

# 2018 Statewide Emergency Shelter Plan

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Rick Scott  
Governor



Wesley Maul  
Director

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## EXECUTIVE SUMMARY

Pursuant to §1013.372(2) and §252.385(2)(b), Florida Statutes, (F.S.) the Division of Emergency Management (Division) is responsible for preparing a *Statewide Emergency Shelter Plan* (the Plan). The Plan is a guide for local emergency planning. It also provides advisory assistance to school districts contemplating construction of educational facilities and the need to provide public shelter space within those facilities. The Plan is submitted to the Governor and Cabinet for approval by January 31 of each even-numbered year. The Plan identifies the general location and square footage of existing general population (GP) and special needs shelter (SpNS) space, by Regional Planning Council (RPC) region, and needed space during the next five (5) years. The Plan also includes information on the availability of shelters that accept pets. In accordance with the statute, the Plan must:

- Identify the general location and square footage of existing shelters by RPC regions;
- Identify the general location and square footage of needed shelters by RPC regions for the next five years;
- Identify the types of facilities which should be constructed to comply with the public shelter design criteria; and
- Recommend an appropriate and available source of funding for the additional cost of constructing emergency shelters within those public facilities.

With publication of the 2006 Plan, the Division began monitoring the status of the statewide inventory of SpNS. Historically, SpNS had been included in total population hurricane evacuation shelter demand estimates and hurricane evacuation shelter capacities. Given the findings from the 2004 hurricane season where about half of the designated SpNS were located in facilities that did not meet the same minimum hurricane safety criteria as GP shelters, the Division was asked to separate the two shelter types and monitor progress towards improving SpNS hurricane safety, client capacity and provision of standby electric power supported air-conditioning.

Table EX-1 provides a regional summary of the projected regional hurricane evacuation shelter space demands for 2018 and 2023, the quantity of recognized hurricane evacuation shelter spaces per region, and if there is a deficit or sufficient capacity of spaces per region. At this time, seven (7) RPC regions have a sufficient capacity of GP hurricane evacuation shelter space in 2018 (West Florida/Region 1, Apalachee/Region 2, North Central Florida/Region 3, Northeast Florida/Region 4, East Central Florida/Region 5, Treasure Coast/Region 9 and South Florida/Region 10). Nine (9) out of ten (10) RPC regions continue to have a deficit of SpNS spaces in 2018.

Table EX-1.											
Regional Summaries of Hurricane Shelter Demands and Deficits / Sufficient Capacities for 2018 though 2023											
General Population and Special Needs Shelters											
RPC Region	RPC Region Name	General Population Shelter Demand and Capacities					Special Needs Shelter Demand and Capacities				
		2018 Category 5 Shelter Demand, persons	2023 Category 5 Shelter Demand, persons	2018 Risk Shelter Capacity, persons	2018 Shelter Deficits / Sufficient Capacity, persons	2023 Shelter Deficits / Sufficient Capacity, persons	2018 Category 5 Shelter Demand, clients	2023 Category 5 Shelter Demand, clients	2018 Risk Shelter Capacity, clients	2018 Shelter Deficits / Sufficient Capacity, persons	2023 Shelter Deficits / Sufficient Capacity, persons
1	West Florida (WF)	33,253	33,719	80,036	46,783	46,317	2,899	2,940	2,785	(114)	(155)
2	Apalachee (APAL)	12,861	13,091	43,061	30,200	29,970	2,541	2,612	811	(1,730)	(1,801)
3	North Central Florida (NCF)	52,316	52,629	67,329	15,013	14,700	3,396	3,419	3,021	(375)	(398)
4	Northeast Florida (NEF)	82,319	82,744	138,671	56,352	55,927	5,742	5,847	4,627	(1,115)	(1,220)
5	East Central Florida (ECF)	155,001	156,053	176,597	21,596	20,544	9,109	9,175	7,167	(1,942)	(2,008)
6	Central Florida (CF)	66,478	67,479	51,898	(14,580)	(15,581)	4,960	5,050	1,424	(3,536)	(3,626)
7	Tampa Bay (TB)	174,867	177,669	159,991	(14,876)	(17,678)	8,597	8,759	8,536	(61)	(223)
8	Southwest Florida (SWF)	148,168	148,987	25,220	(122,948)	(123,767)	8,696	8,748	110	(8,586)	(8,638)
9	Treasure Coast (TC)	48,723	49,538	115,912	67,189	66,374	6,272	6,395	3,251	(3,021)	(3,144)
10	South Florida (SF)	128,744	129,097	144,042	15,298	14,945	4,455	4,466	4,979	524	513
	<b>TOTALS:</b>	<b>902,730</b>	<b>911,006</b>	<b>1,002,757</b>	<b>100,027</b>	<b>91,751</b>	<b>56,667</b>	<b>57,411</b>	<b>36,711</b>	<b>(19,956)</b>	<b>(20,700)</b>

Based upon currently available information, RPC regions 1, 2, 3, 4, 5, 9 and 10 will continue to have sufficient GP space through 2023. The SpNS regional hurricane evacuation shelter space deficit situation is projected to continue through 2023. The projections do not assume addition of new space to regional inventories through 2023. Addition of new shelter facilities and/or local designation of new space could significantly reduce or eliminate the projected deficits.

The types of public facilities that should be constructed to comply with public shelter design criteria include all facilities that are subject to be used as public hurricane evacuation shelters under the authority of §252.385(4)(a), F.S; that is, public schools, community or state colleges, universities, and other facilities owned by state and local governments. When appropriately located, designed and constructed, the following types of facilities are normally considered suitable for use as public hurricane evacuation shelters:

Community and civic centers, meeting halls, gymnasiums, auditoriums, cafeterias and open floor multipurpose facilities, exhibition halls, sports arenas, field houses, conference and training centers, certain classroom buildings, and other public assembly facilities.

The types of facilities that are not appropriate for use as public shelters are due to the following elements:

- Location (facilities within Category A, B or C hurricane evacuation zones, and possibly Category D and E, flooding isolation, presence of certain hazardous materials, low evacuation demand, etc.),
- Size (e.g., less than 2,000 square feet of usable floor area), or
- Other characteristics (e.g., incompatibility of facility's normal use or availability with mass care function, long-range planning considerations, etc.).

During preparation of this Plan, the Division conducted a survey to estimate the compliance rate of school districts adhering to the statutory and code requirements of the public shelter design criteria for new school facilities construction. In 2001, the State Auditor General had a finding that, of the new schools reviewed, only 65 percent appeared to comply with the public shelter design criteria. Between 2001 and 2009 the Division observed a similar compliance rate of 65 percent. The compliance with the law has improved. For last year's survey (Fiscal year 2015-2016) the Department of Education reported a finding of 100 percent compliance in the regions where the requirement applies and new facilities are being built.

District school boards have generally been reporting that the construction cost premium for incorporating the criteria is about three (3) to nine (9) percent. This is not necessarily an insignificant cost that must be borne by state and local agencies. Therefore, §1013.372(2), F.S. requires that the Division recommend an appropriate and available source of funding for the additional cost of constructing emergency shelters. The Division recommends the use of existing capital outlay funds as they are an appropriate and available source of funding.

The Division has statutory duty and authority to administer a statewide program to eliminate the deficit of "safe" hurricane evacuation shelter space. To ensure consistency with state and national standards, guidelines and "best practices," the Division has recognized the

American Red Cross (ARC) *Standards for Hurricane Evacuation Shelter Selection* (ARC 4496) as the minimum hurricane evacuation shelter survey criteria. Therefore, at a minimum, meeting ARC 4496 criteria is a required condition for a public facility to be described as “safe,” “suitable” or “appropriate” during preparation of this Plan.

To accomplish this duty, the Division has implemented a multifaceted program. This program includes: 1) survey of existing buildings, both public and private, to identify suitable shelter capacity; 2) where cost effective (and practical), support mitigation and retrofitting of existing facilities to increase shelter capacity; 3) construction of new facilities to meet the public shelter design criteria; 4) shelter demand reduction through improved hurricane hazard models and behavioral studies; and 5) improve public information/education to reduce unnecessary “shadow” evacuations.

While regional deficits do remain, Florida’s deficit of general population hurricane evacuation shelter space on a statewide aggregate basis has now been eliminated. However, a deficit of special needs hurricane evacuation shelter space persists. The Division’s hurricane evacuation shelter survey and retrofit program identified, created or otherwise documented 539,793 hurricane evacuation shelter spaces that meet ARC 4496 guidelines. Public school new construction programs have created an additional 465,675 hurricane evacuation shelter spaces. Therefore, by the 2018 hurricane season, Florida will have a total of 1,039,468 shelter spaces that meet ARC 4496 guidelines. The perceived public shelter demand resulting from hurricane evacuation has been significantly reduced over the past 15 years due to improvements in public education and information, and more accurate storm surge/evacuation zone modeling with the use of the LiDAR (Light Detection and Ranging). The 2010 Statewide Regional Evacuation Studies (SRES) resulted in a statewide aggregate hurricane evacuation shelter space demand reduction. Florida’s hurricane evacuation shelter space demand for 2018 is 959,397.

With publication of this Plan, Florida now has 43 counties with sufficient capacity of GP hurricane evacuation shelter space. The counties with sufficient GP space include: Alachua, Baker, Bay, Bradford, Brevard, Broward, Calhoun, Columbia, Dixie, Duval, Escambia, Flagler, Gadsden, Gilchrist, Glades, Hamilton, Hardee, Hendry, Hillsborough, Holmes, Indian River, Jackson, Jefferson, Lafayette, Lake, Leon, Levy, Liberty, Madison, Martin, Nassau, Okaloosa, Orange, Osceola, Palm Beach, Saint Johns, Saint Lucie, Santa Rosa, Seminole, Taylor, Union, Walton, and Washington.

There are fewer counties, 30, with a sufficient capacity of SpNS hurricane evacuation shelter space. The counties with a sufficient capacity of SpNS space include: Baker, Brevard, Broward, Citrus, Clay, Columbia, DeSoto, Escambia, Flagler, Gilchrist, Glades, Hamilton, Hardee, Hernando, Hillsborough, Indian River, Lafayette, Leon, Levy, Manatee, Martin, Miami-Dade, Osceola, Pasco, Putnam, Saint Johns, Santa Rosa, Union, Volusia and Washington.

As Florida’s hurricane vulnerable population continues to grow, it is vitally important that construction of hurricane evacuation shelters and retrofitting of existing buildings be considered a priority. If Florida is to meet its goal of eliminating the hurricane evacuation shelter space deficit in every region of the state, the incorporation of public shelter design criteria into new construction, retrofitting of suitable existing buildings, and continued use of improved hurricane evacuation studies and new technologies must continue to be accomplished. The overall result of full implementation of the Division’s hurricane evacuation shelter deficit



reduction strategy is a greater level of emergency preparedness, a more efficient capability for responding to incidents and a greater ability to meet the needs of disaster survivors.

## 1.0 INTRODUCTION

### 1.1 Purpose of Statewide Emergency Shelter Plan

Pursuant to §1013.372(2), and §252.385(2)(b), Florida Statutes (F.S.), the *Statewide Emergency Shelter Plan* (Plan) is prepared and submitted to the Governor and Cabinet for approval. The Plan provides information on existing and needed hurricane evacuation shelter space requirements. This information is then used by district school boards, college boards of trustees, university boards of trustees and emergency management agencies in planning for the construction of new educational facilities to comply with the public shelter design criteria. "Board," unless otherwise specified, means a district school board, a college board of trustees, and a university board of trustees.

This Plan, once approved, will determine which regions and counties are required to construct new educational facilities to comply with the public shelter design criteria. The Plan includes: the general location and square footage of existing general population and special needs shelters (SpNS) by region and county; the general location and square footage of needed general population and SpNS by region and county for the next five years; the types of facilities that should comply with the public shelter design criteria; and recommends an appropriate and available source of funding for the additional cost of constructing public hurricane evacuation shelters in those public facilities.

Since promulgation of the public shelter design criteria in 1997, the Division has routinely received requests for guidance on certain aspects of the criteria. Therefore, this Plan also includes advisory guidance by the Division on subjects relating to implementation of the criteria; such as, minimum mass care/human needs requirements not specified in the code, explanation of exemption criteria, etc. The guidance is not intended to be a comprehensive commentary of the criteria, but is limited to subjects pertinent to the most frequently asked questions. This Plan also includes a brief progress summary of statewide hurricane evacuation shelter space deficit elimination.

### 1.2 Background and Chronology

On August 24, 1992, Hurricane Andrew made landfall in South Florida as a Category 5 hurricane. Winds in excess of 155 miles per hour spread inland, causing catastrophic damage in Miami-Dade County and other South Florida areas. It has been estimated that 750,000 persons were ordered to evacuate coastal areas, inland flood prone areas and manufactured homes. In some cases, spontaneous (or "shadow") evacuation of persons outside of areas ordered to evacuate also occurred. Though many evacuees sought shelter in motels or the homes of family and friends, many also sought safety in public shelter facilities in the affected area, and in communities along evacuation routes throughout the state. This unprecedented relocation of Florida's residents and visitors in the face of an impending natural disaster stretched the resources of State, local, and private agencies to provide public shelter.

Post-disaster evaluations of evacuation and sheltering operations by the *Governor's Disaster Planning and Response Review Committee*, also known as the “Lewis Commission,” identified the lack of adequate and appropriate public shelter space as a critical planning issue. The Lewis Commission Report served as the driving force behind the adoption of Chapter 93-211, Laws of Florida, and subsequent revisions to Chapters 235, 240 and 252, Florida Statutes. The educational facilities sections of Chapters 235 and 240 have been superseded by Chapter 1013. Based on those revisions, the Legislature stated its intent that Florida eliminate its deficit of safe public hurricane evacuation shelter space in every region of the State.

The statute directed the Department of Education to develop standards for a public shelter design criteria in consultation with boards, county emergency management offices, and the Division of Emergency Management. The new criteria were to be designed to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. After promulgation of the criteria, all new educational facilities, or appropriate areas within facilities, for which a design contract was entered into after the effective date of inclusion in State Requirements for Educational Facilities (SREF), must be built in compliance with the criteria. The facility may be exempted with concurrence of the applicable local emergency management agency or the Division.

The Department of Education entered into a contract with the University of Florida, School of Building Construction, to prepare the public shelter design criteria. The university assembled an advisory committee consisting of members from Federal, State and local emergency management agencies, architects, engineers, academia, district school boards and the American Red Cross (ARC). The task before the advisory committee was to develop criteria that balanced the need to provide a relatively safe and self-sufficient facility, with the need for cost-effective designs and construction methods.

The advisory committee incorporated not only its collective knowledge, experience and existing national codes and standards, but also consulted with Texas Tech and Clemson Universities for severe storm research findings, and with relevant publications, such as the American Red Cross' *Mass Care—Preparedness and Operations* (ARC 3031, superseded by ARC 3041), *Guidelines for Hurricane Evacuation Shelter Selection* (ARC 4496), and the Department of Energy's (DOE) *Standard Natural Phenomena Hazards Design and Evaluation Criteria* (DOE-STD-1020).

The product of this process is a set of comprehensive design criteria that includes structural enhancements, potable water and sanitary requirements, provisions for standby emergency power, and other considerations that improve survivability and shelter management operations. The promulgation process began in 1994, and was adopted into SREF on April 28, 1997. Subsequently, along with other sections of SREF, the criteria were incorporated into Chapter 423 of the Florida Building Code, which became effective March 1, 2002, and then Chapter 453 of the 5<sup>th</sup> Edition (2014) on June 30, 2015. This provided a seamless continuation of the criteria for new school construction projects. The public shelter design criteria code provisions in effect at the time of publication of this Plan can be seen in Appendix B.

The public shelter program lessons learned from Hurricane Andrew were further reiterated during the 2004 and 2005 hurricane seasons. During these two seasons alone, approximately 15 million people in Florida were under evacuation orders due to eight (8) hurricanes and two (2) tropical storms. During 2004 and 2005, nearly every county in Florida was under hurricane or inland high wind warnings at some time, prompting mandatory evacuation orders for their coastal storm surge, inland flood vulnerable and manufactured home residents. More than 1,200 shelters were opened, which safely protected about 300,000 evacuees. In preparation for Hurricane Irma in 2017, evacuations were ordered in nearly all of Florida's 67 counties. The orders affected more than 6 million vulnerable citizens. About 200,000 sheltered across the state.

In a large-scale emergency, the availability of shelter space is a statewide challenge. Even if some individual counties have a sufficient capacity of shelter space, deficits in other counties have statewide implications that will have to be addressed. Evacuees that cannot find shelter space within their own county or region will leave those areas in search of viable shelter alternatives elsewhere. Thus, implementation of the public shelter design criteria in new educational facilities is a critical component of Florida's hurricane evacuation shelter space deficit elimination program.

### **1.3 Statutory Considerations**

There are several statutory authorities that are applicable for implementation of the public shelter design criteria. The following statutes have been selected to provide context for decisions relating to planning and exemption of educational facilities.

**252.38 Emergency management powers of political subdivisions.**--Safeguarding the life and property of its citizens is an innate responsibility of the governing body of each political subdivision of the state.

(1) COUNTIES.--

(d) During a declared state or local emergency and upon the request of the director of a local emergency management agency, the district school board or school boards in the affected area shall participate in emergency management by providing facilities and necessary personnel to staff such facilities. Each school board providing transportation assistance in an emergency evacuation shall coordinate the use of its vehicles and personnel with the local emergency management agency.

§252.38, F.S. provides that "Safeguarding the life and property of its citizens is an innate responsibility of the governing body of each political subdivision of the state." This places the duty for evacuating and sheltering at-risk citizens during an emergency or disaster upon county governing boards (i.e., Board of County Commissioners). To expand and expedite locally available resources to meet an emergency need, the Legislature directed that during a declared state or local emergency, district boards will upon request participate in emergency management by providing facilities, personnel, equipment and vehicles.

District public schools are the primary source of public shelter during tropical weather related emergencies, currently accounting for about 97 percent of statewide hurricane evacuation shelter space. Therefore, it can be presumed that public schools will be used as hurricane evacuation shelters, and often staffed by district personnel. It can also be presumed that public schools will be opened as shelters regardless of the storm's forecasted intensity and track. Therefore, it is critical that new school facilities be appropriately designed and located to serve the required emergency function.

**252.385 Public shelter space.--**

(1) It is the intent of the Legislature that this state not have a deficit of safe public hurricane evacuation shelter space in any region of the state by 1998 and thereafter.

(2)(a) The division shall administer a program to survey existing schools, universities, community colleges, and other state-owned, municipally owned, and county-owned public buildings and any private facility that the owner, in writing, agrees to provide for use as a public hurricane evacuation shelter to identify those that are appropriately designed and located to serve as such shelters. The owners of the facilities must be given the opportunity to participate in the surveys. The state university boards of trustees, district school boards, community college boards of trustees, and the Department of Education are responsible for coordinating and implementing the survey of public schools, universities, and community colleges with the division or the local emergency management agency.

(b) By January 31 of each even-numbered year, the division shall prepare and submit a statewide emergency shelter plan to the Governor and Cabinet for approval, subject to the requirements for approval in s. 1013.37(2). The plan shall identify the general location and square footage of special needs shelters, by regional planning council region, during the next 5 years. The plan shall also include information on the availability of shelters that accept pets. The Department of Health shall assist the division in determining the estimated need for special needs shelter space and the adequacy of facilities to meet the needs of persons with special needs based on information from the registries of persons with special needs and other information.

(4)(a) Public facilities, including schools, postsecondary education facilities, and other facilities owned or leased by the state or local governments, but excluding hospitals, hospice care facilities, assisted living facilities, and nursing homes, which are suitable for use as public hurricane evacuation shelters shall be made available at the request of the local emergency management agencies. The local emergency management agency shall coordinate with these entities to ensure that designated facilities are ready to activate prior to a specific hurricane or disaster. Such agencies shall coordinate with the appropriate school board, university, community college, state agency, or local governing board when requesting the use of such facilities as public hurricane evacuation shelters.



§252.385, F.S. states the intent of the Legislature to eliminate the deficit of “safe” public hurricane evacuation shelter space. The Division was given both the duty and authority to administer a statewide program to survey public facilities and identify those that are appropriately designed and located to serve as public shelters. To ensure consistency with state and national standards, codes, guidelines and “best practices,” the Division has recognized ARC 4496 as the minimum hurricane evacuation shelter safety criteria. Therefore, at a minimum, meeting the intent of ARC 4496 is a required condition for a public facility to be described as “safe,” “suitable” or “appropriate” for recognition as a public hurricane evacuation shelter in this Plan. The public hurricane evacuation shelter capacities listed as “suitable” in this Plan are recognized by the Division as meeting ARC 4496 hurricane safety criteria.

Appendix A identifies the statewide inventory of facilities recognized as meeting the intent of ARC 4496 in their pre-survey existing condition (i.e., “as-is”), facilities that have been retrofitted to meet ARC 4496, and facilities that have been constructed to meet ARC 4496. New school facilities that are reported by district school boards and local emergency management agencies as having been constructed to the public shelter design criteria are generally recognized by the Division to meet ARC 4496, though storm surge flooding hazards may limit recognition in some cases to exiting storm tracks only.

The Division does not certify, approve or designate hurricane evacuation shelters. Through its survey program, the Division provides data and assistance to local emergency managers, who then use the ARC 4496 criteria as one factor in the selection of public shelters. In addition to the ARC 4496 ranking, local emergency managers consider other factors in the selection process, such as, type of event requiring shelter (known or perceived hazards and risks); location; available staffing, equipment and material resources; internal/external movement circulation; availability of adequate toilets and sanitation; feeding capabilities; standby or emergency electric power capability; types of spaces available and their configuration and contents; type and condition of roof covering; etc. When anticipated demand exceeds available ARC 4496 shelter space capacity, local emergency managers may select other facilities that afford the best available protection and features.

With the amendment of §252.385(2)(b), F.S. in 2006, the Plan is required to include information on the availability of pet-friendly public shelters as well as capacity of SpNS. The Department of Health is required to assist in determining need and adequacy of facilities for SpNS.

§252.385(4)(a), F.S. makes available all suitable public facilities owned or leased by state or local government agencies upon request of the applicable local emergency management agency. This broadens the types of facilities that can be used by emergency management officials in a declared emergency, and is consistent with the Division’s authority to survey all appropriate public facilities for use as public hurricane evacuation shelters.

**1013.372 Education facilities as emergency shelters.—**

(1) The Department of Education shall, in consultation with boards and county and state emergency management offices, include within the standards to be developed under this subsection public shelter design criteria to be incorporated into the Florida Building Code. The new criteria must be designed to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. A facility, or an appropriate area within a facility, for which a design contract is entered into after the effective date of the inclusion of the public shelter criteria in the code must be built in compliance with the amended code unless the facility or a part of it is exempted from using the new shelter criteria due to its location, size, or other characteristics by the applicable board with the concurrence of the applicable local emergency management agency or the Division of Emergency Management. Any educational facility located or proposed to be located in an identified category 1, 2, or 3 evacuation zone is not subject to the requirements of this subsection. If the regional planning council region in which the county is located does not have a hurricane evacuation shelter deficit, as determined by the Division of Emergency Management, educational facilities within the planning council region are not required to incorporate the public shelter criteria.

As directed by law, the Department of Education was required to develop criteria, in consultation with district boards and state and local emergency management offices, to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. The criteria are required to be incorporated into the Florida Building Code (i.e., s. 453.25, *Florida Building Code--Building*), and all new facilities for which a design contract is entered into after incorporation of the criteria into the code must be built in compliance with the criteria. The public shelter design criteria are applicable to both district school board and community or state college facilities, and became effective on April 28, 1997. These criteria were also codified into the *Florida Building Code--Building* on March 1, 2002.

§1013.372(1), F.S. allows a board to exempt a facility from the criteria if the location, size or other characteristics is inappropriate for use as a public shelter. A facility that is located, or proposed to be located, in a Regional Planning Council region that is determined by the Division to have a sufficient capacity of hurricane evacuation shelter space may also be exempted. It is unlawful and a violation of the Florida Building Code for a board to exempt a new educational facility from the criteria without the written concurrence of the applicable local emergency management agency or the Division.

§1013.74(4), F.S., provide state university boards of trustees statutory duties similar as those of district public schools and community or state colleges. State universities, in consultation with state and local emergency management agencies, are directed to assess existing facilities to identify the extent to which each campus has public hurricane evacuation shelter space.

Each campus is then responsible for developing a five-year capital improvements program that identifies potential new and retrofitted facilities that can be used as public hurricane evacuation shelters. All campus buildings for which a design contract is entered into after July 1, 2001 are required to be constructed to the standard.

**1013.74 University authorization for fixed capital outlay projects.—**

(4) The university board of trustees shall, in consultation with local and state emergency management agencies, assess existing facilities to identify the extent to which each campus has public hurricane evacuation shelter space. The board shall submit to the Governor and the Legislature by August 1 of each year a 5-year capital improvements program that identifies new or retrofitted facilities that will incorporate enhanced hurricane resistance standards and that can be used as public hurricane evacuation shelters. Enhanced hurricane resistance standards include fixed passive protection for window and door applications to provide mitigation protection, security protection with egress, and energy efficiencies that meet standards required in the 130-mile-per-hour wind zone areas. The board must also submit proposed facility retrofit projects to the Division of Emergency Management for assessment and inclusion in the annual report prepared in accordance with s. 252.385(3). Until a regional planning council region in which a campus is located has sufficient public hurricane evacuation shelter space, any campus building for which a design contract is entered into subsequent to July 1, 2001, and which has been identified by the board, with the concurrence of the local emergency management agency or the Division of Emergency Management, to be appropriate for use as a public hurricane evacuation shelter, must be constructed in accordance with public shelter standards.

The statute indicates that a university board of trustees may exempt a facility from the criteria with the concurrence of the applicable local emergency management agency or the Division. A facility that is proposed to be located in a Regional Planning Council region that is determined by the Division to have a sufficient capacity of hurricane evacuation shelter space may also be exempted. As with district school boards and Community Colleges, it is unlawful for a university board of trustees to exempt a new campus facility from the criteria without the written concurrence of the applicable local emergency management agency or the Division.

**381.0303 Special Needs Shelters. --**

(2)(d) Local emergency management agencies shall be responsible for the designation and operation of special needs shelters during times of emergency or disaster and the closure of the facilities following an emergency or disaster. The local health department and emergency management agency shall coordinate these efforts to ensure the appropriate designation and operation of special needs shelters. County health departments shall assist the local emergency management agency with regard to the management of medical services in special needs shelters.

§381.0303(2)(d), F.S. requires local emergency management agencies to designate public SpNS. The Department of Health (through County Health Departments) is assigned the duty to assist with managing the medical service needs of the clients.

The Division strongly recommends that as with general population public hurricane evacuation shelters, SpNS hurricane evacuation shelters designated by local emergency management agencies should at a minimum meet the ARC 4496 hurricane safety criteria, and preferably designed and constructed to higher performance codes and standards; such as the Public Shelter Design Criteria or the International Code Council's storm shelter standard (ICC 500).

## 2.0 EDUCATIONAL FACILITIES AS EMERGENCY SHELTERS

The Public Shelter Design Criteria, which are also known as Enhanced Hurricane Protection Area (EHPA), were designed to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. The EHPA code provisions can be found in §453.25, *2017 Florida Building Code—Building, 6<sup>th</sup> Edition*. Public educational facilities primarily serve an educational purpose. During a declared state of emergency these facilities may function as public shelters. The public shelter function is a lawfully authorized function. During a declared state or local emergency public shelter functions can supersede normal educational functions. Therefore, consideration of the emergency management purpose is a critical component in the design of new educational facilities. The following sections will provide consultative (or advisory) guidance for implementing the criteria.

### 2.1 Public Shelter Design Criteria

The EHPA ensure that new educational facilities meet or exceed applicable national design and construction standards, guidelines and “best practices.” The EHPA have been designed to significantly enhance occupant safety and building integrity. One of the main objectives of the EHPA is to ensure that these facilities continue to serve the public after exposure to a major hurricane.

It is highly recommended that during the design process that facility owners, planners and designers incorporate the American Red Cross’ ARC 4496 in the planning process for an EHPA. See Appendix C. ARC 4496 is the minimum hurricane evacuation shelter safety guideline used by the Division, American Red Cross and local emergency management officials for surveying and ranking public hurricane evacuation shelters.

ARC 4496 requires that public hurricane evacuation shelters be designed, constructed and capable of withstanding wind loads according to the American Society of Civil Engineers Standard 7, *Minimum Design Loads for Buildings and Other Structures* (ASCE 7). The Division endorses this recommendation.

Please review Appendix G for additional advisory guidance on design criteria, including wind and debris impact resistance, foundation and floor slab elevation, location and site requirements, shelter occupant capacity, plumbing and sanitation, electrical standby and emergency power systems, and emergency management considerations. There are other useful resources to be considered in the EHPA design process, such as the Federal Emergency Management Agency’s (FEMA) publication *Design and Construction Guidance for Community Safe Rooms* (FEMA 361).

SpNS should meet the same hurricane safety criteria as general population shelters (ARC 4496 and other state and national public shelter criteria). Following the 2004 hurricane season, the Division and Department of Health, in consultation with the Executive Office of the Governor, issued a memorandum stating an expectation that SpNS be located in facilities that at a minimum meet the ARC 4496 hurricane safety criteria, that SpNS client occupied areas have

standby power supported air-conditioning, and that client shelter spaces be based on 60 square feet per client (20 square feet is used for general population shelter spaces). The 60 square feet of space includes an allowance for care-givers and medical equipment.

## 2.2 **Exemption Criteria**

All new educational facilities must be designed and constructed to comply with the EHPA criteria unless specifically exempted by the board with written concurrence of the applicable local emergency management agency or the Division. See §1013.372, F.S.

**It is unlawful and a violation of the Florida Building Code for a board to exempt a new educational facility from the criteria without the written concurrence of the applicable local emergency management agency or the Division.**

The fact that the EHPA criteria may increase the cost of construction of a facility, by itself, is not a factor that will be considered for an exemption by the Division. Cost of construction may only be considered as one of a number of factors when selecting which new facilities are to be designed and constructed to meet the EHPA criteria. Selection may be based upon cost-effectiveness, greatest provision of shelter space, and other factors that enhance shelter usefulness.

The EHPA requirement applies to any building construction project that is “new construction,” as defined in §1013.01(14), F.S. and s. 453.5.8, *Florida Building Code—Building*. That is, any construction of a building or unit of a building in which the entire work is new, or an entirely new addition connected to an existing building. This includes replacement buildings and new buildings and additions constructed on existing campuses. The EHPA requirement also applies to reuse and prototype plans, since they are required to be code updated with each new project.

The EHPA requirement is not limited to rooms or spaces defined as “core facilities” in §1013.01(5), F.S. The statutory definition is intended for educational facilities purposes, and defines “core facilities” to be media centers, cafeterias, toilet facilities and circulation space (e.g., corridors, lobbies, etc.) §1013.372(1), F.S. states that “A facility, or an appropriate area within a facility...must be built in compliance with the (EHPA criteria) unless the facility or a part of it is exempted...” The statute does not limit EHPA’s to “core facilities,” but permits use of an entire facility, or appropriate areas within a facility.

Both the Florida Statutes and the Florida Building Code provide factors to consider in exempting an educational facility from complying with the criteria. ARC 4496 may also provide supplemental guidance to consider in the exemption process. The following subsections provide advisory guidance when considering an exemption request.



### 2.2.1 Location

In general, there are five factors to be considered when making an exemption request due to location: 1) location of the proposed EHPA site within an identified Category 1, 2 or 3 (or A, B or C) evacuation zone; 2) location subject to hurricane-related rainfall or storm surge flooding or isolation; 3) location on a coastal barrier island; 4) location within the evacuation zone of facilities that manufacture, use or store certain types and quantities of hazardous materials; and 5) low evacuation demand.

**Category 1, 2 or 3 Evacuation Zone:** New educational facilities located or proposed to be located in an identified A, B or C hurricane evacuation zone are exempt from the EHPA criteria. “Evacuation Zones” are areas designated to be evacuated for particular hurricane scenarios to protect an at-risk population from flooding. Evacuation zones are developed taking into consideration all populated areas having a significant risk of flooding, areas not subject to flooding but may be cut-off or completely surrounded or isolated by flooded areas, and the need to be easily communicated to the public.

Evacuation zones are applicable to coastal counties, and possibly counties adjacent to Lake Okeechobee. Evacuation zones include areas that are subject to storm surge inundation, as predicted by the National Weather Service’s Sea, Lake and Overland Surges from Hurricanes (SLOSH) model. Hurricane evacuation zones A, B and C are subject to evacuation during land-falling major hurricanes, as well as paralleling and exiting major hurricanes.

Category 4 and 5 hurricanes are relatively uncommon events, and based upon the storm track heading with respect to coastline (i.e., land-falling, paralleling or exiting), hurricane evacuation zones D and E may not be inundated by storm surge. Therefore, new educational facilities proposed to be located in D and E evacuation zones are not statutorily exempt from the EHPA criteria.

Also, to facilitate communication of evacuation orders to the public during an emergency, hurricane evacuation zones are typically established using geographic, jurisdictional or transportation/utility boundaries and landmarks that are known and readily identified by the local population. Therefore, hurricane evacuation zone boundaries may extend further inland than the SLOSH model predicted inundation areas. New educational facilities proposed to be located in a evacuation zones D and E may in fact be outside of the SLOSH predicted inundation areas. EHPA’s located in D and E hurricane evacuation zones may provide emergency managers with additional sheltering options.

The 2010 Statewide Regional Evacuation Studies (SRES) introduce alphabetic Evacuation Zones (A-E) across the State. For planning purposes, the reference to areas to be evacuated from a Category 1 hurricane is Evacuation Zone A, reference to areas to be evacuated in advance of a Category 2 hurricane is Evacuation Zone B, and reference to areas to be evacuated from a Category 3 hurricane is Evacuation Zone C. Similarly, references to evacuation areas from Category 4 or 5 hurricanes are Evacuation Zones D or E respectively.

Category 4/5-related exemption decisions will be dependent upon the magnitude of the county and regional hurricane evacuation shelter space deficit, local logistical support capabilities and the availability of suitable alternatives (either in-place, or within the framework of a five-year plan.)

**Rainfall or storm surge flooding or isolation:** New educational facilities proposed to be located in areas subject to flooding or isolation due to rainfall or storm surge related flooding may be inappropriate for use as public hurricane evacuation shelters. Rainfall flooding includes closed-basin ponding, riverine and containment failure of dams and reservoirs. Extended-periods of isolation of a shelter population presents logistical challenges for emergency managers and mass care support agencies, which normally prefer equally suitable buildings not subject to flooding or isolation. The challenges include staff rotation, resupply of food, water and other consumables, emergency medical assistance, sanitation, security concerns, communication, etc. Flooding and isolation-related exemption decisions will be dependent upon the magnitude of the county and regional hurricane evacuation shelter space deficit, design and construction standards of the facility, shelter floor elevation, local logistical support capabilities and the availability of appropriate alternatives (either in-place, or within the framework of a five-year plan.)

**Coastal Barrier Island:** Coastal barrier islands are often less than two (2) miles wide with very low ground elevations above mean sea level (AMSL). As such, they are exceptionally at-risk to storm surge inundation, isolation, and exposure to the full force of hurricane winds. ARC 4496 also states that hurricane evacuation shelters must not to be located on barrier islands. Therefore, facilities on coastal barrier islands are often subject to an exemption from the EHPA criteria. Coastal barrier island exemption decisions will be dependent upon the magnitude of the county and regional hurricane evacuation shelter space deficit, shelter floor elevation, local logistical support capabilities and the availability of appropriate alternatives (either in-place, or within the framework of a five-year plan.) The Division uses §161.54(2), F.S., to provide a definition for coastal barrier islands.

**Hazardous Materials:** Location of a proposed new educational facility within the Vulnerability Zone (VZ) of facilities that manufacture, use or store certain types and quantities of hazardous materials may make it unsuitable for use as public hurricane evacuation shelter. Just as with flooding isolation concerns, the possible impact of a hazardous materials spill or release presents public safety and logistical challenges to emergency managers and mass care support agencies. In addition to the challenges listed for flooding isolation, hazardous materials emergencies include detecting and warning of presence of a hazard, and implementing shelter-in-place or evacuation actions. However, most facilities with reportable quantities of hazardous materials are considered a low risk of hurricane-related spill or release due to presence of mitigation measures (e.g., limited quantities of materials, hardening of containment structures, etc.)

Hazardous materials-related exemption decisions will be dependent upon the potential for and probable impact of a hurricane-related spill or release, potential hurricane evacuation shelter's distance from hazardous materials facility, guidance from Local Emergency Planning Committee (LEPC) and local fire department, magnitude of the county and regional hurricane evacuation shelter space deficit, detection and warning capabilities, local logistical support capabilities and the availability of appropriate alternatives (either in-place, or within the framework of a five-year plan.)

It should be noted that many educational facilities use or store hazardous materials that are used for janitorial services and maintenance, vocational or laboratory uses, refrigeration, water treatment, etc. Such materials are normally very limited in quantity, and suitably stored or protected, and therefore rarely a significant consideration for an exemption. The Division recommends consultation with the applicable LEPC and local fire department to determine appropriate precautionary measures.

**Low Evacuation Demand:** New educational facilities proposed to be located in areas with low evacuation demand may be considered for an EHPA exemption. Emergency managers and other mass care providers prefer to locate hurricane evacuation shelters in close proximity to the evacuees they will serve. Therefore, the emergency management agency may reduce the EHPA floor area square footage requirement to meet local evacuation demand needs, or possibly exempt the entire facility if a suitable alternative is available. Low evacuation demand exemption decisions will be dependent upon the magnitude of the county and regional hurricane evacuation shelter space deficit, local shelter demand needs and the availability of appropriate alternatives (either in-place, or within the framework of a five-year plan.)

### 2.2.2 Size

The required size of a hurricane evacuation shelter is very dependent upon local circumstances. To effectively utilize available resources and operational plans (e.g., staffing, feeding, security, etc.), a hurricane evacuation shelter located in an area with low evacuation demand can be significantly smaller than a facility located near a highly populated hurricane evacuation zone. Public hurricane evacuation shelters can range from as small as about 50 spaces to mega-shelters as large as several thousand spaces.

§252.385(4)(b), F.S. can serve as a guide when establishing a minimum size criterion for public hurricane evacuation shelters. This statute applies to suitable Department of Management Services owned or leased facilities, and requires that the facility have a minimum of 2,000 square feet of net floor area. The required minimum net floor area can be in a single room, or a combination of rooms each having a minimum of 400 square feet of net floor area. At 20 square feet per shelter space, this translates into a minimum capacity of about 100 spaces.

Therefore, to be consistent with §252.385(4)(b), F.S., the Division generally considers new educational facilities with less than 2,000 square feet of net floor area to be small enough for an exemption.

### 2.2.3 Other Considerations

“Other Considerations” is interpreted to mean any factor that is determined to make the facility inappropriate for use as a public hurricane evacuation shelter. This will generally be related to incompatibility of a facility’s normal function or availability with public shelter operations.

As examples, the following types of spaces are normally excluded during calculation of net usable occupant capacity of a hurricane evacuation shelter, and are therefore often avoided by emergency managers when selecting shelters:

Mechanical, plumbing, electrical, telephone and communication equipment rooms, storage rooms and closets, exterior/outside circulation and corridors, restrooms and shower areas, kitchen and food preparation rooms, science labs, computer and information technology labs, vocational and industrial technology labs and shops, library and media rooms, exercise rooms with fixed equipment, administrative office and support areas, data and word processing rooms and areas, record vaults, mail rooms, custodial rooms and work areas, medical clinic and first aid rooms, residential and dormitory rooms, radio or television broadcast facilities, attics and crawl spaces, etc.

New educational facilities that are designed exclusively to serve these functions may be exempted from complying with the EHPA criteria.

Other considerations may also include local strategies and long-range plans. As an example, to reduce costs and maximize hurricane evacuation shelter usefulness, a board and local emergency management agency may agree (in writing) that 100 percent of the floor area of new high schools will be constructed to the EHPA criteria, instead of the minimum of 50 percent, in exchange for reducing or eliminating EHPA requirements for middle and elementary schools. The proposed plan eliminates the county hurricane evacuation shelter space deficit, plus creates additional space toward reducing the regional deficit, within about five years. Thus the long-range plan achieves statutory intent, and exemptions for applicable middle and elementary schools are appropriate.

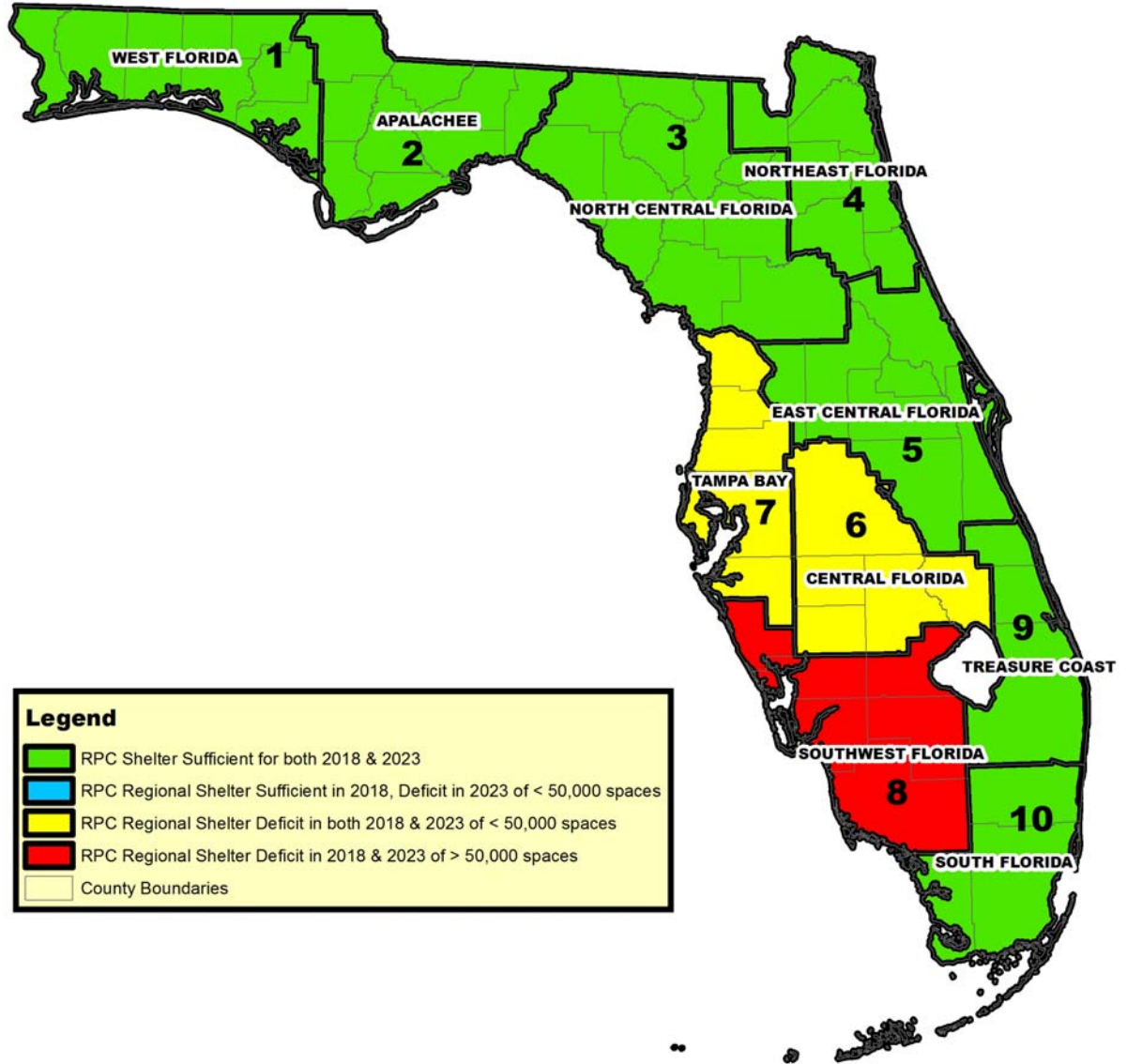
#### **2.2.4 Alterations, Maintenance or Repair of Existing Buildings**

Florida Statutes and the Florida Building Code both state that the EHPA criteria apply to “new educational facilities.” Therefore, renovations, remodeling, maintenance and repair of existing buildings, as defined in §1013.01, F.S. and s. 453.5, *Florida Building Code--Building*, are exempt from compliance with the EHPA criteria.

#### **2.2.5 No Regional Deficit of “Safe” Hurricane Evacuation Shelter Space**

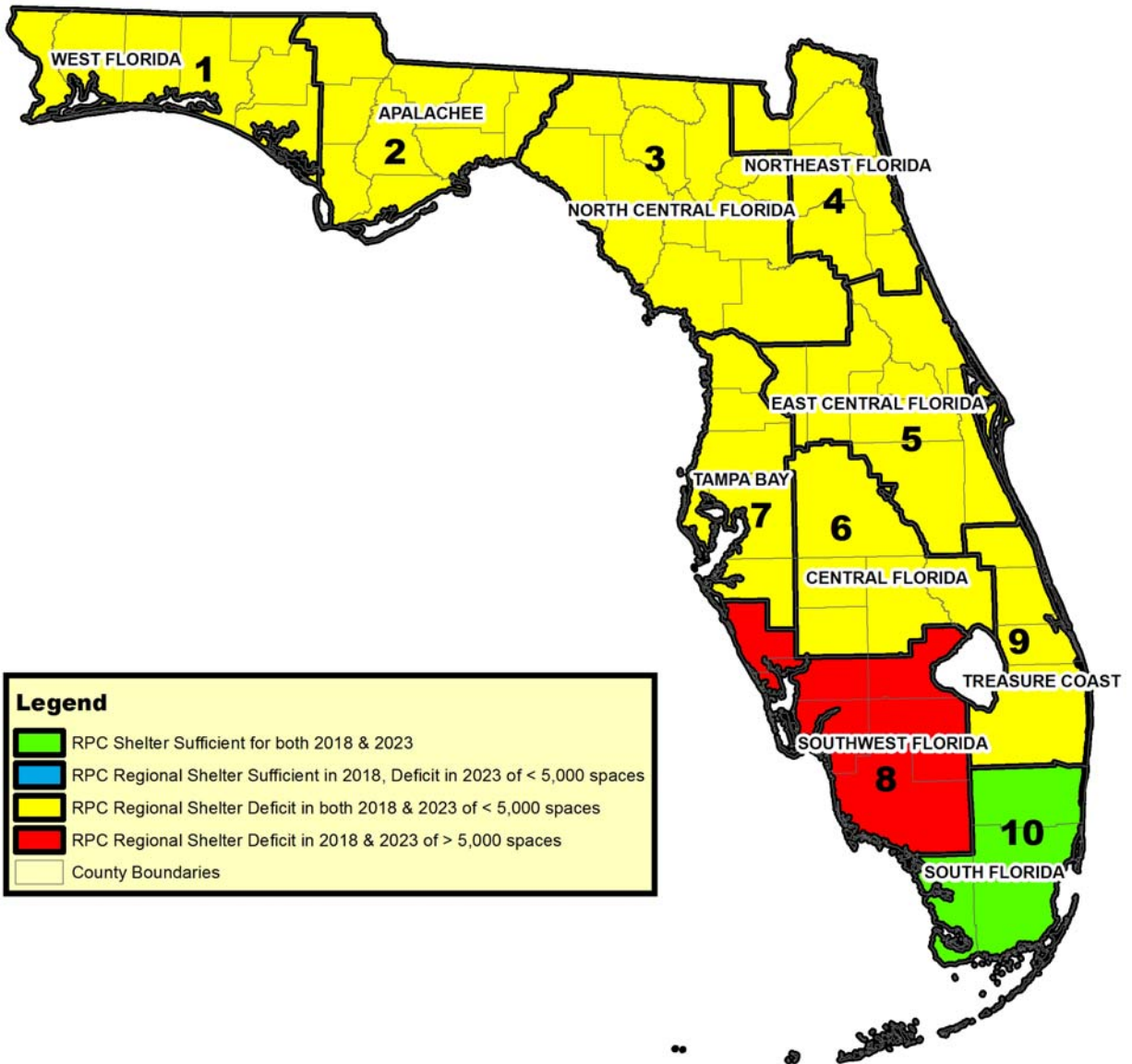
§1013.372, F.S. states that new educational facilities proposed to be located in a Regional Planning Council (RPC) region that does not have a hurricane evacuation shelter space deficit are not required to incorporate the EHPA criteria. The hurricane evacuation shelter space deficit determination is established by biennial publication and approval of this Plan, which guides exemption decisions over a five year planning period. As can be seen in Figure 2-1, seven (7) RPC regions have sufficient capacity of GP hurricane evacuation shelter space in 2018, which includes RPC regions 1, 2, 3, 4, 5, 9 and 10. Based upon currently available information, a sufficient capacity of spaces will continue in RPC regions 1, 2, 3, 4, 5, 9 and 10 through 2023. However, as can be seen in Figure 2-2 there is a sufficient capacity of SpNS spaces in only one (1) region, region 10. The SpNS space deficits are projected to continue into 2023 if no new space is added to the inventory.

**Figure 2-1. Regional Hurricane Evacuation Shelter Space Deficit / Sufficient Status of General Population Shelters**





**Figure 2-2. Regional Hurricane Evacuation Shelter Space Deficit / Sufficient Status of Special Needs Shelters**



### **2.3 Exemption Process**

In accordance with §1013.372, F.S. and S. 453.25, *Florida Building Code--Building*, the following procedure is recommended by the Division when requesting exemptions from the public shelter design criteria/EHPA requirement:

1. The board must notify the local emergency management agency of all educational facility construction projects that meet the definition of new construction.
2. The board must evaluate each new educational facility construction project to determine if a statutory or code specified exemption to the criteria is applicable.
3. If an exemption is not requested, the board should consult with the local emergency management agency to identify those areas of the new facilities that will maximize public shelter capacity, and meet the needs of both the educational and emergency management purpose.
4. If the board requests an exemption, the request must be prepared and submitted in writing to either the local emergency management agency or the Division. The request must identify the specific statutory or code factor(s) to be considered for the exemption, and provide appropriate supporting documentation.
5. If the local emergency management agency or the Division concurs with the exemption request, a written response stating the concurrence will exempt the new educational facility from the criteria.
6. If the local emergency management agency or the Division does not concur in writing with the exemption request, then the board must comply with the criteria.

### **2.4 Estimate of School District Compliance with EHPA Requirements (2015-2016)**

In 2001, staff from the Auditor General's Office performed a hurricane shelter and grant management operational audit of the Department of Community Affairs. See Auditor General Report No. 02-055, dated October, 2001. In Finding No. 2 of the report, the Auditor General found that a significant number of new educational facilities, constructed by district school boards and community colleges, had not complied with the public shelter design criteria, and had not received an exemption (written) by local emergency management agencies or the Division. Given the projected deficits of public hurricane shelter space in this state, the Auditor General indicated that steps must be taken to remedy the situation.

The Auditor General recommended that the Division, in consultation with the State Legislature, Florida Department of Education and local emergency management officials, continue its efforts to ensure compliance with the provisions of the law. Subsequently, the Department of Education distributed memorandum number DPBM No. 02-42 (from Wayne V.

Pierson, dated October 31, 2001) that reiterated the necessity for compliance with the statute. A copy of memorandum DPBM No. 02-42 is included in Appendix I.

Since distribution of the Auditor General's report and the Department of Education's memorandum in 2001, the Division has taken additional steps to encourage compliance with the EHPA criteria through the emergency management community. In 2003, with the assistance of the Department of Education, the Division compiled a list of new school facilities from the Florida Inventory of School Houses (FISH) with construction years between 2000 and 2003. Unless exempted, these school facilities were lawfully required to incorporate the EHPA criteria. The lists were forwarded to local emergency managers to assist them in determining local compliance, as well as assist in identifying additional unreported shelter capacity.

The Division also annually requests hurricane shelter capacity data from local emergency management agencies that is sorted to differentiate new school EHPA's, retrofit, and "as-is" (i.e., ARC 4496 hurricane shelter facilities that are not classified as a retrofit or EHPA) shelter space. This data is used to monitor progress toward eliminating county-level, regional and statewide hurricane shelter space deficits. The data also provides a means of tracking EHPA productivity on an annual basis.

The Division substantially revised the 2004 Plan to incorporate guidance to assist local school boards and emergency managers with implementing the criteria. The Division and Department of Education also participated in presentations and workshops at conferences that included the topic of EHPA construction requirements, code compliance and implementation strategies. The conferences were attended by emergency managers and their shelter program partners, school board officials, code enforcement officials, architects and engineers (e.g., National Hurricane Conference, Governor's Hurricane Conference, Florida Emergency Preparedness Association Meetings, etc.)

From 2000 through 2009 the Division observed similar results to those of Auditor General staff in 2000. Therefore, the 2004 through 2010 Plans reported a cumulative average of about 65 percent compliance.

In preparation for the 2018 Plan, the Division again collaborated with the Department of Education to compile a list of new EHPA school buildings from the FISH data. However, for the 2018 Plan, the list of new buildings was limited to those constructed in 2015-2016 with at least 4,000 net square feet. The Department of Education reported a finding of 100 percent compliance in the regions where the requirement applies and new facilities were being built. Universities and community or state colleges were not included primarily due to the fact that FISH data is limited to K-12. Universities and colleges only account for about two (2) percent of recognized hurricane evacuation shelter space.

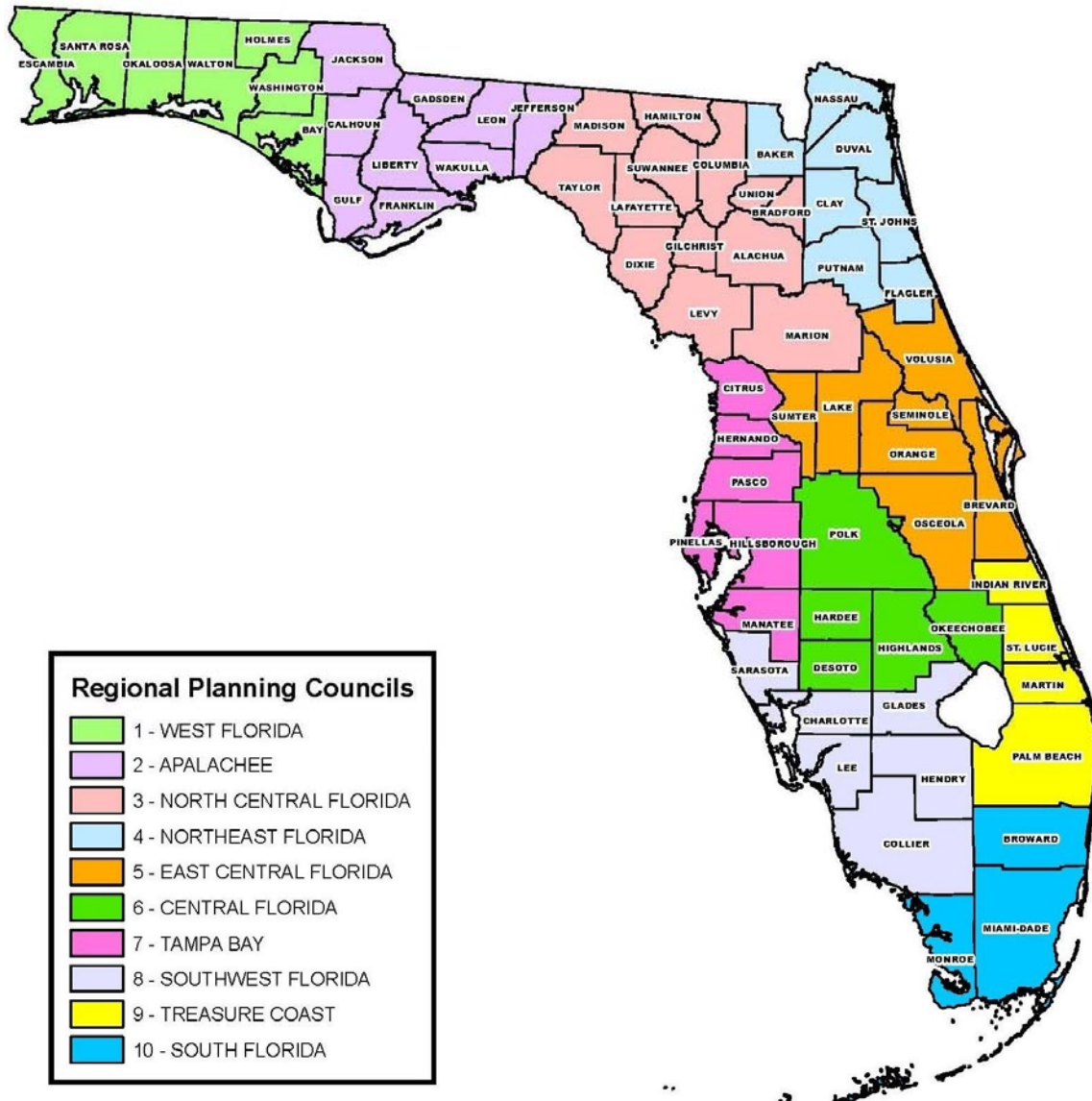
The Division will continue to coordinate with the Department of Education and local emergency managers to monitor and improve compliance.

### 3.0 REGIONAL HURRICANE EVACUATION SHELTER REQUIREMENTS

The Florida Statewide Regional Evacuation Studies (SRES) were updated in 2015 and some of the peninsula studies were updated in 2017 due to new storm information from the National Hurricane Center. Data from the SRES, University of Florida Bureau and Economic and Business Research, and coordination with County Emergency Management Agencies was utilized for estimating the projections in the 2018 Statewide Emergency Shelter Plan. The overall population projected in the 2018 SESP 20,481,201. County Emergency Managements provided input on their Shelter Demand Projections. County Emergency Managements are seeking similar trends for planning purposes but they have the advantage of being more familiar with local issues in their jurisdiction. Counties which provided input are marked with (\*) in Appendix J.

The SRES regions are RPC regions. The RPC regions and their respective counties are shown in Figure 3-1 for illustration purposes.

**Figure 3-1. Regional Planning Councils of Florida**



### **3.1 Methodology for Calculating Regional and County Hurricane Evacuation Shelter Status**

**Location and Square Footage of Existing Shelters.** The location and square footage of existing shelters can be found in Appendix A, which provides a detailed inventory of hurricane evacuation shelter locations and capacities within each region and county. The tables in Appendix A use the term “risk” shelters. Risk shelters include those shelter spaces recognized by the Division as meeting ARC 4496 hurricane safety guidelines and identified as appropriate for use during a hurricane impact. The term “risk” shelter is further defined in Appendix E.

**Location and Square Footage of Needed Shelters.** Region/County estimates for Shelter Capacity, Shelter Demands, and Shelter Surpluses/Deficits are provided in Table 3-1 and are based on Saffir-Simpson Hurricane Intensity Category 5 evacuation worst case scenario. Results contained in Table 3-1 for 2018 and 2023 are displayed in number of persons. Region/County square feet estimates for 2018 and 2023, using the same Category 5 worst case scenario, are provided in Table 3-2.

**Shelter Demand Sources/Results by County.** The 2018 through 2023 county shelter demand estimates for vulnerable populations are provided for Category 5. Vulnerable populations are defined as populations located in storm surge vulnerable areas (coastal and inland lake or river), rainfall flood prone areas and those living in mobile or manufactured housing. Source data for these estimates, including demographics, estimated percent vulnerable populations, estimated percent of vulnerable populations expected to seek public shelter, and other sources are shown in Appendix J.

The 2018 through 2023 population estimates utilized information from the SRES and University of Florida’s Bureau of Economic and Business Research (BEBR) coordination with County Emergency Managements. The Statewide Regional Evacuation Studies used the following guiding principles for the demographic analysis:

1. The best available data should be used for creating housing unit counts and population estimates, housing unit and population projections, and demographic profiles.
2. All regional studies use the April 1, 2012 BEBR of baseline for housing unit and population estimates.

**Determining County Shelter Capacities.** County shelter capacity data for all 67 counties were updated by local emergency management agencies through 2011. Since 1995, Florida has been implementing ARC 4496 hurricane evacuation shelter criteria and Florida’s *Model Hurricane Evacuation Shelter Selection Guidelines*. Therefore, based upon subsequent results of regional and county hurricane evacuation shelter surveys, local emergency management agencies were requested to provide shelter inventory capacities based on those facilities that met the required ARC 4496 standards, and separately those facilities that did not.

Those facilities that have not yet been surveyed, and therefore have not yet been documented to meet the above standards, were designated as facilities not meeting the ARC 4496 standards. The Division has standardized a consistent methodology of calculating shelter capacities across the state for the purpose of this Plan. For each shelter, a net square footage for the building was derived from the Florida Department of Education’s FISH database, including only those room types listed in Appendix H of this Plan. See Appendix H. Then, each room’s square footage was multiplied by a usability factor based on room type.

This generated a “dormitory” or square footage area that is usable as clear shelter space. This figure was then divided by 20 square feet per person for general population risk shelters and 60 square feet per client for special needs risk shelters. These are the square footages and capacities used to calculate the Hurricane evacuation shelter deficit reduction in this Plan.

The Division recognizes that many counties have local preferences and practices that may further limit usage of buildings. For example, one county may choose to utilize only hallways, gyms or cafeterias, even though the rest of the building (i.e., classrooms) also meets ARC 4496 guidelines. In some cases, the limiting factor is the number of available staff, i.e., they can staff for only 500 people in a given location, even though they have space for many more. Also the local shelter capacity at a specific building may exceed local need. In recognition of these and other variances, the Division has included a column titled “Local Planned Usage” in the individual county tables in Appendix A. However, it should be noted that the capacities calculated per the method in the paragraph above, still exist and could, in an emergency, be utilized and therefore are counted toward elimination of the regional and county hurricane evacuation shelter space deficit.

**Determining County Shelter Demand.** The hurricane evacuation shelter demand percentage for each county reflects the percentage of a county’s vulnerable population that is projected to seek public shelter. These percentages are based on the conclusions of the behavioral analyses conducted for each of the regional evacuation studies. The analyses utilize survey and statistical methodologies to estimate behavioral responses to various hurricane scenarios. It is important to note that results obtained by a survey do not always correlate to actual behavior. What people say they will do during a “blue sky” survey often differs from actual behavior, which is influenced by a number of factors. Strength of storm, time since most recent significant disaster, and previous experience (or lack of) with tropical weather are just a few factors that influence a person’s decision to evacuate or seek shelter. Hence, shelter demand may fluctuate over time. All estimates are based on a worst case storm scenario and optimal compliance with local evacuation orders.

Most of the behavioral analyses in the state have been prepared on a regional basis by Hazards Management Group (HMG) and are therefore a consistent benchmark relative to the survey methodologies and statistical applications. The public shelter use percentages in the behavioral section of the regional hurricane evacuation study are combined with local income characteristics in the hurricane risk area (two important variables in determining public shelter use) to calculate shelter demand numbers.

For this Plan, these data served as the basis for estimating the shelter demand for coastal and inland counties between 2018 and 2023. The same methodology for projecting the vulnerable population during this period was used to calculate the estimated shelter demand figures for those years. The Shelter Demand for the Persons with Special Needs (PSN) is also utilized information from the SRES with adjustments directed by County Emergency Management Offices.

### **3.2 Location and Square Footage of Existing and Needed Shelters**

Tables 3-1 and 3-2 provide information regarding location and shelter occupant capacity of both existing and needed hurricane evacuation shelters (i.e., risk shelters) for each of the 67 Florida counties. The tables also show which regions of the state have a deficit of hurricane evacuation shelter space.

### **3.3 County Hurricane Evacuation Shelter Status**

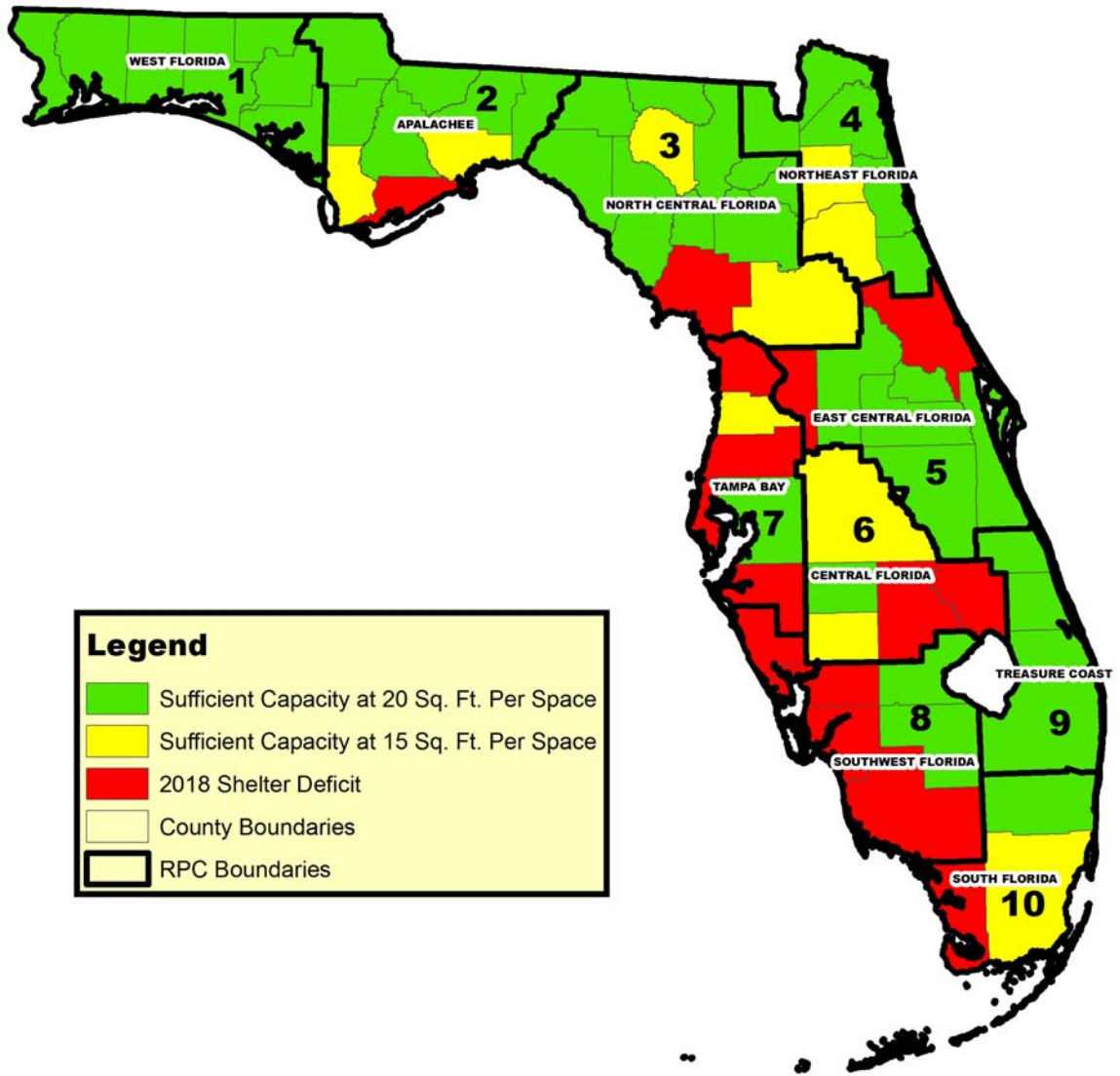
Though the EHPA codes are only required by statute in regions with deficits of hurricane evacuation shelter space, individual counties within such regions do continue to have deficits. All evacuations are managed locally, and state and county emergency managers and their partners need to continue to build shelter capacity for individual counties. Figure 3-2 provides sufficiency/deficit status for GP hurricane evacuation shelters for individual counties, and Figure 3-3 provides sufficiency/deficit status for SpNS hurricane evacuation shelters.

The color codes are keyed to individual county sheltering capability. For Figure 3-2, the green color code for GP shelters represents sufficient capacity to provide at least 20 sq.ft. of net usable floor area per demand evacuee, which is the minimum floor space required by the hurricane provisions of both EHPA codes and ICC 500 standard. The yellow color code represents sufficient capacity to provide at least 15 sq.ft. of net usable floor area per demand evacuee, which is the less-than-preferred short-term minimum floor space established as part of the ARC 4496 least-risk decision making process. The red color code indicates insufficient floor space for even the ARC short-term minimum recommendation.

For Figure 3-3, the green color code for SpNS represents sufficient capacity to provide at least 60 sq.ft. of net usable floor area per demand client. This is the minimum floor space recommended by the Division, Department of Health and partner agencies for SpNS. The yellow color code represents sufficient capacity to provide at least 40 sq.ft. of net usable floor area per demand client, which is the less-than-preferred short-term minimum used in historical plans. The red color code indicates insufficient floor space for even the obsolete historical minimum recommendation.

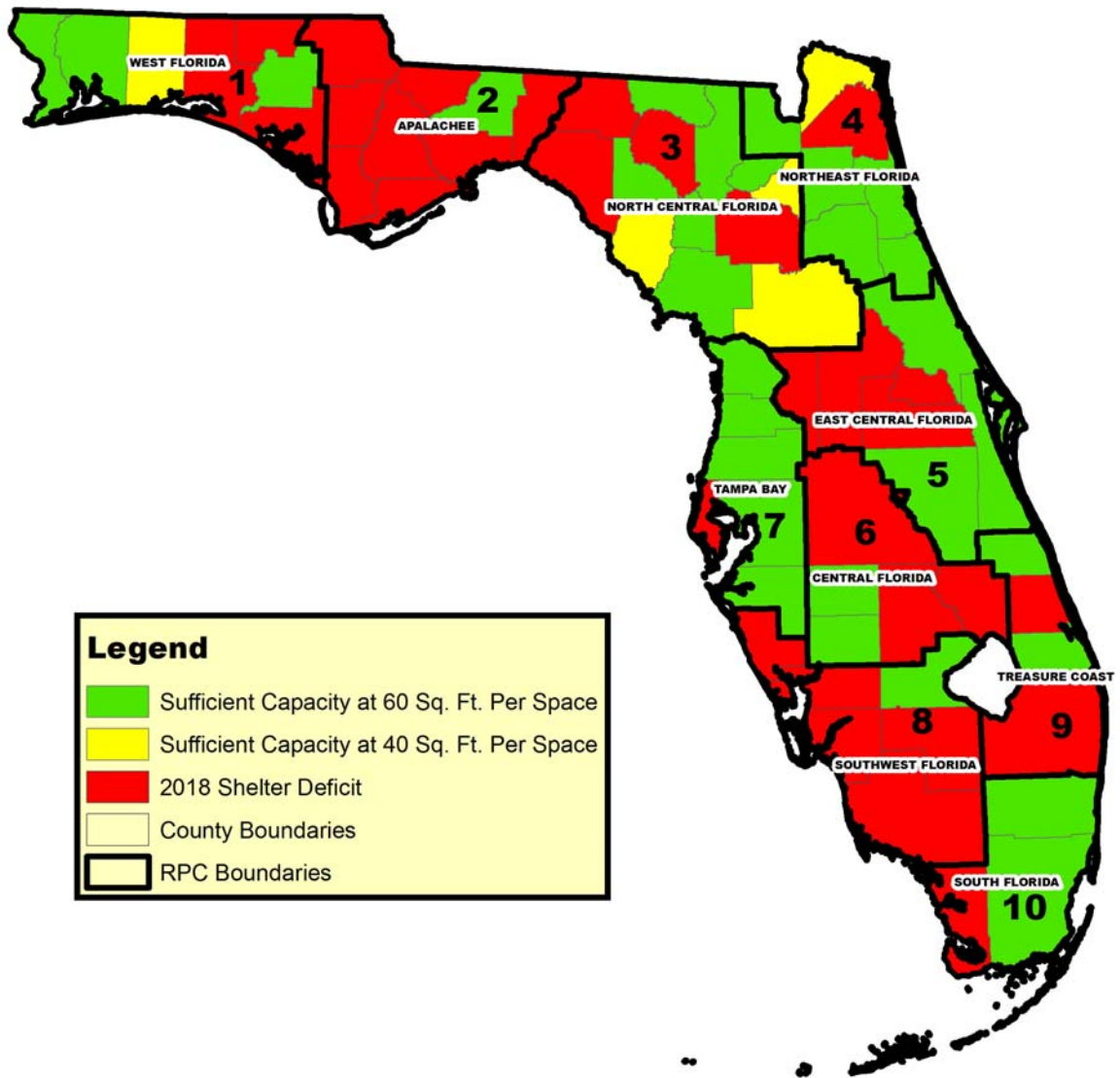
State and local emergency managers and other public officials prefer that persons ordered to evacuate for a hurricane stay within their home county if possible, region if necessary, and not evacuate long distances. Counties with deficits are still in need of additional hurricane evacuation shelter space.

**Figure 3-2. County Hurricane Evacuation Shelter Space Deficit / Sufficient Status of General Population Shelters**





**Figure 3-3. County Hurricane Evacuation Shelter Space Deficit / Sufficient Status of Special Needs Shelters**



### 3.4 **Pet-Friendly Shelter Availability**

A recurrent concern noted during past hurricanes is the need to provide shelters for domestic companion animals (pets). In many cases, pet-owners are unwilling to go to shelters during hurricanes due to the lack of facilities to keep their pets. Most shelters will only allow service animals. In some counties provisions have been made at local Agricultural Centers for horses and large animals. In a few cases, rooms (e.g., locker rooms) were set aside in hurricane evacuation shelters for pets that were brought anyway. Pursuant to §252.385(2)(b), F.S., this Plan includes information on the availability of shelters that accept pets.

Statewide, 32 counties provide a limited number of pet-friendly hurricane evacuation shelters that meet minimum hurricane safety criteria (i.e., ARC 4496). The pet-friendly counties have a total human occupant capacity of 641,426 spaces. The pet-friendly shelters are designated with an “A” under the column titled: “General (G), PSN (P), Pet-Friendly (A)” in Appendix A: “List of Hurricane Evacuation Shelters by County, Location and Capacity.” Another 9 counties indicate they have designated pet-friendly hurricane evacuation shelters, but they do not meet minimum hurricane safety criteria. There are 26 counties without pet-friendly shelters.

Figure 3-2 provides a summary of the counties with designated pet-friendly shelters.

NOTE: For clarification, the Division defines “Pet-Friendly Shelters” as public shelters that have made arrangements to accept pets. Normally this includes setting aside separate areas within the public shelter or adjacent facilities with cages to control pets and isolate them from the sheltering public. Those shelters that are only for pets (not accompanied by owners) are classified as “Pet Storage Facilities” and not included as Pet Friendly Shelters. There are 3 counties with Pet Storage Facilities, totaling 33,820 space for people in the county.



Table 3-1 (1)											
County	RPC Region #	General Population Shelter Demand/Capacity					Special Needs Shelter Demand/Capacity				
		2018 Category 5 Shelter Demand In People	2023 Category 5 Shelter Demand In People	2018 Risk Shelter Capacity In People	2018 Shelter Surplus/Deficit in People	2023 Shelter Surplus/Deficit in People	2018 Category 5 Shelter Demand In Clients	2023 Category 5 Shelter Demand In Clients	2018 Risk Shelter Capacity In Clients	2018 Shelter Surplus/Deficit in Clients	2023 Shelter Surplus/Deficit in Clients
Bay	1	6,443	6,533	15,928	9,485	9,395	1,712	1,736	301	(1,411)	(1,435)
Escambia	1	10,680	10,830	25,218	14,538	14,388	500	507	1,160	660	653
Holmes	1	991	1,005	1,332	341	327	121	123	38	(83)	(85)
Okaloosa	1	5,927	6,010	11,493	5,566	5,483	100	101	82	(18)	(19)
Santa Rosa	1	5,875	5,957	12,067	6,192	6,110	150	152	940	790	788
Walton	1	1,807	1,832	9,205	7,398	7,373	150	152	92	(58)	(60)
Washington	1	1,530	1,551	4,793	3,263	3,242	166	168	172	6	4
<b>Region 1 Subtotals</b>		<b>33,253</b>	<b>33,719</b>	<b>80,036</b>	<b>46,783</b>	<b>46,317</b>	<b>2,899</b>	<b>2,940</b>	<b>2,785</b>	<b>(114)</b>	<b>(155)</b>
Calhoun	2	1,019	1,032	2,996	1,977	1,963	91	92	0	(91)	(92)
Franklin	2	319	325	0	(319)	(325)	214	218	0	(214)	(218)
Gadsden	2	3,275	3,360	6,153	2,878	2,793	632	649	0	(632)	(649)
Gulf	2	532	542	460	(72)	(82)	208	212	0	(208)	(212)
Jackson	2	1,757	1,769	3,831	2,074	2,062	143	144	33	(110)	(111)
Jefferson	2	664	687	809	145	122	278	288	0	(278)	(288)
Leon	2	3,987	3,994	26,427	22,440	22,433	600	612	705	105	93
Liberty	2	467	495	1,585	1,118	1,090	275	292	73	(202)	(219)
Wakulla	2	844	886	800	(44)	(86)	100	105	0	(100)	(105)
<b>Region 2 Subtotals</b>		<b>12,864</b>	<b>13,091</b>	<b>43,061</b>	<b>30,197</b>	<b>29,969</b>	<b>2,541</b>	<b>2,612</b>	<b>811</b>	<b>(1,730)</b>	<b>(1,801)</b>
Alachua	3	11,864	11,923	11,896	32	(27)	1,200	1,206	621	(579)	(585)
Bradford	3	1,287	1,304	2,260	973	956	167	169	161	(6)	(8)
Columbia	3	4,661	4,716	4,730	69	14	438	443	596	158	153
Dixie	3	1,832	1,850	6,810	4,978	4,960	142	143	120	(22)	(23)
Gilchrist	3	1,123	1,131	3,027	1,904	1,896	76	77	102	26	25
Hamilton	3	1,038	1,048	1,239	201	191	76	77	76	0	(1)
Lafayette	3	609	611	698	89	87	13	13	60	47	47
Levy	3	4,184	4,203	5,322	1,138	1,119	19	19	136	117	117
Madison	3	1,259	1,268	4,208	2,949	2,940	67	67	28	(39)	(39)
Marion	3	18,166	18,257	17,247	(919)	(1,010)	1,000	1,005	940	(60)	(65)
Suwannee	3	3,872	3,885	3,484	(388)	(401)	92	92	50	(42)	(42)
Taylor	3	1,713	1,721	4,144	2,431	2,423	63	63	0	(63)	(63)
Union	3	708	713	2,264	1,556	1,551	43	43	131	88	88
<b>Region 3 Subtotals</b>		<b>52,316</b>	<b>52,629</b>	<b>67,329</b>	<b>15,013</b>	<b>14,700</b>	<b>3,396</b>	<b>3,419</b>	<b>3,021</b>	<b>(375)</b>	<b>(398)</b>

Table 3-1 (2)

County	RPC Region #	General Population Shelter Demand/Capacity					Special Needs Shelter Demand/Capacity				
		2018 Category 5 Shelter Demand In People	2023 Category 5 Shelter Demand In People	2018 Risk Shelter Capacity In People	2018 Shelter Surplus/Deficit in People	2023 Shelter Surplus/Deficit in People	2018 Category 5 Shelter Demand In Clients	2023 Category 5 Shelter Demand In Clients	2018 Risk Shelter Capacity In Clients	2018 Shelter Surplus/Deficit in Clients	2023 Shelter Surplus/Deficit in Clients
Baker	4	2,618	2,631	3,459	841	828	79	79	79	0	(0)
Clay	4	11,281	11,326	9,152	(2,129)	(2,174)	250	251	335	85	84
Duval	4	40,802	41,088	53,407	12,605	12,319	4,262	4,292	2,658	(1,604)	(1,634)
Flagler	4	6,227	6,258	45,438	39,211	39,180	328	400	658	330	258
Nassau	4	5,318	5,334	5,563	245	229	208	209	156	(52)	(53)
Putnam	4	4,748	4,748	4,621	(127)	(127)	100	100	145	45	45
St Johns	4	11,325	11,359	17,031	5,706	5,672	515	517	596	81	79
Region 4 Subtotals		82,319	82,744	138,671	56,352	55,927	5,742	5,847	4,627	(1,115)	(1,220)
Brevard	5	31,469	31,563	39,964	8,495	8,401	2,090	2,096	2,330	240	234
Lake	5	24,960	25,334	27,646	2,686	2,312	1,414	1,435	314	(1,100)	(1,121)
Orange	5	27,952	28,184	29,957	2,005	1,773	3,800	3,832	1,402	(2,398)	(2,430)
Osceola	5	10,151	10,202	23,939	13,788	13,737	660	663	1,331	671	668
Seminole	5	11,445	11,466	31,126	19,681	19,660	750	751	300	(450)	(451)
Sumter	5	9,786	9,818	1,286	(8,500)	(8,532)	32	32	0	(32)	(32)
Volusia	5	39,238	39,485	22,679	(16,559)	(16,806)	363	365	1,490	1,127	1,125
Region 5 Subtotals		155,001	156,053	176,597	21,596	20,544	9,109	9,175	7,167	(1,942)	(2,008)
Desoto	6	3,159	3,244	2,542	(617)	(702)	120	123	211	91	88
Hardee	6	2,167	2,210	4,687	2,520	2,477	36	37	75	39	38
Highlands	6	11,553	11,634	8,513	(3,040)	(3,121)	285	287	75	(210)	(212)
Okeechobee	6	7,342	7,584	1,639	(5,703)	(5,945)	1,273	1,315	0	(1,273)	(1,315)
Polk	6	42,257	42,806	34,517	(7,740)	(8,289)	3,246	3,288	1,063	(2,183)	(2,225)
Region 6 Subtotals		66,478	67,479	51,898	(14,580)	(15,581)	4,960	5,050	1,424	(3,536)	(3,626)

Table 3-1 (3)

County	RPC Region #	General Population Shelter Demand/Capacity					Special Needs Shelter Demand/Capacity				
		2018 Category 5 Shelter Demand In People	2023 Category 5 Shelter Demand In People	2018 Risk Shelter Capacity In People	2018 Shelter Surplus/Deficit in People	2023 Shelter Surplus/Deficit in People	2018 Category 5 Shelter Demand In Clients	2023 Category 5 Shelter Demand In Clients	2018 Risk Shelter Capacity In Clients	2018 Shelter Surplus/Deficit in Clients	2023 Shelter Surplus/Deficit in Clients
Citrus	7	13,314	13,374	3,647	(9,667)	(9,727)	60	60	208	148	148
Hernando	7	11,565	11,609	9,056	(2,509)	(2,553)	44	44	411	367	367
Hillsborough	7	52,316	52,515	85,288	32,972	32,773	2,927	2,938	3,250	323	312
Manatee	7	24,200	25,981	15,819	(8,381)	(10,162)	600	700	933	333	233
Pasco	7	31,294	31,569	18,956	(12,338)	(12,613)	966	975	1,466	500	491
Pinellas	7	42,178	42,621	27,225	(14,953)	(15,396)	4,000	4,042	2,268	(1,732)	(1,774)
Region 7 Subtotals		174,867	177,669	159,991	(14,876)	(17,678)	8,597	8,759	8,536	(61)	(223)
Charlotte	8	12,089	12,180	0	(12,089)	(12,180)	1,277	1,287	0	(1,277)	(1,287)
Collier	8	29,964	30,129	5,784	(24,180)	(24,345)	2,011	2,022	0	(2,011)	(2,022)
Glades	8	1,594	1,597	4,133	2,539	2,536	19	19	110	91	91
Hendry	8	3,285	3,312	6,263	2,978	2,951	204	206	0	(204)	(206)
Lee	8	71,410	71,681	500	(70,910)	(71,181)	3,285	3,297	0	(3,285)	(3,297)
Sarasota	8	29,826	30,088	8,540	(21,286)	(21,548)	1,900	1,917	0	(1,900)	(1,917)
Region 8 Subtotals		148,168	148,987	25,220	(122,948)	(123,767)	8,696	8,748	110	(8,586)	(8,638)
Indian River	9	5,805	5,950	10,356	4,551	4,406	501	514	582	81	68
Martin	9	5,331	5,448	19,211	13,880	13,763	400	409	1,369	969	960
Palm Beach	9	29,754	30,111	69,460	39,706	39,349	2,520	2,550	800	(1,720)	(1,750)
St. Lucie	9	7,833	8,029	16,885	9,052	8,856	2,851	2,922	500	(2,351)	(2,422)
Region 9 Subtotals		48,723	49,538	115,912	67,189	66,374	6,272	6,395	3,251	(3,021)	(3,144)
Broward	10	28,299	28,356	58,954	30,655	30,598	1,277	1,280	1,550	273	270
Miami-Dade	10	97,855	98,149	84,486	(13,369)	(13,663)	2,717	2,725	3,308	591	583
Monroe	10	2,590	2,593	602	(1,988)	(1,991)	461	462	121	(340)	(341)
Region 10 Subtotals		128,744	129,097	144,042	15,298	14,945	4,455	4,466	4,979	524	513
<b>TOTAL</b>	<b>Statewide</b>	<b>902,730</b>	<b>911,006</b>	<b>1,002,757</b>	<b>100,024</b>	<b>91,751</b>	<b>56,667</b>	<b>57,411</b>	<b>36,711</b>	<b>(19,956)</b>	<b>(20,700)</b>

Table 3-2 (1)

County	RPC Region #	General Population Shelter Demand/Capacity					Special Needs Shelter Demand/Capacity				
		2018 Category 5 Shelter Demand In People	2023 Category 5 Shelter Demand In People	2018 Risk Shelter Capacity In People	2018 Shelter Surplus/Deficit in People	2023 Shelter Surplus/Deficit in People	2018 Category 5 Shelter Demand In Clients	2023 Category 5 Shelter Demand In Clients	2018 Risk Shelter Capacity In Clients	2018 Shelter Surplus/Deficit in Clients	2023 Shelter Surplus/Deficit in Clients
Bay	1	128,860	130,664	318,560	189,700	187,896	102,720	104,158	18,060	(84,660)	(86,098)
Escambia	1	213,600	216,590	504,360	290,760	287,770	30,000	30,420	69,600	39,600	39,180
Holmes	1	19,820	20,097	26,640	6,820	6,543	7,260	7,362	2,280	(4,980)	(5,082)
Okaloosa	1	118,540	120,200	229,860	111,320	109,660	6,000	6,084	4,920	(1,080)	(1,164)
Santa Rosa	1	117,500	119,145	241,340	123,840	122,195	9,000	9,126	56,400	47,400	47,274
Walton	1	36,140	36,646	184,100	147,960	147,454	9,000	9,126	5,520	(3,480)	(3,606)
Washington	1	30,600	31,028	95,860	65,260	64,832	9,960	10,099	10,320	360	221
<b>Region 1 Subtotals</b>		<b>665,060</b>	<b>674,371</b>	<b>1,600,720</b>	<b>935,660</b>	<b>926,349</b>	<b>173,940</b>	<b>176,375</b>	<b>167,100</b>	<b>(6,840)</b>	<b>(9,275)</b>
Calhoun	2	20,380	20,645	59,920	39,540	39,275	5,460	5,531	0	(5,460)	(5,531)
Franklin	2	6,380	6,508	0	(6,380)	(6,508)	12,840	13,097	0	(12,840)	(13,097)
Gadsden	2	65,440	67,207	123,060	57,620	55,853	37,920	38,944	0	(37,920)	(38,944)
Gulf	2	10,640	10,832	9,200	(1,440)	(1,632)	12,480	12,705	0	(12,480)	(12,705)
Jackson	2	35,140	35,386	76,620	41,480	41,234	8,580	8,640	1,980	(6,600)	(6,660)
Jefferson	2	13,280	13,745	16,180	2,900	2,435	16,680	17,264	0	(16,680)	(17,264)
Leon	2	79,740	79,880	528,540	448,800	448,660	36,000	36,720	42,300	6,300	5,580
Liberty	2	9,340	9,900	31,700	22,360	21,800	16,500	17,490	4,380	(12,120)	(13,110)
Wakulla	2	16,880	17,724	16,000	(880)	(1,724)	6,000	6,300	0	(6,000)	(6,300)
<b>Region 2 Subtotals</b>		<b>257,220</b>	<b>261,826</b>	<b>861,220</b>	<b>604,000</b>	<b>599,394</b>	<b>152,460</b>	<b>156,690</b>	<b>48,660</b>	<b>(103,800)</b>	<b>(108,030)</b>
Alachua	3	237,280	238,466	237,920	640	(546)	72,000	72,360	37,260	(34,740)	(35,100)
Bradford	3	25,740	26,082	45,200	19,460	19,118	10,020	10,153	9,660	(360)	(493)
Columbia	3	93,220	94,320	94,600	1,380	280	26,280	26,590	35,760	9,480	9,170
Dixie	3	36,640	37,006	136,200	99,560	99,194	8,520	8,605	7,200	(1,320)	(1,405)
Gilchrist	3	22,460	22,613	60,540	38,080	37,927	4,560	4,591	6,120	1,560	1,529
Hamilton	3	20,760	20,968	24,780	4,020	3,812	4,560	4,606	4,560	0	(46)
Lafayette	3	12,180	12,220	13,960	1,780	1,740	780	783	3,600	2,820	2,817
Levy	5	83,680	84,057	106,440	22,760	22,383	1,140	1,145	8,160	7,020	7,015
Madison	3	25,180	25,351	84,160	58,980	58,809	4,020	4,047	1,680	(2,340)	(2,367)
Marion	5	363,320	365,137	344,940	(18,380)	(20,197)	60,000	60,300	56,400	(3,600)	(3,900)
Suwannee	3	77,440	77,696	69,680	(7,760)	(8,016)	5,520	5,538	3,000	(2,520)	(2,538)
Taylor	3	34,260	34,414	82,880	48,620	48,466	3,780	3,797	0	(3,780)	(3,797)
Union	3	14,160	14,256	45,280	31,120	31,024	2,580	2,598	7,860	5,280	5,262
<b>Region 3 Subtotals</b>		<b>1,046,320</b>	<b>1,052,586</b>	<b>1,346,580</b>	<b>300,260</b>	<b>293,994</b>	<b>203,760</b>	<b>205,113</b>	<b>181,260</b>	<b>(22,500)</b>	<b>(23,853)</b>



Table 3-2 (2)

County	RPC Region #	General Population Shelter Demand/Capacity					Special Needs Shelter Demand/Capacity				
		2018 Category 5 Shelter Demand In People	2023 Category 5 Shelter Demand In People	2018 Risk Shelter Capacity In People	2018 Shelter Surplus/Deficit in People	2023 Shelter Surplus/Deficit in People	2018 Category 5 Shelter Demand In Clients	2023 Category 5 Shelter Demand In Clients	2018 Risk Shelter Capacity In Clients	2018 Shelter Surplus/Deficit in Clients	2023 Shelter Surplus/Deficit in Clients
Baker	4	52,360	52,622	69,180	16,820	16,558	4,740	4,764	4,740	0	(24)
Clay	4	225,620	226,522	183,040	(42,580)	(43,482)	15,000	15,060	20,100	5,100	5,040
Duval	4	816,040	821,752	1,068,140	252,100	246,388	255,720	257,510	159,480	(96,240)	(98,030)
Flagler	4	124,540	125,163	908,760	784,220	783,597	19,680	24,000	39,480	19,800	15,480
Nassau	4	106,360	106,679	111,260	4,900	4,581	12,480	12,517	9,360	(3,120)	(3,157)
Putnam	4	94,960	94,969	92,420	(2,540)	(2,549)	6,000	6,001	8,700	2,700	2,699
St Johns	4	226,500	227,180	340,620	114,120	113,441	30,900	30,993	35,760	4,860	4,767
<b>Region 4 Subtotals</b>		<b>1,646,380</b>	<b>1,654,887</b>	<b>2,773,420</b>	<b>1,127,040</b>	<b>1,118,533</b>	<b>344,520</b>	<b>350,844</b>	<b>277,620</b>	<b>(66,900)</b>	<b>(73,224)</b>
Brevard	5	629,380	631,268	799,280	169,900	168,012	125,400	125,776	139,800	14,400	14,024
Lake	5	499,200	506,688	552,920	53,720	46,232	84,840	86,113	18,840	(66,000)	(67,273)
Orange	5	559,040	563,680	599,140	40,100	35,460	228,000	229,892	84,120	(143,880)	(145,772)
Osceola	5	203,020	204,035	478,780	275,760	274,745	39,600	39,798	79,860	40,260	40,062
Seminole	5	228,900	229,312	622,520	393,620	393,208	45,000	45,081	18,000	(27,000)	(27,081)
Sumter	5	195,720	196,366	25,720	(170,000)	(170,646)	1,920	1,926	0	(1,920)	(1,926)
Volusia	5	784,760	789,704	453,580	(331,180)	(336,124)	21,780	21,917	89,400	67,620	67,483
<b>Region 5 Subtotals</b>		<b>3,100,020</b>	<b>3,121,053</b>	<b>3,531,940</b>	<b>431,920</b>	<b>410,887</b>	<b>546,540</b>	<b>550,504</b>	<b>430,020</b>	<b>(116,520)</b>	<b>(120,484)</b>
Desoto	6	63,180	64,886	50,840	(12,340)	(14,046)	7,200	7,394	12,660	5,460	5,266
Hardee	6	43,340	44,207	93,740	50,400	49,533	2,160	2,203	4,500	2,340	2,297
Highlands	6	231,060	232,677	170,260	(60,800)	(62,417)	17,100	17,220	4,500	(12,600)	(12,720)
Okeechobee	6	146,840	151,686	32,780	(114,060)	(118,906)	76,380	78,901	0	(76,380)	(78,901)
Polk	6	845,140	856,127	690,340	(154,800)	(165,787)	194,760	197,292	63,780	(130,980)	(133,512)
<b>Region 6 Subtotals</b>		<b>1,329,560</b>	<b>1,349,583</b>	<b>1,037,960</b>	<b>(291,600)</b>	<b>(311,623)</b>	<b>297,600</b>	<b>303,010</b>	<b>85,440</b>	<b>(212,160)</b>	<b>(217,570)</b>



Table 3-2 (3)

County	RPC Region #	General Population Shelter Demand/Capacity					Special Needs Shelter Demand/Capacity				
		2018 Category 5 Shelter Demand In People	2023 Category 5 Shelter Demand In People	2018 Risk Shelter Capacity In People	2018 Shelter Surplus/Deficit in People	2023 Shelter Surplus/Deficit in People	2018 Category 5 Shelter Demand In Clients	2023 Category 5 Shelter Demand In Clients	2018 Risk Shelter Capacity In Clients	2018 Shelter Surplus/Deficit in Clients	2023 Shelter Surplus/Deficit in Clients
Citrus	7	266,280	267,478	72,940	(193,340)	(194,538)	3,600	3,616	12,480	8,880	8,864
Hernando	7	231,300	232,179	181,120	(50,180)	(51,059)	2,640	2,650	24,660	22,020	22,010
Hillsborough	7	1,046,320	1,050,296	1,705,760	659,440	655,464	175,620	176,287	195,000	19,380	18,713
Manatee	7	484,000	519,620	316,380	(167,620)	(203,240)	36,000	42,000	55,980	19,980	13,980
Pasco	7	625,880	631,388	379,120	(246,760)	(252,268)	57,960	58,470	87,960	30,000	29,490
Pinellas	7	843,560	852,417	544,500	(299,060)	(307,917)	240,000	242,520	136,080	(103,920)	(106,440)
<b>Region 7 Subtotals</b>		<b>3,497,340</b>	<b>3,553,378</b>	<b>3,199,820</b>	<b>(297,520)</b>	<b>(353,558)</b>	<b>515,820</b>	<b>525,544</b>	<b>512,160</b>	<b>(3,660)</b>	<b>(13,384)</b>
Charlotte	8	241,780	243,593	0	(241,780)	(243,593)	76,620	77,195	0	(76,620)	(77,195)
Collier	8	599,280	602,576	115,680	(483,600)	(486,896)	120,660	121,324	0	(120,660)	(121,324)
Glades	8	31,880	31,937	82,660	50,780	50,723	1,140	1,142	6,600	5,460	5,458
Hendry	8	65,700	66,245	125,260	59,560	59,015	12,240	12,342	0	(12,240)	(12,342)
Lee	8	1,428,200	1,433,627	10,000	(1,418,200)	(1,423,627)	197,100	197,849	0	(197,100)	(197,849)
Sarasota	8	596,520	601,769	170,800	(425,720)	(430,969)	114,000	115,020	0	(114,000)	(115,020)
<b>Region 8 Subtotals</b>		<b>2,963,360</b>	<b>2,979,749</b>	<b>504,400</b>	<b>(2,458,960)</b>	<b>(2,475,349)</b>	<b>521,760</b>	<b>524,871</b>	<b>6,600</b>	<b>(515,160)</b>	<b>(518,271)</b>
Indian River	9	116,100	119,003	207,120	91,020	88,118	30,060	30,812	34,920	4,860	4,109
Martin	9	106,620	108,966	384,220	277,600	275,254	24,000	24,528	82,140	58,140	57,612
Palm Beach	9	595,080	602,221	1,389,200	794,120	786,979	151,200	153,014	48,000	(103,200)	(105,014)
St. Lucie	9	156,660	160,577	337,700	181,040	177,124	171,060	175,337	30,000	(141,060)	(145,337)
<b>Region 9 Subtotals</b>		<b>974,460</b>	<b>990,766</b>	<b>2,318,240</b>	<b>1,343,780</b>	<b>1,327,474</b>	<b>376,320</b>	<b>383,690</b>	<b>195,060</b>	<b>(181,260)</b>	<b>(188,630)</b>
Broward	10	565,980	567,112	1,179,080	613,100	611,968	76,620	76,773	93,000	16,380	16,227
Miami-Dade	10	1,957,100	1,962,971	1,689,720	(267,380)	(273,251)	163,020	163,509	198,480	35,460	34,971
Monroe	10	51,800	51,864	12,040	(39,760)	(39,824)	27,660	27,694	7,260	(20,400)	(20,434)
<b>Region 10 Subtotals</b>		<b>2,574,880</b>	<b>2,581,947</b>	<b>2,880,840</b>	<b>305,960</b>	<b>298,893</b>	<b>267,300</b>	<b>267,976</b>	<b>298,740</b>	<b>31,440</b>	<b>30,764</b>
<b>TOTALS</b>	<b>Statewide</b>	<b>18,054,600</b>	<b>18,220,146</b>	<b>20,055,140</b>	<b>2,000,540</b>	<b>1,834,994</b>	<b>3,400,020</b>	<b>3,444,617</b>	<b>2,202,660</b>	<b>(1,197,360)</b>	<b>(1,241,957)</b>

## **4.0 TYPES OF PUBLIC FACILITIES THAT SHOULD COMPLY WITH PUBLIC SHELTER DESIGN CRITERIA**

By statute, all appropriate public facilities are subject to being used as public hurricane evacuation shelters in a declared state or local emergency. See §252.385, F.S. Therefore, any appropriate new public facility should include emergency shelter criteria. This includes not only public educational facilities, but also certain types of state and local government facilities. In general, facilities that are designed for public assembly, either as a primary or auxiliary use, may be appropriate for use as public shelters during an emergency. At this time, only public educational facilities are subject to the EHPA criteria by statute and code. This is primarily due to the fact that public educational facilities account for about 99 percent of current public hurricane evacuation shelter space, and relatively few other state and local facilities are appropriate for use as public shelters.

The public shelter space may be located in a single building or a campus or office center with multiple buildings, placed in a single large room or multiple medium sized rooms in close proximity to each other, or in one or more stories of multistory buildings. Preferably the buildings will have a means of inside circulation and convenient access to toilets and hand washing facilities.

To determine if a proposed new public facility should be subject to the EHPA criteria, regardless of non-educational function or agency with ownership, the proposed facility should be reviewed based upon the exemption criteria given in Section 2.2 of this Plan. Facilities not subject to an exemption may be appropriate for use as public hurricane evacuation shelters. The decision to incorporate emergency shelter criteria into a new public facility must be coordinated with the local emergency management agency(s) or the Division.

### **4.1 Public Schools and Community Colleges**

District public schools (K-12) are the primary source of public hurricane evacuation shelter space in Florida, accounting for about 97 percent of current capacity. This is due to the fact that schools are widely distributed in populated areas, school facilities are designed for large assembly occupancies with many inherent mass care features (e.g., adequate quantity of toilets, dining/feeding areas, etc.), access to the facilities can be coordinated through a single local agency, etc. The types of school buildings that are potentially appropriate for use as public shelters include gymnasiums, cafeteria/dining, multipurpose, auditoriums and certain classroom buildings.

Community or state colleges account for only about one (1) percent of current public shelter capacity. Colleges are regionally distributed, and potentially located in areas with high demands for public hurricane evacuation shelter space. As with K-12 public schools, colleges are normally designed for large assembly occupancies and possess many inherent mass care features. The types of college buildings that are potentially appropriate for use as public shelters include gymnasiums, cafeterias, multipurpose facilities, auditoriums and certain classroom buildings.

## **4.2 Charter Schools**

Charter schools have a general exemption from meeting many of the requirements of K-12 public schools under §1002.33(16)(a), F.S. However, §1002.33(18), F.S., requires charter schools that are not conversion schools (therefore, startup charter schools) to utilize facilities which comply with the generally applicable provisions of the Florida Building Code, but not the State Requirements for Educational Facilities. Privately owned charter school facilities are not required to be designated as emergency shelters under §1013.372, F.S. Pursuant to §252.385, F.S. an owner of a privately-owned charter school facility may agree in writing to use the facility as a public hurricane evacuation shelter.

## **4.3 State Universities**

State university facilities account for only about one (1) percent of current public hurricane evacuation shelter capacity. Unlike K-12 public schools and colleges, state university campuses may not be as widely distributed, though several are potentially located in areas with high demands for public hurricane evacuation shelter space (e.g., Florida International University, University of South Florida, etc.) Main campuses and some satellite campuses may have several appropriate buildings concentrated in one (or more) proximate geographic area. This concentration of shelter spaces reduces staffing and logistical resource demands of a sheltering operation.

State university facilities are typically designed for large assembly occupancies, with many having inherent mass care features. The types of university buildings that are potentially appropriate for use as public shelters include gymnasiums, field houses and sports arenas, cafeterias or dining rooms, multipurpose facilities, auditoriums and certain classroom buildings.

State universities must consider two separate populations when developing their public shelter strategies: 1) campus staff, faculty and their families, and students (both commuters and residential); and 2) the general public. University facilities may be designated for sole use by one population, or concurrent use by both populations, at the discretion of the university board with the concurrence of local emergency management agency or the Division. Residential facilities are not normally subject to the EHPA, but incorporation of the criteria into new residential housing or dormitories (or portions thereof) will free up additional hurricane evacuation shelter space for the general public in appropriate non-residential facilities.

#### **4.4 State and Local Public Facilities**

Local public facilities account for about one (1) percent of current public hurricane evacuation shelter capacity. Given their administrative function (and essential emergency function of certain facilities) most state-owned, county-owned and municipally-owned facilities are not appropriate for use as public hurricane evacuation shelters. Administrative office and support areas, data and word processing rooms and areas, record vaults, etc., are exempt from the EHPA. However, certain other types of public facilities may be appropriate, such as community or civic centers, libraries with training or educational rooms, meeting halls, auditoriums, exhibition halls, sports arenas, conference or training centers, and other public assembly facilities.

## **5.0 RECOMMENDED SOURCES OF FUNDING**

School districts have historically reported that the construction cost premium for incorporating the EHPA code provisions can range from less than one (1) to more than 20 percent, though typical cost was about three (3) to nine (9) percent. For most new facilities, this appeared to translate into a construction cost premium of less than \$900,000. These are not necessarily inconsequential costs that must be borne by State and local governments. Therefore, as required by §1013.372(2), F.S., the Division suggests use of existing state capital outlay to fund the additional cost of constructing hurricane evacuation shelters in public schools.

## **6.0 STATEWIDE PROGRESS TOWARD ELIMINATING THE PUBLIC HURRICANE EVACUATION SHELTER SPACE DEFICIT**

The Florida Division of Emergency Management is charged under §252.385, F.S. to administer a statewide program to eliminate the deficit of “safe” hurricane evacuation shelter space. The Division has taken several steps to implement the program. First, by conducting a survey of existing buildings, both public and private, to identify suitable shelter capacity. Second, where cost effective (and practical), support mitigation and retrofitting of facilities to increase shelter capacity. Third, require construction of new educational facilities to meet the EHPA code provisions. Fourth, conduct research to clearly identify demand. And fifth, improve public information/education to reduce shelter demand from evacuees not required to evacuate or “shadow” evacuations.

Since 1995, the Division has been performing a survey of existing designated and potential hurricane evacuation shelters. The initial findings of the survey were not encouraging. The vast majority of the designated hurricane evacuation shelters were in buildings that did not appear to meet the intent of ARC 4496 hurricane safety criteria. As examples, the pre-survey designated hurricane evacuation shelters rarely had adequate (if any) window protection (83 percent without protection), and were often constructed to old wind codes with long span roofs (41 percent with long span) and unreinforced masonry walls (43 percent with unreinforced masonry). The initial results of the survey began, for the first time, to quantify the actual condition of Florida’s public hurricane evacuation shelter inventory, instead of relying on anecdotal concerns that had been expressed for more than 20 years. However, during the survey process, hundreds of thousands of spaces were identified that only required minor retrofitting (e.g., window and door protection) to meet the ARC 4496 criteria.

Between 1995 and 2000, the reported hurricane evacuation shelter space deficit increased considerably; from about 361,000 spaces in 1996 to more than 1.5 million in 2000. During this time-frame, less than 200,000 hurricane evacuation shelter spaces that met minimum hurricane evacuation shelter safety criteria could be documented. The spaces that could be documented were located primarily in the southeastern and east-central coastal regions of the state. This capacity was principally the result of post-Hurricane Andrew federal Hazard Mitigation Grant Program (HMGP) funding of public school window protection projects. Other than federal HMGP funds, no significant source of funding had been identified to support the minor retrofit projects being documented during the survey process.

Concurrently, §235.26(9)(a), F.S. (superseded by §1013.372(1), F.S.) stated that all new educational facilities for which a design contract was entered into after July 1, 1995 were required to incorporate the public shelter design criteria. However, the criteria did not become effective until April 28, 1997. It is not unusual for there to be a three-year delay between promulgation of a building code (or rule) and availability of the first group of compliant facilities. Therefore, minimal progress was made prior to 2000 via construction of new public schools to the EHPA code provisions.

By 2000, the reported hurricane evacuation shelter space deficit peaked as the strategy originally directed by Chapter 93-211, Laws of Florida, began to produce results. As a benchmark, the 2000 Plan reported that Florida had a statewide hurricane evacuation shelter space deficit of more than 1.5 million spaces. This reported deficit affected every region of the state, but especially the southern and central regions of the peninsula. This did not imply that in any given storm that 1.5 million evacuees would simultaneously seek public shelter, but reflected the State's cumulative hurricane evacuation shelter space deficit. State and local emergency managers and other public officials prefer that persons ordered to evacuate for a hurricane stay within their home county or region, and not evacuate long distances. The 2000 Plan's published statewide and regional deficits served to quantify the challenge that lay ahead.

In 1999, the State Legislature appropriated more than \$2.2 million to support a hurricane evacuation shelter retrofitting initiative. The appropriation stipulated that the funds be used to shutter school buildings for use as hurricane evacuation shelters. The Division used the *1999 Shelter Retrofit Report* to identify and prioritize projects to receive the funds. A total of 58 projects were selected, which created an estimated 34,928 spaces. In 2000, the State Legislature appropriated an additional \$18 million (combined Federal, State and local funds) to complete the projects listed in the *1999 Shelter Retrofit Report*. The 2000 appropriation included funds from the Hurricane(s) Floyd and Irene (Federal HMGP declaration), which were earmarked to support the state's effort to reduce the deficit of hurricane evacuation shelter space.

Since 1995, through Federal, State, and local retrofitting of appropriate facilities, Florida has created a total of 464,500 public hurricane evacuation shelter spaces. The "Retrofitted / Mitigated Capacity Gained" column of Table 6-1 demonstrates county-by-county progress toward eliminating the hurricane evacuation shelter space deficit by retrofitting appropriate facilities to meet ARC 4496. Retrofitted facilities account for about 45 percent of the state's total capacity of ARC 4496 hurricane evacuation shelter spaces. The majority of this retrofit capacity has been created since 1999. Though regions and counties with the greatest deficits received priority for available retrofit funds, there has been a more widespread distribution of the retrofit funds due to the statewide nature of the deficit. Some of the retrofitted facilities have less than preferred mass care characteristics (e.g., inconveniently located toilet facilities, etc.), but the retrofit program produced a rapid improvement in the safety of Florida's hurricane evacuation shelter inventory.

Creation of hurricane evacuation shelter capacity through construction of new school facilities to the EHPA criteria has also increased since 1999. Local emergency management and school board officials have reported that 465,675 EHPA shelters spaces have been created. The "EHPA Capacity Gained" column of Table 6-1 demonstrates county-by-county progress toward eliminating the hurricane evacuation shelter space deficit via EHPA construction. The application of the EHPA criteria has been inconsistent across the state, with several counties reporting construction of relatively few (if any) EHPA spaces. EHPA spaces account for about 45 percent of the state's total capacity of ARC 4496 hurricane evacuation shelter spaces.

Some 109,293 spaces were identified through surveys as meeting ARC 4496 guidelines (“As-Is”) without further need for retrofitting. These facilities, however, do not necessarily meet all the EHPA code requirements. These As-Is or Pre-Mitigation ARC 4496 spaces account for about 10 percent of the state’s total spaces.

<b>TABLE 6-1 Hurricane Evacuation Shelter Spaces Identified Since 1995 (1)</b>				
<b>Totals Per County</b>	<b>As-Is or Pre-Mitigation ARC 4496 Capacity (persons)</b>	<b>EHPA 2018 Capacity Gained (persons)</b>	<b>Retrofitted / Mitigated Capacity Gained (persons)</b>	<b>Total 2018 ARC 4496 Spaces</b>
<b>ALACHUA</b>	1,050	1,600	9,867	<b>12,517</b>
<b>BAKER</b>	203	306	3,029	<b>3,538</b>
<b>BAY</b>	329	956	14,944	<b>16,229</b>
<b>BRADFORD</b>	0	161	2,260	<b>2,421</b>
<b>BREVARD</b>	1,566	12,063	28,665	<b>42,294</b>
<b>BROWARD</b>	500	60,004	0	<b>60,504</b>
<b>CALHOUN</b>	90	1,058	1,848	<b>2,996</b>
<b>CHARLOTTE</b>	0	0	0	<b>0</b>
<b>CITRUS</b>	0	208	3,647	<b>3,855</b>
<b>CLAY</b>	0	3,776	5,711	<b>9,487</b>
<b>COLLIER</b>	0	0	5,784	<b>5,784</b>
<b>COLUMBIA</b>	0	3,609	1,717	<b>5,326</b>
<b>DESOTO</b>	0	151	2,602	<b>2,753</b>
<b>DIXIE</b>	120	2,992	3,818	<b>6,930</b>
<b>DUVAL</b>	8,811	15,341	31,913	<b>56,065</b>
<b>ESCAMBIA</b>	4,388	1,803	20,187	<b>26,378</b>
<b>FLAGLER</b>	21,925	2,707	21,464	<b>46,096</b>
<b>FRANKLIN</b>	0	0	0	<b>0</b>
<b>GADSDEN</b>	0	3,565	2,588	<b>6,153</b>
<b>GILCHRIST</b>	0	0	3,129	<b>3,129</b>
<b>GLADES</b>	0	2,374	1,869	<b>4,243</b>
<b>GULF</b>	232	228	0	<b>460</b>
<b>HAMILTON</b>	0	1,196	119	<b>1,315</b>
<b>HARDEE</b>	139	4,623	0	<b>4,762</b>
<b>HENDRY</b>	939	1,000	4,324	<b>6,263</b>
<b>HERNANDO</b>	911	8,051	506	<b>9,467</b>
<b>HIGHLANDS</b>	2,176	275	6,137	<b>8,588</b>
<b>HILLSBOROUGH</b>	446	64,253	23,839	<b>88,538</b>
<b>HOLMES</b>	0	1,191	179	<b>1,370</b>
<b>INDIAN RIVER</b>	295	0	10,643	<b>10,938</b>
<b>JACKSON</b>	0	3,365	499	<b>3,864</b>
<b>JEFFERSON</b>	0	809	0	<b>809</b>
<b>LAFAYETTE</b>	111	0	647	<b>758</b>
<b>LAKE</b>	1,106	24,546	2,308	<b>27,960</b>
<b>LEE</b>	0	0	500	<b>500</b>



<b>TABLE 6-1 Hurricane Evacuation Shelter Spaces Identified Since 1995 (2)</b>				
<b>Totals Per County</b>	<b>As-Is or Pre-Mitigation ARC 4496 Capacity (persons)</b>	<b>EHPA 2018 Capacity Gained (persons)</b>	<b>Retrofitted / Mitigated Capacity Gained (persons)</b>	<b>Total 2018 ARC 4496 Spaces</b>
<b>LEON</b>	822	1,245	25,065	<b>27,132</b>
<b>LEVY</b>	0	354	5,104	<b>5,458</b>
<b>LIBERTY</b>	0	822	836	<b>1,658</b>
<b>MADISON</b>	0	0	4,236	<b>4,236</b>
<b>MANATEE</b>	0	13,625	3,127	<b>16,752</b>
<b>MARION</b>	629	10,257	7,301	<b>18,187</b>
<b>MARTIN</b>	4,686	10,047	5,847	<b>20,580</b>
<b>MIAMI-DADE</b>	17,733	20,007	50,054	<b>87,794</b>
<b>MONROE</b>	0	0	723	<b>723</b>
<b>NASSAU</b>	0	3,925	1,794	<b>5,719</b>
<b>OKALOOSA</b>	6,454	0	5,121	<b>11,575</b>
<b>OKEECHOBEE</b>	0	1,315	324	<b>1,639</b>
<b>ORANGE</b>	2,055	28,829	475	<b>31,359</b>
<b>OSCEOLA</b>	0	7,160	18,110	<b>25,270</b>
<b>PALM BEACH</b>	1,038	48,355	20,867	<b>70,260</b>
<b>PASCO</b>	166	14,844	5,412	<b>20,422</b>
<b>PINELLAS</b>	11,954	7,472	10,067	<b>29,493</b>
<b>POLK</b>	1,007	33,157	1,416	<b>35,580</b>
<b>PUTNAM</b>	0	1,271	3,495	<b>4,766</b>
<b>SAINT JOHNS</b>	6,517	4,811	6,299	<b>17,627</b>
<b>SAINT LUCIE</b>	3,584	4,388	9,413	<b>17,385</b>
<b>SANTA ROSA</b>	704	5,471	6,832	<b>13,007</b>
<b>SARASOTA</b>	1,278	5,019	2,243	<b>8,540</b>
<b>SEMINOLE</b>	1,087	1,206	29,134	<b>31,426</b>
<b>SUMTER</b>	367	200	719	<b>1,286</b>
<b>SUWANNEE</b>	0	3,484	50	<b>3,534</b>
<b>TAYLOR</b>	0	0	4,144	<b>4,144</b>
<b>UNION</b>	0	54	2,341	<b>2,395</b>
<b>VOLUSIA</b>	2,614	8,878	12,677	<b>24,169</b>
<b>WAKULLA</b>	0	800	0	<b>800</b>
<b>WALTON</b>	1,262	5,269	2,766	<b>9,297</b>
<b>WASHINGTON</b>	0	1,199	3,766	<b>4,965</b>
<b>Grand Totals</b>	<b>109,293</b>	<b>465,675</b>	<b>464,500</b>	<b>1,039,468</b>

Through research Florida has been able to increase its understanding of shelter demand. By more accurately identifying demand the State is able to plan for anticipated need thus reducing its hurricane shelter deficit. Through the technologies applied to this effort, such as LiDAR, and improved SLOSH computer models, the Division is able to more precisely determine which areas are vulnerable to hurricane storm surge. These improved techniques are the results of the 2010 SRES. In the past, studies were conducted only regionally and sporadically when funding was available. Methodologies varied to meet the needs at the time. As of 2010, all RPC regions are held to a statewide methodology statutorily mandated in §163.3178(2)(d)F.S.

Historically, 25 percent or more of the estimated evacuating population were projected to seek safety in public shelters. Many of the post-1998 Hurricane Evacuation Studies, including the 2010 Behavioral Data from the SRES, are now indicating that fewer than 15 percent of the vulnerable population will seek public shelter for a Category 5 hurricane.

The 2004 hurricane season provides an example of relatively low public shelter use. Though none of the storms made landfall as a Category 5 hurricane, two storms approached Florida at near Category 5 strength before making landfall as a Category 3 and 4; Hurricane Ivan and Hurricane Charley respectively. During Hurricane Ivan, an estimated 544,900 persons were under evacuation orders and only 33,472 evacuees were housed in public shelters (6 percent). During Hurricane Charley, although it rapidly intensified only a few hours before landfall, there were an estimated 2.7 million persons under evacuation orders and only 102,094 evacuees were housed in public shelters (3.75 percent). While these examples alone are not evidence of a decrease in demand, they do show that under many circumstances public shelter demand is lower.

In 2017, Hurricane Irma resulted in 54 of 67 counties ordering evacuations. Approximately 3.8 million people were under evacuation orders but the shadow evacuation raised estimates to 6.8 million evacuees. Approximately 200,000 sheltered across the state.

Since publication of the 2000 Plan, the statewide average estimated demand has fallen from about 24 percent to about eight (8) percent. The practical effect is an apparent statewide reduction in hurricane shelter space demand since 2000, which has resulted in a general decrease in the need to invest public funds to create the additional “bricks-and-mortar” shelter spaces.

The Division has also developed a public information program to compliment the other hurricane evacuation shelter deficit reduction efforts. The Division educates residents on the hazards they face and how to best deal with them. A key issue is whether or not to evacuate and, if so, to where. Education on the hazards and how they affect a community lead to residents making better-informed decisions in a crisis. That effort is being supported by public service announcements, hurricane expositions, training of local responders and volunteers, and through emergency messages during times of crisis. This is expected to be a long-term process that will help to reduce the need for public hurricane evacuation shelter space.

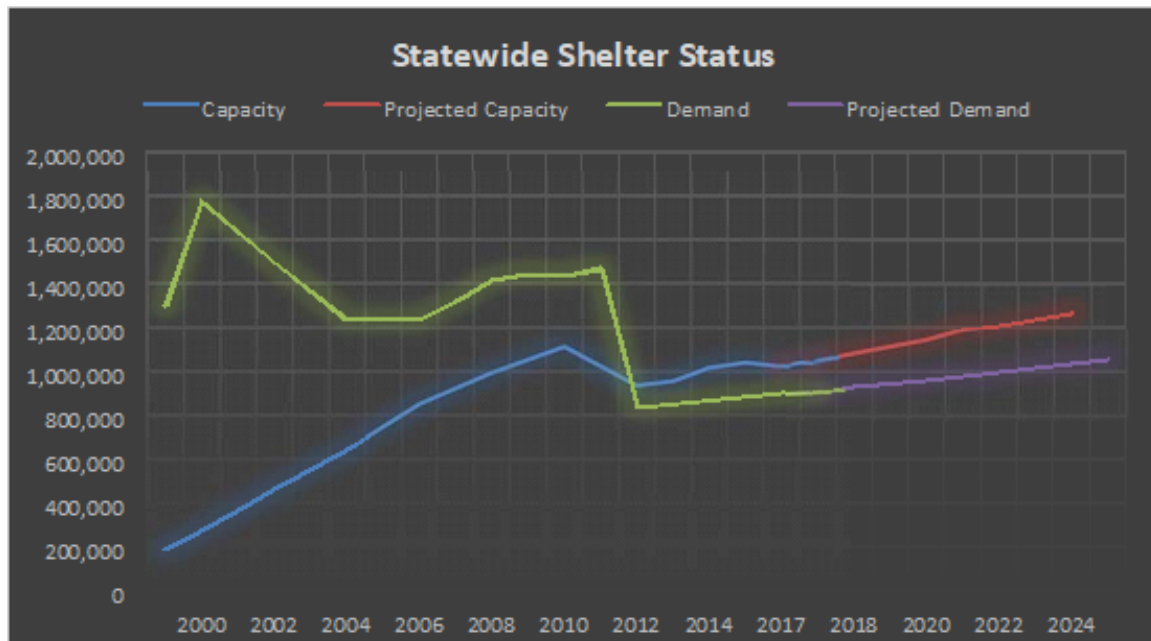
As seen in Table 6-1, since 1999 the Division’s hurricane evacuation shelter survey and retrofit program has identified, created or otherwise documented 573,793 hurricane evacuation shelter spaces that meet ARC 4496 guidelines. Public school new construction programs have created an additional 465,675 hurricane evacuation shelter spaces. Therefore, Florida will have a total of 1,039,468 shelter spaces that meet ARC 4496 guidelines in 2018.

The demand for hurricane evacuation shelter space has also been significantly reduced over the past fourteen years due to improvements in public information, storm hazard models and more accurate census data. Since 2000, Florida’s deficit of hurricane evacuation shelter space has been eliminated on a statewide aggregate basis. However, individual regions remain in a hurricane evacuation shelter space deficit.

With publication of this Plan, Florida now has 43 counties with sufficient capacity of GP hurricane evacuation shelter space. The counties with sufficient GP space include: Alachua, Baker, Bay, Bradford, Brevard, Broward, Calhoun, Columbia, Dixie, Duval, Escambia, Flagler, Gadsden, Gilchrist, Glades, Hamilton, Hardee, Hendry, Hillsborough, Holmes, Indian River, Jackson, Jefferson, Lafayette, Lake, Leon, Levy, Liberty, Madison, Martin, Nassau, Okaloosa, Orange, Osceola, Palm Beach, Saint Johns, Saint Lucie, Santa Rosa, Seminole, Taylor, Union, Walton, and Washington.

There are fewer counties, 30, with a sufficient capacity of SpNS hurricane evacuation shelter space. The counties with a sufficient capacity of SpNS space include: Baker, Brevard, Broward, Citrus, Clay, Columbia, DeSoto, Escambia, Flagler, Gilchrist, Glades, Hamilton, Hardee, Hernando, Hillsborough, Indian River, Lafayette, Leon, Levy, Manatee, Martin, Miami-Dade, Osceola, Pasco, Putnam, Saint Johns, Santa Rosa, Union, Volusia and Washington.

**Figure 6-1. Projected Hurricane Shelter Deficit Reduction**



## 7.0 CONCLUSIONS

As a result of Hurricane Andrew and the Lewis Commission Report, the State of Florida recognized the necessity of providing safe hurricane evacuation shelter space for its residents during disasters. In support of this goal, the Division, every two years, submits to the Governor and Cabinet, the *Statewide Emergency Shelter Plan*. The Plan identifies the general location and square footage of existing GP and SpNS by RPC region, and needed GP and SpNS space during the next five (5) years. The Plan also includes information on the availability of shelters that accept pets. The Department of Health assisted the Division in determining the estimated need for SpNS hurricane evacuation shelter space.

The 2018 Plan shows that Florida on a statewide aggregate basis has eliminated the deficit GP public hurricane evacuation shelter space. However, a deficit of SpNS spaces continues to exist. Since 1995, more than 1,039,468 hurricane evacuation shelter spaces have been identified, created through retrofitting of existing buildings, or through new construction (e.g., EHPA). As the Division continues to study the trends in evacuating behavior, it is estimated that Florida's public hurricane evacuation shelter demand will continue to be reduced statewide. Since 2004, Florida's statewide aggregate public hurricane evacuation shelter space demand has been reduced to 959,397. In contrast, there was an estimated hurricane evacuation shelter demand of 1,776,606 shelter spaces in 2000.

However, there are still three (3) regions of the state that currently have a deficit of GP hurricane evacuation shelter space. Nine (9) regions currently have deficits of SpNS space. Regions that currently have an adequate number of hurricane evacuation shelter spaces will need to maintain the inventory. Over time, current hurricane evacuation shelter buildings may (or will) be decommissioned due to age and other issues; such as, remodeling or reuse that's incompatible with mass care shelter operations, removal or deterioration of window protection products; etc. There may also be changes in storm hazard maps (e.g., SLOSH, national flood insurance maps, etc.) that could affect their recognition as meeting hurricane safety criteria. Thus, even though the aggregate statewide deficit of GP space has been eliminated in the 2018 Plan, a "maintenance level" of shelter space production will be necessary to avoid falling back into a deficit situation.

## **Appendix A**

*List of Hurricane Evacuation Shelters by County, Location and Capacity*

**2018 Statewide Emergency Shelter Plan**

**ALACHUA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Archer Community School	6 Cafeteria	14533 SW 170 Street	Archer	32618	R	211	4,221	0	S-1621X	Surveyed 2014
Alachua County Community Support Services	1 Main Building	218 SE 24th Street	Gainesville	32641		231	4,620	0		Built 2001. LRDM Surveyed 2015. Retrofit 2017;17-SR-3D-03-11-02-
Chiles (Lawton M) Elementary	1 Admin / Classroom	2525 School House Road	Gainesville	32608	R	666	13,320		S 12/13 2624	Built 1999. Retrofit 2015
Chiles (Lawton M) Elementary	2 Classroom	2525 School House Road	Gainesville	32608	R	589	11,780		S 12/13 2624	Built 1999. Retrofit 2015
Chiles (Lawton M) Elementary	3 Cafeteria	2525 School House Road	Gainesville	32608	R	266	5,320		S 12/13 2624	Built 1999. Retrofit 2015
Eastside HS	15 Classroom	1201 SE 45th Terrace	Gainesville	32641	R	673	16,834	501	S-1508-2005	8-31-06 retrofitted Surveyed 2014
Easton-Newberry Sports Complex	1 Main Building	24880 NW 16th Ave	Newberry	32669	R	593	11,860	0	S-1617-2010	2010 retrofitted
High Springs Community School	5 Classroom	1015 N. Main Street	High Springs	32643	R	296	5,920	296	S-1508-2005	Surveyed 2014
Josheph Williams ES	7 Cafeteria	1245 SE 7ty Avenue	Gainesville	32641	R	210	4,196	0	S-1621X	Surveyed 2014
Kanapaha MS	3 Classroom	5005 SW 75th Street	Gainesville	32608	R	467	9,332	407	S-1508-2005	8-31-06 retrofitted. Surveyed 2014
Kanapaha MS	3 Halls	5005 SW 75th Street	Gainesville	32608		0	0	0		
Kanapaha MS	4 Classroom	5005 SW 75th Street	Gainesville	32608	R	450	8,995	405	S-1508-2005	8-31-06 retrofitted. Surveyed 2014
(Sidney) Lanier Center	11 CR	312 NW 16 <sup>th</sup> Ave	Gainesville	32601	R	552	11,040			Retrofit will complete 2018
(Sidney) Lanier Center	12 Gym	312 NW 16 <sup>th</sup> Ave	Gainesville	32601	R	408	8,166			Retrofit will complete 2018
Meadowbrook ES	1 Media / ClsRm	11525 NW 39th Avenue	Gainesville	32606	N	900	18,000	405	L	Completed Sept. 2012 EHPA
MLK Center	gym		Gainesville		R	400	8,000			Retrofit 2018
Oakview MS	3 Classroom	701 N Main Street	Newberry	32669	R	447	8,935	405	S-1508-2005	8-31-06 retrofitted. Surveyed 2014
Oakview MS	4 Classroom	701 N Main Street	Newberry	32669	R	457	9,148	405	S-1508-2005	8-31-06 retrofitted. Surveyed 2014
Chester Shell ES	2 Cafeteria	21633 SE 65h Avenue	Hawthorne	32640	R	184	3,681	214	S	Surveyed 2014
Santa Fe HS	34 Classroom	16213 NW US HWY 441	Alachua	32615	N	546	10,919	527	L	Only East part of building is EHPA, Surveyed 2014
University of Florida	110 Steinbrenner Hall (1st Floor)	3150 Hull Road	Gainesville	32611	R	163	3,261	0	S	Built 2007. Surveyed 12 / 2014
University of Florida	316 Southwest Rec Center	3150 Hull Road	Gainesville	32611	R	1,837	36,737	0	S	Built 1997 & 2010 additions -2001 updates. Surveyed 2014
University of Florida	484 Straughn IFAS Extension (1st Floor)	3150 Hull Road	Gainesville	32611	R	118	2,360	0	S	Built 2011. Surveyed 12 / 2014
University of Florida	686 Reitz Union	686 Museum Road	Gainesville	323611	R	699	13,971	0	S	Built 1995. LRDM Survey 2014.
Waldo Community School	6 Classroom	150 NW Line Avenue	Waldo	32694	R	362	5,567	0	S-1621X	Surveyed 2014
William S Talbot ES	3 Cafeteria	5701 NW 3rd Str	Gainesville	32608	R	172	3,789	172	S-1508-2005	8-31-06 retrofitted
<b>TOTALS FOR ALACHUA COUNTY</b>						<b>11,896</b>	<b>239,972</b>	<b>3,737</b>		

**2018 Statewide Emergency Shelter Plan**

**ALACHUA**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)		SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	11,896	11,864	32	239,972		2,692	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>										
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Alachua ES	6 Classroom	13800 NW 152 Place	Alachua	32615	N	115	6,920	0		Built 9-2008. Surveyed 2014; not on county plan
FW Buchholz Senoir HS	8 Clsrm (1st flr)	5510 NW 27th Avenue	Gainesville	32606	R	231	15,569	231	S-1508-2005	8/31/06-retrofitted. Surveyed 2014. Pending 600 KW generator (DOH)
Gainesville Senior Center	Main Building	5701 NW 34th St.	Gainesville	32653	R	233	7,330	233	S	Built 2011. 2015=14-SR-94-03-11-02-492
Marjorie K Rawlings ES	4 / Café	3500 NE 15th Street	Gainesville	32609	N	69	4,145	120		Emergency Power/No HVAC (DOH)
Westwood MS	18 Cafeteria	3215 NW 15th Avenue	Gainesville	32605	N	85	3,403	120		Surveyed 2014
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)		SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	733	1,200	-467	37,367		-34,633	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**BAKER**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Baker MS	19 Vocational Classroom	211 E. Jonathan Street	Macclenny	32063	R	G	30	595	0	1621X	Updt 2016 LRDM
Baker MS	20 Classroom	211 E. Jonathan Street	Macclenny	32063		G	835	33,428	0	1621X	updt 2016 LRDM EHPA
Baker SHS	14	1 Wildcat Drive	Glen Saint Mary	32040	R	G	0	0	0	1621X	
Baker SHS	15	1 Wildcat Drive	Glen Saint Mary	32040	R	G	285	5,712	0	1621X	
New Macclenny Elementary	A-cafeteria	1 Wildkitten Drive	Macclenny	32063	N	G	306	6,215	306	L	EHPA
New Macclenny ES AKA Primary School	B	1 Wildkitten Drive	Macclenny	32063	N	G	296	6,327	296	HB7121	EHPA
New Macclenny ES	C	1 Wildkitten Drive	Macclenny	32063	N	G	258	6,217	239	HB7121	EHPA
New Macclenny ES	D	1 Wildkitten Drive	Macclenny	32063	N	G	309	6,187	309	HB7121	EHPA
New Macclenny ES	E	1 Wildkitten Drive	Macclenny	32063	N	G	309	6,217	309	HB7121	EHPA
New Macclenny ES	F	1 Wildkitten Drive	Macclenny	32063	N	G	245	6,127	216	HB7121	EHPA
Pre K School	1	366 S Boulevard E	Macclenny	32063	N						
Pre K School	2	367 S Boulevard E	Macclenny	32063	N						
Pre K School	3	368 S Boulevard E	Macclenny	32063	N						
Pre K School	4	369 S Boulevard E	Macclenny	32063	N						
Pre K School	5	366 S Boulevard E	Macclenny	32063	N						
J Franklin Keller	18	420 S 8 St	Macclenny	32063			124	2,499			
J Franklin Keller	19	420 S 8 St	Macclenny	32063			0	0	0		
Phoenix Center	Center	523 W. Minnesota Ave	Macclenny	32063	R	G	207	4,140	0	1621X	
Westside ES	7	One Panther Circle	Glen Saint Mary	32040	R	G	285	5,706	0	1621X	
<b>Totals for Baker County</b>							<b>3,459</b>	<b>88,775</b>	<b>1,675</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIENT/ Deficit (ft2)	RESULT
	3,459	2,618	841	88,775	36,415	SUFFICIENT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Comments
Ed Frasier Memorial Hospital		159 North 3rd Street	Macclenny	32063-2103		P	79		79	Built 1997. LRDM by PBSJ 2005 per letter 6/7/16 Bek Parker



2018 Statewide Emergency Shelter Plan

**BAKER**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
Storm Category 4/5	79	79	0	4,740			0	SUFFICIENT			

**2018 Statewide Emergency Shelter Plan**

**BAY**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bay County Sheriff Office	1	3421 Highway 77	Panama City	32404	R	G, A	494	9,880	494	S	FY 11/12 -1515A Completed 2015
Bay High School	7 Dining	1204 Harrison Avenue	Panama City	32405	R	G, A	907	13,609	967		
Bozeman Learning Center	1 Admin / Clinic	13410 SR 77	Southport	32409	R	G, A	267	5,340	267		
Bozeman Learning Center	2 Classroom	13410 SR 77	Southport	32409	R	G, A	436	6,541	587	HMGP	
Bozeman Learning Center	3 Classroom	13410 SR 77	Southport	32409	R	G, A	526	7,894	641		
Bozeman Learning Center	4 Classroom	13410 SR 77	Southport	32409	R	G, A	580	9,401	580	HMGP	
Bozeman Learning Center	5 Classroom	13410 SR 77	Southport	32409	R	G, A	686	11,518	686	HMGP	
Bozeman Learning Center	6 Music	13410 SR 77	Southport	32409	R	G, A	319	4,791	604	HMGP	
Bozeman Learning Center	7 Classroom	13410 SR 77	Southport	32409	R	G, A	510	7,647	826	L	waived by county
Callaway Elementary School		7115 State Road 22	Callaway	32404	R	G, A					
Cedar Grove Admin / EOC	1	2728 E. 14th Street	Cedar Grove	32401	R	G, A	0	0	0	F	HMGP
Cedar Grove ES	12 Classroom	2826 East 15th Street	Panama City	32405	R	G, A	306	4,865	306	HMGP	
Cedar Grove ES	13 Music	2826 East 15th Street	Panama City	32405	R	G, A	142	2,137	206	HMGP	
Cedar Grove PD	2	2728 E. 14th Street	Cedar Grove	32401	R	G, A	0	0		F	HMGP
Emerald Bay Academy		1515 June Ave	Panama City	32401	N	G, A	0	0		HMGP	
Everitt MS	10CR	608 School Avenue	Panama City	32401	R	G, A	329	6,580	0	SR	Retrofit to be completed 2018
Highland Park Elementary School		2507 E Baldwin Road	Panama City	32405	R	G, A	0	0		HMGP	
Fairgrounds	25		Panama City		R	G, A	1,671	33,420	0	HB7121	
Haney Votech	24		Panama City		R	G, A	300	6,000	0	HB7121	
Jinks JrHS	6	600 West 11th Street	Panama City	32401	R	G, A	125	2,769	125	HMGP	
Jinks JrHS	10	600 West 11th Street	Panama City	32401	R	G, A	76	1,836	76	HMGP	
Merriam-Cherry St. ES	11 Multi / Dining	1125 Cherry Street	Panama City	32401	N	G, A	253	5,054	0	L	EHPA-per county-2007
Merritt Brown Elementary School	4 (first floor)	5601 Merritt Brown Road	Panama City	32404	R	G, A	877	17,538	0	HMGP	two-story
Millville Elementary School		203 N East Avenue	Panama City	32401	R	G, A	0	0	0	HMGP	
MK Lewis center	5	1527 Lincoln Avenue	Panama City	32405	R	G, A	55	1,100	55	L	waived by county
Moore Elementary School	10 or 2	1900 Michigan Avenue	Panama City	32405	R	G, A	168	3,357	0	HMGP	
Moore Elementary School	11 or 3	1900 Michigan Avenue	Panama City	32405	R	G, A	483	9,661	0	HMGP	
Moore Elementary School	12 or 4	1900 Michigan Avenue	Panama City	32405	R	G, A	393	7,862	0	HMGP	
Moore Elementary School	13 or 5	1900 Michigan Avenue	Panama City	32405	R	G, A	46	925	0	HMGP	
Mowat MS	11 Classroom	1903 Hwy 390	Panama City	33444	R	G, A	139	2,782	139	HMGP	
New Horizons Learning Center	2	3100 Minnesota Ave	Panama City	32405	N	G, A	222	4,443	0	L	EHPA per list -2009
Oakland Terrace ES	9 MultiPurpose	2010 W. 12th Street	Panama City	32401	N	G, A	0	0	0		not- EHPA per list-2009
Oakland Terrace ES	13 Classroom	2010 West 12th Street	Panama City	32401	R	G, A	224	3,365	294	HMGP	
Oakland Terrace ES	14 Classroom	2010 West 12th Street	Panama City	32401	R	G, A	258	4,159	258	HMGP	
Parker ES	2 MultiPurpose	640 S. Hwy. 22A	Panama City	32404	N	G, A	180	3,600	0	L	EHPA per list -2009
Pattersen ES	2 Dining	1025 Redwood Avenue	Panama City	32401	R	G, A	0	0	0	F	HB7121
Pattersen ES	16 Classroom	1025 Redwood Avenue	Panama City	32401	R	G, A	265	5,294	0	F	HB7121
Rosenwald JrHS	13 Dining	1310 East 11th Street	Panama City	32401	R	G, A	202	3,493	202		
Rutherford High School	2 (1st flr Hall and Media / Clsrms)	1000 School Avenue	Panama City	32401	R	G, A	237	4,740	237	HMGP	

**2018 Statewide Emergency Shelter Plan**

**BAY**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Rutherford High School	13 Dining	1000 School Avenue	Springfield	32401	R	G, A	552	11,031	0	F	HB7121
Springfield Elementary School	14 Classroom	520 School Avenue	Panama City	32401	R	G, A	245	4,072	245	HMGP	
Springfield Elementary School	15 Classroom	520 School Avenue	Panama City	32401	R	G, A	250	3,746	255	HMGP	
Suffside Middle School	4 Classroom	300 Nautilus Street	Panama City Beach	32407	R	G, A	898	17,965	0	HMGP	
Surfside Middle School	5 Classroom	300 Nautilus Street	Panama City Beach	32407	R	G, A	231	4,619	0	HMGP	
Roberta T. Smith Elementary School	1 Classroom	5044 Tommy Smith Way	Panama City	32404	R	G, A	235	4,708	0	SR	Retrofit to be completed 2018
Roberta T. Smith Elementary School	2 Classroom	5044 Tommy Smith Way	Panama City	32404	R	G, A	400	8,007	0	SR	Retrofit to be completed 2018
Roberta T. Smith Elementary School	3 Classroom	5044 Tommy Smith Way	Panama City	32404	R	G, A	426	8,515	0	SR	Retrofit to be completed 2018
Roberta T. Smith Elementary School	4 Classroom	5044 Tommy Smith Way	Panama City	32404	R	G, A	438	8,764	0	SR	Retrofit to be completed 2018
Waller Elementary School	3 Dining	11332 Hwy 338	Youngstown	32466	R	G, A	82	1,638	0	L	
Waller Elementary School	4 Classroom	11332 Hwy 338	Youngstown	32466	R	G, A	207	4,141	0	L	
Waller Elementary School	5 Classroom	11332 Highway 388	Fountain	32466	R	G, A	288	5,757	0	F	HB7121
<b>TOTALS FOR BAY COUNTY</b>							<b>15,928</b>	<b>294,564</b>	<b>8,050</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIENT/ T/ Deficit (ft2)	RESULT
	15,928	6,443	9,485	294,564	165,704	<b>SUFFICIENT</b>

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source	Comments
Bozeman Learning Center K-7	9 Cafeteria	13410 SR 77	Panama City (Southport)	32409	N	P, A	110	8,277	110	EHPA	600 KW Generator (DOH)
Bozeman Learning Center K-8	8 Gym	13410 SR 77	Panama City (Southport)	32409	N	P, A	191	11,466	191	HMGP / EHPA	600 KW Generator (DOH)
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>301</b>	<b>1,712</b>	<b>-1,411</b>	<b>19,743</b>			<b>-82,977</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**BRADFORD**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bradford MS	6 Music	58 North Orange Street	Starke	32091	R	G	52	1,040	0	1621X	
Bradford MS	7	58 North Orange Street	Srtarke	32091	R	G	218	4,956	0	1621X	
Hampton Elementary School	5	SR 221 and CR 18	Hampton	32044	R	G	124	1,900	0	1621X	
Lawtey Elementary School	6	N Park St and US HWY 301	Lawtey	32058	R	G	173	3,258	173	L, S, HMGP	
South Side Elementary School	10	823 Stanbury St	Starke	32091		P, A	53	3,223	131	L, S, HMGP	Window coverings on site to be installed prior to landfall
Starke Elementary School	2	1000 Weldon St	Starke	32091	R	G	363	5,975	363	L, S, HMGP	
Starke Elementary School	3	1000 Weldon St	Starke	32091	R	G	363	5,975	363	L, S, HMGP	
Starke Elementary School	4 Caf	1000 Weldon St	Starke	32091	R	G	363	5,975	363	L, S, HMGP	
Starke Elementary School	5	1000 Weldon St	Starke	32091	R	G	238	3,937	307	L, S, HMGP	
Starke Elementary School	6	1000 Weldon St	Starke	32091	R	G	313	4,700	352	L, S, HMGP	

**TOTALS FOR BRADFORD COUNTY**

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT
Storm Category 4/5	2,260	1,287	973	40,939	15,199	SUFFICIENT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Comments
Starke Elementary School	3	1000 West Weldon St	Starke	32091		P	95	5,712	95	
Starke Elementary School	4	1000 West Weldon St	Starke	32091		P	66	3,950	66	per State Study

Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT
Storm Category 4/5	161	167	-6	9,662	-358	DEFICIT

2018 Statewide Emergency Shelter Plan

**BREVARD**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Anderson, Hans Christian Elementary School	2 (3,4,5)	3011 S Fiske Blvd	Rockledge	32955	R	G	744	15,803	741	F, S	updated FISH
Apollo Elementary School	2,3,4	3085 Knox McCrea Dr	Titusville	32780	R	G	752	11,940	739	F, S	updated FISH
Astronaut High School	400 wing & 800 wing (1994 areas)	800 War Eagle Blvd	Titusville	32796	R	G	264	6,594	75	S-1118A	updated FISH
Atlantis Elementary	1 thru 6	7300 Briggs Avenue	Port St John	32927	R	G	1,295	26,134	1,252	HMGP	updated FISH
Bayside High School	1	1901 DeGrootd	Palm Bay	32908	R	G	96	1,911	0		updated FISH
Bayside High School	2	1901 DeGrootd	Palm Bay	32908	R	G	128	2,552	0		updated FISH
Bayside High School	3	1901 DeGrootd	Palm Bay	32908	R	G	279	5,584	0		updated FISH
Bayside High School	5	1901 DeGrootd	Palm Bay	32908	R	G	268	5,358	0		updated FISH
Bayside High School	6	1901 DeGrootd	Palm Bay	32908	R	G	1,920	38,393	0		updated FISH
Bayside High School	7	1902 DeGrootd	Palm Bay	32909	R	G	981	19,612	0		updated FISH
Bayside High School	8	1903 DeGrootd	Palm Bay	32909							
Bayside High School	8	1904 DeGrootd	Palm Bay	32909							
Bayside High School	campus	1901 DeGrootd	Palm Bay	32908	N	G	0	0	2,551		updated FISH
Eastern Florida State College - Cocoa	3	1519 Clearlake Drive	Cocoa	32922	R	G	812	16,240	669		increased lab spaces @ college decreased capacity
Eastern Florida State College - Cocoa-Allied Health	20	1519 Clearlake Drive	Cocoa	32922	R	G	675	13,500	731	S-1118A	
Eastern Florida State College - Melbourne	1 (OCC)	3865 N Wickham Road	Melbourne	32935	R	G	600	12,000	830	HMGP	increased lab spaces @ college decreased capacity
Eastern Florida State College - Melbourne	10	3865 N Wickham Road	Melbourne	32935	R	G	175	3,500	40	HMGP	increased lab spaces @ college decreased capacity
Cambridge Elementary School	15	2000 Cambridge Drive	Cocoa	32922	N	G	207	3,471	207	L	per EHPA list
Cambridge Elementary School	16	2000 Cambridge Drive	Cocoa	32922	N	G	206	3,459	206		per EHPA list
Central Middle School	1 thru 6	2600 Wingate Blvd	W Melbourne	32904	R	G	2,139	38,477	796	F, S	
Central Reference Library	1	308 Forrest Ave	Cocoa	32922	R	G	1,088	27,200	750	HMGP	2000 spaces; includes 600 spaces @ 2nd flr
Discovery Elementary School	1	1275 Glendale Ave NW	Palm Bay	32905	R	G	204	4,073	300	HMGP	Orig- 1500 spaces
Discovery Elementary School	2	1275 Glendale Ave NW	Palm Bay	32905	R	G	188	3,757	1,492	HMGP	bldg 1-6 totalled only; updated FISH
Discovery Elementary School	3	1275 Glendale Ave NW	Palm Bay	32905	R	G	287	5,741	0	HMGP	updated FISH
Discovery Elementary School	4	1275 Glendale Ave NW	Palm Bay	32905	R	G	304	6,087	0	HMGP	updated FISH
Discovery Elementary School	5	1275 Glendale Ave NW	Palm Bay	32905	R	G	377	7,542	0	HMGP	updated FISH
Discovery Elementary School	6	1275 Glendale Ave NW	Palm Bay	32905	R	G	238	4,765	0	HMGP	updated FISH
Discovery Elementary School	10	1275 Glendale Ave NW	Palm Bay	32905	N	G	211	4,218	0	L	EHPA; Updated FISH
Eau Gallie High School	22 Auditorium	1400 Commodore Blvd	Melbourne	32935	R	G	677	13,531	0	F, S	updated FISH

**2018 Statewide Emergency Shelter Plan**

**BREVARD**

Eau Gallie High School	37 Science	1400 Commodore Blvd	Melbourne	32935	R	G	0	0	447	not retrofitted	updated FISH
Endeavor Elementary School	13	905 Pineda Street	Cocoa	32922	N	G	450	7,232	450	L	per EHPA list
Enterprise Elementary School	1 thru 6	7000 Enterprise Road	Port St. John	32927	R	G	1,370	28,669	1,311	HMGP	
Heritage High School	3 Dining	2353 West Malabar Rd	Palm Bay	32907	N	G	361	7,211	794	total 3&7	per EHPA list
Heritage High School	7 Gymnasium	2353 West Malabar Rd	Palm Bay	32907	N	G	1,038	20,769	0		per EHPA list
Imperial Estates Elementary School	5 thru 8	5525 Kathy Drive	Titusville	32780	R	G	720	14,028	575	F, S	
John F. Turner Sr. Elementary	2	3175 Jupiter Blvd SE	Palm Bay	32909	N	G	251	5,027	450	total 2&3	per EHPA list
John F. Turner Sr. Elementary	3	3175 Jupiter Blvd SE	Palm Bay	32909	N	G	224	4,483	0		per EHPA list
Jupiter Elementary School	1 thru 6	950 Tupelo Road SW	Palm Bay	32908	R	G	1,258	25,982	1,168	HMGP	
Long Leaf Elementary School	1	4290 N Wickham Road	Melbourne	32935	R	G	1,549	38,727	1,303	F, S	updated FISH
Manatee Elementary School	1	3425 Solerno Blvd	Viera	32940	N	G	1,729	43,237	1,349	L	per ehpa list; updated FISH
Meadowlane Elementary School	1 thru 6	2800 Wingate Blvd	Melbourne	32904	R	G	1,284	24,563	1,264	total 1-6	
Meadowlane Intermediate ES	1 Classroom (1st & 2nd flr)	2700 Wingate Blvd	Melbourne	32904	N	G	2,183	14,080	1,324	L	
Mims Elementary School	13 (new wing)	2582 US 1	Mims	32754	N	G	338	7,227	339	L	EHPA
Palm Bay Senior High	8 Dining	101 Pirate Lane	Melbourne	32901	N	G	227	4,536	0		per EHPA list; updated FISH
Palm Bay Regional Park	1	1951 NW Malabar Rd	Palm Bay	32907	N	G, A	509	10,180	474		Feb 09 completed-per county.
Pinewood Elementary School	4	3654 Lionel Road	Mims	32754	R	G	381	9,518	360	F, S	updated FISH
Port St. John Community Center	Center	6650 Corto Rd	Port St John	32927	R	A	300	4,962	260	HMGP	Orig - 600
Riviera Elementary School	1 thru 6	351 Riviera Drive NE	Palm Bay	32905	R	G	1,106	27,650	981	HMGP	updated FISH
Rockledge High School	1,2,8,9	220 Raider Drive	Rockledge	32955	R	G	504	12,603	463	HMGP	Orig- 500 spaces
Roy Allen ES	6	2601 Fountianhead	Melbourne	32909	N	G	1,235	30,871	1,215	L	per EHPA list; updated FISH
Sherwood Elementray School	1	2541 Post Road	Melbourne	32935	R	P	1,511	37,780	1,288	F, S	updated FISH
South Mainland (Micco)	Gym	3700 Allen Avenue	Micco	32976	N	P	0	0	453	HMGP	Orig- 650
South Mainland (Micco)	Main (1)	3700 Allen Avenue	Micco	32976	R	G	173	3,000	0	HMGP	updated FISH
Southwest Junior High School		451 Eldron Blvd SE	Palm Bay	32909		G	0	0	750		
Space Coast Jr/Sr HS	11 (Music)	6150 Banyan Street	Port St John	32927	R,N	G	308	6,150	300	F, S	EHPA
Space Coast Jr/Sr HS	1st floor (100-400)	6150 Banyan Street	Port St John	32927	R	G	675	12,000	675	F, S	updated FISH
Space Coast Jr/Sr HS	2nd floor (500-800)	6150 Banyan Street	Port St John	32927	R	G	600	12,000	600	S-1588-2006	updated FISH
Suntree Elementary School	1 thru 6	900 Pinehurst Avenue	Melbourne	32940	R	G	1,061	26,534	907	HMGP	updated FISH
Viera Regional Park	1	2300 Judge Fran Jamieson Way	Viera	32940	N	G, A	0	0	474		
Viera High School	2	6103 Stadium Parkway	Viera	32940	N	G	1,088	21,752	1,100	tot 2&6	per EHPA list
Viera High School	6	6103 Stadium Parkway	Viera	32940	N	G	627	12,549	0		per EHPA list
Walter Butler Community Center	1	Ferguson Lane	Sharpes	32959	N	G	0	0	474		
Westside Elementary School	1	2175 DeGrootd Rd SW	Palm Bay	32908	R	G	1,526	38,160	1,308	S-1118A	updated FISH
Westside Elementary School	4 (2005)	2175 DeGrootd Rd SW	Palm Bay	32908	R	G	263	5,267	0		updated FISH

**TOTALS FOR BREVARD COUNTY**      **39,964**      **818,189**      **34,235**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			Sufficient/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>39,964</b>	<b>31,469</b>	<b>8,495</b>	<b>818,189</b>			<b>188,809</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

2018 Statewide Emergency Shelter Plan

**BREVARD**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Oak Park ES (Prio 4)	total of:	3395 Dairy Road	Titusville	32796	R	P	300	11,981	333		Calculated @ 40 SqFt / person
Oak Park ES	2 Classroom	3395 Dairy Road	Titusville	32796	R	P					2011 LRDM
Oak Park ES	5 Classroom	3395 Dairy Road	Titusville	32796	R	P					2011 LRDM
Oak Park ES	6 Music	3395 Dairy Road	Titusville	32796	R	P					2011 LRDM
Oak Park ES	7 Classroom	3395 Dairy Road	Titusville	32796	R	P					2011 LRDM
Oak Park ES	8 Classroom	3395 Dairy Road	Titusville	32796	R	P					2011 LRDM
Quest ES	1	8751 Trafford Drive	Melbourne	32940	N	P	531	42,509	375		Gen: HB 7121 EHPA
Ralph Williams ES	Main	1700 Clubhouse Drive	Rockledge	32955	N	P	474	37,918	375		Gen: HB7121 Primary
South Mainland (Micco)	Gym	3700 Allen Avenue	Micco	32976	R	P	400	24,000	400		Generator completed Jan 1, 2008. Primary (DOH)
Sunrise ES	Main	1651 Mara Loma Blvd SE	Palm Bay	32909	N	P	375	21,960	375		Gen: HB7121 EHPA
Max K. Rodes Community Center	1-1st floor	34410 Flanagan Ave, West	Melbourne	32904	N	P	250	15,000	250		Local gen tax EHPA-type construction
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>2,330</b>	<b>2,090</b>	<b>240</b>	<b>139,800</b>			<b>14,400</b>	<b>SUFFICIENT</b>			

**2018 Statewide Emergency Shelter Plan**

**BROWARD**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Atlantic Technical Center, Arthur Ashe Jr. Campus	1	1701 NW 23 Avenue	Ft. Lauderdale	33311	N	G	1,200	22,642	941	L	primary; Updated FISH
Beachside Montessori Village	1	2230 Lincoln Street	Hollywood	33020	N	G	1,060	5,981	1,060	L	secondary
Challenger Elementary	1	5700 NW 94 Avenue	Tamarac	33321	N	G, A	1,928	48,207	395	L	primary, responders; updated FISH, Alternate Pet Friendly shelter
Coconut Palm Elementary	1	13601 Monarch Lakes Blvd	Miramar	33027	N	G	1,839	45,982	1,214	L	secondary; updated FISH
Coral Cove Elementary	1	5100 SW 148 Avenue	Miramar	33027	N	G	800	16,000	1,289	L	tertiary ;updated FISH
Coral Glades High School	3	2700 Sports Plex Drive	Coral Springs	33065	N	G	1,800	33,916	1,153	L	Updated FISH
Dolphin Bay Elementary	1	16450 Miramar Parkway	Miramar	33027	N	G	815	16,300	1,268		Updated FISH
Everglades Elementary	1	2900 Bonaventure Blvd	Weston	33331	N	G	1,830	45,745	1,214	L	secondary; updated FISH
Everglades High School	2	17100 SW 48th Ct	Miramar	33027	N	G	1,817	45,434	1,122	L	primary; Updated FISH
Falcon Cove Middle School	2	4251 Bonaventure Blvd	Weston	33332	N	G	1,200	24,508	998	L	primary; Updated FISH
Floranda Elementary School	1	5251 NE 14th Way	Ft. Lauderdale	33334	N&R	G	800	16,000	395	L	tertiary-partial EHPA; retrofit in contracting to increase spaces; expected completion Dec 2018
Fox Trail Elementary School	1	1250 Nob Hill Road	Davie	33324	N	G	1,911	47,778	1,259	L	primary; Updated FISH
Gator Run Elementary	1	1101 Arvida Parkway	Weston	33327	N	G	1,830	45,741	1,214	L	secondary; updated FISH
Hallandale Elementary	1	900 SW 8th St	Hallandale	33009	N	G	1,310	32,746	309	L	tertiary; updated FISH
Lakeside Elementary School	1	900 NW 136 Avenue	Pembroke Pines	33026	N	G	1,868	46,697	2,091	L	secondary; updated FISH
Liberty Elementary	1	2450 Banks Rd.	Margate	33063	N	G	1,843	46,067	1,254	L	tertiary; updated FISH
Lyons Creek Middle School	3	4333 Sol Press Blvd	Coconut Creek	33073	N	G	2,158	53,951	998	L	primary; Updated FISH
Manatee Bay Elementary	1	19200 SW 36 Street	Weston	33331	N	G	1,837	45,934	1,254	L	tertiary; updated FISH
Millennium MS	3 (PF#2)	5803 NW 94th Avenue	Tamarac	33321	N	G, A	825	16,492	325	L	primary, Pet friendly-not EHPA Existing Data 2010 SESP
Monarch High School	4	5050 Wiles Rd	Coconut Creek	33063	N	G	1,452	21,782	950	L	primary; Updated FISH
New Renaissance Middle	3	10701 Miramar Blvd.	Miramar	33025	N	G	1,200	23,623	817	L	Updated FISH
Orange Brook ES	16	715 S. 46th Avenue	Hollywood	33021	N	G	815	16,300	1,294	L	tertiary; updated FISH
Panther Run Elementary School	1	801 NW 172 Avenue	Pembroke Pines	33328	N	G	1,915	47,887	1,259	L	tertiary; updated FISH
Park Lakes Elementary	1	3925 N. State Rd. 7	Lauderdale Lakes	33309	N	G	1,907	47,676	1,259	L	primary; Updated FISH
Park Trails Elementary	1	10700 Trails End	Parkland	33076	N	G	1,940	48,509	395	L	tertiary; updated FISH
Parkside Elementary School	1	10257 NW 29th Street	Coral Springs	33065	N	G	1,214	24,273	1,214	L	secondary; updated FISH 15.6' per SLOSH
Pines MS	11	200 NW Douglas Road	Pembroke Pines	33024	N	G	1,210	24,200	388	L	tertiary; updated FISH
Plantation Elementary	1	651 NW 42nd Avenue	Plantation	33317	N	G	1,907	47,676	395	L	primary; Updated FISH
Pompano Beach High School	10	700 NE 13th Avenue	Pompano Beach	33060	N	G	1,800	36,000	268	L	primary; Existing 2010 SESP Data
Rock Island Elementary	1	2350 NW 19th Street	Ft. Lauderdale	33311	N	G	800	16,000	396		primary; Updated FISH
Silver Lakes Elementary School	1	2300 SW 173 Avenue	Miramar	33027	N	G	1,925	48,118	395	L	tertiary; updated FISH
Silver Palms Elementary School	1	1209 NW 155th Avenue	Pembroke Pines	33029	N	G	1,863	46,566	2,091	L	secondary; updated FISH
Silver Shores Elementary	1	1701 SW 160 Avenue	Miramar	33027	N	G	1,836	45,892	1,254		tertiary; updated FISH
Silver Trail Middle School	1	18300 Sheridan Street	Pembroke Pines	33331	N	G	1,200	25,014	925	L	primary; Temporarily out of service for roof repair



**2018 Statewide Emergency Shelter Plan**

**BROWARD**

Sunset Lakes Elementary	1	18400 SW 25 Street	Miramar	33027	N	G	1,843	46,067	1,254			tertiary; updated FISH
Tradewinds Elementary	1	5400 Johnson Road	Coconut Creek	33073	N	G	1,869	46,730	2,091	L		secondary; updated FISH
Watkins Elementary School	1	3520 SW 52nd Avenue	Pembroke Park	33023	N	G	1,911	47,778	395	L		primary; Updated FISH
West Broward High School	3	500 NW 209th Avenue	Pembroke Pines	33029	N	G	1,677	25,155	714	L		primary; Updated FISH

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT				
<b>Storm Category 4/5</b>	<b>58,955</b>	<b>28,299</b>	<b>30,656</b>	<b>1,341,367</b>			<b>775,387</b>	<b>Sufficient</b>				

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Indian Ridge MS	2 or 3471 (471)	1355 South Nob Hill Road	Davie	33324	N	P	310	24,827	250		EHPA. * Indian Ridge MS Emergency Powered HVAC-Not operation yet.
McNichol MS	3 (423)	1602 S. 27th Ave.	Hollywood	33020	N	P	299	23,896	250		EHPA
New River MS	3-café-gym-classrms	3100 Riverland Rd.	Ft. Lauderdale	33312	N	P	293	23,456	250		EHPA
Sheridan Technical High School (Sunset School)	1 (533)	3775 SW 16th St.	Ft. Lauderdale	33312	N	P	353	28,232	55		EHPA
WestGlades MS	3	11000 Holmberg Rd.	Parkland	33026	N	P	295	23,623	250		*West Glades MS Emergency Powered HVAC- Has 5 Portable A/C Units for Cafetorium areas of EHPA

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT				
<b>Storm Category 4/5</b>	<b>1,550</b>	<b>1,277</b>	<b>273</b>	<b>93,000</b>			<b>16,380</b>	<b>Sufficient</b>				

2018 Statewide Emergency Shelter Plan

**CALHOUN**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Altha Public School	21 Classroom	25793 N Main Street	Altha	32421		G	0	0			
Altha Public School	300 Café	25794 N Main Street	Altha	32421		G	312	6,240			EHPA 2017
Altha Public School	600 Gym	25795 N Main Street	Altha	32421		G	702	14,058			EHPA 2017
Blountstown Middle School (NEW)		611 Mathaw Drive	Blountstown	32424		G					
Blountstown High School	2 Gymnasium	18597 NE SR 69	Blountstown	32424		G	657	13,134		S	FY 12/13 2624 15-SR-94-02-17-01-142.
Blountstown High School	4 Dining	18597 NE SR 69	Blountstown	32424	N	G	172	3,443			2011 EHPA
Blountstown High School	5 Classroom	18597 NE SR 69	Blountstown	32424	N	G	131	2,624		S	FY 12/13 2624 15-SR-94-02-17-01-142.
Blountstown High School	7 Classroom	18597 NE SR 69	Blountstown	32424	N	G	459	9,176		S	FY 12/13 2624 15-SR-94-02-17-01-142.
Blountstown High School	8 Classroom	18597 NE SR 69	Blountstown	32424	N	G	473	9,462		S	FY 12/13 2624 15-SR-94-02-17-01-142.
Mossy Pond Community Center	whole Bldg	22216 NW Lake McKenzie Blvd	Altha	32421	N	G	90	1,796			2013 LRDM Survey
							0	0			
<b>TOTALS FOR CALHOUN COUNTY</b>							<b>2,996</b>	<b>59,933</b>	<b>0</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIENT/ T/ Deficit (ft2)	RESULT
Storm Category 4/5	2,996	1,019	1,977	59,933	39,553	SUFFICIENT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Comments
Uses Regional Shelter										

Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIENT/ T/ Deficit (ft2)	RESULT
Storm Category 4/5	0	91	-91	0	-5,460	DEFICIT

2018 Statewide Emergency Shelter Plan

**CHARLOTTE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
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TOTALS FOR CHARLOTTE COUNTY

0

0

0

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIENT/ Deficit (ft2)	RESULT
Storm Category 4/5	0	12,089	-12,089	0	-241,780	DEFICIT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Comments
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Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIENT/ Deficit (ft2)	RESULT
Storm Category 4/5	0	1,277	-1,277	0	-76,620	DEFICIT

Storm Category 4/5

0

1,277

-1,277

0

-76,620

DEFICIT

2018 Statewide Emergency Shelter Plan

**CITRUS**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Central Florida Community College		3800 S. Lecanto Hwy.	Lecanto	34461		G	0	0			
Central Ridge ES	1&Café	185 W. Citrus Springs blvd	Citrus Springs	34443		G	0	0	1,146		
Citrus High School	16	600 West Highland Blvd	Inverness	34452	R	G	300	6,874	300	2002 HMGP 1306-375	updated FISH Data
Citrus High School	17	600 West Highland Blvd	Inverness	34452	R	G	288	5,319	288	2002 HMGP 1306-375	updated FISH Data
Citrus High School	21 / café	600 West Highland Blvd	Inverness	34452	N	P	0	0		L	
Citrus Springs Elementary School	1 and 2	3570 West Century Blvd	Citrus Springs	34443		G	0	0	2,042		34,640 sqft per FISH
Citrus Springs MS	1	150 W Citrus Springs Blvd	Citrus Springs	34443	R	G	60	1,145	1,312	HMGP	updated FISH Data
Citrus Springs MS	2	150 W Citrus Springs Blvd	Citrus Springs	34443	R	G	344	6,542		HMGP	
Citrus Springs MS	3	150 W Citrus Springs Blvd	Citrus Springs	34443	R	G	312	5,932		HMGP	updated FISH Data
Citrus Springs MS	4	150 W Citrus Springs Blvd	Citrus Springs	34443	R	G	312	5,932		HMGP	updated FISH Data
Citrus Springs MS	8	150 W Citrus Springs Blvd	Citrus Springs	34443	R	G	313	5,952		HMGP	updated FISH Data
Crest School	1 and 2	2600 S. Panther Pride Drive	Lecanto	34461		G	0	0	1,271		18,323 sqft per FISH
Floral City Elementary School	2 Cafeteria	8457 E Marvin Street	Floral City	N/A		G	0	0			
Forest Ridge Elementary School	1 Main	2927 North Forest Ridge	Hernando	34442	R	G	1,718	42,941	1,468	S-1523- 2002	updated FISH Data
Hernando Elementary School	2 Classrm	2975 E. Trailblazer Lane	Hernando	34442		G	0	0	1,470		
Highlands Emergency Center		4325 S Little Al Point	Inverness	N/A		G	0	0			
Inverness Middle School		1950 North US Highway 41	Inverness	34450		G	0	0	988		
Inverness Primary School		206 South Lime Avenue	Inverness	34452		G	0	0	1,280		
Lecanto High School		3810 W Education Path	Lecanto	34461		G	0	0	3,710		
Lecanto Primary School		3790 W Education Path	Lecanto	34452		G, A	0	0	1,280		
Pleasant Grove Elementary		630 Pleasant Grove Road	Inverness	34452		G	0	0	525		
Withlacoochee Vocational Technical School		1201 W Main Hwy 44 West	Inverness	34450		G	0	0	516		
<b>TOTALS FOR CITRUS COUNTY</b>							<b>3,647</b>	<b>80,637</b>	<b>17,596</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>3,647</b>	<b>13,314</b>	<b>-9,667</b>	<b>80,637</b>			<b>-185,643</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**CITRUS**

Special Needs Storm Shelters

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source and Program Name	Comments
Citrus High School	21 Café	600 West Highland Blvd	Inverness	34452	N	P	129	7,736	157	L	EHPA. updated FISH Data
Renaissance Center School	1 Main (Admin / Multipurpose /	3630 W. Educational Path	Lecanto	34461	N	P	79	4,752	91		Dining area designed as EHPA
Lecanto MS		3800 W Education Path	Lecanto	34461	N	P	0	0	100		
	<b>Shelter Capacity In Spaces</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>208</b>	<b>60</b>	<b>148</b>	<b>12,488</b>			<b>8,888</b>	<b>Sufficient</b>			

2018 Statewide Emergency Shelter Plan

CLAY

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Argyle Elementary School	2-Cafeteria	2625 Spencer Plantation Blvd	Orange Park	32073	N	G	225	4,500	225	L-EHPA	ARC 4496
Clay High School	8-Caf / Aud	2025 SR 16 West	Green Cove Springs	32043		G, A	0	0	932		
Clay Hill Elementary School	5 Classroom	6345 CR 218	Jacksonville	32234	R	G	263	5,260	263	F-HMGP	ARC 4496
Coppergate Elementary	1 Cafeteria	2250 CR 209 North	Middleburg	32068	N	G	311	6,220	311	L EHPA	ARC 4496
Fleming Island High	2 Dining / Auditorium	2233 Village Square Parkway	Orange Park	32003	R	G	497	9,939	497	S-HMGP	2014 FY11/12 1515A
Fleming Island High	Gym	2234 Village Square Parkway	Orange Park	32003	R	G	546	10,920		SR	Retrofit to be complete 2018
Green Cove Springs Junior HS	8-Cafeteria	1220 Bonaventure Avenue	Gr Cove Springs	32043	R	G	443	8,860	443	1588-2006	ASCE7-93
Keystone Heights HS	5-Cafeteria	900 SW Orchid Avenue	Keystone Heights	32656		G	0	0	584		Holding Location
Keystone Heights HS	7 Band	900 SW Orchid Avenue	Keystone Heights	32656	R	G	184	3,683	184	1588-2006	ARC 4496
Keystone Heights HS	9-Gym	900 SW Orchid Avenue	Keystone Heights	32656	R	G, A	859	17,180	859	1588-2006	ARC 4496
Lake Asbury Elementary School	5 Classroom	2902 Sandridge Road	Gr Cove Springs	32043	R	G	265	5,300	265	F-HMGP	ARC 4496
Lake Asbury Elementary School	6 Classroom	2901 Sandridge Road	Gr Cove Springs	32043	R	G	265	5,300	265	F-HMGP	ARC 4496
Lake Asbury Elementary School	7 Classroom	2901 Sandridge Road	Gr Cove Springs	32043	R	G	265	5,300	265	F-HMGP	ARC 4496
Lake Asbury Junior HS	1 Dining	2851 Sandridge Rd	Gr Cove Springs	32043	N	G	298	5,960	298	L EHPA	ARC 4496
Lakeside Elementary School	6 Classroom	2752 Moody Road	Orange Park	32073	R	G	0	0	0	F-HMGP	No planned usage.
Lakeside Elementary School	7 Classroom	2752 Moody Road	Orange Park	32073	R	G	0	0	0	F-HMGP	No planned usage.
McRae Elementary School	2-Cafeteria	6770 CR 315	Keystone Heights	32656		G	0	0	252		
Montclair Elementary School	4 Classroom	2398 Moody Road	Orange Park	32073	R	G	265	5,300	0	S-EMPA	01CP-10-04-2003-103. No planned usage.
Montclair Elementary School	5 Classroom	2398 Moody Road	Orange Park	32073	R	G	265	5,300	0		No planned usage.
Oakleaf High School	5 Cafetorium	4035 Plantation Oaks Blvd	Orange Park	32065	N	G	568	11,360	568	L-EHPA	ARC 4496
Oakleaf High School	4 Gym	4035 Plantation Oaks Blvd	Orange Park	32065	N	G	888	17,760	568	SR	Retrofit to be complete 2018
Oakleaf Junior High School	1 (Caf & Multipurpose)	4085 Plantation Oaks Blvd	Orange Park	32073	N	G	272	5,440	272	L-EHPA	ARC4496
Oakleaf Junior High School	Gym	4086 Plantation Oaks Blvd	Orange Park	32065	N	G	272	5,440	272		Retrofit completion expected 2018
Oakleaf Village ES	1 Cafetorium	410 Oakleaf Village Park	Orange Park	32065	N	G	272	5,440	272	L-EHPA	ARC 4496
Orange Park High School	10-Cafeteria	2300 Kingsley Avenue	Orange Park	32073	R	G, A	746	14,920	746	HMGP & L	ARC 4496
Plantation Oaks Elementary School	Cafetorium	4150 Plantation Oaks Blvd	Orange Park	32065	N	G	272	5,440	272	L- EHPA	ARC 4496
Rideout Elementary School	1 Dining / Classroom	3065 Apalachicola Blvd	Middleburg	32068	N	G	395	7,900	395	L-EHPA	ARC 4496
Shadowlawn ES	1 Cafetorium	2945 CR 218	Green Cove Springs	32043	N	G	272	5,440	272	L-EHPA	ARC 4496
Tynes Elementary School	2-Cafeteria	1550 Tynes Boulevard	Middleburg	32068	R	G	244	4,880	244	1588-2006	
J L Wilkinson ES	5	4965 CR 218 West	Middleburg	32068	R	G	0	0	0	1588-2006	ANSI A58.1-Shuttered. No planned usage.

2018 Statewide Emergency Shelter Plan

**CLAY**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	9,152	11,281	-2,129	176,642	0		-48,978	DEFICIT			
<b>Special Needs Storm Shelters</b>											
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
St. Johns River Community College	Thrasher / p	285 College Drive	Orange Park	32065	R	P	152	6,000	152		
St. Johns River Community College	Thrasher Horne Aud	285 College Drive	Orange Park	32065	R	P	183	7,320	183		retrofit to be completed 2018
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	335	250	85	20,100			5,100	SUFFICIENT			

2018 Statewide Emergency Shelter Plan

**COLLIER**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Hard Wired Generator (HW) Just in Time Generator (GenSet) kw	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Ave Maria University	Gymnasium	4810 Kelleher Street	Ave Maria	34142	N	G		0	0	1,277		American Red Cross has signed a Sheltering Agreement with Ave Maria University. A more formal, three party agreement is in process. MOU discussions in process. Not a public shelter (at this time) at 19' SLOSH
Bethune Education Center	1 Dining / Classroom	614 S. 5th Street	Immokalee	34142				690	13,804	690		
Eden Park Elementary	Dining / Mult Purp / Corridors	3650 Westclox Street	Immokalee	34142				487	9,750	487		Built 2007
Highlands Elementary School	Caf / Multi Purp / Stage	1101 Lake Trafford Road	Immokalee	34142	R	G		500	10,000	304		
Immokalee Friendship House	Main	602 West Main Street	Immokalee	34142	N	G		0	0	127	S-EMPA	
Immokalee High School	Cafe / Gym / Multi Purp / Gym	701 Immokalee Drive	Immokalee	34142				1,500	30,000	1,018	L	
Immokalee Middle School	Caf / Stage / Gym	401 9th Street	Immokalee	34142	R	G		857	12,860	581	L	
Immokalee Technical Center		508 North 9th Street	Immokalee	34142				0	0	265		
Lake Trafford Elementary School	Caf / Multi Purp / Stage	3500 Lake Trafford Road	Immokalee	34142	R	G		500	10,000	270		
Pinecrest Elementary School	Caf / Multi Purp / Stage	313 9th Street South	Immokalee	34142				500	10,000	315		
Village Oaks Elementary School	Dining / Mult Purp / Stage / Other	1601 SR 29	Immokalee	34142	R	G		750	12,647	434	L & S- 1118A	
<b>TOTALS FOR COLLIER COUNTY</b>								<b>0</b>	<b>5,784</b>	<b>109,061</b>	<b>5,768</b>	
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft<sup>2</sup>)</b>			<b>Shelter Demand (ft<sup>2</sup>)</b>	<b>SUFFICIENT/ T/ Deficit (ft<sup>2</sup>)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>5,784</b>	<b>29,964</b>	<b>-24,180</b>	<b>109,061</b>			<b>599,280</b>	<b>-490,219</b>	<b>DEFICIT</b>			
<b>Special Needs Storm Shelters</b>												
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Emergency Powered HVAC? GenSet or HW? Kw	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft<sup>2</sup>)</b>			<b>Shelter Demand (ft<sup>2</sup>)</b>	<b>SUFFICIENT/ T/ Deficit (ft<sup>2</sup>)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>0</b>	<b>2,011</b>	<b>-2,011</b>	<b>0</b>			<b>120,660</b>	<b>-120,660</b>	<b>DEFICIT</b>			



2018 Statewide Emergency Shelter Plan

**COLUMBIA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Columbia High School	2 Auditorium	469 SE Fighting Tiger Drive	Lake City	32025	N	G	514	10,270			online 2006-EHPA
Columbia High School	7 Cafeteria	470 SE Fighting Tiger Drive	Lake City	32025	N	G	331	6,628			online 2007-EHPA
Fort White ES	19N Cr	18119 SW SR 47	Lake City	32038	N	G	116	2,325	180	L,S,F	
Fort White ES	19S Cr	18119 SW SR 47	Lake City	32038	N	G	93	1,863	180	L,S,F	
Fort White High School	11 Classroom	17828 SW SR 47	Lake City	32038	N	G	135	2,702		L	Built 1999. EHPA. 2004 LRDM
Fort White High School	12 Classroom	17828 SW SR 47	Lake City	32038	N	G	136	2,724		L	Built 1999. EHPA. 2004 LRDM
Fort White High School	17 Classroom	17828 SW SR 47	Lake City	32038	N	G	167	3,344			Built 2004. EHPA. updated FISH data
Lake City Middle School	1 Gymnasium	843 SW Arlington Blvd	Lake City	32025	R	G	803	16,064		S	FY 13/14 2571 (14-SR-IP-03-22-03-484)
Lake City Middle School	8 Dining	843 SW Arlington Blvd	Lake City	32025	R	G	215	4,304		S	FY 13/14 2571 (14-SR-IP-03-22-03-484)
Lake City Middle School	12 Multi-Purpose	843 SW Arlington Blvd	Lake City	32025	R	G	271	5,416		S	FY 13/14 2571 (14-SR-IP-03-22-03-484)
Lake City Middle School	16 Classroom	843 SW Arlington Blvd	Lake City	32025	N	G	201	4,018			Built 2007 EHPA
Pinemount ES	2	325 SW Gabriel PL	Lake City	32024	N	G	221	4,415			per EHPA list
Pinemount ES	3	326 SW Gabriel PL	Lake City	32024	N	G	211	4,230			updated FISH data
Pine Mount ES	4	327 SW Gabriel PL	Lake City	32024	N	G	295	5,902			updated FISH data
Pine Mount ES	6	328 SW Gabriel PL	Lake City	32024	N	G	161	3,221			updated FISH data
Summers Elem School	10 Classroom	1388 SW McFarlane Avenue	Lake City	32055	R	G	93	2,417		S	FY 13/14 2571 (14-SR-IP-03-22-03-484).
Summers Elem School	11 Classroom	1388 SW McFarlane Avenue	Lake City	32055	R	G	95	2,417		S	FY 13/14 2571 (14-SR-IP-03-22-03-484).
Summers Elem School	12 Music CR	1388 SW McFarlane Avenue	Lake City	32055	R	G					needs fenestration protection
Summers Elem School	13 Classroom	1389 SW McFarlane Avenue	Lake City	32055	R	G	93	1,860		S	FY 13/14 2571 (14-SR-IP-03-22-03-484).
Summers Elem School	14 Classroom	1390 SW McFarlane Avenue	Lake City	32055	R	G	93	1,860		S	FY 13/14 2571 (14-SR-IP-03-22-03-484).
Westside Elementary	3	1956 SW County Rd 252B	Lake City	32024	N	G	243	4,852			updated FISH data
Westside Elementary	6	1956 SW County Rd 252B	Lake City	32024	N	G	243	4,858			updated FISH data
<b>TOTALS FOR COLUMBIA COUNTY</b>							<b>4,730</b>	<b>95,690</b>	<b>360</b>		
<b>Special Needs Storm Shelters</b>											
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft<sup>2</sup>)</b>			<b>SUFFICIENT T/ Deficit (ft<sup>2</sup>)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>4,730</b>	<b>4,661</b>	<b>69</b>	<b>103,891</b>			<b>10,671</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Constructi General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity	SpNs Capacity (sf) (meets)	Local Planned Usage			Comments
Westside Elementary	2	1956 SW County Rd 252B	Lake City	32024	N	G	237	4,731			updated FISH data
Westside Elementary	4	1956 SW County Rd 252B	Lake City	32024	N	G	176	3,526			updated FISH data
Westside Elementary	5	1956 SW County Rd 252B	Lake City	32024	N	G	183	3,664			updated FISH data
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft<sup>2</sup>)</b>			<b>SUFFICIENT T/ Deficit (ft<sup>2</sup>)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>596</b>	<b>438</b>	<b>158</b>	<b>35,760</b>			<b>9,480</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**DESOTO**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
County Administration Building	1	201 East Oak Street	Arcadia	34266	R	G	192	2,886	289	L, F	
County Court House		115 East Oak Street	Arcadia	34266			0	0			
County Library		125 North Hillsborough Ave	Arcadia	34266	R	G	144	2,160	184	L, F	
DeSoto High School	1-C	1710 East Gibson Street	Arcadia	34266			0	0	0		
DeSoto High School	1-G	1710 East Gibson Street	Arcadia	34266			0	0	0		
DeSoto MS	5-Gym	420 E. Gibson Street	Arcadia	34266	R	G	583	10,776	583	S-1508-2005	updated FISH Data
DeSoto MS	6 Classroom	420 E. Gibson Street	Arcadia	34266	R	G	481	9,985	481	S-1508-2005	completed 12/05
DeSoto MS	7 Classroom	420 E. Gibson Street	Arcadia	34266	R	G	481	9,985	481	HMGP	completed 2/06
DeSoto MS	8 Classroom	420 E. Gibson Street	Arcadia	34266	R	G	481	9,981	481	HMGP	completed 2/06
Memorial Elementary School	2-B Classroom	851 East Hickory Street	Arcadia	34266		G	0	0	0		Built 1983 (FISH)
Memorial Elementary School	3-C Classroom	851 East Hickory Street	Arcadia	34266		G	0	0	0		Built 1983 (FISH)
Memorial Elementary School	5-E Classroom	851 East Hickory Street	Arcadia	34266		G	0	0	0		Built 1983 (FISH)
Memorial Elementary School	7-G Dining	851 East Hickory Street	Arcadia	34266		G	0	0	0		Built 1983 (FISH)
Memorial Elementary School	H	851 E. Hickory Street	Arcadia	34266	R	G	180	3,600	180	HB7121	
Nocatee Elementary School	1 Admin / Clinic	4846 SW Shore Avenue	Arcadia	34267			0	0	0		Built 1975
South Florida Community College		2251 NE Turner	Arcadia	34266	N	P			0	EHPA	SpNS shelter-see below
Turner Center Exhibit Hall		2260 NE Roan	Arcadia	34266	R	P			0	L,F / HMGP / S-1508	SpNS shelter-see below
West Elementary School	13-A Classroom	304 West Imogene Avenue	Arcadia	34266		G	0	0	0		Built 1986 (FISH)
West Elementary School	14-B Classroom	304 West Imogene Avenue	Arcadia	34266		G	0	0	0		Built 1986 (FISH)
West Elementary School	15-C Classroom	304 West Imogene Avenue	Arcadia	34266		G	0	0	0		Built 1986 (FISH)
West Elementary School	16-D Classroom	304 West Imogene Avenue	Arcadia	34266		G	0	0	0		Built 1986 (FISH)
West Elementary School	17-E Classroom	304 West Imogene Avenue	Arcadia	34266		G	0	0	0		Built 1986 (FISH)
West Elementary School	18-F Dining	304 West Imogene Avenue	Arcadia	34266		G	0	0	0		Built 1986 (FISH)
<b>TOTALS FOR DESOTO COUNTY</b>							<b>2,542</b>	<b>49,373</b>	<b>2,679</b>		
	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft <sup>2</sup> )			SUFFICIENT/ Deficit (ft <sup>2</sup> )	RESULT			
<b>Storm Category 4/5</b>	<b>2,542</b>	<b>3,159</b>	<b>-617</b>	<b>49,373</b>			<b>-13,807</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**DESOTO**

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
South Florida Comm. College (Priority 1)		2251 NE Turner Ave	Arcadia	34266	N	P	151	7,194	151		EHPA
Turner Center Exhibit Hall (Priority 2)		2260 NE Roan Street	Arcadia	34266	R	P	60	2,400	140		
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>211</b>	<b>120</b>	<b>91</b>	<b>12,660</b>			<b>5,460</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**DIXIE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
James M Anderson ES		815 SE 351 Hwy	Cross City	32628		G	0	0	0		
Dixie County High School	2,3,4,6,7	16077 SE 19 Hwy	Cross City	32628		G	2,992	59,888	0		
Ruth Raines Middle School	1 South & 1 north	981 SE 351 HWY	Cross City	32628	R	G	3,481	69,676	489	S-1435A	WD 2002 Values
Ruth Raines Middle School	2 Voc-Clsrm	981 SE 351 HWY	Cross City	32628	R	G	61	1,272	61	S-1435A	Updated FISH Data
Ruth Raines Middle School	3 Gymnasium	981 SE 351 HWY	Cross City	32628	R	G	206	5,148	160	S-1435A	
Ruth Raines Middle School	7 Clasroom	981 SE 351 HWY	Cross City	32628	R	G	0	0	0		Built 2008
Ruth Raines Middle School	5 Band	981 SE 351 HWY	Cross City	32628	R	G	70	1,406	70	S-1435A	WD 2002 Values
<b>TOTALS FOR DIXIE COUNTY</b>							<b>6,810</b>	<b>137,390</b>	<b>780</b>		
	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>6,810</b>	<b>1,832</b>	<b>4,978</b>	<b>137,390</b>			<b>100,750</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Dixie County HS	7 - Café	16077 SE 19 Hwy	Cross City	32628	N	P	120		84		retrofit will be complete in 2018
	SpNS Shelter Capacity In Spaces (meets)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>120</b>	<b>142</b>	<b>-22</b>	<b>0</b>			<b>-1320</b>	<b>DEFICIT</b>			

**2018 Statewide Emergency Shelter Plan**

**DUVAL**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Andrew A. Robinson Elementary School	1 & 2	101 12th Street West	Jacksonville	32206	R	G	1,898	47,451	1,853	S, F	HMGP1306-106 HMGP1539.
Abess Park Elementary	main (1st flor)	12731 Abess Blvd	Jacksonville	32225	R	G	1,369	26,559	1,369	S, F	HMGP1300-108 HMGP 1545- effective 2008.
Abess Park Elementary	main (2nd flor)	12731 Abess Blvd	Jacksonville	32225	R	G	1,244	27,380	1,369	S, F	HMGP 1561-235.
Abess Park Elementary	1a Caf , CR	12731 Abess Blvd	Jacksonville	32225	R	G	1,184	24,880	1,184	L, F	HMGP 1561- HMGP 1545 effecitve 2008.
Abess Park Elementary	1b CR	12731 Abess Blvd	Jacksonville	32225	R	G	473	9,450	473		LRDM 2016
Alfred I. Dupont Middle School	7 Classroom	2710 Duport Avenue	Jacksonville	32217			0	0			Built 2001
Arlington Middle School	1 Main	8141 Lone Star Road	Jacksonville	32211	N	G	2,517	50,331		F, S	Udated FISH data.
Arlington Middle School	2 Gym	8141 Lone Star Road	Jacksonville	32211	N	G	450	8,996			Udated FISH data.
Arlington Middle School	3 ESE	8141 Lone Star Road	Jacksonville	32211	N	G	211	4,218			Udated FISH data.
Atlantic Coast High School	TBA	9735 AC Skinner Parkwy	Jacksonville	32256	N	G, P	850	17,000	850	L	
Axson, John Allen ES	2 Multipurpose	4763 Sutton Park Court	Jacksonville	32224	N	G	206	4,119			per EHPA list.
Axson, John Allen ES	3 Classroom	4763 Sutton Park Court	Jacksonville	32224	N	G	763	15,269			per EHPA list.
Axson, John Allen ES	4 Classroom	4763 Sutton Park Court	Jacksonville	32224	N	G	316	6,312	300		per EHPA list.
Baldwin COM C	Main	275 US-301 NORTH	Baldwin	32234	N		97	1,943			LRDM 2016
Baldwin JrSr HS	4 Cafeteria / Gym	291 Mills Street	Baldwin	32224	R	G				L, F	HB7121-not done.
Bartram Springs Elem School	1 Classroom Wing C, Teacher	14799 Bartram Springs Parkway	Jacksonville	32258	N	G, P	436	8,720	436	L	
Chaffee Trail Elem School	1 Classroom	11400 Sam Caruso Way		32221	N	G	800	16,000	800	L	Opened AUG 2007
Chets Creek Elementary School	main (1st flor)	13200 Chets Creek Blvd	Jacksonville	32224	R	G	1,369	27,114	1,369	S, F	HMGP1300-107 HMGP 1539,
Chets Creek Elementary School	main (2nd flor)	13200 Chets Creek Blvd	Jacksonville	32244	R	G	1,369	27,380	1,369	S, F	roof issues -HMGP 1561-235 HMGP 1539,
Chets Creek Elementary School	1a Caf , CR	13200 Chets Creek Blvd	Jacksonville	32244	R	G	1,184	24,880	1,244	L, F	HMGP 1561-online April 2008,
Chets Creek Elementary School	1b CR	13200 Chets Creek Blvd	Jacksonville	32244	R	G	473	9,450			LRDM survey 2016
Chimney Lakes Elementary School	A, B, D (1st floor)	9353 Staples Mill Road	Jacksonville	32244	R	G, A	2,367	59,184	1,298	S, F	HMGP1300-105 HB7121,
Chimney Lakes Elementary School	add to previous- 2nd flr	9353 Staples Mill Dr.	Jacksonville	32244	R	G, A	1,298	25,960	2,596	L, F	HB7121-additional to previous-engineering study,
Crystal Springs Elementary School	add to previous- 2nd flr	1200 Hammond Blvd.	Jacksonville	32221	R	G	1,361	27,220	2,722	L, F	HB7121-additional to previous/engineering study,
Crystal Springs Elementary School	D (1st flr)	1200 Hammond Blvd.	Jacksonville	32221	R	G	1,361	27,220	1,361	S, F	HMGP1300-111 (laydown) HB7121,
Crystal Springs Elementary School	add to previous- 2nd flr	1200 Hammond Blvd.	Jacksonville	32221	R	G	588	11,760	588	L, F	HB7121-additional to previous- eng strudy in progress.
Don Brewer Elementary School	01.B/ CLASS	3385 Hartsfield	Jacksonville	32211	N	G	417	8,344	417		EHPA LRDM 2016
Don Brewer Elementary School	01.C/ Cafeteria	3386 Hartsfield	Jacksonville	32211	N		181	3,628	181		EHPA LRDM 2017
Douglas Anderson School of the Arts	28	2445 San Diego Road	Jacksonville	32207	N	G	900	18,000	300	L/CIP- FL/DOE	County Added 2015. Built September 2015
Douglas Anderson School of the Arts	107 Cafeteria / Classroom	2445 San Diego Road	Jacksonville	32207	N	G	0	0	300	L, S	County Added 2015. Built September 2016
Enterprise Academy	1a Caf CR	8085 Old Middleburg Rd S	Jacksonville	32222	N		1,184	23,680			LRDM 2016
Fla State College Jacksonville (FSCJ) CECIL FIELD	2 Aviation	13450 Lake Fretwell St.	Jacksonville	32221	N	G	708	14,160	708	S (DOE), F	Effective 2009 Hurricane Season
Fort Caroline Middle School		3757 University Club Blvd	Jacksonville	32277		G				S, F	HMGP 1300-10
Greenland Pines Elem School		5050 Greenland Road	Jacksonville	32258	R	G			1,680		

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Joseph Stilwell Middle School	4 Classroom	7840 Burma Road	Jacksonville	32221		G	0	0			Built 1990
Kernan Trails Elementary School	01.B / CLASS	2281 Kernan Blvd south	Jacksonville	32246	N	G	412	8,233	412	L	LRDM 2016
Kernan Trails Elementary School	01.C / Cafeteria	2282 Kernan Blvd south	Jacksonville	32246	N		155	3,101	155		LRDM 2016
Landmark MS .	01.A / CLASS, Gym,	101 Kernan Road	Jacksonville	32225	R	G, A	558	13,122	558	S, F	HMGP 1561-235.
Landmark MS .	01.B / CLASS, Auditorium,	102 Kernan Road	Jacksonville	32225			507	15,562	507		LRDM 2016
Landmark MS .	01.C & A.2 / CLASS	103 Kernan Road	Jacksonville	32225			946	28,726	946		LRDM 2016
Landmark MS .	01.D / CLASS, ESE	104 Kernan Road	Jacksonville	32225			170	6,257	170		LRDM 2016
Landmark MS .	01.F / CLASS	101 Kernan Road	Jacksonville	32225		G, A	903	32,957	903	S, F	HMGP1300-104.
LaVilla Middle School of the Arts	1st flr East Wing	501 Davis Street North	Jacksonville	32202	N	G	1,586	39,659	818		
LaVilla Middle School of the Arts	2nd floor	501 Davis Street North	Jacksonville	32202	R	G	1,228	24,560	1,228	L, S, F	Built 2010. HMGP-1679-additional to previous.
Mandarin High School		4831 Greenland Road	Jacksonville	32258						L	Built 1989
Mandarin Middle School	01.A / CLASS, Gym,	5100 Hood Road	Jacksonville	32257			558	11,154	558		LRDM 2016
Mandarin Middle School	01.B / CLASS, Auditorium,	5100 Hood Road	Jacksonville	32257	R	G, P	507	10,134	507	L, F	HB7121--additional to previous/engineering study
Mandarin Middle School	01.C & A.2 / CLASS	5101 Hood Road	Jacksonville	32257			946	19,498	946		LRDM 2016
Mandarin Middle School	01.E / CLASS, Admin,	5102 Hood Road	Jacksonville	32257			170	19,066	170		LRDM 2016
Mandarin Middle School	01.E 2 / CLASS, 2nd FLR	5103 Hood Road	Jacksonville	32257			903	16,942	903		LRDM 2016
Mandarin Oaks Elementary School	01.F / CLASS	10600 Hornets Nest Road	Jacksonville	32257	R	G	2,950	18,399	2,950		HMGP 1561.
Mandarin Oaks Elementary School	add to previous	10600 Hornets Nest Road	Jacksonville	32257	R	G	2,950	59,000	559	L, F	Built 1988. HMGP 1561- HMGP 1539 add to previous, effective 2008.
Northshore Elementary School	1 Main	5701 Silver Plaza	Jacksonville	32208		G	0	0			Built 2008
Northshore Elementary School	2 Gymnasium	5701 Silver Plaza	Jacksonville	32208		G	0	0			Built 2008
Northwestern Middle School	9 Classroom	2100 45th Street	Jacksonville	32209		G	0	0			Built 2000
Nutrition Service Center	1 Main	3405 Norman Thagard Blvd	Jacksonville	32254	N	G	0	0			Built 2006
Oceanway Elementary School	1 Main	143 Oceanway Avenue	Jacksonville	32218		G	1,462	36,557	537		EHPA
Oceanway Middle School	2 Café	143 Oceanway Avenue	Jacksonville	32218	N	P					changed to PSN.
Paxon MS		3276 Norman Thagard Blvd	Jacksonville	32254		G					
Paxon School for Advanced Studies		3239 Norman Thagard Blvd	Jacksonville	32254		G					
R. F. Kennedy Center		1033 Ionia Street	Jacksonville	32206		G					
R. F. Kennedy Center		1033 Ionia Street	Jacksonville	32206	N	P			958	S, F	HMGP1300-110.
Ramona Elementary School		5540 Ramona Boulevard	Jacksonville	32205		G					
Robert E. Lee Sr High School		1200 McDuff Avenue S	Jacksonville	32205		G					
S.A. Hull Elementary School		7528 Hull Street	Jacksonville	32219		G					
Sabal Palm Elementary School	add to previous	1201 Kernan Road	Jacksonville	32225	R	G	2,950	59,000	2,950	L, F	HMGP 1561-online April 2008.
Sabal Palm Elementary School	2nd floor?	1201 Kernan Road	Jacksonville	32225	R	G	0	0	559		HMGP 1545 - addition to previous, effective April 2008.
Sabal Palm Elementary School	A, D (1st flr)	1201 Kernan Road	Jacksonville	32225	R	G	0	0			total for school-61896.
San Jose Elementary School	5 Classroom	5805 St. Augustine Road	Jacksonville	32207		G	0	0			Built 2004
Sandalwood Jr./Sr. High School	4 Classroom	2750 John Prom Blvd	Jacksonville	32246		G	0	0			Built 2000
Southside Middle School		2948 Knights Lane East	Jacksonville	32216		G	0	0			
Spring Park Elementary School		2250 Spring Park	Jacksonville	32217		G	0	0		L	

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**DUVAL**

Stanton College Prep School		1149 13th Street	Jacksonville	32209		G	0	0		L	
Terry Parker Sr. High School	10 ESE 2004	7301 Parker School Road	Jacksonville	32211		G	0	0		S, F	HMGP1300-103.
The Legends Center of City of Jacksonville	1	5130 Soutel Drive	Jacksonville	32208	N	G, P	478	9,560	478	L, S, F	Opened 2010 - effective 2011 Season - City CIP & CDBG & HB7121 funds.
Twin Lakes Academy	main (2nd flr)	8050 Point Meadows Drive	Jacksonville	32256	R	G	0	0	1,369	F	SBC- Open spans-HMGP 1561-235.
Twin Lakes Academy	main(1st flr)	8050 Point Meadows Drive	Jacksonville	32256	R	G	1,369	27,380	1,369	L	
Twin Lakes Academy	1a Caf , CR	8050 Point Meadows Drive	Jacksonville	32256	R	G	1,244	24,880	1,244	L, F	HMGP 1561-HMGP 1545 online April 2008.
Twin Lakes Academy	1b, CR	8050 Point Meadows Drive	Jacksonville	32256	R	G	1,244	24,880	1,244	L, F	HMGP 1561-HMGP 1545 online April 2008.
Waterleaf ES	1 (A) CR	450 Kernan Blvd. N.	Jacksonville	32225	N	P	493	9,851	493	L	LRDM 2016
Waterleaf ES	1 (E) CR	451 Kernan Blvd. N.	Jacksonville	32225			327	6,534	327		LRDM 2017
Westview K-8	North side of cafeteria.	5270 Connie Jean Road	Jacksonville	32210	N	G	817	16,340	817	L	Open August 2009 - Applied for HMGP 1679 (Tier III) / & PDM \$ no response.
Woodland Acres Elementary School		328 Bowlan Street	Jacksonville	32211		G			300		HMGP1300-102.

**TOTALS FOR DUVAL COUNTY**    **53,407**    **1,117,960**    **49,702**

	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>		<b>SUFFICIENT/ Deficit</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>53,407</b>	<b>40,802</b>	<b>12,605</b>	<b>1,117,960</b>		<b>301,920</b>	<b>SUFFICIENT</b>			

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retro fitted (R),	General (G), PSN (P),	Spns Capacity (spaces @	Spns Capacity (sf) (meets	Local Planned Usage	Funding Source: Local (L)	Comments
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2018 Statewide Emergency Shelter Plan

**DUVAL**

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R),	General (G), PSN (P),	SpNS Capacity (spaces @	SpNS Capacity (sf) (meets	Local Planned Usage	Funding Source: Local (L),	Comments		
Atlantic Coast High School	TBA	9735 Academy	Jacksonville	32256	N	G, P	250	15,000	250	L	Built August 2010, effective 2011 Season - Applied for HMGP 1679 and PDM \$ no response. Emergency Power supports HVAC.		
Bartram Springs ES	Cafetorium	14799 Bartram Springs Parkway	Jacksonville	32258	N	G, P	110	6,660	436	L	Built August 2009, Applied for HMGP 1679 (Tier III)/ & PDM \$ no response. Emergency Power supports HVAC per 2015 DOH.		
Enterprise Learning Academy (2nd Priority)	Main (1st flr)	8085 Old Middleburg Road Skinner Parkw	Jacksonville	32222	R	P	540	21,600	671		HB7121 SpNS project - updated figures 08-15-08 with DCPS for 60 SqFt per 2015 D		
Landmark MS (Priority 4)	Main (1st flr)	101 Kernan Road	Jacksonville	32225	R	P, A	0	0	496		updated figures 08-15-08 with DCPS for 60 S.F.		
Mandarin MS (Priority 3)	1#63-70	5100 Hood Road 450 Kernan Blvd. N.	Jacksonville	32257	R	P	0	0	496		HB7121 progress.		
The Legends Center of City	01.B ud Multip	5130 Soutel Drive	Jacksonville	32208	N	G, P	163	9,718	163	L, S, F	City CIP & CDBG & HB7121 funds.		
Oceanway MS (1st Priority)	2-Café	143 Oceanway Avenue	Jacksonville	32218	R	P	172	6,884	200		EHPA		
Twin Lakes Academy ES (priority 5)		8000 Point Meadows Drive	Jacksonville	32256	R	P	857	53,969	857		updated figures 08-15-08 with DCPS for 60 SqFt SpNS only		
Waterleaf ES	1 (D) Caf		Jacksonville	32225	N	P	219	13,140	219	L	Built 2011 EHPA		
Waterleaf ES of Jacksonville	1 C CR	Blvd. N.	Jacksonville	32225	N		180	9,416	180		Built 2011 EHPA		
Westview K-8	North side of school - Classrooms, hand	5270 Connie Jean Road	Jacksonville	32210	N	P	167	10,020	167	L	Built August 2009, may be used in late 2009 Season - Applied for HMGP 1679 (Tier M		
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>					<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>					
<b>Storm Category 4/5</b>	<b>2,658</b>	<b>4,262</b>					<b>-1,604</b>	<b>159,480</b>			<b>-96,240</b>	<b>DEFICIT</b>	

III)/ & PD \$ no response.



2018 Statewide Emergency Shelter Plan

**ESCAMBIA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bailey MS	1	4110 Bauer Road	Pensacola	32506	R	G	124	2,480	0	S-1435A-2003	No longer in evacuation zone based upon new zones. Local usable number determined as a result of ECSD and ARC site reviews for usable space. ARC tabulated the numbers based on 20 SqFt / person on raw SqFt.
Bailey MS	2	4110 Bauer Road	Pensacola	32506	R	G	99	1,989	0	S-1435A-2003	
Bailey MS	3	4110 Bauer Road	Pensacola	32506	R	G	27	546	0	S-1435A-2003	
Bailey MS	4	4110 Bauer Road	Pensacola	32506	R	G	169	3,376	0	S-1435A-2003	
Bailey MS	5	4110 Bauer Road	Pensacola	32506	R	G	662	13,234	0	S-1435A-2003	
Bailey MS	6	4110 Bauer Road	Pensacola	32506	R	G	618	12,357	0	S-1435A-2003	
Bailey MS	7	4110 Bauer Road	Pensacola	32506	R	G	486	9,726	0	S-1435A-2003	
Bailey MS	8	4110 Bauer Road	Pensacola	32506	R	G	461	9,227	0	S-1435A-2003	
Bailey MS	9	4110 Bauer Road	Pensacola	32506	R	G	806	16,115	0	S-1435A-2003	Total planned usage 2081
Bellview Elementary School <sup>1</sup>	5 Classroom	4425 Bellview Avenue	Pensacola	32506	R	G	309	5,420	0	S-1435A-2003	
Bellview Middle School <sup>1</sup>	6 gym	6201 Mobile Highway	Pensacola	32506	n	G	0	0	0		Built 2010
Bellview Middle School <sup>1</sup>	10 Classroom	6201 Mobile Highway	Pensacola	32506	R	G	0	0	0		Built 2010
Beulah Elementary School <sup>1</sup>	1 Classroom Addition (2000)	6201 Helms Road	Pensacola	32506		G	185	3,693	0	S-1435A-2003	Updated FISH Data
Beulah Elementary School <sup>1</sup>	Main	6201 Helms Road	Pensacola	32506	R	G			0	L, S, F	HMGP
Blue Angel ES	100 wing	1551 Dog Track Road	Pensacola	32506	R	G	274	6,851	0	L	Updated FISH Data
Blue Angel ES	200 wing	1551 Dog Track Road	Pensacola	32506	R	G	200	5,005	0	L	Updated FISH Data
Blue Angel ES	300 wing	1551 Dog Track Road	Pensacola	32506	R	G	354	6,222	0	L	Updated FISH Data
Blue Angel ES	400 wing	1551 Dog Track Road	Pensacola	32506	R	G	419	7,701	0	L	Updated FISH Data
Blue Angel ES	500 wing	1551 Dog Track Road	Pensacola	32506	R	G	463	7,842	0	L	Updated FISH Data
Blue Angel ES	600 wing	1551 Dog Track Road	Pensacola	32506	R	G	406	8,653	0	L	Updated FISH Data
Brentwood ES	5 Classroom	4820 North Palaof	Pensacola	32505	R	G	427	8,532	0	1588-2006	shutters complete July 2007; Updated FISH Data
Brownsville Middle School <sup>1</sup>		3700 West Avery Street	Pensacola	32503	R	G			0		
Cordova Park Elementary	7 Classroom	2250 Semur Road	Pensacola	32503	N	G	227	4,536	0	L	per EHPA list
Ernest Ward Middle School <sup>1</sup>	1 Main	7650 Highway 97	Walnut Hill	32568	R	G	0	0	0		Built 2013
Escambia Wesgate Center	6 ESE	10050 Ashton Brosnaham Rd	Pensacola	32534	R	G	400	8,000	0	1588-2006	shutters complete July 2007
Escambia Wesgate Center	1-Class Add	10052 Ashton Brosnaham Rd	Pensacola	32536	N	G	0	0	0		per EHPA list. FISH list built 2007
Escambia Wesgate Center	7 ESE	10051 Ashton Brosnaham Rd	Pensacola	32535		G	0	0	0		
Ferry Pass ES	5 Classroom	8310 North Davis	Pensacola	32514	R	G	293	5,717	0	S-1435A-2003	
Ferry Pass MS	4 Classroom	8355 Yancey Ave	Pensacola	32514	R	G	311	6,211	247	S-1435A-2003	
Ferry Pass MS	8 Gymnasium	8355 Yancey Ave	Pensacola	32514	N	G	617	12,344	507		
Global Learning Academy	1 Main Whole Bldg	100 North P Street	Pensacola	32505	N	G	2,559	51,189	2,887		
Jim Allen Elementary School <sup>1</sup>	6 Classroom	1051 Highway 95A	Cantonment	32533	R	G	293	5,077	0	F,S,L-HMGP	
Lipscomb Elementary School <sup>1</sup>	100 wing N	10200 Ashton Brosnaham Dr	Pensacola	32504	R	G	252	5,041	0	F,S,L-HMGP	
Lipscomb Elementary School <sup>1</sup>	100 wing S	10200 Ashton Brosnaham Dr	Pensacola	32504	R	G	105	2,102	0	F,S,L-HMGP	
Lipscomb Elementary School <sup>1</sup>	200 wing	10200 Ashton Brosnaham Dr	Pensacola	32504	R	G	252	5,049	0	F,S,L-HMGP	
Lipscomb Elementary School <sup>1</sup>	300 wing	10200 Ashton Brosnaham Dr	Pensacola	32504	R	G	204	4,085	0	F,S,L-HMGP	

2018 Statewide Emergency Shelter Plan

**ESCAMBIA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Lipscomb Elementary School <sup>1</sup>	400 wing	10200 Ashton Brosnaham Dr	Pensacola	32504	R	G	200	3,990	0	F,S,L-HMGP	
Lipscomb Elementary School <sup>1</sup>	500 wing	10200 Ashton Brosnaham Dr	Pensacola	32504	R	G	300	5,990	0	F,S,L-HMGP	
Lipscomb Elementary School <sup>1</sup>	600 wing	10200 Ashton Brosnaham Dr	Pensacola	32504	R	G	330	6,598	0	F,S,L-HMGP	
Longleaf Elementary	2	2600 Longleaf dr	Pensacola	32526	R	G	392	7,840	0	S-1435A-2003	
Molino Park ES	1 Main	899 Hwy 97	Molino	32577	N	G, A	683	13,651	0	L	
Molino Park ES	2,3,4,5	899 Hwy 97	Molino	32577	R	G, A	1,062	21,240	0	S	shuttering complete June 2007
Navy Point Elementary		1050 Gulf Beach Hwy	Pensacola	32507	R	G	148	2,950	0		
Northview High School	1	4100 West Highway 4	Century	32525	R		1,489	29,772	1,257	S-1435A=2003 / S-1508-2005	Storefront not protected- remainder is mitigated. Local usable space determined as a result of ECSD and ARC site reviews. ARC tabulated numbers based on 20 SqFt / person on raw SqFt.
Pensacola Bay Center	1st/2lfr halls	201 East Gregory St	Pensacola	32501	R	G	2,000	39,995	1,999	L	Added back-2013. Local usable number determined as a result of ECSD and ARC site reviews for usable space. ARC tabulated the numbers based on 20 SqFt / person on raw SqFt.
Pensacola Junior College	Main	1000 College Avenue	Pensacola	32514	R	G	0	0	0	F,S,L-HMGP	
Pensacola Senior High	5- Gymnasium	500 West Maxwell Street	Pensacola	32501	N	G	746	15,179	1,104	L	per EHPA list.
Ransom Middle School <sup>1</sup>		1000 West Kingsfield	Cantonment	32533	R	G	0	0	0		
Scenic Heights Elementary School <sup>1</sup>		3801 Cherry Laurel Drive	Pensacola	32514	R	G			0		
Sherwood Elementary School <sup>1</sup>	10 Classroom Addition	501 Cherokee Trail	Pensacola	32506	R	G	212	3,643	0	S-1435A-2003	
Tate (JM) SrHS	38 Gymnasium	1771 Tate Road	Cantonment	32514	R	G	1,300	26,000	1,010	S-1508-2005	Shuutered
Tate (JM) SrHS	39 / Café	1771 Tate Road	Cantonment	32514	R	G	514	8,200	0	S-1435A-2003	
University of West Florida	13	11000 University Parkway	Pensacola	32514		G	389	5,364	301	S-1523-2002	
University of West Florida	72	11000 University Parkway	Pensacola	32514	R		2,369	47,380	2,313	S-1588-2006	Impact glass completed Dec 2006
Warrington MS	8 Gymnasium	450 South Old Corry Road+C51	Pensacola	32507	N	G	569	11,386	565		New Construction-FBC.
Washington Sr High School		6000 College Road	Pensacola	32504	R	G			0		
West Pensacola Elementary	3 Classroom	801 North 49th Ave	Pensacola	32506	R	G	227	4,546	0	S-1435A-2003	
Workman, J.H. Middle School	7 Classroom	6299 Ianier Dr	Pensacola	32504	R	G	286	7,150	0	S-1435A-2003	
Workman, J.H. Middle School	10 Gym	6299 Ianier Dr	Pensacola	32504	n	G			0		
<b>TOTALS FOR ESCAMBIA COUNTY</b>							<b>25,218</b>	<b>499,194</b>	<b>12,190</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT / Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT / Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>25,218</b>	<b>10,680</b>	<b>14,538</b>	<b>499,194</b>			<b>285,594</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											

2018 Statewide Emergency Shelter Plan

**ESCAMBIA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
West Florida High School (formerly GEO STONE)	9 Gymnasium / Cafeteria	2404 Longleaf Drive	Pensacola	32506	N	P	291	14,174	291	L	Updated per2003 LRDM / 2015 County report
West Florida High School (formerly GEO STONE)	25 Dining	2404 Longleaf Drive	Pensacola	32506	R	P	222	12,993	357	S	Updated per2003 LRDM / 2015 County report. 800 KW Gen (DOH)
West Florida High School (formerly GEO STONE)	26 Classroom	2404 Longleaf Drive	Pensacola	32514	R	P	89	6,096	357	S	Updated per2003 LRDM / 2015 County report. 800 KW Gen (DOH)
PSC	Lou Ross	1000 College Avenue	Pensacola	32506	R	SpN	558		277		2017 update
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>1,160</b>	<b>500</b>	<b>660</b>	<b>69,600</b>			<b>39,600</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**FLAGLER**

Name	Bldg #/Type	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Belle Terre ES	3-CR	5545 Belle Terre Parkway	Palm Coast	32137		G	202	4,041			AS-IS- interior corridors per study
Belle Terre ES	4-CR	5545 Belle Terre Parkway	Palm Coast	32137		G	180	3,607			AS-IS- interior corridors per study
Belle Terre ES	5-CR	5545 Belle Terre Parkway	Palm Coast	32137		G	368	7,359			EHPA per State study, no surge
Belle Terre ES	6-CR	5545 Belle Terre Parkway	Palm Coast	32137		G	201	3,409			AS-IS- interior corridors per study
Belle Terre ES	7-CR	5545 Belle Terre Parkway	Palm Coast	32137		G	97	1,930			AS-IS- interior corridors per study
Buddy Taylor MS	1-CR	4500 Belle Terre Parkway	Palm Coast	32164		G	0	0		F-HMGP	roof not retrofitted as thought
Buddy Taylor MS	2-CR	4500 Belle Terre Parkway	Palm Coast	32164		G	0	0			Built 2007 (FISH)
Bunnell ES	9-CR	305 N Palmetto Street	Bunnell	32110		G	144	2,880		S	Built 2000. Retrofit completed 2015
Bunnell ES	10-CR	305 N Palmetto Street	Bunnell	32110		G,A	0				
Bunnell ES	11-MP & CAF	305 N Palmetto Street	Bunnell	32110			541				
Bunnell ES	12-MP & PE	305 N Palmetto Street	Bunnell	32110		G,A	195				
Bunnell ES	13-CR	305 N Palmetto Street	Bunnell	32110		G	1,123	22,452		S	Built 2006. Retrofit completed 2015
Indian Trails MS	1-CR	5505 Belle Terre Parkway	Palm Coast	32137		G	0	0			
Lewis E. Wadsworth ES	4-MP	4550 Belle Terre Parkway	Palm Coast	32164	R	G	128	2,798	128	F-HMGP	updated FISH Data
Lewis E. Wadsworth ES	6-CAF & CR	4550 Belle Terre Parkway	Palm Coast	32164			1,464				
Matanzas HS	1-CR	3535 N Old Kings Road	Palm Coast	32137			558	11,723			
Matanzas HS	2-AUD	3535 N Old Kings Road	Palm Coast	32137			436	9,167			
Matanzas HS	3-GYM	3535 N Old Kings Road	Palm Coast	32137		G	14,913	29,116			
Matanzas HS	4-CAF	3535 N Old Kings Road	Palm Coast	32137		G	242	5,095			EHPA per State study
Matanzas HS	5-CR	3535 N Old Kings Road	Palm Coast	32137			1,059	22,245			
Matanzas HS	6-CR	3535 N Old Kings Road	Palm Coast	32137			125	2,631			
Matanzas HS	9-CR	3535 N Old Kings Road	Palm Coast	32137			748	15,710			
Matanzas HS	10-CR	3535 N Old Kings Road	Palm Coast	32137			179	3,775			
Matanzas HS	11-FH	3535 N Old Kings Road	Palm Coast	32137			97				
Old Kings ES	500-CR	301 Old Kings Road S	Flagler Beach	32136			564				
Old Kings ES	100A-ADM	301 Old Kings Road S	Flagler Beach	32136			0				
Old Kings ES	100B-CR	301 Old Kings Road S	Flagler Beach	32136			0				
Old Kings ES	100C-CR	301 Old Kings Road S	Flagler Beach	32136			0				
Old Kings ES	200A-CAF	301 Old Kings Road S	Flagler Beach	32136			394				
Old Kings ES	200B-CR	301 Old Kings Road S	Flagler Beach	32136			0				
(Flagler) Palm Coast HS	200-CR	5500 FL-100	Palm Coast	32164	R	G	697	16,411	697	F-HMGP	1st floor shuttered per report
(Flagler) Palm Coast HS	700-CR	5500 FL-100	Palm Coast	32164	R	G	556	10,572	556	F-HMGP	2nd floor shuttered per report
(Flagler) Palm Coast HS	800-GYM	5501 FL-100	Palm Coast	32164	R	G	556	10,401	556	F-HMGP	excludes gym area
Rymfire ES	1-ADM	1425 Rymfire Drive	Palm Coast	32164			644				
Rymfire ES	2-CR	1425 Rymfire Drive	Palm Coast	32164			15,621				
Rymfire ES	3-CAF	1425 Rymfire Drive	Palm Coast	32164			367				
Rymfire ES	5-CR	1425 Rymfire Drive	Palm Coast	32164			1,121				
Rymfire ES	6-CR	1425 Rymfire Drive	Palm Coast	32164	N	G, P	1,116	22,325			2011 desktop survey. Built 2008.
Rymfire ES	7-GYM	1425 Rymfire Drive	Palm Coast	32164	N	G, P	802	14,323			2011 desktop survey. Built 2008
<b>TOTALS</b>							<b>45,438</b>	<b>221,970</b>	<b>1,937</b>		

2018 Statewide Emergency Shelter Plan

**FLAGLER**

Name	Bldg #/Type	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
<b>Special Needs Storm Shelters</b>											
	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT / Deficit In People	Shelter Capacity (ft2)			SUFFICIEN T/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	45,438	6,227	39,211	221,970			97,430	<b>SUFFICIENT</b>			
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Rymfire ES	4-CR	1428 Rymfire Drive	Palm Coast	32164	N	P	122	7,296	1,500		Built Aug 2006
Buddy Taylor MS	9-CR & CAF	4500 Belle Terre Parkway	Palm Coast	32164		P	536	32,305	777		
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIEN T/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	658	328	330	39,480			19,800	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**FRANKLIN**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Apalachicola High School		190 14th St	Apalachicola	32320			0	0	350			
Brown Elementary School		85 School Road	Eastpoint	32328			0	0	300			
Carabelle High School		1001 Grey Avenue	Carabelle	32322			0	0	300			
Chapman Elementary School		155 Ave E	Apalachicola	32320			0	0	450			
<b>TOTALS FOR FRANKLIN COUNTY</b>							<b>0</b>	<b>0</b>	<b>1,400</b>	<b>0</b>		
<b>Special Needs Storm Shelters</b>												
	Shelter Capacity In People	Shelter Demand In People	Surplus/ Deficit In People	Shelter Capacity (ft2)			Surplus/ Deficit (ft2)	RESULT				
Storm Category 4/5	0	319	-319	0			-6,380	DEFICIT				
<b>Special Needs Storm Shelters</b>												
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	SpNS Capacity (spaces @ 60sf) (does not meet ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Uses Regional Shelter												
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	Surplus/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			Surplus/ Deficit (ft2)	RESULT				
Storm Category 4/5	0	214	-214	0			-12,840	DEFICIT				

2018 Statewide Emergency Shelter Plan

**GADSDEN**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Greensboro Elementary School (formerly Greensboro HS)	3 Cafeteria	27005 Blue Star Memorial Hwy	Havana	32337		G	0	0			FISH 1994
Greensboro Elementary School (formerly Greensboro HS)	2 Classroom	27005 Blue Star Memorial Hwy	Havana	32337		G	0	0	0		FISH 1994
East Gadsden High School	300 Classroom	27008 Blue Star Memorial Hwy	Havana	32340	R	G	817	16,340		S-1496-2009	Updated FISH Data
East Gadsden High School	400 Classroom	27001 Blue Star Memorial Hwy	Havana	32333	N	G	1,043	20,854			EHPA
East Gadsden High School	500 Dining	27001 Blue Star Memorial Hwy	Havana	32333	N	G	299	5,984			EHPA
East Gadsden High School	600 Gymnasium	27001 Blue Star Memorial Hwy	Havana	32333	N	G	887	17,744			EHPA
East Gadsden High School	800 Classroom	27001 Blue Star Memorial Hwy	Havana	32333	R	G	133	2,655		S-1496-2010	Updated FISH Data
Gretna City Hall	1	14615 Main Street	Gretna	32332	R	G	0	0			shuttered but no report
Havana Middle School	6-D Classroom	1210 Kemp Road	Havana	32333		G	0	0			
Havana Middle School	7-C Classroom	1210 Kemp Road	Havana	32333	R	G	90	1,800		S-1621X	Updated FISH Data
Havana Middle School	11-J Gymnasium	1211 Kemp Road	Havana	32334	R	G	649	12,980		S-1621X	
Havana Middle School	12-H Dining	1212 Kemp Road	Havana	32335	R	G	228	4,567		S-1621X	
West Gadsden HS	300 VoTech / 400 Classroom	200 Providence Road	Quincy	32351	N	G	566	11,323	0		Built 2007. LRDM Survey 01/2015 (EHPA)
West Gadsden HS	500 Gymnasium	200 Providence Road	Quincy	32351	N	G	509	10,184	0		Built 2007. LRDM Survey 01/2015 (EHPA)
West Gadsden HS	600 Music	201 Providence Road	Quincy	32351	R		193	3,857			Built 2007. Retrofit 2017
West Gadsden HS	700 Cafeteria	202 Providence Road	Quincy	32351	N	G	261	5,210	0		Built 2007. EHPA
West Gadsden HS	880, 900 Classroom	203 Providence Road	Quincy	32351	R		478	9,551			Built 2007. Retrofit 2018
<b>TOTALS FOR GADSDEN COUNTY</b>							<b>6,153</b>	<b>123,049</b>	<b>0</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft<sup>2</sup>)</b>			<b>SUFFICIENT T/ Deficit (ft<sup>2</sup>)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>6,153</b>	<b>3,272</b>	<b>2,881</b>	<b>123,049</b>			<b>57,609</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**GADSDEN**

Special Needs Storm Shelters

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Uses Regional Shelter											
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
Storm Category 4/5	0	632	-632	0			-37,920	DEFICIT			



2018 Statewide Emergency Shelter Plan

**GILCHRIST**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bell Elementary School	5 Cafetorium	NW 10th Street	Bell	32619	N & R	G	361	5,413		492	S-1523-2002	Built 1997. 03-SR-78-03-31-01-287
Bell High School	14 Classroom	930 South Main Street	Bell	32619	R	G	305	5,405		305	S-1523-2002	Updated FISH Data
Bell High School	16 Gymnasium / Multi-Purpose	930 South Main Street	Bell	32619	N & R	G	569	14,223		467	F-HMGP	Updated FISH Data
Bell High School - Health Academy	20 Health Clrm	930 South Main Street	Bell	32619	N & R	P	0	0			F-HMGP	Updated FISH Data
Trenton Elem School	2 Cafeteria	1350 SW SR26	Trenton	32693	N & R	G	293	4,394		492	S-1523-2002	03-SR-78-03-31-01-287
Trenton High School	27 Classroom	1013 North Main Street	Trenton	32693	R	G	342	6,931		342	F-HMGP	Built 1991
Trenton High School	28 Classroom	1013 North Main Street	Trenton	32963	R	G	450	6,753		455	F-HMGP	Built 1991
Trenton High School	30 Multi-Purpose	1013 North Main Street	Trenton	32963	R	G	208	3,127		278	F-HMGP	Built 1991
Trenton High School	34 Gymnasium	1013 North Main Street	Trenton	32963	N & R	G	499	12,483		432	S-1523-2002	Built 1991. 03-SR-78-03-31-01-287
<b>TOTALS FOR GILCHRIST COUNTY</b>							<b>3,027</b>	<b>58,729</b>	<b>0</b>	<b>3,263</b>		

Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT	
<b>Storm Category 4/5</b>	<b>3,027</b>	<b>1,123</b>	<b>1,904</b>	<b>58,729</b>	<b>36,269</b>	<b>SUFFICIENT</b>

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	SpNS Capacity (spaces @ 60sf) (does not meet ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bell High School - Health Academy	20 Vocational	930 South Main Street	Bell	32619	R	P	102	6,115		102		Built 1998. has full generator power w/ HVAC (DOH)

SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT	
<b>Storm Category 4/5</b>	<b>102</b>	<b>76</b>	<b>26</b>	<b>6,120</b>	<b>1,560</b>	<b>SUFFICIENT</b>

## GLADES

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Buckhead Ridge V.F.W.		29012 E. SR 78	Buckhead Ridge	34974	N	G	0	0	60	HMGP	reinforcing walls/upgrade roof- etc- 2007-what about windows??
Doyle Conner Agricultural Center		900 Hwy 27	Moore Haven	33471		G	0	0	500	L	depends on Cat storm
Maple Grove Baptist Church		120 East State Rd 78 West	Lakeport	33471	N	G	343	5,900	343	L	
Moore Haven Elementary School		401 Terrier Pride Drive SW	Moore Haven	33471		G	0	0	160		Completed
Moore Haven High School		700 Terrier Pride Drive SW	Moore Haven	33471		G	0	0			not suitable
Muse Community Center (new)		3897 Loblolly Road	Muse	33935	N	G	65	3,000	46	LS	depends on Cat Storm
Muse Volunteer Fire Dept		SR 720 & Rainbow Blvd	Muse	33935		G	0	0	0	L	not a suitable bldg
Ortona Community Center		2086 Ortona Locks Rd	Moore Haven	33471	N	G	0	0			County added 2014 (needs to be surveyed for use)
Ortona Volunteer Fire Department		3070 Ortona Locks Road	Ortona	33471		G	0	0		L	depends on Cat Storm
Palmdale Community Center		7969 Main street NW	Palmdale	33944		G	0	0		L	depends on Cat Storm
Washington Park Community Center		1225 Latum Bell Street	Moore Haven	33471	N	G	0	0			County added 2014 (needs to be surveyed for use)
West Glades Elementary School	500 Dining	2586 CR 731	Muse	33935	N	G	278	4,165	594		Built 2003, EHPA. PSN bldg is 300
<b>TOTALS FOR GLADES COUNTY</b>							<b>686</b>	<b>13,065</b>	<b>1,703</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	Surplus/ Deficit In People	Shelter Capacity (ft2)	Surplus/ Deficit (ft2)	RESULT
	686	1,594	-908	13,065	-18,815	DEFICIT

### Special Needs Storm Shelters

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
West Glades ES	300 Classroom	2586 CR 731	Muse	33935	N	P	110	7,455	50		Built 2003, EHPA
Muse Community Center (new)		3897 Lobolly Bay Rd	Muse	33935	N	P					backup SPNS
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	Surplus/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			Surplus/ Deficit (ft2)	RESULT			
Storm Category 4/5	110	19	91	6,600			5,460	SURPLUS			

2018 Statewide Emergency Shelter Plan

GULF											
Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Honeyville Community Center		240 Honeyville Park Drive	Wewahitchka	32465	N	G	232	4,640	232	S-1621X	
Port St. Joe Cennential Bldg		2201 Centennial Drive	Port St. Joe	32456			0	0			
Port St. Joe Elementray School		2201 Long Avenue	Port St. Joe	32456							
Port St. Joe High School		100 Shark Circle	Port St. Joe	32456							
Wewahitchika Elementary School	13 Dining (Lunch room)	514 East River Road	Wewahitchka	32465		G			193		
Wewahitchika High School (2005)	Commons Area	754 East River Road	Wewahitchka	32465		G	0	0	120		
Wewahitchika Middle School	16	602 East River Road	Wewahitchka	32465	N	G	228	3,728	228		EHPA Updated FISH Data
<b>TOTALS FOR GULF COUNTY</b>							<b>460</b>	<b>8,368</b>	<b>773</b>	<b>0</b>	
Special Needs Storm Shelters											
	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIEN T/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>460</b>	<b>532</b>	<b>-72</b>	<b>8,368</b>			<b>-2,272</b>	<b>DEFICIT</b>			
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Uses Regional Shelter							0	0			
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIEN T/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>0</b>	<b>208</b>	<b>-208</b>	<b>0</b>			<b>-12,480</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**HAMILTON**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Central Hamilton Elementary School	8 Classroom	5663 US Highway 129 South	Jasper	32052	N & R	G	119	2,080	119	F-HMGP	Updated FISH Data
Central Hamilton Elementary School	Bldgs 1-7	5664 US Highway 129 South	Jasper	32052	N						Survey assigned 2017-18 (entire school)
Hamilton County Senior High School	5 Classroom	5683 US Highway 129 South	Jasper	32052	N	G	497	9,933			2004 LRDM (DEM). EHPA. Updated FISH Data
Hamilton County Senior High School	6 Gymnasium	5683 US Highway 129 South	Jasper	32052	N	G, A	623	12,461			2004 LRDM (DEM). EHPA. Updated FISH Data
Hamilton County Senior High School	Bldgs 1-4, 7, 9-12	5684 US Highway 129 South	Jasper	32052	N						Survey assigned 2017-18 (entire school)
<b>TOTALS FOR HAMILTON COUNTY</b>							<b>1,239</b>	<b>24,474</b>	<b>119</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIENT/ Deficit (ft2)	RESULT
Storm Category 4/5	1,239	1,038	201	24,474	3,714	SUFFICIENT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Hamilton County Senior High School	8 cafeteria	5683 US Highway 129 South	Jasper	32052	N	P	76	4,555	76		2004 LRDM (DEM). EHPA. Updated FISH Data
Suwannee Valley Nursing Center		427 15th Ave NW	Jasper	32052		P	0	0	20		
<b>TOTALS FOR SPECIAL NEEDS STORM SHELTERS</b>							<b>76</b>	<b>4,560</b>	<b>20</b>		
Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIENT/ Deficit (ft2)	RESULT					
Storm Category 4/5	76	76	0	4,560	0	Sufficient					

**2018 Statewide Emergency Shelter Plan**

**HARDEE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bowling Green Elementary School	1 Multipurpose / Classroom	4530 Church Street	Bowling Green	33834	N	G	646	12,920	646	L	Built 2009. 2014 County Update
Bowling Green Elementary School	17 Cafeteria	4530 Church Street	Bowling Green	33834	N	G	0	0	106	L	2015 Co update. Post Impact Only
Bowling Green Elementary School	18 Classroom	4530 Church Street	Bowling Green	33834	N	G	105	2,103	105	L	2014 County Update
Hardee Jr.High / Hilltop Elementary	5	2401 US Highway 17 North	Wauchula	33873	N	G	344	6,885	344	L	
Hardee Jr.High / Hilltop Elementary	6	2401 US Highway 17 North	Wauchula	33873	N	G	523	10,479	523	L	
Hardee Jr.High / Hilltop Elementary	7	2401 US Highway 17 North	Wauchula	33873	N	G	411	8,223	411	L	
Hardee Jr.High / Hilltop Elementary	8	2401 US Highway 17 North	Wauchula	33873	N	G	452	9,054	452	L	
Hardee Jr.High / Hilltop Elementary	9	2401 US Highway 17 North	Wauchula	33873	N	G	563	11,272	563	L	
Hardee Jr.High / Hilltop Elementary	13	2401 US Highway 17 North	Wauchula	33873	N	G	859	17,197	859	L	
North Wauchula Elementary School	3 Classroom	1120 North Florida Avenue	Wauchula	33873	N	G	104	2,082	104	L	2014 County Update
South Florida State College	1st & 2nd Floor	2968 US Highway 17 North	Bowling Green	33834	N	P	0	0			SpNS Info provided below
Zolfo Springs Elementary School	2 Classroom	3215 Schoolhouse Road	Zolfo Springs	33890	N	G	348	6,978	348		EHPA
Zolfo Springs Elementary School	9 Media	3215 Schoolhouse Road	Zolfo Springs	33890	N	G	139	2,787	139	L	2014 County Update
Zolfo Springs Elementary School	10 Classroom	3215 Schoolhouse Road	Zolfo Springs	33890	N	G	193	3,870	220	L	

**TOTALS FOR HARDEE COUNTY**

**4,687      93,850      4,820**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft <sup>2</sup> )		SUFFICIENT/ Deficit (ft <sup>2</sup> )	RESULT		
<b>Storm Category 4/5</b>	<b>4,687</b>	<b>2,167</b>	<b>2,520</b>	<b>93,850</b>		<b>50,510</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
South Florida State College	1st floor (110, 118 & 119) 2nd floor (202, 217 & 218)	2968 US 17 N	Bowling Green	33834	N	P	75	4,500	110		2014 County Update

2018 Statewide Emergency Shelter Plan

**HARDEE**

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
Storm Category 4/5	75	36	39	4,500			2,340	SUFFICIENT		

**2018 Statewide Emergency Shelter Plan**

**HENDRY**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Clewiston Central Elem School	Café	1000 South Dean Duff Ave	Clewiston	33440	R	G	0	0			
Clewiston Eastside Elem School		201 West Arroyo Avenue	Clewiston	33440		G	0	0			
Clewiston High School	100 Classroom	1501 South Francisco Street	Clewiston	33440	R	G	333	6,231	333	S-1467-2004	Bldg Subject to isolation. FFE above Flood Elevation per 2005 LRDM
Clewiston High School	800 Gymnasium	1501 South Francisco Street	Clewiston	33440	R	G	0	0			Per 2005 PBSJ LRDM needs fenestration and engineering study
Clewiston High School	900 Classroom	1501 South Francisco Street	Clewiston	33440	R	G	259	4,864	259	S-1467-2004	Bldg Subject to isolation. FFE above Flood Elevation per 2005 LRDM
Clewiston High School	1000 Resource	1501 South Francisco Street	Clewiston	33440	R	G	0	0			Per 2005 PBSJ LRDM needs fenestration and engineering study
Clewiston Middle School	27 Dining	601 West Osceola	Clewiston	33440	R	G	0	0			New FISH Data
Clewiston Middle School	30 Music	601 West Osceola Avenue	Clewiston	33440	R	G	166	2,972	166	S-1467-2004	dike issues/depends upon wind
Clewiston Middle School	31 / Gym / 5	601 West Osceola Avenue	Clewiston	33440	R	G	538	11,487	538	S-1467-2004	dike issues/depends upon wind
Clewiston Middle School	32 Classroom	601 West Osceola Avenue	Clewiston	33440	R	G	467	7,002	468	S-1467-2004	dike issues/depends upon wind
Clewiston Middle School	33 Classroom	601 West Osceola Avenue	Clewiston	33440	R	G	210	3,144	241	S-1467-2004	dike issues/depends upon wind
Clewiston Middle School	34 Classroom	601 West Osceola Avenue	Clewiston	33440	R	G	209	3,131	241	S-1467-2004	dike issues/depends upon wind
Clewiston Middle School	Gym	601 West Osceola	Clewiston	33440	N	G	500	11,314	500	L	Per Master List
Clewiston Westside ES	West	205 West Arroyo Avenue	Clewiston	33440	R	G	0	0			
Country Oaks Elem School	1 Admin / Clinic / Dining	2025 NW Eucalyptus Blvd	LaBelle	33935	R	G	0	0			
Felda Community Center		1050 CR 830	Felda	33930			0	0			
Harlem Community Civic Auditorium		2000 7th Street	Clewiston	33440			0	0			
Hendry County Health Department		1140 Pratt Boulevard	LaBelle	33935			0	0			
John Boy Auditorium	Beardsly Rm	1300 South WC Owens Ave	Clewiston	33440	R	G	78	1,564	0		per Shelter Study
LaBelle Civic Center		400 Hickpochee Avenue	LaBelle	33935		G	0	0			
LaBelle Elem School	5 Dining	West Cowboy Way	LaBelle	33935	R	G	0	0			
LaBelle Sr High School	2 PE	4050 East Cowboy Way	LaBelle	33935	R	G	0	0			
LaBelle Sr High School	3 Ticket	4050 East Cowboy Way	LaBelle	33935	N	G	0	0			
LaBelle Middle School	1 Classroom	8000 East Cowboy Way	Labelle	33935	R	G	201	3,012	215	S-1467-2004	FISH Data, Built 1996
LaBelle Middle School	2 Classroom	8000 East Cowboy Way	Labelle	33935	R	G	161	2,413	172	S-1467-2004	FISH Data, Built 1996
LaBelle Middle School	3 Dining	8000 East Cowboy Way	Labelle	33935	R	G	442	9,544	442	S-1467-2004	FISH Data, Built 1996
LaBelle Middle School	4 Ag Lab	8000 East Cowboy Way	Labelle	33935	R	G	334	5,730	334	S-1467-2004	FISH Data, Built 2000
LaBelle Middle School	5 Gymnasium	West Cowboy Way	LaBelle	33935	N	G	500	10,532	500	L	
LaBelle Middle School	6 Classroom	8000 East Cowboy Way	Labelle	33935	R	G	474	7,107	481	S-1467-2004	FISH Data, Built 2006
Pioneer Plantation Community Center		Panama Drive	Clewiston	33440	N	G	0	0			
Seminole Tribe of Florida	1				N	G	484	9,680	484	L	use only with prior agreement/tribe
Seminole Tribe of Florida	2				N	G	262	5,240	262	L	use only with prior agreement/tribe
Seminole Tribe of Florida	3				N	G	193	3,860	193	L	use only with prior agreement/tribe
Upthegrove, Edward A Elem School	23 Classroom	280 North Main Street	Labelle	33935	R	G	368	7,360	368	S-1467-2004	

2018 Statewide Emergency Shelter Plan

**HENDRY**

VFW Post 10100		SR29	LaBelle	33935	R	G	84	1,680	0		per Shelter Study
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<b>TOTALS FOR HENDRY COUNTY</b>							<b>6,263</b>	<b>117,867</b>	<b>6,197</b>		
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	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>6,263</b>	<b>3,285</b>	<b>2,978</b>	<b>117,867</b>			<b>52,167</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
West Glades ES (Glades County)		2500 S. CR731	LaBelle	33935		P					combined w/ Glades in West Glades
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>0</b>	<b>204</b>	<b>-204</b>	<b>0</b>			<b>-12,240</b>	<b>DEFICIT</b>			



2018 Statewide Emergency Shelter Plan

**HERNANDO**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Brooksville Elementary School	2B	885 North Broad Street	Brooksville	34601	R	G	0	0			not retrofited, 2014 Fish Data
Brooksville Elementary School	8H	885 North Broad Street	Brooksville	34601	R	G	0	0			not retrofited, 2014 Fish Data
Central High School	30 Dining	14075 Ken Austin Parkway	Brooksville	34613	N	G	280	5,600	216	L	2014 Fish Data
Central High School	30 Hallway	14075 Ken Austin Parkway	Brooksville	34613	N	G	50	1,000	50	L	2014 Fish Data
Central High School	5e	14075 Ken Austin Parkway	Brooksville	34613		G	0	0			2014 Fish Data
Challenger K-8 School of Science & Math	1 (1st floor)	13400 Elgin Blvd	Spring Hill	34609-0401	N	G	2,750	47,169	2,750	L	2014 Fish Data
Challenger K-8 School of Science & Math	Gym 1st floor	13400 Elgin Blvd	Spring Hill	34609-0401		G	421	8,423	421		2014 Fish Data
Chocachatti Elementary School	3 Café	4135 California Street	Brooksville	34609		G	0	0			2013 Survey notes: needs Engineer Review / fenestraion protection
Chocachatti Elementary School	4 Classroom	4135 California Street	Brooksville	34609	N	G	0	0	194	L	2013 Survey notes: needs fenestraion protection (194 total noted spaces used by county)
Chocachatti Elementary School	5 Classroom	4135 California Street	Brooksville	34609	N	G	0	0	0	L	
Chocachatti Elementary School	6 Classroom	4135 California Street	Brooksville	34609		G	0	0			2013 Survey notes: needs Engineer Review / fenestraion protection
Deltona Elementary School	10 Classroom	2055 Deltona Boulevard	Springhill	34606		G	0	0			Evacuation Zone per County, updated FISH, 2012 Survey notes not in Cat 5 Surge Zone, needs Engineer Review / fenestraion protection
Deltona Elementary School	100	2055 Deltona Boulevard	Springhill	34606		G	0	0	58		Evacuation Zone per County, updated FISH, 2012 Survey notes not in Cat 5 Surge Zone, needs Enginnering Study & fenestraion protection
Deltona Elementary School	200 Classroom	2055 Deltona Boulevard	Springhill	34606		G	0	0	67		Evacuation Zone per County, updated FISH, 2012 Survey notes not in Cat 5 Surge Zone, needs fenestraion protection
Deltona Elementary School	300 Classroom	2055 Deltona Boulevard	Springhill	34606		G	0	0	64		Evacuation Zone per County, updated FISH, 2012 Survey notes not in Cat 5 Surge Zone, needs fenestraion protection
Deltona Elementary School	400 Classroom	2056 Deltona Boulevard	Spring Hill	34606		G	0	0	41		Evacuation Zone per County, updated FISH, 2012 Survey notes not in Cat 5 Surge Zone, needs fenestraion protection
Deltona Elementary School	500 Cafeteria	2056 Deltona Boulevard	Spring Hill	34606		G	0	0			Evacuation Zone per County, updated FISH, 2012 Survey notes not in Cat 5 Surge Zone, needs fenestraion protection
Deltona Elementary School	600 Auditorium	2055 Deltona Boulevard	Springhill	34606		G	0	0	61		Evacuation Zone per County, updated FISH, 201 Survey notes not in Cat 5 Surge Zone, needs Engineer Review / fenestraion protection
Delores S Parott ES	2 Café	19220 Youth Drive	Brooksville	34601	R	G, A	0	0	326		2013 Survey notes needs Engineer Review / fenestration protection

**2018 Statewide Emergency Shelter Plan**

**HERNANDO**

Delores S Parott ES	3 Gym	19220 Youth Drive	Brooksville	34601	R	G, A	0	0			2013 Survey notes needs Engineer Review / fenestration protection
Eastside Elementary School	600 Auditorium	27151 Roper Drive	Springhill	34602		G	0	0			Built 1982. not retrofited
Eastside Elementary School	800 Classroom	27151 Roper Drive	Springhill	34602		G	0	0			Built 1990. not retrofited
Eastside Elementary School	900 Classroom	27151 Roper Drive	Springhill	34602		G	0	0			Built 1990. not retrofited
Hernando Sr High School	15	700 Bell Avenue	Brooksville	34601	R	G	0	0	0	L	2014 Fish Data
Hernando Sr High School	31 Café	700 Bell Avenue	Brooksville	34601		G	483	9,665	483		Built 2007. 2014 Fish Data
John D Floyd ES	12 Classroom	3139 Dumont Ave	Springhill	34609	N	G	256	5,126	0	L	2013 Survey. Built 2007. 2014 Fish Data
John D Floyd ES	13 Classroom	3139 Dumont Ave	Springhill	34609	N	G	257	5,132	0	L	2013 Survey. Built 2007. 2014 Fish Data
Moton Elementary School	100	7175 Emerson Road	Brooksville	34601	R	G	224	5,611	58	HB7121	totals based on FISH
Moton Elementary School	200 Classroom	7175 Emerson Road	Brooksville	34601	R	G	0	0	67		Built 1989. County uses hallways. 2013 Survey notes needs fenestration protection
Moton Elementary School	300 Classroom	7175 Emerson Road	Brooksville	34601	R	G	0	0	64	0	Built 1989. County uses hallways. 2013 Survey notes needs fenestration protection
Moton Elementary School	400 Classroom / Media	7175 Emerson Road	Brooksville	34601	R	G	0	0	61	L	Built 1989. County uses hallways. 2013 Survey notes needs fenestration protection
Moton Elementary School	500 Dining / Multi-Purpose	7175 Emerson Road	Brooksville	34601	R	G	0	0		L	Built 1989. County uses hallways. 2013 Survey notes needs fenestration protection
Nature Coast Tech High	2 Classroom	4057 California Street	Brooksville	34604	N	G	332	6,636	246	L, S	Built 2001. 2013 Survey notes needs fenestration protection on part of building
Nature Coast Tech High	3-Gym	4057 California Street	Brooksville	34604	N	G	607	11,696	607	L, S	Built 2001. EHPA. 2013 LRDM Survey
Pasco Hernando Community College	1E	450 Beverly Court	Spring Hill	34606	N	G	0	3,375	341	DOE	CAT 4/5 Surge Zone
Springstead (Frank W) High School	12	3300 Maniner Boulevard	Springhill	34609		G	445	8,900	445		
Suncoast ES	500 Cafeteria	11135 Quality Dr.	Springhill	34609	N	G	202	4,035			Built 1994 / 2012. 2013 Retrofits completed. 2013 LRDM Survey
Suncoast ES	8 Clrm (1st Flr)	11135 Quality Dr.	Springhill	34609	N	G	0	0	0	L	Built 2009. 2013 Survey notes needs fenestration protection

**TOTALS FOR HERNANDO COUNTY**      **9,056**      **185,718**      **10,116**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>9,056</b>	<b>11,565</b>	<b>-2,509</b>	<b>185,718</b>			<b>-45,582</b>	<b>DEFICIT</b>		

2018 Statewide Emergency Shelter Plan

**HERNANDO**

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
ARC Nature Coast Education Center	1	5283 Neff Lake Road	Brooksville	34601	N	P	66	3,960	66		Red Cross Shelter Survey completed.
Challenger K-8	1 Main-Multipurp / Din (1st flr only)	13400 Elgin Blvd	Spring Hill	34609		P	265	15,900	184	L	Built 2004/05. EHPA. SF based on LPU, no surge
Enrichment Center	1	800 John Gary Grubbs Blvd.	Brooksville	34601		P	80	4,800		L,S	Red Cross Shelter Survey completed.
West Hernando Middle School	6 Cafeteria	14325 Ken Austin Parkway	Brooksville	34613	N	P	0	0	178		Built 1982. Per 2012 LRDM Survey does not meet ARC 4496
West Hernando Middle School	8 Gymnasium	14325 Ken Austin Parkway	Brooksville	34613	N	P	0	0	213		Built 1993. Per 2012 LRDM Survey does not meet ARC 4496
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>411</b>	<b>44</b>	<b>367</b>	<b>24,660</b>			<b>22,020</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**HIGHLANDS**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Agri-Civic Center		4505 George Blvd	Sebring			G	0	0		L	not surveyed, but shuttered
Avon Elementary School Cafeteria	10-Cafeteria	705 West Winthrop	Avon Park	33825	N	G	249	4,494	249	L	impact glass?
Avon Park High School	6-Cafeteria	700 East Main Street	Avon Park	33825	R	G	0	0	300	1508-2005	shuttered per county-what gauge?
Avon Park Middle School	5 Classroom	South Lake Avenue	Avon Park	33825	N	G	670	12,697	670	L	per EHPA list; New FISH Data
Avon Park High School	10	700 East Main Street	Avon Park	33825	N	G	567	11,334			per EHPA list
Avon Park Public Works		221 US 27 South	Avon Park	33825	N	G	365	8,600	365	S,L	
Avon Park Recreation		207 East State St	Avon Park	33825	N	G	554	13,040	554	S, L	
Cracker Trail Elementary School	4	8200 Sparta Road	Sebring	33870	R	G	200	4,418	200	1508-2005	shuttered per county; FISH Data
Fred Wild Elementary School cafeteria	13-cafeteria	1910 South Highlands Ave	Sebring	33870	N	G	249	4,820	249	L	need to confirm window protection
Highlands County Health Depat		7205 Georg Blvd	Sebring				0	0			
Hill / Gustat Middle School	9 Classroom	4700 Schumacher Road	Sebring	33870		G	738	11,077	750	L	per EHPA list; New FISH Data
Lake County Elementary School		516 County Road 29	Lake Placid	33852			0	0			
Lake Placid Elementary School	6	101 Green Dragon Drive	Lake Placid	33852	N	G	225	5,633	200	L	New FISH Data
Lake Placid Senior High	2 Classroom	202 Green Dragon Dr	Lake Placid	33852	N	G	205	4,105			per EHPA list
Lake Placid Middle School	9 ESE Classroom	201 S Tangerine Dr	Lake Placid	33852	N	G	197	3,946			per EHPA list; New FISH Data
Memorial Elem School	2 Cafeteria	867 Memorial Drive	Avon Park	33825	N	G	235	6,318	235	L	needs Verification
Memorial Elem School	1 Classroom	868 Memorial Drive	Avon Park	33826	N	G	543	10,850			per EHPA list;needs Verification
Park Elementary School		327 East Palmetto	Avon Park	33825			0	0			
Reflection on Silver Lake		1850 US 27 South	Avon Park	33825			0	0			
Royal Care of Avon Park Rehab & Nursing Home		1281 West Stratford Road	Avon Park	33825			0	0			
Sebring Civic Center		681 Magnolia Ave	Sebring	33870	N	G	2,080	41,600		S-1621X	
Sebring Country Estates Civic Association		3240 Grand Prix Drive	Sebring	33872			0	0			
Sebring High School	8	3514 Kenilworth Blvd	Sebring	33870	N	G	220	4,660	220	L	no windows; New FISH
Sebring High School	13 Classroom	3514 Kenilworth Blvd	SEBRING	33870	N	G	750	12,345	750	L	per EHPA list; New FISH Data
Sebring Middle School		500 East Center	Sebring	33870		G	0	0			Newest bldg. yr 1979 per FISH?
Skate Center		125 Commerece	Lake Placid	33852		G	0	0			
South Florida Community College	A	600 West College Dr	Avon Park	33825	N	G	217	6,680	217	S-1395B	
Sun'N Lake Elementary School		4515 Ponce De Leon	Sebring	33870		G	0	0			Bldg 4 - 4,142 SqFt; FISH Data
The Elks - Lake Placid		200 CR 621 East	Lake Placid	33852		G	0	0			
Woodlawn Elementary School	2 Cafeteria	718 Fielder Boulevard	Sebring	33870	N	G	249	4,626	249	L	New FISH Data

**TOTALS FOR HIGHLANDS COUNTY** 8,513 171,243 5,208

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)		SUFFICIEN T/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>8,513</b>	<b>11,553</b>	<b>-3,040</b>	<b>171,243</b>		<b>-59,817</b>	<b>DEFICIT</b>		

**Special Needs Storm Shelters**

2018 Statewide Emergency Shelter Plan

**HIGHLANDS**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Highlands Agri-Civic Center (Bert J Harris Jr)		4505 George Blvd	Sebring	33875		P	75	4,500	122		not surveyed but shuttered
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>75</b>	<b>285</b>	<b>-210</b>	<b>4,500</b>			<b>-12,600</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**HILLSBOROUGH**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Hard Wired Generator (HW) Just in Time Generator (GenSet) kw	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Armwood HS (EHPA)	CFK	12000 US Hwy 92	Seffner	33584	N	G		800	16,000	800	L, S	EHPA
Barrington Middle (EHPA)		Fish Hawk Creek Area	Lithia	33547	N	G		1,500	30,000	1,500	L, S	EHPA
Bartels Middle (EHPA)	3,4	9020 Imperial Oaks Blvd	Tampa	33614	N	G		1,800	36,000	1,800	L, S	EHPA
Bartels Middle (EHPA)	CFK	9020 Imperial Oaks Blvd	Tampa	33647	N	G, A		540	10,800	540	L, S	EHPA
Benito Elementary	2, 3, 6	10101 Cross Creek Blvd	Tampa	33647	R	G		1,811	36,220	1,811	HMGP	
Benito Elementary (EHPA)	CFK	10101 Cross Creek Blvd	Tampa	33647	N	G		400	8,000	400	L, S	EHPA
Bevis Elementary (EHPA)	2	5720 Osprey Ridge Dr	Lithia	33547	N	G		411	8,220	411	L, S	EHPA
Bevis Elementary (EHPA)	3	5720 Osprey Ridge Dr	Lithia	33547	N	G		411	8,220	411	L, S	EHPA
Bloomington High	13	1700 E. Bloomington Ave	Valrico	33594	R	G		828	16,560	828	S-1523	
Boyette Springs ES (EHPA)	16	10141 Sedgebrook Dr	Riverview	33569	N	G		500	10,000	500	L, S	EHPA
Brandon HS (EHPA)	New Addition	1101 Victoria ST	Brandon	33510	N	G		800	16,000	800	L, S	EHPA. 2006-2007
Brooker Elementary (EHPA)	CFK (Clrm for Kids)	812 DeWolf Rd	Brandon	33511	N	G		500	10,000	500	L, S	EHPA
Burnett Middle	1, 2, 3	1010 N. Kingsway Rd	Seffner	33584	R	G		1,328	26,560	1,328	HMGP	
Burnett Middle (EHPA)	CFK	1010 N. Kingsway Rd	Seffner	33584	N	G		340	6,800	340	L, S	EHPA
Canella Elementary (EHPA)	13	10707 Nixon Rd	Tampa	33624	N	G		500	10,000	500	L, S	EHPA
Carrollwood ES	18	3516 MACFARLAND ROAD	Tampa	33618	N	G		470	3,052	470		EHPA
Carver Center (EHPA)	2	2934 E. Hillsborough Ave	Tampa	33610	N	G		600	12,000	600	L, S	EHPA
Chiles Elementary (EHPA)	2	16541 Tampa Palms Blvd	Tampa	33647	N	G		729	14,580	729	L, S	EHPA
Chiles Elementary (EHPA)	3	16541 Tampa Palms Blvd	Tampa	33647	N	G		729	14,580	729	L, S	EHPA
Chiles Elementary (EHPA)	CFK (Clrm for Kids)	16541 W. Tampa Palms Blv	Tampa	33647	N	G		500	10,000	500	L, S	EHPA. 2006-2007
Cimino Elementary	CFK (Clrm for Kids)	4329 Culbreath Rd	Valrico	33594	N	G		500	10,000	500	L, S	EHPA
Cimino Elementary (EHPA)	2	4329 Culbreath Rd	Valrico	33594	N	G		1,556	31,120	1,556	L, S	EHPA
Collins ES (EHPA)	3	12424 Summerfield Blvd	Riverview	33569	N	G		1,968	39,357	1,968		EHPA
Cork Elementary (EHPA)	CFK (Clrm for Kids)	3501 N. Cork Rd	Plant City	33565	N	G		500	10,000	500	L, S	EHPA
Cypress Creek Elementary (EHPA)	CFK	4040 19th Ave N.E.	Ruskin	33570	N	G		540	10,800	540	L, S	EHPA
Doby Elementary (EHPA)	2,3	6720 Covington Garden Dr	Apollo Beach	33572	N	G		1,600	32,000	1,600	L, S	EHPA
Durant High	1, 2, 3, 4, 5, 6, 7	4748 Cougar Path	Plant City	33567	R	G		2,116	42,320	2,116	HMGP	
Durant High	New Addition	4748 Cougar Path	Plant City	33567	N	G		800	16,000	800	LS	2006-2007
Edison Elementary	5 Classroom	1607 E. Curtis St	Tampa	33610	R	G		0	0	0		Built 1999. Retrofit Cancelled 2004
Edison Elementary	6 Classroom	1607 E. Curtis St	Tampa	33610	R	G		0	0	0		Built 2000. Retrofit Cancelled 2004
Eisenhower Middle School (EHPA)	5 Gym	7620 Big Bend Rd	Gibsonton	33534	N	G		485	9,700	485	L, S	
Eisenhower Middle School	2 Classroom				R	G		0	0	0	S-1508-2005	
Eisenhower Middle School	5				R	G		0	0	0	S-1508-2005	
Essrig Elementary	10	13031 Lynn Rd	Tampa	33624	N	G		441	8,820	441	L, S	
Fish Hawk Elementary (EHPA)	2	16815 Dorman Rd	Lithia	33547	N	G		725	14,500	725	L, S	EHPA
Fish Hawk Elementary (EHPA)	3	16815 Dorman Rd	Lithia	33547	N	G		725	14,500	725	L, S	EHPA
Freedom High (2003)	3	17410 Commerce Park Blvd	Tampa	33647	R	G		0	0	0	S-1467-2004	
Freedom High (2003)	6	17410 Commerce Park Blvd	Tampa	33647	R	G		0	0	0	S-1467-2004	
Freedom High (2003)	9	17410 Commerce Park Blvd	Tampa	33647	R	G		0	0	0	S-1467-2004	
Freedom High (2003)	10	17410 Commerce Park Blvd	Tampa	33647	R	G		0	0	0	S-1467-2004	
Greco Middle (EHPA)	Gym	6925 E. Fowler	Temple Terrace	33617	N	G		437	8,740	800	L, S	
Hammonds ES	New School	8008 N. Mobley RD	Odessa	33556	N	G		1,200	24,000	1,200	L, S	2006-2007

2018 Statewide Emergency Shelter Plan

**HILLSBOROUGH**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Hard Wired Generator (HW) Just in Time Generator (GenSet) kw	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Heritage Elementary	3, 4	10900 Cross Creek Blvd	Tampa	33647	N	G		1,535	30,700	1,535	L, S	EHPA
Jennings Middle	3, 4	8799 Williams Rd	Seffner	33584	N	G		2,049	40,980	2,049	L, S	EHPA
Knights Elementary	CFK (Clrm for Kids)	4815 N. Keene Rd	Plant City	33565	N	G		500	10,000	500	L, S	EHPA
Lake Magdalene ES	CFK (Clrm for Kids)	2002 Pine Lake Dr	Tampa	33612		G		500	10,000	500	L, S	EHPA
Lake Magdalene ES	14	2002 Pine Lake Dr	Tampa	33612	R	G		455	9,100	455	S-1435A-2003	
Lewis Elementary	9	6700 E. Whiteway Dr	Temple Terrace	33617	R	G		297	5,940	297	S-1467-2004	
Liberty Middle	7 Gym	17400 Commercr Park Blvd	Tampa	33647	R	G		0	0	0	S-1467-2004	
Limona ES	9	1115 TelFair	Brandon	3350	R	G		184	3,680	184	S-1435A-2003	
Lockhart Elementary	5	3719 N. 17th St	Tampa	33610	R	G		1,474	29,480	408	S-1435A-2003	
Lomax Elementary (EHPA)	4	4207 N. 26th St	Tampa	33610	N	G		465	9,300	465	L, S	EHPA
Mann MS	Gym				R	G		0	0	0		
Marshall Middle	13	18 S. Maryland Ave	Plant City	33563	R	G		225	4,500	225	S-1523	
Marshall Middle	CFK	18 S. Maryland Ave	Plant City	33563	N	G		400	8,000	400	L, S	EHPA
Martinez Middle	3	5601 Lutz Lake Fern Rd	Lutz	33558	R	G		948	18,960	948	S-1467-2004	
Martinez Middle	4	5601 Lutz Lake Fern Rd	Lutz	33558	R	G		958	19,160	958	S-1467-2004	
McLane MS	9 Gymnasium	306 North Knights Ave	Brandon	33510	R	G		0	0	0	S-1508-2005	
McLane MS	20 Classroom	306 North Knights Ave	Brandon	33610	R	G		1,071	21,420	1,071	S-1435A-2003	
McKitrck Elementary	2, 3	5503 Lutz Lake Fern Rd	Lutz	33549	N	G		1,451	29,020	1,451	L, S	EHPA
McKitrck Elementary	CFK (Clrm for Kids)	5503 Lutz Lake fern rd	Lutz	33549	N	G		800	16,000	800	L, S	EHPA
Memorial Middle	Gym	4702 N. Cent	Tampa	33603	R	G		465	9,300	800	S-1523 / S-1435A	
Middleton High	2, 3	4801 North 22nd Street	Tampa	33610	N	G		2,298	45,960	2,298	L, S	EHPA
Mort Elementary	4	1806 E. Bearss Ave	Tampa	33613	R	G		0	0	0	S-1467-2004	
Mort Elementary	CFK (Clrm for Kids)	1806 E. Bearss Ave	Tampa	33613	N	G		500	10,000	500	L, S	EHPA
Muller Elementary	4	13615 N. 22nd St	Tampa	33613	N	G		310	6,200	310	L, S	EHPA
Mulrennan Middle	2, 4, 6	4215 Durant Rd	Valrico	33594	N	G		2,250	45,000	2,250	L, S	EHPA
Nelson Elementary	2, 3	5413 Durant Rd	Dover	33527	N	G		1,610	32,200	1,610	L, S	EHPA
Nelson Elementary	CFK	5413 Durant Rd	Dover	33527	N	G		540	10,800	540	L, S	EHPA
Newsome High	2, 7, 8	16550 Fish Hawk Blvd	Lithia	33547	N	G		1,586	31,720	1,586	L, S	EHPA
Oak Park ES	New School	4322 E. Ellicott ST	Tampa	33610	N	G		1,000	20,000	1,000	L, S	2006-2007 EHPA
Pizzo Elementary	2, 3, 4	11701 Bull Run Rd	Tampa	33617	R	G		1,595	31,900	1,595	S-1523	
Plant Sr High School	13	1 Raider Pl	Plant City	33566	R	G		399	7,980	399	S-1523	
Potter Elementary	11	3224 E. Cayuga St	Tampa	33610	R	G		253	5,060	253	S-1467-2004	
Potter Elementary	13	3224 E. Cayuga St	Tampa	33610	R	G		253	5,060	253	S-1467-2004	
Pride Elementary	3,4	18271 Kinnan St	Tampa	33647	N	G		1,114	22,280	1,114	L, S	EHPA
Pride Elementary	CFK	10310 Lions Den Dr	Tampa	33647	N	G		400	8,000	400	L,S	EHPA
Randall Middle	1, 3	16510 Fish Hawk Blvd	Lithia	33547	R	G		813	16,260	813	HMGP	
Reddick ES	3, 4	325 West Lake Dr	Wimauma	33598	N	G		1,350	27,000	1,350	L, S	EHPA
Riverview High, Building #10	10	11311 Boyette Rd	Riverview	33569	R	P		350	7,000	350	L, S	
Riverview HS	5	11311 Boyette Rd	Riverview	33569	R	G		0	0	0	HMGP	Never retrofitted
Robinson ES	12	4801 S. Turkey Creek Rd	Plant City	33567	R	G		404	8,080	563	S-1435A-2003	
Schmidt Elementary	3	1250 Williams Rd	Brandon	33510	N	G		890	17,800	890	L, S	
Sessums Elementary	2, 3	11525 Ramble Creek Dr	Riverview	33569	N	G		1,564	31,280	2,099	L, S	EHPA

2018 Statewide Emergency Shelter Plan

**HILLSBOROUGH**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Hard Wired Generator (HW) Just in Time Generator (GenSet) kw	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Sheehy Elementary	4	N. 40th St	Tampa	33610	N	G		996	19,920	625	L, S	EHPA
Shields Middle	3	3908 N.E. 19th Ave	Ruskin	33570	N	G		675	13,500	1,025	L, S	EHPA
Shields Middle	4	3908 N.E. 19th Ave	Ruskin	33570	N	G		675	13,500	1,025	L, S	EHPA
Shields MS CFK	CFK	3908 N.E. 19th Ave	Ruskin	33573	N	G, A		540	10,800	540	L, S	EHPA
Sickles High	3,7	7950 Gunn Hwy	Tampa	33626	R	G		961	19,220	961	S-1543	
Sickles HS CFK	CFK	7950 Gunn Hwy	Tampa	33626	N	G		540	10,800	720	L, S	EHPA
Simmons Center	1	901 South Evers St	Plant City	33566	N	G		388	7,760	425	L, S	EHPA
Sligh MS	15	2011 E. Sligh Ave	Tampa	33610	R	G		312	6,240	589	S-1435A-2003	
Smith Middles (EHPA)	3, 4	14303 Citrus Pointe Dr	Tampa	33625	N	G, A		1,350	27,000	1,350	L, S	
Springhead Elementary	CFK (Clstrm for Kids)	3208 Nesmith Rd	Plant City	33566	N	G		500	10,000	500	L, S	EHPA
Steinbrenner High		5575 W Lutz Lake Fern Rd	Lutz	33558	N	G		1,500	30,000	1,500	L, S	EHPA
Stowers Elementary		13915 Barrington Stowers Dr	Lithia	33547	N	G		1,250	25,000	1,250	L, S	EHPA
Strawberry Crest High		4691 Gallagher Rd	Dover	33527	N	G, A	GenSet	1,500	30,000	1,500	L, S	EHPA
Strawberry Crest High		4691 Gallagher Rd	Dover	33527	N	G, A	GenSet	400	8,000	400	L, S	As-is rerofit per 2017 SRR EMPA
Sulphur Springs ES	1	8412 N. 13th St	Tampa	33604	R	G		867	17,340	1,534	S-1435A-2003	
Summerfield Crossings ES	New School	Fairway Meadows Drive	Riverview	33569	N	G		1,200	24,000	1,200	L, S	2006-2007 EHPA
Summerfield ES CFK	CFK	11990 Big Bend Rd	Riverview	33569	N	G		400	8,000	540	L, S	EHPA
SYMMES ELEMENTARY	3	6280 WATSON ROAD	Riverview	33569	N	G		350	7,002	350		
SYMMES ELEMENTARY	4	6280 WATSON ROAD	Riverview	33569	N	G		337	6,749	337		
Tampa Palms ES	CFK (Clstrm for Kids)	6100 Tampa Palms Blvd	Tampa	33647	N	G		500	10,000	500	L, S	EHPA
Temple Terrace ES	CFK (Clstrm for Kids)	124 Flotto Ave	Temple Terrace	33617	N	G		500	10,000	500	L, S	2006-2007 EHPA
Tomlin Middle	10	501 N. Wilson St	Plant City	33563	R	G		439	8,780	439	S-1523	
Tomlin Middle	CFK	501 N. Woodrow Wilson St	Plant City	33567	N	G		540	10,800	540	L, S	EHPA
Turkey Creek Middle	8	5005 S. Turkey Creek Rd	Plant City	33567	R	G		594	11,880	594	S-1523	
Turner ES	2	9190 Imperial Oak Blvd	Tampa	33614	N	G		349	6,972	349		EHPA
Turner ES	3	9190 Imperial Oak Blvd	Tampa	33614	N	G		340	6,792	340		EHPA
USF Sun Dome		4202 E. Fowlwr Ave	Tampa	33620	R	P	GenSet	500	10,000	0	L, S FY 10/11 1617	
Valrico ES	3 (1st flr)	609 S. Miller Rd	Valrico	33594	R	G		423	8,460	423	S-1435A-2003	
Valrico ES	4 (1st flr)	609 S. Miller Rd	Valrico	33594	R	G		480	9,600	480	S-1435A-2003	
Valrico ES CFK	CFK	609 S. Miller Rd	Valrico	33594	N	G		540	10,800	540	L, S	EHPA
Walden Lake ES CFK	CFK	2800 S. Turkey Creek Rd	Plant City	33566	N	G		540	10,800	720	L, S	EHPA
Walker Middle Magnet School	2	8282 N. Mobley Rd	Odessa	33556	R	G		0	0	1,527	S-1435A-2003	2013 - Window protection removed during renovation, per County
Walker Middle Magnet School	3	8282 N. Mobley Rd	Odessa	33556	R	G		0	0	300	S-1523	2013 - Window protection removed during renovation, per County
Wharton HS CFK	CFK	20150 Bruce B. Downs Blvd	Tampa	33647	N	G		540	10,800	720	L, S	
Whitley Bowers Career Center	7 (1?)	13609 N. 22nd St	Tampa	33613	N	G		275	5,500	275	L, S	EHPA
Williams MS	2	5020 N. 47th	Tampa	33610	R	G		364	7,280	650	S-1435A-2003	
Wilson ES	3	702 English St	Plant City	33563	R	G		648	12,960	721	S-1435A-2003	
Young MS	8	1807 E. Dr. MLK Blvd	Tampa	33610	R	G		629	12,580	527	S-1435A-2003	
<b>TOTALS FOR HILLSBOROUGH COUNTY</b>							<b>0</b>	<b>85,288</b>	<b>1,699,404</b>	<b>89,188</b>		



2018 Statewide Emergency Shelter Plan

**HILLSBOROUGH**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Hard Wired Generator (HW) Just in Time Generator (GenSet) kw	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
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Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			Shelter Demand (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT		
Storm Category 4/5	85,288	52,316	32,972	653,084			1,046,320	653,084	SUFFICIENT		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Emergency Powered HVAC? GenSet or HW? Kw	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
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Erwin Tech Center	Entire Bldg	2010 E. Hillsborough Ave	Tampa	33610			HW	1,000	60,000	1,000	S	retrofit based on eng cert letter see below*; Completion expected Dec 2017
Hillsborough Comm College at the Regent	1	6437 Watson Rd	Riverview	33578	N	P	N/A	0	0	0	L, S	HMGP; Zoning change reported SRR SOW 2017
Riverview HS	10	11311 Boyette Rd	Riverview	33569	N	P	GenSet	350	21,000	400	L, S	
Riverview HS	CFK	11311 Boyette Rd	Riverview	33569	N	P	GenSet	400	8,000	400	L, S	GenSet being moved from Bldg 10, no surge. EHPA
USF Sun Dome		4202 E. Fowler Ave	Tampa	33620	R	P	GenSet	1,500	90,000	1,000		

Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			Shelter Demand (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT		
Storm Category 4/5	3,250	2,927	323	179,000			175,620	3,380	SUFFICIENT		

2018 Statewide Emergency Shelter Plan

**HOLMES**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bethlehem School	1	2667 Hwy 160	Bonifay	32425			0	0	1,905		44,859 sqft per FISH
Bonifay Middle School	5 & 7	401 McLaghlin Avenue	Bonifay	32425							Per FISH: Bldg 5 1983; Bldg 7 2004
Holmes County Agricultural Center		Rt 1 Box 408 Hwy 90 E	Bonifay	32425			0	0	436		
Holmes Sr High School	1	825 West Hwy 90	Bonifay	32425			0	0	942		44,797 sqft per FISH 1989
New Hope VFD		1243 Hwy 179-A	Westville	32464	R	G	179	3,585	179	L, S F (EMPA)	open
Ponce De Leon Elementary School	5 Classroom	1473 Ammons Road	Ponce de Leon	32455			0	0	195		4,056 sqft per FISH 1993
Ponce De Leon High School	1 Main	1477 Ammons Road	Ponce de Leon	32425			0	0	515		28,165 sqft per FISH 1988
Poplar Springs HS	3 Gym	3726 Atomic Drive	Graceville	32440	N	G, P	796	11,942	1,045		EHPA
Poplar Springs HS	4-6 Classrooms	3726 Atomic Drive	Graceville	32440			0	0			not EHPA
Poplar Springs HS	7 - Cafeteria	3726 Atomic Drive	Graceville	32440	N	G	357	5,361	534	L	EHPA update per FISH
<b>TOTALS FOR HOLMES COUNTY</b>							<b>1,332</b>	<b>20,888</b>	<b>5,751</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>1,332</b>	<b>991</b>	<b>341</b>	<b>20,888</b>			<b>1,068</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Poplar Springs HS	3 Gym	3726 Atomic Drive	Graceville	32440	N	P	38	2,280	38		Total Bldg. per FISH 14,222 sqft 300 Kohler Generator

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>38</b>	<b>121</b>	<b>-83</b>	<b>2,280</b>			<b>-4,980</b>	<b>DEFICIT</b>		

**2018 Statewide Emergency Shelter Plan**

**INDIAN RIVER**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Mitigation checks needed
Fellsmere Elementary School	700	50 North Cypress Street	Fellsmere	32948	R	G	490	11,400	570	HMGP	verify type of mitigation; LRDM on file
Fellsmere Elementary School	1-Dining / Stage	50 North Cypress Street	Fellsmere	32948		G	0	0	102		verify type of mitigation; LRDM on file
Fellsmere Elementary School	1-Music Room	50 North Cypress Street	Fellsmere	32948		G	0	0	31		verify type of mitigation; LRDM on file
Fellsmere Elementary School	1-Classrooms / Corridors	50 North Cypress Street	Fellsmere	32948		G	0	0	905		verify type of mitigation; LRDM on file
Gifford Middle School	600 Band / Chorus	2726 45th Street	Vero Beach	32967	R	G	159	3,180	159	HMGP	verify type of mitigation; LRDM on file
Gifford Middle School	1200-Dining	2726 45th Street	Vero Beach	32967	R	G	168	3,360	168	HMGP	verify type of mitigation; LRDM on file
Gifford Middle School	15-Gym	2726 45th Street	Vero Beach	32967		G	0	0			no LRDM on file
Glendale Elementary School	3-Dining/Stage	4940 8th Street	Vero Beach	32960		G	0	0	107		no LRDM on file
Glendale Elementary School	3-Music Lab	4940 8th Street	Vero Beach	32960		G	0	0	40		no LRDM on file
Glendale Elementary School	4-Multipurpose	4940 8th Street	Vero Beach	32960		G	0	0	44		no LRDM on file
Indian River Academy (Highlands Elementary School)	1-Dining / Stage	500 SW 20th Street	Vero Beach	32962		G	0	0	106		no LRDM on file
Indian River Academy (Highlands Elementary School)	1-Multipur.	500 SW 20th Street	Vero Beach	32962		G	0	0	44		no LRDM on file
Indian River Academy (Highlands Elementary School)	1-Music Room	500 SW 20th Street	Vero Beach	32962		G	0	0	40		no LRDM on file
Indian River Academy (Highlands Elementary School)	2-Classrooms / Corridors	500 SW 20th Street	Vero Beach	32962		G	0	0	415		no LRDM on file
Indian River Academy (Highlands Elementary School)	3-Classrooms / Corridors	500 SW 20th Street	Vero Beach	32962		G	0	0	404		no LRDM on file
Liberty Magnet School	All	6850 81st Street	Vero Beach	32967		G, A	184	3,680	184		no LRDM on file
Osceola Magnet School	1-MultPur.	1110 18th Avenue SW	Vero Beach	32962	R	G	0	0	47		no LRDM on file
Osceola Magnet School	1-Dining / Stage	1110 18th Avenue SW	Vero Beach	32962		G	111	2,228	111		no LRDM on file
Osceola Magnet School	1-Music Room	1110 18th Avenue SW	Vero Beach	32962		G	0	0	32		no LRDM on file
Osceola Magnet School	1-Classrooms / Corridors	1110 18th Avenue SW	Vero Beach	32962		G	0	0	701		no LRDM on file
Osceola Magnet School	2-Classrooms / Corridor	1110 18th Avenue SW	Vero Beach	32962		G	0	0	218		no LRDM on file
Oslo Middle School	200-Classrms / Corr	480 SW 20th Street	Vero Beach	32962	R	G	579	10,808	579		no LRDM on file
Oslo Middle School	500-Music Suite	480 SW 20th Street	Vero Beach	32962	R	G	158	3,160	158	HMGP	no LRDM on file
Oslo Middle School	600-Cafetorium	480 SW 20th Street	Vero Beach	32962	R	G	243	4,860	243	HMGP	no LRDM on file

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**INDIAN RIVER**

Oslo Middle School	700-Classrms / Corr	480 SW 20th Street	Vero Beach	32962	R	G	579	10,718	579	HMGP	no LRDM on file
Oslo Middle School	900-Classrms / Corr	480 SW 20th Street	Vero Beach	32962	R	G	580	10,699	580	HMGP	no LRDM on file
Oslo Middle School	800-Gym	480 SW 20th Street	Vero Beach	32962		G	0	0	0	HMGP	no LRDM on file
Pelican Island Elementary School	1-Classrooms / Corridors	1355 Schumann Drive	Sebastian	32958		G	0	0	914	HMGP	no LRDM on file
Pelican Island Elementary School	1-Dining Area / Stage	1355 Schumann Drive	Sebastian	32958		G	0	0	102		no LRDM on file
Pelican Island Elementary School	1-MultiPur.	1355 Schumann Drive	Sebastian	32958	R	G	0	0	0		no LRDM on file
Pelican Island Elementary School	1-Music Room	1355 Schumann Drive	Sebastian	32958		G	0	0	31		no LRDM on file
Sebastian Elementary School	1-Dining/Stage	401 Sebastian Boulevard	Sebastian	32958			0	0	0		no LRDM on file
Sebastian Elementary School	1-MultiPur.	402 Sebastian Boulevard	Sebastian	32958			0	0	49		no LRDM on file
Sebastian Elementary School	1-Music Room	403 Sebastian Boulevard	Sebastian	32958			0	0	31		no LRDM on file
Sebastian Elementary School	1-Clsrms / Cor	404 Sebastian Boulevard	Sebastian	32958			0	0	225		no LRDM on file
Sebastian Elementary School	6-Clsrms / Cor	405 Sebastian Boulevard	Sebastian	32958			0	0	394		no LRDM on file
Sebastian Elementary School	7-Clsrms / Cor	406 Sebastian Boulevard	Sebastian	32958			0	0	396		no LRDM on file
Sebastian Elementary School	8-Clsrms / Cor	407 Sebastian Boulevard	Sebastian	32958			0	0	375		no LRDM on file
Sebastian Elementary School	9-Clsrms / Cor	407 Sebastian Boulevard	Sebastian	32958			371	7,420	371	HMGP	no LRDM on file
Sebastian River High School	1 A-wing Auditorium	9001 90th Avenue	Sebastian	32958	R	G	410	8,209	0	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	2 B-wing Music	9001 90th Avenue	Sebastian	32958	R	G	236	4,722	0	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	3 C-wing Classroom	9001 90th Avenue	Sebastian	32958	R	G	217	4,340	217	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	6 F-wing Classroom	9001 90th Avenue	Sebastian	32958	R	G	306	6,124	145	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	7 G-wing Classroom	9001 90th Avenue	Sebastian	32958	R	G	109	2,180	109	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	5 E-wing Gymnasium	9001 90th Avenue	Sebastian	32958		G	0	0	0	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	9 J-wing Cafeteria	9001 90th Avenue	Sebastian	32958	R	G	289	5,780	289	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	K-Classroom	9001 90th Avenue	Sebastian	32958	R	G	185	3,700	185	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	11 L-wing Vo-Classroom	9001 90th Avenue	Sebastian	32958	R	G	83	1,660	83	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	12 M-wing Classroom	9001 90th Avenue	Sebastian	32958	R	G	298	5,960	298	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	13 N-wing Admin / Clsrm	9001 90th Avenue	Sebastian	32958	R	G	347	6,932	97	HMGP	verify type of mitigation; LRDM on file
Sebastian River High School	21 V-wing Classroom	9001 90th Avenue	Sebastian	32958	R	G	684	13,682	324	HMGP	verify type of mitigation; LRDM on file
Sebastian River Middle School	All	9400 CR 512	Sebastian	32958	R	G	1,499	29,980	1,499	HMGP	verify type of mitigation; LRDM on file
Sebastian River Middle School	8-Gym	9400 CR 512	Sebastian	32958		G	432	8,630	0	HMGP	verify type of mitigation; LRDM on file
Sebastian Senior (Adult Day Care) Center	Center	815 Davis Str	Sebastian	32958	R	G	140	2,800	140	HMGP	verify type of mitigation; LRDM on file
Storm Grove Middle School	2 ESE / Classroom	6400 57th Street	Vero beach	32958		G	700	14,000	700		impact glass on entire school

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**INDIAN RIVER**

Storm Grove Middle School	3 Classrom	6400 57th Street	Vero beach	32958		G	700	14,000	700		impact glass on entire school
Storm Grove Middle School	4 Classroom	6400 57th Street	Vero beach	32958		G	700	14,000	700		impact glass on entire school
Storm Grove Middle School	5 Gym / Music	6400 57th Street	Vero beach	32958		G	800	16,000	800		impact glass on entire school
Vero Beach Elementary School	2 ESE / Classroom	1770 12th Street	Vero Beach	32960		G	0	0	1,578		no LRDM on file Mitigated? Source?
Vero Beach Elementary School	3 Classrom	1770 12th Street	Vero Beach	32960		G	0	0	515		no LRDM on file Mitigated? Source?
Vero Beach Elementary School	4 Multipurpse / Dining	1770 12th Street	Vero Beach	32960			0	0			no LRDM on file Mitigated? Source?
Vero Beach HS Freshman Learning Center	All-bldg1 parcel 1	1507 19th Street	Vero Beach	32960	R	G	1,499	29,980	0	S-1543	verify type of mitigation; LRDM on file
Vero Beach HS Freshman Learning Center	Gym	1507 19th Street	Vero Beach	32960		G	0	0	304	S-1544	verify type of mitigation; LRDM on file
<b>TOTALS FOR INDIAN RIVER COUNTY</b>							<b>13,257</b>	<b>264,192</b>	<b>18,138</b>		

	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>	
<b>Storm Category 4/5</b>	<b>13,257</b>	<b>5,805</b>	<b>7,452</b>	<b>264,192</b>			<b>148,092</b>	<b>SUFFICIENT</b>	

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name
Treasure Coast ES (Old Liberty Magnet)	All	8955 85th Street	Sebastian	32958	R	P, A	582	30,000	500	
Sebastian Adult Daycare Center		815 Davis St	Sebastian	32958		P	140	8,400	140	
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>		
<b>Storm Category 4/5</b>	<b>582</b>	<b>501</b>	<b>81</b>	<b>34,920</b>			<b>4,860</b>	<b>SUFFICIENT</b>		

2018 Statewide Emergency Shelter Plan

**JACKSON**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Cottondale High School	1 Classroom	2680 Levy Street	Cottondale	32431			0	0			Built 2000 (FISH)
Graceville High School	2 Classroom	5539 Brown Street, Hwy 77	Graceville	32440			0	0			Built 2001 (FISH)
Grand Ridge High School	80 Gymnasium	6925 Florida Street	Grand Ridge	32442			0	0			Built 1996 (FISH)
Marianna High School (new)	Area A	3546 Caverns Road	Marianna	32446	N	G	354	8,355	354		Updated FISH
Marianna High School (new)	Area B	3546 Caverns Road	Marianna	32446	N	G	1,356	20,338	1,429		partly SpNS (Total=22,318sf per FISH)
Marianna High School (new)	Area C	3546 Caverns Road	Marianna	32446	N	G	284	6,649	284		Updated FISH Data
Marianna High School (new)	Area D / D1	3546 Caverns Road	Marianna	32446	N	G	469	11,725	354		Updated FISH Data
Marianna High School (new)	Area E	3546 Caverns Road	Marianna	32446	N	G	253	4,770	253		Updated FISH Data
Marianna High School (new)	Area F / F1	3546 Caverns Road	Marianna	32446	N	G	616	15,391	228		Updated FISH Data
Chipola Junior College	PSC		Marianna	32446	R	G	499	9,980	499	F,S	
<b>TOTALS FOR JACKSON COUNTY</b>							<b>3,831</b>	<b>77,208</b>	<b>3,401</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>3,831</b>	<b>1,757</b>	<b>2,074</b>	<b>77,208</b>			<b>42,068</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Marianna HS (new)	Area B (part)	3546 Caverns Road	Marianna	32446		P	33	1,980	33		Updated FISH Data
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>33</b>	<b>143</b>	<b>-110</b>	<b>1,980</b>			<b>-6,600</b>	<b>DEFICIT</b>			

Statewide Emergency Shelter Plan

**JEFFERSON**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Jefferson County High School		555 Tiger Lane	Monticello	32344							
Jefferson County Middle / Sr. High (NEW)	8 Gym & Café	50 David Rd	Monticello	32344	N	G	809	15,231	809	L	Built 2003. Updated FISH Data
<b>TOTALS FOR JEFFERSON COUNTY</b>							<b>809</b>	<b>15,231</b>	<b>809</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)		SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>809</b>	<b>664</b>	<b>145</b>	<b>15,231</b>		<b>1,951</b>	<b>SUFFICIENT</b>			

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Uses Regional Shelter								0			
<b>Special Needs Storm Shelters Summary</b>											
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>0</b>	<b>278</b>	<b>-278</b>	<b>0</b>			<b>-16,680</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**LAFAYETTE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
4th District Community Ctr		Hwy 27 South	Mayo	32066			0	0			16 miles East of Mayo
Airline Community Ctr		Hwy 27 South	Mayo	32066			0	0			5 miles East of Mayo
Day Community Center		CR 53	Mayo	32066			0	0			North of Day
Lafayette High School	32 Gym	US 27 East	Mayo	32066	R	G	332	6,640		S 1621X	09-SR-18-03-4-01-210
Lafayette High School	2 Cafeteria	US 27 East	Mayo	32066	R	G	255	3,827	278	F	Updated FISH Data
Lafayette High School	6 CR Music	US 27 East	Mayo	32066		G	111	2,226			As is per survey 2016
Mayo Community Ctr		Hwy 27 North	Mayo	32066			0	0			1 mile West of Mayo
Oakridge Assisted Living	297 SW CR 300	1343 Johns St	Mayo	32066	N	P	0	0	90	L	
<b>TOTALS FOR LAFAYETTE COUNTY</b>							<b>698</b>	<b>12,693</b>	<b>368</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>698</b>	<b>609</b>	<b>89</b>	<b>12,693</b>			<b>1,731</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Oakridge Assisted Living	297 SW CR 300	1343 Johns St	Mayo	32066	N	P	60	3,600	90	L	

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>60</b>	<b>13</b>	<b>47</b>	<b>3,600</b>			<b>2,820</b>	<b>SUFFICIENT</b>		



2018 Statewide Emergency Shelter Plan

LAKE

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Astatula Elementary School for the Arts	1	13925 Florida Avenue	Astatula	34705	N	G, A	68	1,025	116	S-1523	Primary Shelter;Updated FISH
Astatula Elementary School for the Arts	2	13925 Florida Avenue	Astatula	34705	N	G, A	296	6,247	296	S-1523	Primary Shelter;Updated FISH
Astatula Elementary School for the Arts	3	13925 Florida Avenue	Astatula	34705	N	G, A	309	4,628	315	S-1523	Primary Shelter;Updated FISH
Beverly Shores Elementary School	14 Classroom	1108 West Griffin Road	Leesburg	34745	N	G	167	4,170	80	L	Secondary Shelter;Updated FISH
Beverly Shores Elementary School	15 Classroom	1108 West Griffin Road	Leesburg	34745	N	G	382	5,737	389	L	Secondary Shelter;Updated FISH
Beverly Shores Elementary School	16 Dining	1108 West Griffin Road	Leesburg	34745	N	G	235	4,251	235	L	Secondary Shelter;Updated FISH
Carver Middle School	2 Classroom	1200 N. Beecher Street	Leesburg	34745	N	G	952	14,285	1,009	L	Secondary Shelter;Updated FISH
Carver Middle School	3 Classroom	1200 N. Beecher Street	Leesburg	34745	N	G	504	7,713	504	L	Secondary Shelter;Updated FISH
Carver Middle School	4 Cafeteria	1200 N. Beecher Street	Leesburg	34745	N	G	398	9,952	292	L	Secondary Shelter;Updated FISH
Carver Middle School	5 Gymnasium	1200 North Beecher Street	Leesburg	34745	N	G	778	11,667	986	L	Secondary Shelter;Updated FISH
East Ridge High School	21 Classroom	13322 Excalibur Road	Clermont	34711	N	G	846	12,690	929	L	Secondary Shelter; 2012 Updated FISH
East Ridge Middle School	200 Classroom	13201 Excalibur Road	Clemont	34711	N	G	0	0	1,016	L	Secondary Shelter;
East Ridge Middle School	400 Dining	13201 Excalibur Road	Clemont	34711	N	G	368	7,360	368		DOE FISH / 2011 LRDM update
East Ridge Middle School	500 Music	13201 Excalibur Road	Clemont	34711	N	G	157	3,137	157		DOE FISH / 2011 LRDM update
East Ridge Middle School	600 Gymnasium	13201 Excalibur Road	Clemont	34711	N	G	581	11,617	581		DOE FISH / 2011 LRDM update
Eustis Middle School	5 Classroom	18725 East Bates Avenue	Eustis	32726	N	G	793	19,821	632	L	Secondary Shelter; 2012 Updated FISH
Fruitland Park Elementary School	12 Classroom	304 West Fountain Street	Fruitland Park	34731	N	G	272	5,038	272	L	Secondary Shelter;Updated FISH
Grassy Lake Elementary School	1 Dining / ESE / Classroom	1100 Fosgate RD	Minneola	34714	N	G	2,675	53,306	2,675	L	Secondary Shelter; 2012 Updated FISH
Groveland Elementary School	1 ESE / Classroom	930 Parkwood Avenue	Groveland	34736	N	G	613	13,089	613	L	Secondary Shelter; 2012 Updated FISH
Lake Minneola HS	1-Admin / Class	101 N Hancock Road	Minneola	34715	N	G	0	0	1,009	L-Sch Brd	Secondary Shelter;FISH shows 66,623 sqft
Lake Minneola HS	2 Dining	101 N Hancock Road	Minneola	34715	N	G	0	0	379	L-Sch Brd	Secondary Shelter;FISH shows 5,319 sqft
Lake Minneola HS	3-Auditorium	101 N Hancock Road	Minneola	34715	N	G	0	0	117	L-Sch Brd	Secondary Shelter;FISH shows 12,975 sqft
Lake Minneola HS	4-Gymnasium	101 N Hancock Road	Minneola	34715	N	G	0	0	775	L-Sch Brd	Secondary Shelter;FISH shows 20,508 sqft
Leesburg Elementary School	1	2229 South Street	Leesburg	34748	N	G, A	0	0	41	L	Primary Shelter;Updated FISH
Leesburg Elementary School	3 Classroom	2229 South Street	Leesburg	34748	N	P, A				L	SpNS, Primary Shelter
Leesburg Elementary School	4 Dining	2229 South Street	Leesburg	34748	N	G, A	212	4,316	212	L	Primary Shelter;Updated FISH
Leesburg Elementary School	6 Classroom	2229 South Street	Leesburg	34748	N	G, A	249	3,732	272	S-1523	Primary Shelter;Updated FISH
Leesburg High School	15 Gymnasium	1401 West Meadows Ave	Leesburg	34748	N	G	918	13,766	1,063	L	Secondary Shelter;Updated FISH
Lost Lake Elementary School	1 Clinic / Media	1901 Johns Lake Road	Clermont	34711	N	P, A				L	Primary Shelter;FISH shows 922 sqft
Lost Lake Elementary School	2 Classroom	1901 Johns Lake Road	Clermont	34711	N	G, A	251	5,986	251	L	Primary Shelter;Updated FISH
Lost Lake Elementary School	3 Multipurpose	1901 Johns Lake Road	Clermont	34711	N	G, A	303	4,590	303	L	Primary Shelter;Updated FISH
Mascotte Elementary Charter School	1 ESE / Classroom	460 Midway Avenue	Mascotte	34753	N	G, A	929	18,580	929	L	Primary Shelter;Fish Shows 53,866 sqft
Minneola Elementary School	1 – Dining / ESE / Classroom	300 East Pearl Street	Minneola	34755	N	G	1,512	30,239	500	L	Secondary Shelter; Need survey. 48,401 SqFt per FISH
Mount Dora High School	5-media	700 North Highland Ave	Mount Dora	32757	N	G	0	0	129	L	Secondary Shelter;
Mount Dora High School	7 Cafeteria	700 North Highland Ave	Mount Dora	32757	N	G	411	6,237	411	L	Secondary Shelter;Updated FISH
Mount Dora High School	8 Auditorium	700 North Highland Street	Mount Dora	32757	N	G	414	7,897	414	L	Secondary Shelter;Updated FISH
Mount Dora High School	8A Classroom	700 North Highland Street	Mount Dora	32757	N	G	130	2,590		L	
Mount Dora High School	9 Gym	700 North Highland Ave	Mount Dora	32757	N	G	543	11,064	543	L	Secondary Shelter; Updated FISH

**2018 Statewide Emergency Shelter Plan**

**LAKE**

Pine Ridge Elementary	1 Admn	10245 CR 561	Clermont	34711	N	G	83	1,640	83	L	Secondary Shelter; FISH Shows 840 sqft
Pine Ridge Elementary	3 Classroom	10245 CR 561	Clermont	34711	N	G	270	5,712	270	L	Secondary Shelter;Updated FISH
Pine Ridge Elementary	4-food	10245 CR 561	Clermont	34711	N	G	212	4,264	212	L	Secondary Shelter;Updated FISH
Pine Ridge Elementary	6 Classroom	10245 CR 561	Clermont	34711	N	G	249	3,732	272	L	Secondary Shelter;Updated FISH
Round Lake Elementary School	1	31333 Round Lake Road	Mt. Dora	32757	N	G, A	83	1,641	83	L	Primary Shelter
Round Lake Elementary School	3 Classroom	31333 Round Lake Road	Mt. Dora	32757	N	G, A	270	5,701	270	L	Primary Shelter;Updated FISH
Round Lake Elementary School	4 Dining	31333 Round Lake Road	Mt. Dora	32757	N	G, A	212	4,206	212	L	Primary Shelter;Updated FISH
Round Lake Elementary School	6 Classroom	31333 Round Lake Road	Mt. Dora	32757	N	G, A	249	3,742	272	S-1523	Primary Shelter;Updated FISH
Sawgrass Bay Elementary School	1 – Dining / ESE / Classroom	16325 Superior Blvd	Clermont	34714	N	G	2,545	53,306	2,545	L	Secondary Shelter; 2012 Updated FISH
Seminole Springs Elementary School	1	26200 West Huff Road	Eustis	32726	R	G	140	2,623	140	S-1523	Secondary Shelter; FISH Shows 304 sqft
Seminole Springs Elementary School	4 Dining	26200 West Huff Road	Eustis	32726	R	G	198	3,433	198	S-1523	Secondary Shelter
Sorrento Elementary	1	24605 Wallick Road	Sorrento	32776	N	G	0	0	929	L-Sch Brd	Secondary Shelter; Need survey 47,200 sqft
South Lake High School	1	15600 Silver Lake Road	Groveland	34736	R	G	406	7,536	406	L	Secondary Shelter;Updated FISH
South Lake High School	2	15600 Silver Lake Road	Groveland	34736	R	G	466	6,990	503	L	Secondary Shelter;Updated FISH, 1992 YB
South Lake High School	3	15600 Silver Lake Road	Groveland	34736	R	G	481	8,033	481	S-1523	Secondary Shelter;Updated FISH, 1992 YB
South Lake High School	4	15600 Silver Lake Road	Groveland	34736	R	G	265	3,978	534	L	Secondary Shelter;Updated FISH, 1992 YB
South Lake High School	5	15600 Silver Lake Road	Groveland	34736	R	G	100	2,190	100	L	Secondary Shelter;Updated FISH, 1992 YB
South Lake High School	15 Caf	15601 Silver Lake Road	Groveland	34736	N	G	TBD		TBD		needs LRDM 2004 YB
South Lake High School	16	15600 Silver Lake Road	Groveland	34736	N	G	392	7,840	392	L	Secondary Shelter;Updated FISH, 1992 YB
South Lake High School	17 Classroom	15600 Siver Eagle Road	Groveland	34736	N	G	929	18,580	929	L	Secondary Shelter;Updated FISH
Spring Creek Elementary School	1 Clinic / Media	44440 Spring Creek Road	Paisley	32767	R	G	79	1,188	223	S-1523	Secondary Shelter; Gen completed 2012
Spring Creek Elementary School	4 Dining	44440 Spring Creek Road	Paisley	32767	R	G	173	3,346	173	S-1523	Secondary Shelter;Updated FISH. Gen completed 2012
Tavares High School	7 Gym	603 New Hampshire Ave	Tavares	32778	N	G	413	10,337	376	L	Secondary Shelter;Updated FISH
Tavares Middle School	5 Classroom	13032 Lane Park Cutoff	Tavares	32778	N	G, A	632	15,616	632	L	Secondary Shelter;Updated FISH
Treadway Elementary School	11 Classroom	10619 Treadway School Rd	Leesburg	34748	N	G, A	249	3,740	272	L	Primary Shelter;Updated FISH
Treadway Elementary School	12 Classroom	10619 Treadway School Rd	Leesburg	34748	N	G, A	272	5,129	272	L	Primary Shelter;Updated FISH
Treadway Elementary School	13 Dining	10619 Treadway School Rd	Leesburg	34748	N	G, A	212	4,227	212	L	Primary Shelter;Updated FISH
Umatilla Elementary School	1	60 Smith Street	Umatilla	32784	N	G, A	64	966	83	L	Primary Shelter;Updated FISH
Umatilla Elementary School	3 Classroom	60 Smith Street	Umatilla	32784	N	P, A	273	5,466		L	SpNS
Umatilla Elementary School	4 Dining	60 Smith Street	Umatilla	32784	N	G, A	227	4,146	227	L	Primary Shelter;Updated FISH
Umatilla Elementary School	6 Classroom	60 Smith Street	Umatilla	32784	N	G, A	249	3,732	272	L	Primary Shelter;Updated FISH
Umatilla High School	28 Gymnasium	320 North Trowell Ave	Umatilla	32784	N	G, A	382	9,558	379	L	Secondary Shelter;Updated FISH
Villages Elementary School	2 Classroom	695 Rolling Acres Road	Lady Lake	32159	N	G	296	6,176	296	S-1523	Primary Shelter;Updated FISH
Villages Elementary School	3 Dining	695 Rolling Acres Road	Lady Lake	32159	N	G	309	4,629	315	S-1523	Primary Shelter;Updated FISH

**TOTALS FOR LAKE COUNTY    27,645    528,133    31,376**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>27,645</b>	<b>24,960</b>	<b>2,685</b>	<b>528,133</b>			<b>28,933</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**LAKE**

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Leesburg Elementary School	3 Classroom	2229 South Street	Leesburg	34748	N	P, A	135	6,389	135		EHPA. Primary Shelter;updated FISH
Lost Lake ES	1 Clinic / Media	1901 Johns Lake Road	Clemont	34711	N	P, A	23	922	51	L-School Broad	EHPA. Primary Shelter;updated FISH
Umatilla Elementary School	3 Classroom	320 North Trowell Avenue	Umatilla	32784	N	P, A	135	5,697	135		EHPA. Primary Shelter;updated FISH
Villages Elementary School	1	695 Rolling Acres Road	Lady Lake	32159	N	P	21	842	51		Backup SpNS Shelter;updated FISH
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>314</b>	<b>1,414</b>	<b>-1,100</b>	<b>18,840</b>			<b>-66,000</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**LEE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
North Ft. Myers Recreation Center	Entire Building	2000 N Recreation Park Way	N. Ft. Myers	33916	N	G	500	33,000	500	500	L	Added 2014
Veterens Park Rec Center	Gym	55 Homestead Road S	Lehigh Acres	33936	N	G	0	500	500	500		
YMCA	Entire site	E. Terry Avenue	Bonita Springs	33913	N	G	0	0	400	400	new bldg	2006 const EHPA EXITING storm shelter
<b>TOTALS FOR LEE COUNTY</b>							<b>500</b>	<b>33,500</b>	<b>1,400</b>	<b>1,400</b>		

Storm Category	Shelter Capacity In	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity	SUFFICIENT/ T/ Deficit	RESULT
Storm Category 4/5	500	71,410	-70,910	33,500	500	DEFICIT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Constructi	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets)	SpNs Capacity (sf) (meets ARC 4496)	SpNS Capacity (spaces @ 60sf) (does not meet)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F)	Comments
East Lee County HS	Part of site	715 Thomas Sherwin Ave, S	Lehigh Acres	33974	N	P				150	L	150 patients EHPA.
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ T/ Deficit (ft2)	RESULT				
Storm Category 4/5	0	3,285	-3,285	0			-197,100	DEFICIT				

2018 Statewide Emergency Shelter Plan

LEON

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bucklake Elementary School	1	1600 Pedrick Road	Tallahassee	32311	R	G	408	6,123	521	HMGP	
Bucklake Elementary School	2	1600 Pedrick Road	Tallahassee	32311	R	G	298	4,469	400	HMGP	
Bucklake Elementary School	5	1600 Pedrick Road	Tallahassee	32311	R	G	253	3,795	275	HMGP	
Bucklake Elementary School	6	1600 Pedrick Road	Tallahassee	32311	R	G	321	4,772	321	HMGP	
Bucklake Elementary School	7	1600 Pedrick Road	Tallahassee	32311	R	G	110	1,651	140	HMGP	
Bucklake Elementary School	3 & 4	1600 Pedrick Road	Tallahassee	32311	R	G	76	1,145	217	HMGP	
Canopy Oaks Elementary School	1	3250 Point View Drive	Tallahassee	32303	R	G	203	4,060	203	HMGP	
Canopy Oaks Elementary School	2	3250 Point View Drive	Tallahassee	32303	R	G	381	5,710	440	HMGP	
Canopy Oaks Elementary School	3	3250 Point View Drive	Tallahassee	32303	R	G	427	6,400	544	HMGP	
Canopy Oaks Elementary School	4	3250 Point View Drive	Tallahassee	32303	R	G	388	5,827	410	HMGP	
Canopy Oaks Elementary School	5	3250 Point View Drive	Tallahassee	32303	R	G	479	7,040	479	HMGP	
Canopy Oaks Elementary School	6	3250 Point View Drive	Tallahassee	32303	R	G	221	3,310	281	HMGP	
Carolyn Brevard Elementary School	10	2006 Jackson Bluff Road	Tallahassee	32304	R	G	57	853	73	HMGP	
Carolyn Brevard Elementary School	11	2006 Jackson Bluff Road	Tallahassee	32304	R	G	125	1,872	158	HMGP	
Carolyn Brevard Elementary School	12	2006 Jackson Bluff Road	Tallahassee	32304	R	G	113	1,675	113	HMGP	
Carolyn Brevard Elementary School	13	2006 Jackson Bluff Road	Tallahassee	32304	R	G	124	1,860	158	HMGP	
Carolyn Brevard Elementary School	14	2006 Jackson Bluff Road	Tallahassee	32304	R	G	46	690	58	HMGP	
Chaires Elementary School	1	4774 Chaires Crossroads	Tallahassee	32311	R	G	228	5,694	112	HMGP	
Chaires Elementary School	2	4774 Chaires Crossroads	Tallahassee	32311	R	G	253	3,796	323	HMGP	
Chaires Elementary School	5	4774 Chaires Crossroads	Tallahassee	32311	R	G	127	1,901	277	HMGP	
Chaires Elementary School	6	4774 Chaires Crossroads	Tallahassee	32311	R	G	323	4,935	323	HMGP	
Chaires Elementary School	7	4774 Chaires Crossroads	Tallahassee	32311	R	G	174	2,604	221	HMGP	
Chaires Elementary School	3 & 4	4774 Chaires Crossroads	Tallahassee	32311	R	G	128	1,914	166	HMGP	
Conley Elementary School	1	2400 East Orange Avenue	Tallahassee	32301	N	G	67	1,332		EHPA	per plans
Conley Elementary School	2	2400 East Orange Avenue	Tallahassee	32301	N	G	276	5,527		EHPA	per plans
Dearlake Middle School	2	9902 Deerlake Drive West	Tallahassee	32312	R	G	472	7,343	472	HMGP	
Dearlake Middle School	3	9902 Deerlake Drive West	Tallahassee	32312	R	G	472	7,449	472	HMGP	
Dearlake Middle School	4	9902 Deerlake Drive West	Tallahassee	32312	R	G	479	7,360	472	HMGP	
Dearlake Middle School	5	9902 Deerlake Drive West	Tallahassee	32312	R	G	78	1,167	154	HMGP	
Dearlake Middle School	7	9902 Deerlake Drive West	Tallahassee	32312	R	G	150	2,906	150	HMGP	
Desoto Trail Ementary School	1	2930 Velda Dairy Road	Tallahassee	32308	R	G	408	6,123	521	HMGP	
Desoto Trail Ementary School	2	2930 Velda Dairy Road	Tallahassee	32308	R	G	314	4,706	400	HMGP	
Desoto Trail Ementary School	4	2930 Velda Dairy Road	Tallahassee	32308	R	G	106	1,597	179	HMGP	
Desoto Trail Ementary School	5	2930 Velda Dairy Road	Tallahassee	32308	R	G	253	3,795	275	HMGP	
Desoto Trail Ementary School	6	2930 Velda Dairy Road	Tallahassee	32308	R	G	321	4,772	321	HMGP	
Desoto Trail Ementary School	7	2930 Velda Dairy Road	Tallahassee	32308	R	G	110	1,651	140	HMGP	
FAMU 77 Engineering Bldg	77 - 1st floor		Tallahassee	32305	N	G	517	10,341			
Fort Braden Elementary School	1	15100 Blountstown Hwy	Tallahassee	32310	R	G	835	12,523	993	HMGP	
Fort Braden Elementary School	2	15100 Blountstown Hwy	Tallahassee	32310	R	G	394	6,290	394	HMGP	
Fort Braden Elementary School	3	15100 Blountstown Hwy	Tallahassee	32310	R	G	301	4,508	363	HMGP	

2018 Statewide Emergency Shelter Plan

LEON

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Fort Braden Elementary School	4	15100 Blountstown Hwy	Tallahassee	32310	R	G	151	2,268	193	HMGP	
FSU Turnbull	Main	555 W Pensacola Street	Tallahassee	32306	R	G	1,134	22,680		SR	Retrofit 2017
FSU Westside	HCB- CR	989 Learning Center	Tallahassee	32306	R	G	1,962	39,240		SR	Retrofit 2017
FSU Student Services	Main	874 Traditions Way	Tallahassee	32306	R	G	519	10,380		SR	Retrofit 2017
FSU Westside	Diner	1110 Call St	Tallahassee	32306	R	G	414	8,280		SR	Retrofit 2017
FSUS k-12 School	1	3000 School House Rd	Tallahassee	32304	R	G	233	4,660	233	HMGP	
FSUS k-12 School	5	3000 School House Rd	Tallahassee	32304	R	G	367	7,340	367	HMGP	
FSUS k-12 School	6	3000 School House Rd	Tallahassee	32304	R	G	411	8,220	411	HMGP	
FSUS k-12 School	9	3000 School House Rd	Tallahassee	32304	R	G	452	9,040	452	HMGP	
Hartsfield Elementary School	9	1414 Chowkeebin Nene	Tallahassee	32301	R	G	78	1,176	100	HMGP	
Hartsfield Elementary School	10	1414 Chowkeebin Nene	Tallahassee	32301	R	G	69	1,036	88	HMGP	
Hartsfield Elementary School	11	1414 Chowkeebin Nene	Tallahassee	32301	R	G	47	706	136	HMGP	
Hartsfield Elementary School	12	1414 Chowkeebin Nene	Tallahassee	32301	R	G	141	2,108	179	HMGP	
Hartsfield Elementary School	16	1414 Chowkeebin Nene	Tallahassee	32301	R	G	93	1,395	112	HMGP	
Hawks Rise ES	1	205 Meadow Ridge Dr	Tallahassee	32301	R	G	131	2,640	131	HMGP	
Hawks Rise ES	2	205 Meadow Ridge Dr	Tallahassee	32301	R	G	384	5,755	404	HMGP	
Hawks Rise ES	3	205 Meadow Ridge Dr	Tallahassee	32301	R	G	238	3,564	303	HMGP	
Hawks Rise ES	4	205 Meadow Ridge Dr	Tallahassee	32301	R	G	182	2,727	249	HMGP	
Hawks Rise ES	5	205 Meadow Ridge Dr	Tallahassee	32301	R	G	453	6,802	553	HMGP	
Hawks Rise ES	6	205 Meadow Ridge Dr	Tallahassee	32301	R	G	348	5,224	444	HMGP	
Lawton Chiles High School	1	7200 Thomasville Road	Tallahassee	32312	R	G, A	295	5,900	295	HMGP	
Lawton Chiles High School	2	7200 Thomasville Road	Tallahassee	32312	R	G	789	12,591	792	HMGP	
Lawton Chiles High School	7	7200 Thomasville Road	Tallahassee	32312	R	G	1,775	28,379	1,478	HMGP	
Lawton Chiles High School	8	7200 Thomasville Road	Tallahassee	32312	R	G	1,061	17,508	958	HMGP	
Montford Middle School	2	5789 Pimlico Drive	Tallahassee	32309	N	G	385	7,693		EHPA	per plans
Oak Ridge Elem	2	4350 Shelfer Road	Tallahassee	32310	R	G	259	3,889	338	HMGP	
Oak Ridge Elem	6	4350 Shelfer Road	Tallahassee	32310	R	G	254	3,815	292	HMGP	
Roberts ES	1	5777 Centerville Rd	Tallahassee	32309	R	G	521	9,189	521	HMGP	
Roberts ES	2	5777 Centerville Rd	Tallahassee	32309	R	G	608	9,124	674	HMGP	
Roberts ES	3	5777 Centerville Rd	Tallahassee	32309	R	G	291	4,376	291	HMGP	
Roberts ES	4	5777 Centerville Rd	Tallahassee	32309	R	G	295	4,428	553	HMGP	
Springwood Elementary School	1	3801 Fred George Rd	Tallahassee	32303	R	G	380	5,694	484	HMGP	
Springwood Elementary School	2	3801 Fred George Road	Tallahassee	32303	R	G	265	3,976	322	HMGP	
Springwood Elementary School	5	3801 Fred George Road	Tallahassee	32303	R	G	134	2,016	277	HMGP	
Springwood Elementary School	6	3801 Fred George Road	Tallahassee	32303	R	G	322	4,792	322	HMGP	
Springwood Elementary School	7	3801 Fred George Road	Tallahassee	32303	R	G	170	2,554	221	HMGP	
<b>TOTALS FOR LEON COUNTY</b>							<b>26,427</b>	<b>442,651</b>	<b>23,692</b>		

2018 Statewide Emergency Shelter Plan

**LEON**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ T/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>26,427</b>	<b>3,987</b>	<b>22,440</b>	<b>442,651</b>			<b>362,911</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
FSU School	4	Shumard Oak Blvd	Tallahassee	32311	R	P	244	14,660	244		
FSU School	8	Shumard Oak Blvd	Tallahassee	32311	R	P	214	12,860	214		
FSU School	3	Shumard Oak Blvd	Tallahassee	32311	R	P	247	14,860	247	HMGP	
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ T/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>705</b>	<b>600</b>	<b>105</b>	<b>42,300</b>			<b>6,300</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**LEVY**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bronson ES	3 Cafetorium	400 Ishie Ave	Bronson	32621	R	P	275	5,490		S-09/10 1496	Updated 2014
Bronson ES	6 Admin - Media	400 Ishie Ave	Bronson	32621	R	P	0	0	622	S-1435A-2003	SpNS see below
Bronson ES	7 Classroom	400 Ishie Ave	Bronson	32621	R	P	0	0	580	S-1435A-2003	SpNS see below
Bronson ES	4,5,7	400 Ishie Ave	Bronson	32621		G	0	0			
Bronson Middle / High School	300 CR	8691 NE 90th str	Bronson	32621	N	G	577	11,540			
Bronson Middle / High School	400 CR	8691 NE 90th str	Bronson	32621	N	G	281	5,620			
Bronson Middle / High School	500 Gym	8691 NE 90th str	Bronson	32621	N	G	720	14,400			
Bronson Middle / High School	600 Café	8691 NE 90th str	Bronson	32621	N	G	873	17,457		EHPA	DEM Updated 2014 per FISH
Bronson Middle / High School	700 Vo Tech	8691 NE 90th str	Bronson	32621	N	G	165	3,300			
Joyce M. Bullock Elementary School	5 Classroom	130 Southwest 3rd. Street	Williston	32696	R	G	252	5,044	252	S-1435A-2003	2014 LRDM per FISH
Joyce M. Bullock Elementary School	6 Classroom	131 Southwest 3rd. Street	Williston	32696	R	G	252				
Joyce M. Bullock Elementary School	7 Classroom	132 Southwest 3rd. Street	Williston	32696	R	G					
Chiefland Elementary School	100	1205 NW 4th Avenue	Chiefland	32626		G, A	0	0	60		per state study
Chiefland Elementary School	200	1205 NW 4th Avenue	Chiefland	32626	R	G, A	362	7,233	362	S-1467-2005	DEM Updated 2014 per FISH
Chiefland Elementary School	300	1205 NW 4th Avenue	Chiefland	32626	R	G, A	313	6,269	443	S-1588-2006	DEM Updated 2014 per FISH
Chiefland Elementary School	400	1205 NW 4th Avenue	Chiefland	32626	R	G, A	257	5,140	43	S	FY 11/12 1515A: 13-SR-AA-05-48-D3-368
Chiefland Elementary School	500	1206 NW 4th Avenue	Chiefland	32626			0				per eng. Study
Chiefland Elementary School	700	1206 NW 4th Avenue	Chiefland	32626	R		241				retrofit complete 2017
Chiefland High School		808 N. Main Street	Chiefland	32626		G	0	0			
Chiefland Middle School	400 Gym	118 NW 4th Drive	Chiefland	32626		G	0	0			DEM Updated 2014 per FISH
Williston Elementary School	700 Classroom	801 South Main Street	Williston	32696		G	0	0			
Williston High School	6 Dining	427 West Noble Avenue	Williston	32696	R	G	292	4,374	488	S-1435A-2003	
Williston Middle High School	12 Classroom	20550 NE 3rd Avenue	Williston	32696	R	G	400	5,996	495	S-1467-2005	
Williston Middle High School	10 Health	20550 NE 3rd Avenue	Williston	32696	R	G	62	926	130	S-1467-2005	
Williston Middle High School	14 Cafetorium	20550 NE 3rd Avenue	Williston	32696			0	0			
							0	0			
<b>TOTALS FOR LEVY COUNTY</b>							<b>5,322</b>	<b>92,789</b>	<b>3,475</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>5,322</b>	<b>4,184</b>	<b>1,138</b>	<b>92,789</b>			<b>9,109</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											



2018 Statewide Emergency Shelter Plan

**LEVY**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bronson ES	6 Admin - Media	400 Ishie Ave	Bronson	32621	R	P	35	2,125	35	S-1435A-2003	
Bronson ES	7 Classroom	400 Ishie Ave	Bronson	32621	R	P	101	6,084	101	S-1435A-2003	
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>136</b>	<b>19</b>	<b>117</b>	<b>8,160</b>			<b>7,020</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**LIBERTY**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Hosford Elem Junior High School	12 Classroom	16864 NE State Road 65	Hosford	32334		G	219	4,389		S	FY 11 / 12 1515A 13-SR-AA-02-49-03-367 Completed 01-2015
Hosford Elem Junior High School	14 Cafeteria	16864 NE State Road 65	Hosford	32334		G	215	4,306			Built 2008 EHPA, LRDM Survey 2015.
Liberty County Sr High School	19 Classroom	SR 20	Bristol	32321			0	0		L	Built 2007: Unprotected Fenestration
Liberty County Senior Center	1	SR 20	Bristol	32321			17	1,020		L	
W R Toler Elementary School	100 Main	SR 12	Bristol	32321	R	G	185	3,707	185	1508-2005?	Updated Fish Data
W R Toler Elementary School	200 Classroom	SR 12	Bristol	32321	N	G	534	8,011	548	L	Updated Fish Data
W R Toler Elementary School	300 Classroom	SR 12	Bristol	32321	R	G	63	1,262	63	1508-2005?	Updated Fish Data
W R Toler Elementary School	400 Gym	SR 12	Bristol	32321	R	G	352	7,613	352		Updated Fish Data
<b>TOTALS FOR LIBERTY COUNTY</b>							<b>1,585</b>	<b>30,308</b>	<b>1,148</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>1,585</b>	<b>467</b>	<b>1,118</b>	<b>30,308</b>			<b>20,968</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Hosford Elem Junior High School	14 Cafeteria	16864 NE State Road 65	Hosford	32334	N	P	73	4,391	25		LRDM Survey 2015. EHPA.
								0			

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>73</b>	<b>275</b>	<b>-202</b>	<b>4,391</b>			<b>-12,109</b>	<b>DEFICIT</b>		

2018 Statewide Emergency Shelter Plan

**MADISON**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), Program	Comments
Lee Elementary School		731 US Hwy 90 E	Lee	32059							Built 2001 (FISH)
Madison Central School	1 Admin	2093 W US Hwy 90	Madison	32340	R	G	175	2,621	518	S-1435A-2003	Built 2000
Madison Central School	2 Media	2093 W US Hwy 90	Madison	32340	R	G	19	285	721	S-1435A-2003	Built 2000
Madison Central School	3 Tech	2093 W US Hwy 90	Madison	32340	R	G	65	972	490	S-1435A-2003	Built 2000
Madison Central School	4 Classroom	2093 W US Hwy 90	Madison	32340	R	G	134	2,014	265	S-1435A-2003	Built 2000
Madison Central School	5 Classroom	2093 W US Hwy 90	Madison	32340	R	G	511	7,661	833	S-1435A-2003	Built 2000
Madison Central School	6 Classroom	2093 W US Hwy 90	Madison	32340	R	G	444	6,666	768	S-1435A-2003	Built 2000
Madison Central School	7 Classroom	2093 W US Hwy 90	Madison	32340	R	G	429	6,435	728	S-1435A-2003	Built 2000
Madison Central School	8 Classroom	2093 W US Hwy 90	Madison	32340	R	G	563	8,442	796	S-1435A-2003	Built 2000
Madison Central School	9 Classroom	2093 W US Hwy 90	Madison	32340	R	G	478	7,177	659	S-1435A-2003	Built 2000
Madison Central School	10 Classroom	2093 W US Hwy 90	Madison	32340	R	G	622	9,323	802	S-1435A-2003	Built 2000
Madison Central School	11 Band and Art	2093 W US Hwy 90	Madison	32340	R	G	344	5,153	518	S-1435A-2003	Built 2000
Madison Central School	12 Gymnasium	2093 US Hwy 90 W	Madison	32340			0	0			Built 2000 FISH Data = possible 12,332 sqft
Pinetta Elem School	3D Classroom	135 Empress Tree Ave	Pinetta	32350	R	G	124	2,479		S-1496-2009	Built 2000 (LRDM)
Town of Lee-Publ. Saf / Emerg Shelter	Fire	304 North Main Street	Lee	32059	N	G	300	4,632	300	S-EMPA	01CP-04-03-50-02-217 (Built 2003 LRDM)

**TOTALS FOR MADISON COUNTY**

							4,208	63,860	7,398		
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	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>4,208</b>	<b>1,259</b>	<b>2,949</b>	<b>63,860</b>			<b>38,680</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Madison Central		2093 US Hwy 90	Madison	32340	R	P	28	1,680	28		Building # not verified. DOH notes 350 KW Generator - no HVAC
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>28</b>	<b>67</b>	<b>-39</b>	<b>1,680</b>			<b>-2,340</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**MANATEE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Annie Lucy Williams Elementary School	1	3404 Fort Hamer Road	Parrish	34219	N	G	1,451	32,280	1,450	L,S	EHPA, Built 2007, Updated FISH Data
Braden River Elementary School	1	6215 River Club Boulevard	Bradenton	34208	R	G				HMGP	Updated FISH Data / Window protection removed
Braden River Elementary School	2	6215 River Club Boulevard	Bradenton	34208	R	G				HMGP	Updated FISH Data / Window protection removed
Braden River Elementary School	3	6215 River Club Boulevard	Bradenton	34208	R	G				S-1543	Updated FISH Data / Window protection removed
Braden River Elementary School	4	6215 River Club Boulevard	Bradenton	34208	R	G				S-1543	Updated FISH Data / Window protection removed
Braden River Elementary School	5	6215 River Club Boulevard	Bradenton	34208	R	G				S-1543	Updated FISH Data / Window protection removed
Braden River Middle School	2	6215 River Club Boulevard	Bradenton	34202	R	G	447	9,351	447	HMGP	Updated FISH Data
Braden River Middle School	5	6215 River Club Boulevard	Bradenton	34202	R	G	168	2,518	183	S-1543	Updated FISH Data
Braden River Middle School	6	6215 River Club Boulevard	Bradenton	34202	R	G	354	6,447	354	S-1543	Updated FISH Data
Buffalo Creek MS	1 Admin / Clinic / Media / Classroom	7320 69th Street East	Palmetto	34220	N	G	153	3,050			Built 2006. EHPA
Gullett Elementary School	1 Clinic / Classroom (1st Floor)	12125 44th	Bradenton	34202	N	G	866	17,311			Built 2007 EHPA: 2015 LRDM / FISH Data
Gullett Elementary School	2 Media / Multipurpose	12125 44th	Bradenton	34202	N	G	339	6,785			Built 2007 EHPA: 2015 LRDM / FISH Data
Lee Middle School	A	4000 53rd Avenue West	Bradenton	34210	R	G	326	7,849	326	S-1543	
Lee Middle School	B	4000 53rd Avenue West	Bradenton	34210	R	G	326	7,132	326	S-1543	
Lee Middle School	C	4000 53rd Avenue West	Bradenton	34210	R	G	326	7,790	326	S-1543	
Manatee Technical Institute Medical Complex	1 Vocational Classroom	5520 Lakewood Ranch	Bradenton	34202	N	P				EMPA	Built 2001; EHPA
McNeil Elementary	1	6325 Lorraine Road	Bradenton	34202	N	G	1,766	37,095	1,766	L	EHPA; Updated FISH Data
Miller, Jessie P Elem School	1	4201 Manatee	Bradenton	34209	N	G	2,080	41,605			Built 2007 EHPA: Updated FISH Data
Myakka City Elementary School	3	37205 Manatee Avenue	Myakka City	34251	R	G				HMGP	Updated FISH Data / Window protection removed
Myakka City Elementary School	4	37205 Manatee Avenue	Myakka City	34251	R	G				HMGP	Updated FISH Data / Window protection removed
Myakka City Elementary School	6	37205 Manatee Avenue	Myakka City	34251	R	G				HMGP	Updated FISH Data / Window protection removed
Myakka City Elementary School	7	37205 Manatee Avenue	Myakka City	34251	R	G				HMGP	Updated FISH Data / Window protection removed
Myakka City Elementary School	13 Dining	37205 Manatee Avenue	Myakka City	34251	R	G	206	4120	206	L,S	2013 FISH data Building number
R. Dan Nolan Middle School	1	6615 Greenbrook Boulevard	Bradenton	34202	N	G	0	0	3,377	L	Total used for SpNs
Oneco Elementary School	1	2000 53rd Avenue East	Bradenton	34203	R	G	0	0		HMGP	Updated FISH Data
Oneco Elementary School	4	2000 53rd Avenue East	Bradenton	34203	R	G	564	14,102	303	S-1543	Updated FISH Data
Prine Elementary School	1	3801 Southern Paerkway	Bradenton	34205	N	G	2,054	37,733	2,054	L	not done?
Rowlett, William Monroe Elementary School	1	3500 9th Street East	Bradenton	34208	N	G	0	0		F,S	Updated FISH Data
Rowlett, William Monroe Elementary School	3	3500 9th Street East	Bradenton	34208	N	G	616	15,410	530	HMGP	
Rowlett, William Monroe Elementary School	4	3500 9th Street East	Bradenton	34208	R	G	0	0	0		Updated FISH Data
Rowlett, William Monroe Elementary School	6 Classroom	3500 9th Street East	Bradenton	34208	N	G	425	7,075	425	L,S	Built 2009
Tillman Elementary School	3	1415 29th Street East	Palmetto	34221	R	G	0	0	530	HMGP	Updated FISH Data, 1.1' SLOSH
Tillman Elementary School	4	1415 29th Street East	Palmetto	34221	R	G	0	0	145	HMGP	Updated FISH Data

2018 Statewide Emergency Shelter Plan

**MANATEE**

Virgil Mills Elementary School	1 Admin / Media / MultiPurpose / Clinic	7200 69th Street East	Palmetto	34221	N	G, A	1,588	39,695	1,484	L	Built 2004 EHPA: Updated FISH Data
<b>TOTALS FOR MANATEE COUNTY</b>							<b>15,819</b>	<b>340,286</b>	<b>17,328</b>	<b>0</b>	
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>15,819</b>	<b>24,200</b>	<b>-8,241</b>	<b>340,286</b>			<b>340,286</b>	<b>DEFICIT</b>			
<b>Special Needs Storm Shelters</b>											
<b>Name</b>	<b>Bldg #</b>	<b>Address</b>	<b>City</b>	<b>Zip</b>	<b>Retrofitted (R), New Construction (N)</b>	<b>General (G), PSN (P), Pet-Friendly (A)</b>	<b>SpNS Capacity (spaces @ 60sf) (meets ARC 4496)</b>	<b>SpNs Capacity (sf) (meets ARC 4496)</b>	<b>Local Planned Usage</b>	<b>Funding Source: Local (L), State (S), Federal (F), and Program Name</b>	<b>Comments</b>
Manatee Tech Institute	1 Vocational Classroom	5520 Lakewood Ranch	Bradenton	34202	N	P	193	11,788	193		Built 2001; EHPA
R. Dan Nolan MS	1	6615 Greenbrook Blvd	Bradenton	34202	N	P	740	59,175	571		just in time genset contract
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>933</b>	<b>600</b>	<b>333</b>	<b>55,980</b>			<b>55,980</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**MARION**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	SpNS calculation	Comments
Anthony Elementary School		9501 NE Jacksonville Road	Anthony	32617			0	0				
Belleview Elementary School		5556 SE Agnew Road	Belleview	34420			0	0				
Belleview High School	7 Gym	10400 SE 36th Avenue	Belleview	34420		P	0	0				SpNS / DEM updated /per LRDM 2014 : 1sr flr only
Belleview High School	3 Classroom	10400 SE 36th Avenue	Belleview	34420	R/N	P	203	4,060	32	S, L	67	
Belleview High School	4 Classroom	10400 SE 36th Avenue	Belleview	34420	R/N	P	289	5,795	128	S, L	96	
Belleview High School	5 Classroom	10400 SE 36th Avenue	Belleview	34420	R/N	P	118	2,363	46	S, L	39	
Belleview High School	10 Classroom	10400 SE 36th Avenue	Belleview	34420	R/N	P	281	5,637	111	S, L	93	
Belleview Middle School	2 Classroom	10500 SE 36th Avenue	Belleview	34420	R	G	522	4,060	473	HMGP	174	DEM updated 2014 per LRDM
Belleview Middle School	3 Classroom	10500 SE 36th Avenue	Belleview	34420	R	G	545	10,899	430	HMGP	181	DEM updated 2014 per LRDM
Belleview Middle School	4 Classroom	10500 SE 36th Avenue	Belleview	34420	R	P	0	0		HMGP	0	SpNS
Belleview Middle School	8 Gymnasium	10500 SE 36th Avenue	Belleview	34420		G	0	0	1,529			11,248 sqft; 2014 Per DEM LRDM does not meet ARC 4496
Belleview-Santos Elementary School		9600 South US Hwy 441	Belleview	33420			0	0				
Central Florida Community College		3001 SW College Road	Ocala	34474			0	0				
College Park Elementary School		1330 SW 33rd Avenue	Ocala	34474			0	0				
Community Education Center		1014 SW 7th Road	Ocala	34470			0	0				
Dr. N.H. Jones Elementary School		1900 SW 5th Street	Ocala	34474			0	0				
Dunnellon ES		10235 SW 180th Avenue	Dunnellon	34432		G	0	0				
Dunnellon High School	23	10055 SW 180th Ave Rd	Dunnellon	34432		G	251	6,125	251	S-1523- 2002		
Dunnellon High School	24	10055 SW 180th Ave Rd	Dunnellon	34432		G	334	6,363	334	S-1523- 2002		
Dunnellon Middle School		21005 Chestnut Street	Dunnellon	34432		G	0	0				
East Marion Elementary School		14550 NE 14th St Rd	Silver Springs	34488			0	0				
Eighth Street Elementary School		513 SE 8th Street	Ocala	34470			0	0				
Emerald Shores Elementary School		404 Emerald Road	Ocala	34472			0	0				
Evergreen Elementary School		4000 NE W Anthony Road	Ocala	34471			0	0				
Fessenden Elementary School		4200 NW 90th Street	Ocala	34470			0	0				
Forest High School	4 Gym	5000 SE Maricamp	Ocala	34480	N	G	853	21,337	638	S, L		EHPA
Forest High School	3 Auditorium Music/Band	5000 SE Maricamp	Ocala	34480	N	G	454	11,345	267	S, L		EHPA
Forest High School	2 Cafeteria	5000 SE Maricamp	Ocala	34480	N	G	328	5,910	328	S, L		EHPA
Forest High School	11 Classroom	5000 SE Maricamp	Ocala	34480			0	0				
Fort King Middle School		545 NE 17th Avenue	Ocala	34470		G	0	0				
Fort McCoy Elementary / Middle School	12 Classroom	16160 N Highway 315	Fort McCoy	32134		G	279	5,573	765			EHPA: Added by DEM 2014 per LRDM
Fort McCoy School	4 Classroom	16160 N Highway 315	Fort McCoy	32134	R	G	214	4,592	214	HMGP		
Fort McCoy School	5 Classroom	16160 N Highway 315	Fort McCoy	32134	R	G	155	3,873	123	HMGP		
Fort McCoy School	6 Classroom	16160 N Highway 315	Fort McCoy	32134	R	G	214	4,592	214	HMGP		
Fort McCoy School	8 Classroom	16160 N Highway 315	Fort McCoy	32134	R	G	214	4,592	214	HMGP		
Greenway Elementary School		207 Midway Road	Ocala	34472		G	0	0				
Hammett Bowen, Jr ES	1 area A 1&2 Flr Clsrm	4397 SW 95th Street	Ocala	34476	N	G	601	12,025				EHPA: DEM Added 2014 per LRDM

**2018 Statewide Emergency Shelter Plan**

**MARION**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	SpNS calculation	Comments
Hammett Bowen, Jr ES	1 area B 1&2 Flr Classroom	4397 SW 95th Street	Ocala	34476	N	G	747	14,938	1,249			EHPA: DEM Added 2014 per LRDM
Hammett Bowen, Jr ES	1 Area C Café	4397 SW 95th Street	Ocala	34476	N	G	220	4,404				EHPA: DEM Added 2014 per LRDM
Harbour View Elementary School		8445 SE 147th Street	Summerfield	34491			0	0				
Hillcrest School		3143 SE 17th Street	Ocala	34470			0	0				
Horizon Academy (4-8 Mid school)	1 A&B Gymnasium	365 Marion Oaks Drive	Ocala	34473	N	G	605	12,096	755	L		EHPA: DEM Added 2014 per LRDM
Horizon Academy (4-8 Mid school)	1 C&D Café & Classroom	365 Marion Oaks Drive	Ocala	34473	N	G	487	9,749				
Howard Middle School		1108 NW Martin Luther King	Ocala	34470			0	0				
Lake Weir High School	2 Cafeteria	10351 SE Maricamp Road	Ocala	34472	R	G	401	8,012	304	L		EHPA: DEM Added 2014 per LRDM
Lake Weir High School	3 Classroom	10351 SE Maricamp Road	Ocala	34472	R	G	1,242	31,959	1,242	HMGP		per schoolboard, retrofitted 2002. DEM Added 2014 per LRDM
Lake Weir Middle School		10220 SE Sunset Harbor	Summerfield	34491		G	0	0				
Liberty MS (Middle School CC)	1 Gym / Café / Classroom	4773 SW 95th Street	Ocala	34476	N	G	952	23,802	832	L		EHPA
Liberty MS (Middle School CC)	1 A & B Gym	4773 SW 95th Street	Ocala	34476	N	G	577	11,539				EHPA: DEM Added 2014 per LRDM
Liberty MS (Middle School CC)	1 C&D Café & Clsrm	4773 SW 95th Street	Ocala	34476	N	G	483	9,665				EHPA: DEM Added 2014 per LRDM
Madison Street Academy	1 Classroom	1239 NW 4th Street	Ocala	34470	N	G	1,198	23,962	370	S, L		EHPA: DEM Added 2014 per LRDM
Maplewood Elementary School		4751 SE 24th Street	Ocala	34470		G	0	0				
Maplewood Elementary School		4751 SE 24th Street	Ocala	34470		G	0	0				
Marion Institute of Technology (Old Forest HS)		1614 SE Fort King Street	Ocala	34470			0	0				
North Marion High School		151 W Highway 329	Citra	32113			0	0				
North Marion Middle School	3 cafeteria	2085 NW 28th Street	Citra	32113	N	G	227	4,548	227			FISH 2010; DEM LRDM 2014 EHPA
Oakcrest Baptist Church		1109 NE 28th Street	Ocala	34470			0	0				
Oakcrest Elementary School		1112 NE 28th Street	Ocala	34470			0	0				
Ocala City Auditorium		836 NE Sanchez Avenue	Ocala	34470			0	0				
Ocala Springs Elementary School		5757 NE 40th Ave Rd	Ocala	34470			0	0				
Osceola Middle School		526 SE Tusawilla Avenue	Ocala	34471			0	0				
Phoenix Center		2091 NE 35th Street	Ocala	34470			0	0				
Queen of Peace Catholic Church		6455 SW SR 200	Ocala	33474			0	0				
Reddick Collier Elementary School		4595 W Highway 316	Reddick	32686			0	0				
Romeo Elementary School		19550 SW 36th Street	Dunnellon	34432			0	0				
Saddlewood Elementary School	1	3700 SW 43rd Court	Ocala	34473	N	G	0	0		S, L		changed to Media Ctr / Admin
Saddlewood Elementary School	4 Classroom Wing	3700 SW 43rd Court	Ocala	34473	N	G	0	0	196			DEM updated 2014 per LRDM Survey
Saddlewood Elementary School	5 Classroom	3700 SW 43rd Court	Ocala	34473	N	G	262	5,230	152	S, L		DEM Added 2014 per LRDM Survey
Saddlewood Elementary School	6 Cafeteria	3700 SW 43rd Court	Ocala	34473	N	G	194	3,885	152	S, L		DEM updated 2014 per LRDM Survey

**2018 Statewide Emergency Shelter Plan**

**MARION**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	SpNS calculation	Comments
Saddlewood Elementary School	8 Classroom	3700 SW 43rd Court	Ocala	34473	N	G	189	3,777	152	S, L		DEM Added 2014 per LRDM Survey
Shady Hill Elementary School		5959 S Magnolia Avenue	Ocala	34470			0	0				
South Ocala Elementary School		2831 SE Lake Weir Avenue	Ocala	34470			0	0				
Sparr Elementary School		2525 E Highway 329	Ocala	32192			0	0				
St. Jude Catholic Community Church		443 Marion Oaks Drive	Ocala	34474			0	0				
Stanton-Weirsdale Elementary School		16700 SE 134th Terrace	Weirsdale	32195			0	0				
Sunrise Elementary School		375 Marion Oaks Course	Ocala	34473			0	0				
Vanguard High School	1 Classroom	7 NW 28th Street	Ocala	34470	R	G	1,255	25,108	1,032	F,S		DEM updated 2014 per LRDM Survey. Retrofitted in 2002.
Vanguard High School	2 Classroom	7 NW 28th Street	Ocala	34470	N	G	387	5,810	227	L		Built 2007. EHPA
Vanguard High School	3 Classroom	7 NW 28th Street	Ocala	34470	N	G	387	5,812	176			Built 2007. EHPA
Vanguard High School	5 Cafeteria	7 NW 28th Street	Ocala	34470	N	G	386	5,789	274			Built 2007. EHPA
Vanguard High School	4 Classroom	7 NW 28th Street	Ocala	34470		G, A	0	0				Built 1971. Pets Only
Ward-Highlands Elementary School		537 SE 36th Street	Ocala	34471			0	0				
West Port HS	1 Gymnasium	3733 SW 80th Avenue	Ocala	34482	N	G, P	563	11,261	572	S, L		EHPA
West Port HS	6 Auditorium	3733 SW 80th Avenue	Ocala	34482	N	G	629	12,582				DEM updated 2014 per LRDM Survey
Wyomina Park Elementary School		511 NE 12th Avenue	Ocala	34470			0	0				

**TOTALS FOR MARION COUNTY**

**17,247    353,069    14,009**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft <sup>2</sup> )		SUFFICIEN T/ Deficit (ft <sup>2</sup> )	RESULT				
<b>Storm Category 4/5</b>	<b>17,247</b>	<b>18,166</b>	<b>-920</b>	<b>353,069</b>		<b>-10,251</b>	<b>DEFICIT</b>				

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	SpNS calculation	Comments
Belleview HS	3 Classroom (1st Floor)	10400 SE 36th Avenue	Belleview	34420		P	68	4,060	19	S/L		Built 1994 (FISH). LRDM 2013
Belleview HS	4 Classroom	10400 SE 36th Avenue	Belleview	34420		P	236	14,213	115			
Belleview HS	5 Classroom	10400 SE 36th Avenue	Belleview	34420		P	122	9,750	61			
Belleview HS	10 Classroom	10400 SE 36th Avenue	Belleview	34420		P	183	14,603	96			
Belleview HS	8 Media	10400 SE 36th Avenue	Belleview	34420		P	0	0	500			
Belleview MS	4 Classroom	10500 SE 36th Avenue	Belleview	34420		P	210	12,582	157			DEM updated 2014 per LRDM Survey
Westport HS	1 Gymnasium	3733 SW 80th Avenue	Ocala	34482		G, P	122	7,320	122			



2018 Statewide Emergency Shelter Plan

**MARION**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	SpNS calculation	Comments
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT				
Storm Category 4/5	940	1,000	-60	56,422			-3,578	DEFICIT				

2018 Statewide Emergency Shelter Plan

**MARTIN**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bessey Creek ES		2201 SW Matheson Ave	Palm City	34990	R	G	850	17,000	0	F/S	
Challenger School		5200 SE Willoughby Blvd	Stuart	34987	R	P	300	12,000	0	F/S	SpNS
Citrus Grove Elementary	1 ESE / Classroom	2527 SW Citrus Blvd.	Palm City	34990	N	G	1,300	26,000	1,300		Built 2007
Crystal Lake ES		2095 SW 96th Street	Stuart	34997	R	G	849	16,980	0	F/S	
Hidden Oaks Middle School	2 & 3	2801 SW Martin Highway	Palm City	34990	R	G	2,036	40,720	1,500	F/S	per PBSJ report.
Indiantown Middle School	2 & 4	16303 SW Farm Road	Indiantown	34956	N	G	1,050	18,823	1,050	L	
JD Parker Elementary School	1	1050 East 10th St	Stuart	34996	N	G	1,940	38,800	1,940	L/S	County: Facilities EHPA Compliant
Jensen Beach ES		2525 NE Savanna Road	Jensen Beach	34857	R	G	1,300	29,000	0	F/S	
Jensen Beach HS	4	2875 Goldenrod Rd	Jensen Beach	34957	N	G	3,500	62,054	3,500	F/S	AS-IS.
Jensen Beach HS	3	2875 Goldenrod Rd	Jensen Beach	34957	N	G	1,247	24,936	0	L	
Jensen Beach HS	5	2876 Goldenrod Rd	Jensen Beach	34958	N	G	335	6,698	0		
Palm City Elementary School		1951 SW 34th Street	Palm City	34990			0	0			not available in 2004.
Pinewood ES	2	5200 SE Willoughby Blvd	Stuart	34997		G	190	3,799	0		need to confirm ASCE-7.
Pinewood ES	3	5200 SE Willoughby Blvd	Stuart	34997		G	193	3,865	0		need to confirm ASCE-7.
Pinewood ES	4	5200 SE Willoughby Blvd	Stuart	34997		G	342	6,830	0		need to confirm ASCE-7.
Pinewood ES	7	5200 SE Willoughby Blvd	Stuart	34997		G	248	4,950	0		need to confirm ASCE-7.
Pinewood ES	8	5200 SE Willoughby Blvd	Stuart	34997		G	123	2,463	0		need to confirm ASCE-7.
Pinewood ES	9	5200 SE Willoughby Blvd	Stuart	34997		G	239	4,783	0		need to confirm ASCE-7.
Pinewood ES	10 Classroom	5201 SE Willoughby Blvd	Stuart	34998	N	G	249	4,996	0		EHPA. Built 2007
Port Salerno Elementary School	1 Classroom	4890 SE Jack Ave	Stuart	34997	N	G	1,300	26,000	1,300	F/S	per PBSJ report.
Seawind Elementary School	2, 3, 5, 6	3700 SE Seabranh Blvd	Stuart	33455	R	G	850	15,998	850	F/S	
Seawind Elementary School	9 Classroom	3701 SE Seabranh Blvd	Stuart	33456	N	G	320	6,394	0		EHPA. Built 2008
South Fork		10205 SW Pratt & Whitney	Stuart	34997			0	0	0		new building planned county requesting EHPA completion 2019
Warfield Elementary School	21 & 24	15261 SW 50th Street	Indiantown	34956	N	G	450	10,682	450	L	
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>19,211</b>	<b>5,331</b>	<b>13,880</b>	<b>383,771</b>			<b>383,771</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**MARTIN**

Special Needs Storm Shelters

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Challenger School ES		5200 SE Willoughby Blvd	Stuart	34987		P	300	18,000	0		Backup SpNs
David L. Anderson MS	1 - Aud. & Cafeteria	7000 SE Atlantic Ridge Dr	Stuart	34997		P	142	8,563			
David L. Anderson MS	2	7000 SE Atlantic Ridge Dr	Stuart	34997	N	P	213	12,801			
David L. Anderson MS	3	7000 SE Atlantic Ridge Dr	Stuart	34997	N	P	218	13,085			
David L. Anderson MS	4	7000 SE Atlantic Ridge Dr	Stuart	34997	N	P	223	13,370			
David L. Anderson MS	5- Gym	7000 Sw Atlantic Ridge Dr	Stuart	34997		P	273	16,412	300		
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>1,369</b>	<b>400</b>	<b>969</b>	<b>82,140</b>			<b>82,140</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

MIAMI-DADE

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal	Comments
American Senior High	1	12850 NW 67th Av	Miami	33015	R	G	4,014	100,340		2,558	S-1523-200	updated FISH
American Senior High	4	12850 NW 67th Av	Miami	33015	R	G	151	3,786		0	S-1523-200	updated FISH
Andover Middle School	01A Admin / Clinic / Music	121NE 207th Stree	Miami Gard	33179	N	G	98	1,957				2015 LRDM Survey. Built 2006
Andover Middle School	East Part Classroom	121NE 207th Stree	Miami Gard	33179	N	G	66	1,328				2015 LRDM Survey. Built 2006
Andover Middle School	north Part Classroom	121NE 207th Stree	Miami Gard	33179	N	G	276	5,520				2015 LRDM Survey. Built 2006
Andover Middle School	South Part Classroom	121NE 207th Stree	Miami Gard	33179	N	G	217	4,339				2015 LRDM Survey. Built 2006
Andover Middle School	East Part Classroom	121NE 207th Stree	Miami Gard	33179	N	G	276	5,528				2015 LRDM Survey. Built 2006
Andover Middle School	South Part Classroom	121NE 207th Stree	Miami Gard	33179	N	G	132	2,644				2015 LRDM Survey. Built 2006
Andover Middle School	West Part Classroom	121NE 207th Stree	Miami Gard	33179	N	G	207	4,138				2015 LRDM Survey. Built 2006
Andover Middle School	04B Classroom	121NE 207th Stree	Miami Gard	33179	N	G	187	3,743				2015 LRDM Survey. Built 2006
Andover Middle School	05F Dining	121NE 207th Stree	Miami Gard	33179	N	G	280	5,605				2015 LRDM Survey. Built 2006
Bob Graham Education Center	8	15901 NW 79th Av	Miami Lake	33016		G	700	14,000				
Brentwood Elementary Center	4	3131 NW 191st Str	Miami	33056	R	G	570	8,543		865	L	updated FISH
Chiles, Lawton Middle School	01 Area A Admin / Clinic	8190 NW 197 Stre	Miami	33015	N	G	33	664				2015 LRDM Survey. Built 1998
Chiles, Lawton Middle School	02 Area B Classrm (3	8190 NW 197 Stre	Miami	33015	N	G	466	9,314				2015 LRDM Survey. Built 1998
Chiles, Lawton Middle School	02 Area C Classrm (3	8190 NW 197 Stre	Miami	33015	N	G	1,240	24,808				2015 LRDM Survey. Built 1998
Chiles, Lawton Middle School	03 Area D South Gym	8190 NW 197 Stre	Miami	33015	N	G	83	1,666				2015 LRDM Survey. Built 1998
Chiles, Lawton Middle School	03 Area F north	8190 NW 197 Stre	Miami	33015	N	G	319	6,384				2015 LRDM Survey. Built 1998
Chiles, Lawton Middle School	03 Area F South	8190 NW 197 Stre	Miami	33015	N	G	322	6,439				2015 LRDM Survey. Built 1998
Chiles, Lawton Middle School	04 Classrooms	8190 NW 197 Stre	Miami	33015	N	G	392	7,842				2015 LRDM Survey. Built 2005
Citrus Grove Middle School	1	21153 NW 3rd Stre	Miami	33125	R	G	1,732	43,289		1,700	Hmgrp	Updated FISH Data
Citrus Grove Middle School	2	21153 NW 3rd Stre	Miami	33125	R	G	1,063	26,565				Updated FISH Data
Country Club Middle	1 Admin / Classroom	18305 NW 75 Plac	Miami	33015	N	G	289	5,789				2015 LRDM Survey. Built 2005
Country Club Middle	02 Dinning / Stage /	18305 NW 75 Plac	Miami	33015	N	G	447	8,945				2015 LRDM Survey. Built 2005
Country Club Middle	03 Area A / Classrm /	18305 NW 75 Plac	Miami	33015	N	G	1,590	31,790		2,089		2015 LRDM Survey. Built 2005
Country Club Middle	03 Area B / Classrm /	18305 NW 75 Plac	Miami	33015	N	G	770	15,401		2,089		2015 LRDM Survey. Built 2005
Doral Middle School		5005 NW 112 Aver	Miami	33178	N, R?	G	1,360	27,200		1,360	L	per master list

2018 Statewide Emergency Shelter Plan

MIAMI-DADE

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Douglas, Marjory Stoneman Elementary	campus	11901 SW 2nd Street	Miami	33184	R	G	1,569	31,380		1,569		per master list
Drew, Charles Middle School		1801 NW 60th Street	Miami	33142	R	G	1,050	21,000		1,050		Per 2010 SESP;Bldg#'s required
Dunbar Elementary School		505 NW 20th Street	Miami	33127	R	G	786	15,720		786		Per 2010 SESP;Bldg#'s required
Fascell, Dante Elementary School		15625 SW 80th Street	Miami	33193		G	0	0		931		Per 2010 SESP;Bldg#'s required, possible Cat 5 zone
Finlay, Carlos Elementary	1	851 SW 117 Avenue	Miami	33174		G	0	0		1,407		Updated FISH Data, LPU total, possible Cat 5 zone
Finlay, Carlos Elementary	3	851 SW 117 Avenue	Miami	33174		G	0	0				Updated FISH Data, possible Cat 5 Zone
Finlay, Carlos Elementary	4	851 SW 117 Avenue	Miami	33174		G	0	0				Updated FISH Data, possible Cat 5 Zone
Florida Int University (Univ Park Campus)	Dorms	11200 SW 8th Street	Miami	33165		G	0	0				For FIU students only
G. Holmes Braddock HS	5	3601 SW 147th ave	Miami	33186	N	G	604	12,082				EHPA
Goleman Senior High	1 & 4	14100 NW 89th Ave	Miami	33016	R	G				800	S-1523	
Goleman Senior High	1 Classroom	14100 NW 89th Ave	Miami	33016	R	G	2,532	50,647			S-1523	Surveyed 9/2014
Goleman Senior High	3 Auditorium	14100 NW 89th Ave	Miami	33016	R	G	466	9,315				Surveyed 9/2014
Goleman Senior High	4 Classroom	14100 NW 89th Ave	Miami	33016	R	G	536	10,717			s-1523-200	Surveyed 9/2014
Goleman Senior High	5 Classroom	14100 NW 89th Ave	Miami	33016	R	G	324	6,471				Surveyed 9/2014
Goleman High School	8 Classroom	14100 NW 89th Ave	Miami	33016	R	G	517	10,341			s-1523-200	Surveyed 9/2014
Goleman High School	9 PE & Science	14100 NW 89th Ave	Miami	33016	R	G	508	10,160			s-1523-200	Surveyed 9/2014
Goleman High School	8 & 9	14100 NW 89th Ave	Miami	33016	R	G				1,356	s-1523-2002	
Goleman Senior High	12 Classroom	14100 NW 89th Ave	Miami	33016	R	G	332	6,642				Surveyed 9/2014
Hall, Joe Elementary School	2 thru 8	1901 SW 134th Ave	Miami	33175		G	914	20,907		914		no surge
Hammocks Middle School		9889 Hammocks Blvd	Miami	33196		G	0	0		1,467		Per 2010 SESP;Bldg#'s required, possible Cat 5 zone
Hartner Elementary School		401 NW 29th Street	Miami	33127		G	1,306	26,120		1,306		Per 2010 SESP;Bldg#'s required
Hialeah Gardens Senior High	7	11700 Hialeah Gardens	Hialeah Gardens	33018	N	G	2,934	58,688				per master list
Hialeah Senior		251 East 49 Street	Hialeah	33013	N	G	1,352	27,040		1,352	L	2010 SESP
Hialeah-Miami Lakes High School		7977 W 12th Avenue	Hialeah	33014		G	1,264	25,280		1,264		Per 2010 SESP; Bldg#'s required
Kinloch Park Middle		4340 NW 3rd street	Miami	33126		G	1,336	26,720				
Dr Michae M Krop HS		1410 NE County Line	N Miami Beach	33179		G, A				3,383		Per 2010 SESP
Dr Michae M Krop HS	1 (area G3A) Admin.	1410 NE 215 Street	Ives Estates	33179	R	G	52	1,040				Surveyed 9/2014

2018 Statewide Emergency Shelter Plan

MIAMI-DADE

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Dr Michae M Krop HS	2 (area A3A) Classroom	1410 NE 215 Stree	Ives Estate	33179	R	G	1,546	30,926				Surveyed 9/2014
Dr Michae M Krop HS	2 (area A3B) Classroom	1410 NE 215 Stree	Ives Estate	33179	R	G	1,197	23,939				Surveyed 9/2014
Dr Michae M Krop HS	2 (area A3C) Classroom	1410 NE 215 Stree	Ives Estate	33179	R	G	1,029	20,572				Surveyed 9/2014
Dr Michae M Krop HS	3 (area D3A) Gymnasium	1410 NE 215 Stree	Ives Estate	33179	R	G	0	0				Surveyed 9/2014. Needs Fenestration protection
Dr Michae M Krop HS	3 (area D3B) Classroom	1410 NE 215 Stree	Ives Estate	33179	R	G	69	1,376				Surveyed 9/2014
Dr Michae M Krop HS	3 (area E3) Cafeteria	1410 NE 215 Stree	Ives Estate	33179	R	G	284	5,670				Surveyed 9/2014
Dr Michae M Krop HS	3 (area F3A) Classroom	1410 NE 215 Stree	Ives Estate	33179	R	G	183	3,668				Surveyed 9/2014
Dr Michae M Krop HS	3 (area F3B) Auditorium	1410 NE 215 Stree	Ives Estate	33179	R	G	361	7,220				Surveyed 9/2014
Dr Michae M Krop HS	3 (area F3C) Classroom	1410 NE 215 Stree	Ives Estate	33179	R	G	417	8,345				Surveyed 9/2014
Florida International University - Golden Panther		10810 SW Univers	Miami	33174	N	G	576	11,515				Based on 2014 LRDM Survey
Lake Stevens Elementary School		5101 NW 183rd Av	Miami	33055		G	1,018	20,360		1,018		Per 2010 SESP; Bldg#'s required
Lorah Park Elementary School		5160 NW 31st Ave	Miami	33142		G	840	16,800		840		Per 2010 SESP; Bldg#'s required
Miami Central Senior	Gym	1781 NW 95th stre	Miami	33147	N	G	1,718	34,351				EHPA
Miami Carol City Senior High School	1A Admin, Media &	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	520	10,406				2014 LRDM
Miami Carol City Senior High School	1B Admin, Media &	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	307	6,140				2014 LRDM
Miami Carol City Senior High School	1C Classroom	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	999	19,972				2014 LRDM
Miami Carol City Senior High School	1D Classroom /	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	337	6,734				2014 LRDM
Miami Carol City Senior High School	3A Gymnasium	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	1,131	22,615				2014 LRDM
Miami Carol City Senior High School	3B Lockers / Classroom	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	190	3,806				2014 LRDM
Miami Carol City Senior High School	4A Auditorium	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	404	8,080				2014 LRDM
Miami Carol City Senior High School	4 B Music Classroom	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	276	5,523				2014 LRDM
Miami Carol City Senior High School	4C Cafeteria	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	605	12,106				2014 LRDM
Miami Carol City Senior High School	5 Vocational	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	102	2,038				2014 LRDM
Miami Carol City Senior High School	6 Classroom	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	1,129	22,576				2015 LRDM Survey. Built 2007
Miami Carol City Senior High School	7 Admin, Clinic & ESE	3301 Miami Gardens Drive	Miami Gardens	33056	N	G	485	9,700				Surveyed 10/2014
MDC West Miami Dade College	1000 Multipurpose	3800 NW 115th Av	Doral	33178	N	G	3,262	65,236				2014 LRDM
MDC West Miami Dade College	2000 Classroom	3800 NW 115th Av	Doral	33178	N	G	1,355	27,101				2014 LRDM

**2018 Statewide Emergency Shelter Plan**

**MIAMI-DADE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal	Comments
Miami -Dade Homeless Assistance					R	G	1,000	20,000		1,000	L,S	
Miami Killian High School		10655 SW 97th Ave	Miami	33176		G	420	8,400		420		Per 2010 SESP
Miami Lakes Education Center	6	5780 NW 158th St	Miami Lakes	33014		G	500	10,000				
Miami Norland Senior High	18 Gym	1050 NW 195th St	Miami	33169	N	G	687	15,239		687	L	Updated FISH Data
Miami Northwestern High School	1	7007 NW 13th Ave	Miami	33150	R	G	2,420	48,400		2,420	L,S	Per 2010 SESP; Room#'s required
Morgan, Robert Senior High	18	18180 SW 122 Ave	Miami	33177	N	G	546	10,913		1,000	L	Updated FISH Data
Morgan, Robert Senior High	15	18180 SW 122 Ave	Miami	33177		G	619	12,385			L	Per 2010 SESP
Morgan, Robert Senior High	16	18180 SW 122 Ave	Miami	33177		G	557	11,136			L	Per 2010 SESP
Morgan, Robert Senior High	17-Gym	18180 SW 122 Ave	Miami	33177		G	867	17,332			L	Per 2010 SESP
North Miami Beach High School	7	1247 NE 167th St	N Miami Be	33162	R	G	1,066	15,997		3,152		per master list
North Miami High School		13110 NE 8 Avenu	N Miami	33162	R	G	549	8,230		1,000		per master list
North Miami Middle School	Campus	13105 NE 7th Ave	N Miami Be	33161	R	G	991	24,772		450	L, S	Per 2010 SESP
North Miami Middle School	1 & 2	700 NE 137 St	North Miami	33161	N	G	506	10,136	506			not yet surveyed
Norwood Elementary School	4, 6	19810 NW 14th Co	Miami	33169	R	G	368	5,519		895		Per 2010 SESP
Olinda Elementary School	7	5536 NW 21st Ave	Miami	33142	R	G	357	5,361		899		per master list
Orchard Villa Elementary School	1	5720 NW 13th Ave	Miami	33142	R	G	1,067	16,011		1,179		per master list
Palm Lakes Elementary School	5	7450 W 16th Aven	Hialeah	33014	R	G	653	16,332		649		per master list
Palm Springs North Elementary School		17615 NW 82nd Av	Hialeah	33015	R	G	982	14,714		1,029		per master list
Pharr, Kelsey Elementary School	1,5	2000 NW 46th Stre	Miami	33142	R	G	499	9,979		511		per master list
Reagan, Ronald Senior High		8600 NW 107th Av	Doral	33178	N	G	2,943	58,868		2,943	L	EHPA;2010 SESP
Reland Middle School		16001 SW 248th st	Miami	33031		G	500	10,000				
Richmond Heights Middle School		15015 SW 103rd A	Miami	33175		G	1,000	20,000				
Shenandoah Elementary School	3	1023 SW 21st Ave	Miami	33135	R	G	758	18,955		500	L	Updated FISH
Sheppard, Ben Elementary School	1 thru 10	5700 W 24th Aven	Hialeah	33016	R	G	1,751	28,254		1,420		per master list
Southwest Miami Senior	5	8850 SW 50th Ter	miami	33165	N	G	1,186	47,426	1,186			not yet surveyed
Stirrup Elementary School	1 thru 9	330 NW 97th Aven	Miami	33172	R	G	839	20,938		775		Per 2010 SESP
E. Darwin Fuchs Pavillion		10901 SW 24th Str	Miami	33165	R	G, A	2,109	42,189		500		Per DEM 2013/14 LRDM

2018 Statewide Emergency Shelter Plan

**MIAMI-DADE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal	Comments
Van Blanton Elementary School	1,3	10327 NW 11th Av	Miami	33150	R	G	1,248	24,960		1,150	L, S	per master list
Washington, Booker T. Senior High	12a	1200 NW 6th Aven	Miami	33136	N	G	1,067	21,334				Updated FISH
Washington, Booker T. Senior High	13	1200 NW 6th Aven	Miami	33136	N	G	428	8,560				Updated FISH
Washington, Booker T. Senior High	14	1200 NW 6th Aven	Miami	33136	N	G	0	0		0	L	see SpNS
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>				
<b>Storm Category 4/5</b>	<b>84,486</b>	<b>97,855</b>	<b>-13,369</b>	<b>1,736,952</b>			<b>-220,148</b>	<b>DEFICIT</b>				

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @	SpNS Capacity (sf) (meets	SpNS Capacity (spaces	Local Planned Usage	Funding Source: Local	Comments
Jose Marti MS (2nd Tier)	Campus	5701 W 24th Aven	Hialeah	33016	R	P	578	43,322		500		per master list
Miami Jackson Senior HS		1751 NW 36th Stre	Miami	33142	R	P	565	33,900		565		Per 2010 SESP; Bldg#'s required
Miami Edison HS (1st Tier)		6161 NW 5th Cour	Miami	33127	R	P	500	30,000		500		Per 2010 SESP; Bldg#'s required
Booker T. Washington Senior High	14 CR	1200 NW 6th Aven	Miami	33136	N	P	1,028	24,227		1,028	L	EHPA. Updated FISH Data
Rubin Dario MS (1st Tier)	1, 2	350 NW 97th Aven	Miami	33172	R	P	637	47,731		500		per master list
	<b>SpNS Shelter Capacity In</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In</b>	<b>SpNS Shelter Capacity</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>				
<b>Storm Category 4/5</b>	<b>3,308</b>	<b>2,717</b>	<b>591</b>	<b>198,480</b>			<b>35,460</b>	<b>SUFFICIENT</b>				



2018 Statewide Emergency Shelter Plan

**MONROE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Florida Intl' Univ (Univ Park Campus)	PC (Primera Casa / CE Perry)	11200 SW 8th Street	Miami	33165	R	G	0	0	1,289		Gen Pop Only
Florida Intl' Univ (Univ Park Campus)	40 - Rec Ctr (1st flr only)	11200 SW 8th Street	Miami	33199	N	G	602	10,220	602		Gen Pop Only
<b>TOTALS FOR MONROE COUNTY</b>							<b>602</b>	<b>10,220</b>	<b>1,473</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>602</b>	<b>2,590</b>	<b>-1,988</b>	<b>10,220</b>			<b>-41,580</b>	<b>DEFICIT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Florida Intl' Univ (Univ Park Campus)	40 - Rec Ctr (2nd floor only)	11200 SW 8th Street	Miami	33199	N	P	121	5,443	91		1st Flr G=10220 SF, 2nd Flr P=5443- Note Shelter dual use (G & P)

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>121</b>	<b>461</b>	<b>-340</b>	<b>7,260</b>			<b>-20,400</b>	<b>DEFICIT</b>		

2018 Statewide Emergency Shelter Plan

**MONROE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Sugarloaf	16	RT 2 Crane RD	Sugarloaf key	33042	N	G, A	0	0	0		COPS
Sugarloaf MS	café	255 Crane Rd	Sugarloaf key	33042		G	0	0	0	352	COPS

**2018 Statewide Emergency Shelter Plan**

**NASSAU**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bryceville Elementary School	8 Media	6504 Church Rd	Bryceville	32009	N	G	128	2,550	64		Needs to be reviewed By EM (DEM)
Callahan Elementary School	6 Cafeteria	449618 US Hwy 301	Callahan	32011		G	0	0	326		2015 LRDM. Generator hook-up for lights only
Callahan Intermediate School	1 Main	34586 Ball Park Rd	Callahan	32011	R	G	0	0	326	L	Needs verification
Callahan Middle School	8 & 15 Cafeteria	450121 Old Dixie Hwy	Callahan	32011	N	G, A	528	7,952	311		Bldg 8 Classroom (built 1982) is pet building only
Hilliard Elementary School	1 Main	275568 Ohio St	Hilliard	32046	R	G	326	5,618	326	L	Generator hook-up for lights only
Hilliard Elementary School	4 Classroom	275568 Ohio St	Hilliard	32046	R	G	213	4,250		S	
Hilliard Elementary School	5 Classroom	275568 Ohio St	Hilliard	32046	R	G	109	2,176		S	
Hilliard Elementary School	6 Classroom	275568 Ohio St	Hilliard	32046	R	G	202	4,032		S	
Hilliard Elementary School	10 Classroom	275568 Ohio St	Hilliard	32046	R	G	384	7,680		S	
Hillard Middle / Senior High School	15 Cafeteria	1 Flashes Ave	Hilliard	32046	N	P, A	0	0	105	L	SpNS see below.
West Nassau Sr High School	6 Cafeteria	1 Warrior Drive	Callahan	32011	N	G	561	8,579	280	L	Built 2001. 2015 LRDM. 2nd tier, Bldg 06-09 can be used as staff / registration area
Yulee Elementary School	2 Classroom	86063 Felmore Rd	Yulee	32097	N	G, A	196	3,927		S	
Yulee Elementary School	3 Classroom	86063 Felmore Rd	Yulee	32097	N	G, A	208	4,152		S	
Yulee Elementary School	7 Classroom	86063 Felmore Rd	Yulee	32097	N	G, A			0		Built 1996. Building 7 is pet ONLY. Generator hook-up for lights only
Yulee Elementary School	9 Cafeteria	86063 Felmore Rd	Yulee	32097	N	G	370	5,867	185		Built 1996. Generator hook-up for lights only
Yulee High School	4 Gym & 6 Dining	85375 Miner Rd	Yulee	32097	N	G	1,373	34,325	965	L	Built 2005. EHPA. 2015 LRDM
Yulee Middle School	3, 4, 5, 6	85439 Miner Rd	Yulee	32097	N	G	965	19,302	965	L	per master list
Yulee Primary School	7 Cafeteria	86426 Goodbread Rd	Yulee	32097		G	0	0	129		2015 LRDM Surveyed
Wild Light Elementary School	under construction				N						scheduled to be online 2018-2019 Bldg 1,2 EHPA
<b>TOTALS FOR NASSAU COUNTY</b>							<b>5,562</b>	<b>110,410</b>	<b>3,982</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>5,562</b>	<b>5,318</b>	<b>244</b>	<b>110,410</b>			<b>4,050</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											

**2018 Statewide Emergency Shelter Plan**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Hilliard Middle / Senior School	15 Cafeteria	1 Flashes Ave	Hilliard	32046	N	P, A	156	8,838	105	L	Bldg 06 is pet-friendly building
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>156</b>	<b>208</b>	<b>-52</b>	<b>9,360</b>			<b>-3,120</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**OKALOOSA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Antioch Elementary School	1	4700 Whitehurst Lane	Crestview	32536	R	G, A	1,302	26,058	1,737	S-1467-2004	
Baker High School	8 KClassroom	1369 14th Street	Baker	32531	R	G	51	1,026	51	S 10/11 1617	Retrofit completed 2013, updated 2017
Baker High School		1369 14th Street	Baker	32531	R	G	56	1,127	56	S 10/11 1617	Retrofit completed 2013, updated 2017
Baker High School	17 Sci Classroom	1369 14th Street	Baker	32531	R	G	228	4,555	228	S 10/11 1617	Retrofit completed 2013, updated 2017
Baker High School	18 Auditorium	1369 14th Street	Baker	32531	R	G	303	6,052	103	S 10/11 1617	Retrofit completed 2013, updated 2017
Choctawhatchee High School	1 E	110 Racetrack Road NW	Fort Walton Beach	32547	R	G	326	6,525	435	L	
Crestview HS	11-Classroom	1304 North Ferdon Blvd	Crestview	32536		G	304	6,080	304	S 10/11 1617	Retrofit completed 2013
Davidson Middle School	1 Main	6261 Old Bethel Road	Crestview	32536	R	G, A	2,204	44,092	3,267	S	
Kenwood Elementary School	10 Classroom	634 Eagle Street	Fort Walton Beach	32547	R	G	350	7,004	467	L	
Laurel Hill HS	8 Classroom	8078 4th Street	Laurel Hill	32567	R	G	115	2,294	115	S 10/11 1617	Retrofit completed 2013
Riverside Elementary School	Wings A-B	3400 Redstone Ave	Crestview	32539	N	G	677	10,151	677		
Riverside Elementary School	Wing C-200	3400 Redstone Ave	Crestview	32539	N	G	350	5,396	360		
Riverside Elementary School	Wing D-300	3400 Redstone Ave	Crestview	32539	N	G	360	5,396	360		
Riverside Elementary School	Wing E-400	3400 Redstone Ave	Crestview	32539	N	G	360	5,396	360		
Riverside Elementary School	Wing F-500	3400 Redstone Ave	Crestview	32539	N	G	397	5,955	397		
Riverside Elementary School	Wing G-600	3400 Redstone Ave	Crestview	32539	N	G	457	6,856	457		
Shaol River Middle School	Main	3200 Redstone Ave	Crestview	32539	N	G	1,240	18,595	1,240		
Shaol River Middle School	Wing A-Gym	3200 Redstone Ave	Crestview	32539	N	G	838	12,568	838		
Shaol River Middle School	Wing B 6th grade	3200 Redstone Ave	Crestview	32539	N	G	541	8,118	541		
Shaol River Middle School	Wing C-7th grade	3200 Redstone Ave	Crestview	32539	N	G	492	7,386	492		
Shaol River Middle School	Wing D-8th grade	3200 Redstone Ave	Crestview	32539	N	G	542	8,131	542		
<b>TOTALS FOR OKALOOSA COUNTY</b>							<b>11,492</b>	<b>198,761</b>	<b>13,027</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIEN T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>11,492</b>	<b>5927</b>	<b>5,242</b>	<b>198,761</b>			<b>3,386</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											

**2018 Statewide Emergency Shelter Plan**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Davidson Middle School	1A	6261 Old Bethel Road	Crestview	32536	R	P, A	82	4,920	82	S	SR grant to fix drainage 2016
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>82</b>	<b>100</b>	<b>-18</b>	<b>4,920</b>			<b>0</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**OKEECHOBEE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Central Elementary School	14-CR	610 SW 5th Avenue	Okeechobee	34972	N	G					needs fenestration protection
Everglades Elementary School	9-CR	3725 SE 8th Street	Okeechobee	34972	N	G					needs fenestration protection
IRSC	Bldg C Conference	2229 NW 9th Avenue	Okeechobee	34972	N	G	336	6,723			meets, EHPA
North Elementary School	3-CR	3000 NW 10th Terrace	Okeechobee	34972	N						needs fenestration protection
North Elementary School	1-Main	3000 NW 10th Terrace	Okeechobee	34972	N						needs eng study, fenestration protection
Okeechobee Achievement Academy	1 - Dining / Classrooms	1000 NW 34st	Okeechobee	34972	N	G	839	16,787			Opened 2013 , meets,EHPA
Osceola Middle School	2- CR	825 SW 21st Street	Okeechobee	34972	R	G	143	2,423	298	HMGP	Interior corridor only
Osceola Middle School	3	825 SW 21st Street	Okeechobee	34972	R	G	131	2,423	298	HMGP	Interior corridor only
Osceola Middle School	5- Dining	826 SW 21st Street	Okeechobee	34972							needs eng study, fenestration protection
Osceola Middle School	6	825 SW 21st Street	Okeechobee	34972	R	G	50	1,018	297	HMGP	Interior corridor only
Osceola Middle School	7 Gym	825 SW 21st Street	Okeechobee	34972	R	G	0	0	0	HMGP	retrofit products removed
Osceola Middle School	10	825 SW 21st Street	Okeechobee	34972	N	G	140	2,800			Interior corridor only, windows not verified
Public Health Center		1728 NW 9th Avenue	Okeechobee	34972	R	G	0	0			TBD
Seminole Elementary School	2 Dining, Music	2690 NW 42nd Avenue	Okeechobee	34972			0	0			needs fenestration protection
Seminole Elementary School	3 CR	2691 NW 42nd Avenue	Okeechobee	34972							needs fenestration protection
Seminole Elementary School	5 CR	2692 NW 42nd Avenue	Okeechobee	34972							needs fenestration protection
Seminole Elementary School	6 CR	2693 NW 42nd Avenue	Okeechobee	34972							needs fenestration protection
Seminole Elementary School	7 Classroom	2690 NW 42nd Avenue	Okeechobee	34972			0	0			needs fenestration protection
Seminole Elementary School	9 Classroom	2690 NW 42nd Avenue	Okeechobee	34972	N		0	0			needs fenestration protection
South Elementary School	1 E Caf	575 SW 28th Street	Okeechobee	34972			0	0	1,011		needs fenestration protection
South Elementary School	1 W CR	576 SW 28th Street	Okeechobee	34972							needs fenestration protection
South Elementary School	2CR	577 SW 28th Street	Okeechobee	34972							needs fenestration protection
South Elementary School	3 E CR	578 SW 28th Street	Okeechobee	34972							needs fenestration protection
South Elementary School	4 CR	579 SW 28th Street	Okeechobee	34972							needs fenestration protection
Yearling Middle School	1 Main	925 NW 23rd Lane	Okeechobee	34972	R	G	0	0	500	HMGP	windows are protected, needs eng study
<b>TOTALS FOR OKEECHOBEE COUNTY</b>							<b>1,639</b>	<b>32,174</b>	<b>2,404</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIEN T/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>1,639</b>	<b>7,342</b>	<b>-5,703</b>	<b>32,174</b>			<b>-114,666</b>	<b>DEFICIT</b>		

**Special Needs Storm Shelters**

2018 Statewide Emergency Shelter Plan

**OKEECHOBEE**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	Retrofitted / Mitigated Capacity Gained (ft <sup>2</sup> )	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Okeechobee CHD		1728 NW 9th Avenue	Okeechobee	34972		P		88	0	88		needs ASCE-7 cert.
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			TOTAL Retrofit & AS-IS Shelter Capacity - Gen / SpNS	SUFFICIEN T/ Deficit (ft2)	RESULT			
Storm Category 4/5	88	1,273	-1185	5280				-71,100	DEFICIT			



2018 Statewide Emergency Shelter Plan

**ORANGE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Apopka High School	306 Gym	555 Martin Street	Apopka	32712	N	G	759	12,895	759		FISH Bldg 23
Apopka High School	701 Cafeteria	555 Martin Street	Apopka	32712	N	G	0	0	606	L	
Apopka Middle School	300, RM 301 Café	425 N Park Avenue	Apopka	32712			0	0			Building was renovated in 2011 is not EHPA. The cafeteria has 7,337 SF
Audubon Park ES	1-117 Café	1750 Common Way RD	Orlando	32814		G	310	6,194	310		
Avalon Middle School	3-Gym	13914 Mailer Blvd	Orlando	32828	N	G	615	12,295			per 2009 FDEM study
Avalon Middle School	4 Café	13914 Mailer Blvd	Orlando	32828	N	G	591	8,872	598		per FDEM study
Barnett Park Community Center		4801 W Colonial Drive	Orlando	N/A		G, A	0	0			
Bithlo Community Center Bldg		18501 Washington Avenue	Orlando	N/A		G, A	0	0			
Blankner School (Priority 4)	2-201 Café	2500 South Mills Ave	Orlando	32806	N	P	151	12,110	134		EHPA. PBSJ report- 120mph-threshold bldg
Blankner School (Priority 4)	2-Gym	2500 South Mills Ave	Orlando	32806	N	G	605	12,110			per master list
Boone HS	800 gym	2000 S. Mills Avenue	Orlando	32806			0	0	560		
Boone HS	801 Café	2000 S. Mills Avenue	Orlando	32806			0	0	454		
Bridgewater MS	300 Gym	5660 Tiny Road	Winter Garden	34787			552	12,251	552	L	per FDEM study
Bridgewater MS	401A-Café & MP	5660 Tiny Road	Winter Garden	34787			550	8,954	550	L	per FDEM study
Carver Middle School	307 Café	4500 West Columbia Street	Orlando	32811			0	0	191		
Chain of Lakes Middle School	701 Café	8720 Conroy Windemere Rd	Orlando	32835	R	G	0	0	538		per county 6-15/09
Colonial 9th Grade School	200 Café/MP	7775 Valencia College Lane	Orlando	32807			0	0	427		
Colonial 9th Grade School	801-Gym only	7775 Valencia College Lane	Orlando	32807	N	G	473	11,590	473	L	per FDEM study
Colonial HS	5-110 Gym	6100 Oleander Dr	Orlando	32807			0	0	310		
Colonial HS	6-145 Café	6100 Oleander Dr	Orlando	32807			0	0	474	L	per county 8-23-05
Conway Middle School (new)	300, RM 301 Café	4600 Anderson Road	Orlando	32812	N	G	396	7,920	195	L	2008-2009 per County. New EHPA dining/multipurpose
Corner Lake Middle School	8, Rm101 Café / MP	1700 Chuluota Road	Bithlo	32820			0	0	346		
Cypress Creek High School	C-107-gym	1101 Bear Crossing	Orlando	32824	R	G	0	0	1,008		per FDEM study?
Cypress Creek High School	D-108-cafeteria	1101 Bear Crossing	Orlando	32824	R	G	0	0	615		per FDEM study?
Discovery Middle School	8-RM101 -Café / MP	601 Woodbury Road	Orlando	32828			0	0	489		need shutters
Dr. Phillips 9th Grade	21 Café	6500 Turkey Lake Road	Orlando	32819	R	G	0	0	304		Not EHPA
Dr. Phillips High School	501-cafeteria	6500 Turkey Lake Road	Orlando	32819	R	G	0	0	492	L	Not EHPA
Dr. Phillips High School	610-gym	6500 Turkey Lake Road	Orlando	32819	R	G	710	14,190	710		Undergoing comprehensive renovation in 2012-2014 and the gym will be upgraded to be an EHPA facility
East River High School	306 Gym	654 Columbia School Rd	Orlando	32833	N	G	0	0	0		see SpNS
East River High School	701 Café	654 Columbia School Rd	Orlando	32833	N	G	0	0	0		see SpNS
Edgewater High School	600 Gym, RM 101	3100 Edgewater Drive	Orlando	32804	N		737	14,731	566		EHPA
Edgewater High School	8 Café	3100 Edgewater Drive	Orlando	32804			384	7,680	384		Not EHPA
Evans High School	400-Gym, RM 103	4949 Silver Star Road	Orlando	32808	N		756	15,126			2011 EHPA
Evans High School	300-Din, RM 101	4949 Silver Star Road	Orlando	32808	N		596	11,919			2011 EHPA
Fort Gatlin Recreation Center		2009 Lake Margaret Drive	Orlando	N/A		G, A	0	0	100	F,S	
Freedom High School	6	2500 W Taft Vineland Rd	Orlando	32837		G	58	1,162			
Freedom High School	5	2500 W Taft Vineland Rd	Orlando	32837		G	164	3,284			
Freedom Middle	3-301 - Gym	2850 Taft Vineland Rd	Orlando	32837		G	556	11,998	556		per FDEM study
Freedom Middle	401 - Dining Area	2850 Taft Vineland Rd	Orlando	32837		G	368	9,029	368		per FDEM study
Freedom Middle	401A - Mult. Rm / Dining Area	2850 Taft Vineland Rd	Orlando	32837		G	226	4,515	226		per FDEM study

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Glenridge Middle School	4-gym	801 Glenridge Way	Winter Park	32789	N	G	660	13,204			per FDEM study
Glenridge Middle School	5-Cafeteria	801 Glenridge Way	Winter Park	32789	N	G	188	3,751			per FDEM study
Gotha Middle School	7-Gym	9155 Gotha Road	Windemere	34787			0	0	605		need shutters
Gotha Middle School	8 RM101 Café / MP	9155 Gotha Road	Windemere	34787			0	0	255		need shutters
Howard Middle School	Rm 144 Café	800 E Robinson St.	Orlando	32801			0	0	317		
Hunters Creek Middle School	8 RM101 Café / MP	13400 Town Loop Blvd.	Orlando	32837			0	0	322		need shutters
Jackson Middle School	8- 801-Café only	6000 Stonewall Jackson	Orlando	32807	N	G	407	9,709	407		2007-2008 per County
John Bridges Community Center		445 West 13th Street	Apopka	N/A		G	0	0	206		
Jones High School	3 RM115 Café	1400 W. Cypress Dr	Orlando	32805			0	0	336		circa 2003-per county 8-23-05
Jones High School	6 RM112 Gym	1400 W. Cypress Dr	Orlando	32805			0	0	434		circa 2003-per county 8-23-05
Lake Nona Middle	2, RM 101 Gym	13700 Narcoossee Rd	Orlando	32832	N		579	11,582			Built 2011
Lake Nona High School	306 Gym	12500 Narcoossee Rd	Orlando	32832			759	18,999	759		per FDEM study
Lake Nona High School	701 Café	12500 Narcoossee Rd	Orlando	32832			605	9,158	605		per FDEM study
Lakeview Middle - Org	9-100 Café	1200 West Bay Street	Winter Garden	34787	N	G	0	0	312		EHPA?-per county 8-23-05
Lakeview Middle - Org	2- Gym	1200 West Bay Street	Winter Garden	34787			604	12,083			per FDEM study
Lee Middle School	2- 800 Café	1201 Maury Road	Orlando	32804			0	0	382		Not EPHA
Legacy Middle	301 - Gym	11398 Lake Underhill Rd	Orlando	32825			556	12,053	556		per FDEM study
Legacy Middle	4- Dining	11398 Lake Underhill Rd	Orlando	32825			573	8,600	594		per FDEM study
Liberty Middle School	102 Café	3405 South Chickasaw Trail	Orlando	32829			0	0	412		
Lockhart Middle School	3 (new)-900 Café	3411 Doctor Love Road	Orlando	32810			332	8,301	289	2008-2009 per County	per FDEM study
Maitland Middle School (old)	9	1601 Choctaw Trail	Maitland	32751			0	0	303		
Marks Street Community Center		99 East Marks Steet	Orlando	N/A		G, A	0	0	300		
Meadow Woods Middle School	8- 101 Café	1800 Rhode Island Wood Cr	Orlando	32824			0	0	210		need shutters
Meadowbrook Middle School	3 Gym	6000 N Lane	Orlando	32808			576	11,521			per FDEM study
Meadowbrook Middle School	4- 401 Café	6000 N Lane	Orlando	32808			370	9,246	368		per FDEM study
Memorial Middle School	4-401A Café / MP	2510 Gulfstream Road	Orlando	32805	N	G	558	8,725	558	2008-2009 per County	per FDEM study
Memorial Middle School	700 Gym	2220 West Michigan Ave	Orlando	32805			0	0	583		BLDG 3? Per FISH
Oak Ridge High School (new)	700 - RM 106 Gym	6000 Winegard Road	Orlando	32809	N		759	15,170	468		EHPA
Oak Ridge High School (new)	300 - RM 101 Café	6000 Winegard Road	Orlando	32809	N		605	12,093			Meets wind load but doesn't have dmiable lights for night time sleeping
Ocoee High	3- 306 - Gym	1925 Ocoee Crown Point Parkway	OCOEE	34761	N	G	759	18,855	759		per FDEM study
Ocoee High	7-701 Dining Area	1925 Ocoee Crown Point Parkway	OCOEE	34761			559	8,388	591		per FDEM study
Ocoee Middle School	4-401-Café	300 South Bulford Avenue	Ocoee	34761	N	G	0	0	357	2008-2009	per County
Ocoee Middle School	5- 501-Gym	300 South Bulford Avenue	Ocoee	34761	N	G	0	0	583	2008-2009	per County
Ocoee Middle School	2	300 South Bulford Avenue	Ocoee	34761		G	142	2,849			
Ocoee Middle School	1	300 South Bulford Avenue	Ocoee	34761		G	307	6,144			
Odyssey Middle School	3-301 Gym	9290 Lee Vista	Orlando	32829	N	G	560	12,045	560		per County 8-23-05
Orlo Vista Building		26 North Nowell Avenue	Orlando	N/A		G, A	0	0	100		
Piedmont Lake Middle School	9 (per Fish) / 8 RM101 Café	2601 Lakeville Road	Apopka	32703			0	0	331		

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Robinswood Middle School	1 (new) Café	6305 Balboa Drive	Orlando	32808	N	G	422	10,544	266		per FDEM study	
Sessions Middle (new)	300 RM 301 Gym	571 Avalon Road	Winter Garden	34787	N		551	11,018			Gym and Cafeteria are Hurricane Hardened	
Sessions Middle (new)	400 RM 401 Café	572 Avalon Road	Winter Garden	34788	N		542	10,832				
South Creek Middle School	4-401A Café	3801 Wetherbee Rd	Orlando	32824		G	593	9,391	593		per FDEM study	
South Creek Middle School	3-Gym	3801 Wetherbee Rd	Orlando	32824		G	598	11,961			per FDEM study	
Southwest Middle School	801 Café	6450 Dr. Phillips Boulevard	Orlando	32819			0	0	418			
Sunridge MS	1911	14955 Sunridge	Winter Garden	34787-5120	N	G	0	0			200-Gym Completed November 06, 2012 per FDOE (needs to be Surveyed / Confirmed)	
Timber Creek High School	3-306 Gym	1001 Avalon Boulevard	Orlando	32806		G	785	19,185	752	per county 8-23-05	per FDEM study	
Timber Creek High School	7-701 Dining	1001 Avalon Boulevard	Orlando	32806		G	591	7,679	591	per county 8-23-05	per FDEM study	
Timber Creek High School	5-classrooms	1002 Avalon Boulevard	Orlando	32807		G	164	3,284			interior safe space	
Timber Creek High School	6-classrooms	1003 Avalon Boulevard	Orlando	32808		G	58	1,162			interior safe space	
Union Park Middle School	2 100 Café	1844 Westfall Drive	Orlando	32817		G	402	6,471	402	2007-2008 per County	per FDEM study	
University of Central Florida	50	East Plaza Drive	Orlando	32826			0	0	250			
University High School	8 - Rms 101, 101A, 101E Café	2450 Cougar Way	Orlando	32817	R	G	87	5,256			rolldown shutters and reinforcement. Bldg. 8 Multi-purpose / Dining / Kitchen bldg is EHPA. The total Dining SF after renovation is 10,330 SF	
University High School (priority 1)	Gym-3-West	2451 Cougar Way	Orlando		R	G	388	23,560			rolldown shutters and reinforcement. Bldg. 3 Gym is not EHPA. Per FISH Gymnasium is 12,053 SF	
Valencia Community College (east)		Econolockahatchee Trail	Orlando	N/A			0	0	699			
Valencia Community College (west)		Kirkman Road	Orlando	N/A			0	0	1,324			
Walker Middle School (new)	8, RM 801 Cafeteria	150 Amidon Lane	Orlando	32809	N	G	413	8,260	186		Bldg. 8 Multi-purpose/Dining/Kitchen is EHPA. The kitchen in this building will be shared with adjacent Lancaster ES which isn't EHPA.	
Wekiva HS	3-306 Gym	7401 N. Hiawassee Road	Apopka	32703		G	770	19,258	759	2007-2008 per County	per FDEM study	
Wekiva HS	7-701-Café	7401 N. Hiawassee Road	Apopka	32703		G	604	9,355	604	2007-2008 per County	per FDEM study	
West Orange High School	3-Gym	1625 Beaulah Road	Winter Garden	32787		G	916	18,122		L	per FDEM study	
West Orange High School	7-Café	1625 Beaulah Road	Winter Garden	32787		G	525	7,875	606	L	per FDEM study	
West Orange High School	5-classrooms	1626 Beaulah Road	Winter Garden	32788		G	283	5,668			interior safe space	
West Orange High School	6-classrooms	1627 Beaulah Road	Winter Garden	32789		G	93	1,854			interior safe space	
Westridge Middle School(new)	100, RM 125 Café	3800 West Oakridge Road	Orlando	32809		G	0	0	442		This building will not be EHPA after completion of comprehensive renovation.	
Winter Park High School	4-400 Gym	2100 Summerfield	Winter Park	32792			0	0	579			
Winter Park High School	500 Rm 101 & 102	2100 Summerfield	Winter Park	32792			0	0	398			
Wolf Lake MS	4-401A Café	1771 W Ponkan Rd	Apopka	32712		G	598	9,084	598		per FDEM study	
Wolf Lake MS	3-Gym	1771 W Ponkan Rd	Apopka	32712		G	559	11,178			per FDEM study	
Zellwood Station Clubhouse		2126 Spillman Drive	Zellwood	N/A			0	0			per County 8-23-05	
							0	0				
<b>TOTALS FOR ORANGE COUNTY</b>							<b>29,957</b>	<b>622,298</b>	<b>35,624</b>			

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	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>29,957</b>	<b>27,952</b>	<b>2,005</b>	<b>622,298</b>			<b>63,258</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											
Name	Bldg #	Address	City	Zip	Retrofitted (R) New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Freedom HS (priority 3)	2-201 Café	2500 South Mills Ave	Orlando	32806	N	P	151	12,110	134		EHPA. PBSJ report- 120mph-threshold bldg
Freedom HS (priority 3)	7-701-Café	2500 Taft-Vineland Rd	Orlando	32837	N	P	134	7,679	134		EHPA. per FDEM study
Olympia High School	3-306 gym	2500 Taft-Vineland Rd	Orlando	32837	N	P	222	17,562	134		EHPA. per FDEM study
Olympia High School (Priority 2)	3-306 Gym	4301 S. Apopka-Vineland	Orlando	32835	N	P	251	19,188	251	per County 8-23-05	EHPA. no exterior walls
East River High School	7-cafeteria	4301 S. Apopka-Vineland	Orlando	32835	N	P	197	8,395	197		
East River High School	306 Gym	654 Columbia School Rd	Orlando	32833	N	P	316	18,999	759		EHPA. per master list
East River High School	701 Café	654 Columbia School Rd	Orlando	32833	N	P	131	7,875	605		EHPA. per master list
<b>Storm Category 4/5</b>	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
	<b>1,402</b>	<b>3,800</b>	<b>-2,398</b>	<b>91,808</b>			<b>-136,192</b>	<b>Deficit</b>			

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**OSCEOLA**

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Bellalago Chartered School	5 Gymnasium	3651 Pleasant Hill Rd	Kissimmee	34741	N	G	400	8,000	400	L	EHPA
Celebration HS	5	1809 Celebration	Kissimmee	34741	R	G	732	14,640	368	HB7121	
Celebration HS	7	1809 Celebration Blvd	Kissimmee	34747	R	G	1,196	23,920	1183	S-1496-2009	
Celebration HS	8	1809 Celebration Blvd	Kissimmee	34747	R	G	375	7,500	394	S-1496-2009	
Celebration HS	2-gym	1809 Celebration Blvd	Kissimmee	34747	R	G	822	17,619	822	S-1508-2005	
Celebration School		851 Celebration Avenue	Celebration	34747			0	0			
Central Avenue Elementary School	Cafeteria	1502 N Central Avenue	Kissimmee	34741	N	P	0	0		L	
Chestnut ES	Cafeteria	4300 Chestnut St.	Kissimmee	34759	N	G	551	11,020	551	L	EHPA
Cypress Elementary School		2251 Lakeside Drive	Kissimmee	34744		G	0	0			
Deerwood Elementary School		3701 Lakeside Drive	Kissimmee	34758		G	0	0			
Denn John Middle School		2001 Denn John Lane	Kissimmee	34744		G	0	0			
Discovery Intermediate School	Cafeteria / gym	5350 San Miggel	Poinciana	34759	R	G	908	14,316	908	S-1508-2005	
Discovery Intermediate School	1	5350 San Miguel	Kissimmee	34758	R	G	127	2,540	350	HB7121	
Discovery Intermediate School	3	5350 San Miguel	Kissimmee	34758	R	G	191	3,900	794	HB7121	
Discovery Intermediate School	4	5350 San Miguel	Kissimmee	34758	R	G	235	4,700	235	S-1496-2009	
Discovery Intermediate School	5	5350 San Miguel	Kissimmee	34758	R	G	556	4,700	556	S-1496-2009	
East Lake Elem School	1	4001 Boggy Creek Rd	Kissimmee	34744	N	G	388	7,777	388	L	EHPA
Floral Ridge Elem School	Café	2900 Dyer Ave	Kissimmee	34741	N	G	301	6,027	301	L	EHPA
Florida Christian College	Gym	1011 Bill Beck Blvd	Kissimmee	34744	R	G	709	14,180	709	S-1508-2005	
Gateway High School	Gym / Auditorium	801 Bill Beck Boulevard	Kissimmee	34744		G	0	0			
Harmony ES (Harmony Community School)	cafeteria	3365 Schoolhouse	St. Cloud	34773	N	G	388	7,777	388	L	EHPA
Harmony HS	4	3602 Arthur J. Gallagher Blvd	St. Cloud	34772	R	G	791	15,825	767	S-1496-2009	
Harmony HS	5	3601 Arthur Gall.	St. Cloud	34771	R	G	285	5,702	446	HB7121	RETROFITTING B6 exp completion 2018
Harmony HS	7	3601 Arthur Gall.	St. Cloud	34771	R	G	1,450	29,010	502	HB7121	
Harmony HS	8	3602 Arthur Gall.	St. Cloud	34772	R	G	375	7,513	393	S-1496-2009	
Harmony HS	2-Gym	3601 Arthur J. Gallagher Blvd	St. Cloud	34771	R	G, A	932	19,764	932	S-1508-2005	
Hickory Tree Elementary School	Caferia	2355 Hickory Tree Road	St. Cloud	34772		G	0	0			
Highlands Avenue Elementary School		800 W Donegan	Kissimmee	34741		G	0	0			
Horizon Middle School	2-gym	2020 Ham Brown Road	Kissimmee	34746	R	G	1,003	20,069	1003	S-1118A	
Kenansville Comm Center	Center	1178 South Canoe Creek Rd	St. Cloud	34769	R	G	120	2,400	120	S-1508-2005	
Kissimmee Elementary School	5	3700 Donegan	Kissimmee	34741	R	G	176	3,520	232	HB7121	
Kissimmee Elementary School	6	3700 Donegan	Kissimmee	34741	R	G	183	3,660	490	HB7121	
Kissimmee Elementary School	4-café	2420 Dyer Boulevard	Kissimmee	3474	R	G	209	5,010	301	S-1508-2005	
Kissimmee Middle School	2-gym	2410 Dyer Boulevard	Kissimmee	34741	R	G, A	875	17,496	936	S-1118A	
KOA Elem School	1 Cafeteria	500 KOA Street	Kissimmee	34758	N	G	231	4,620	231	L	Cafeteria portion is EHPA, per county
Liberty HS	4 Gymnasium	4250 Pleasant Hill	Kissimmee	34746	N	G, A	1,335	26,698	892	L	EHPA
Michigan Avenue Elementary School		2015 S Michigan Avenue	St. Cloud	34769			0	0			

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**OSCEOLA**

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Mill Creek Elementary School	10 Classroom (2-story)	1700 Mill Slough Road	Kissimmee	34744			0	0			
Narcoossee Middle School	2 Café / Gym				R	G	891	14,200	891	S-1508-2005	Built 1998
Narcoossee Middle School	3 Classroom	2700 Narcoossee Rd	Kissimmee	34771	R	G	497	9,940	833	HB7121	Built 1998
Narcoossee Middle School	4 Classroom	2700 Narcoossee Rd	Kissimmee	34771	R	G	199	3,980	327		
Narcoossee Elementary School	Cafeteria	2690 Narcoossee Rd	Kissimmee	34771	N	G	388	7,777	388	L	EHPA
Neptune ES	1-Cafeteria	1200 Betsy Ross Lane	St. Cloud	34769	N	G	310	6,207	310	L	EHPA
Neptune MS		2727 Neptune Rd	Kissimmee	34744			0	0			
Oak Leaf Landing		2350 N. Central Avenue	Kissimmee		R	G	0	0	0	S-1588-2006	
Parkway Middle School		857 Florida Parkway	Kissimmee	34743			0	0			
Partin Settlement ES	1-Cafeteria	2434 Remington Blvd	Kissimmee	34744	R	G	436	8,720	436		EHPA
Pleasant Hill Elementary School		1253 Pleasant Hill Road	Kissimmee	34746			0	0			
Poinciana ES	2	4200 Rhododendron	Kissimmee	34758	R	G	183	3,660	356	S-1496-2009	
Poinciana ES	3	4200 Rhododendron	Kissimmee	34758	R	G	152	3,040	316	HB7121	
Poinciana ES	4	4200 Rhododendron	Kissimmee	34758	R	G	301	4,834	301	S-1508-2005	
Poinciana ES	5	4200 Rhododendron	Kissimmee	34758	R	G	176	3,520	434	HB7121	
Poinciana ES	6	4200 Rhododendron	Kissimmee	34758	R	G	183	3,660	474	HB7121	
Reedy Creek Elementary School	1	2300 Brook Court	Kissimmee	34758	R	G	1,410	28,200	1410	S-1118A	
Reedy Creek Elementary School	2 (two story add)	2300 Brook Court	Kissimmee	34758	R	G	936	18,720	936	S-1467-2004	
St. Cloud ES	1-Cafeteria	2701 Budinger Ave	St. Cloud	34769	N	G	551	11,020	551	L	EHPA
St. Cloud Middle School		1975 S Michigan Avenue	St. Cloud	34769		G	0	0			
Sunrise ES		1925 Ham Brown Rd	Kissimmee	34746	N	G	551	11,020	551	L	EHPA
Thacker Elementary School	12 Classroom	301 Thacker Avenue	Kissimmee	34741		G	0	0			Built 2009 (DOE FISH)
Ventura Elementary School	3	275 Water Edge Drive	Kissimmee	34743	R	G	436	8,720	436	S-1588-2006	
Westside K-8 School	2 Gymnasium	2551 Westside Blvd	Kissimmee	34747	N	G	495	9,900	495		Built 2008, 2011 LRDM Survey -Retrofitting whole school exp completion 2018
<b>TOTALS FOR OSCEOLA COUNTY</b>							<b>23,939</b>	<b>467,021</b>	<b>25,037</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>23,939</b>	<b>10,151</b>	<b>13,788</b>	<b>467,021</b>			<b>264,001</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											

2018 Statewide Emergency Shelter Plan

**OSCEOLA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Central Ave ES	1 Main - Classroom / Cafeteria	500 W Columbia Avenue	Kissimmee	34741	N	P	550	33,050	500		EHPA. 2010 DEM LRDM
Barney E. Veal Center	A	700 Generations Point	Kissimmee	34744	N	P	285	17,000	285		EHPA design
St. Cloud Senior Center		3101 17th Street	St. Cloud	34769	R	P	166	9,960	166	S-1543A	
Oak Leaf Landing Center	1 Main	2350 North Central Avenue	Kissimmee	34741	R	P	330	19,800	251	S-1588-2007	2011 DEM LRDM Survey Shows only 6,030SqFt
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>1,331</b>	<b>660</b>	<b>671</b>	<b>79,860</b>			<b>40,260</b>	<b>SUFFICIENT</b>			

**2018 Statewide Emergency Shelter Plan**

**PALM BEACH**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Atlantic Community HS	2,3,4,5,6,7	2455 W. Atlantic Ave	Delray	33445	N	G	5,837	116,740	5,837	L	Primary Risk Shelter
Bear Lakes Middle School	1,2,3,4, G	3505 Shenandoa Boulevard	W Palm Beach	33409	R	G	1,354	27,081	1,354	S-1118A	Secondary Risk Shelter
Bethune, ES McLeod	1	1501 Aveune U	Riviera Beach	33404	R	G	530	10,601	530		Primary Risk Shelter
Boca Raton Community HS	2,3,4,5,6	1501 NW 15th Ct	Boca Raton	33486	N	G	3,218	64,374	3,218		Primary Risk Shelter
Boynton Beach High School	1,3,6	4975 Park Ridge Boulevard	Boynton Beach	33462	N	G	2,075	41,500	2,075	L	Primary Risk Shelter
Carver Middle School	2,4,6,8	101 Barwick Road	Delray Beach	33445	R	G	3,029	60,582	3,029	S-1118A	Secondary Risk Shelter
Christa McCauliffe Middle School	1,2,3,4	6500 Le Chalet Boulevard	Boynton Beach	33437	R	G	1,745	34,908	1,745	S-1543	Secondary Risk Shelter
Discovery Key Elementary School	1	3550 Lyons Road	Lake Worth	33467	N	G	491	9,827	491		Secondary Risk Shelter
Forest Hill SHS	3,4,6,7	8499 Forest Hill blvd	W. Palm Beach	33405	N	G	2,531	50,620	2,531		Primary Risk Shelter
Frontier Elementary School	1	6701 180th Avenue, North	Loxahatchee	33470	N	G	491	9,835	491		Secondary Risk Shelter
Glades Central Community High School	4, 5	1001 SW Avenue M	Belle Glade	33430	R	G	1,182	23,640	1,182	S-1118A	Secondary Risk Shelter
Hertiage ES	1- dining / stage	5100 Melaleuca Lane	Greenacres	33463	N	G	503	10,065	503		Secondary Risk Shelter
Independence Middle	4	4001 Greenw	Jupiter	33410	N	G	526	10,520	526	L	Primary Risk Shelter
John I. Leonard HS	2,3,4,6,7,8,9,10,11	4710 10th Avenue	Greenacres	33463	N	G	4,704	94,080	4,704	L	Primary Risk Shelter
Lake Worth Middle School	1,2,3,4	1300 Barnett Drive	Lake Worth	33460	R	G	1,466	29,323	1,466	S-1118A	Secondary Risk Shelter
Lakeshore Middle School	2,3,4,7, 50	425 West Canal Street	Belle Grade	33430	N	G	2,872	57,440	2,872	L	Primary Risk Shelter
North Grade Elementary	5,6,7	824 North K Street	Lake Worth	33460	N	G	473	9,462	473		Secondary Risk Shelter
Odyssey Middle School	4	6161 Woolbright Road	Boynton Beach	33437	N	G	565	11,308	565		Secondary Risk Shelter
Olympic Heights Community HS	2,4,8	20101 Lyons Road	Boca Raton	33437	R	G	1,613	32,256	1,613		Secondary Risk Shelter
Omni Middle School	C,D,F,G	5775 Jog Road	Boca Raton	33496	R	G	1,819	36,395	1,819		Secondary Risk Shelter
Palm Beach Central HS (Part)	2,3,4,5,6,7	8499 W. Forest Hill Blvd.	Wellington	33414	N	G	3,914	78,275	3,914		Primary Risk Shelter
Palm Beach Gardens Community HS	1,2,3,4,5	4246 Holly Drive	Palm Bch Gardens	33410	N	G			5,267		Primary Risk Shelter
Palm Beach Gardens Community HS	1	4246 Holly Drive	Palm Bch Gardens	33410	N	G	1,213	24,262			
Palm Beach Gardens Community HS	2	4246 Holly Drive	Palm Bch Gardens	33410	N	G	1,346	26,925			
Palm Beach Gardens Community HS	3	4246 Holly Drive	Palm Bch Gardens	33410	N	G	1,631	32,622			
Palm Beach Gardens Community HS	4	4246 Holly Drive	Palm Bch Gardens	33410	N	G	706	14,125			
Palm Beach Gardens Community HS	5	4246 Holly Drive	Palm Bch Gardens	33410	N	G	2,128	42,560			
Park Vista Community High School	2, 5, 6, 7, 8, 9, 10	7900 Jog Rd.	Boynton Beach	33427	N	G	5,395	107,900	5,395	L	Primary Risk Shelter
Seminole Ridge High School	2, 5, 6, 7, 8, 9, 10	4601 Seminole Pratt Whitney R	Loxahatchee	33470	N	G	4,459	89,180	4,459		Primary Risk Shelter
Watson B. Duncan MS	3,4,6,7	5150 117th Court N	Palm Bch Gardens	33418	R	G	1,728	34,576	1,728		Secondary Risk Shelter
Wellington Landings MS	1,2,3,4	1100 Aero Drive	West Palm Beach	33414	R	G	1,745	34,908	1,745		Secondary Risk Shelter
West Boca High School	2, 3, 4, 5, 6, 7, 9, 12	12811 Glades Road	Boca Raton	33428	N	G	3,535	70,722	3,535		Primary Risk Shelter
West Boynton Rec Center		6000 Northtree Blvd	Lake Worth	33463	N	G, A	0	0	240		Risk Pets
West Gate Community Center		3691 Oswego Avenue	W Palm Beach	33414		G	0	0		L	Host Shelter
Westgate Elementary School	Cafeteria	1545 Loxahatchee Road	W Palm Beach	33414	R	G	2,293	45,861	473	S, L	Primary Risk Shelter
Wm. T. Dwyer High School	1, 2, 8	13601 N Military Trail	Palm Bch Gardens	33418	R	G	2,343	58,579	1,787	S-1118A	Secondary Risk Shelter
							0	0			
<b>TOTALS FOR PALM BEACH COUNTY</b>							<b>69,460</b>	<b>1,401,052</b>	<b>65,567</b>		



2018 Statewide Emergency Shelter Plan

**PALM BEACH**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>69,460</b>	<b>29,754</b>	<b>39,706</b>	<b>805,972</b>			<b>210,892</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											
Name	Bldg #	Address	City	Zip	HW or GenSet	Retrofitted (R), New Construction (N)	Retrofitted / Mitigated Capacity Gained (ft <sup>2</sup> )	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name
South Florida Fair Expo	West Expo	9067 Southern Boulevard	W Palm Beach	33411	GenSet	R	33,000	550	33,000	550	
Palm Beach Central HS (Part)	8-Gym	8499 W. Forest Hill Blvd.	Wellington	33414	HW	N		250	15,000	250	
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			TOTAL Retrofit & AS-IS Shelter Capacity - Gen / SpNS	SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>800</b>	<b>2,520</b>	<b>-1,720</b>	<b>48,000</b>			<b>-103,200</b>	<b>DEFICIT</b>			

**2018 Statewide Emergency Shelter Plan**

**PASCO**

Name	Bldg. #	Address	City	Zip	Retrofitted, New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Connerton Elementary School	3, 4 & 5	9300 Flourish Drive	Land O'Lakes	34637	N	G	1,127	22,544	1503	L-School Brd	reported by EM 2011
Denham Oaks Elementary School	1	14220 Oak Grove Blvd	Lutz	33548	R	G	297	3,869	297	S/HMGP	
Denham Oaks Elementary School	2	14220 Oak Grove Blvd	Lutz	33548	R	G	478	5,703	478	S/HMGP	
Denham Oaks Elementary School	3	14220 Oak Grove Blvd	Lutz	33548	R	G	232	3,042	232	S/HMGP	
Denham Oaks Elementary School	5	14220 Oak Grove Blvd	Lutz	33548	R	G	195	5,686	195	S/HMGP	
Denham Oaks Elementary School	6	14220 Oak Grove Blvd	Lutz	33548	R	G	429	7,454	429	S/HMGP	
Denham Oaks Elementary School	7	14220 Oak Grove Blvd	Lutz	33548	R	G	249	3,057	249	S/HMGP	
Double Branch Elem School	1 Classrm, 2 ESE / Classrm, 3 Multipurpose, 4 Classroom	31500 Chancey Pkwy	Wesley Chapel	33543	N	G	787	15,740	1,049	L	Built 2007. Resurvey 2011
Lacoochee Elementary School	11	38815 Cummer Road	Lacoochee	33525	R	G	0	0	0	S/HMGP	Use change of Media area renderd space unusable as shelter space (prior had 60 general population spaces)
Lacoochee Elementary School	12	38815 Cummer Road	Lacoochee	33525	R	G	0	0	0	S/HMGP	Space Modification, ARC 4496 Survey on File 6/14/2013
Lacoochee Elementary School	13 ESE	38815 Cummer Road	Lacoochee	33525	R	G	0	0	0	S/HMGP	Use change of Storage area renderd space unusable as shelter space (prior had 74 general population spaces)
Longleaf Elementary School	4	2323 Little Road	New Port Richey	34655	N	G	1,325	26,500	1,767	L	Opened 8/2005, ARC Survey on File 6/15/2013
New River Elem School	4	4710 River Glen Blvd	Wesley Chapel	33545	N	G	787	15,740	1,049	L	2008-2009
Oakslead ES	4-Classrms	19925 lake Patience RD	Land O'Lakes	34639	N	G	729	14,580	972	L-School Brd	
Odessa Elementary School	2 Multipurpose 3 ESE / Classrm 4 Classroom	1874 Ketzell Drive	New Port Richey	34655	N	G	1,509	30,171	2,011		reported by EM 2011
Pasco Middle School	1	13925 14th St	Dade City	33525	N	G	513	10,265	684	L-School Brd	2014 County added / DEM : SqFt based on FISH
Pineview Elementary School	1, 2, 3, 4	5333 Parkway Blvd	Land O'Lakes	33549	N	G	804	16,080	1,072	Local EHPA	8/1/03 completion
Pineview Middle School	1 Main	5334 Parkway Boulevard	Land O'Lakes	34639	R	G	0	0	0	F, S	Capacity / Staffing Issues Non-compliant with ARC 4496
Pineview Middle School	5 P.E.	5334 Parkway Boulevard	Land O'Lakes	34639	R	G	0	0	0	S/HMGP	ARC 4496 Non-Compliant / Gym with open span. Needs engineering study / construction year (?)
Raymond B. Stewart Middle School	10	38505 Tenth Avenue	Zephyrhills	33540	R	G	0	0	0	S/HMGP	Change of use to Lab rendering space unusable as shelter space (prior had 242 general population spaces)
Raymond B. Stewart Middle School	9-Media / 9A-ESE / 5	38505 Tenth Avenue	Zephyrhills	33540	R	G	0	0	0	S/HMGP	Change of use to Lab rendering space unusable as shelter space (prior had 122 general population spaces)
RB Stewart MS	12-Cafeteria	38505 Tenth Avenue	Zephyrhills	33540	N	G	487	9,740	649	L-School Brd	
Seven Oaks Elementary	4	27633 Mystic Oak	Wesley Chapel	33544	N	G	1,325	26,500	1,767	Local	Opens 8/05
Seven Springs Middle School	3	2441 Little Road	New Port Richey	34654	R	G	0	0	0	S/EMPATF	
Shady Hills Elementary School		18000 Shady Hills Road	Spring Hill	34610			0	0			

2018 Statewide Emergency Shelter Plan

**PASCO**

Sunlake High School	Target 2008	3023 Sunlake Blvd	Land O'Lakes	34648	N	G	2,860	57,200	3,813	Local	
Thomas Weightman Middle School	2	30649 Wells Road	Zephyrhills	33544	R	G	244	4,885	326	S/HMGP	
Thomas Weightman Middle School	3	30649 Wells Road	Zephyrhills	33544	R	G	872	17,446	1,163	S/HMGP	
Thomas Weightman Middle School	4	30649 Wells Road	Zephyrhills	33544	R	G	301	6,018	401	S/HMGP	
Thomas Weightman Middle School	5	30649 Wells Road	Zephyrhills	33544	R	G	198	3,969	265	S/HMGP	
Thomas Weightman Middle School	6	30649 Wells Road	Zephyrhills	33544	R	G	264	5,270	351	S/HMGP	
Thomas Weightman Middle School	8	30649 Wells Road	Zephyrhills	33544	R	G	301	6,018	401	S/HMGP	
Veterans Elementary School		26940 Progress Parkway	Wesley Chapel	33544	N	G	920	18,400	1,227	L-School Brd	EHPA
Watergrass Elementary School		32750 Overpass Road	Wesley Chapel	33545	N	G	775	15,500	1,033	L	
Wesley Chapel HS	1 Admin	30651 Wells Road	Wesley Chapel	33544	N	P	0	0		L-School Brd	
Wesley Chapel HS	2 Classroom	30651 Wells Road	Wesley Chapel	33544	R	G	948	18,954		S-1467-2004	Change in use from P to G effective 2014.
Wesley Chapel HS	3 Classroom	30651 Wells Road	Wesley Chapel	33544	R	P	0	0	0	S-1467-2004	Primary SpNs
Wesley Chapel HS	5 Cafeteria	30651 Wells Road	Wesley Chapel	33544	R	P	0	0	0	S-1467-2004	Primary SpNs
Wiregrass High School	3	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	0	0	0	L/S	Primary SpNS
Wiregrass High School	4	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	0	0	0	L-School Brd	Generator Installed by State 2014 Changed to Primary SpNS/Change. May be used for Gen. Pop. Depending on the event
Wiregrass High School	6	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	0	0	317	L-School Brd	May be used for Gen. Pop. Or SpNS. Depending on the event.
Wiregrass High School	7	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	0	0	311	L-School Brd	May be used for Gen. Pop. Or SpNS. Depending on the event.

**TOTALS FOR PASCO COUNTY**    **18,956**    **380,331**    **24,012**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>18,956</b>	<b>31,294</b>	<b>-12,338</b>	<b>380,331</b>			<b>-245549</b>	<b>DEFICIT</b>			

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted, New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Fasano Shelter	1 / RM 1	11611 Denton Av	Hudson	34654			166	10,000	166	S/F	Primary SpNS
Wesley Chapel HS	3 Classroom	30651 Wells Road	Wesley Chapel	33544	R	P	280	16,780	0	S-1467-2004	
Wesley Chapel HS	5 Cafeteria	30651 Wells Road	Wesley Chapel	33544	R	P	80	4,816	0	S-1467-2004	
Wiregrass Ranch Sr High School	3 Classroom	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	363	21,806	363	L/S	Built 2006 (FISH). EHPA. Primary SpNS
Wiregrass Ranch Sr High School	4 Classroom	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	367	22,040	367	L-School Brd	Built 2006 (FISH). EHPA. Generator Installed by State 2014 Changed to Primary SpNS/Change. May be used for Gen. Pop. Depending on the event
Wiregrass Ranch Sr High School	6 Gymnasium	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	106	6,340	106	L-School Brd	May be used for Gen. Pop. Or SpNS. Depending on the event.
Wiregrass Ranch Sr High School	7 Dining	2909 Mansfield Blvd	Wesley Chapel	33543	N	P	104	6,220	104	L-School Brd	May be used for Gen. Pop. Or SpNS. Depending on the event.
Pasco Hernando State College / Porter					N	G	0	0		L-College	EHPA, not locally designated for shelter - local LSA

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>1,466</b>	<b>966</b>	<b>500</b>	<b>87,962</b>			<b>30,002</b>	<b>SUFFICIENT</b>			

**2018 Statewide Emergency Shelter Plan**

**PINELLAS**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bauder Elementary School	1	12755 86 Avenue North	Seminole	33776	R	G	0	0	773	L	open spans-form board roof-walls issues
Bardmoor ES	3	8900 Greenbrier Road	Seminole	33777	N	G				L	per EHPA list-2009, 6.3' SLOSH
Belleair ES	9 Classroom	1156 Lakeview Road	Clearwater	33756	N	G	0		522	S	Classrrom Size Reduction
Carwise Middle School	5&6	3301 Bentley Drive	Palm Harbor	34684	R	G, A	2,654	39,812	2,709	HMGP	PBSJ- report
Clearwater Fundamental MS (formerly Kennedy MS)	1 (1st flr halls)	1660 Palmetto Street	Clearwater	33755	R	G, A	0	0	1,579	L	questions on walls/roof.
Countryside High School	6	300 McMullen Booth	Clearwater	33781	R	G	90	1,798		HMGP	meets ARC 4496 per PBSJ report
Doug Jamerson ES	4	1200 37th St. S	St. Petersburg	33714	R	G	340	6,800	898	S-1508-2005	
Doug Jamerson ES	5	1200 37th St. S	St. Petersburg	33714	R	G	340	6,800		S-1508-2005	
Doug Jamerson ES	4 & 5	2350 22 Ave S	St Petersburg	33714	R	G, A	61	1,210			
Dunedin ES		900 Union Street	Dunedin	34698	N	G	0	0	2,186		
Dunedin ES (new)	1	901 Union Street	Dunedin	34699	N	G	571	11,423			
Dunedin ES (new)	2	902 Union Street	Dunedin	34700	N	G	280	5,604			
Dunedin ES (new)	3	903 Union Street	Dunedin	34701	N	G	227	4,547			
Dunedin ES (new)	4	904 Union Street	Dunedin	34702	N	G	314	6,284			
Eishenhower Elem School	7 Classroom	2800 Drew Street	Clearwater	33759	N	G	284	5,672			
Fairmont Park Elementary School	4&5	575 41 Street South	St Petersburg	33711	R	G, A	61	1,220			PBSJ Report
Fairmount Park ES	4	575 41 Street South	St Petersburg	33711	R	G	340	6,800	771	S-1508-2005	PBSJ Report
Fairmount Park ES	5	575 41 Street South	St Petersburg	33711	R	G	340	6,800		S-1508-2005	PBSJ Report
Gibbs High School	campus wide	850 34 Street South	St Petersburg	33711		G			4,037	F,S	replace old bldgs,
Gibbs Senior High School	2 Classroom	851 34 Street South	St Petersburg	33712	R	G	1,631	32,616		L	
Gibbs Senior High School	3 Gymnasium	852 34 Street South	St Petersburg	33713	R	G	982	19,647		L	
Gibbs Senior High School	4 Auditorium	853 34 Street South	St Petersburg	33714	R	G	1,652	33,038		L	
Gibbs Senior High School	5 Music	854 34 Street South	St Petersburg	33715	R	G	776	15,529		L	
Gibbs Senior High School	6 Cafeteria	855 34 Street South	St Petersburg	33716	R	G	429	8,583		L	
Largo High School	11 (1st floor)	410 N Missouri Avenue	Largo	33770	R	G	745	11,172	641	L	wall questions
Lealman Intermediate Middle School	1-cr	4900 28th St. N	St Petersburg	33714	N	G	462	9,235	1,223	F,S,L	replace old bldgs
Lealman Intermediate Middle School	2-dining	4900 28th St. N	St. Petersburg	33714	R	G	110	2,201			
Lealman Intermediate Middle School	4-gym	4900 28th St. N	St Petersburg	33714	N	G	480	9,552			
Lealman Intermediate Middle School	5-ESE / Multipurpose	4900 28th St. N	St Petersburg	33714	R	G	569	11,386			
Leila Davis Elem School	5 Classroom	2630 Landmark Drive	Clearwater	33761	N	G	318	6,364			
McMullen Booth E S	4 (1st floor)	3025 union st	Clearwater	33579	R	G	267	5,330	885	HMGP	
McMullen Booth E S	5 (1st floor)	3025 union st	Clearwater	33579	R	G	267	5,330		HMGP	
McMullen Booth Elem School	7 Classroom	3025 union st	Clearwater	33759	N	G	209	4,186			
Mildred Helms Elem School	12 Classroom	561 S. Clearwater -Largo RD	Largo	33770	N	G	470	9,406			
New Heights Elementary School	campus wide	3901 37th St. N	St. Petersburg	33714	N	G	0	0	2,304		
New Heights Elementary School	2 Library	3902 37th St. N	St. Petersburg	33715	N	G	0	0			



**2018 Statewide Emergency Shelter Plan**

**PINELLAS**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Dunedin Highland MS	2	70 Patricia Ave	Dunedin	34698	N	P	379	22,727	1,596		SpNS 1,596 + 400 Pet Owners
Dunedin Highland MS	3	70 Patricia Ave	Dunedin	34698	N	P	426	25,534			PBSJ - study
John Hopkins Middle School	5 & 6	701 16th Street South	St Petersburg	33705	R	P, A	407	24,456	1,113	L	PBSJ - study
Oak Grove Middle School	1 & 6	1370 S Belcher Road	Clearwater	33764	N	P, A	1,056	63,360	1,584		SpNS 1,584 + 400 PetOwners
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>2,268</b>	<b>4,000</b>	<b>-1,732</b>	<b>136,080</b>			<b>-103,920</b>	<b>DEFICIT</b>			

**2018 Statewide Emergency Shelter Plan**

**POLK**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity) @15 SqFt/per person	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Alta Vista ES	9	801 Scenic Hwy	Haines City	33844	N	G, A	345	5,182	432	L	open 2006
Auburndale High School		1 Bloodhound Trail	Auburndale	33823			0	0			
Bartow Family Health Care Center		5 Brice Boulevard	Bartow	33830	R	P	0	0			
Bartow Senior High School	23- cafeteria	1270 S Broadway	Bartow	33830	N	G	436	6,536	495	L	open 2004
Boone, Shelleys Middle School		225 S 22nd Street	Haines City	33844							
Chain of Lakes ES	6	7001 SR 653	Winter Haven	33884	N	G	143	0		L	open 2005
Chain of Lakes ES	3th- 2nd floor	7001 SR 653	Winter Haven	33884	N	G	454	6,804	521	L	open 2005
Chain of Lakes ES	3th-1st floor	7001 SR 653	Winter Haven	33884	N	G	495	7,421	521	L	open 2005
Chain of Lakes ES	4th- 1st floor	7001 SR 653	Winter Haven	33884	N	G	448	6,714	522	L	open 2005
Chain of Lakes ES	4th-2nd floor	7001 SR 653	Winter Haven	33884	N	G	483	7,248	521	L	open 2005
Chain of Lakes ES	5-Dining	7001 SR 653	Winter Haven	33884	N	G	323	4,840	327	L	open 2005
Combee Elem School	17	2805 Morgan Combee Road	Lakeland	33805	N	G	358	5,371	342	L	open 2006
George Jenkins High School		6000 Lakeland Highlands Rd	Lakeland	33813			0	0			
Haines City High School	8 Dining	2800 Hornet Drive	Haines City	33844	N	G	429	11,171	559	L	Per County 2013
Haines City High School	20 Classroom	2800 Hornet Drive	Haines City	33844		G	0	0	3,300	L	Per County 2013
Highlands Grove Elementary	3 - 1st Floor	4510 Lakeland Highlands Rd	Lakeland	33813	N	G	461	6,921	582	L	
Highlands Grove Elementary	3 - 2nd Floor	4510 Lakeland Highlands Rd	Lakeland	33813	N	G	557	8,348	585	L	
Highlands Grove Elementary	4 - 1st Floor	4510 Lakeland Highlands Rd	Lakeland	33813	N	G	477	7,149	582	L	
Highlands Grove Elementary	4 - 2nd Floor	4510 Lakeland Highlands Rd	Lakeland	33813	N	G	474	7,105	585	L	
Highlands Grove Elementary	5 Dining	4510 Lakeland Highlands Rd	Lakeland	33813	N	G	332	4,981	435	L	Per County
Horizons ES	3-1st Floor	1700 Forest Lake Drive	Davenport	33837	N	G	462	6,924	582	L	Per County
Horizons ES	3-2nd Floor	1700 Forest Lake Drive	Davenport	33837	N	G	571	8,564	585	L	Per County
Horizons ES	4-1st Floor	1700 Forest Lake Drive	Davenport	33837	N	G	475	7,122	582	L	Per County
Horizons ES	4-2nd Floor	1700 Forest Lake Drive	Davenport	33837	N	G	484	7,263	585	L	Per County
Horizons ES	5-Dining	1700 Forest Lake Drive	Davenport	33837	N	G	358	5,366	444	L	Per County
Jewett School of the arts	7	2250 8th Str NE	Winter Haven	33881	N	G	353	5,299	590	L	open 2002
Jewett School of the Arts	9	2250 8th Str NE	Winter Haven	33881	N	G	447	6,707	417	L	open 2006
Jewett School of the arts	8 Art Clsrm	2250 8th Str NE	Winter Haven	33881	N	G	173	2,596	190	L	open 2002
Karen Siegel Academy (General classrms)	7-cafeteria	935 North Buena Vista	Lake Alfred	33850	N	G	68	1,018	78	L	open 2004
Kathleen Elem School	11	3515 Sheretz Road	Lakeland	33810	N	G	536	8,035	651	L	open 2006
Kathleen High School		2600 N Crutchfield Road	Lakeland	33809							
Lake Gibson High School	14 - 1st Floor	7007 N Socrum Loop	Lakeland	33809	N	G	0	6,300	417	L	Built 2005
Lake Gibson High School	14 - 2nd Floor	7007 N Socrum Loop	Lakeland	33809	N	G	377	5,651	417	L	Built 2005
Lake Gibson Middle School		6901 N Socrum Loop	Lakeland	33809			0	0			
Lake Marion Creek School	2 Gym	3055 Lake Marion Creek Rd	Poinciana	34759	N	G	580	8,694	512	L	
Lake Marion Creek School	3 - 1st Floor	3055 Lake Marion Creek Rd	Poinciana	34759	N	G	575	8,626	802	L	
Lake Marion Creek School	3 - 2nd Floor	3055 Lake Marion Creek Rd	Poinciana	34759	N	G	801	12,008	847	L	
Lake Marion Creek School	5 - 1st Floor	3055 Lake Marion Creek Rd	Poinciana	34759	N	G	693	10,400	846	L	
Lake Marion Creek School	5 - 2nd Floor	3055 Lake Marion Creek Rd	Poinciana	34759	N	G	830	12,456	847	L	
Lake Marion Creek School	6 Café	3055 Lake Marion Creek Rd	Poinciana	34759	N	G	0	4,845	442	L	

**2018 Statewide Emergency Shelter Plan**

**POLK**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity) @15 SqFt/per person	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Lake Region High School	1	1995 Thunder Road	Eagle Lake	33839	R	G	0	0		S, F	
Lake Region High School	2	1995 Thunder Road	Eagle Lake	33839	R	G	318	4,768		S,F	per PBSJ study- hallways
Lake Region High School	3	1995 Thunder Road	Eagle Lake	33839	R	G, A	211	3,172		S, F	per PBSJ study- hallways
Lake Region High School	4	1995 Thunder Road	Eagle Lake	33839	R	G	478	7,168		S, F	per PBSJ study- hallways
Lakeland Highlands MS	3	740 Lake Miriam Drive	Lakeland	33813	N	G	0	8,400	557	L	open 2006
Laurel Elementary School	1	1851 Laurel Avenue	Poinciana	34759	N	G	368	5,516	387	L	
Laurel Elementary School	6 Classroom	1851 Laurel Avenue	Poinciana	34759	N	G	576	8,634	832	L	Per County
Lincoln Avenue Academy	9	1330 N. Lincoln Ave	Lakeland	33805	N	G	0	5,955	445	L	open 2006
Loughman Oaks ES	7 Classroom	4600 US Highway 17 92 N	Davenport	33837	N	G	339	5,084	343	L	open 2006
McKeel Academy	14 Gym	1810 W. Parker St	lakeland	33815	N	P	0	0	727	L	open 2004
Medulla Community Center					R	G	175	3,480		HB7121	
N.E. Roberts ES	4 Clsrms	6600 Green Rd	Lakeland	33810	N	G	495	7,427	487	L	open 8/02
N.E. Roberts ES	6 Clasrms	6600 Green Rd	Lakeland	33810	N	G	0	4,875	488	L	open 8/02
N.E. Roberts ES	7 Clasrms	6600 Green Rd	Lakeland	33810	N	G	275	4,124	382	L	per County
N.E. Roberts ES	2 Dining	6600 Green Rd	Lakeland	33810	N	G	296	4,447	367	L	open 8/02
O'Brien Elementary	9	1225 E. Lime St	Lakeland	33801	N	G, A	397	5,960	500	L	per County
O'Brien Elementary	10	1225 E. Lime St	Lakeland	33801	N	G	420	6,303	544	L	per County
Palmetto Elementary School	5	315 Palmetto Street	Poinciana	34759	N	G	698	10,465	797	L	per County
Palmetto Elementary School	4 Dining	315 Palmetto Street	Poinciana	34759	N	G	348	5,227	346	L	per County
Pinewood ES	6	1400 Gilber Street	Eagle Lake	33839	N	G	316	4,746	404	L	open 2006
Purcell ES	3	305 First Ave NE	Mulberry	33860	N	G	414	6,211	541	L	open 2006
R.B. Wagner Elementary	2	5500 Yates Road	Lakeland	33811	N	G	298	4,477	367	L	open 8/02
R.B. Wagner Elementary	4	5500 Yates Road	Lakeland	33811	N	G	495	7,427	487	L	open 8/02
R.B. Wagner Elementary	6	5500 Yates Road	Lakeland	33811	N	G	0	4,875	487	L	open 8/02
R.B. Wagner Elementary	7 Classroom	5500 Yates Road	Lakeland	33811	N	G	240	3,602	376	L	per County
Ridge Community HS (Senior)	2 - 1st Floor	500 W Orchid Drive	Davenport	33837	N	G	995	14,922	909	L	19,140 sq ft / 957 spaces-no survey
Ridge Community HS (Senior)	2 -2nd Floor	500 W Orchid Drive	Davenport	33837	N	G	773	11,601	868	L	15,661 sq ft / 783 spaces- no survey
Ridge Community HS (Senior)	3 - 1st Floor	500 W Orchid Drive	Davenport	33837	N	G	713	10,696	888	L	17,722 sq ft / 887 spaces- no survey
Ridge Community HS (Senior)	3 - 2nd Floor	500 W Orchid Drive	Davenport	33837	N	G	737	11,062	711	L	13,680 sq ft / 684 spaces- no survey
Ridge Community HS (Senior)	5 - 1st Floor	500 W Orchid Drive	Davenport	33837	N	G	413	6,202	405	L	8,706 sq ft / 435 spaces- no survey
Ridge Community HS (Senior)	6 (Gym)	500 W Orchid Drive	Davenport	33837	N	P	0	0	770	L	14,835 sq ft / 742 spaces-no survey
Ridgeview Global Studies Academy (Ridgeview ES)	2 Cafeteria	1000 Dunson Rd.	Davenport	33837	N	G	353	5,288	374	L, S	1523-2003
Ridgeview Global Studies Academy (Ridgeview ES)	6 Classroom	1000 Dunson Rd.	Davenport	33837	N	G	0	4,725	501		EHPA
Ridgeview Global Studies Academy (Ridgeview ES)	7 Classroom	1000 Dunson Rd.	Davenport	33837	N	G	240	3,604	376	L	per County
Rochelle School of Arts	15 - 1st flr	1501 MLK Avenue	Lakeland	33805	N	G	469	7,039	435		
Rochelle School of the Arts	15 - 2nd flr	1501 MLK Avenue	Lakeland	33805	N	G	375	5,617	511	L	open 2006



**2018 Statewide Emergency Shelter Plan**

**POLK**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity) @15 SqFt/per person	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Sandhill Elem School	2 Cafeteria	1801 Tyner Road	Haines City	33844	R	G	239	3,584	374	L, S	S-1523-2003
Sandhill Elem School	6 Classroom	1801 Tyner Road	Haines City	33844	N	G	380	5,703	501	L	open 2003
Sandhill Elem School	7 Classroom	1801 Tyner Road	Haines City	33844	N	G	238	3,577	376	L	per County
Scott Lake ES	4	1140 E. County Road 540A	Lakeland	33813	N	G	413	6,201	432	L	open 2006
Sleepy Hill ES	3- 1st floor	2285 Sleepy Hill Road	Lakeland	33810	N	G	516	7,741	582	L	open 2006
Sleepy Hill ES	3-2nd floor	2285 Sleepy Hill Road	Lakeland	33810	N	G	0	8,325	585	L	open 2006
Sleepy Hill ES	4- 1st floor	2285 Sleepy Hill Road	Lakeland	33810	N	G	461	6,911	582	L	open 2006
Sleepy Hill ES	4-2nd floor	2285 Sleepy Hill Road	Lakeland	33810	N	G	0	6,795	585	L	open 2006
Sleepy Hill ES	5-Dining	2285 Sleepy Hill Road	Lakeland	33810	N	G	358	5,366	444	L	open 2006
Southwest ES	9	2650 Southwest Avenue	Lakeland	33803	N	G	385	5,771	425	L	open 2006
Spook Hill ES	14	321 East North Avenue	Lake Wales	33853	N	G	344	5,162	343	L	open 2006
Stambaugh, Jere L Middle School	1	226 N Bartow Road	Auburndale	33823	R	G	0	0		S, F	not Completed
Stambaugh, Jere L Middle School	3	226 N Bartow Road	Auburndale	33823	R	G	0	0		S, F	not Completed
Stambaugh, Jere L Middle School	8	226 N Bartow Road	Auburndale	33823	R	G	0	0		S, F	not Completed
Stambaugh, Jere L Middle School	9 Gymnasium	226 N Bartow Road	Auburndale	33823		G	0	0			
Stephens ES	5	1350 N Maple Street	Bartow	33830	N	G	318	4,763	402	L	open 2006
Tenoroc Senior High	2-1st Floor	4905 Saddle Creek Road	Lakeland		N	G	1,016	15,237	962	L	per County
Tenoroc Senior High	2-2nd Floor	4905 Saddle Creek Road	Lakeland		N	G	908	13,623	870	L	per County
Tenoroc Senior High	3-1st floor	4905 Saddle Creek Road	Lakeland		N	G	0	10,245	742	L	per County
Tenoroc Senior High	3-2nd floor	4905 Saddle Creek Road	Lakeland		N	G	742	11,125	654	L	per County
Tenoroc Senior High	5-Dining	4905 Saddle Creek Road	Lakeland		N	G	404	6,056	437	L	per County
Tenoroc Senior High	6-Gym	4905 Saddle Creek Road	Lakeland		N	G	1,123	16,852	754	L	per County
Winter Haven High School	20-Café	600 6th Street SE	Winter Haven	33880	N	G	449	6,736	492	L	per County

**TOTALS FOR POLK COUNTY**      **34,517**      **586,537**      **47,297**

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ T/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>34,517</b>	<b>42,257</b>	<b>-7,740</b>	<b>586,537</b>			<b>-258,603</b>	<b>DEFICIT</b>		

**Special Needs Storm Shelters**

2018 Statewide Emergency Shelter Plan

**POLK**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bartow Adult Day Care Center	Center				R	P	0	0		EMPA	Backup Shelter. No LRDM.
Haines City Adult Day Care Center	Center				R	P	0	0		EMPA	Backup Shelter. No LRDM.
Lakeland Senior Center, Bartow, Haines City Senior Centers							0	0	0		
McKeel Academy	14 Gym	1810 W. Parker St	Lakeland	33815	N	P	242	14,532	727	L	Built 2004
Ridge Community HS (Senior)	6 Gym	500 Orchid Drive	Davenport	33837	N	P	412	16,475	1,235	L	Built 2004
Polk County Health Dept Specialty Care Unit		1255 Brice Blvd	Bartow	33830		P	409	24,575			Per County 2013
							0	0			
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIEN T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>1,063</b>	<b>3,246</b>	<b>-2,183</b>	<b>63,780</b>			<b>-130,980</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**PUTNAM**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Browning-Pearce Elementary School (NEW)	1 Admin	100 Bear Boulevard	San Mateo	32187	N	G	80	1,600		S	Built 1988. Contract 13-SR-AA-04-64-03-494 Completed 2015
Browning-Pearce Elementary School (NEW)	2 Classroom	100 Bear Boulevard	San Mateo	32187	N	G	500	10,000		S	Built 1988. Contract 13-SR-AA-04-64-03-494 Completed 2015
Browning-Pearce Elementary School (NEW)	3 Classroom	100 Bear Boulevard	San Mateo	32187	N	G	500	10,000		S	Built 1988. Contract 13-SR-AA-04-64-03-494 Completed 2015
Browning-Pearce Elementary School (NEW)	4 Multipurpose	100 Bear Boulevard	San Mateo	32187	N	G	500	10,000	325	S, L	Built 1988. Contract 13-SR-AA-04-64-03-494 Completed 2015
Browning-Pearce Elementary School (NEW)	5 Classroom	100 Bear Boulevard	San Mateo	32187	N	G	500	10,000		S	Built 1988. Contract 13-SR-AA-04-64-03-494 Completed 2015
Browning-Pearce Elementary School (NEW)	6 Classroom	100 Bear Boulevard	San Mateo	32187	N	G	250	4,999		S	Built 1988. Contract 13-SR-AA-04-64-03-494 Completed 2015
Browning-Pearce Elementary School (NEW)	12 Classroom	100 Bear Boulevard	San Mateo	32187	N	G	175	6,271		S	Contract 13-SR-AA-04-64-03-494 Completed 2015
Crescent City Jr / Sr High School	1 Classroom	2201 S Highway 17	Crescent City	32112		G	0	0	1,000		
Interlachen Elementary School	2 Classroom	251 S State Rd 100	Interlachen	32148	N	G	0	0	459		Built 1988. 2014 LRDM Survey
Interlachen Elementary School	3 Classroom	251 S State Rd 100	Interlachen	32148	N	G	0	0	431		Built 1988. 2014 LRDM Survey
Interlachen Elementary School	4 Cafeteria / Classroom	251 S State Rd 100	Interlachen	32148		G	0	0	376		Built 1988. 2014 LRDM Survey
Interlachen Elementary School	5 Classroom	251 S State Rd 100	Interlachen	32148	N	G	0	0	470		Built 1988. 2014 LRDM Survey
Interlachen Elementary School	6 Classroom	251 S State Rd 100	Interlachen	32148	N	G	0	0	272		Built 1988. 2014 LRDM Survey
Jenkins Middle School	5 Gymnasium	1100 N 19th Street	Palatka	32177	R	G	0	0	600	HB7121	2014 LRDM Survey
Kelley Smith ES	6 Classroom	141 Kelly Smith Road	Palatka	32177	R	G	0	0		HB7121	dropped
Kelley Smith ES	12 Classroom	141 Kelly Smith Road	Palatka	32177	R	G	240	4,809	240		Surveyed 2014 (EHPA)
Middleton Burney ES	1 Classroom	1020 Huntington Road	Crescent City	32112	R	G	805	16,100	805	HB7121	
Ochwilla Elementary School	4 Dining	299 N SR 21	Melrose	32640	N	G, A	260	3,894	325	S, L	sf per shelter study
QI Roberts Middle School	2 Classroom	901 SR100	Florahome	32140	N	G	193	4,321	216	L	EHPA per 2014 LRDM
QI Roberts Middle School	5 Gymnasium	901 SR100	Florahome	32140	N	G	424	8,485	424	L	EHPA per 2014 LRDM
QI Roberts Middle School	6 Classroom	901 SR100	Florahome	32140	N	G	194	4,687	234	L	EHPA per 2014 LRDM
<b>TOTALS FOR PUTNAM COUNTY</b>							<b>4,621</b>	<b>95,166</b>	<b>6,177</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft<sup>2</sup>)</b>			<b>SUFFICIENT/ Deficit (ft<sup>2</sup>)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>4,621</b>	<b>4,748</b>	<b>-127</b>	<b>95,166</b>			<b>206</b>	<b>DEFICIT</b>			
<b>Special Needs Storm Shelters</b>											

2018 Statewide Emergency Shelter Plan

**PUTNAM**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
K. Smith School- New bldg	12	141 Kelly Smith Road	Palatka	32177	N	P	145	8,677	144		Built 2006
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>145</b>	<b>100</b>	<b>45</b>	<b>8,677</b>			<b>2,677</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**SAINT JOHNS**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Allen D Nease HS	14 multi purpose	10550 Ray Road	St. Augustine	32081			0	0	800		
Creekside High School		100 Knights Lane	St. Johns	32259					500		Retrofit completion expected 2018
Creekside High School	1 Dining (1st Floor)	100 Knights Lane	St. Johns	32259	N	G	608	12,167			Built 2006. 2014 LRDM. Dining Only
Creekside High School	2 Library / Music	100 Knights Lane	St. Johns	32259	N	G	184	3,671			Built 2006. 2014 LRDM. Music area meets ARC 4496. Library needs Fenestration protection
Creekside High School	3 Auditorium	100 Knights Lane	St. Johns	32259	N	G	321	6,420			Built 2006. 2014 LRDM
Creekside High School	4 Gymnasium	100 Knights Lane	St. Johns	32259	N	G	678	13,564			Built 2006. 2014 LRDM
Cunningham Creek Elementary School	1 Classroom	1205 Roberts Road	St. Johns	32259	R	G	671	13,422			Built 1995. 2014 LRDM
Cunningham Creek Elementary School	2	1205 Roberts Road	St. Johns	32259	R	G	195	4,000	800	HMGP	Built 1995. 2014 LRDM
Cunningham Creek Elementary School	3	1205 Roberts Road	St. Johns	32259	R	G	362	7,700	800	HMGP	Built 1995. 2014 LRDM
Cunningham Creek Elementary School	4	1205 Roberts Road	St. Johns	32259	R	G	441	8,000	800	HMGP	Built 1995. 2014 LRDM
Durbin Creek Elementary	1 Section A2, A3 & B Classroom	4100 Race Track Road	St. Johns	32259	N	G	999	44,688	500	L	Built 2003. 2014 LRDM
Durbin Creek Elementary	1 Section E & F Cafeteria / Audit	4100 Race Track Road	St. Johns	32259	N	G	226	4,527			Built 2003. 2014 LRDM
Durbin Creek Elementary	2	4101 Race Track Road	St. Johns	32259	R	G	276	5,040		S-1621X	
Fruit Cove Middle School	1A-Gym	2680 Race Track Road	St. Johns	32259	N	G	1,122	28,060	500	L	local project
W Douglas Hartley Elementary School	3 Classroom	260 Cacique Drive	St. Augustine	32086			471	9,415	335		Built 2010. 2014 LRDM.
Hickory Creek Elem School	1 Section C CR	235 Hickory Creek Trail	St. Johns	32259	N	G	334	6,675			Built 2004. 2014 LRDM.
Hickory Creek Elem School	1 Section D CR	235 Hickory Creek Trail	St. Johns	32259	N	G	395	7,891			Built 2004. 2014 LRDM.
Hickory Creek Elem School	1 Section E & F Caf / Auditorium	235 Hickory Creek Trail	St. Johns	32259	N	G	229	4,572	500	L	Built 2004. EHPA. 2014 LRDM.
Hickory Creek Elem School	2 Classroom	235 Hickory Creek Trail	St. Johns	32259	N	G	276	5,511			Built 2010. 2014 LRDM
Julington Creek Elementary School	3Section Cafeteria / Classroom	2316 Racetrack Road	St. Johns	32259		G	378	7,567			Built 2007. 2014 LRDM: Caf ONLY, CR has Unprotected Fenestration.
Mill Creek Elementary School	7 Classroom	6550 International Caf Parkway	St. Johns	32092	N	G	856	17,121			Built 2010. 2014 LRDM.
Otis Mason Elementary School	1 Classroom	207 Mason Manatee Way	St. Augustine	32086	R	G	662	13,236			Built 1992. 2014 LRDM.
Otis Mason Elementary School	2 Classroom	207 Mason Manatee Way	St. Augustine	32086	R	G	253	5,060	800	HMGP	Built 1992. 2014 LRDM.
Otis Mason Elementary School	3 Classroom	207 Mason Manatee Way	St. Augustine	32086	R	G	333	6,657		HMGP	Built 1992. 2014 LRDM.
Otis Mason Elementary School	4 Classroom	207 Mason Manatee Way	St. Augustine	32086	R	G	416	8,323		HMGP	Built 1992. 2014 LRDM.
Pacetti Bay Middle School	1 main sections 500A, 500B	245 Meadowlark Lane	St. Augustine	32259	R	G,P	460	4,000		SR	Retrofirt Expected Completion 2018

2018 Statewide Emergency Shelter Plan

**SAINT JOHNS**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Pacetti Bay Middle School	Section 400	246 Meadowlark Lane	St. Augustine	32259	R	G,P	200	4,000		SR	Retrofirt Expected Completion 2019
Patriot Oaks Academy	1 Main	475 Longleaf Pine Parkway	St. Johns	32259		G	500	10,000	500	DRI Mitigation Project	EHPA: reported by County 2015
Pedro Menendez High School	4-Gymnasium (1st Floor)	600 SR-206 West	St. Augustine	32086	N	G	1,233	30,823	500	L	Built 1999. 2014 LRDM: Gym EHPA / Classroom Non-EHPA
South Woods Elementary School	1 Section E, F Caf/Auditorium	4750 SR 206 West	Elkton	32033	N	G, A	226	4,527	500	L	Built 2004. LRDM 2014
Switzerland Point Middle School	1-A gym	777 Greenbriar Road	St. Johns	32259	R		1,377	74,540	800		Retrofirt Expected Completion 2018
Switzerland Point Middle School	1-B Cafeteria	778 Greenbriar Road	St. Johns	32259	R		462				Retrofirt Expected Completion 2018
Switzerland Point Middle School	1-C Auditorium	779 Greenbriar Road	St. Johns	32259	R		187				Retrofirt Expected Completion 2018
Switzerland Point Middle School	1-D Classroom	780 Greenbriar Road	St. Johns	32259	R		733				Retrofirt Expected Completion 2018
Switzerland Point Middle School	1-E classroom	781 Greenbriar Road	St. Johns	32259	R		466				Retrofirt Expected Completion 2018
Timberlin Creek Elem School	1 - Section E & F Cafeteria / Audit	555 Pine Tree Lane	St. Augustine	32092	N	G, A	226	4,527	500	L	Built 2004. EHPA. 2014 LRDM.
Timberlin Creek Elem School	2 Classroom	555 Pine Tree Lane	St. Augustine	32092	N	G, A	276	5,511	500	L	Built 2004. EHPA. 2014 LRDM.
Timberlin Creek Elem School	1C classroom	556 Pine Tree Lane	St. Augustine	32092	N		0				Built 2004. 2014 LRDM.
Timberlin Creek Elem School	1D classroom	557 Pine Tree Lane	St. Augustine	32092	N		0				Built 2004.. 2014 LRDM.
<b>TOTALS FOR SAINT JOHNS COUNTY</b>							<b>17,031</b>	<b>381,215</b>	<b>9,635</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>17,031</b>	<b>11,325</b>	<b>5,706</b>	<b>381,215</b>			<b>154,715</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											
Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Pacetti Bay MS	Caf	245 Meadowlark Lane	St. Augustine	32092	N	P	596	60,000	596		Built Aug 2006. EHPA

2018 Statewide Emergency Shelter Plan

**SAINT JOHNS**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
Storm Category 4/5	596	515	81	60,000			60,000	SUFFICIENT			

2018 Statewide Emergency Shelter Plan

**SAINT LUCIE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bayshore ES	Café	1661 SW Bayshore Blvd	Port St. Lucie	34984	R	G	499	12,481	220	S-1118A	
C.A. Moore Elementary School	9-Café	827 N 29th Street	Ft. Pierce	34947	R	G	677	16,917	412	S-1543	confirmed PBSJ report.
Copper Creek K-8		12051 Copper Creek Dr	Port St. Lucie	34987	N	G	500	10,000	500		
Dale Cassins School		1901 S 11th Street	Ft. Pierce	34947			0	0			
Dan Mc Carty MS	café	1201 Mississippi	Ft. Pierce	34950	R	P	0	0		L	
Dan Mc Carty MS	21	1201 Mississippi	Ft. Pierce	34950		G	220	4,400	220		
Fairlawn Elementary School		1900 S 33rd Street	Ft. Pierce	34947			0	0			no shutters, 1988 Const- 2005 PB SJ report.
Floresta Elementary School	1	3201 S 25th Street	Ft. Pierce	34950	R	G	770	19,247	411	S-1118A	tilit up walls okay.
Forest Grove Middle School		1501 SE Floresta Drive	Port St. Lucie	34983			0	0			
Frances K. Sweet Elementary School		1400 Avenue Q	Ft. Pierce	34950			0	0			no shutters, 1988 Const- 2005 PB SJ report.
Ft. Pierce Central High School		1101 Edwards Road	Ft. Pierce	34982			0	0			
Ft. Pierce Central High School		4101 S. 25th Street	Fort Pierce	34981	N	G	500	10,000	500		
Human Resources Development Center	Gym				R	G	350	7,000		S-pa	
Lakewood Park Elementary School	1	7800 Indrio Road	Ft. Pierce	34951	R	G	605	15,118	215	S-1118A	
Lincoln Park Academy		1806 Avenue	Ft. Pierce	34950							
Manatee Elementary School	Café	1450 SW Heatherwood	Port St. Lucie	34986	R	G	361	9,022	215	S	corridors and café
Mariposa Elementary School	Café	2620 SE Maripose Ave	Port St. Lucie	34952	R	G	361	9,022	225	S	corridors and café
Morningside Elementary School	1	2300 SE Gowin Drive	Port St. Lucie	N/A	R	G	543	13,566	215	S-1118A	corridors and café
Northport Middle School		250 NW Floresta	Port St. Lucie	34983			0	0			
Oak Hammock K-8 School	1	1251 SW California Blvd	Port St. Lucie	34953	N	G	1,521	30,425			Per PBSJ report
Oak Hammock K-8 School	2	1251 SW California Blvd	Port St. Lucie	34953	N	G	1,576	31,515			Per PBSJ report
Oak Hammock K-8 School	4	1251 SW California Blvd	Port St. Lucie	34953	N	G	513	12,826	500		Per PBSJ report
Oak Hammock K-8 School	5	1251 SW California Blvd	Port St. Lucie	34953	N	G	487	9,738			Per PBSJ report
Parkway ES	Café	7000 NW Selvitz Road	Ft. Pierce	34981	R	G	417	10,418	220	S-1118A	Cafeteria only????
Port St. Lucie High School		1201 SE Leennard Road	Port St. Lucie	34952			0	0			
Samuel S Gaines K-8		2250 S Jenkins Road	Fort Pierce	34947	N	G	500	10,000	500		
Savanna Ridge ES	1 Café	6801 Lennard Rd	Port St. Lucie	34982	R	G	677	16,917	516	S-1523-2002	
Southport Middle School		2420 SE Morningside	Port St. Lucie	34952			0	0			
St. Lucie (SpNS)	Auditorium	2000 Virginia Ave	Ft. Pierce	394945	N	P	0	0	500	CBIR S1508/	06CP-4Y-01-13-01-299.
St. Lucie West Middle School		1001 SW Juliet Avenue	Port St. Lucie	34986			0	0			
Treasure Coast HS		1000 SW Darwin BLVD	Port St. Lucie		N	G	1,875	46,874			
Village Green Elementary School	Café	1700 Lennard Road	Port St. Lucie	34952	R	G	348	8,706	220	S-1118A	
Weatherbee ES	Café	800 E. Weatherbee Rd	Port St. Lucie	34982	R	G	975	24,385	576	S-1523-2002	
West Gate K-8		1050 SW Cashmere Blvd	Port St. Lucie		N	G	500	10,000			
Westwood High School	1	1801 Panther Lane	Ft. Pierce	34947	R	G	1,733	43,326	632	S	verified by LRDM
White City Elementary School		905 W 2nd Street	Ft. Pierce	34982			0	0			



2018 Statewide Emergency Shelter Plan

**SAINT LUCIE**

Windmill Point Elementary School	Café	700 Darwin Boulevard	Port St. Lucie	34983	R	G	377	9,435	220	S-1118a
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<b>TOTALS FOR SAINT LUCIE COUNTY</b>							<b>16,885</b>	<b>391,338</b>	<b>7,017</b>
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	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT
<b>Storm Category 4/5</b>	<b>16,885</b>	<b>7,833</b>	<b>9,052</b>	<b>391,338</b>			<b>234,678</b>	<b>SUFFICIENT</b>

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Port St. Lucie Community Center	2	2195 SE Airoso Blvd	Port St. Lucie	34984		P	166	11,161	166		
Havert L Fenn Community Center		2000 Virginia Ave	Ft. Pierce	34945		P	334	20,040	334		06CP-4Y-01-13-01-299. DOH notes 1600 k/w Generator (w/ 8,000 gallon fuel tank) supports HVAC

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT
<b>Storm Category 4/5</b>	<b>500</b>	<b>2,851</b>	<b>-2,351</b>	<b>30,000</b>			<b>-141,060</b>	<b>DEFICIT</b>

2018 Statewide Emergency Shelter Plan

**SANTA ROSA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Avalon Middle School	1	5445 King Arthur's Way	Milton	32583	N	G, A	352	8,855	1,846	HMGP	
Avalon Middle School	1	5445 King Arthur's Way	Milton	32583	R	G	1,343	26,855			
Bennet C. Russel ES	1 - All other corridors	3740 Excalibur Way	Milton	32583	N	G	4,000	80,007	500	HB7121	The 500 spaces for care givers / family members accompanying the person with special needs.(SpN =236 as below)
Chumuckla Community Center	Main Bldg Meeting Area	2355 Highway 182	Jay	32565	R	G	115	2,318	115	S-1543A	per County update
City of Milton Community Center	Main	5629 Byron	Milton	32570	N	G	352	7,040	352	HMGP	May be used as both Spns and General during small incidents
Dixon Intermediate School	1	5540 Education Drive	Pace	32571	R	G	2,193	37,469	1,200	HMGP S-1496-2009	
Thomas L. Sims Middle School	1	5500 Education Drive	Pace	32571	R	G, P	704	42,262	0	HMGP	Alternate SpNS
Jay High School	27 Corridors 100, 200, 300 & 500	3741 School Road	Jay	32565	N	G	753	15,050	753	L	Certificate of Participation (COP's)
Jay High School	28 Corridor 400	3741 School Road	Jay	32565	N	G	130	2,600	0		
West Navarre Primary School	100 wing	1955 Lowe Road	Navarre	32566	R	G	98	1,960	0	S FY 11-12 1515A	Completed 4-10-2014 ( Will not be used as Risk Shelter because it is located in the South end of the County, all bldgs)
West Navarre Primary School	200 wing	1955 Lowe Road	Navarre	32566	R	G	385	7,700	0	S FY 11-12 1515A	
West Navarre Primary School	300 wing	1955 Lowe Road	Navarre	32566	R	G	497	9,940	0	S FY 11-12 1515A	
West Navarre Primary School	400 wing	1955 Lowe Road	Navarre	32566	R	G	425	8,500	0	S FY 11-12 1515A	
West Navarre Primary School	500 wing	1955 Lowe Road	Navarre	32566	R	G	343	6,860	0	S FY 11-12 1515A	
West Navarre Primary School	600 wing	1955 Lowe Road	Navarre	32566	R	G	377	7,540	0	S FY 11-12 1515A	
<b>TOTALS FOR SANTA ROSA COUNTY</b>							<b>12,067</b>	<b>264,956</b>	<b>4,766</b>		
	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT T/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>12,067</b>	<b>5,875</b>	<b>6,192</b>	<b>264,956</b>			<b>147,456</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**SANTA ROSA**

Special Needs Storm Shelters

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bennet C. Russel ES	A/C Corr & Café	3740 Excalibur Way	Milton	32583	N	P	236	14,196			600KW HW
Thomas L. Sims Middle School	1	5500 Education Drive	Pace	32571	R	P	704	42,262	351		600KW HW + 80KW lights,recepticles
Milton Comm. Ctr	main	5629 Byron	Milton	32570	N	P	0	0	24		Used as a dual shelter, 24 spaces SpNS
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIEN T/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>940</b>	<b>150</b>	<b>790</b>	<b>56,400</b>			<b>47,400</b>	<b>SUFFICIENT</b>			

2018 Statewide Emergency Shelter Plan

**SARASOTA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Alta Vista ES		1050 South Euclid Avenue	Sarasota	34237			0	0	0	0	
ARC Chapter		2001 Cantu Court	Sarasota	34232	R		0	0	200	L	for sheltering responders
Ashton Elementary School	1	5101 Aston Road	Sarasota	34223	R	G	0	0	966	L	per report open span/ unreinf. 2002/2004 reroof designed for 130mph
Ashton Elementary School	2	5101 Aston Road	Sarasota	34223	R	G	0	0	622	L	no report on this bldg circa 2003
Atwater Elementary School	1 Main	4701 Huntsville Ave	North Port	34288	N	G	0	0	3,434	L	Built 2008 (FISH)
Bishop Niven Acadamey / St Martha Catholic School	Dome A	4380 Fruitville Road	Sarasota	34237	N/R		415	8,300	415	F-PDM	
Bishop Niven Acadamey / St Martha Catholic School	Dome B	4380 Fruitville Road	Sarasota	34237	N/R		524	10,480	524	F-PDM	
Bishop Niven Acadamey / St Martha Catholic School	Dome E	4380 Fruitville Road	Sarasota	34237	N/R		172	3,440	172	F-PDM	
Bishop Niven Acadamey / St Martha Catholic School	Dome F	4380 Fruitville Road	Sarasota	34237	N/R		302	6,040	302	F-PDM	
Booker Middle School	6	2250 Myrtle Street	Sarasota	34234	R	G	475	7,180	0	S-1435A-2003	
Booker Middle School	7	2250 Myrtle Street	Sarasota	34234	R	G	355	6,130	355	S-1435A-2003	circa 2002
Booker Middle School	14	2250 Myrtle Street	Sarasota	34234	N	G	1,062	21,240	1,062		Built 2004
Fruitville Elementary School	9	601 Honore Avenue	Sarasota	34232			0	0	381		bldg 9 2004
Gocio Elementary School	3	3450 Gocio Road	Sarasota	34235	R	G	0	0	0		
Gocio Elementary School	5	3450 Gocio Road	Sarasota	34235	R	G	0	0	0		
Lakeview Elementary School	#1, Sec 300	7299 Proctor Road	Sarasota	34241	R	G			0	s-1543	Window protection compromised
Lakeview Elementary School	#1, Sec 400	7299 Proctor Road	Sarasota	34241	R	G			0	s-1543	Window protection compromised
Lakeview Elementary School	#1, Sec 500	7299 Proctor Road	Sarasota	34241	R	G			0	s-1543	Window protection compromised
Oak Park School	4	7285 Proctor Road	Sarasota	34241	R	P	0	0	0	HMGP	Post Storm only due to roof
Oak Park School	2A	7285 Proctor Road	Sarasota	34241	R	P	0	0	0	HMGP	Post Storm only due to roof
Oak Park School	2B	7285 Proctor Road	Sarasota	34241	R	P	0	0	0	HMGP	Post Storm only due to roof
Oak Park School	3A	7285 Proctor Road	Sarasota	34241	R	P	0	0	0	HMGP	Post Storm only due to roof
Oak Park School	3B	7285 Proctor Road	Sarasota	34241	R	P	0	0	0	HMGP	Post Storm only due to roof
Sarasota Technical Institute	3-Voc & 4-Voc	4748 Beneva Road	Sarasota	34233							2011 FDOE Funds spent, FISH
Sarasota Middle School	4	4826 Ashton Road	Sarasota	34233	R	G	0	0	0	S-1543	Window protection compromised
Sarasota Middle School	6	4826 Ashton Road	Sarasota	34233	R	G	0	0	0	S-1543	Window protection compromised

2018 Statewide Emergency Shelter Plan

**SARASOTA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Sarasota Middle School	7	4826 Ashton Road	Sarasota	34233	R	G	0	0	0	S-1543	Window protection compromised
Sarasota Middle School	8	4826 Ashton Road	Sarasota	34233			0	0	0		Window protection compromised
Sarasota Middle School	9	4826 Ashton Road	Sarasota	34233			0	0	0		Window protection compromised
Sarasota Middle School	10 & 11	4826 Ashton Road	Sarasota	34233			0	0	0		Window protection compromised
Sarasota Middle School	3 & 5	4826 Ashton Road	Sarasota	34233			0	0	0		Window protection compromised
Suncoast Polytechnical High School	1 Classroom	4650 Beneva Road	Sarasota	34233	N	G	881	17,628	1,134		Built 2007 (FISH)
Tatum Ridge Elementary	1	4100 Tatum Road	Sarasota	34240	N	P	0	0	1,091	I	SpNS see below
Tuttle Elementary School	3 Cafeteria	925 N Brink Avenue	Sarasota	34237							Built 1998. 2000 LRDM
Tuttle Elementary School	2 Classroom (1st & 2nd Floor)	925 N Brink Avenue	Sarasota	34237	N / R	G	1,278	25,561	1,883	L	
Wilkinson Elementary School 8/1/05	6	3400 Wilkinson Road	Sarasota	34231	N	G	822	20,551	765		2005 - Planned for use as Alt EOC
<b>TOTALS FOR SARASOTA COUNTY</b>							<b>8,540</b>	<b>171,630</b>	<b>0</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>8,540</b>	<b>29,826</b>	<b>-21,286</b>	<b>171,630</b>			<b>171,630</b>	<b>DEFICIT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R) New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Oak Park School		7285 Proctor Road	Sarasota	34241	R	P	0	0	525		Built 1991. Post storm use only due to long span roof.

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>0</b>	<b>1,900</b>	<b>-1,900</b>	<b>0</b>			<b>-114,000</b>	<b>DEFICIT</b>		

2018 Statewide Emergency Shelter Plan

**SEMINOLE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bentley ES	1 Main / Dining (1st Floor)	2190 Oregon Avenue	Sanford	32771	R	G, P, A	172	3,435			S-1435A-2003	SpNS see below
Bentley Elementary	1 Main / Dining (2nd Floor)	2190 Oregon Ave	Sanford	32771	R	P	1,019	20,380			S	Completed 2015. 15-SR-94-06-69-01-464
Bentley Elementary	3 Classroom	2190 Oregon Ave	Sanford	32771	R	G	575	11,500			S	Completed 2015. 15-SR-94-06-69-01-464
Chiles MS	1 Admin / Café	1240 Sanctuary Drive	Oviedo	32766	N	G	206	4,119		0		2010 LRDM
Chiles MS	5 Gym / Corridor	1240 Sanctuary Drive	Oviedo	32766	R	G	570	11,400		285	S	Completed 2014 13-SR-AA-06-69-01-312
Crystal Lakes ES	1	231 Rinehart Road	Lake Mary	32746	N	G	500	10,000		500	L	
English Estates Elementary School	100 Classroom	299 Oxford Road	Fern Park	32370	R	G	1,000	17,300		1,000	HMGP	
English Estates Elementary School	600 Dining / Classroom	299 Oxford Road	Fern Park	32370	N	G	334	6,677		0		2010 LRDM
Geneva Elementary School	4 Dining	275 1st Street	Geneva	32372	R	G	193	2,900		275	HMGP	LRDM confirmed
Hagerty High School	4 Multipurpose / Gym	3225 Lockwood Blvd	Oviedo	32765	R	G	831	16,620			S	2015_05-27 County reported that this building has been retrofitted
Hagerty High School	5 Cafeteria	3225 Lockwood Blvd	Oviedo	32765	R	G	280	5,600			S	Completed 2015. 15-SR-94-06-69-01-464
Hagerty High School	6 Classroom	3225 Lockwood Blvd.	Oviedo	32765	R	G	940	18,800		470	S	Completed 2014 13-SR-AA-06-69-01-312
Hagerty High School	7 Classroom	3225 Lockwood Blvd.	Oviedo	32765	R	G	876	17,520		438	S	Completed 2014 13-SR-AA-06-69-01-312
Hagerty High School	8 Gymnasium	3225 Lockwood Blvd.	Oviedo	32765	R	G	776	15,520		388	S	Completed 2014 13-SR-AA-06-69-01-312
Hagerty High School	9 Auditorium, Music	3225 Lockwood Blvd.	Oviedo	32765	R	G	794	15,880		397	S	Completed 2014 13-SR-AA-06-69-01-312
Highlands Elementary School	1 Classroom-1st floor (excluding	1600 Shepard Road	Winter Springs	32708	R	G, P	743	14,852		212	S-1118A	LRDM confirmed
Highlands Elementary	1 Classroom (2nd Floor)	1600 Sheppard Rd	Winter Springs	32708	R	G	373	7,460			S	Completed 2015. 15-SR-94-06-69-01-464
John Evans Elementary	1 Main (1st Floor)	100 East Chapman Road	Oviedo	32765	R	G	838	20,960		424	HMGP	2010 LRDM
John Evans Elementary	1 Cafeteria / Cism (2nd Floor)	100 East Chapman Road	Oviedo	32765	R	G	1,038	20,760			S	Completed 2015. 15-SR-94-06-69-01-464
Lake Brantley High School	6 Classroom (1st Floor)	991 Sand Lake Road	Altamonte Springs	32714	R	G	667	13,414		666	S-1588-2006	
Lake Brantley High School	7 Classroom (1st Floor)	991 Sand Lake Road	Altamonte Springs	32714	R	G	741	18,534		666	S-1588-2006	
Lake Brantley High School	8 Classroom (1st Floor)	991 Sand Lake Road	Altamonte Springs	32714	R	G	667	16,034		668	S-1588-2006	Completed 8 / 07
Lake Mary High School	Gym / Cafe / 1st floor hallways	655 Longwood / Lake Mary Rd	Lake Mary	32746	R	G	1,810	45,239		1,200	S-1118A	LRDM confirmed-first floor
Lawton Chiles MSI	4 (Music/gym) / 5 (gym)	3225 Lockwood Blvd	Oviedo	32765	R	G	750	15,286		750	S-1523	LRDM confirmed
Layer ES	1 (excluding Café)	SR 419	Winter Springs	32708	R	G	2,018	40,368		100	S-1588-2006	SpNS see below-Completed 8/07
Lyman Sr High School	7 Cafeteria / Cism (1st Floor)	865 CR 427 South	Longwood	32750	R	G, A	993	14,891		1,500	HMGP	LRDM confirmed
Lyman Sr High School	7 Cafeteria / Cism (2nd Floor)	865 Ronald Regan Blvd	Longwood	32750	R	G					S	Completed 2015. 15-SR-94-06-69-01-464
Lyman Sr High School	8A Auditorium	865 CR 427 South	Longwood	32750	R	G, A	286	5,728				2010 LRDM
Lyman Sr High School	8B Classroom	865 CR 427 South	Longwood	32750	R	G, A	261	5,210				2010 LRDM
Markham Woods MS	2 Classroom	6003 Markham Woods Rd	Lake Mary	32746	R	G	669	13,380		335	S	Completed 2014 13-SR-AA-06-69-01-312
Markham Woods MS	3 Classroom	6003 Markham Woods Rd	Lake Mary	32746	R	G	709	14,180		355	S	Completed 2014 13-SR-AA-06-69-01-312
Markham Woods MS	4 Classroom	6003 Markham Woods Rd	Lake Mary	32746	R	G	644	12,880		322	S	Completed 2014 13-SR-AA-06-69-01-312
Markham Woods MS	5 Gymnasium	6003 Markham Woods Rd	Lake Mary	32746	R	G	557	11,140		279	S	Completed 2014 13-SR-AA-06-69-01-312
Markham Woods MS	6 Cafeteria	6003 Markham Woods Rd	Lake Mary	32746	R	G	206	4,119				2010 LRDM (EHPA)

**2018 Statewide Emergency Shelter Plan**

**SEMINOLE**

Midway ES (NEW)	1 Classroom	2251 Jitway	Sanford	32771	N	G	500	10,000		500	L	online 2010
Millennium Middle School	2 Auditorium	21 Lake View Dr	Sanford	32773	R	G	701	14,020			S	Completed 2015. 15-SR-94-06-69-01-464
Millennium Middle School	3 Café	21 Lakeview Drive	Sanford	32773	R	G	219	4,372		650	HMGP	ARC 4496 form
Millennium Middle School	5 Classrms & Hall (1st flr)	21 Lakeview Drive	Sanford	32773	R	G	1,234	24,674			HMGP	ARC 4496 form
Millennium Middle School	5 Classrm & Hall (2nd Floor)	21 Lake View Dr	Sanford	32773	R	G	884	17,680			S	Completed 2015. 15-SR-94-06-69-01-464
Oviedo HS	8 Classroom	601 King St.	Oviedo	32765	R	G	2,005	40,100		1,003	S-SR-312/2013	Completed 2014 13-SR-AA-06-69-01-312
Walker ES	1 Café (1st floor)	3101 Snowhill	Chuluota	32766	R	G	375	7,500		400	S-1588-2006	Completed 8/07
Winter Springs High School	4 Classroom (1st Floor)	130 Tuskawilla Road	Winter Springs	32708	R	G	719	17,964		440	S-1588-2006	Completed 8/07
Winter Springs High School	5 Classroom (1st Floor)	130 Tuskawilla Road	Winter Springs	32708	R	G	565	8,331			S-1467-2004	
Winter Springs High School	6 Classroom (1st Floor)	130 Tuskawilla Road	Winter Springs	32708	R	G	522	7,834			S-1467-2004	
Winter Springs High School	7 Classroom (1st Floor)	130 Tuskawilla Road	Winter Springs	32708	R	G	367	5,510			S-1467-2004	
<b>TOTALS FOR SEMINOLE COUNTY</b>							<b>31,126</b>	<b>630,071</b>	<b>0</b>	<b>14,221</b>		

	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT / Deficit In People</b>	<b>Shelter Capacity</b>			<b>SUFFICIENT T/Deficit</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>31,126</b>	<b>11,445</b>	<b>19,681</b>	<b>630,071</b>			<b>401,171</b>	<b>SUFFICIENT</b>			

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	SpNS Capacity (spaces @ 60sf) (does not meet ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Bentley ES	1 Dining (1st Floor)	2190 Oregon Avenue	Sanford	32771	R	P, A	100	8,479		100	S-1435A-2003	DOH notes 1000KW Gen supports HVAC
Highlands ES	1 (1st floor)	1600 Shepard Road	Winter Springs	32708	R	P	100	8,479		100	S-1118A	DOH notes 1000KW Gen supports HVAC
Layer ES	Café	SR 419	Winter Springs	32708	R	P	100	7,500		100		DOH notes 1000KW Gen supports HVAC
	<b>SpNS Shelter Capacity In</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT / Deficit In Spaces</b>	<b>SpNS Shelter Capacity</b>			<b>SUFFICIENT T/Deficit</b>	<b>RESULT</b>				
<b>Storm Category 4/5</b>	<b>300</b>	<b>750</b>	<b>-450</b>	<b>18,000</b>			<b>-27,000</b>	<b>DEFICIT</b>				

2018 Statewide Emergency Shelter Plan

**SUMTER**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Agriculture Center	Cow Palace	7620 SR 471	Bushnell	33513		G, A	375	7,500			Provided by County
Bushnell Community Center		407 East Belt Avenue	Bushnell	33513		G	0	0			
Center Hill Community Center		74 South Virginia Avenue	Center Hill	33514		G		0			
Bushnell Elementary School		218 W Flannery	Bushnell	33513			0	0			
Lake Panasoffkee Elementary School		790 CR 482 North	Lk Panasoffkee	33538			0	0			
South Sumter Sr High School	36	7060 N Main St/SR 475	Bushnell	33513		G, A	0	0			
South Sumter Sr High School	44 Dining	7060 N Main St/SR 475	Bushnell	33513	N	G, A	336	6,717			2012 LRDM
South Sumter Middle School	23 & 24	733 NW 10th Avenue	Webster	33597			0	0			
VFW		CR 476B	Nobleton	34661			0	0			
Villages Middle School		450 Village Campus / CR 466	Villages	32162	N	G	200	4,000	200	L	
Villages High School		251 Buffalo Trail	The Villages	32162		G					
Webster Elementary School	14 A & B Cafeteria	349 South Market Blvd	Webster	33597	R	G	0	0		HMGP	Built section B=1995 (Questions on 54 ft. roof span) / section A=2005.
Wildwood Community Center	1	700 Huey Street	Wildwood	34785	N	G	166	2,490	477	S-1395B	circa 2002
Wildwood Elementary School	18 Cafeteria	300 East Huey Street	Wildwood	34785	R	G	178	3,059	178	HMGP	LRDM confirmed / per report 3,565 sf
Wildwood High School	4 Classroom	700 Huey Street	Wildwood	34785	N	G	31	620			2012 LRDM
Wildwood Middle School	15 Classroom	200 Cleveland Street	Wildwood	34785			0	0			

**TOTALS FOR SUMTER COUNTY**

1,286      24,386      855

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)		SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	1,286	9,786	-8,500	24,386		-171,334	DEFICIT			

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
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2018 Statewide Emergency Shelter Plan

**SUMTER**

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
Storm Category 4/5	0	32	-32	0			-1,920	DEFICIT			

2018 Statewide Emergency Shelter Plan

**SUWANNEE**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Branford Elementary School	1	26801 SR 247	Branford	32008	N	G	1,709	34,182	287		Whole school EHPA per school-capacity per classrms / Din / Hall
Branford High School		Governor's Street	Branford	32008			0	0	215		
Suwannee County Colesium	County Ext. Bldg.	1302 11th Street SW	Live Oak	32064		G	0	0	110		
Suwannee ES [0060]	1	1748 South Ohio Ave	Live Oak	32060	N	G	1,775	35,509	400		Whole school EHPA per school-capacity per classrms / Din / Hall
Suwannee High School (Suwannee Sr High) [0043]		1314 Pine Ave SW	Live Oak	32064		G	0	0	75		
Suwannee Middle School [0051]	12 ESE / Classroom	1730 Walker Street SW	Live Oak	32064		G	0	0	130		
Suwannee Primary School (Suw Elem East) [0011]	361 / 001	1625 Walker Ave SW	Live Oak	32064	R	G, P	0	0	180	L, S, F	
Suwannee-Hamilton Technical Center [0012]		415 Pinewood Dr SW	Live Oak	32064		G	0	0	60		

**TOTALS FOR SUWANNEE COUNTY**      3,484      69,691      1,457

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)		SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>3,484</b>	<b>3,872</b>	<b>-388</b>	<b>69,691</b>		<b>-7,749</b>	<b>DEFICIT</b>			

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Suwannee Intermediate School (Suw.ESWest) [0042]	Caf & Multi-Purp.	1419 Walker Ave. SW	Live Oak	32064	R	P	50	3,000	50		

	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)		SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>50</b>	<b>92</b>	<b>-42</b>	<b>3,000</b>		<b>-2,520</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**TAYLOR**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Taylor County ES	1 Admin	1600 East Green St	Perry	32347	R	G	250	5,000		S-1496-2010	
Taylor County ES	2 Media	1600 East Green St	Perry	32347	R	G	276	5,520		S-1496-2011	
Taylor County ES	3 Classroom	1600 East Green St	Perry	32347	N	G	0	0	796	L	needs fenestration protection
Taylor County ES	4 Classroom	1600 East Green St	Perry	32347	N	G	0	0	401	L	needs fenestration protection
Taylor County ES	5 Classroom	1600 East Green St	Perry	32347	N	G	0	0	438	L	needs fenestration protection
Taylor County ES	6 Classroom	1600 East Green St	Perry	32347	N	G	0	0	875	L	needs fenestration protection
Taylor County ES	7 - Cafetorium	1600 East Green St	Perry	32347	R	G	467	9,340		S-1496-2009	
Taylor County High School	A - Admin / Classroom	900 N Johnson-Stripping Rd	Perry	32347	N	G	2,530	50,600		S 12/13 2624	Completed 2015
Taylor County High School	B - Food Service	900 N Johnson-Stripping Rd	Perry	32347	N	G	268	5,360		S 12/13 2624	Completed 2015
Taylor County High School	C - Music	900 N Johnson-Stripping Rd	Perry	32347	R	G	209	4,180		S-1496-2009	Completed 2015
Taylor County High School	D - JROTC Classroom	900 N Johnson-Stripping Rd	Perry	32347	N	G	144	2,880		S 12/13 2624	Completed 2015
<b>TOTALS FOR TAYLOR COUNTY</b>							<b>4,144</b>	<b>82,880</b>	<b>2,511</b>		

	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)		SUFFICIENT/ Deficit (ft2)	RESULT		
<b>Storm Category 4/5</b>	<b>4,144</b>	<b>1,713</b>	<b>2,431</b>	<b>82,880</b>		<b>48,620</b>	<b>SUFFICIENT</b>		

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Uses Regional Shelter							0	0			
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT			
<b>Storm Category 4/5</b>	<b>0</b>	<b>63</b>	<b>-63</b>	<b>0</b>			<b>-3,780</b>	<b>DEFICIT</b>			

2018 Statewide Emergency Shelter Plan

**UNION**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Lake Bultler ES	20 Classroom	800 SW 6th St	Lake Butler	32054	R	G	144	2,880	144	S	FY 10/11 1617 Completed 2 / 2014
Lake Bultler ES	21 Classroom	800 SW 6th St	Lake Butler	32054	R	G	144	2,880	144	S	FY 10/11 1617 Completed 2 / 2014
Lake Bultler ES	22 Classroom	800 SW 6th St	Lake Butler	32054	R	G	144	2,880	144	S	FY 10/11 1617 Completed 2 / 2014
Lake Butler Agricultural Center	Whole Bldg	Hwy 231 South	Lake Butler	32054			0	0			
Lake Butler Middle School	3, 5, 6	120 SW 6th St	Lake Butler	32054	R	G	939	23,465	424	HMGP	funded
Lake Butler Middle School	8-Gym	801 S Lake Ave	Lake Butler	32054			0	0			
Lake Butler Middle School	10 CR (AKA 9)	801 S Lake Ave	Lake Butler	32054		G	163	3,260	0		2017-18 SRR project
Raiford Community Center		Hwy 121/16	Raiford	32054			0	0			
Union County High School	Quad :				N		0	0	0		2017-18 SRR project
Union County High School	20	1000 S Lake Ave	Lake Butler	32054	N		81	1,620	0	SR	2017-18 SRR project
Union County High School	21	1000 S Lake Ave	Lake Butler	32054	N	G	152	3,040	0	SR	2017-18 SRR project
Union County High School	22	1000 S Lake Ave	Lake Butler	32054	N	G	226	4,520	0	SR	2017-18 SRR project
Union County High School	23	850 S Lake Ave	Lake Butler	32054	N	G	186	3,720	200	SR	2017-18 SRR project
Union County High School	24-Gym / Physical Ed	150 SW 6th St	Lake Butler	32054	N	P	85	1,700		L, S	SpNS only
<b>TOTALS FOR UNION COUNTY</b>							<b>2,264</b>	<b>49,965</b>	<b>912</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT
	2,264	708	1,556	49,965	35,805	SUFFICIENT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Union County High School	24-Gym / Physical Ed	150 SW 6th Street	Lake Butler	32054	N	P	54	2,010	54		2017-18 SRR project
Lake Butler Middle School	10 CR (AKA 9)	801 S Lake Ave	Lake Butler	32054	R	P	77	4,620	0	SR	2017-18 SRR project

Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT
	131	43	88	7,860	5,280	SUFFICIENT

2018 Statewide Emergency Shelter Plan

**VOLUSIA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Allen Green Civic Center	Entire Center						600	12,000		600	EMPA	funded 600
Atlantic High School	1-Café	1250 Reed Canal Road	Port Orange	32129			0	0	0		L	unshuttered windows.
Atlantic High School	3-ESE Clinic	1250 Reed Canal Road	Port Orange	32129	R	P	0	0	0	0		SpNS See below,
Atlantic High School	8-Gym	1250 Reed Canal Road	Port Orange	32129			0	0			L	unshuttered windows.
Champion Elementary School (K-5)	5-café	921 Tournament Drive,	Daytona Beach	32124	N	G	163	4,083		150	L	EHPA per county, FISH Data
Freedom Elementray School	4	1395 South Blue Lake	DeLand	32724	N	P	0	0				SpNS See below,
Freedom Elementray School	2-café	1395 South Blue Lake	DeLand	32724	N	P	0	0			L	SpNS See below,
Friendship Elementary School	2 Classroom	2746 Fulford Street	Deltona	32725			409	6,871	255		L	
Friendship Elementary School	3 Classroom	2746 Fulford Street	Deltona	32725			0	0				
Friendship Elementary School	4-Dining	2746 Fulford Street	Deltona	32725	R	G	245	4,893		150	L	EHPA
Galaxy Middle School	2-Café	2400 Eustace Avenue	Deltona	32725	R	P	0	0		250	S-1118A	SpNS See below,
Galaxy Middle School	9-Gym	2400 Eustace Avenue	Deltona	32725			0	0				
Port Orange YMCA	4701-Day	4701 City Center Pkwy	Port Orange	32127	N	G	125	2,500	0	125	S-1395B	
Port Orange YMCA	4701-PE	4701 City Center Pkwy	Port Orange	32127	N	G	200	4,000	0	200	L & S	
Pride Elementary School	3 Cafeteria	1100 Learning Lane	Deltona	32738	N	G	170	4,245		150	L	
<b>TOTALS FOR VOLUSIA COUNTY</b>							<b>22,680</b>	<b>443,991</b>	<b>1,286</b>	<b>8,964</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT
Storm Category 4/5	22,680	39,238	-16,558	443,991	-340,769	DEFICIT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	SpNS Capacity (spaces @ 60sf) (does not meet ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Creekside Middle School	2-Café	6801 Airport Road	Port Orange	32171	N	P, A	104	6,220		185		Updated FISH Data,
Freedom Elementary School	2-café	1395 South Blue Lake	DeLand	32724	N	P, A	63	3,820		84		Updated FISH Data,
Freedom Elementary School	3 Classroom	1395 South Blue Lake	DeLand	32724	N	P, A	158	9,494				Updated FISH Data,
Freedom Elementary School	4 Classroom	1395 South Blue Lake	DeLand	32724	N	P, A	126	7,570				Updated FISH Data,
Galaxy Middle School	2 Café	2400 Eustace Avenue	Deltona	32725	N	P, A	110	6,608		166	S-1118A	Updated FISH Data,
Heritage Middle School	2 Café	1001 Parnell Court	Deltona	32725	R	P, A	107	6,449		176		Updated FISH Data,
Palm Terrace Elementary School	1 Entire	1825 Dunn Avenue	Daytona Beach	32124	R	P, A	715	42,915		176		

2018 Statewide Emergency Shelter Plan

**VOLUSIA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet -Friendly (A)	Total Risk Capacity In People <i>(Meets ARC 4496)</i>	Total Risk Capacity (ft <sup>2</sup> ) <i>(Meets ARC 4496)</i>	Risk Capacity In People <i>(Does not Meet ARC 4496 or Not Yet Surveyed)</i>	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)			SUFFICIENT/ Deficit (ft2)	RESULT				
Storm Category 4/5	1,383	363	1,020	82,980			61,200	SUFFICIENT				

2018 Statewide Emergency Shelter Plan

**WAKULLA**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Crawfordville ES	200 wing	379 Arron Road	Crawfordville	32327	N	G	400	6,711	400	L	2002 EHPA
Riversink Elementary School	1 Main	530 Lonnie Raker Lane	Crawfordville	32327	N	G	400	6,711	400	L	Built 2008 EHPA
Shadeville Elementary School		Shadeville Rd	Crawfordville	32327							
<b>TOTALS FOR WAKULLA COUNTY</b>							<b>800</b>	<b>13,422</b>	<b>800</b>		

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT
Storm Category 4/5	800	844	-210	13,422	-6,778	DEFICIT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	SpNS Capacity (spaces @ 60sf) (does not meet ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Uses Regional Shelter							0	0				
Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIEN T/ Deficit (ft2)	RESULT	0	DEFICIT			Regional Shelter	

2018 Statewide Emergency Shelter Plan

**WALTON**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Freeport HS	1-partial	12615 Hwy 331 South	Freeport	32439	N	G	1,310	28,819	2,630	L	per State Study
Freeport HS	1-partial	12615 Hwy 331 South	Freeport	32439	R	G	1,320	30,264		S-1588-2006	portion of Bldg updated FISH
OWCC / Chautauqua Neighborhood Center	2	908 US HWY 90 West	DeFuniak Springs	32433	R	G	401	8,020	401	S-1588-2005	
Mossy Head Elementary School	Wing 100-Admin	13270 Hwy 90 West	DeFuniak Springs	32433	N	G	52	1,041	52		Arc 4496 per state study
Mossy Head Elementary School	Wing 200-300	13271 Hwy 90 West	DeFuniak Springs	32434	N	G	708	15,966	708		EHPA per study
Mossy Head Elementary School	Wing 400	13272 Hwy 90 West	DeFuniak Springs	32435	N	G	296	5,911	296		Arc 4496 per state study
Mossy Head Elementary School	Wing 500	13273 Hwy 90 West	DeFuniak Springs	32436	N	G	337	6,733	337		Arc 4496 per state study
Mossy Head Elementary School	Wing 600	13274 Hwy 90 West	DeFuniak Springs	32437	N	G	91	1,829	91		Arc 4496 per state study
Paxton High School	100 Admin	Hwy 331	Paxton	32538	N	G	287	5,743	287		Arc 4496 per state study
Paxton High School	100 Auditorium	Hwy 331	Paxton	32538	N	G	199	3,972	199		Built 2005. Arc 4496 per state study
South Walton HS	all	645 Greenway Trail	Santa Rosa Bch	32459	R	G	0	0			
South Walton HS		645 Greenway Trail	Santa Rosa Bch	32459	R	G	953	19,052	1,751	S-1508-2005	per State Study
South Walton HS		645 Greenway Trail	Santa Rosa Bch	32459	N	G	1,507	30,126			per State Study
Walton High School	Auditorium	449 Walton Rd	DeFuniak Springs	32433	N	G	285	5,704	285		per reports
Walton High School	Gym	449 Walton Rd	DeFuniak Springs	32433	N	G	677	13,530	677		per reports
Walton High School	SW-SE Wing	449 Walton Rd	DeFuniak Springs	32433	N	G	626	12,513	626		per reports
Walton High School	Café-South Wing	449 Walton Rd	DeFuniak Springs	32433	N	G	156	3,120			per reports
Walton MS	900	625 Park Avenue	DeFuniak Springs	32435	R	P	0	0	92	S-1508-2005	

**TOTALS FOR WALTON COUNTY**

**9,205    192,343    8,432**

Storm Category 4/5	Shelter Capacity In People	Shelter Demand In People	SUFFICIENT/ Deficit In People	Shelter Capacity (ft2)	SUFFICIENT T/ Deficit (ft2)	RESULT
Storm Category 4/5	9,205	1,807	7,398	192,343	156,203	SUFFICIENT

**Special Needs Storm Shelters**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Walton MS	900	625 Park Avenue	DeFuniak Springs	32435		P	92	5,502	92		per State Study

Storm Category 4/5	SpNS Shelter Capacity In Spaces (meets ARC 4496)	SpNS Shelter Demand In Spaces	SUFFICIENT/ Deficit In Spaces	SpNS Shelter Capacity (ft2)	SUFFICIENT Deficit (ft2)	RESULT
Storm Category 4/5	92	150	-58	5,520	-3,480	DEFICIT



2018 Statewide Emergency Shelter Plan

**WASHINGTON**

Name	Bldg. #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet-Friendly (A)	Total Risk Capacity In People (Meets ARC 4496)	Total Risk Capacity (ft <sup>2</sup> ) (Meets ARC 4496)	Local Planned Usage (reported capacity)	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
ChIPLEY High School / Rouhlac Middle	5 Classroom	1535 Brickyard Road	ChIPLEY	32428	R	G	154	3,314	154	S-1523	Updated FISH Data
ChIPLEY High School / Rouhlac Middle	6 Classroom	1535 Brickyard Road	ChIPLEY	32428	R	G	453	10,956	453	S-1523	Updated FISH Data
ChIPLEY High School / Rouhlac Middle	7 Lab / Classroom	1535 Brickyard Road	ChIPLEY	32428	R	G	267	5,600	162	S-1523	Updated FISH Data
ChIPLEY High School / Rouhlac Middle	8 Dining	1535 Brickyard Road	ChIPLEY	32428	N	G	153	2,729	153		Updated FISH Data
ChIPLEY High School / Rouhlac Middle	2 Classroom	1535 Brickyard Road	ChIPLEY	32428	R	G	245	5,619	245	S-1523	Updated FISH Data
ChIPLEY High School / Rouhlac Middle	1 Administration	1535 Brickyard Road	ChIPLEY	32428	R	G	69	1,037	132	1588-2006	Updated FISH Data
ChIPLEY High School / Rouhlac Middle	3 A Science - Tech	1535 Brickyard Road	ChIPLEY	32428	R	G	251	5,025	438	1588-2006	Updated FISH Data
ChIPLEY High School / Rouhlac Middle	3 BScience - Tech	1535 Brickyard Road	ChIPLEY	32428	R	G	301	6,000	438	1588-2006	Updated FISH Data
Vernon High School	1 Administration	3232 Moss Hill Road	Vernon	32462	R	G	181	3,616		L	Built 2004 (per FISH). 2006 LRDM.
Vernon High School	2 Media	3232 Moss Hill Road	Vernon	32462	R	G	89	1,775		L	
Vernon High School	3 PE / ROTC	3232 Moss Hill Road	Vernon	32462	N	G	469	9,377		L	
Vernon High School	4 Dining	3232 Moss Hill Road	Vernon	32462	N	G	239	4,786		L	
Vernon High School	5 Classroom	3232 Moss Hill Road	Vernon	32462	R	G	300	5,996		L	
Vernon High School	6 ESE	3232 Moss Hill Road	Vernon	32462	N	G	166	3,323		L	
Vernon High School	7 Auditorium	3232 Moss Hill Road	Vernon	32462	R	G	136	2,711		L	
Vernon High School	8 Multipurpose	3232 Moss Hill Road	Vernon	32462	R	G	126	2,527		L	
Vernon Middle School	2 Music & Dining	3206 Moss Hill Road	Vernon	32462	R	G	208	3,147	208	S-1523	Built 1999 per 2003 LRDM.
Vernon Middle School	3 Gymnasium	3206 Moss Hill Road	Vernon	32462	R	G	405	7,053	405	S-1523	Built 1999 per 2003 LRDM.
Vernon Middle School	4 Classroom	3206 Moss Hill Road	Vernon	32462	R	G	301	7,299	301	S-1523	Built 1999 per 2003 LRDM.
Vernon Middle School	5 Classroom	3206 Moss Hill Road	Vernon	32462	R	G	280	5,844	280	S-1523	Built 1999 per 2003 LRDM.
Washington County Ag Center		800 W Washington Ave	ChIPLEY	32428			0	0			Unknown construction date
<b>TOTALS FOR WASHINGTON COUNTY</b>							<b>4793</b>	<b>97,734</b>	<b>3,369</b>		
	<b>Shelter Capacity In People</b>	<b>Shelter Demand In People</b>	<b>SUFFICIENT/ Deficit In People</b>	<b>Shelter Capacity (ft<sup>2</sup>)</b>			<b>SUFFICIENT/ Deficit (ft<sup>2</sup>)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>4,793</b>	<b>1,530</b>	<b>3,106</b>	<b>97,734</b>			<b>67,134</b>	<b>SUFFICIENT</b>			
<b>Special Needs Storm Shelters</b>											

2018 Statewide Emergency Shelter Plan

**WASHINGTON**

Name	Bldg #	Address	City	Zip	Retrofitted (R), New Construction (N)	General (G), PSN (P), Pet- Friendly (A)	SpNS Capacity (spaces @ 60sf) (meets ARC 4496)	SpNs Capacity (sf) (meets ARC 4496)	Local Planned Usage	Funding Source: Local (L), State (S), Federal (F), and Program Name	Comments
Roulhac MS	12 (5th Grade Wing)	1535 Brickyard Rd	Chipley	32428		P	172	10,330		EHPA	Built 1998 per 2006 LRDM.
	<b>SpNS Shelter Capacity In Spaces (meets ARC 4496)</b>	<b>SpNS Shelter Demand In Spaces</b>	<b>SUFFICIENT/ Deficit In Spaces</b>	<b>SpNS Shelter Capacity (ft2)</b>			<b>SUFFICIENT/ Deficit (ft2)</b>	<b>RESULT</b>			
<b>Storm Category 4/5</b>	<b>172</b>	<b>166</b>	<b>6</b>	<b>10,320</b>			<b>360</b>	<b>SUFFICIENT</b>			

## **Appendix B**

*2017 Florida Building Code—Building, 6<sup>th</sup> Edition*  
Section 453.25 Public Shelter Design Criteria

**2017 Florida Building Code—Building, 6<sup>th</sup> Edition**

**453.25.1 New facilities.** New educational facilities for school boards and Florida college boards, unless specifically exempted by the board with the written concurrence of the applicable local emergency management agency or the Florida Division of Emergency Management (DEM) shall have appropriate areas designed as enhanced hurricane protection areas (EHPAs) in compliance with this section.

**Exception:** Facilities located, or proposed to be located, in a Category A, B or C evacuation zone shall not be subject to these requirements.

**453.25.1.1 Enhanced hurricane protection areas (EHPA).** The EHPA areas shall provide emergency shelter and protection for people for a period of up to 8 hours during a hurricane.

**453.25.1.1.1** The EHPA criteria apply only to the specific portions of (K-12) and Florida college educational facilities that are designated as EHPAs.

**453.25.1.2** The EHPAs and related spaces shall serve the primary educational or auxiliary use during non-shelter occupancy.

**453.25.2 Site.** Factors such as low evacuation demand, size, location, accessibility and storm surge may be considered by the board, with written concurrence of the local emergency management agency or the DEM, in exempting a particular facility.

**453.25.2.1 Emergency access.** EHPAs shall have at least one route for emergency vehicle access. The emergency route shall be above the 100-year floodplain. This requirement may be waived by the board, with concurrence of the local emergency management agency or the DEM.

**453.25.2.2 Landscaping.** Landscaping around the EHPAs shall be designed to preserve safety and emergency access. Trees shall not conflict with the functioning of overhead or underground utility lines, or cause laydown or impact hazard to the building envelope.

**453.25.2.3 Parking.** During an emergency condition, vehicle parking shall be prohibited within 50 feet (15,240 mm) of an EHPA. Designated EHPA parking areas may be unpaved.

**453.25.2.4 Signage.** Floor plans of the facility, indicating EHPAs, shall be mounted in the emergency manager's office/area.

**453.25.3 Design.** EHPAs may be above or below ground and may have more than one story, provided the design satisfies the wind load and missile impact criteria. Modular and open-plan buildings may serve as EHPAs provided the design satisfies the wind load and missile impact criteria.

**453.25.3.1 Excluded spaces.** Spaces such as mechanical and electrical rooms, storage rooms, open corridors, kitchens, science rooms and labs, vocational shop areas and labs, computer rooms, attic and crawl spaces shall not be used as EHPAs.

**453.25.3.2 Capacity.** Fifty percent of the net square feet of a designated educational facility shall be constructed as EHPAs. The net square feet shall be determined by subtracting from the gross square feet those spaces, such as mechanical and electrical rooms, storage rooms, open corridors, kitchens, science rooms and labs, vocational shop areas and labs, computer rooms, attic and crawl spaces that shall not be used as EHPAs. The board, with concurrence of the applicable local emergency management agency or DEM, may adjust this requirement if it is determined to be in its best interest. The capacity of an EHPA shall be calculated at 20 square feet (1.86 m<sup>2</sup>) per occupant (adults and children five years or older).

**453.25.3.3 Toilets.** Toilet and hand washing facilities should be located within the EHPAs and provided at one toilet and one sink per 40 occupants. These required toilet and hand-washing facilities are not in addition to those required for normal school occupancy and shall be included in the overall facility fixture count.

**453.25.3.3.1** Support systems for the toilets, e.g., bladders, portable toilets, water storage tanks, etc., shall be capable of supplying water and containing waste, for the designed capacity of the EHPAs.

**453.25.3.3.2** Plumbing and valve systems of "normal" toilets within the EHPAs may be designed for conversion to emergency operation to meet the required demand.

**453.25.3.4 Food service.** Where feasible, include counter tops for food distribution functions in the EHPAs.

**453.25.3.5 Manager's office.** An administration office normally used by a school administrator shall be identified as the EHPA manager's office and shall be located within the EHPA. The office shall have provisions for standby power, lighting, communications, main fire alarm control panel and storage for the manager's equipment.

**453.25.4 Structural standard for wind loads.** At a minimum, EHPAs shall be designed for hurricane wind loads in accordance with ICC 500.

**453.25.4.1 Enclosure Classifications.** Enclosure classifications for EHPAs shall be determined in accordance with ASCE 7-10, Section 26.2.

**453.25.4.2 Mechanical Ventilation.** EHPAs shall have mechanical ventilation systems. Ventilation shall be provided at a minimum rate of 2 cfm per square foot (0.6 m<sup>3</sup>/min. per square meter) of EHPA floor area. The mechanical ventilation system shall be connected to the EHPA's emergency power.

**453.25.4.3 Exterior envelope.** The exterior envelope, louvers over air intakes and vents, and gooseneck type intakes and vents of EHPAs shall be designed and installed to meet the wind load and missile impact criteria.

**453.25.4.3.1** HVAC equipment mounted on roofs and anchoring systems shall be designed and installed to meet the wind load criteria.

**453.25.4.3.2** Roof mounted HVAC equipment shall have a 12-inch-high (305 mm) curb around the roof opening and be designed to prevent the entry of rain water.

**Exception:** Exposed mechanical equipment and appliances fastened to a roof or installed on the ground in compliance with the code using rated stands, platforms, curbs, slabs, walls, or other means are deemed to comply with the wind-resistance requirements of the *2007 Florida Building Code*, as amended. Further support or enclosure of such mechanical equipment or appliances is not required by a state or local official having authority to enforce the *Florida Building Code*.

**453.25.5 Electrical and standby emergency power system.** The EHPA shall be provided with a standby emergency electrical power system, per Chapter 27, NFPA 70 Articles 700 and 701, which shall have the capability of being connected to a backup generator or other optional power source. Where economically feasible, an equivalent photovoltaic system may be provided. The EHPA's emergency systems includes, but are not limited to: (1) an emergency lighting system, (2) illuminated exit signs, (3) fire protection system(s), alarm (campus wide) and sprinkler, and (4) minimum ventilation for health/safety purposes. The fire alarm panel shall be located in the EHPA manager's office. A remote annunciator panel shall be located in or adjacent to the school administrator's office. When generators are installed, the facility housing the generator, permanent or portable, shall be an enclosed area designed to protect the generators from wind and missile impact. Air intakes and exhausts shall be designed and installed to meet the wind load and missile impact criteria. Generators hardened by the manufacturer to withstand the area's design wind and missile impact criteria shall be exempt from the enclosed area criteria requirement.

**453.25.5.1 EHPA lighting.** Emergency lighting shall be provided within the EHPA area, EHPA manager's office, toilet rooms, main electrical room and generator spaces and shall be at least 10 footcandles (100 lux) of general illumination, which can be reduced to ½ footcandle (5 lux) in the sleeping areas during the night.

**453.25.5.2 Optional standby circuits.** Additional nonlife safety systems, as defined by Chapter 27, NFPA 70 Article 702 (optional standby circuits), may be supplied power, if available, by the standby emergency power system. These systems shall be connected to the Standby Emergency Power System via an electrical subpanel to the Standby Electrical Power System's main electrical panel. This will allow selective or total load shedding of power if required. The fire alarm, emergency lighting and illuminated exit signs throughout the entire campus shall receive first priority to power provided by the Standby Emergency Power System per Chapter 27, NFPA 70 Article 700. The systems listed are not all encompassing but are in order of priority. Local officials may request additional non-life safety systems they deem necessary for health, welfare and safety of the public during occupancy:

1. Remainder of the school's campus security lighting (building and site).
2. Additional ventilation systems within the EHPA, including heat.
3. Intercom system.
4. Food storage equipment.
5. Additional electric receptacles, other than those required by Section 453.25.5.3.

**453.25.5.3 Receptacle outlets.** A minimum of four electrical outlets, served with power from the standby circuits, shall be provided in the EHPA manager's office.

**453.25.6 Inspections.** EHPAs shall be considered "threshold buildings" in accordance with Section 553.71(11), *Florida Statutes*, and shall comply with Sections 553.79(5), 553.79(7), and 553.79(8), *Florida Statutes*.

**453.25.6.1** Construction of EHPAs shall be inspected during the construction process by certified building code inspectors or the design architect/engineer(s) certified pursuant to Part XII Chapter 468, *Florida Statutes* and threshold inspectors for compliance with applicable rules and laws.

**453.25.6.2** The emergency electrical systems shall be inspected during the construction process by certified electrical inspector or Florida-registered professional engineers certified pursuant to Part XII Chapter 468, *Florida Statutes*, skilled in electrical design.

**453.25.6.3** EHPAs shall be inspected and recertified for compliance with the structural requirements of this section every five years by a Florida-registered professional engineer skilled in structural design. If any structural system, as specified in this section, is damaged or replaced, the recertification shall be obtained prior to the beginning of the next hurricane season.

**453.25.6.4** All shutter systems, roofs, overflow scuppers, and structural systems of EHPAs shall be inspected and maintained annually prior to hurricane season and after a major event. All emergency generators shall be inspected under load conditions including activation of the fire alarms, emergency lights as per applicable equipment codes and NFPA standards, and including mechanical systems and receptacles connected to the emergency power.

## **Appendix C**

American Red Cross

*Standards for Hurricane Evacuation Shelter Selection (ARC 4496)*





*Standards  
for  
Hurricane  
Evacuation  
Shelter  
Selection*



*Together, we can save a life*

An interagency group comprised of the Federal Emergency Management Agency, the U.S. Army Corps of Engineers, the Environmental Protection Agency and Clemson University, has developed hurricane evacuation shelter selection standards. These standards reflect the application of technical data compiled in hurricane evacuation studies, other hazard information, and research findings related to wind loads and structural problems. These standards are supplemental to information contained in ARC 3041, *Mass Care: Preparedness and Operations* concerning shelter selection.

Planning considerations for hurricane evacuation shelters involve a number of factors and require close coordination with local officials responsible for public safety. Technical information contained in Hurricane Evacuation Studies, storm surge and flood mapping, and other data can now be used to make informed decisions about the suitability of shelters.

In the experience of the American Red Cross, the majority of people evacuating because of a hurricane threat generally provide for themselves or stay with friends and relatives. However, for those who do seek public shelter, safety from the hazards associated with hurricanes must be assured. These hazards include—

- Surge inundation.
- Rainfall flooding.
- High winds.
- Hazardous materials.

**The following standards address the risks associated with each of these hurricane-associated hazards.**

### **Surge Inundation**

In general, hurricane evacuation shelters should not be located in areas vulnerable to hurricane surge inundation. The National Weather Service has developed mathematical models, such as Sea, Lake, and Overland Surges from Hurricanes (SLOSH) and Special Program to List Amplitudes of Surges from Hurricanes (SPLASH), that are critical in determining the potential level of surge inundation in a given area.

- Carefully review inundation maps in order to locate all hurricane evacuation shelters outside of Category 4 storm surge inundation zones.
- Avoid buildings subject to isolation by surge inundation in favor of equally suitable buildings not subject to isolation. Confirm that ground elevations for all potential shelter facilities and access routes obtained from topographic maps are accurate.
- Do not locate hurricane evacuation shelters on barrier islands.

### **Rainfall Flooding**

Rainfall flooding must be considered in the hurricane evacuation shelter selection process. Riverine inundation areas shown on Flood Insurance Rate Maps (FIRMs), as prepared by the National Flood Insurance Program, should be reviewed. FIRMs should also be reviewed in locating shelters in inland counties.

- Locate hurricane evacuation shelters outside the 100-year floodplain.
- Avoid selecting hurricane evacuation shelters located within the 500-year floodplain.
- Avoid selecting hurricane evacuation shelters in areas likely to be isolated due to riverine inundation of roadways.
- Make sure a hurricane evacuation shelter's first floor elevation is on an equal or higher elevation than that of the base flood elevation level for the FIRM area.
- Consider the proximity of shelters to any dams and reservoirs to assess flow upon failure of containment following hurricane-related flooding.



## High Winds

Consideration of any facility for use as a hurricane evacuation shelter must take into account wind hazards. Both design and construction problems may preclude a facility from being used as a shelter. Local building codes are frequently inadequate for higher wind speeds.

- If possible, select buildings that a structural engineer has certified as being capable of withstanding wind loads according to ASCE (**American Society of Engineers**) 7-98 or ANSI (**American National Standards Institute**) A58 (1982) structural design criteria. Buildings must be in compliance with all local building and fire codes.
- Failing a certification (see above), request a structural engineer to rank the proposed hurricane evacuation shelters based on his or her knowledge and the criteria contained in these guidelines.
- Avoid uncertified buildings of the following types:
  - Buildings with long or open roof spans longer than 40 feet.
  - Unreinforced masonry buildings.
  - Pre-engineered (steel pre-fabricated) buildings built before the mid-1980s.
  - Buildings that will be exposed to the full force of hurricane winds.
  - Buildings with flat roofs or built with lightweight materials.
- Give preference to the following:
  - Buildings with 10°-30° pitched, hipped roofs; or with heavy concrete roofs.
  - Buildings no more than 60 feet high.
  - Buildings in sheltered areas (protected from strong winds).
  - Buildings whose access routes are not tree-lined.

## Hazardous Materials

The possible impact from a spill or release of hazardous materials should be taken into account when considering any potential hurricane evacuation shelter.

All facilities manufacturing, using, or storing hazardous materials (in reportable quantities) are required to submit *Material Safety Data Sheets* (emergency and hazardous chemical inventory forms) to the Local Emergency Planning Committee (LEPC) and the local fire department. These sources can help you determine the suitability of a potential hurricane evacuation shelter or determine precautionary zones (safe distances) for facilities near potential shelters that manufacture, use or store hazardous materials.

- Facilities that store certain reportable types or quantities of hazardous materials may be inappropriate for use as hurricane evacuation shelters.
- Hurricane evacuation shelters should not be located within the ten-mile emergency planning zone (EPZ) of a nuclear power plant.
- Chapters must work with local emergency management officials to determine if hazardous materials present a concern for potential hurricane evacuation shelters.

## Interior Building Safety Criteria During Hurricane Conditions

Based on storm data (e.g., arrival of gale-force winds), determine a notification procedure with local emergency managers regarding when to move the shelter population to pre-determined safer areas within the facility. Consider the following:

- Do not use rooms attached to, or immediately adjacent to, unreinforced masonry walls or buildings.
- Do not use gymnasiums, auditoriums, or other large open areas with long roof spans (longer than 40 feet) during hurricane conditions.
- Avoid areas near glass unless an adequate shutter protects the glass surface. Assume that windows and the roof will be damaged and plan accordingly.
- Use interior corridors or rooms.
- In multi-story buildings, use only the lower floors (no higher than 60 feet) and avoid corner rooms.
- Avoid any wall section that has portable or modular classrooms in close proximity, if these are used in your community.
- Avoid basements if there is any chance of flooding.



## Least-Risk Decision Making

Safety is the primary consideration for the American Red Cross in selecting hurricane evacuation shelters. When anticipated demands for hurricane evacuation shelter spaces exceed existing capacity as defined by the preceding standards, there may be a need to utilize less preferred facilities. It is critical that shelter selection decisions be made carefully and in consultation with local emergency management and public safety officials. This process should include the following considerations:

- No hurricane evacuation shelter should be located in an evacuation zone for obvious safety reasons. All hurricane evacuation shelters should be located outside of Category 4 storm surge inundation zones. Certain exceptions may be necessary, but only if there is a high degree of confidence that the level of wind, rain, and surge activities will not surpass established shelter safety margins.
- When a potential hurricane evacuation shelter is located in a flood zone, it is important to consider its viability. By comparing elevations of sites with FIRMs, one can determine if the shelter and a major means of egress are in any danger of flooding. Zone AH (within the 100-year flood plain and puddling of 1-3 feet expected) necessitates a closer look at the use of a particular facility as a sheltering location. Zones B, C, and D may allow some flexibility. It is essential that elevations be carefully checked to avoid unnecessary problems.
- In the absence of certification or review by a structural engineer, any building selected for use as a hurricane evacuation shelter must be in compliance with all local building and fire codes. Certain exceptions may be necessary, but only after evaluation of each facility, using the aforementioned building safety criteria.
- The Red Cross uses the planning guideline of 40-square feet of space per shelter resident. During hurricane conditions, on a short-term basis, shelter space requirements may be reduced. Ideally, this requirement should be determined using no less than 15 square feet per person. Adequate space must be set aside for registration, health services, and safety and fire considerations. Disaster Health Services areas should still be planned using a 40-square feet per person calculation. On a long-term recovery basis, shelter space requirements should follow guidelines established in ARC 3041, *Mass Care: Preparedness and Operations*.

## Hurricane Evacuation Shelter Selection Process

General procedures for investigating the suitability of a building or facility for use as a hurricane evacuation shelter are as follows:

- Identify viable sites. Evacuation and transportation route models must be considered.
- Complete a risk assessment on each viable site. Gather all pertinent data from SLOSH and/or SPLASH (storm surge), FIRM (flood hazard) models; determine the facility base elevation; and obtain hazardous materials information and previous studies concerning each building's suitability.
- Have a structural engineer evaluate the facility and rate its ability to withstand wind loads according to ASCE 7-98 or ANSI A58 (1982) structural design criteria.
- Inspect the facility and complete a *Red Cross Facility Survey* (ARC Form 6564) and a *Self-Inspection Work Sheet/Off Premises Liability Checklist*, in accordance with ARC 3041. Note all potential liabilities and the type of construction. Consider the facility as a whole. One weak section may seriously jeopardize the integrity of the building.

## Increasing Shelter Inventory

An annual review of all approved hurricane evacuation shelters is required. Facility improvements, additions, or deterioration may change the suitability of a selected facility as a hurricane evacuation shelter. Facility enhancements may also enable previously unacceptable facilities to be used as hurricane evacuation shelters.

Work with officials, facility managers, and school districts on mitigation opportunities. Continue to advocate that the building program for new public buildings, such as schools, should include provisions to make them more resilient to possible wind damage. Suggest minor modifications of municipal, community, or school buildings, such as the addition of hurricane shutters, while buildings are being planned. Such modifications will make them useful as hurricane evacuation shelters.

Finally, add any new shelters to chapter shelter system and disaster response plans. Share shelter information with local emergency planning partners and the state lead chapter for Disaster Services for inclusion in state disaster response plans.

ARC 4496  
Rev. January 2002

## **Appendix D**

### Abbreviations

## Abbreviations

**ADA** – American Disabilities Act

**AMSL** – Above Mean Sea Level

**ANSI** – American National Standards Institute

**ARC** – American Red Cross

**ARC 3041** – ARC publication *Mass Care - Preparedness and Operations*

**ARC 4496** – ARC publication *Standards for Hurricane Evacuation Shelter Selection*

**ASCE** – American Society of Civil Engineers

**ASCE 7** – ASCE publication *Minimum Design Loads for Buildings and Other Structures*

**ASCE 24** – ASCE publication *Flood Resistant Design and Construction*

**ASTM** – American Society for Testing and Materials

**ASTM E 1886 and E 1996** – ASTM standards for windborne debris impact

**BEBR** – Bureau of Economic and Business Research (University of Florida)

**BFE** – Base Flood Elevation

**DFE** – Design Flood Elevation

**DOE** – Department of Energy (U.S.)

**DOE-STD-1020** – U.S. Department of Energy publication – *Natural Phenomena Hazards Design and Evaluation Criteria*

**EHPA** – Enhanced Hurricane Protection Area

**FBC** – Florida Building Code

**FEMA** – Federal Emergency Management Agency

**FISH** – Florida Inventory of School Houses

**FIRM** – Flood Insurance Rate Map

**FNSS** – Functional Needs Support Services

**Abbreviations (Continued)**

**F.S.** – Florida Statutes

**GP** – General Population (shelter)

**HMGP** – Hazard Mitigation Grant Program

**IBC** – International Building Code

**ICF** – Insulated Concrete Form

**ICC** – International Code Council

**ICC-500** – ICC/NSSA Standard for the Design and Construction of Storm Shelters

**K-12 (school)** – Kindergarten to High School Grade 12

**LEPC** – Local Emergency Planning Committee

**LiDAR** – Light Detection and Ranging

**MPH** – Miles Per Hour

**MWFRS** – Main Wind Force Resisting System

**NHC** – National Hurricane Center

**NWS** – National Weather Service

**PECO** – Public Education Capital Outlay (and Debt Service Trust Fund)

**PSN** – Persons with Special Needs

**RPC** – Regional Planning Council

**SLOSH** – Sea, Lake, and Overland Surges from Hurricanes

**SpNS** – Special Needs Shelter

**Sq.Ft.** – Square Feet (area quantity dimension)

**SREF** – State Requirements for Educational Facilities

**SRES** – Statewide Regional Evacuation Study

**Abbreviations (Continued)**

**SSTD 12** – Southern Building Code Congress International - Standard 12 - *Test Standards for Determining Resistance From Windborne Debris*

**TAS** – Testing Application Standard

**UF** – Usability Factor (or Use Factor)



## **Appendix E**

### Glossary

## Glossary

**Approve:** Acceptable to the authority having jurisdiction. Also, Approved.

**As-Is:** Current or existing condition.

**Access and Functional Needs Population(s):** Groups whose needs may not be fully addressed by traditional service providers. This includes groups that may feel they cannot comfortably or safely access and use the standard resources offered in disaster preparedness, response, and recovery. This includes, but is not limited to: those who have a physical and/or mental disability (blind, cognitive disorders, mobility limitations, deaf and/or hard of hearing, etc); Limited or non-English speaking; medically or chemically dependent; geographically and/or culturally isolated; Frail elderly, and children.

**Accessibility:** A site, building, facility, or portion thereof that complies with the *Americans with Disabilities Act Accessibility Guidelines for Building and Facilities (Code of Federal Regulations 28 CFR Part 36)* and/or the *Florida Building Code—Building, Chapter 11* (reference: *Florida Building Code--Accessibility*). Also, Accessible.

**Barrier Island (Coastal):** Geological features which lie above the line of mean high water and are completely surrounded by open marine waters that front upon the Gulf of Mexico, Atlantic Ocean, Florida Bay or Straits of Florida; reference Section 161.54(2), Florida Statutes.

**Board:** Unless otherwise specified, means a district school board, a college board of trustees, or a university board of trustees.

**Building Enclosure:** Exterior cladding, wall, window, louver and door assemblies, roof deck and skylight assemblies, and other components that enclose a building and serve as a barrier between exterior and interior environments. Also, Building Envelope.

**Certify:** Statement in writing by a duly licensed professional attesting to compliance with a standard. Also, Certification.

**Core Area (or Protected Area):** Portion(s) of a facility or building enclosed within one or more walls, partitions, ceilings, roofs, assemblies, screens, barriers or baffling that when surveyed and ranked as a unit can provide improved protection of occupants from identified hazard(s) and associated risk(s) when compared to the surrounding host or adjacent structure(s).

**Critical Support Systems:** Structures, systems and components required to ensure the health, safety and well-being of occupants. Critical support systems include, but not limited to, life-safety systems, potable and waste water systems, electrical power systems and heating, ventilation and air-conditioning (HVAC) systems.

**Glossary (continued)**

**Educational Facilities:** Means the buildings and equipment, structures, and special educational use areas that are built, installed, or established to serve primarily the educational purposes and secondarily the social and recreational purposes of the community and which may lawfully be used as authorized by Florida Statutes and approved by boards.

**Enhanced Hurricane Protection Area:** A new educational facility, or portion thereof, designed, constructed, inspected and maintained in accordance with the Public Shelter Design Criteria, Section 453.25, *Florida Building Code—Building*.

**Essential Facility:** Buildings and other structures that are categorized as Risk Category IV in Table 1.5-1 of ASCE Standard 7-10, *Minimum Design Loads for Buildings and Other Structures*; buildings and other structures that are intended to remain operational in the event of an extreme environmental loading condition (e.g., flood and high wind).

**Evacuation Shelter:** A safe congregate care facility that provides services and is utilized for populations displaced by an emergency or disaster incident. An evacuation shelter may be located either inside (risk shelter) or outside (host shelter) of the disaster impact area and are typically operational for a period to not normally exceed 72 hours. Typically, these capacities are determined based on 20 square feet per person.

**Risk Shelter:** Facilities designated as risk shelters may be located within the hazard risk zone (i.e., lie in the forecast path and associated error cone of an approaching hurricane or severe storm). Construction of these facilities meets established minimum safety requirements considered for least-risk decision making for the community.

**Host Shelter:** A facility that is safe and provides services, and is located outside of a hazard risk zone.

**Evacuation Zone (Hurricane):** Area(s) designated by a jurisdiction's emergency management agency requiring evacuation from particular hurricane scenarios to protect populations vulnerable to storm surge inundation. Evacuation zones are developed taking into consideration all populated areas having a risk of storm surge inundation, and areas not subject to inundation but may be isolated as a result.

**Excluded Space:** Spaces such as mechanical, electrical and telecommunication equipment rooms, storage rooms, exterior/outside circulation and open corridors, restrooms and shower areas, kitchen and food preparation rooms, science rooms and labs, computer and information technology labs, vocational and industrial technology shops and labs, library and media rooms and labs, administrative office and support areas, record vaults, attics and crawl spaces.

Reference Section 453.25.3.1, *Florida Building Code—Building*.

**Glossary (continued)**

**Functional Needs Support Services:** Services that enable children and adults to maintain their usual level of independence in a general population shelter. FNSS includes reasonable modification of policies, practices and procedures, durable medical equipment, consumable medical supplies, personal assistance services and other goods and services as needed. Children and adults requiring FNSS may have physical, sensory, mental health, cognitive and/or intellectual disabilities affecting their ability to function independently without assistance. Reference Section 3.1, *Guidance on Integration of Functional Needs Support Services in General Population Shelters*, FEMA, 2010.

**General Population Shelter:** Location(s) that are, in whole or in part, to provide shelter and services to persons who have no other option for sheltering. These shelters provide basics such as food, water and basic first aid. Persons evacuating to a pet friendly shelter should bring their own supplies such as pet food, pet cages/carriers, blankets, toiletries/hygiene items, medications and clothing. To the extent possible, back-up generator power may be made available.

**Guideline:** Criterion or procedure established to assist in determining a course of action, but not necessarily required or enforceable by law. A framework that can assist in decision making.

**Included Space:** All rooms and areas not included in the definition of excluded space.

**Long Span (Roof):** See Open Span.

**Marginal:** Lower end of suitability; less than preferred.

**Mass-Care:** Emergency provision of life sustaining services to ensure the health, safety and well-being of a congregate population, to include shelter, food and water, sanitation, first aid, security, etc.

**Mega-Shelter:** An arena, stadium, convention center or similar very high-occupancy facility that is used to shelter an exceptionally large population of evacuees from a major disaster. Mega-shelters are often designed, planned or designated to accommodate more than 5,000 evacuees in dormitory area(s) at the same time. A mega-shelter may be used at any time in the emergency cycle (evacuation, response and recovery) and may be located inside or outside of the disaster impact area.

**Mitigation:** Actions taken to prevent or reduce the risk to life, property, social, economic activities, and natural resources from natural or technological hazards.

**Glossary (continued)**

**Net Usable Floor Area:** The floor area of included spaces reduced to account for partitions and walls, columns, fixed or movable objects, furniture, appliances, equipment or other features that under probable conditions cannot be removed during use as a shelter.

**New Construction:** Means any construction of a building or unit of a building in which the entire work is new. An addition connected to an existing building which adds additional square footage to the space inventory is considered new construction. See S.453.5.8, *Florida Building Code--Building*.

**Occupancy:** The purpose for which a building or other structure, or part thereof, is used or intended to be used.

**Occupant Support Areas:** Areas required to ensure the health, safety and well-being of occupants. Occupant support areas may include, but not limited to, shelter management, food preparation, water and food storage, electrical and mechanical rooms, toilet and other sanitation rooms, and first-aid stations.

**On-site:** Means located either inside, immediately adjacent to, or on the same contiguous property grounds of a facility, building or place and under the control of the owner or lawful tenant.

**Open Span (Roof):** An area in a structure where the clear distance between load bearing or supporting elements (e.g., walls, beams, columns, etc.) in the shortest direction is 40 feet or more.

**Person(s) with Special Needs:** Someone who during periods of evacuation or emergency require sheltering assistance due to physical impairment, mental impairment, cognitive impairment, or sensory disabilities. See Rule 64-3.010(1), Florida Administrative Code.

**Pet Friendly Shelter:** Location(s) that are, in whole or in part, to provide shelter and services to persons with companion animals (pets) who have no other option for sheltering. These shelters may allow caregivers to remain with pets. These shelters provide basics such as food, water and basic first aid. Persons evacuating to a pet friendly shelter should bring their own supplies such as pet food, pet cages/carriers, blankets, toiletries/hygiene items, medications and clothing.

**Qualitative:** Assessment based upon empirical methods and observed qualities and characteristics.

**Recognize:** Acceptance or acknowledgement of validity based upon observations, facts, documents and certifications available at the time of survey. Also, recognition.

**Glossary (continued)**

**Recovery Shelter:** A safe congregate care facility that provides services and is utilized for populations displaced by an emergency or disaster incident. Typically, these capacities are determined based on 40 square feet per person. May also be known in some documents as a Standard Shelter.

**Short-Term Shelter:** A safe congregate care facility that provides services and is utilized for a period not to normally exceed two (2) weeks for populations displaced by an emergency or disaster incident.

**Long-Term Shelter:** A safe congregate care facility that provides services and is utilized for durations typically longer than two (2) weeks for populations displaced by an emergency or disaster incident.

**Reduction Factor:** Factors used to reduce the net floor area in order to accommodate presence of exterior and interior walls, furnishings, equipment, walkways, etc., resulting in the net usable floor area.

**Remodeling:** Means the changing of existing facilities by rearrangement of spaces and their use and includes, but is not limited to, the conversion of two classrooms to a science laboratory or the conversion of a closed plan arrangement to an open plan configuration.

**Renovation:** Means the rejuvenating or upgrading of existing facilities by installation or replacement of materials and equipment and includes, but is not limited to, interior or exterior reconditioning of facilities and spaces; air-conditioning, heating, or ventilating equipment; fire alarm systems; emergency lighting; electrical systems; and complete roofing or roof replacement, including replacement of membrane or structure.

**Retrofit:** Modifications performed upon an existing structure or infrastructure with the goal of significantly reducing or eliminating potential damage due to a specific hazard.

**Safe:** Affording protection that at a minimum is consistent with the intent of American Red Cross publication *Standards for Hurricane Evacuation Shelter Selection* (ARC 4496). Also, Safer and Safest.

**Saffir-Simpson Hurricane Scale:** The current prevalent system of classifying hurricane intensity in the Atlantic, Caribbean and East Pacific oceans. Hurricanes are categorized on a scale of 1 (minimum) to 5 (extreme) based on wind velocity and provides examples of types of damage and impacts in the United States associated with winds of the indicated intensity.

**Glossary (continued)**

**Shelter:** A designated place, building or facility of relative safety that temporarily provides services with the goal of preserving life and reducing human suffering.

**Shelter Envelope:** Vertical and horizontal materials and assemblies that enclose a shelter area and serve as protective barriers from hurricane wind and debris hazards. The shelter envelope includes roof coverings, roof assembly, roof top vent & equipment penetrations for assemblies, exterior walls, door and window assemblies, glazing, skylight assemblies, louvers and where applicable floor and interior wall assemblies that separate the shelter from unprotected areas of a host building.

**Shutters:** Permanent or temporary closures or shields and assemblies that serve as a structural barrier to resist wind induced loads that act on their surface(s), to include aerodynamic and wind-borne debris impact loads.

**Sea, Lake and Overland Surges from Hurricanes (SLOSH):** A computerized numerical model developed by the National Weather Service to estimate storm surge heights resulting from historical, hypothetical or predicted hurricanes by taking into account atmospheric pressure, size, forward speed and track data. These parameters are used to create a model of the wind field which drives the storm surge.

**Site:** The spatial location of existing or planned facility(s), ancillary structures and utilities, improvements and surrounding environment. A space of ground occupied or to be occupied by a facility or program

**Special Needs Client(s):** See Person(s) with Special Needs.

**Special/Medical Needs Shelter (SpNS):** Location(s) that are, in whole or in part, designated under Chapter 252 and Section 381.0303, Florida Statutes, to provide shelter and services to persons with special needs who have no other option for sheltering. These shelters are designated to have back-up generator power. Special needs shelter services are to minimize deterioration of pre-event levels of health. See Rule 64-3.010(10), Florida Administrative Code. Typically, these capacities are determined based on 60 square feet per person.

**Standard:** Reference, criterion or procedure that is accepted or acknowledged as being authoritative, and establishes a minimum quantitative or qualitative measure or attribute that can be required and enforceable by law.

**Glossary (continued)**

**Storm Surge:** An abnormal rise in sea level accompanying a hurricane or other intense storm, and whose height is the difference between the observed level of the sea surface and the level that would have occurred in the absence of the storm. Storm surge is usually estimated by subtracting the normal or astronomical high tide from the observed storm tide.

**Survey:** A gathering and assessment of provided or available information to be used as necessary to carry out the purposes of S. 252.35(2)(p) and 252.385(2)(a), Florida Statutes. Information may include data, facts, figures, opinions, reports, studies, maps, photographs, construction drawings, specifications and observation samplings.



**Appendix F:**

American Red Cross

*Mass Care Standards and Indicators, Version 011-072209*  
(Supersedes *Mass Care—Preparedness and Operations, ARC 3041*)

# Mass Care Standards and Indicators

## Purpose

Normally the first assistance to be provided in a disaster is mass care services, which are intended to minimize the immediate, disaster-caused suffering of people through the provision of food, clothing, shelters and supplies. Based on the community, culture, economy and geography of the affected region and the scope of the disaster relief operation, service providers will determine the most effective service delivery strategies for meeting the needs of those affected. This service is provided regardless of ethnicity, religion, citizenship, age, gender, disability, economic status, or sexual orientation. Fundamental to the responsibilities of providing assistance is listening to and observing the needs of individuals and families and facilitating referrals for other activities such as health services and mental health services.

## Services

Service provision is made available through one or more of five integrated elements:

- (1) individual or congregate temporary shelters
- (2) fixed or mobile feeding operations
- (3) distribution of relief supplies
- (4) health and / or mental health services
- (5) information on recovery assistance

## Process

Immediate needs are characterized as physical, emotional and informational. The first priority is to determine when and where mass care services are to be provided. The first stage of the response usually begins at the community level. At a minimum, those involved undertake the necessary activities to accommodate the immediate needs in the earliest hours and days until additional help arrives. This requires coordination at all levels, and a concerted effort is needed to maintain communication prior to, in the event of and post disaster. These immediate needs may include any or all of the following:

### *Physical needs*

- shelter (protection from harm and physical safety)
- space and materials for sleep
- food
- water
- health assessments and first aid
- durable medical equipment/medical supplies
- dietary needs
- recovery and clean-up supplies
- toiletries
- baby supplies

### *Emotional needs*

- emotional support and psychological first aid from staff
- establishment of structured routines
- opportunities for children and families to participate in their own recovery
- assistance from concerned staff
- opportunity to communicate their situation

### *Informational needs*

- status of disaster and relief efforts
- status of family members
- types of available assistance
- process of obtaining assistance
- accessible formats

## **Methods of Mass Care Service Delivery:**

### *Sheltering*

Shelters provide temporary housing for people displaced by disaster; in addition to temporary housing, residents may be supplied with emergency provisions, receive meals, and gather information on assistance and recovery. Shelter residents may also have access to health and mental health professionals.

### *Fixed sites*

Organizations determine at the time of the disaster, considering safety and accessibility, sites in the community where individuals and families affected by the disaster may receive food, distribution items, psychological first aid, health assessments including emergency first aid and/or welfare and recovery information.

### *Mobile units*

Organizations go out into communities affected by disaster to provide individuals and families with food, distribution items, emergency first aid, psychological first aid and/or welfare and recovery information, depending on the type of mobile unit being utilized.

The purpose of this section of the document is to provide benchmarks for organizations and common goals for service delivery. The standards and indicators defined below were developed in coordination with experienced practitioners from a wide range of organizations. This information is meant to be used as a tool and should not prevent an organization from providing Mass Care services. As a result of inter-agency collaboration, new tools are being developed to help organizations meet the needs of those affected by disaster.

## **Mass Care Standards and Indicators**

### ***Sheltering:***

Shelters provide a safe place for individuals and families affected by a disaster and may offer, among other things, food, snacks, beverages, cots, blankets, sanitation facilities, safety and information on recovery efforts.

No persons seeking shelter will be denied services. Shelter workers will strive to accommodate those with disabilities. If a shelter is unable to provide accommodation, the shelter manager will assist in identifying alternatives and a referral will be made.

Shelter staff members abide by principles of confidentiality.

Shelters strive to be safe, secure spaces. Shelter management takes active measures to ensure the safety of those being assisted.

Shelters strive to protect the family unit by keeping family members together.

Shelters strive to accommodate the varying cultural and faith-based requirements of the residents. Such requirements could include variations in sleeping, eating and living spaces, and providing spaces to meet and honor spiritual needs.

Shelter facilities are selected, (pre-disaster, whenever possible) using the following standards and indicators:

Twenty square feet of personal sleeping space per person is designated for emergency short term (24-48 hrs) evacuation shelters and 40-60+ square feet of usable space per person for post disaster shelters.

Potable water is supplied in a sufficient amount to meet the needs of the shelter operations. Consideration should be given to additional supply demands created by cleaning, food service operations, laundry, drinking, bathing, and other hygiene purposes.

Toilets are provided at a number that prevents excessive wait times. In addition, sanitation and health considerations must be made to ensure that the facilities are fit for use. Supplement existing facilities with portable units as necessary. On average one toilet for every 20 persons will meet the needs of the shelter population.

Adequate hand washing stations must be available to meet the health and sanitation needs of the shelter population. Hand washing stations should be located near toilet areas and equipped with soap, disposable towels and warm water if possible. Supplement existing facilities with portable units as necessary. On average one hand washing lavatory for every 20 persons will meet the needs of the shelter population.

Each shelter resident should have an opportunity to have a 15 minute shower once per day. Adequate facilities should be maintained to meet the demand. If showers are not available, provide transportation to another facility on a regular basis or supplement existing facilities with portable units as necessary. An approximate ratio of 1 shower for every 25 persons will meet this need.

Separate restroom facilities for each gender, which are well lit to ensure security.

Sewage or other disposal systems that can process at least 1.5 gallons of human waste per person per day.

Storage and removal of solid waste in the amount of 5 lbs per person, per day.

In extended sheltering situations, laundry services are made available to residents through onsite or offsite facilities.

Shelter facilities that are in compliance with Americans with Disabilities Act Accessibility Guidelines should be identified and used whenever feasible.

Accommodations for persons with disabilities, with health or mental health conditions, or who are elderly, are made whenever possible. Other resources might need to be identified to accommodate individuals who require additional assistance.

Availability of an alternative power supply is recommended.

Additional considerations of structural integrity, location, parking and back up energy supply should always be made when selecting a facility to be used as a disaster shelter.

Shelters are opened either pre-disaster or within two hours of notification or occurrence of a disaster event.

All shelter staff have received training and possess appropriate qualifications.

The ratio of staff to residents is appropriate to the size of the shelter. The minimum number of staff to open a shelter is four persons.

To meet the health needs, a shelter should be staffed with health professionals at a rate of one health and one mental health professional to 100 shelter residents. Adjustments may be made at night with consideration of the needs of the shelter population.

Signage is posted clearly throughout the facility indicating the rules of the shelter and assistance information such as essential phone numbers, location of exits, etc. Information should be posted in appropriate languages and accessible formats to ensure effective communication.

When a client enters a shelter, a process is used to determine if there are acute emergency medical needs or if special accommodations or referrals are required.

Shelter residents and staff are monitored for signs of illness and injury. Illnesses must be reported to the appropriate health professional in the shelter. If multiple shelter residents exhibit similar symptoms, local public health authorities shall be notified immediately.

Service animals are permitted in shelters.

The privacy of shelter residents is respected. Any personal information is kept secure and access is limited to those staff members who need information to provide service.

If children are present, a safe space for them to play and interact should be provided. This area should be staffed with trained, background checked personnel or children should be supervised directly by their parent or guardian

A hygienic environment is promoted throughout the shelter.

Waste receptacles are adequately spaced to allow for proper collection and emptied regularly to prevent overflow. Provide one 30 gallon container with lid and plastic bag for every 10 persons.

A contingency plan is established in the event of a loss of electrical power, loss of potable water or loss of plumbing.

Shelter kitchens follow local sanitation codes and personnel follow safe food handling procedures.

Snacks and beverages are available at shelters as soon as they are open or is practical and safe. A meal should be served within 4 hours or within the next traditional meal time (e.g. 6-8am; 11am-1pm, 5-7pm). A hot meal should be provided within 24 hours of opening.

Snacks are made available to shelter residents 24 hours per day.

Meals conform to cultural, ethnic, religious and dietary needs customary to the population being served within 36 hours provided the extent of the emergency allows.

A designated dining area is established. Food is not permitted outside this area.

Considerations as to the transition of shelter residents to more permanent housing are made at the onset of the sheltering operation.

Shelters have pre-established evacuation plans and shelter management is prepared to execute them if the need arises.

Advanced closing notification is required. In longer term shelters, it is appropriate to give notice at least 48 hours prior to closure. For those shelters that are open for a very short time period, less time is required. However, consideration of the shelter residents should be made in such cases.

### ***Feeding:***

All persons in want of food provisions are served without distinction of any kind. Forecast the projected demand following the initial 24-48 hours.

Food distribution is responsive, transparent and equitable.

Provide meals in shelters as well as emergency community feeding through mobile distribution and / or fixed sites for affected individuals and families, emergency workers or other groups providing disaster relief. Provide meals to other agency shelters when the ability to do so exists.

Initiate mobile feeding, within six hours of safe access for staff, to affected individuals and families and relief workers returning to and cleaning up disaster- damaged homes. Provide meals in instances of severe disruption to electrical power and other utilities.

Establish fixed feeding sites when there is a high concentration of disaster affected individuals and families at specific locations. Such sites may include:

- Community or civic centers
- Search and rescue sites
- Emergency services command centers
- Apartment buildings
- Levee worker crew sites
- Site of a mass casualty incident
- At the kitchen site where food is prepared.

All staff have received requisite training, including safe food handling, and possess appropriate qualifications to deliver feeding services.

Food donated by individuals is not accepted. All in-kind donations of prepared (cooked) food must be from commercial vendors or recognized partner agencies, in appropriate sizes and quantities.

All kitchen units abide by local, state and federal sanitation codes.

All food preparation and service meet the guidelines of the local health department on safe food handling.

Adequate restrooms and hand washing stations are provided at feeding sites.

Food temperatures are kept within the appropriate range to preserve food quality. Store and maintain food outside the temperature danger zone (TDZ) of 41° F and 135° F. Prepared food held within the TDZ longer than 4 hours must be discarded. Ensure that hot foods stay hot (above 135° F) and cold foods stay cold (below 41° F).

All modes of transportation for mobile feeding units are equipped to maintain proper food temperatures and safe handling.

Consistent with individual needs and dietary recommendations, provide a daily diet of at least 2,000 calories with sufficient amounts of vitamins and nutrients (based on federal nutrition guidelines).<sup>1</sup>

Standard serving sizes for meals are 8 oz. entrees, 6 oz. side dishes and 6 oz. dessert, measured in volume.

To identify food waste use the difference between meals prepared and meals served. If the difference is greater than ten percent it is considered wasteful.

Ensure that meals served meet the cultural, ethnic, religious and dietary needs of the affected individuals within 36 hours in shelters and as soon as practical at other locations.

Advanced notice is given to the affected community prior to food delivery shutdown.

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<sup>1</sup> USDA Dietary Guidance,

[http://riley.nal.usda.gov/nal\\_display/index.php?info\\_center=4&tax\\_level=3&tax\\_subject=256&topic\\_id=1342&level3\\_id=5140&level4\\_id=0&level5\\_id=0&placement\\_default=0](http://riley.nal.usda.gov/nal_display/index.php?info_center=4&tax_level=3&tax_subject=256&topic_id=1342&level3_id=5140&level4_id=0&level5_id=0&placement_default=0)

DRI: Recommended Intakes for Individuals, <http://www.iom.edu/Object.File/Master/21/372/0.pdf>

***Water:***

In the event that the normal supply of water is contaminated or interrupted, organizations may initiate distribution of bottled water, the quality of which meets all applicable health standards.

Water may be distributed at shelters, fixed distribution sites and/or by mobile distribution.

Potable water is supplied in a sufficient amount to meet the needs of the shelter operations. Consideration should be given to additional supply demands created by cleaning, food service operations, laundry, drinking, bathing, and other hygiene purposes.

Water quality must meet all applicable federal, state and local sanitation standards.

Bottled water is provided in sealed containers that meets federal, state and local sanitation standards.

Hauled or Bulk water is delivered in approved containers from a safe source that meets federal, state and local sanitation standards.

Water distribution is responsive, transparent and equitable and takes into consideration the dignity of the individual.

***Bulk Distribution:***

Bulk distribution items are determined by the disaster caused needs of the community, including the following:

- Type of damage
- What infrastructure is affected (are stores open, stocked with food, baby items, etc.)?
- Perimeter of the disaster affected area.
- Special needs of vulnerable populations.
- Approximate number of families affected.
- General extent of damage to homes.
- If the disaster event is over or continuing.
- Projected escalation of the event.
- Status of utilities.
- Access to disaster affected areas and populations.
- Road conditions.
- Services provided by other agencies.
- Percentage of population that will remain in or return to homes.
- Percentage of population that currently have access to homes for clean-up and salvage efforts and a timeline for remainder of population to gain access to their homes.
- Specific items needed



- 
- Trigger points to initiate Bulk Distribution include:
  - Specific community needs for products to assist in relief and/or recovery during or after a disaster are identified.
  - Percentage of population isolated, making Bulk Distribution the most reasonable method of service delivery.
  - Infrastructure of regular supply routes to local vendors severely hindered.
  - Feeding requirements beyond Red Cross capacity and indications that this will continue.
  - Extreme weather conditions that create an unusually high demand for items such as water, blankets and other essentials.

Distribution of items essential to basic survival, health and sanitation are prioritized before items for clean-up and recovery.

Several considerations are made in determining the amount, type and size of product selected for distribution, including:

- Immediacy of need
- Supply chain
- The number of times clients will need to return to obtain the supplies
- The number of different products offered at one time
- How much clients can be expected to carry
- The ratio of clients in vehicles versus on foot
- How much product is available to be issued
- How much is immediately available versus on order

Duplication of services is minimized.

Distribution is carried out in a timely manner.

Items are distributed equitably and are made accessible to all. This may necessitate mobile distribution and/or fixed sites. Examples of fixed sites include:

- Service delivery sites
- Service centers
- Community centers
- Churches
- Fire stations
- Government offices
- Respite centers
- Parking lots

Food items are stored off the ground and are protected from pests and the environment.

Advanced notice is given prior to distribution shutdown.

## ***On-Site Donations Management***

It is best to separate donation sites from bulk distribution sites for logistical reasons. However, there may be times when donation sites may be co-located with bulk distribution points. If this occurs, the two areas must be distinctly separated with different access.

Accepting donations of goods instead of buying products can be a useful way to save money on needed disaster supplies and to provide a positive experience for donors who can then feel that they are contributing to the relief effort. However, there are certain conditions donations must meet in order to be appropriate for relief efforts.

- Must meet an identified need
- Large, bulk donations of products to match specific quantities: To provide an equitable distribution of disaster supplies, attempt to only accept products donated in quantities large enough to support the needs of all or most of the affected population.
- Packaging: Whenever possible, product should be received on pallets and shrink-wrapped to facilitate sorting and ensure fast equitable distribution.
- Condition: Only accept products that are in good condition and that are not expired. Be careful about accepting used items because it is difficult to ensure their quality.
- Appropriateness: Do not accept products that are not familiar to the affected population, or products that are not appropriate due to cultural or religious considerations. Certain items can also be inappropriate for particular climates.

## **Standards and Indicators for Disaster Shelter Care for Children Purpose**

To provide guidance to shelter managers and staff that ensures children have a safe, secure environment during and after a disaster – including appropriate support and access to essential resources.

### **Standards and Indicators for All Shelters**

Under most circumstances a parent, guardian or caregiver is expected to be the primary resource for their children, age 18 and younger.

In cases where parents or guardians are not with their children, local law enforcement personnel must be contacted to assist with reunification. In many cases, local law enforcement will also contact local child protective/child welfare services for their expertise.

Children are sheltered together with their families or caregivers.

Every effort is made to designate an area for families away from the general shelter population.

Family areas should have direct access to bathrooms.

Parents, guardians, and caregivers are notified that they are expected to accompany their children when they use the bathrooms.

Every effort is made to set aside space for family interaction:

This space is free from outside news sources thereby reducing a child's repeated exposure to coverage of the disaster.

If age-appropriate toys are available they will be in this space, with play supervised by parents, guardians or caregivers.

Shared environmental surfaces in shelters that are frequently touched by children's hands or other body parts should be cleaned and disinfected on a regular basis. High contact areas may include diaper changing surfaces, communal toys, sinks, toilets, doorknobs and floors. These surfaces should be cleaned daily with a 1:10 bleach solution or a commercial equivalent disinfectant based on the manufacturer's cleaning instructions. Local health department authorities may be consulted for further infection control guidance.

When children exhibit signs of illness, staff will refer children to on-site or local health services personnel for evaluation and will obtain consent from a parent, guardian or caretaker whenever possible.

When children exhibit signs of emotional stress, staff will refer children to on-site or local disaster mental health personnel and will obtain consent from a parent, guardian or caretaker whenever possible.

Children in the shelters come in all ages and with unique needs. Age appropriate and nutritious food (including baby formula and baby food) and snacks are available, as soon as possible after needs are identified.

Diapers are available for infants and children as soon as possible after needs are identified. General guidelines suggest that infants and toddlers need up to 12 diapers a day.

Blankets, for all appropriate ages, are also available.

A safe space for breastfeeding women is provided so they may have privacy and a sense of security and support (this can include a curtained off area or providing blankets for privacy).

Basins and supplies for bathing infants are provided as soon as possible after needs are identified.

## **Standards and Indicators for Temporary Respite Care for Children**

Temporary Respite Care for Children provides temporary relief for children, parents, guardians or caregivers. It is a secure, supervised and supportive play experience for children in a Disaster Recovery Center, assistance center, shelter or other service delivery site. When placing their child or children in this area, parents, guardians or caregivers are required to stay on-site in the disaster recovery center, assistance center or shelter or designate a person to be responsible for their child or children, who shall also be required to stay on-site.

In cases where temporary respite care for children is provided in a Disaster Recovery Center, assistance center, shelter and other service delivery site, the following Standards and Indicators shall apply:

Temporary respite care for children is provided in a safe, secure environment following a disaster.

Temporary respite care for children is responsive and equitable. Location, hours of operation and other information about temporary respite care for children is provided and easy for parents, guardians and caregivers to understand.

All local, state and federal laws, regulations and codes that relate to temporary respite care for children are followed.

The temporary respite care for children area is free from significant physical hazards and/or architectural barriers and remains fully accessible to all children.

The temporary respite care for children area has enclosures or dividers to protect children and ensure that children are supervised in a secure environment.

The temporary respite care for children area is placed close to restrooms and a drinking water source; hand washing and or hand sanitizer stations are available in the temporary respite care for children area.

Procedures are in place to sign children in and out of the temporary respite care for children area and to ensure children are only released to the parent(s), guardian(s), caregiver(s) or designee(s) listed on the registration form.

All documents---such as attendance records and registration forms (which include identifying information, parent, guardian or caregiver names and contact information), information about allergies and other special needs, injury and/or incident report forms---are provided, maintained, and available to staff at all times.

Toys and materials in the temporary respite area are safe and age appropriate.

Prior to working in the temporary respite care for children area, all shelter staff members must receive training and orientation. In addition, such staff must successfully complete a criminal and sexual offender background check. Spontaneous volunteers are not permitted. When inside the temporary respite area, staff shall visibly display proper credentials above the waist at all times.

When children are present, at least two adults are to be present at all times. No child should be left alone with one adult who is not their parent, guardian or caregiver.

All staff members must be 18 years or older. Supervision of the temporary respite care for children area is provided by a staff person at least 21 years of age.

An evacuation plan will be developed with a designated meeting place outside the center. The evacuation plan will be posted and communicated to parent(s), caregiver(s), and guardian(s) when registering their child.

The child to staff ratio is appropriate to the space available and to the ages and needs of the children in the temporary respite care for children area at any time.

## **Appendix G**

Guidance for Implementation of  
Public Shelter Design Criteria

## **Appendix G –Guidance for Implementation of Public Shelter Design Criteria**

### **G.0 PUBLIC SHELTER DESIGN CRITERIA**

The public shelter design criteria, which are also known as the Enhanced Hurricane Protection Area or EHPA criteria, were developed to ensure that appropriate new educational facilities can serve as public hurricane evacuation shelters. The EHPA criteria provide supplemental code provisions to existing applicable codes and standards. The EHPA criteria are performance-based, with limited prescriptive options provided to serve as a guide toward achieving the required level of performance.

The SREF public shelter design criteria are promulgated in Section 453.25, *Florida Building Code—Building* (FBC). This section of the code applies to public schools (K-12) and community colleges.

The EHPA criteria were also prepared to ensure that new educational facilities could meet or exceed applicable national design and construction standards, guidelines and “best practices.” In particular, the American Red Cross’ ARC 4496 should be considered during the planning and design process for an EHPA; see Appendix C. ARC 4496 is the minimum hurricane evacuation shelter criteria used by the Division, American Red Cross and local emergency management officials for surveying, ranking and designating public hurricane evacuation shelters.

### **G.1 EHPA Occupancy Period**

For planning purposes, the EHPA is assumed to be occupied at its maximum occupant capacity for, at a minimum, a continuous eight (8) hour period of exposure to major hurricane conditions (i.e., Category 3 or higher). Off-site and unprotected on-site structures and utilities should be assumed to be inoperable, damaged or destroyed.

Though the EHPA provisions assume only an 8-hour design occupancy period, hurricane evacuation shelters are much more likely to be occupied for about 24 to 36 hours in advance of arrival of hurricane force winds, 8 to 24 hours during hurricane conditions, and 24 to 72 hours (or longer) after hurricane force winds subside. Boards, design professionals and emergency managers should consider this fact during the design of an EHPA. A design planning guide of 24 hours of self-sufficient operations at maximum occupant capacity may be more appropriate. A shelter occupancy minimum design duration of 24 hours is consistent with the International Code Council’s *Standard on the Design and Construction of Storm Shelters* (ICC 500).

## **G.2 Structural Requirements**

The wind load performance objective of modern building codes and standards is to prevent or reduce deaths and injuries within the built environment. This is achieved through design and construction of buildings such that, under design loads, primary load carrying systems remain stable and do not collapse. Survival without collapse implies that occupants should be able to find an area of relative safety inside the structure during a severe wind event. Localized damage, breach of the structural envelope and flow of wind through the structure and water damage are acceptable. However, this design philosophy is not necessarily acceptable for public hurricane evacuation shelters (and certain other essential facilities).

Hurricane Andrew (1992) and other subsequent major hurricanes demonstrated that the potential exists for hundreds of shelter occupants to find themselves scrambling for safety as the structural envelope of a designated public shelter progressively collapses or disintegrates. This scenario is unacceptable to emergency management and other public officials. The EHPA criteria were developed to significantly enhance the safety of public hurricane evacuation shelters, and enhance their ability to survive and continue to serve the public after exposure to a major hurricane. Therefore, the performance expectation for EHPA's is that not only the structural frame resist collapse in a Category 3 or greater hurricane, but that the exterior envelope components, cladding materials and assemblies must also remain sufficiently intact to protect building occupants and preserve the mass care function.

**G.2.1 Wind Loads.** EHPA's are required to be designed and constructed in accordance with the hurricane wind load provisions of the International Code Council/National Storm Shelter Association *Standard for the Design and Construction of Storm Shelters* (ICC 500). ICC 500's design wind speed map is based on achieving a one (1) percent chance or less of occurrence over the life expectancy of the structure (approximately 75 – 100 years). The chance of occurrence in any given year is 0.0001; which is often referred to as a 10,000-year event. Figure G-1 shows the ICC 500 design wind speed map for Florida and the southeast United States

The International Code Council has published a commentary to assist designers with meeting the ICC 500 standard. The Federal Emergency Management Agency (FEMA) has also published useful guidance in *Design and Construction Guidance for Community Safe Rooms* (FEMA P-361) which provides assistance for federally-funded storm shelter construction programs.

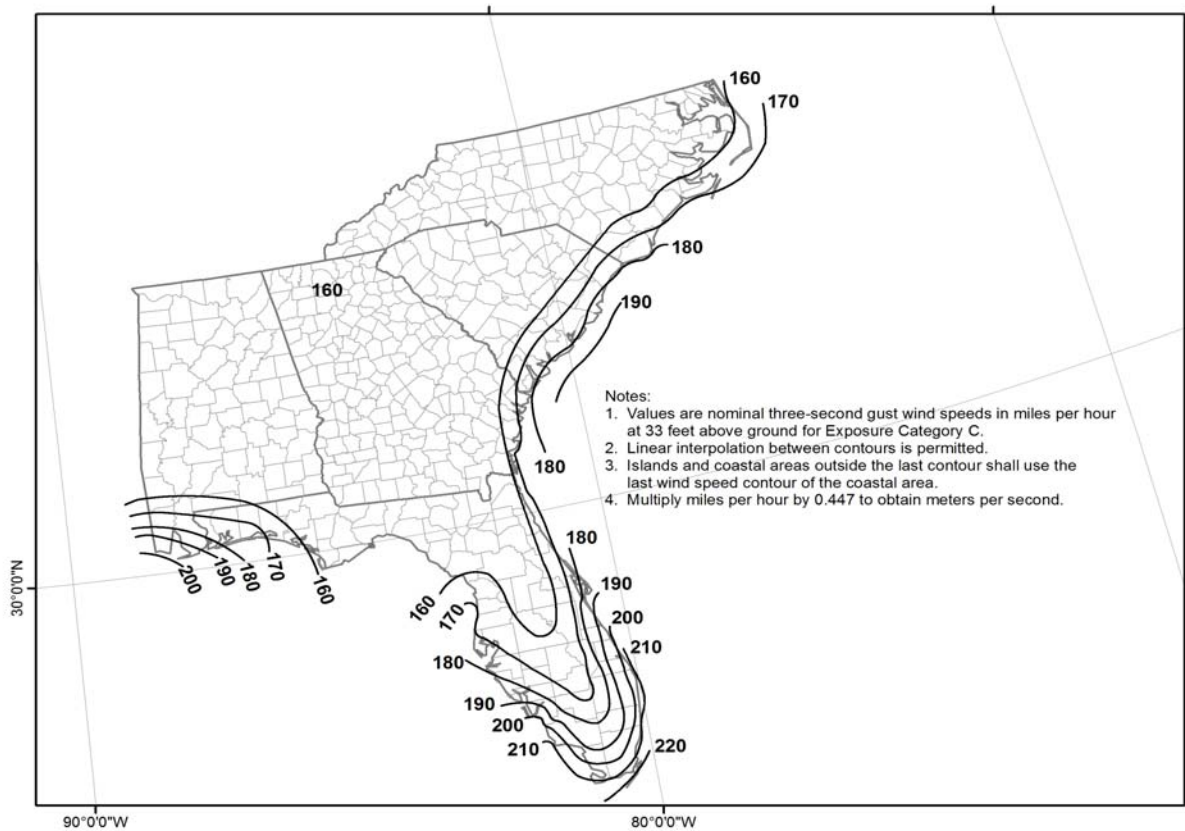
FEMA P-361 can be viewed at the following web address:

<http://www.fema.gov/safe-room-resources/fema-p-361-design-and-construction-guidance-community-safe-rooms>



**G.2.2 Windborne Debris Impact.** All exterior surface components and cladding materials of EHPA's, and their supporting assemblies, are required to resist windborne debris impact. This includes walls, roofs, windows, skylights, glass block, doors, louvers, etc. This requirement is applicable to all EHPA's, regardless of proposed siting in a location outside of the normal windborne debris regions prescribed in ASCE 7 or the FBC.

**Figure G-1. ICC 500 Hurricane Design Wind Speed Map**  
 Source: International Code Council



For reference purposes, Figure G-2 shows the *2010 Florida Building Code—Building* design wind speed map. Figure G-3 shows the *Florida Building Code—Building* design wind speed with windborne debris regions.

Figure G-2. ASCE 7-2010 and 2014 *Florida Building Code—Building, Risk Category III and IV Design Wind Speed Map*

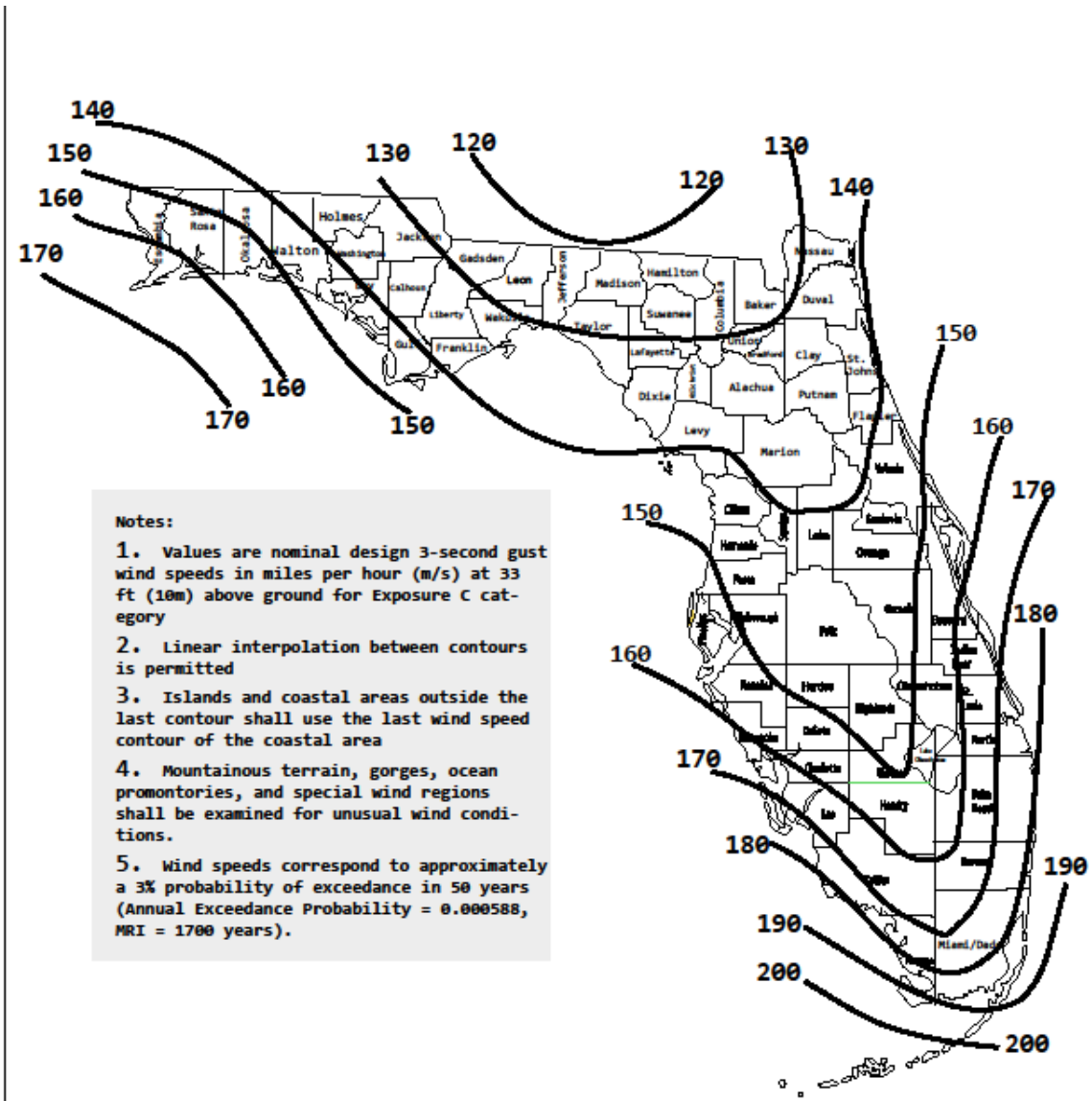
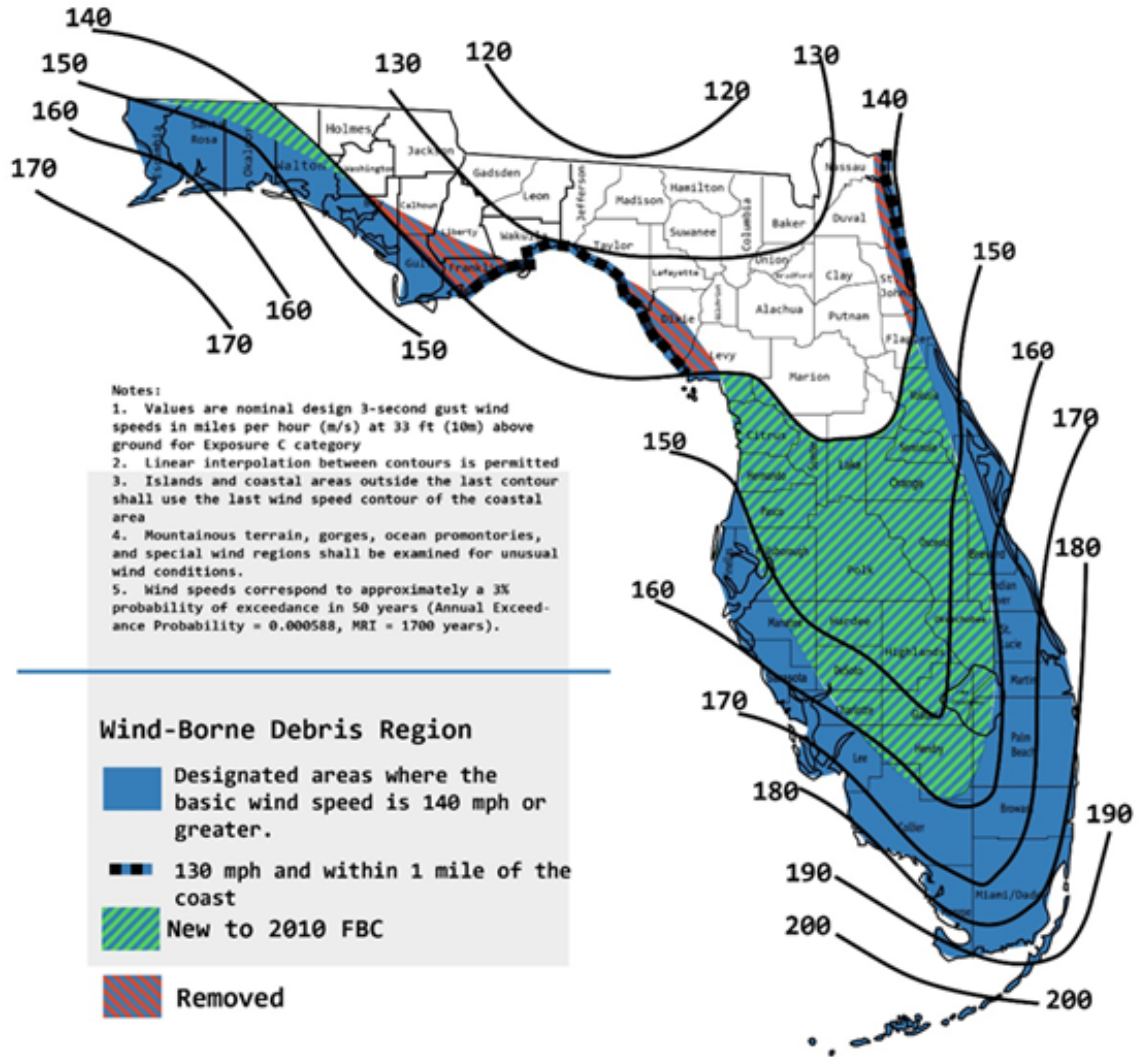


Figure 1609B Ultimate Design Wind Speeds,  $V_{ult}$ , for Risk Category III and IV Buildings and other Structures

**Figure G-3. ASCE 7-2010 and 2014 Florida Building Code—Building, Risk Category III and IV Design Wind Speed Map (Wind-Borne Debris Region)**



**Figure 1609B Risk Category III and IV Buildings and other Structures and Category III healthcare facilities**

Local emergency managers and school officials have asked for a comparison of the National Hurricane Center’s (NHC) hurricane category wind speeds and building code design wind speeds. The NHC categorizes hurricanes using the Saffir-Simpson Hurricane Intensity Scale, which uses a one-minute sustained wind measurement method. ASCE 7-10 Commentary Tables C26.5-2 and C26.5-6 and ASCE 7-16 Commentary Table C26.5-7 provides information to assist with conversion.

Table G-1 below provides a comparison of common wind measurement methods. For comparison purposes, visualize an anemometer (measures wind velocity) with Table G-1 representing concurrent scales on its wind speed display, similar to a vehicle speedometer that registers vehicle speed in both miles per hour (mph) and kilometers per hour. The anemometer will read about 122 mph on the 3-second gust scale when the one-minute sustained scale reads 111 mph.

<b>TABLE G-1. Equivalent Basic Wind Speeds</b>						
Wind Speed Conversion <sup>1</sup>						
3-Second Gust (ult), 3-Second Gust (asd), Fastest-Mile and 1-Minute Sustained						
<b>Design Wind Measurement Method</b>	<b>Saffir-Simpson Hurricane Intensity Scale</b>					
	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>	<b>Category 4</b>	<b>Category 5</b>	<b>Extreme Category 5</b>
<b>3-Second Gust, mph</b> (ASCE 7-10, ASCE 7-16 and Florida Building Code, Ultimate)	105	134	155	182	218	266
<b>3-Second Gust, mph</b> (ASCE 7-98 to 7-05 and Florida Building Code)	81	106	122	143	173	210
<b>Fastest-Mile, mph</b> (ASCE 7-93 and Standard Building Code)	76	91	106	127	154	186
<b>One-Minute Sustained, mph</b> (Over open water; National Hurricane Center)	74	96	111	130	157	188

<sup>1</sup> - Reference Sources: ASCE 7-10 Tables C26.5-2 and C26.5-6, and ASCE 7-16 Table C26.5-7

**G.2.3 Foundations and Floor Slabs.** The finished floor elevation of EHPA’s and their essential life safety and emergency support systems need to be elevated above at least the maximum storm surge inundation elevation associated with a Category 4 hurricane. In multistory or elevated buildings, this applies to the lowest EHPA floor. The storm surge elevations are identified by reviewing the most current Sea, Lake and Overland Surges from Hurricanes (SLOSH) studies and atlases.

Some computer-based SLOSH models are also available, such as SLOSH Display Program version 1.65i. These models list several elevations based upon “hurricane scenario,” which includes storm intensity, forward speed and track. It is not uncommon for a site located in a Category 4 or 5 storm surge zone to be listed as “dry” for all but one or possibly a few scenarios, and could possibly be dry for all scenarios due to elevation of local grade.

The Division’s minimum recommendation for rainfall flood design elevation for EHPA’s is ASCE *Flood Resistant Design and Construction* (ASCE 24) Classification Category IV, Essential Facility. That is, the minimum elevation must be at least two (2) feet above base flood elevation (BFE) or a community’s Design Flood Elevation (DFE), whichever is greater. However, where determined, the lowest habitable EHPA floor elevation should be at or above the 500-year flood elevation.

**G.2.4 Certifications.** Board and emergency management agencies have often found that it is difficult, if not impossible, to document that a facility was designed and constructed to the EHPA criteria after the passage of time. Construction drawing notes often do not provide the required information, and building officials, design professionals-of-record, constructors, product manufacturers and providers, and other relevant agents move on to other projects. Maintaining a viable record to certify that a facility has been designed and constructed to meet the EHPA criteria is critical.

The following information is needed by emergency managers to document that a facility is an EHPA:

1. Statement that the wind design conforms to the provisions of the Public Shelter Design Criteria, Section 453.25, Florida Building Code with year of revision specified
2. Statement that the building or EHPA, as applicable, is capable of withstanding or exceeding wind loads according to ASCE 7 structural design criteria (this statement is essential for ARC planners)
3. Basic Wind Speed ( $V$ ), mph
4. Wind Importance Factor ( $I$ ); if applicable by standard or code in effect
5. Wind Exposure
6. Wind Directionality Factor ( $K_d$ )
7. Internal Pressure Coefficient ( $GC_{pi}$ )
8. Provide documentation that walls, windows, doors, louvers, roofs, skylights, exhaust fans, rooftop air-conditioning equipment and other exterior components comply with ASTM E 1886 and E 1996, SSTD 12 or other applicable performance standards (e.g., FBC High Velocity Hurricane Zone testing protocols TAS 201, 202 and 203, etc.); documentation may include large missile impact product approval notice(s), certified lab test results, etc.
9. Floor plan drawing or image indicating location of EHPA portions of the facility; includes drawing or image indicating the entire facility when applicable

The documentation can be provided in the form of a certification letter or memorandum, or as a note page within the construction drawings of record. It is requested that the design professionals-of-record sign and seal the certification document(s), and forward the certification to the board, local emergency management agency and Division.

**G.2.5 Observations from the 2004 and 2005 Hurricane Seasons.** Following the 2004 and 2005 hurricane seasons, federal, state and local building code and mitigation assessment teams observed the types of damages found in the most heavily impacted areas of Florida. In general, the impacted EHPA's performed in a manner similar to other recently constructed light commercial facilities. That is, there were no observed structural failures but improvements were recommended for cladding integrity and weather protection. In particular, roof coverings, light metal exterior wall coverings, soffits and door hardware damage led to rainwater intrusion.

The following is a summary of selected recommendations from the federal Mitigation Assessment Team for critical/essential facilities (which includes shelters):

1. To better ensure adequate performance of shelters, the 40 mph increase in base wind speed should be required and not just "highly recommended."
2. Ensure that appropriate ASCE 7 Exposure Categories are selected during the design process; ensure full wind loads are calculated in open areas (Exposure C) where reductions are not appropriate.
3. The minimum windborne debris impact criteria should be increased from the current SSTD 12/ASTM E 1996 Level D (9 lb 2"x4" @ 34 mph) basic protection to the essential facility Level E (9 lb 2"x4" @ 55 mph) enhanced protection.
4. Assure code compliance through increased enforcement of construction inspection requirements, such as the Threshold Inspection Law.
5. It was recommended that designers calculate loads on building envelope cladding and components (including soffits), roof coverings and roof top equipment and specify/detail adequate attachments to resist the loads. A minimum safety factor of 2.0 is typically recommended. Note that industry or manufacturers' recommendations may be higher than 2.0.
6. For roof coverings, a secondary weather-resistant underlayment is recommended to improve rainwater intrusion protection.
7. Designers should clearly indicate on the construction drawings the area of the facility that was designed to function as the high wind shelter or hardened core area.
8. Perform follow-up inspections every five years or after a hurricane to identify interior moisture damage that may affect the structure or building envelope.
9. It was recommended that designers consider and use guidance found in FEMA P-361 and *Design Guide for Improving School Safety in Earthquakes, Floods and High Winds* (FEMA 424).

To view the full Hurricane Charley and Hurricane Ivan Mitigation Assessment Team Reports, please see FEMA 488 and 489 at the following web addresses:

<http://www.fema.gov/media-library/assets/documents/905>

<http://www.fema.gov/media-library/assets/documents/2338?id=1569>

Also, FEMA 424 can be viewed at the following web address:

<http://www.fema.gov/media-library/assets/documents/5264>

There was one finding during the 2004 hurricane season that is related to human behavior that could increase the vulnerability of shelters. About forty (40) percent of the sites reported that persons (evacuees, shelter staff and managers, and public safety officials) purposely opened windows and doors during hurricane conditions. The reasons for the openings varied from admittance of late arrivals, to smoking, distribution of food and other supplies, fresh air ventilation, and equipment repairs or maintenance. Buildings are designed to be enclosed structures, and openings of possibly as small as one (1) percent of a building's exterior envelope can cause internal pressures that exceed original design loads. This essentially negates the benefits of any added window, door or other envelope protection.

In less intense storms, such as the conditions experienced by most of the shelters in 2004, the effects caused by the openings were minimal, with occupants experiencing only minor atmospheric pressure changes and a temporary, but pronounced, creaking of lightweight roof decks (e.g., metal). However, when doors were opened on building sides perpendicular to or opposite the windward facing walls, the doors occasionally were pulled open violently by suction forces. This may have damaged some doors making them impossible to re-close, and in one case may have broken a door window pane. For additional findings specific to occupied hurricane evacuation shelters during the 2004 season, please see Chapter 5, Performance of Public Shelters during the 2004 Hurricane Season, of the *2005 Shelter Retrofit Report*.

**G.2.6 Roof and Utility Enclosure Rainfall Drainage.** The EHPA criteria requires that roof drain systems be sized for normal use (i.e., 100-year, 1-hour rainfall design per FBC—Plumbing, Figure 1106.1), and when applicable also required to have additional emergency overflow capacity. The Division recommends that where drainage confining roof perimeter construction or parapets are present, that secondary (emergency) roof drains or scuppers be designed for an eleven (11) inch, 1-hour rainfall rate. This is about a 10,000-year, 1-hour recurrence rainfall rate for Florida, so a low probability event. A rainfall design rate of 8 inches per hour is also consistent with ICC 500 standards for Florida.

The Division also recommends that utility, mechanical, electric and plumbing equipment enclosures with open or screen roofs provide similar emergency rainfall drainage capacity at or near floor or ground level.

### **G.3 Location and Site Requirements**

**G.3.1 Emergency Access.** EHPA's are required to have at least one major means of access for emergency vehicles that is above the 100-year floodplain. However, this requirement may be impractical in some areas due to generally low-lying topography. Therefore, this requirement can be waived by the board with concurrence of the local emergency management agency or the Division. A potential EHPA with access routes below the 100-year floodplain may be subject to isolation due to hurricane rainfall flooding, and should be reviewed as a potential exemption request per section 2.2.1 of this Plan.

**G.3.2 Landscaping and Parking.** Landscaping around the EHPA must be designed to preserve safety and emergency access. Trees must not conflict with overhead or underground utilities, including electricity, telecommunications, potable and wastewater, natural gas, etc. Trees, utility poles or other tall structures are required to be located to avoid lay-down or impact hazard for the EHPA and its occupants. The Division recommends that trees located within 50 feet of an EHPA be limited to trunk diameters that do not exceed about six (6) inches at maturity. This recommended standoff distance will prevent medium-size trees from inflicting battering damage to EHPA roofs, walls, windows and doors and reduce the potential for entry and egress door blockage.

Trees that exceed 12 inch trunk diameters may cause most of the lay-down impact damage to buildings. Therefore, the Division recommends that trees that typically exceed 12 inches in diameter at maturity should be located with a standoff distance of more than 100 feet from their base to the closest potential impact point of an EHPA's outside perimeter wall; preferably a standoff distance of more than 115 feet. However, due to their relatively greater height potential, pine trees (e.g., Slash, Spruce, Shortleaf, Longleaf, Loblolly, etc.) should be located with a standoff distance of more than 125 feet from the EHPA; preferably a standoff distance of more than 140 feet.

Structures, equipment and other objects within 300 feet of the EHPA's perimeter should be anchored to avoid generating large windborne, falling or roll-over debris. Vehicles must be parked more than 50 feet from the perimeter of the EHPA during hurricane conditions.

**G.3.3 Rainfall Drainage.** The civil designer may also want to consider the potential for exceptionally high rainfall rates that will exceed normal site drainage design standards. The following are select maximum single-day (24 hour) rainfall records for locations in Florida:

- Pensacola – 11.68 inches
- Crestview – 11.44 inches
- Apalachicola – 10.67 inches
- Tallahassee – 8.86 inches
- Jacksonville – 6.33 inches
- Yankeetown – 38.7 inches (Florida Record)
- St. Petersburg – 15.45 inches
- Tampa – 11.45 inches



Orlando – 8.19 inches  
Melbourne – 27.65 inches  
Fort Myers – 9.92 inches  
West Palm Beach – 15.22 inches  
Miami – 12.56 inches  
Key West – 22.75 inches

Other extreme rainfall events of note for the United States:

Alvin, TX (1979) – 43 inches (NWS national record)  
Dauphin Island, AL (1997) – 32.5 inches  
Hackberry, LA (1962) – 22.0 inches  
Americus, GA (1994) – 21.1 inches

During slow-moving large “wet” hurricanes, a 10 to 20 inch or greater rainfall event is possible. The designer should consider the impact that flooded parking lots, overwhelmed storm drains and retention ponds, closed basin ponding, riverine and sheetflow flooding, and dam or reservoir containment failure may have on an occupied EHPA.

An essential performance requirement of hurricane evacuation shelters is that they not be inundated by rainfall flooding. For design purposes, the Division recommends that the EHPA’s civil designer consider the effects of an extraordinary event on the site drainage design. The designer should assume pre-hurricane saturated soil conditions and at-capacity drainage retention structures, then apply a hurricane-caused single-day rainfall event of about 30 inches. This is approximately a point maximum 2,000-year, 24-hour recurrence rainfall rate (1 sq.mi. basin) for most of Florida, so a low probability event.

#### **G.4 Hurricane Evacuation Shelter Capacity**

A minimum of fifty percent of the net square feet of certain types of rooms and spaces (referred to as “included spaces”) of new educational facilities are required to be constructed to meet the EHPA criteria. The calculated EHPA capacity is used by board staff, emergency managers and design professionals to determine the shelter occupant capacity and infrastructure-related requirements (potable water, toilets, hand washing sinks, parking, etc.) EHPA’s may be located in a single large room or a combination of rooms, located on one or more floors, and possibly in more than one building. To begin the EHPA capacity calculation process, identify those rooms or spaces that are to be excluded. Section 453.25.3.1, FBC and s. 252.385(4)(b), Fla.Stat. serve as guides for identifying excluded space.

The following is a summary of the excluded spaces:

**Excluded Spaces.** Spaces such as mechanical, plumbing, electrical, telecommunication and information technology utility equipment rooms, storage rooms and closets, exterior/outside circulation and open corridors, restrooms and

shower areas, kitchen and food preparation rooms, science rooms and labs, computer and information technology rooms and labs, vocational and industrial technology shop areas and labs, library and media rooms and labs, administrative office and support areas, record vaults, attics and crawl spaces.

**Included Spaces.** All other rooms and areas not listed as an excluded space.

To determine the net square feet of EHPA floor area, subtract the floor area square feet of excluded spaces from the gross square feet of the facility. The board, with the concurrence of the local emergency management agency or the Division may adjust the list of excluded/included spaces or the formula for calculation of design capacity.

Net usable floor area is defined as follows:

**Net Usable Floor Area.** Floor area of included spaces reduced to account for partitions and walls, columns, fixed or movable objects, furniture, equipment or other features that under probable conditions cannot be removed or stored during use as a hurricane evacuation shelter.

The following empirical usability factors can be used to determine net usable floor area:

1. Reduce the gross floor area of assembly areas with concentrated furnishings or fixed seating by 50 percent. Examples are auditoriums, amphitheater classrooms, etc. To calculate a room's net usable floor area, multiply gross floor area by a **usability factor (UF)** of 0.50.
2. Reduce the gross floor area of assembly areas with unconcentrated furnishings and without fixed seating by 35 percent. Examples are conference rooms, educational classrooms and skills labs, dining areas, band and music rooms, etc. To calculate a room's net usable floor area, multiply gross floor area by a UF of 0.65.
3. Reduce the gross floor area of assembly areas with open floors and without fixed seating by 15 percent. Examples are gymnasiums, dance floors, exhibition galleries, open multipurpose rooms, interior/inside circulation corridors and areas, etc. Retractable seating is not considered fixed seating. To calculate a room's net usable floor area, multiply gross floor area by a UF of 0.85.

A more comprehensive list of Department of Education room design codes, descriptions and UF is available in Appendix H. Usability factors listed are empirical in that they are based upon large-scale typical conditions. Boards, local emergency management agencies and design professionals may adjust the empirical usability factors to address site-specific conditions.

The capacity of an EHPA is calculated using 20 square feet per occupant. The FBC formula is as follows:

$$\text{(Gross Floor Area} - \sum \text{Excluded Floor Areas)} / 20 = \text{Occupant Capacity}$$

To calculate occupant capacity based upon net usable floor area, the formula is:

$$\sum \text{(Included Gross Floor Areas} \times \text{UF values)} / 20 = \text{Usable Occupant Capacity}$$

The designer should be aware that SpNS “client” occupant capacity is based upon 60 sq.ft. per client. The 60 sq.ft. includes an allowance for care-givers, medical staff, medical equipment and supplies, and a cot or bed. Therefore, no additional space allowance is required for these personnel, equipment or material.

In an emergency, on a short-term basis during hurricane conditions, the American Red Cross and emergency management officials may temporarily reduce the occupant floor area requirement to 15 square feet per occupant. This emergency contingency measure does not affect the EHPA criteria’s requirement to use 20 square feet per occupant to calculate design capacity.

The designer should be aware that for adults and children with certain access or functional needs support services (FNSS), such as persons that need wheelchairs or scooters, lift equipment, service animal and/or personal assistance services, FEMA recommends a floor space allocation of 100 sq.ft. For design or planning purposes, the larger accessibility accommodation space may apply to one (1) of every 10 occupants. In some cases the 100 sq.ft. may be shared with a caregiver (i.e., 50 sq.ft. for two of 10 occupant spaces). Additional guidance on space layout considerations can be found in Appendix F and at the following web address:

[http://www.ct.gov/demhs/lib/demhs/space\\_\\_layout\\_\\_considerations.pdf](http://www.ct.gov/demhs/lib/demhs/space__layout__considerations.pdf)

To estimate the number of design occupants assuming one (1) FNSS space per 10 occupants, the designer can replace the 20 sq.ft. allowance of the EHPA criteria with 28 sq.ft. Assuming that FNSS space is shared by a caregiver, replace 20 sq.ft. with 26 sq.ft. These will reduce the facility’s occupant capacity to account for the additional functional needs space. However, the EHPA criteria do not permit use of the larger design occupant allowance. Therefore, 20 sq.ft. should be used to calculate mechanical, electrical and plumbing related design features.

For planning and guidance purposes only, Table G-2 provides the Division’s recommendations for calculating the number of occupants of both evacuation and extended duration shelter types. The floor area allowances apply to all sizes of shelters from small with design occupants of less than 50 to mega-shelters with thousands of occupants. The allowances also include additional accommodation space for persons needing FNSS. The definitions for the shelter types can be found in Appendix E, Glossary. To use Table G-2 (below), replace the code value of “20” in the Occupant Capacity formula(s) given previously with values shown in Table G-2. The calculated

occupant capacity will provide the number of occupants with a reduction for FNSS spaces.

As an example, a risk evacuation shelter with a total of 10,000 gross sq.ft. of floor area and 0.85 usability factor, replace the “20” with “26” as follows:

$$(10,000 \times 0.85) / 26 = 326 \text{ occupant spaces}$$

Of the 326 total occupant spaces, two of 10 (or 2:10) are based on 50 sq.ft. each (65 FNSS spaces), and the remaining eight of 10 (8:10) are based on 20 sq.ft. each (261 code minimum/standard spaces).

<b>Table G-2. Florida Shelter Occupant Space Calculation Recommendations with FNSS for Dormitory Areas</b>		
<b>Type of Shelter (Duration of Shelter Occupancy)</b>	<b>Floor Area Minimum Recommendation, average net usable sq.ft.</b>	<b>Floor Area Range, average net usable sq.ft.</b>
<b>General Population</b>		
Risk Evacuation Shelter (0-72 hours)	26	22-46
Host Evacuation Shelter (0-72 hours)	26	26-46
Recovery/Short Term Shelter (72 hours - 2 weeks)	42	42-64
Long Term Shelter (more than 2 weeks)	60	60-82
<b>Special Needs Population</b>		
Risk Evacuation Shelter (0-72 hours)	60	60-82
Host Evacuation Shelter (0-72 hours)	60	60-82
Recovery/Short Term Shelter (72 hours - 2 weeks)	80	80-100
Long Term Shelter (more than 2 weeks)	100	100-120

**G.5 Plumbing and Sanitation**

It is essential that the EHPA remain a safe and sanitary environment. The plumbing and sanitary provisions of the EHPA criteria are primarily based upon the American Red Cross’s *Mass Care Standards and Indicators, Version 011-072209* (Mass Care Standards). Mass care Standards requires that emergency shelters, regardless of cause(s) necessitating their need, provide a minimum level of service.

In general, support systems for toilets, sinks and other essential water distribution and disposal systems are required to be capable of supplying water and containing waste for the design capacity of the EHPA. Plumbing and valve systems of toilets and sinks within the EHPA may be designed for conversion to emergency operation to meet the required demand. The method selected to achieve the required level of performance is at the discretion of the board, design professionals and emergency management agencies.

It should be noted that EHPA plumbing and sanitation design requirements should not be reduced for pre-designated SpNS facilities. SpNS client capacity is calculated based on 60 sq.ft. per client instead of the 20 sq.ft. used for the general population. This may give the appearance of a reduced design load for critical support systems. However, the 60 sq.ft. includes an allowance for care-givers and the additional medical service staff necessary for operating the shelter. Therefore the plumbing and sanitary systems must be designed to accommodate a loading condition similar to that found in general population shelters.

**G.5.1 Potable Water.** Neither the EHPA criteria nor Mass Care Standards specify a minimum potable water requirement. ICC 500 design standards require a minimum of one (1) gallon of potable water per person for all uses (i.e., drinking water, hygiene, food preparation, etc.) The Division doesn't recommend a potable water design of less than one (1) gallon (3.8 liters or 0.133 cubic feet) per person for all uses. A minimum of two quarts (1/2 gallon or 2 liters) per person should be for drinking water purposes. As an example, an EHPA with a design occupant capacity of 250 persons (includes both evacuees and management staff) will require a minimum of 250 gallons (950 liters or 33.3 cubic feet) of potable water. This is a relatively small quantity of water if it must be extended for more than 24 hours, so conservation measures are recommended (i.e., identify and provide access to sources for clean non-potable water for toilet flushing and certain other hygiene activities, etc.)

Both the shelter environment (temperature and humidity) and physical condition/health of evacuees (e.g., age, diet, medications, pregnancy/ nursing, etc.) can significantly affect drinking water needs. Table G-3 can be used as a guide to estimating minimum drinking water needs as shelter temperatures rise. A potable water design of 3 to 7 gallons per occupant per day may be more appropriate.

<b>Table G-3. Estimate of Minimum Daily Drinking Water Needs in Unconditioned Shelters</b>			
<b>Shelter's Daily Mean Temperature, °F</b>	<b>Daily Drinking Water Needs<sup>1</sup>, quarts (liters)</b>		
	<b>Normal Demand (normal activity or at rest)</b>	<b>Moderate Demand (moderate work load)</b>	<b>High Demand (hard work load)</b>
<b>70 °F</b>	2 (1.9)	3 (2.8)	5 (4.7)
<b>80 °F<sup>2</sup></b>	3.5 (3.3)	5 (4.7)	7.5 (7.1)
<b>90 °F<sup>3</sup></b>	6 (5.7)	8.5 (8.0)	11.5 (10.9)
<b>100 °F<sup>4</sup></b>	8.5 (8.0)	12 (11.4)	15 (14.2)

<sup>1</sup> - Source: *Medical Aspects of Harsh Environments, Volume 1*, 2001, Chapter 1 Introduction to Heat-related Problems in Military Operations, Figure 1-3  
<sup>2</sup> - Caution: 80 - 90°F Fatigue possible with prolonged exposure  
<sup>3</sup> - Extreme Caution: 90 - 105°F Heat exhaustion possible with prolonged exposure  
<sup>4</sup> - Danger: 105°F or higher; Heat stroke possible with prolonged exposure

The potable water can be provided by on-site wells or water treatment package plants, stored in a permanent flow-through tank, or less preferably, stored in temporary containers or bladders. Temporary systems will be infrequently used (possibly less than

once a year) they will require regular maintenance to ensure operational viability. Large volume tanks must also be monitored to assure sufficient chlorine residual. Systems that rely on pumps or other electro-mechanical equipment or devices will require a back-up power supply.

In some circumstances, an alternative to large volume tank storage, and its associated plumbing and valve systems, is on-demand delivery of potable water. If this approach is used, the EHPA will need a delivery and protected storage area for the bulk water. This approach has significant benefits and drawbacks. The benefits are minimal (or no) construction costs associated with this approach, and there are no recurring maintenance or contamination concerns. The drawbacks are logistical and financial: who is going to be responsible for ordering, receiving, distributing, paying for, and if necessary, disposing of the water in time of need? These issues are not show-stoppers, but require a written agreement to assure operational viability.

**G.5.2 Toilets and Sinks.** The EHPA criteria require one (1) toilet and one (1) sink per 40 occupants of design capacity. The toilets and sinks can be fixed units incorporated into the EHPA during design and construction, or less preferably portable/temporary toilets and hand washing facilities. The EHPA required toilets and sinks are not in addition to those required for normal school occupancy, and are to be included in the overall facility fixture count. Generally there are sufficient quantities of toilets and sinks required for normal school occupancy capacity to meet the EHPA requirement. The designer will need to consider placement of the fixtures such that the needs of both the normal school occupancy and the EHPA are served.

EHPA required toilets and sinks must be available (or reachable) from within the protected area, or must be available via a protected passageway that meets the EHPA criteria. Portable chemical toilets may also require separation from occupied spaces and circulation of fresh air. Also, consider how a portable toilet will be delivered, serviced and removed from the facility. This may require a larger door opening than normal and the use of removable door frame mullions.

For adults with certain access or functional needs, low-profile toilets, sinks and grab bars installed in elementary classroom water closets and toilet rooms may be inadequate. The Division recommends that the designer incorporate permanent or adaptive structural and fixture size elements that can safely and expediently accommodate adults with functional or access needs. The adult toilets may also be incorporated into the design by adding adult restrooms into EHPA floor plan.

The American Red Cross' *Mass Care Standards and Indicators* (Mass Care Standards) recommends that on average there be one toilet and hand washing sink per 20 persons.

**G.5.3 Showers.** Given that the EHPA criteria assume only an 8-hour occupancy, normal shower requirement can be relaxed. Therefore, showers are not an EHPA code requirement. However, boards and design professionals should consider that in a post-

hurricane recovery environment, Mass Care Standards normally require one (1) shower per 25 occupants.

**G.5.4 Wastewater.** The EHPA criteria require that the plumbing system be capable of containing (or otherwise disposing of) the wastewater generated by the design capacity occupant load. During the 2004 and 2005 hurricane seasons, about 30 percent of occupied hurricane evacuation shelters experienced wastewater/sewage back-up into the facility. It is critical that wastewater be prevented from backing up into the EHPA. This can be accomplished through installation of storage tanks, a wastewater treatment package plant, or other suitable measure.

For those facilities with an on-site wastewater lift station, the lift station reservoir can be sized to meet the storage requirement. The lift station reservoir must be set at a lower elevation than the EHPA to prevent back-up of wastewater into the shelter area. The lift station should also be equipped with a standby back-up power system to support drainage into the local utility system. As a contingency, the stored wastewater can be drained and properly disposed of by a mobile pump unit.

Instead of a tank, an alternative is to utilize the waste drain pipe as the storage container. In this method, the pipe is over-sized to accommodate the required volume of waste on the facility side of the back-flow preventer. Wastewater and sewage back-up is normally caused by continued disposal (or flushing) of wastewater into the drain pipe system after the utility side back-flow preventer has closed; the drain pipe has insufficient capacity for continued use. With an over-sized drain pipe, the waste is stored in the pipe until the utility system is restored. A drainage connection or fixture should be incorporated into the drain pipe to accommodate expedient drainage and proper disposal by a mobile pump unit.

The Division recommends that the wastewater system design be based upon a ratio of 1.5 gallons wastewater for every gallon of potable water. In addition to the basic potable water design volume, the 1.5:1 ratio provides extra capacity for solid materials and introduction of non-potable water into the system (e.g., toilet flushing). Thus, based upon a minimum recommended potable water load of 1 gallon per occupant, the minimum recommended wastewater capacity is 1.5 gallons (0.2 cubic feet) per occupant. The Division recommends that the reservoir capacity be based upon a 24-hour design occupant capacity instead of the 8-hour design capacity (i.e., 3 to 5 gallons per occupant instead of 1 gallon). As an example, an EHPA with a design occupant capacity of 250 persons (includes both evacuees and management staff) will require a minimum wastewater storage capacity of 1,250 gallons (166.7 cubic feet).

**G.5.5 Garbage Disposal.** The Division recommends that janitorial service areas be located within the EHPA, and provisions be considered for temporary storage or disposal of solid wastes and garbage. Mass Care Standards recommends one (1) 30 gallon waste receptacle/container with lid and trash bags for every 10 persons.

## **G.6 Electrical Standby and Emergency Power System**

Back-up and emergency power provisions are an important feature for hurricane evacuation shelters. Utility electrical power can be disrupted for a few hours to several days (or possibly weeks) following arrival of hurricane conditions. During a utility electrical power outage, EHPA's must remain a safe and sanitary environment. Life-safety systems must continue to function, minimal lighting must be provided to support safe movement, security and emergency egress needs, and adequate ventilation provided to maintain a habitable environment.

At a minimum, the EHPA criteria require installation of an standby electrical power system with an outlet for coupling to a back-up portable generator. The EHPA criteria do not require installation of a permanent electrical power generator, but rely on emergency battery power and "pre-wiring" the facility's electrical system to accept expeditious and safe installation of a compatible portable generator. Therefore, the minimum EHPA requirement relies upon on-demand delivery of a compatible electrical power generator. If the on-demand approach is used, the EHPA will need a protected storage area for the generator.

The on-demand approach has significant benefits and drawbacks. The benefits are reduced initial construction costs, minimal recurring maintenance expenses and no fuel-degradation concerns. The drawbacks are logistical and financial: who is going to be responsible for ordering, receiving, installing, maintaining, refueling, redeploying and paying for the generator in time of need? Very few, if any, boards or local government agencies possess an adequate quantity of compatible portable generators to meet EHPA requirements. Also, state and federal agencies do not normally deploy portable emergency power generators until at least 24 hours after impact by hurricane conditions, and in many cases it may be more than 72 hours. These issues are not show-stoppers, but require emergency power provisions be included in board and local facilities and emergency operations plans (and possibly a written agreement) to assure operational viability.

Boards and design professionals must note that state and local emergency management agencies are under no statutory or code obligation to provide portable emergency generator(s) for EHPA's. Boards and design professionals are responsible for developing an appropriate EHPA emergency power capability to maintain a safe and sanitary environment for at least the required 8-hour minimum design occupant capacity.

For facilities that are pre-designated to serve as SpNS facilities, the Division strongly recommends that the standby emergency power system be designed to accommodate additional branch circuits to support medical equipment, refrigeration of medical supplies and air-conditioning of client occupied areas. These special requirements may exceed basic EHPA design criteria, but post-construction retrofitting to accommodate these requirements is often difficult and costly. The Division strongly encourages the designer to coordinate with local emergency management and county health department staff when designing a facility that is pre-designated as a SpNS.



## **G.7 Emergency Management Considerations**

**G.7.1 Shelter Manager's Office.** The EHPA criteria require that an administrative office be identified for shelter management use and included within the EHPA. The office is required to have provisions for standby power, lighting, communications, main fire alarm control panel and storage for the manager's equipment. Communications may include both internal (within the EHPA) and external (to outside shelter support agencies) communications.

The EHPA criteria do not specify a minimum floor area requirement for shelter management needs. ARC 4496 recommends that shelter management functions be based upon a minimum of 40 square feet per staff person. Therefore, the Division recommends that the shelter manager's office be a minimum of 40 square feet of net floor area, and an additional 40 square feet per assistant manager(s), communications person(s) and equipment storage. As an example, assuming the shelter manager and assistant manager occupy a single office area with equipment storage, the shelter manager's office should have about 120 net square feet of floor area (i.e., 40 sq.ft. x 3 management functions = 120 sq.ft.) The communications person(s) may be located in adjacent spaces.

**G.7.2 Signage.** A sign with a floor plan drawing or image indicating the EHPA's location and perimeter boundaries or limits is required to be mounted in the shelter manager's office.

**G.7.3 Food Service.** The EHPA criteria states that "where feasible, include counter tops for food distribution functions in the EHPA's." Mass Care Standards requires that emergency shelters have a feeding area and a means of storing, preparing and distributing food (and concurrently drinking water). Ideally, for sanitation purposes, emergency managers and shelter support agencies prefer to have feeding-related areas separate from general population areas. However, to maximize utilization of the EHPA's floor area during hurricane conditions, this preference can be relaxed and feeding areas occupied by a shelter population.

Mass Care Standards normally requires 2,000 Calories per person per day (about three pounds of unprepared food). However, on a temporary basis, a hurricane evacuation shelter's feeding services can be relaxed. For design purposes, the EHPA planning assumption is 8-hours, or one-third (1/3) of a day. Therefore, at a minimum the Division recommends that boards and design professionals plan for distribution of about one-third of the ARC's daily requirement, or about 667 Calories (about one pound per person). This minimum feeding requirement can be met via "bag lunches" or heavy snacks. As an example, an EHPA with a design occupant capacity of 250 persons (includes both evacuees and management staff) should have a minimum of 250 pounds of food. Given that bag lunches and one-quart containers of bottled water can be distributed from a movable table (or straight out of bulk delivery boxes or containers), a fixed counter top may not be required; thus the "where feasible" preface in the code.

**G.7.4 Supplemental Space Allocations.** Ideally, in addition to shelter management space needs, adequate space should be set aside within the EHPA for registration, emergency medical care, safety and fire considerations, janitorial services and sanitation. For post-hurricane recovery shelter operations, Mass Care Standards also recommends addition of space for storage of bulk food and supplies, food preparation and feeding, separate rooms for general population, elderly and families with small children, sleeping areas, recreation, and possible storage of occupants’ belongings.

**G.7.5 Parking.** EHPA vehicle parking areas may be paved or unpaved, but must be located more than 50 feet from perimeter of the EHPA. This doesn’t apply to temporary emergency vehicles, occupant/client or supply drop-off parking that will be cleared out during hurricane conditions.

**G.8 Americans with Disabilities Act Shelter Requirements.** The Americans with Disabilities Act (ADA) requires that public shelters provide equal access and service to all persons. For guidance reviewing accessibility of existing facilities as emergency shelters please see Appendix L.

Additional guidance can be found in *Guidance on Planning for Integration of Functional Needs Support Services in General Population Shelters* (FEMA, November 2010), which can be found at the following web address:

[http://www.fema.gov/pdf/about/odc/fnss\\_guidance.pdf](http://www.fema.gov/pdf/about/odc/fnss_guidance.pdf)

**G.9 Comparison of Florida’s EHPA to the International Code Council’s ICC 500**  
 The ICC 500 was published in August, 2008 and updated October 2014. Florida’s EHPA code provisions were considered during preparation of ICC 500 so there are many design consistencies between them. However, the objective of the ICC storm shelter committee was to ensure a high-degree of safety and broader occupancy requirements. Therefore, wind design provisions are based on a near-ultimate hurricane event. Table G-4 provides a limited comparison of Florida’s EHPA criteria and ICC 500.

<b>Table G-4. Comparison of Florida Building Code’s Public Shelter Design Criteria (EHPA) and the International Code Council’s ICC 500 Hurricane Shelter Standard</b>		
<b>Design Criteria</b>	<b>2017 FBC—Building (5<sup>th</sup> Edition), EHPA</b>	<b>ICC 500—2014, Hurricane Provisions</b>
<i>2017 Florida Building Code-- Building References</i>	Section 453.25	Section 423
<b>Design Occupancy Period</b>	8 hours	24 hours
<b>Net Usable Floor Space per Occupant</b>	20 sq.ft. all adults and children five years or older	20 sq.ft. for standing, seated or wheelchair; 40 sq.ft. for bedridden

<b>Table G-4. Comparison of Florida Building Code's Public Shelter Design Criteria (EHPA) and the International Code Council's ICC 500 Hurricane Shelter Standard</b>		
<b>Design Criteria</b>	<b>2017 FBC—Building (5<sup>th</sup> Edition), EHPA</b>	<b>ICC 500—2014, Hurricane Provisions</b>
<b>Sanitary Facilities</b>	Toilets 1:40 Handwashing 1:40	Toilets 1:50 Handwashing 1:100
<b>Potable Water Capacity, minimum quantity</b>	No Capacity Given	1 Gallon per Occupant
<b>Waste Water Capacity, minimum quantity</b>	No Capacity Given	1.5 Gallons per Occupant
<b>Flood Design Criteria</b>	ASCE 7 and ASCE 24	ASCE 7, Section 5 and ASCE 24
<b>Storm Surge Flood Elevation (if applicable)</b>	EHPA must be located outside Category A, B and C evacuation zones.	No limitation on location inside a hurricane evacuation zone. Lowest shelter floor slab must be elevated above the maximum modeled hurricane category, including coastal wave effects (i.e., Category 5 hurricane for Florida).
<b>Inland Rainfall Flooding</b>	ASCE 24, Risk Category IV Classification. Floor slab of lowest finished floor must be elevated above base flood elevation (BFE) plus two (2) feet or local design flood elevation (DFE), whichever is higher.	Lowest floor slab of occupied shelter must be elevated to the higher of the following elevations at the site: 1) flood having 0.2% annual chance; 2) flood elevation of the highest recorded flood if no flood hazard study in the area; 3) hurricane storm surge/see design criteria above; 4) minimum flood elevation of the lowest floor required by the authority having jurisdiction; and, 5) two (2) feet above 1% annual chance.
<b>Rain Loads and Drainage</b>	FBC (100-year recurrence interval for both normal and emergency overflow; no additional rainfall rate capacity provided)	ICC 500, Section 303.1 (100-year recurrence interval plus 3 inches per hour normal drains, and 100-year plus 6 inches per hour for secondary/emergency overflow; ranges from total of 10.3 to 11 inch emergency overflow capacity for Florida)
<b>Hurricane Wind Load Design</b>	ICC 500	ASCE 7 with design wind speeds per ICC 500 Chapter 3
<b>Minimum Design Wind Speed</b>	ICC 500	ICC 500 Hurricane Wind Speed Map (10,000 year recurrence)

<b>Table G-4. Comparison of Florida Building Code's Public Shelter Design Criteria (EHPA) and the International Code Council's ICC 500 Hurricane Shelter Standard</b>		
<b>Design Criteria</b>	<b>2017 FBC—Building (5<sup>th</sup> Edition), EHPA</b>	<b>ICC 500—2014, Hurricane Provisions</b>
<b>Importance Factor, <i>I</i></b>	Not Applicable	Not Applicable
<b>Directionality Factor, <i>K<sub>d</sub></i></b>	ICC 500	1.00
<b>Optional Increase in Design Wind Speed</b>	Not Applicable	Not Applicable
<b>Exposure Classification</b>	ASCE 7	ASCE 7 Exposure C (Exposure B may be applied to MWFRS in certain situations)
<b>Enclosure Classification</b>	ASCE 7	ASCE 7 with largest door or window on each side individually considered an opening (breach)
<b>Load Combinations</b>	ASCE 7	ASCE 7 with ICC 500 Section 304 provisions
<b>Building Enclosure Missile Impact Criteria (all exterior surfaces)</b>	FBC	ASTM E 1886 and E 1996 with modifications (large missile: 9 lb 2x4 Vertical Surface=0.5*Design Wind Speed, and Horizontal Surface=0.1*Design Wind Speed)
<b>Impact Testing Procedures</b>	ASTM E-1886 and ASTM E-1996 or SBC/SSTD 12	ASTM E 1886 or E 1996 as modified by ICC 500 Chapter 8
<b>Weather Protection (rainwater intrusion)</b>	Exterior envelope and air intakes/vent assemblies must meet design wind loads; Roof covering to be specified and designed to meet wind uplift forces and meet ASTM and Factory Mutual Standards	All exterior components and cladding assemblies and roof coverings must be designed and installed to meet design wind loads
<b>Fire Separation</b>	Applicable Code	Applicable Code or 2-hour fire resistance rating of walls/assemblies, whichever is greater, that separate shelter areas from the host building
<b>Natural Ventilation</b>	S. 453.13.8.1, FBC—Building (5 % of internal floor area as net free open area equivalent in exterior walls of rooms on perimeter of building, with exceptions)	12 net sq.in. of vent area openings per occupant

<b>Table G-4. Comparison of Florida Building Code's Public Shelter Design Criteria (EHPA) and the International Code Council's ICC 500 Hurricane Shelter Standard</b>		
<b>Design Criteria</b>	<b>2017 FBC—Building (5<sup>th</sup> Edition), EHPA</b>	<b>ICC 500—2014, Hurricane Provisions</b>
<b>Mechanical Ventilation</b>	2 cfm per sq.ft. of EHPA floor area	Ventilation rate determined by applicable building code for normal use of space (typically 15 cfm per occupant)
<b>Emergency Lighting</b>	FBC	1 foot-candle (11 lux)
<b>Standby Lighting</b>	10 foot-candle (110 lux)	10 foot-candle (101 lux)
<b>Standby and Emergency Power System(s), minimum loads</b>	Required; minimum loads: emergency lighting, illuminated exit signs, fire protection, alarm and sprinkler systems, ventilation for health/safety purposes, and four (4) electrical receptacles in shelter manager's office	Required; minimum loads: critical branch lighting and life safety systems, and select HVAC circuits as required by authority having jurisdiction
<b>Standby Electric Power System, optional loads</b>	1. Remainder of the school's campus security lighting (building and site); 2. Additional ventilation circuits; 3. Intercom system; 4. Food storage equipment; 5. Additional electric receptacles; and 6. Additional non-life safety systems deemed necessary by local officials for health, welfare and safety of the public during occupancy	Not Applicable
<b>Permanently installed Standby Electric Generator</b>	Not Required	Not Required
<b>Special Inspections</b>	EHPA's are designated "threshold buildings" and subject to special structural and electrical inspections	Community shelters are subject special inspections and structural observations
<b>Peer Review</b>	Not Required	Construction documents for community shelters with design occupancies greater than 50 are subject to peer review

## **Appendix H**

Hurricane Evacuation Shelter Net Usability Multiplication Factor  
Estimates for Florida Department of Education Facilities

<b>Hurricane Evacuation Shelter Net Usability Multiplication Factor Estimates for Florida Department of Education Facilities</b>				
<b>Design Code Number</b>	<b>Design Description</b>	<b>Minimum Room sq.ft.</b>	<b>Normal sq.ft. per student</b>	<b>Net Usability Factor</b>
00001	Primary Classroom (K-3)	600	40	0.50
00002	Intermediate Class (4-8)	600	39	0.65
00003	Senior High Class (9-12)	600	32	0.65
00004	Intermediate Class	608	32	0.65
00005	Elementary Resource	416	32	0.65
00007	Elementary Foreign Language Lab	608	32	0.65
00008	Elementary Math Skills Lab	608	32	0.65
00009	Elementary Social Studies Lab	608	32	0.65
00010	Primary Skills Lab (K-3)	600	49	0.65
00011	Intermediate/Middle Skills Lab (4-8)	600	39	0.65
00012	Senior High Skills Lab (9-12)	600	32	0.65
00015	Elementary Open Plan Area	1,920	32	0.65
00021	Middle/Jr High Resource	416	32	0.65
00023	Middle/Jr High Foreign Lang Lab	608	32	0.65
00024	Middle/Jr High Math Skills Lab	608	32	0.65
00025	Middle/Jr High Social Studies Lab	608	32	0.65
00026	Middle/Jr High Lang Arts Lab	608	32	0.65
00029	Middle/Jr High Art Lab	630	42	0.50
00030	Primary Open Plan (K-3)	1,368	38	0.65
00031	Intermediate/Middle Open Plan (4-8)	1,408	32	0.65
00032	Senior High Open Plan (9-12)	1,600	27	0.65
00035	Senior High Class	513	27	0.65
00036	Senior High Resource	416	32	0.65
00038	Senior High Foreign Lang Lab	512	32	0.65
00039	Senior High Math Skills Lab	512	32	0.65
00040	Resource Room	290	29	0.65
00041	Senior High Lang Arts Lab	512	32	0.65
00047	Senior High Art Lab	530	53	0.50
00050	Art – Elementary	600	37	0.50
00051	Art – Middle	630	42	0.50
00052	Art – Senior High	530	53	0.50
00060	ESE Special Class (Part Time)	650	65	0.50
00061	ESE Part-time	600	65	0.50
00062	ESE Full-Time	600	95	0.50
00063	ESE Vocational	600	95	0.50
00064	ESE PT/OT Lab	600	0	0.50
00065	ESE Resource	290	95	0.50
00075	Vocal Music Class (Middle-Sr High)	513	57	0.65
00076	Band Class (Middle-Sr High)	1,200	35	0.65
00077	Orchestra Class (Middle-Sr High)	513	57	0.65
00078	General Music Class (Middle-Sr High)	518	37	0.65
00079	Guitar Lab (Middle-Sr High)	518	37	0.65
00110	PE Multipurpose Room (Middle-SrH)	800	0	0.85
00111	Jr High Gym	1	0	0.85
00112	Sr High Gym	1	0	0.85
00113	Gym Seating	1	0	0.85
00118	PE Wrestling Room	402	0	0.85
00119	PE Gymnastics & Dance	420	0	0.85
00340	Dining Area	1	0	0.65
00360	Auditorium	1	0	0.50
00361	Multipurpose Room (Dining)	1	0	0.65
00363	Stage	1	0	0.65
00370	Lobby	1	0	0.85
00700	Inside Circulation	1	0	0.85
00840	Vocational Related Classroom	256	32	0.65

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## **Appendix I**

Department of Education Memorandum on “Hurricane Shelters in New Educational Facilities,” dated October 31, 2001

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FLORIDA DEPARTMENT OF EDUCATION

CHARLIE CRIST  
COMMISSIONER

Wayne V. Pierson  
Deputy Commissioner for  
Planning, Budgeting and Management


CONTACT PERSON

NAME: Jon Hamrick  
PHONE: (850) 487-1130  
SUNCOM: 277-1130

October 31, 2001

DPBM No.: 02-42

MEMORANDUM

TO: District School Superintendents, Community College Presidents, and Educational Facilities Planners  
FROM: Wayne V. Pierson   
SUBJECT: Hurricane Shelters in New Educational Facilities

The Department of Education has again been asked to reiterate the requirement that all construction of new educational facilities, including appropriate core facility additions to existing buildings, incorporate enhanced hurricane protection areas in their design. Section 235.26(8)(a), F.S., states the following:

“A facility, or an appropriate core facility area within a facility, for which a design contract is entered into subsequent to the effective date of the inclusion of the public shelter criteria in the code must be built in compliance with the amended code unless the facility or a part thereof is exempted from using the new shelter criteria due to its location, size, or other characteristics by the applicable board with the concurrence of the applicable local emergency management agency or the Department of Community Affairs. Any educational facility located or proposed to be located in an identified category 1, 2, or 3 evacuation zone is not subject to the requirements of this subsection. If the regional planning council region in which the county is located does not have a hurricane evacuation shelter deficit, as determined by the Department of Community Affairs, school districts within the planning council region are not required to incorporate the public shelter criteria into their construction of educational facilities.”

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The State Requirements for Educational Facilities, Section 7(24)(a), and the Florida Building Code, Section 423(24)(a), provides:

“New educational facilities for school boards and community college boards, unless specifically exempted by the board with the written concurrence of the applicable local emergency management agency or the Department of Community Affairs (DCA), shall have appropriate core facility areas designed as Enhanced Hurricane Protection Areas (EHPAs) in compliance with this section.”

New educational facilities have been interpreted to mean “new construction,” as defined in Section 1.2(56), SREF, and Section 423(4)(h), Florida Building Code, which includes additions to existing buildings. There are three exceptions: 1) if the new work is specifically exempted in writing by the applicable local emergency management agency, 2) if the new building(s) or addition is located in a category 1, 2, or 3 evacuation zone, and 3) if the local regional planning council region does not have a shelter deficit. The exception for one shelter within a three-mile radius no longer exists.

It is imperative that shelter space be provided in all appropriate new educational facilities so that the deficit in shelter space can be eliminated. In this light, you are encouraged to work with your county emergency management office prior to or during the development of a project to identify appropriate shelter space. The additional cost directly associated to the Enhanced Hurricane Protection Area (EHPA) is deducted from the total construction cost when applying for a SIT award.

Please note that the October 2001 Audit Report Number 02-055 for Hurricane Shelters and Grant Management for the Department of Community Affairs has identified a lapse in enforcement of the shelter criteria by school districts and community colleges. Of the 164 constructed or newly planned facilities examined by the auditor, one-third did not comply with the required shelter requirements.

WVP/jhi



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**The 2001 Florida Statutes**

[Title XVI](#)                      [Chapter 235](#)                      [View Entire Chapter](#)  
 Education                      Educational Facilities

**235.26 State uniform building code for public educational facilities construction.--**

(1) UNIFORM BUILDING CODE.--By July 1, 2001, a uniform statewide building code for the planning and construction of public educational and ancillary plants by district school boards and community college district boards of trustees shall be adopted by the Florida Building Commission within the Florida Building Code, pursuant to s. 553.73. Included in this code must be flood plain management criteria in compliance with the rules and regulations in 44 C.F.R. parts 59 and 60, and subsequent revisions thereto which are adopted by the Federal Emergency Management Agency. It is also the responsibility of the department to develop, as a part of the uniform building code, standards relating to:

- (a) Prefabricated facilities or factory-built facilities that are designed to be portable, relocatable, demountable, or reconstructible; are used primarily as classrooms; and do not fall under the provisions of ss. 320.822-320.862. Such standards must permit boards to contract with the Department of Community Affairs for factory inspections by certified building code inspectors to certify conformance with applicable law and rules. The standards must comply with the requirements of s. 235.061 for relocatable facilities intended for long-term use as classroom space, and the relocatable facilities shall be designed subject to missile impact criteria of s. 423(24)(d)(1) of the Florida Building Code when located in the windborne debris region.
- (b) The sanitation of educational and ancillary plants and the health of occupants of educational and ancillary plants.
- (c) The safety of occupants of educational and ancillary plants as provided in s. 235.06, except that the firesafety criteria shall be established by the State Fire Marshal in cooperation with the Florida Building Commission and the department and such firesafety requirements must be incorporated into the Florida Fire Prevention Code.
- (d) Accessibility for children, notwithstanding the provisions of s. 553.512.
- (e) The performance of life-cycle cost analyses on alternative architectural and engineering designs to evaluate their energy efficiencies.
  1. The life-cycle cost analysis must consist of the sum of:
    - a. The reasonably expected fuel costs over the life of the building which are required to maintain illumination, water heating, temperature, humidity, ventilation, and all other energy-consuming equipment in a facility; and
    - b. The reasonable costs of probable maintenance, including labor and materials, and operation of the building.
  2. For computation of the life-cycle costs, the department shall develop standards that must include, but need not be limited to:
    - a. The orientation and integration of the facility with respect to its physical site.
    - b. The amount and type of glass employed in the facility and the directions of exposure.



- c. The effect of insulation incorporated into the facility design and the effect on solar utilization of the properties of external surfaces.
  - d. The variable occupancy and operating conditions of the facility and subportions of the facility.
  - e. An energy-consumption analysis of the major equipment of the facility's heating, ventilating, and cooling system; lighting system; and hot water system and all other major energy-consuming equipment and systems as appropriate.
3. Life-cycle cost criteria published by the Department of Education for use in evaluating projects.
  4. Standards for construction materials and systems based on life-cycle costs that consider initial costs, maintenance costs, custodial costs, operating costs, and life expectancy. The standards may include multiple acceptable materials. It is the intent of the Legislature to require district school boards to comply with these standards when expending funds from the Public Education Capital Outlay and Debt Service Trust Fund or the School District and Community College District Capital Outlay and Debt Service Trust Fund and to prohibit district school boards from expending local capital outlay revenues for any project that includes materials or systems that do not comply with these standards, unless the district school board submits evidence that alternative materials or systems meet or exceed standards developed by the department.

It is not a purpose of the Florida Building Code to inhibit the use of new materials or innovative techniques; nor may it specify or prohibit materials by brand names. The code must be flexible enough to cover all phases of construction so as to afford reasonable protection for the public safety, health, and general welfare. The department may secure the service of other state agencies or such other assistance as it finds desirable in recommending to the Florida Building Commission revisions to the code.

(2) CONFORMITY TO FLORIDA BUILDING CODE AND FLORIDA FIRE PREVENTION STANDARDS REQUIRED FOR APPROVAL.--

(a) Except as otherwise provided in paragraph (b), all public educational and ancillary plants constructed by a district school board or a community college district board of trustees must conform to the Florida Building Code and the Florida Fire Prevention Code, and such plants are exempt from all other state building codes; county, municipal, or other local amendments to the Florida Building Code and local amendments to the Florida Fire Prevention Code; building permits, and assessments of fees for building permits, except as provided in s. 553.80; ordinances; road closures; and impact fees or service availability fees. Any inspection by local or state government must be based on the Florida Building Code and the Florida Fire Prevention Code. Each board shall provide for periodic inspection of the proposed educational plant during each phase of construction to determine compliance with the state requirements for educational facilities.

(b) A district school board or community college district board of trustees may conform with the Florida Building Code and the Florida Fire Prevention Code and the administration of such codes when constructing ancillary plants that are not attached to educational facilities, if those plants conform to the space size requirements established in the codes.

(c) A district school board or community college district board of trustees may not approve any plans for the construction, renovation, remodeling, or demolition of any educational or ancillary plants unless these plans conform to the requirements of the Florida Building Code and the Florida Fire Prevention Code. Each district school board and community college district board of trustees may adopt policies for delegating to the superintendent or community college president authority for submitting documents to the department and for awarding contracts subsequent to and consistent with board approval of the scope, timeframes, funding source, and budget of a survey-recommended project.

(3) ENFORCEMENT BY BOARD.--It is the responsibility of each district school board and community college district board of trustees to ensure that all plans and educational and ancillary plants meet the standards of the Florida Building Code and the Florida Fire Prevention Code and to provide for the enforcement of these codes in the areas of its jurisdiction. Each board shall provide for the proper supervision and inspection of the work. Each board may employ a chief building official or inspector and such other inspectors, who have been certified pursuant to chapter 468,



and such personnel as are necessary to administer and enforce the provisions of this code. Boards may also utilize local building department inspectors who are certified by the department to enforce this code. Plans or facilities that fail to meet the standards of the Florida Building Code or the Florida Fire Prevention Code may not be approved. When planning for and constructing an educational, auxiliary, or ancillary facility, a district school board must use construction materials and systems that meet standards adopted pursuant to subparagraphs (1)(e)3. and 4. If the planned or actual construction of a facility deviates from the adopted standards, the district school board must, at a public hearing, quantify and compare the costs of constructing the facility with the proposed deviations and in compliance with the adopted standards and the Florida Building Code. The board must explain the reason for the proposed deviations and compare how the total construction costs and projected life-cycle costs of the facility or component system of the facility would be affected by implementing the proposed deviations rather than using materials and systems that meet the adopted standards. The provisions of this subsection do apply to educational, auxiliary, and ancillary facility projects commenced on or after July 1, 1999.

(4) ENFORCEMENT BY DEPARTMENT.--As a further means of ensuring that all educational and ancillary facilities hereafter constructed or materially altered or added to conform to the Florida Building Code standards or Florida Fire Prevention Code standards, each district school board and community college district board of trustees that undertakes the construction, renovation, remodeling, purchasing, or lease-purchase of any educational plant or ancillary facility, the cost of which exceeds \$200,000, may submit plans to the department for approval.

(5) APPROVAL.--

(a) Before a contract has been let for the construction, the department, the board, or the board's authorized review agent must approve the phase III construction documents. A board may reuse prototype plans on another site, provided the facilities list and phase III construction documents have been updated for the new site and for compliance with the Florida Building Code and the Florida Fire Prevention Code and any laws relating to firesafety, health and sanitation, casualty safety, and requirements for the physically handicapped which are in effect at the time a construction contract is to be awarded.

(b) In reviewing plans for approval, the department, the board, or its review agent as authorized in s. 235.017, shall take into consideration:

1. The need for the new facility.
2. The educational and ancillary plant planning.
3. The architectural and engineering planning.
4. The location on the site.
5. Plans for future expansion.
6. The type of construction.
7. Sanitary provisions.
8. Conformity to Florida Building Code standards.
9. The structural design and strength of materials proposed to be used.
10. The mechanical design of any heating, air-conditioning, plumbing, or ventilating system. Typical heating, ventilating, and air-conditioning systems preapproved by the department for specific applications may be used in the design of educational facilities.
11. The electrical design of educational plants.
12. The energy efficiency and conservation of the design.
13. Life-cycle cost considerations.



14. The design to accommodate physically handicapped persons.
15. The ratio of net to gross square footage.
16. The proposed construction cost per gross square foot.
17. Conformity with the Florida Fire Prevention Code.

(c) The board may not occupy a facility until the project has been inspected to verify compliance with statutes, rules, and codes affecting the health and safety of the occupants. Verification of compliance with rules, statutes, and codes for nonoccupancy projects such as roofing, paving, site improvements, or replacement of equipment may be certified by the architect or engineer of record and verification of compliance for other projects may be made by an inspector certified by the department or certified pursuant to chapter 468 who is not the architect or engineer of record. The board shall maintain a record of the project's completion and permanent archive of phase III construction documents, including any addenda and change orders to the project. The boards shall provide project data to the department, as requested, for purposes and reports needed by the Legislature.

(6) REVIEW PROCEDURE.--The Commissioner of Education shall cooperate with the Florida Building Commission in addressing all questions, disputes, or interpretations involving the provisions of the Florida Building Code which govern the construction of public educational and ancillary facilities, and any objections to decisions made by the inspectors or the department must be submitted in writing.

(7) BIENNIAL REVIEW AND UPDATE; DISSEMINATION.--The department shall biennially review and recommend to the Florida Building Commission updates and revisions to the provisions of the Florida Building Code which govern the construction of public educational and ancillary facilities. The department shall publish and make available to each district school board and community college district board of trustees at no cost copies of the state requirements for educational facilities and each amendment and revision thereto. The department shall make additional copies available to all interested persons at a price sufficient to recover costs.

(8) EDUCATION FACILITIES AS EMERGENCY SHELTERS.--

(a) The Department of Education shall, in consultation with boards and county and state emergency management offices, include within the standards to be developed under subsection (1) public shelter design criteria that shall be incorporated into the Florida Building Code. The new criteria must be designed to ensure that appropriate core facility areas in new educational facilities can serve as public shelters for emergency management purposes. A facility, or an appropriate core facility area within a facility, for which a design contract is entered into subsequent to the effective date of the inclusion of the public shelter criteria in the code must be built in compliance with the amended code unless the facility or a part thereof is exempted from using the new shelter criteria due to its location, size, or other characteristics by the applicable board with the concurrence of the applicable local emergency management agency or the Department of Community Affairs. Any educational facility located or proposed to be located in an identified category 1, 2, or 3 evacuation zone is not subject to the requirements of this subsection. If the regional planning council region in which the county is located does not have a hurricane evacuation shelter deficit, as determined by the Department of Community Affairs, school districts within the planning council region are not required to incorporate the public shelter criteria into their construction of educational facilities.

(b) By January 31, 1996, and by January 31 every even-numbered year thereafter, the Department of Community Affairs shall prepare and submit a statewide emergency shelter plan to the Governor and the Cabinet for approval. The plan must identify the general location and square footage of existing shelters, by regional planning council region, and the general location and square footage of needed shelters, by regional planning council region, in the next 5 years. Such plan must identify the types of public facilities which should be constructed to comply with emergency shelter criteria and must recommend an appropriate, adequate, and dedicated source of funding for the additional cost of constructing emergency shelters within these public facilities. After the approval of the plan, a board may not be required to build more emergency shelter space than identified as needed in the plan, and decisions pertaining to exemptions pursuant to paragraph (a) must be guided by the plan.



(9) LOCAL LEGISLATION PROHIBITED.--After June 30, 1985, pursuant to s. 11(a)(21), Art. III of the State Constitution, there shall not be enacted any special act or general law of local application which proposes to amend, alter, or contravene any provisions of the State Building Code adopted under the authority of this section.

**History.**--s. 926, ch. 19355, 1939; CGL 1940 Supp. 892(312); s. 12, ch. 29754, 1955; s. 10, ch. 59-371; s. 117, ch. 65-239; s. 1, ch. 67-106; ss. 15, 18, 19, 35, ch. 69-106; s. 1, ch. 69-300; s. 1, ch. 70-196; s. 6, ch. 70-399; s. 9, ch. 74-374; s. 1, ch. 77-280; s. 15, ch. 77-458; s. 1, ch. 78-290; s. 1, ch. 79-71; s. 103, ch. 79-400; s. 9, ch. 80-414; ss. 27, 50, 52, ch. 81-223; ss. 10, 14, ch. 82-240; s. 1, ch. 83-163; s. 3, ch. 83-224; s. 1, ch. 84-349; ss. 16, 26, 27, ch. 85-116; ss. 1, 4, ch. 86-1; s. 1, ch. 88-202; s. 5, ch. 89-226; s. 15, ch. 89-278; s. 13, ch. 90-172; s. 11, ch. 90-241; s. 55, ch. 90-288; s. 2, ch. 90-320; s. 169, ch. 92-279; s. 55, ch. 92-326; s. 6, ch. 93-211; s. 6, ch. 94-292; ss. 18, 35, ch. 95-269; ss. 6, 11, ch. 95-341; s. 145, ch. 97-190; s. 6, ch. 97-265; s. 30, ch. 97-384; s. 16, ch. 99-329; s. 2, ch. 2000-140; s. 11, ch. 2000-141; s. 20, ch. 2001-61; s. 34, ch. 2001-186.

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## **Appendix J**

Hurricane Evacuation Shelter Demand Study Table

2018 Statewide Emergency Shelter Plan: Hurricane Shelter Demand Table - Appendix J (1)											
County	RPC Region	2018				2023					
		Estimated Population	2018 Estimated Vulnerable Population	Estimated General Population Shelter Demand (w/o PSN)	2018 Estimated PSN Shelter Demand	2018 Estimated Total Shelter Demand	2023 Estimated Population	2023 Estimated Vulnerable Population	Estimated General Population Shelter Demand (w/o PSN)	2023 Estimated PSN Shelter Demand	2023 Estimated Total Shelter Demand
Bay	1	178,820	122,274	6,443	1,712	8,155	181,247	129,032	6,533	1,736	8,269
Escambia*	1	313,381	138,463	10,680	500	11,180	314,717	140,830	10,830	507	11,337
Holmes	1	20,210	8,664	991	121	1,112	20,516	8,881	1,005	123	1,128
Okaloosa*	1	195,488	120,944	5,927	100	6,027	200,631	125,065	6,010	101	6,111
Santa Rosa*	1	170,835	97,159	5,875	150	6,025	174,030	106,739	5,957	152	6,109
Walton*	1	65,301	64,236	1,807	150	1,957	69,414	71,866	1,832	152	1,984
Washington	1	24,985	11,887	1,530	166	1,696	26,237	12,492	1,551	168	1,720
Calhoun	2	15,001	7,029	1,019	91	1,110	15,055	7,330	1,032	92	1,124
Franklin	2	11,933	10,726	319	214	533	11,967	10,730	325	218	544
Gadsden	2	48,263	23,403	3,272	632	3,904	49,216	23,833	3,360	649	4,009
Gulf	2	16,297	11,565	532	208	740	16,870	11,650	542	212	753
Jackson	2	50,418	20,384	1,757	143	1,900	50,764	20,456	1,769	144	1,913
Jefferson	2	14,611	7,955	664	278	942	15,012	8,233	687	288	975
Leon / (incl: Wakulla, & Franklin)	2	287,899	101,878	3,987	600	4,587	298,269	106,679	3,994	612	4,606
Liberty	2	8,719	4,576	467	275	742	9,208	4,863	495	292	787
Wakulla*	2	31,165	26,157	844	100	944	33,864	28,376	886	105	991
Alachua*	3	260,003	86,279	11,864	1,200	13,064	265,608	90,633	11,923	1,206	13,129
Bradford	3	27,642	12,579	1,287	167	1,454	28,446	12,927	1,304	169	1,473
Columbia	3	68,943	37,090	4,661	438	5,099	72,045	39,565	4,716	443	5,159
Dixie	3	16,726	14,239	1,832	142	1,974	17,528	15,091	1,850	143	1,994
Gilchrist	3	17,224	11,140	1,123	76	1,199	17,790	11,899	1,131	77	1,207
Hamilton	3	14,663	7,637	1,038	76	1,114	15,042	7,880	1,048	77	1,125
Lafayette	3	8,479	3,989	609	13	622	9,158	4,187	611	13	624
Levy	3	41,015	31,519	4,184	19	4,203	43,676	33,469	4,203	19	4,222
Madison	3	19,377	9,863	1,259	67	1,326	19,487	9,911	1,268	67	1,335
Marion*	3	349,267	152,006	18,166	1,000	19,166	375,339	167,040	18,257	1,005	19,262
Suwannee	3	44,690	27,798	3,872	92	3,964	46,497	29,656	3,885	92	3,977
Taylor	3	22,295	13,904	1,713	63	1,776	23,566	14,261	1,721	63	1,784
Union	3	15,947	6,354	708	43	751	16,389	6,631	713	43	756

**2018 Statewide Emergency Shelter Plan: Hurricane Shelter Demand Table - Appendix J (2)**

County	RPC Region	2018				2023					
		Estimated Population	2018 Estimated Vulnerable Population	Estimated General Population Shelter Demand (w/o PSN)	2018 Estimated PSN Shelter Demand	2018 Estimated Total Shelter Demand	2023 Estimated Population	2023 Estimated Vulnerable Population	Estimated General Population Shelter Demand (w/o PSN)	2023 Estimated PSN Shelter Demand	2023 Estimated Total Shelter Demand
Baker	4	27,191	15,824	2,618	79	2,697	29,326	17,035	2,631	79	2,710
Clay*	4	202,150	12,646	11,281	250	11,531	224,587	141,034	11,326	251	11,577
Duval	4	936,811	608,903	40,802	4,262	45,064	945,922	636,499	41,088	4,292	45,379
Flagler	4	105,157	65,532	6,227	328	6,555	122,132	78,083	6,258	400	6,658
Nassau	4	80,456	69,283	5,318	208	5,526	84,516	74,015	5,334	209	5,543
Putnam*	4	73,176	50,577	4,748	100	4,848	73,462	51,162	4,748	100	4,848
St. Johns	4	229,715	171,515	11,325	515	11,840	243,841	198,527	11,359	517	11,876
Brevard	5	575,211	436,050	31,469	2,090	33,559	584,509	448,228	31,563	2,096	33,660
Lake	5	331,724	157,337	24,960	1,414	26,374	358,674	173,328	25,334	1,435	26,770
Orange	5	1,313,880	322,349	27,952	3,800	31,752	1,408,052	348,911	28,184	3,832	32,016
Osceola	5	337,614	102,722	10,151	660	10,811	384,434	113,397	10,202	663	10,865
Seminole	5	454,757	114,342	11,445	750	12,195	471,638	118,873	11,466	751	12,217
Sumter	5	120,700	46,236	9,786	32	9,818	141,440	55,143	9,818	32	9,850
Volusia	5	523,405	378,448	39,238	363	39,601	530,518	392,058	39,485	365	39,850
DeSoto*	6	35,141	17,444	3,159	120	3,279	35,621	17,872	3,244	123	3,368
Hardee*	6	27,426	11,424	2,167	36	2,203	27,872	11,654	2,210	37	2,247
Highlands	6	102,138	40,655	11,553	285	11,838	105,751	42,879	11,634	287	11,921
Okeechobee	6	41,140	38,562	7,342	1,273	8,615	41,989	40,177	7,584	1,315	8,899
Polk	6	661,645	249,671	42,257	3,246	45,503	680,880	272,882	42,806	3,288	46,095

**2018 Statewide Emergency Shelter Plan: Hurricane Shelter Demand Table - Appendix J (3)**

County	RPC Region	2018 Estimated Population	2018 Estimated Vulnerable Population	2018 Estimated General Population Shelter Demand (w/o PSN)	2018 Estimated PSN Shelter Demand	2018 Estimated Total Shelter Demand	2023 Estimated Population	2023 Estimated Vulnerable Population	2023 Estimated General Population Shelter Demand (w/o PSN)	2023 Estimated PSN Shelter Demand	2023 Estimated Total Shelter Demand
Citrus	7	143,281	93,622	13,314	60	13,374	150,923	100,388	13,374	60	13,434
Hernando	7	181,882	114,021	11,565	44	11,609	194,926	125,653	11,609	44	11,653
Hillsborough*	7	1,379,302	656,691	52,316	2,927	55,243	1,463,205	708,670	52,515	2,938	55,453
Manatee*	7	375,888	290,557	24,200	600	24,800	403,100	311,591	25,981	700	26,681
Pasco	7	505,709	300,864	31,294	966	32,260	589,336	324,138	31,569	975	32,544
Pineillas*	7	962,003	648,427	42,178	4,000	46,178	970,354	680,020	42,621	4,042	46,663
Charlotte	8	172,270	170,253	12,089	1,277	13,366	174,224	183,937	12,180	1,287	13,466
Collier	8	357,470	365,673	29,964	2,011	31,975	376,142	425,928	30,129	2,022	32,151
Glades	8	13,087	9,813	1,594	19	1,613	13,580	10,018	1,597	19	1,616
Hendry	8	39,057	24,618	3,285	204	3,489	39,307	24,775	3,312	206	3,518
Lee*	9	698,468	714,097	71,410	3,285	74,695	762,808	814,330	71,681	3,297	74,979
Sarasota	8	407,260	337,559	29,826	1,900	31,726	415,885	342,963	30,088	1,917	32,005
Indian River	9	148,962	70,044	5,805	501	6,306	154,480	74,518	5,950	514	6,464
Martin	9	153,022	82,900	5,331	400	5,731	157,339	89,956	5,448	409	5,857
Palm Beach	9	1,414,144	478,192	29,754	2,520	32,274	1,463,928	498,017	30,111	2,550	32,661
St. Lucie	9	297,634	114,025	7,833	2,851	10,684	347,558	125,649	8,029	2,922	10,951
Broward	10	1,873,970	614,111	28,299	1,277	29,576	1,891,345	636,082	28,356	1,280	29,635
Miami-Dade	10	2,741,869	2,069,194	97,855	2,717	100,572	2,796,775	2,110,629	98,149	2,725	100,874
Monroe*	10	76,889	79,147	2,590	461	3,051	81,971	81,972	2,593	462	3,055
<b>TOTALS:</b>		<b>20,481,201</b>	<b>11,335,025</b>	<b>902,730</b>	<b>56,667</b>	<b>959,397</b>	<b>21,379,938</b>	<b>12,161,196</b>	<b>911,006</b>	<b>57,411</b>	<b>968,418</b>

## **Appendix K**

Guidance for Selection of Impact Resistant Constructed Wall and Roof Assemblies

## **K.0 Structural Missile Impact Criteria**

The public shelter design criteria, which are also known as the EHPA criteria, require that exterior walls and roofs prevent perforation or penetration by windborne debris. Laboratory testing is the primary means of determining if a specific assembly (i.e., exterior and interior surface cladding, structural components and configurations, material properties, connections, etc.) is capable of satisfying the applicable performance criteria. Certain types of commonly used non-proprietary materials and constructed assemblies have been demonstrated through laboratory testing to satisfy the required debris impact performance criteria. Constructed assemblies that are approved for use without further testing by the authority having jurisdiction are commonly referred to as “deemed to comply.” The deemed to comply method is recognized in section 1626.4, *Florida Building Code—Building*. Appendix K provides information for constructed wall and roof assemblies that have been tested and satisfy applicable large missile impact criteria.

### **K.1 Methodology**

To begin the assembly selection process, determine the design wind speed of the EHPA. Higher design wind speeds impart higher velocities to entrained debris. Higher wind velocities can also lift and accelerate larger and heavier debris objects, as well as extend the distance downwind that an object can travel. As a planning guide, unanchored, inadequately anchored or poorly constructed large debris can be generated from sources within a distance of about 300 feet of proposed or constructed EHPA(s). Smaller debris down to the size of gravel can be generated from sources out to a range of possibly 1,500 feet. Research considered by the ICC storm shelter standard committee indicates that objects lifted by wind forces undergo rapid acceleration and achieve velocities of between 40 and 80 percent of the entraining wind field’s velocity. For vertical surfaces ICC 500 uses 50 percent of the design wind speed. The percentage of wind speed is reduced to only 10 percent for horizontal surfaces.

The industry-recognized straight wind (which include hurricane) large missile that is used for impact testing is a nine pound sawn lumber 2x4 (9 lb 2x4). The 9 lb 2x4 large missile is also the missile required to satisfy ICC 500.

Debris impact testing of wall and roof assemblies has generally been conducted using a limited number of specified conditions (e.g., 9 and 15 lb 2x4s propelled at 34, 50 or 55, 75 and 100 miles per hour). Many of the more robust materials and assemblies, such as reinforced concrete and solid-grouted masonry, have satisfied test requirements that are significantly more demanding than typical ASTM E-1996 or SSTD 12 tested assemblies. To make use of existing impact test results a conversion method is helpful.

Current research indicates that an object's impact momentum, and not energy, provides the best correlation of test performance of a specified assembly when comparing missiles of different weights and velocities. Calculating the momentum associated with a published sample's impact test conditions permits the data to be converted to the industry standard straight wind 9 lb 2x4 missile. Impact momentum is calculated as follows: missile mass [weight (lb) / acceleration of gravity (32.2 ft/sec<sup>2</sup>)] x missile velocity (ft/sec) = momentum (lb-sec); or:

$$\text{Momentum} = (W/g) \times v$$

In addition to momentum values, Tables K-1 and K-2 provide corresponding impact energy values to assist with conversion when momentum is not calculated but impact energy of a test is shown.

The following reference data sources are useful in selection of exterior envelope assemblies:

1. Florida Department of Education's list of approved roof decks can be found at the following web address (Memorandum, July 2016, *Roof Decks on Public Hurricane Shelters*): <http://www.fldoe.org/core/fileparse.php/7735/urlt/0075365-roofdecksmemo.pdf>
2. *Large Wind Missile Impact Performance of Public and Commercial Building Assemblies*, Florida Agricultural and Mechanical University-Florida State University (FAMU-FSU) in cooperation with the University of Florida (UF), 2004
3. *Summary Report on Debris Impact Testing at Texas Tech University*, Texas Tech University (TTU), 2003
4. *A Summary Report on Debris Impact Resistance of Building Assemblies*, NIST/TTU Cooperative Agreement, Windstorm Mitigation Initiative, 2006
5. *Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms* (FEMA P-361), Federal Emergency Management Agency, 2015

Tables K-1 and K-2 provide large missile impact test property information for exterior envelope vertical and horizontal surfaces. Exterior envelope surfaces that are inclined less than 30 degrees from horizontal are considered horizontal surfaces. The level of protection columns refer to type of performance expectation: ASTM Levels D (9 lb 2x4 @ 34 mph) and E (9 lb 2x4 @ 55 mph) are both of lower performance than ICC 500, and ICC 500 protection which begins with ICC 500 design wind speed of 160 mph and increases accordingly.

Table K-1. Windborne Debris Impact Criteria Comparisons for Vertical Surfaces

Level of Protection, Vertical Surface	Hurricane Design Wind Speed, mph (3-sec gust)	Missile Weight, lbs	Missile Velocity, mph	Missile Velocity, ft/sec	Energy, ft-lb	Momentum, lb-sec
Enhanced-D <sup>2</sup>	68 <sup>1</sup>	9	34	50	349	14
Enhanced-E <sup>2</sup>	110	9	55	80	910	22
ICC 500	160	9	80	117	1,925	32.8
ICC 500	165	9	83	121	2,047	33.8
ICC 500	170	9	85	125	2,173	34.9
ICC 500	175	9	88	128	2,303	35.9
ICC 500	180	9	90	132	2,436	36.9
ICC 500	185	9	93	136	2,573	37.9
ICC 500	190	9	95	139	2,714	39.0
ICC 500	195	9	98	143	2,859	40.0
ICC 500	200	9	100	147	3,008	41.0
ICC 500	205	9	103	150	3,160	42.0
ICC 500	210	9	105	154	3,316	43.1
ICC 500	215	9	108	158	3,476	44.1
ICC 500	220	9	110	161	3,639	45.1
ICC 500	225	9	113	165	3,806	46.1

<sup>1</sup> – Denotes tropical storm intensity wind speed.

<sup>2</sup> – ASTM E1996 Enhanced Impact.



Table K-2. Windborne Debris Impact Criteria Comparisons for Horizontal Surfaces

Level of Protection, Horizontal Surface	Hurricane Design Wind Speed, mph (3-sec gust)	Missile Weight, lbs	Missile Velocity, mph	Missile Velocity, ft/sec	Energy, ft-lb	Momentum, lb-sec
Enhanced-D <sup>2</sup>	68 <sup>1</sup>	9	34	50	349	14
Enhanced-E <sup>2</sup>	110	9	55	80	910	22
ICC 500	160	9	16	23.5	77	6.6
ICC 500	165	9	17	24.2	82	6.8
ICC 500	170	9	17	24.9	87	7.0
ICC 500	175	9	18	25.7	92	7.2
ICC 500	180	9	18	26.4	97	7.4
ICC 500	185	9	19	27.1	103	7.6
ICC 500	190	9	19	27.9	109	7.8
ICC 500	195	9	20	28.6	114	8.0
ICC 500	200	9	20	29.3	120	8.2
ICC 500	205	9	21	30.1	126	8.4
ICC 500	210	9	21	30.8	133	8.6
ICC 500	215	9	22	31.5	139	8.8
ICC 500	220	9	22	32.3	146	9.0
ICC 500	225	9	23	33.0	152	9.2

<sup>1</sup> – Denotes tropical storm intensity wind speed.

<sup>2</sup> – ASTM E1996 Enhanced Impact.

## **Appendix L, Part 1**

ADA Checklist for Existing Facilities (2016)

Additional Excerpts from the U.S. Department of Justice  
Checklist for Emergency Shelters (2007)

## **ADA Checklist for Existing Facilities**

Priority 1 – Approach and Entrance

Priority 2 – Access to Goods and Services

Priority 3 – Toilet Rooms

Priority 4 – Additional Access



# ADA Checklist for Existing Facilities

Based on the 2010 ADA Standards for Accessible Design



Produced by  
**Institute for Human Centered Design**  
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**ADA National Network**  
[www.ADAta.org](http://www.ADAta.org)

Questions on the ADA 800-949-4232 voice/tty  
Questions on checklist 617-695-0085 voice/tty  
[ADAinfo@NewEnglandADA.org](mailto:ADAinfo@NewEnglandADA.org)

This checklist was produced by the New England ADA Center, a project of the Institute for Human Centered Design and a member of the ADA National Network. This checklist was developed under a grant from the Department of Education, NIDRR grant number H133A060092-09A. However the contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Federal Government.

Questions or comments on the checklist contact the New England ADA Center at 617-695-0085 voice/tty or [ADAinfo@NewEnglandADA.org](mailto:ADAinfo@NewEnglandADA.org)

For the full set of checklists, including the checklists for recreation facilities visit [www.ADAchecklist.org](http://www.ADAchecklist.org).

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# ADA Checklist for Existing Facilities

The Americans with Disabilities Act (ADA) requires state and local governments, businesses and non-profit organizations to provide goods, services and programs to people with disabilities on an equal basis with the rest of the public.

Some people think that only new construction and alterations need to be accessible and that older facilities are “grandfathered,” but that’s not true. Because the ADA is a civil rights law and not a building code, older facilities are often required to be accessible to ensure that people with disabilities have an equal opportunity to participate.

The ADA has different requirements for state and local governments and for places of public accommodation (businesses and non-profit organizations that serve the public).

## Requirements for State and Local Governments

State and local governments must ensure that services, programs and activities, when viewed in their entirety, are accessible to people with disabilities. This is part of public entities’ program accessibility obligations. Alterations to older buildings may be needed to ensure program accessibility. Generally this is a greater obligation than “readily achievable barrier removal” the standard that applies to public accommodations. State and local governments are not required to take any action that would result in undue financial and administrative burdens.

State and local governments’ ADA obligations for program accessibility are in the Department of Justice’s ADA Title II regulations 28 CFR Part 35.150.

## How to Use this Checklist

### Get Organized

One person can conduct a survey, but it’s easier with two people. One person can take measurements and the other person can fill out the checklist and take photos.

### Obtain Floor Plan or Make Sketch

A floor plan helps the surveyors to get organized and to know how many elements there are, such as entrances and toilet rooms. If plans are not available, sketch the exterior and interior layout of interior and exterior spaces and mark the elements on the sketch.

### Make Copies of the Checklist

Determine how many copies of each section of the checklist you need. For example, most facilities have more than one toilet room.

### Gather Tools

- Checklist
- Clipboard
- Tape measure
- Electronic or carpenter’s level - 24 inches
- Door pressure gauge or fish scale
- Camera
- Bag to hold these items

## Requirements for Places of Public Accommodation

Businesses and non-profit organizations that serve the public must remove architectural barriers when it is “readily achievable” to do so; in other words, when barrier removal is “easily accomplishable and able to be carried out without much difficulty or expense.”

The decision of what is readily achievable is made considering the size, type, and overall finances of the public accommodation and the nature and cost of the access improvements needed. Barrier removal that is difficult now may be readily achievable in the future as finances change.

Public accommodations’ ADA obligations for barrier removal are in the Department of Justice’s ADA Title III regulations 28 CFR Part 36.304.

## Priorities for Accessibility

The checklist follows the four priorities that are listed in the Department of Justice ADA Title III regulations. These priorities are equally applicable to state and local government facilities.

Priority 1 - Accessible approach and entrance

Priority 2 - Access to goods and services

Priority 3 - Access to public toilet rooms

Priority 4 - Access to other items such as water fountains and public telephones

## Conduct the Survey

### Start Outside

Start from site arrival points such as drop-off areas and sidewalks. Determine if there is an accessible route to an accessible entrance. If there is a parking lot or garage check for the correct number of accessible parking spaces, including van-accessible spaces. Is there an accessible route from the accessible parking spaces to an accessible entrance? Next survey the entrances. If there is an accessible entrance, determine if there are signs at inaccessible entrances directing people to the accessible entrance. Go inside and continue through the facility.

### Keep Good Notes

Write on the front of each checklist where you are surveying. You may end up with six toilet room checklists. When you get back to your office you’ll want to know which one is the checklist for the first floor women’s room. If there isn’t an accessible entrance you’ll want to indicate how many steps there are and how much space is available to install a ramp or lift. This is a good time to take photographs.

### Take Good Measurements

When in doubt write it down. It’s better to have too much information than not enough. Even if something is in compliance it’s helpful to have exact measurements.

## 2010 ADA Standards for Accessible Design

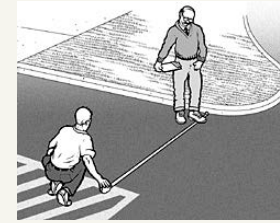
The checklist is based on the 2010 ADA Standards for Accessible Design (2010 Standards). The checklist does not include all sections of the 2010 Standards. For example there are no questions about patient rooms in hospitals or guest rooms in hotels. Consult the 2010 Standards for situations not covered in the checklist. Full compliance with the 2010 Standards is required only for new construction and alterations.

## Safe Harbor – Construction Prior to March 15, 2012

Elements in facilities built or altered before March 15, 2012 that comply with the 1991 ADA Standards for Accessible Design (1991 Standards) are not required to be modified to specifications in the 2010 Standards. For example, the 1991 Standards allow 54 inches maximum for a side reach range to a control such as the operating part of a paper towel dispenser. The 2010 Standards lower that side reach range to 48 inches maximum. If a paper towel dispenser was installed prior to March 15, 2012 with the highest operating part at 54 inches, the paper towel dispenser does not need to be lowered to 48 inches.

## Elements in the 2010 Standards that aren't in the 1991 Standards

The 2010 Standards contain elements that are not in the 1991 Standards. These elements include recreation facilities such as swimming pools, team and player seating, accessible routes to court sports facilities, saunas and steam rooms, fishing piers, play areas, exercise machines, golf facilities, miniature golf facilities, amusement rides, shooting facilities with firing positions, and recreational boating facilities. Because these elements are not in the 1991 Standards, they are not subject to the safe harbor exemption. State and local governments must make these items



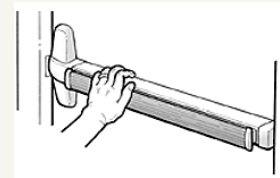
### Parking Spaces

Measure from the center of marking lines. If lines are not adjacent to another space or aisle the measurement can be to the full width of the line.



### Door Clear Width

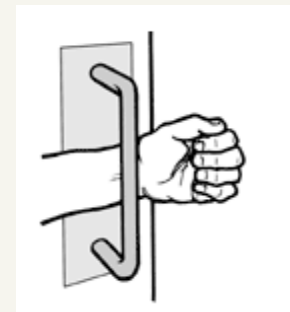
Open the door 90 degrees, measure from the face of the door to the edge of the door stop.



### Door Opening Force

Place the door pressure gauge where you would push open the door.

If you're using a fish scale, place it where you would pull open the door.





accessible if necessary to ensure program accessibility, unless an undue burden would result. Public accommodations must remove architectural barriers to these items.

## What this Checklist is Not

The ADA Title II and III regulations require more than program accessibility and barrier removal. The regulations include requirements for nondiscriminatory policies and practices and for the provision of auxiliary aids and services, such as sign language interpreters for people who are deaf and material in Braille for people who are blind. This checklist does not cover those requirements.

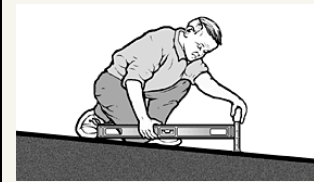
Since this checklist does not include all of the 2010 Standards it is not intended to determine compliance for new construction or facilities being altered.

## What are Public Accommodations?

Under the ADA public accommodations are private entities that own, lease, lease to or operate a place of public accommodation. This means that both a landlord who leases space in a building to a tenant and the tenant who operates a place of public accommodation have responsibilities to remove barriers.

A place of public accommodation is a facility whose operations affect commerce and fall within at least one of the following 12 categories:

- 1) Places of lodging (e.g., inns, hotels, motels, except for owner-occupied establishments renting fewer than six rooms)
- 2) Establishments serving food or drink (e.g. , restaurants and bars)
- 3) Places of exhibition or entertainment (e.g. , motion picture houses, theaters, concert



### Accessible Slopes

You can measure slope with a 24 inch level and a tape measure. Put the level on the surface in the direction you are

measuring. Put one end at the high point of the surface and raise the other end so that the bubble is in the middle of the level's gauge. The level is now level. Measure the distance between the end of the level at its bottom point and the surface.

For a ramp the maximum running slope allowed is 1:12. That means for every inch of height change there should be at least 12 inches of ramp run. If the distance between the bottom of the level and the ramp surface is 2 inches or less, then the slope is 1:12 or less ( $2:24 = 1:12$  and  $1.5:24 = 1:16$  which is a more gradual slope than 1:12). If the distance is greater than 2 inches, the ramp is too steep. For example, if the distance is 3 inches, then the slope is 1:8 ( $3:24 = 1:8$  which is a steeper slope than 1:12).

For the parts of an accessible route that aren't a ramp, the maximum running slope allowed is 1:20. That means for every inch of height change there must be at least 20 inches of route run. The distance from the bottom edge of the level to the surface should be no more than 1.2 inches ( $1.2:24 = 1:20$ ).

- halls, stadiums)
- 4) Places of public gathering (e.g. , auditoriums, convention centers, lecture halls)
  - 5) Sales or rental establishments (e.g. , bakeries, grocery stores, hardware stores, shopping centers)
  - 6) Service establishments (e.g. , laundromats, dry-cleaners, banks, barber shops, beauty shops, travel services, shoe repair services, funeral parlors, gas stations, offices of accountants or lawyers, pharmacies, insurance offices, professional offices of health care providers, hospitals)
  - 7) Public transportation terminals, depots, or stations (not including facilities relating to air transportation)
  - 8) Places of public display or collection (e.g. , museums, libraries, galleries)
  - 9) Places of recreation (e.g. , parks, zoos, amusement parks)
  - 10) Places of education (e.g. , nursery schools, elementary, secondary, undergraduate, or postgraduate private schools)
  - 11) Social service center establishments (e.g. , day care centers, senior citizen centers, homeless shelters, food banks, adoption agencies)
  - 12) Places of exercise or recreation (e.g. , gymnasiums, health spas, bowling alleys, golf courses).

For the cross slope of an accessible route the maximum slope allowed is 1:48. The distance from the bottom edge of the level to the surface should be no more than ½ inch (.5:24 = 1:48). The cross slope of an accessible route is the slope that is perpendicular to the direction of pedestrian travel.

Slopes may also be measured using a digital level. Be sure to read the instructions. Measure with the percent calculation rather than the degrees calculation. For a ramp the maximum running slope allowed is 8.33% (8.33% is a 1:12 slope). For an accessible route without a ramp the maximum running slope allowed is 5% (1:20). For the cross slope of an accessible route the maximum slope allowed is 2.083% (1:48).

**Check that You Got Everything** - Before you leave the site review all the checklists. Make sure you know which checklist goes with which entrance and which toilet room and that you've got all the information you need. It is better to do it now than to have to go back.

## After the Survey

**List Barriers and Solutions** - Consider the solutions listed beside each question on the checklist and add your own ideas. Consult with building contractors and equipment suppliers to estimate the costs for making modifications.

## Resources

### U.S. Department of Justice ADA Information

800-514-0301 voice  
800-514-0383 TTY  
[www.ada.gov](http://www.ada.gov)

### ADA National Network

800-949-4232 voice/TTY connects to your regional ADA Center  
[www.adata.org](http://www.adata.org)

### U.S. Access Board

800- 872-2253 voice  
800-993-2822 TTY  
[www.access-board.gov](http://www.access-board.gov)

### ADA Title III Regulations 28 CFR Part 36

[www.ada.gov/regs2010/titleIII\\_2010/titleIII\\_2010\\_regulations.htm](http://www.ada.gov/regs2010/titleIII_2010/titleIII_2010_regulations.htm)

### 2010 ADA Standards for Accessible Design

[www.ada.gov/2010ADASTandards\\_index.htm](http://www.ada.gov/2010ADASTandards_index.htm)

### 1991 ADA Standards for Accessible Design

[www.ada.gov/stdspdf.htm](http://www.ada.gov/stdspdf.htm)

### Tax Deductions and Credits for Barrier Removal

[www.ada.gov/taxincent.htm](http://www.ada.gov/taxincent.htm)

## Acknowledgements

Many of the illustrations are from the U.S. Department of Justice and the U.S. Access Board or are based on illustrations produced by the U.S. Access Board and the U.S. Department of Justice.

**Develop a Plan** – State and local governments were required to develop a Transition Plan a few years after the ADA went into effect. Conducting a current survey is a good opportunity to update the plan.

Although places of public accommodation are not required to have a plan,, the Department of Justice recommends one: *"...Such a plan...could serve as evidence of a good faith effort to comply..."*

Prioritize items, make a timeline, decide who is responsible to carry out the plan and develop a budget.

**Make Changes** - Use the 2010 ADA Standards for Accessible Design. Check whether local and state building codes require greater accessibility when alterations are undertaken.

**Follow Up** - Review the plan each year to evaluate whether more access improvements can be made.

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## ADA Checklist for Existing Facilities

# Priority 1 – Approach & Entrance

Based on the 2010 ADA Standards for Accessible Design



Project \_\_\_\_\_

Building \_\_\_\_\_

Location \_\_\_\_\_

Date \_\_\_\_\_

Surveyors \_\_\_\_\_  
\_\_\_\_\_

Contact Information \_\_\_\_\_  
\_\_\_\_\_

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**An accessible route from site arrival points and an accessible entrance should be provided for everyone.**



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ADA National Network  
Questions on the ADA 800-949-4232 voice/tty  
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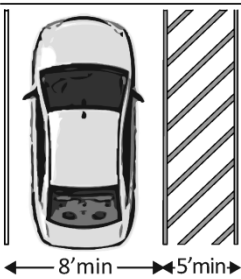
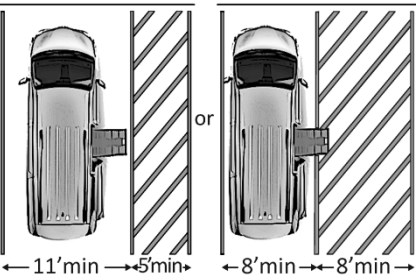
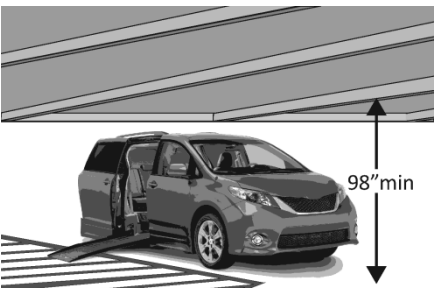
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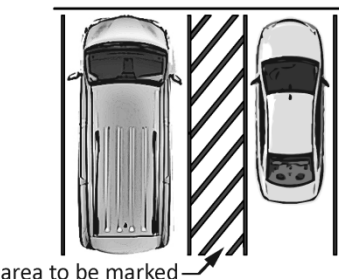

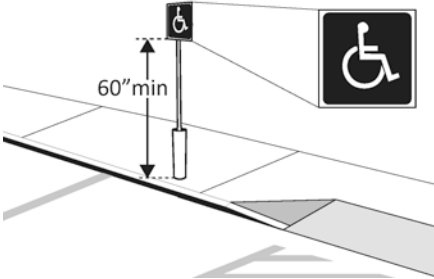
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For the full set of checklists, including the checklists for recreation facilities visit [www.ADAchecklist.org](http://www.ADAchecklist.org).



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Priority 1 – Approach & Entrance			Comments	Possible Solutions												
<p><b>1.1</b> Is there at least one route from site arrival points (parking, passenger loading zones, public sidewalks and public transportation stops) that does not require the use of stairs? [See 2010 ADA Standards for Accessible Design – 206.2.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, location of route:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add a ramp</li> <li>• Regrade to 1:20 maximum slope</li> <li>• Add a lift if site constraints prevent other solutions</li> </ul>												
<p><b>Parking</b> Accessible parking spaces should be identified by size, access aisle and signage.</p>																
<p><b>1.2</b> If parking is provided for the public, are an adequate number of accessible spaces provided? [208.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Total #:</p> <p>Accessible #:</p>	<table border="1"> <thead> <tr> <th>Total Spaces</th> <th>Accessible Spaces</th> </tr> </thead> <tbody> <tr> <td>1 - 25</td> <td>1</td> </tr> <tr> <td>26 - 50</td> <td>2</td> </tr> <tr> <td>51 - 75</td> <td>3</td> </tr> <tr> <td>76 - 100</td> <td>4</td> </tr> <tr> <td colspan="2">100+ see 2010 Standards 208.2</td> </tr> </tbody> </table>	Total Spaces	Accessible Spaces	1 - 25	1	26 - 50	2	51 - 75	3	76 - 100	4	100+ see 2010 Standards 208.2		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure by repainting lines</li> <li>•</li> <li>•</li> </ul>
Total Spaces	Accessible Spaces															
1 - 25	1															
26 - 50	2															
51 - 75	3															
76 - 100	4															
100+ see 2010 Standards 208.2																
<p><b>1.3</b> Of the accessible spaces, is at least one a van accessible space?*[208.2.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>*For every 6 or fraction of 6 parking spaces required by the table above, at least 1 should be a van accessible space.</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>* If constructed before 3/15/2012, parking is compliant if at least 1 in every 8 accessible spaces is van accessible</li> <li>• Reconfigure by repainting lines</li> </ul>												

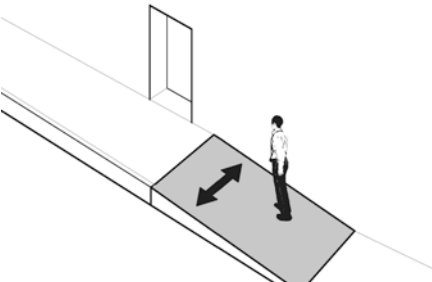
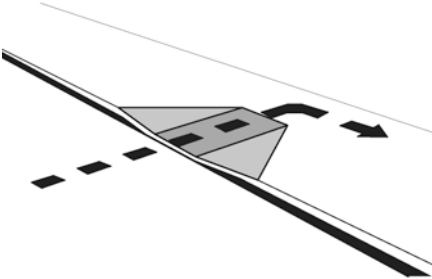
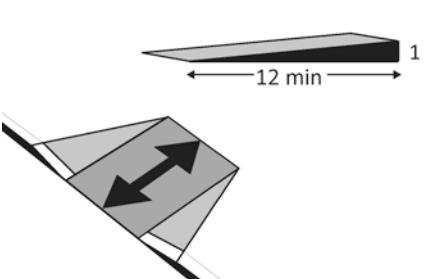
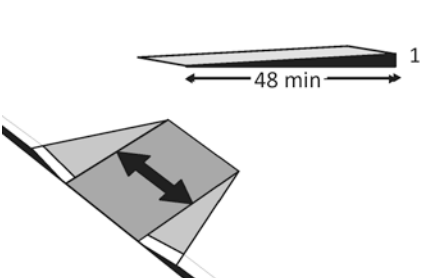
<p><b>1.4</b> Are accessible spaces at least 8 feet wide with an access aisle at least 5 feet wide? [502.2, 502.3]</p> <p>Note: Two spaces may share an access aisle. Check state/local requirements; some specify that each space have its own aisle.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure by repainting lines</li> <li>•</li> <li>•</li> </ul>
<p><b>1.5</b> Is the van accessible space:</p> <p>At least 11 feet wide with an access aisle at least 5 feet wide? Or At least 8 feet wide with an access aisle at least 8 feet wide? [502.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to provide van-accessible space(s)</li> <li>•</li> <li>•</li> </ul>
<p><b>1.6</b> Is at least 98 inches of vertical clearance provided for the van accessible space? [502.5]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to provide van-accessible space(s)</li> <li>•</li> <li>•</li> </ul>

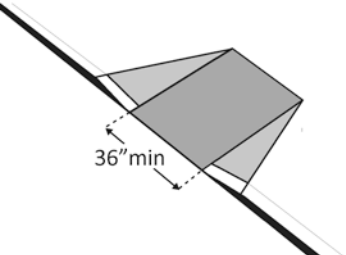
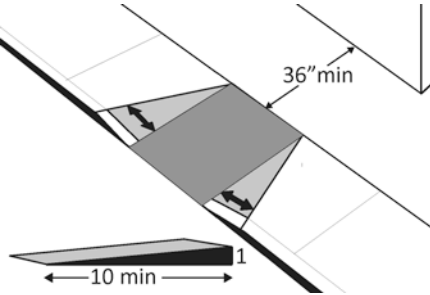
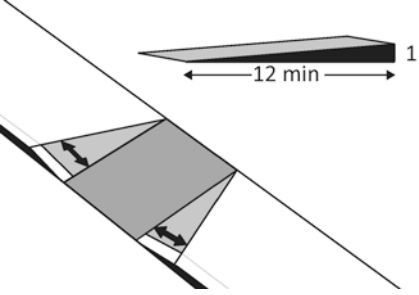
<p><b>1.7</b> Are the access aisles marked so as to discourage parking in them? [502.3.3]</p> <p>Note: The marking method and color may be addressed by state/local requirements.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Mark access aisles</li> <li>•</li> <li>•</li> </ul>
<p><b>1.8</b> Is the slope of the accessible parking spaces and access aisles no steeper than 1:48 in all directions? [502.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Regrade surface</li> <li>•</li> <li>•</li> </ul>
<p><b>1.9</b> Do the access aisles adjoin an accessible route? [502.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Create accessible route</li> <li>• Relocate accessible space</li> <li>•</li> </ul>
<p><b>1.10</b> Are accessible spaces identified with a sign that includes the International Symbol of Accessibility?  Is the bottom of the sign at least 60 inches above the ground? [502.6]</p> <p>Note: The International Symbol of Accessibility is not required on the ground.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install signs</li> <li>•</li> <li>•</li> </ul>

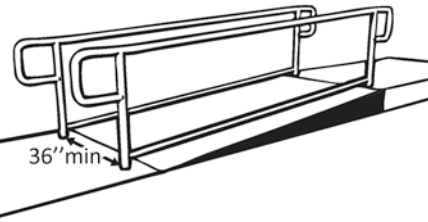
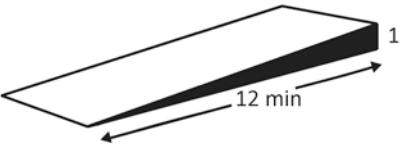


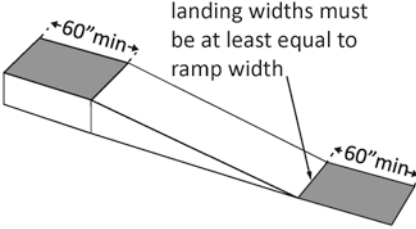
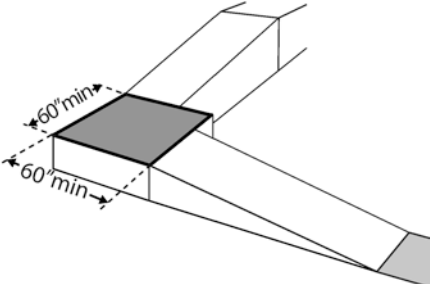
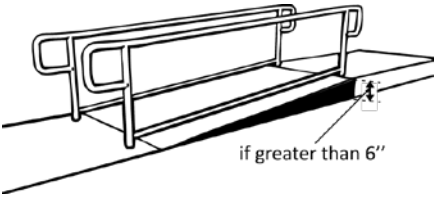
<p><b>1.11</b> Are there signs reading “van accessible” at van accessible spaces? [502.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install signs</li> <li>•</li> <li>•</li> </ul>
<p><b>1.12</b> Of the total parking spaces, are the accessible spaces located on the closest accessible route to the accessible entrance(s)? [208.3.1]</p> <p>Note: If parking serves multiple entrances, accessible parking should be dispersed.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure spaces</li> <li>•</li> <li>•</li> </ul>
<p><b>Exterior Accessible Route</b></p>				
<p><b>1.13</b> Is the route stable, firm and slip-resistant? [302.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Repair uneven paving</li> <li>• Fill small bumps and breaks with patches</li> <li>• Replace gravel with asphalt or other surface</li> </ul>
<p><b>1.14</b> Is the route at least 36 inches wide? [403.5.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change or move landscaping, furnishings or other items</li> <li>• Widen route</li> <li>•</li> </ul>

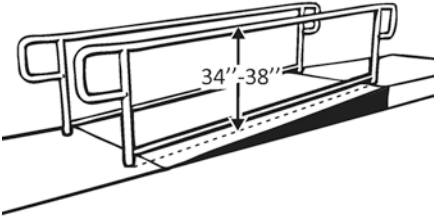
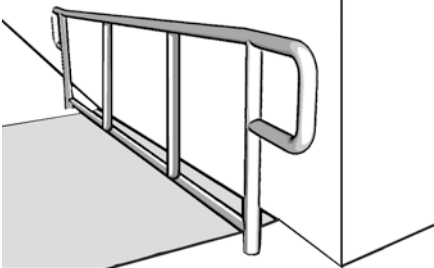
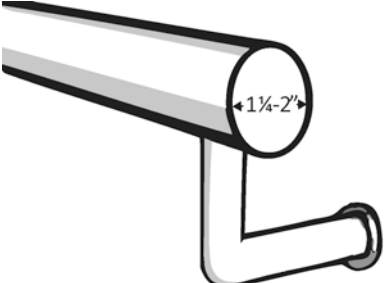
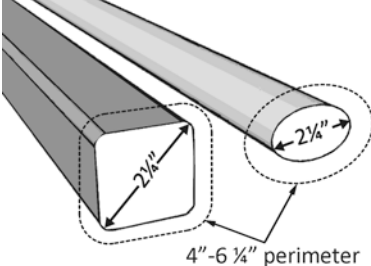
<p>Note: The accessible route can narrow to 32 inches min. for a max. of 24 inches. These narrower portions of the route must be at least 48 inches from each other.</p>			<p>Photo #:</p>	
<p><b>1.15</b> If the route is greater than 200 feet in length and less than 60 inches wide, is there a passing space no less than 60 x 60 inches? [403.5.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen route for passing space</li> <li>•</li> <li>•</li> </ul>
<p><b>1.16</b> If there are grates or openings on the route, are the openings no larger than 1/2 inches?  Is the long dimension perpendicular to the dominant direction of travel? [302.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace or move grate</li> <li>•</li> <li>•</li> </ul>
<p><b>1.17</b> Is the running slope no steeper than 1:20, i.e. for every inch of height change there are at least 20 inches of route run? [403.3]</p> <p>Note: If the running slope is steeper than 1:20, treat as a ramp and add features such as edge protection and handrails.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Regrade to 1:20 max.</li> <li>•</li> <li>•</li> </ul>

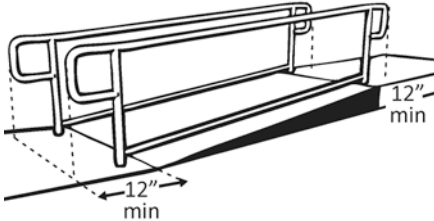
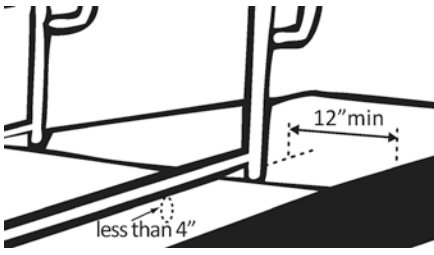
<p><b>1.18</b> Is the cross slope no steeper than 1:48? [403.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Regrade to 1:48 max.</li> <li>•</li> <li>•</li> </ul>
<p><b>Curb Ramps</b></p>				
<p><b>1.19</b> If the accessible route crosses a curb, is there a curb ramp? [402.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install curb ramp</li> <li>•</li> <li>•</li> </ul>
<p><b>1.20</b> Is the running slope of the curb ramp no steeper than 1:12, i.e. for every inch of height change there are at least 12 inches of curb ramp run? [406.1, 405.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Regrade curb ramp</li> <li>•</li> <li>•</li> </ul>
<p><b>1.21</b> Is the cross slope of the curb ramp, excluding flares, no steeper than 1:48? [406.1, 405.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Regrade curb ramp</li> <li>•</li> <li>•</li> </ul>

<p><b>1.22</b> Is the curb ramp, excluding flares, at least 36 inches wide? [406.1, 405.5]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen curb ramp</li> <li>•</li> <li>•</li> </ul>
<p><b>1.23</b> At the top of the curb ramp is there a level landing (slope no steeper than 1:48 in all directions) that is at least 36 inches long and at least as wide as the curb ramp? [406.4]</p> <p>If there are curb ramp flares, are the slopes of the flares no steeper than 1:10, i.e. for every inch of height change there are at least 10 inches of flare run? [406.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure</li> <li>• Add ramp flares</li> <li>•</li> </ul>
<p><b>1.24</b> If the landing at the top is less than 36 inches long, are there curb ramp flares?</p> <p>Are the slopes of the flares no greater than 1:12, i.e. for every inch of height change there are at least 12 inches of flare run? [406.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add ramp flares</li> <li>• Regrade flares</li> <li>•</li> </ul>

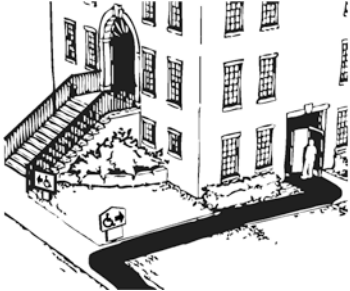
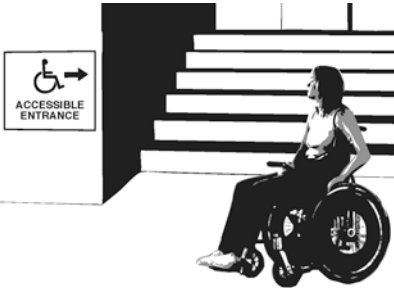

Ramps If any portion of the accessible route is steeper than 1:20, it should be treated as a ramp.				
<p><b>1.25</b> If there is a ramp is it at least 36 inches wide? [405.5]</p> <p>Note: If there are handrails, measure between the handrails.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter ramp</li> <li>•</li> <li>•</li> </ul>
<p><b>1.26</b> Is the surface stable, firm and slip resistant? [405.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Resurface ramp</li> <li>•</li> <li>•</li> </ul>
<p><b>1.27</b> For each section of the ramp, is the running slope no greater than 1:12, i.e. for every inch of height change there are at least 12 inches of ramp run? [405.2]</p> <p>Note: Rises no greater than 3 inches with a slope no steeper than 1:8 and rises no greater than 6 inches with a slope no steeper than 1:10 are permitted when such slopes are necessary due to space limitations.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Relocate ramp</li> <li>• Lengthen ramp to decrease slope</li> <li>•</li> </ul>

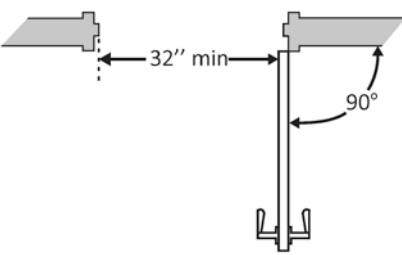
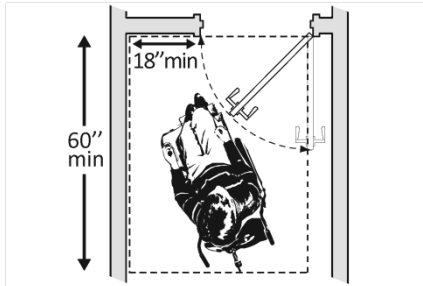
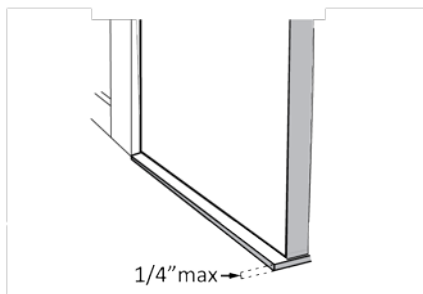
<p><b>1.28</b> Is there a level landing that is at least 60 inches long and at least as wide as the ramp:</p> <p>At the top of the ramp?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p>At the bottom of the ramp? [405.7.2, 405.7.3]</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter ramp</li> <li>• Relocate ramp</li> <li>•</li> </ul>
<p><b>1.29</b> Is there a level landing where the ramp changes direction that is at least 60 x 60 inches? [405.7.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter ramp</li> <li>• Increase landing size</li> <li>•</li> </ul>
<p><b>1.30</b> If the ramp has a rise higher than 6 inches, are there handrails on both sides? [405.8]</p> <p>Note: Curb ramps are not required to have handrails.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add handrails</li> <li>•</li> <li>•</li> </ul>

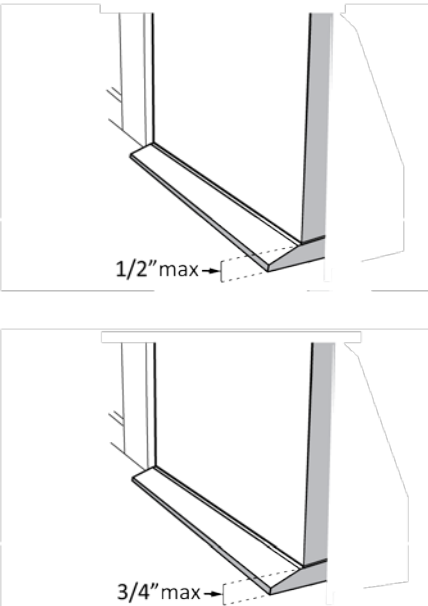
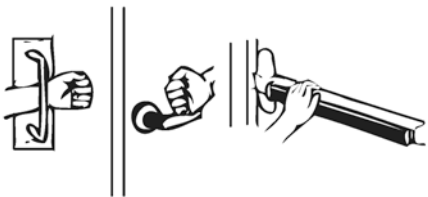
<p><b>1.31</b> Is the top of the handrail gripping surface no less than 34 inches and no greater than 38 inches above the ramp surface? [505.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure or replace handrails</li> <li>• Adjust handrail height</li> <li>•</li> </ul>
<p><b>1.32</b> Is the handrail gripping surface continuous and not obstructed along the top or sides? [505.3]</p> <p>If there are obstructions, is the bottom of the gripping surface obstructed no greater than 20%? [505.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure or replace handrails</li> <li>•</li> <li>•</li> </ul>
<p><b>1.33</b> If the handrail gripping surface is circular, is it no less than 1 1/4 inches and no greater than 2 inches in diameter? [505.7.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace handrails</li> <li>•</li> <li>•</li> </ul>
<p><b>1.34</b> If the handrail gripping surface is non-circular:</p> <p>Is the perimeter no less than 4 inches and no greater than 6 1/4 inches?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace handrails</li> <li>•</li> <li>•</li> </ul>

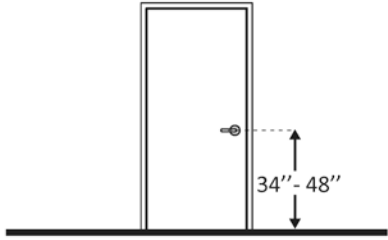
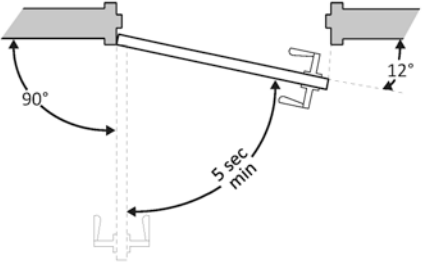
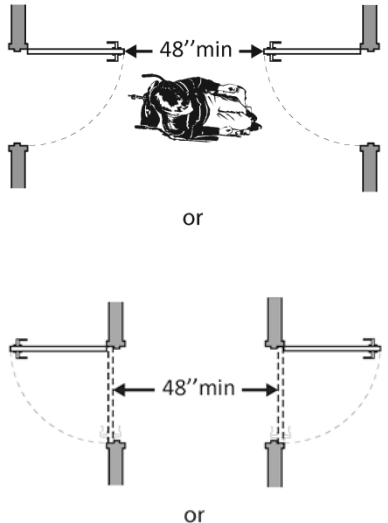
<p>Is the cross section no greater than 2¼ inches? [505.7.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	
<p><b>1.35</b> Does the handrail:</p> <p>Extend at least 12 inches horizontally beyond the top and bottom of the ramp?</p> <p>Return to a wall, guard, or landing surface? [505.10.1]</p> <p>Note: If a 12 inch extension would be a hazard (in circulation path) it is not required.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter handrails</li> <li>•</li> <li>•</li> </ul>
<p><b>1.36</b> To prevent wheelchair casters and crutch tips from falling off:</p> <p>Does the surface of the ramp extend at least 12 inches beyond the inside face of the handrail? Or Is there a curb or barrier that prevents the passage of a 4-inch diameter sphere? [405.9.1, 405.9.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add curb</li> <li>• Add barrier</li> <li>• Extend ramp width</li> <li>•</li> </ul>

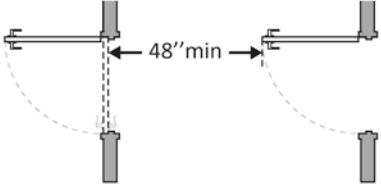



Entrance				
<p><b>1.37</b> Is the main entrance accessible?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Redesign to make it accessible</li> <li>•</li> <li>•</li> </ul>
<p><b>1.38</b> If the main entrance is not accessible, is there an alternative accessible entrance?</p> <p>Can the alternative accessible entrance be used independently and during the same hours as the main entrance?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Designate an entrance and make it accessible</li> <li>• Ensure that accessible entrance can be used independently and during the same hours as the main entrance</li> <li>•</li> </ul>
<p><b>1.39</b> Do all inaccessible entrances have signs indicating the location of the nearest accessible entrance? [216.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install signs</li> <li>• Install signs on route before people get to inaccessible entrances so that people do not have to turn around and retrace route</li> <li>•</li> </ul>
<p><b>1.40</b> If not all entrances are accessible, is there a sign at the accessible entrance with the International Symbol of Accessibility? [216.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install sign</li> <li>•</li> <li>•</li> </ul>

<p><b>1.41</b> Is the clear opening width of the accessible entrance door at least 32 inches, between the face of the door and the stop, when the door is open 90 degrees? [404.2.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter door</li> <li>• Install offset hinges</li> <li>•</li> </ul>
<p><b>1.42</b> If there is a front approach to the pull side of the door, is there at least 18 inches of maneuvering clearance beyond the latch side plus at least 60 inches clear depth?  Note: See 2010 Standards 404.2.4 for maneuvering clearance requirements on the push side of the door and side approaches to the pull side of the door</p> <p>On both sides of the door, is the ground or floor surface of the maneuvering clearance level (no steeper than 1:48)? [404.2.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove obstructions</li> <li>• Reconfigure walls</li> <li>• Add automatic door opener</li> </ul>
<p><b>1.43</b> If the threshold is vertical is it no more than ¼ inch high?  Or  No more than ½ inch high with the top ¼ inch beveled no steeper than 1:2, if the threshold was installed on or</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove or replace threshold</li> <li>•</li> <li>•</li> </ul>

<p>after the 1991 ADA Standards went into effect (1/26/93)?</p> <p>Or</p> <p>No more than 3/4 inch high with the top 1/2 inch beveled no steeper than 1:2, if the threshold was installed before the 1991 ADA Standards went into effect (1/26/93)? [404.2.5, 303.2]</p> <p>Note: The first 1/4 inch of the 1/2 or 3/4 inch threshold may be vertical; the rest must be beveled.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	
<p><b>1.44</b> Is the door equipped with hardware that is operable with one hand and does not require tight grasping, pinching or twisting of the wrist?</p> <p>Door handle?</p> <p>Lock (if provided)? [404.2.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace inaccessible knob with lever, loop or push hardware</li> <li>• Add automatic door opener</li> <li>•</li> </ul>

<p><b>1.45</b> Are the operable parts of the door hardware no less than 34 inches and no greater than 48 inches above the floor or ground surface? [404.2.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change hardware height</li> <li>•</li> <li>•</li> </ul>
<p><b>1.46</b> If the door has a closer, does it take at least 5 seconds to close from an open position of 90 degrees to a position of 12 degrees from the latch? [404.2.8]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust closer</li> <li>•</li> <li>•</li> </ul>
<p><b>1.47</b> If there are two doors in a series, e.g. vestibule, is the distance between the doors at least 48 inches plus the width of the doors when swinging into the space? [404.2.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove inner door</li> <li>• Change door swing</li> <li>•</li> </ul>

			<p>Photo #:</p>	
<p><b>1.48</b> If provided at the building entrance, are carpets or mats no higher than ½ inch thick? [302.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace or remove mats</li> <li>•</li> <li>•</li> </ul>
<p><b>1.49</b> Are edges of carpets or mats securely attached to minimize tripping hazards? [302.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Secure carpeting or mats at edges</li> <li>•</li> <li>•</li> </ul>
	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>

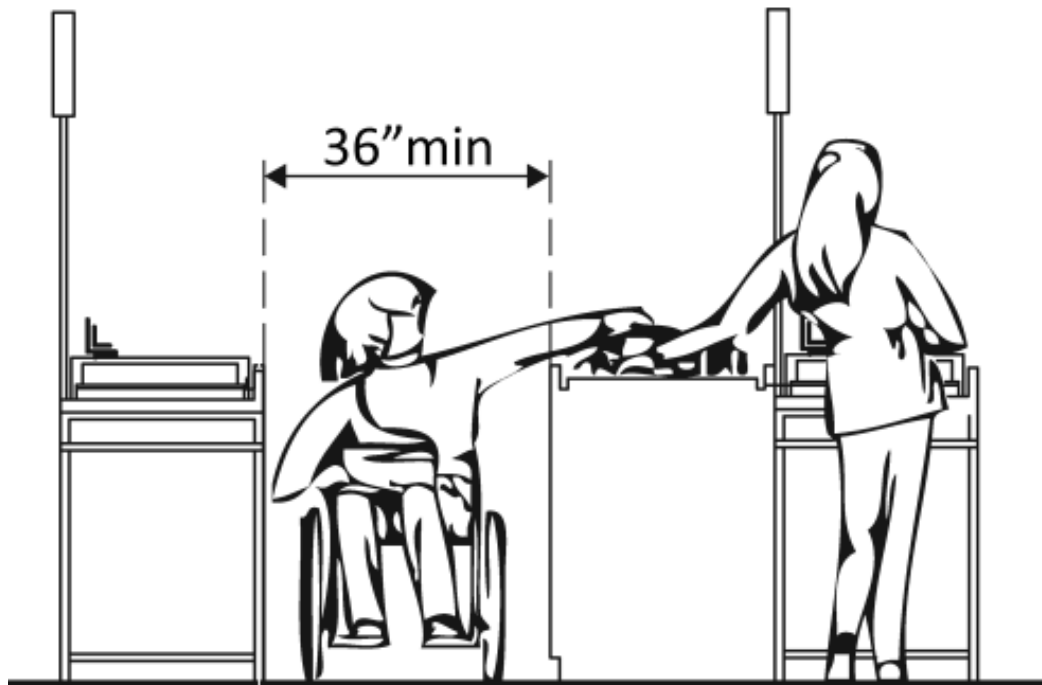
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## ADA Checklist for Existing Facilities

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# Priority 2 – Access to Goods & Services

Based on the 2010 ADA Standards for Accessible Design



Project \_\_\_\_\_

Building \_\_\_\_\_

Location \_\_\_\_\_

Date \_\_\_\_\_

Surveyors \_\_\_\_\_

Contact Information \_\_\_\_\_

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**The layout of the building should allow people with disabilities to obtain goods and services and to participate in activities without assistance.**

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ADA National Network  
Questions on the ADA 800-949-4232 voice/tty

[www.ADAchecklist.org](http://www.ADAchecklist.org)

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Questions or comments on the checklist contact the New England ADA Center at 617-695-0085 voice/tty or [ADAinfo@NewEnglandADA.org](mailto:ADAinfo@NewEnglandADA.org)

For the full set of checklists, including the checklists for recreation facilities visit [www.ADAchecklist.org](http://www.ADAchecklist.org).

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Priority 2 – Access to Goods & Services		Comments	Possible Solutions
<p><b>2.1</b> Does the accessible entrance provide direct access to the main floor, lobby and elevator? [See 2010 ADA Standards for Accessible Design – 206.4]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Create accessible route</li> <li>•</li> <li>•</li> </ul>
<p><b>Interior Accessible Route</b></p>			
<p><b>2.2</b> Are all public spaces on at least one accessible route? [206.2.4]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Create accessible route</li> <li>•</li> <li>•</li> </ul>
<p><b>2.3</b> Is the route stable, firm and slip-resistant? [40.2, 302.1]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Repair uneven surfaces</li> <li>•</li> <li>•</li> </ul>
<p><b>2.4</b> Is the route at least 36 inches wide? [403.5.1]</p> <p>Note: The accessible route can narrow to 32 inches min. for a max. of 24 inches. These narrower portions of the route must be at least 48 inches from each other.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No  Measurement:		<ul style="list-style-type: none"> <li>• Widen route</li> <li>•</li> <li>•</li> </ul>



			<p>Photo #:</p>	
<p><b>2.5</b> If the route is greater than 200 feet in length and less than 60 inches wide, is there a passing space no less than 60 x 60 inches? [403.5.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen route for passing space</li> <li>•</li> <li>•</li> </ul>
<p><b>2.6</b> Is the running slope no steeper than 1:20, i.e. for every inch of height change there are at least 20 inches of route run? [403.3]</p> <p>Note: If the running slope is steeper than 1:20, treat as a ramp and add features such as edge protection and handrails.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Regrade</li> <li>•</li> <li>•</li> </ul>
<p><b>2.7</b> Is the cross slope no steeper than 1:48? [403.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Regrade</li> <li>•</li> <li>•</li> </ul>

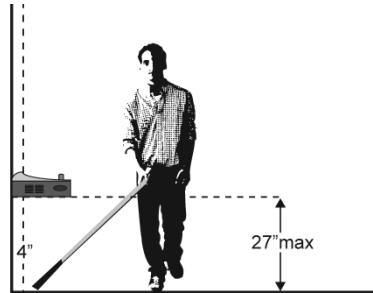
**2.8** Do all objects on circulation paths through public areas, e.g. fire extinguishers, drinking fountains, signs, etc., protrude no more than 4 inches into the path?

Yes  No

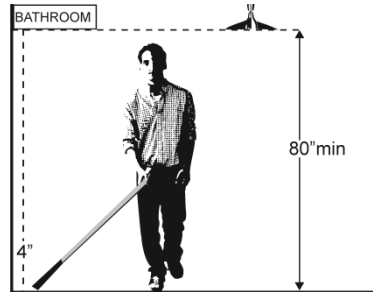
Measurement:



Or



Or



Or

If an object protrudes more than 4 inches, is the bottom leading edge at 27 inches or lower above the floor?  
[307.2]

Yes  No

Measurement:

Or

Is the bottom leading edge at 80 inches or higher above the floor?  
[307.4]

Yes  No

Measurement:

Photo #:

- Remove object
- Add tactile warning such as permanent planter or partial walls
- 

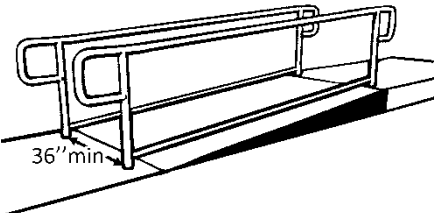
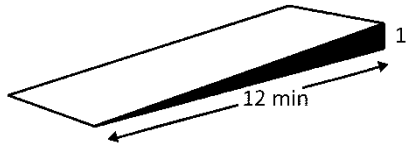
**2.9** Are there elevators or platform lifts to all public stories?

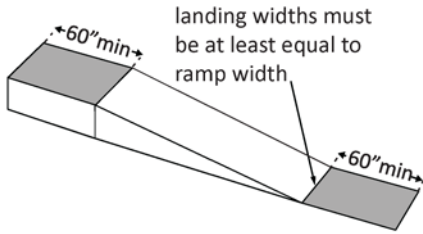
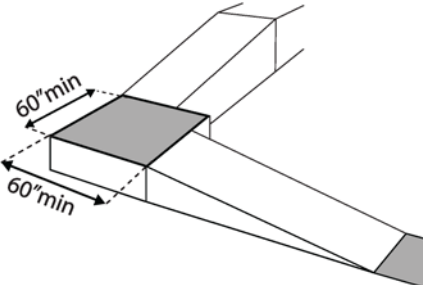
Yes  No

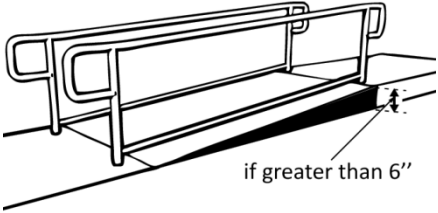
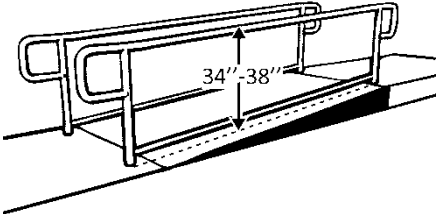
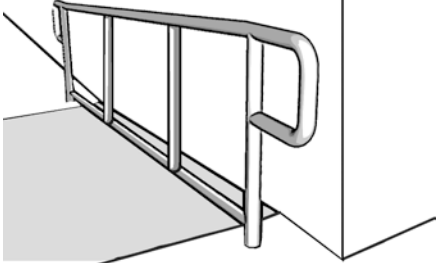
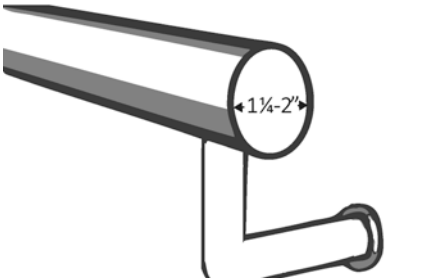
Note: Vertical access is not required in new construction or alterations if a facility is less than three stories or has less than 3,000 square feet per story, unless the facility is a shopping center, shopping mall,

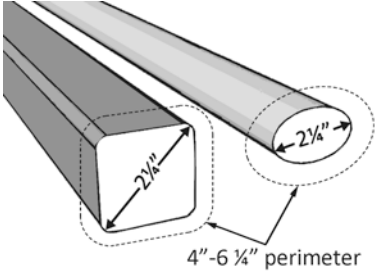
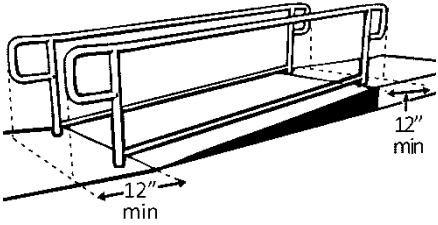
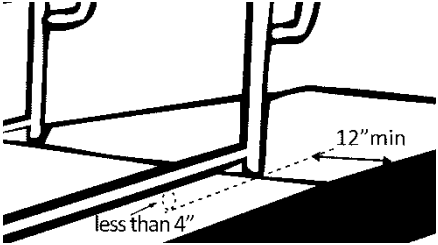
- Install if necessary
- Offer goods and services on an accessible story
-

professional office of a health care provider, transportation terminal, state facility or local government facility			Photo #:	
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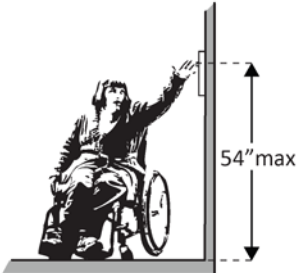
Ramps				
<p><b>2.10</b> If there is a ramp, is it at least 36 inches wide? [405.5]</p> <p>Note: If there are handrails, measure between the handrails.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No  Measurement:		Photo #:	<ul style="list-style-type: none"> <li>• Alter ramp</li> <li>•</li> <li>•</li> </ul>
<p><b>2.11</b> Is the surface stable, firm and slip resistant? [405.4]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No		Photo #:	<ul style="list-style-type: none"> <li>• Resurface ramp</li> <li>•</li> <li>•</li> </ul>
<p><b>2.12</b> For each section of the ramp, is the running slope no greater than 1:12, i.e. for every inch of height change there are at least 12 inches of ramp run? [405.2]</p> <p>Note: Rises no greater than 3 inches with a slope no steeper than 1:8 and rises no greater</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No  Measurement:		Photo #:	<ul style="list-style-type: none"> <li>• Lengthen ramp to decrease slope</li> <li>• Relocate ramp</li> <li>•</li> </ul>

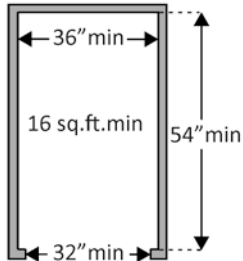
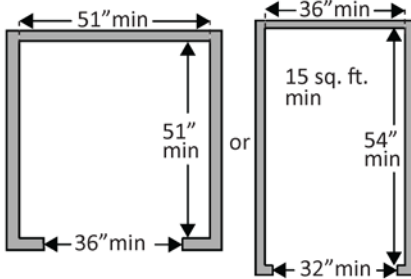
<p>than 6 inches with a slope no steeper than 1:10 are permitted when due to space limitations.</p>			<p>Photo #:</p>	
<p><b>2.13</b> Is there a level landing that is at least 60 inches long and at least as wide as the ramp:</p> <p>At the top of the ramp?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p>At the bottom of the ramp? [405.7.2, 405.7.3]</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>			<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter ramp</li> <li>• Relocate ramp</li> <li>•</li> </ul>
<p><b>2.14</b> Is there a level landing where the ramp changes direction that is at least 60 x 60 inches? [405.7.4]</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>			<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Increase landing size</li> <li>•</li> <li>•</li> </ul>

<p><b>2.15</b> If the ramp has a rise higher than 6 inches are there handrails on both sides? [405.8]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add handrails</li> <li>•</li> <li>•</li> </ul>
<p><b>2.16</b> Is the top of the handrail gripping surface no less than 34 inches and no greater than 38 inches above the ramp surface? [505.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust handrail height</li> <li>•</li> <li>•</li> </ul>
<p><b>2.17</b> Is the handrail gripping surface continuous and not obstructed along the top or sides? [505.3]</p> <p>If there are obstructions, is the bottom of the gripping surface obstructed no more than 20%? [505.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure or replace handrails</li> <li>•</li> <li>•</li> </ul>
<p><b>2.18</b> If the handrail gripping surface is circular, is it no less than 1 ¼ inches and no greater than 2 inches in diameter? [505.7.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace handrails</li> <li>•</li> <li>•</li> </ul>

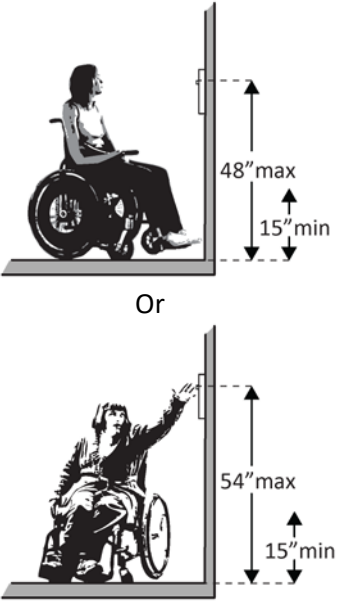

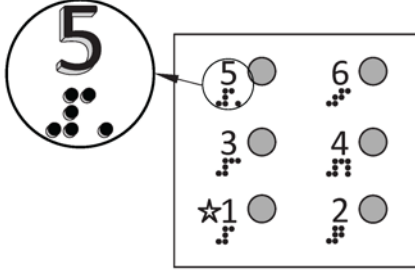
<p><b>2.19</b> If the handrail gripping surface is non-circular:</p> <p>Is the perimeter no less than 4 inches and no greater than 6¼ inches?</p> <p>Is the cross section no greater than 2¼ inches in diameter? [505.7.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace handrails</li> <li>•</li> <li>•</li> </ul>
<p><b>2.20</b> Does the handrail:</p> <p>Extend at least 12 inches horizontally beyond the top and bottom of the ramp?</p> <p>Return to a wall, guard, or landing surface? [505.10.1]</p> <p>Note: If a 12" extension would be hazardous (in circulation path), it is not required</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter handrails</li> <li>•</li> <li>•</li> </ul>
<p><b>2.21</b> To prevent wheelchair casters and crutch tips from falling off:</p> <p>Does the surface of the ramp extend at least 12 inches beyond the inside face of the handrail? Or</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add curb</li> <li>• Add barrier</li> <li>• Extend ramp width</li> <li>•</li> <li>•</li> </ul>

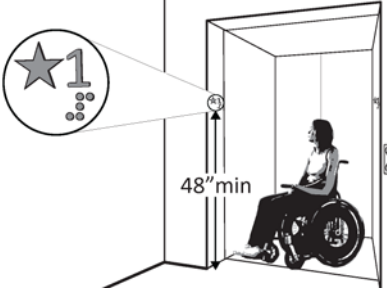
<p>Is there a curb or barrier that prevents the passage of a 4-inch diameter sphere? [405.9.1, 405.9.2]</p>	<p>Measurement:</p>		<p>Photo #:</p>	
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<p><b>Elevators – Full Size &amp; LULA (limited use, limited application)</b> LULA elevators are often used in alterations.</p>				
<p><b>2.22</b> If there is a full size or LULA elevator, are the call buttons no higher than 54 inches above the floor? [407.2.1.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No  Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change call button height</li> <li>•</li> <li>•</li> </ul>
<p><b>2.23</b> If there is a full size or LULA elevator, does the sliding door reopen automatically when obstructed by an object or person?*</p> <p>[407.3.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>* If constructed before 3/15/2012 and manually operated, the door is not required to reopen automatically</li> <li>• Install opener</li> <li>•</li> </ul>

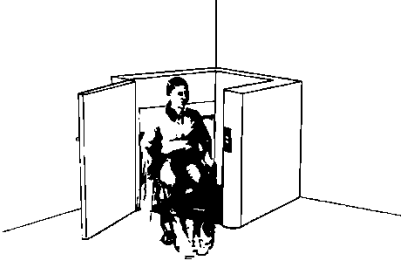
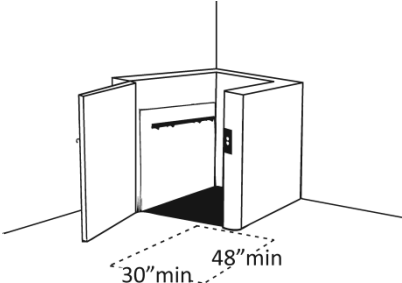
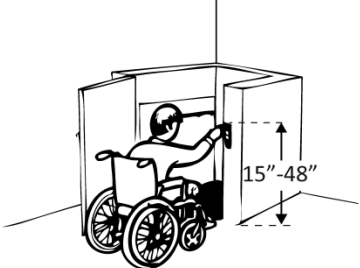
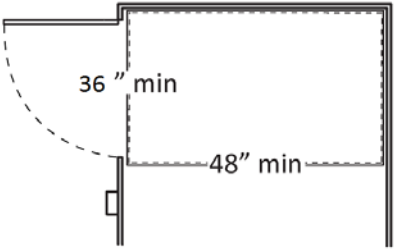
<p><b>2.24</b> If there is a LULA elevator with a swinging door:</p> <p>Is the door power-operated?  <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Does the door remain open for at least 20 seconds when activated?  <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>[403.3.2]</p>	<p>Time:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add power operated door</li> <li>• Adjust opening time</li> <li>•</li> </ul>
<p><b>2.25</b> If there is a full size elevator:</p> <p>Is the interior at least 54 inches deep by at least 36 inches wide with at least 16 sq. ft. of clear floor area?  <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p>Is the door opening width at least 32 inches?  <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>[407.4.1 Exception]</p>	<p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace elevator</li> <li>•</li> <li>•</li> </ul>
<p><b>2.26</b> If there is a LULA elevator, is the interior:</p> <p>At least 51 inches deep by 51 inches wide with a door opening width of at least 36 inches?  <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p>Or</p> <p>At least 54 inches deep by at least 36 inches wide with at least 15 sq. ft. of clear floor area and a door opening width of at least 32 inches?  <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p>[408.4.1 Exceptions 1 and 2]</p>	<p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace elevator</li> <li>•</li> <li>•</li> </ul>

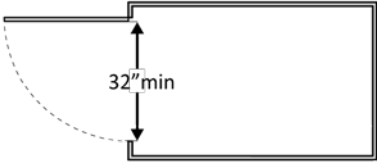
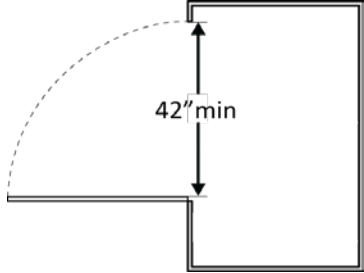


<p><b>2.27</b> If there is a full size or LULA elevator, are the in-car controls:</p> <p>No less than 15 inches and no greater 48 inches above the floor?</p> <p>Or</p> <p>Up to 54 inches above the floor for a parallel approach? [408.4.6, 407.4.6.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change control height</li> <li>•</li> <li>•</li> </ul>
<p><b>2.28</b> If there is a LULA elevator, are the in-car controls centered on a side wall? [408.4.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure controls</li> <li>•</li> <li>•</li> </ul>
<p><b>2.29</b> If there is a full size or LULA elevator:</p> <p>Are the car control buttons designated with raised characters?</p> <p>Are the car control buttons designated with Braille?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add raised characters</li> <li>• Add Braille</li> <li>•</li> </ul>

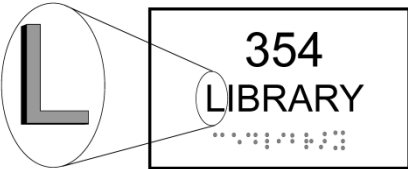
<p>[407.4.7.1, 703.2]</p>			<p>Photo #:</p>	
<p><b>2.30</b> If there is a full size elevator, are there audible signals which sound as the car passes or is about to stop at a floor? [407.4.8]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install audible signals</li> <li>•</li> <li>•</li> </ul>
<p><b>2.31</b> If there is a full size or LULA elevator:</p> <p>Is there a sign on both door jambs at every floor identifying the floor?</p> <p>Is there a tactile star on both jambs at the main entry level?</p> <p>Do text characters contrast with their backgrounds?</p> <p>Are text characters raised?</p> <p>Is there Braille?</p> <p>Is the sign mounted between 48 inches to the baseline of the lowest character and 60 inches to the baseline of the highest character above the floor?*</p> <p>[407.2.3, 408.2.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install signs</li> <li>• Change sign height</li> <li>•</li> <li>•</li> </ul> <p>* If constructed before 3/15/2012 and mounted no higher than 60 inches to the centerline of the sign, relocation is not required</p>

**Platform Lifts**

<p><b>2.32</b> If a lift is provided, can it be used without assistance from others? [410.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure so independently operable</li> <li>•</li> <li>•</li> </ul>
<p><b>2.33</b> Is there a clear floor space at least 30 inches wide by at least 48 inches long for a person using a wheelchair to approach and reach the controls to use the lift? [410.5]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove obstructions</li> <li>•</li> <li>•</li> </ul>
<p><b>2.34</b> Are the lift controls no less than 15 inches and no greater than 48 inches above the floor? [410.5]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change control height</li> <li>•</li> <li>•</li> </ul>
<p><b>2.35</b> Is there a clear floor space at least 36 inches wide by at least 48 inches long inside the lift? [410.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace lift</li> <li>•</li> <li>•</li> </ul>

<p><b>2.36</b> If there is an end door, is the clear opening width at least 32 inches? [410.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter door width</li> <li>•</li> <li>•</li> </ul>
<p><b>2.37</b> If there is a side door, is the clear opening width at least 42 inches? [410.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter door width</li> <li>•</li> <li>•</li> </ul>

**Signs** “Tactile characters” are read using touch, i.e. raised characters and Braille.

<p><b>2.38</b> If there are signs designating permanent rooms and spaces not likely to change over time, e.g. room numbers and letters, room names, and exit signs: [216.2]</p> <p>Do text characters contrast with their backgrounds? [703.5]</p> <p>Are text characters raised? [703.2]</p> <p>Is there Braille? [703.3]</p> <p>Is the sign mounted:</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install tactile sign</li> <li>• Relocate sign</li> <li>•</li> </ul>
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On the wall on the latch side of the door?  
[703.4.2]

Yes  No

Note: Signs are permitted on the push side of doors with closers and without hold-open devices.

With clear floor space beyond the arc of the door swing and 45-degree open position, at least 18 x 18 inches centered on the tactile characters?\*

Yes  No

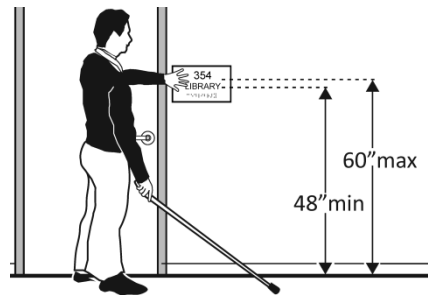
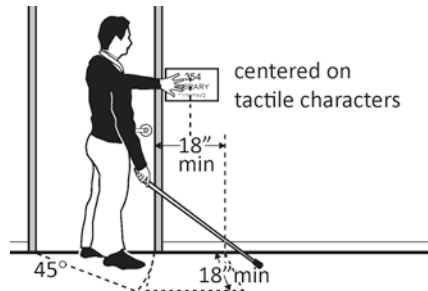
Measurement:

So the baseline of the lowest character is at least 48 inches above the floor and the baseline of the highest character is no more than 60 inches above the floor? \*

Yes  No

Measurement:

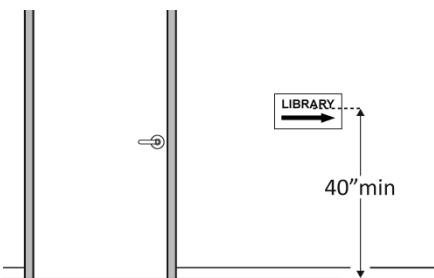
Note: If the sign is at double doors with one active leaf, the sign should be on the inactive leaf; if both leaves are active, the sign should be on the wall to the right of the right leaf.



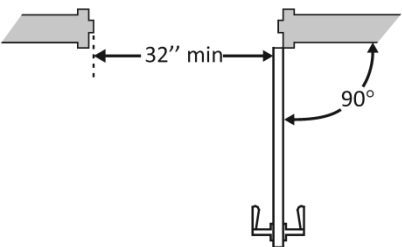
\*If constructed before 3/15/2012 and a person may approach within 3 inches of the sign without encountering protruding objects or standing within the door swing, relocation not required

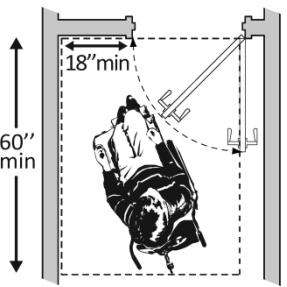
\*If constructed before 3/15/2012 and mounted no higher than 60 inches to the centerline of the sign, relocation not required

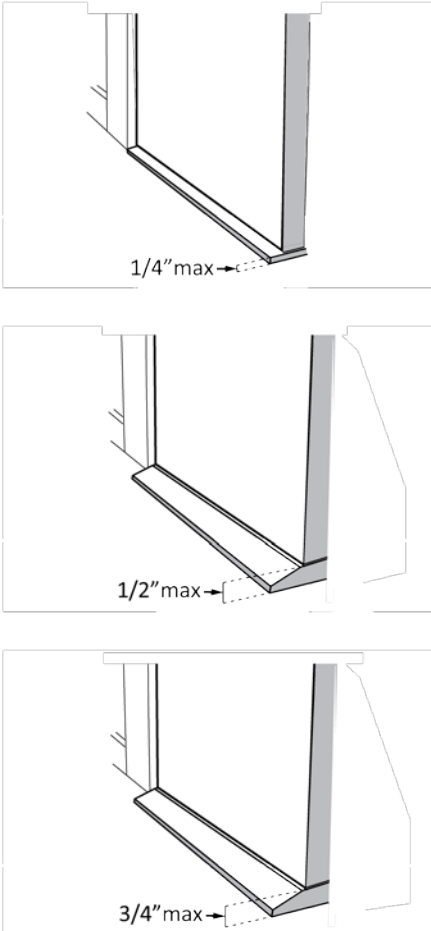
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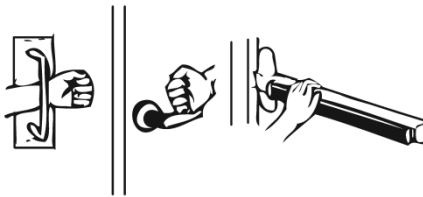
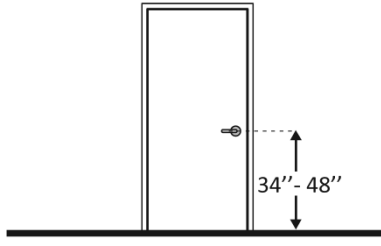
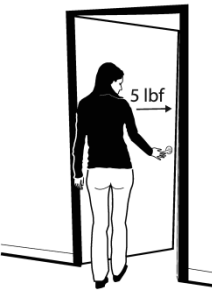
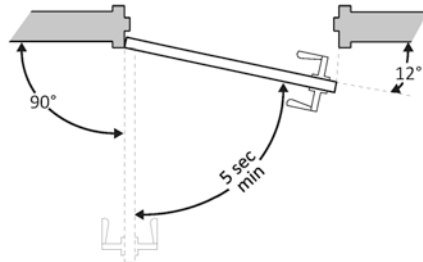
<p><b>2.39</b> If there are signs that provide direction to or information about interior spaces: Do text characters contrast with their backgrounds? [703.5.1] Is the sign mounted so that characters are at least 40 inches above the floor? [703.5.6] Note: Raised characters and Braille are not required.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install signs with contrasting characters</li> <li>• Change sign height</li> <li>•</li> </ul>
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**Interior Doors – to classrooms, medical exam rooms, conference rooms, etc.**

<p><b>2.40</b> Is the door opening width at least 32 inches clear, between the face of the door and the stop, when the door is open 90 degrees? [404.2.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install offset hinges</li> <li>• Alter the doorway</li> <li>•</li> </ul>
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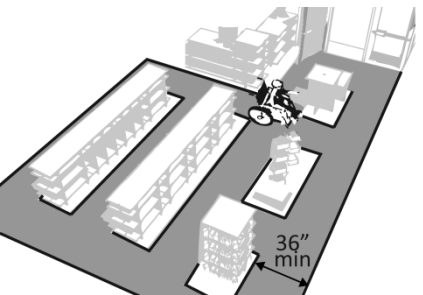
<p><b>2.41</b> If there is a front approach to the pull side of the door, is there at least 18 inches of maneuvering clearance beyond the latch side plus at least 60 inches clear depth?  Note: See 2010 Standards 404.2.4 for maneuvering clearance requirements on the push side of the door and side approaches to the pull side of the door.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove obstructions</li> <li>• Reconfigure walls</li> <li>• Add automatic door opener</li> </ul>
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<p>On both sides of the door, is the floor surface of the maneuvering clearance level (no steeper than 1:48)? [404.2.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	
<p><b>2.42</b> If the threshold is vertical is it no more than ¼ inch high?</p> <p>Or</p> <p>No more than ½ inch high with the top ¼ inch beveled no steeper than 1:2, if the threshold was installed on or after the 1991 ADA Standards went into effect (1/26/93)?</p> <p>Or</p> <p>No more than ¾ inch high with the top ½ inch beveled no steeper than 1:2, if the threshold was installed before the 1991 ADA Standards went into effect (1/26/93)? [404.2.5, 303.2]</p> <p>Note: The first ¼ inch of the ½ or ¾ inch threshold may be vertical; the rest must be beveled.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>	 <p>The diagrams illustrate three different threshold profiles. The top diagram shows a 1/4 inch maximum height threshold with a bevel. The middle diagram shows a 1/2 inch maximum height threshold with a bevel. The bottom diagram shows a 3/4 inch maximum height threshold with a bevel. Each diagram includes a dashed line indicating the bevel slope and an arrow pointing to the maximum height measurement.</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove or replace threshold</li> <li>•</li> <li>•</li> </ul>


<p><b>2.43</b> Is the door equipped with hardware that is operable with one hand and does not require tight grasping, pinching or twisting of the wrist?</p> <p>Door handle?</p> <p>Lock (if provided)? [404.2.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace inaccessible knob with lever, loop or push hardware</li> <li>• Add automatic door opener</li> <li>•</li> </ul>
<p><b>2.44</b> Are the operable parts of the hardware no less than 34 inches and no greater than 48 inches above the floor? [404.2.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change hardware height</li> <li>•</li> <li>•</li> </ul>
<p><b>2.45</b> Can the door be opened easily (5 pounds maximum force)? [404.2.9]</p> <p>Note: You can use a pressure gauge or fish scale to measure force. If you do not have one you will need to judge whether the door is easy to open.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust or replace closers</li> <li>• Install lighter doors</li> <li>• Install power-assisted or automatic door openers</li> </ul>
<p><b>2.46</b> If the door has a closer, does it take at least 5 seconds to close from an open position of 90 degrees to a position of 12 degrees from the latch? [404.2.8.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust closer</li> <li>•</li> <li>•</li> </ul>



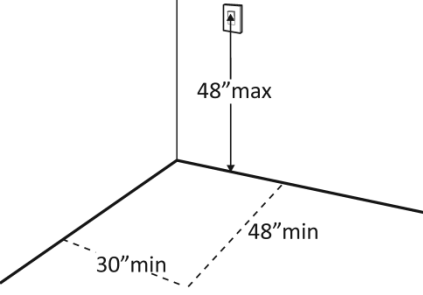
**Rooms and Spaces – stores, supermarkets, libraries, etc.**

<p><b>2.47</b> Are aisles and pathways to goods and services, and to one of each type of sales and service counters, at least 36 inches wide? [403.5.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Rearrange goods, equipment and furniture</li> <li>•</li> <li>•</li> </ul>
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<p><b>2.48</b> Are floor surfaces stable, firm and slip resistant? [302.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change floor surface</li> <li>•</li> <li>•</li> </ul>
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<p><b>2.49</b> If there is carpet:  Is it no higher than 1/2 inch?  Is it securely attached along the edges? [302.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace carpet</li> <li>•</li> <li>•</li> </ul>
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**Controls – light switches, security and intercom systems, emergency/alarm boxes, etc.**

<p><b>2.50</b> Is there a clear floor space at least 30 inches wide by at least 48 inches long for a forward or parallel approach? [305.3]</p> <p>Are the operable parts no higher than 48 inches above the floor?*</p> <p>[309.3, 308]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change height of control</li> <li>•</li> <li>•</li> </ul> <p>*If constructed before 3/15/2012 and a parallel approach is provided, controls can be 54 inches above the floor</p>
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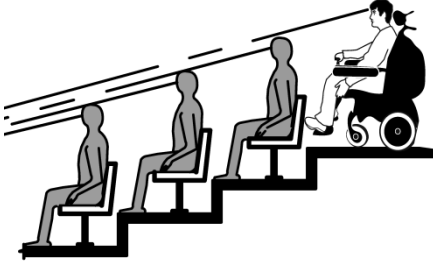
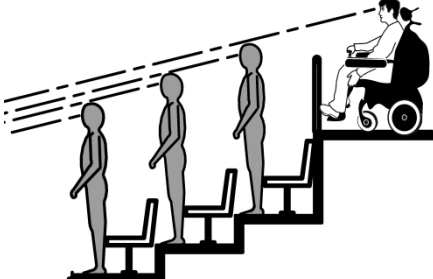

			<p>Photo #:</p>	
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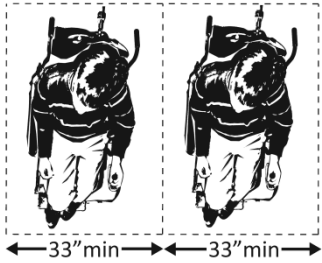
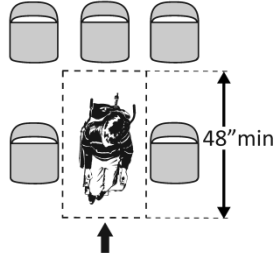
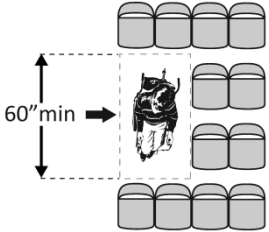
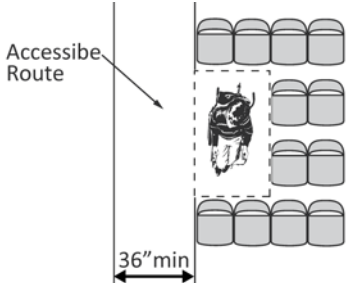
<p><b>2.51</b> Can the control be operated with one hand and without tight grasping, pinching, or twisting of the wrist? [309.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace control</li> <li>•</li> <li>•</li> </ul>
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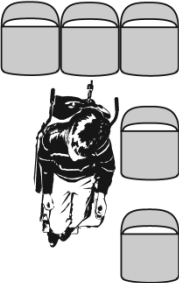

**Seating: Assembly Areas – theaters, auditoriums, stadiums, theater style classrooms, etc.**

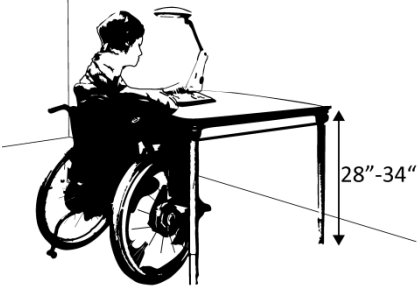
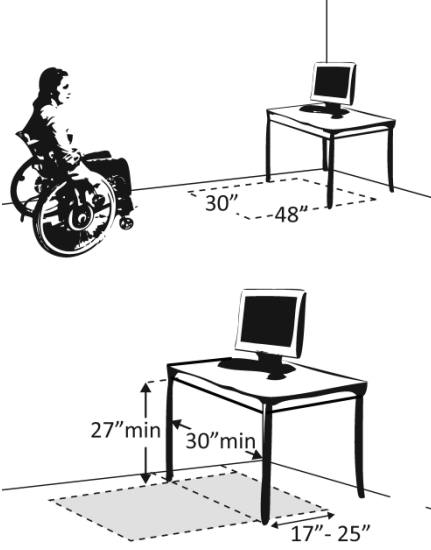
<p><b>2.52</b> Are an adequate number of wheelchair spaces provided? [221.2.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<table border="1"> <thead> <tr> <th># of Seats</th> <th>Wheelchair Spaces</th> </tr> </thead> <tbody> <tr> <td>4 - 25</td> <td>1</td> </tr> <tr> <td>26 - 50</td> <td>2</td> </tr> <tr> <td>51 - 150</td> <td>4</td> </tr> <tr> <td>151 - 300</td> <td>5</td> </tr> <tr> <td colspan="2">300+ see 2010 Standards 221.2.1.</td> </tr> </tbody> </table>	# of Seats	Wheelchair Spaces	4 - 25	1	26 - 50	2	51 - 150	4	151 - 300	5	300+ see 2010 Standards 221.2.1.		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to add wheelchair spaces</li> <li>•</li> <li>•</li> </ul>
# of Seats	Wheelchair Spaces															
4 - 25	1															
26 - 50	2															
51 - 150	4															
151 - 300	5															
300+ see 2010 Standards 221.2.1.																

<p><b>2.53</b> Are wheelchair spaces dispersed to allow location choices and viewing angles equivalent to other seating, including specialty seating areas that provide distinct services and amenities? [221.2.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to disperse wheelchair spaces</li> <li>•</li> <li>•</li> </ul>
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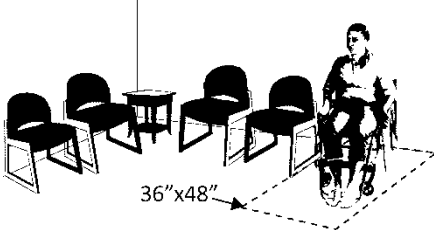
			Photo #:	
<p><b>2.54</b> Where people are expected to remain seated, do people in wheelchair spaces have a clear line of sight over and between the heads of others in front of them? [802.2.1.1, 802.1.1.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		Photo #:	<ul style="list-style-type: none"> <li>• Alter for line of sight</li> <li>•</li> <li>•</li> </ul>
<p><b>2.55</b> Where people are expected to stand, do people in wheelchair spaces have a clear line of sight over and between the heads of others in front of them? [802.2.2.1, 802.1.2.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		Photo #:	<ul style="list-style-type: none"> <li>• Alter for line of sight</li> <li>•</li> <li>•</li> </ul>
<p><b>2.56</b> If there is a single wheelchair space, is it at least 36 inches wide? [802.1.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		Photo #:	<ul style="list-style-type: none"> <li>• Alter space</li> <li>•</li> <li>•</li> </ul>

<p><b>2.57</b> If there are two adjacent wheelchair spaces, are they each at least 33 inches wide? [802.1.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>	 <p>← 33" min → ← 33" min →</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter spaces</li> <li>•</li> <li>•</li> </ul>
<p><b>2.58</b> If the wheelchair space can be entered from the front or rear, is it at least 48 inches deep? [802.1.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>	 <p>48" min</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter space</li> <li>•</li> <li>•</li> </ul>
<p><b>2.59</b> If the wheelchair space can only be entered from the side, is it at least 60 inches deep? [802.1.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>	 <p>60" min</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter space</li> <li>•</li> <li>•</li> </ul>
<p><b>2.60</b> Do wheelchair spaces adjoin, but not overlap, accessible routes? [802.1.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	 <p>Accessible Route</p> <p>36" min</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter spaces</li> <li>•</li> <li>•</li> </ul>

<p><b>2.61</b> Is there at least one companion seat for each wheelchair space? [221.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add companion seats</li> <li>•</li> <li>•</li> </ul>
<p><b>2.62</b> Is the companion seat located so the companion is shoulder-to-shoulder with the person in a wheelchair? [802.3.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter seating</li> <li>•</li> <li>•</li> </ul>
<p><b>2.63</b> Is the companion seat equivalent in size, quality, comfort and amenities to seating in the immediate area? [802.3.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add equivalent seating</li> <li>•</li> <li>•</li> </ul>
<p><b>Seating: At dining surfaces (restaurants, cafeterias, bars, etc.) and non-employee work surfaces (libraries, conference rooms, etc.)</b></p>				
<p><b>2.64</b> Are at least 5%, but no fewer than one, of seating and standing spaces accessible for people who use wheelchairs? [226.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Total #:</p> <p>Wheelchair #:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter to provide accessible spaces</li> <li>•</li> <li>•</li> </ul>
<p><b>2.65</b> Is there a route at least 36 inches wide to accessible seating? [403.5.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen route</li> <li>•</li> <li>•</li> </ul>

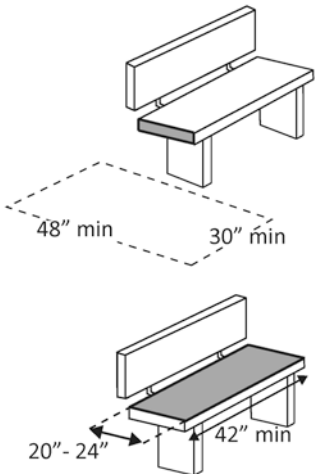
<p><b>2.66</b> At the accessible space(s), is the top of the accessible surface no less than 28 inches and no greater than 34 inches above the floor? [902.3]</p> <p>Note: If for children, the top should be no less than 26 inches and no greater than 30 inches above the floor.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter surface height</li> <li>•</li> <li>•</li> </ul>
<p><b>2.67</b> Is there a clear floor space at least 30 inches wide by at least 48 inches long for a forward approach? [305.3]</p> <p>Does it extend no less than 17 inches and no greater than 25 inches under the surface?</p> <p>Is there knee space at least 27 inches high and at least 30 inches wide? [306.2, 306.3]</p> <p>Note: If for children, the knee space may be 24 inches high.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter table or work surface</li> <li>• Add accessible table or work surface</li> <li>•</li> </ul>

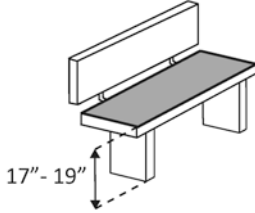
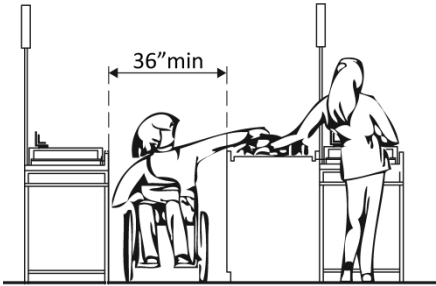
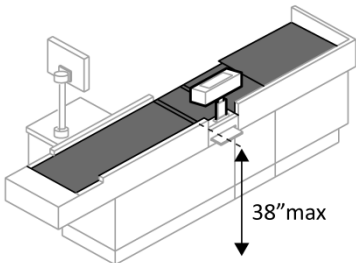
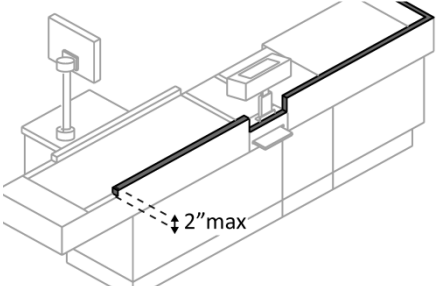
**Seating: General – reception areas, waiting rooms, etc.**

<p><b>2.68</b> Is there at least one space at least 36 inches wide by at least 48 inches long for a person in a wheelchair? [802.1.2, 802.1.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>	 <p>A diagram showing a person in a wheelchair positioned within a dashed rectangular area labeled "36"x48"". The person is facing right. To the left of the person are four chairs and a small table, representing furniture that must be moved to create the clear space.</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Move furniture and equipment to provide space</li> <li>•</li> <li>•</li> </ul>
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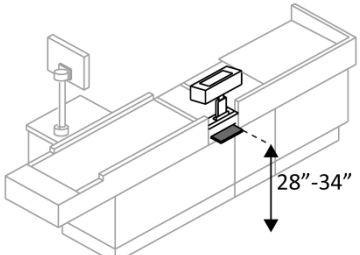

**Benches – In locker rooms, dressing rooms, fitting rooms** This section does not apply to any other benches.

<p><b>2.69</b> In locker rooms, dressing rooms and fitting rooms, is there at least one room with a bench? [222.1, 803.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add bench</li> <li>•</li> <li>•</li> </ul>
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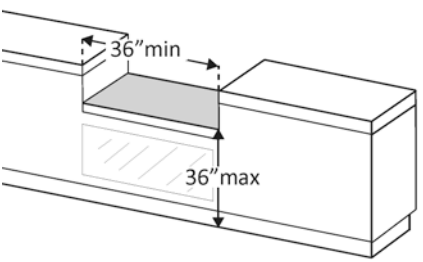
<p><b>2.70</b> Is there a clear floor space at least 30 inches wide by at least 48 inches long at the end of the bench and parallel to the short axis of the bench?</p> <p>Is the bench seat at least 42 inches long and no less than 20 inches and no greater than 24 inches deep?</p> <p>Does the bench have back support or is it affixed to a wall?</p> <p>Is the top of the bench seat no less than 17 inches and no greater than 19 inches above the floor? [903]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>	 <p>Two diagrams of a bench. The top diagram shows a side view of a bench with a dashed rectangle indicating a clear floor space of 48 inches minimum length and 30 inches minimum width at the end of the bench. The bottom diagram shows a top-down view of the bench seat with dimensions: 20 inches to 24 inches for the depth and 42 inches minimum for the length.</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Move bench</li> <li>• Replace bench</li> <li>• Affix bench to wall</li> <li>•</li> <li>•</li> </ul>
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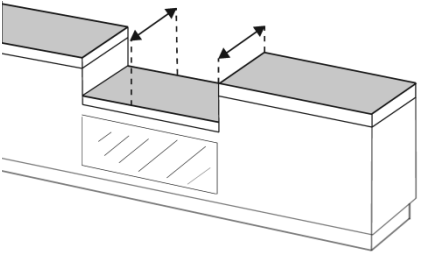
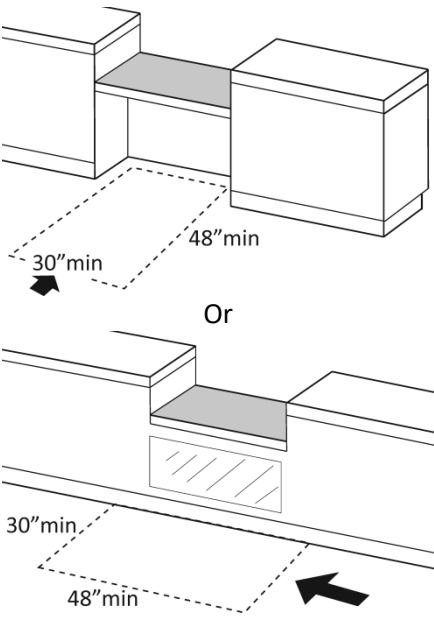
			<p>Photo #:</p>	
<p><b>Check-Out Aisles – supermarkets, large retail stores, etc.</b></p>				
<p><b>2.71</b> Is the aisle at least 36 inches wide? [904.3.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen aisle</li> <li>•</li> <li>•</li> </ul>
<p><b>2.72</b> Is the counter surface of at least one aisle no higher than 38 inches above the floor? [904.3.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Lower counter</li> <li>•</li> <li>•</li> </ul>
<p><b>2.73</b> Is the top of the counter edge protection no higher than 2 inches above the counter surface? [904.3.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Lower edge protection</li> <li>•</li> <li>•</li> </ul>

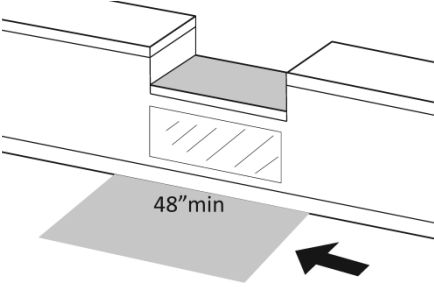
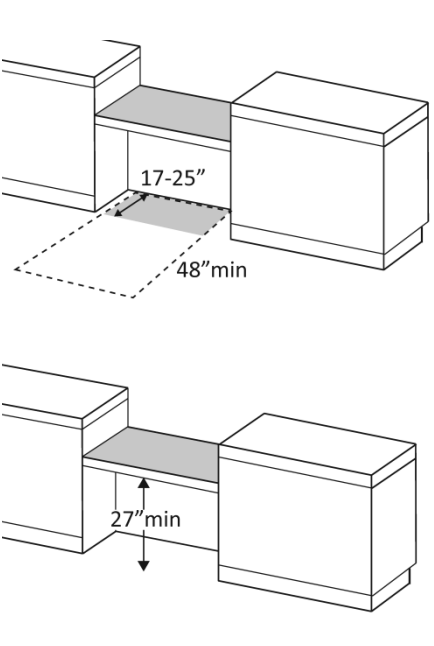


<p><b>2.74</b> If there is a check writing surface, is the top no less than 28 inches and no greater than 34 inches above the floor? [904.3.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter check writing surface</li> <li>•</li> <li>•</li> </ul>
<p><b>2.75</b> If there is more than one check-out aisle is there a sign with the International Symbol of Accessibility at the accessible aisle? [216.11]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add sign</li> <li>•</li> <li>•</li> </ul>

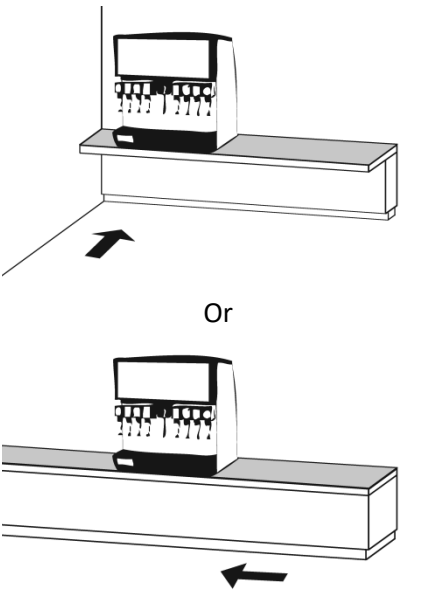
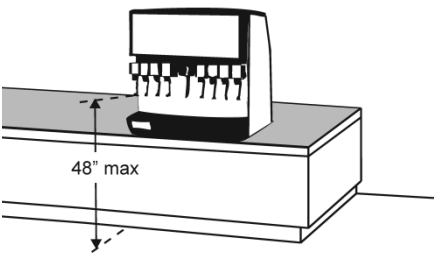
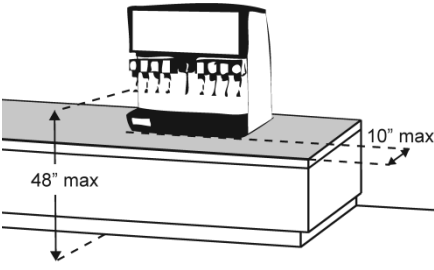
**Sales & Service Counters – banks, stores, dry cleaners, auto repair shops, fitness clubs, etc.**

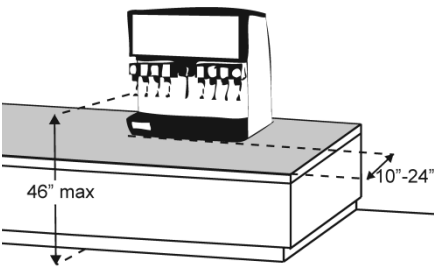
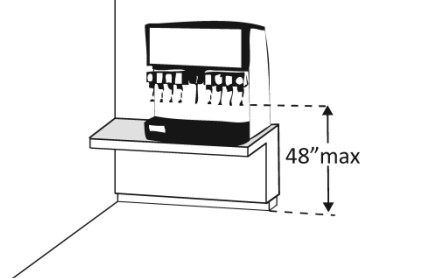
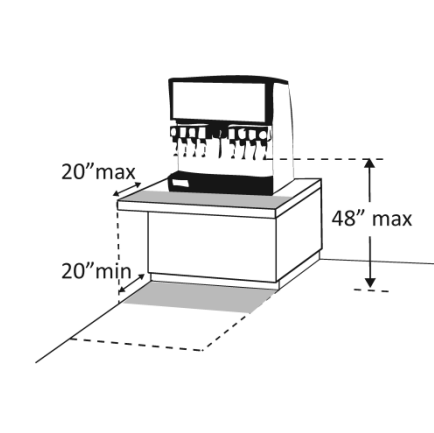
<p><b>2.76</b> Is there a portion of at least one of each type of counter that is:</p> <p>No higher than 36 inches above the floor?</p> <p>At least 36 inches long? [904.4.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Lower section of counter</li> <li>• Lengthen section of counter</li> <li>•</li> </ul>
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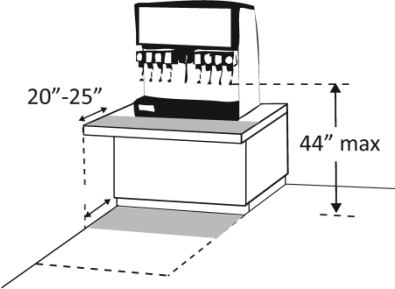
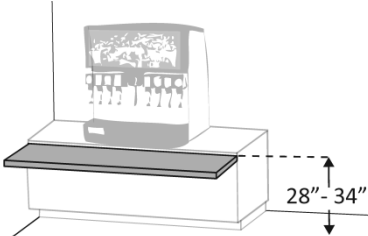
<p><b>2.77</b> Does the accessible portion of the counter extend the same depth as the counter top? [904.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter accessible portion</li> <li>•</li> <li>•</li> </ul>
<p><b>2.78</b> Is there a clear floor space at least 30 inches wide by at least 48 inches long for a forward or parallel approach? [904.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Parallel Measurement:</p> <p><input type="checkbox"/> Forward Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to provide a parallel or forward approach</li> <li>•</li> <li>•</li> </ul>

<p><b>2.79</b> For a parallel approach, is the clear floor space positioned with the 48 inches adjacent to the accessible length of counter? [904.4.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>	 <p>A line drawing of a counter with a sink. A shaded rectangular area on the floor represents the clear floor space, labeled "48\"min". An arrow points to this area from the right.</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• If a parallel approach is not possible, a forward approach is required</li> <li>•</li> <li>•</li> </ul>
<p><b>2.80</b> For a forward approach:  Do no less than 17 and no greater than 25 inches of the clear floor space extend under the accessible length of the counter? [306.2.2, 306.2.3]</p> <p>Is there at least 27 inches clearance from the floor to the bottom of the counter? [306.3.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>	 <p>The top diagram shows a counter with a cabinet underneath. A shaded area under the counter is labeled "17-25\"". A dashed line indicates a "48\"min" clear floor space extending under the counter. The bottom diagram shows a counter with a cabinet underneath. A vertical double-headed arrow indicates a "27\"min" clearance from the floor to the bottom of the counter.</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to provide knee clearance</li> <li>•</li> <li>•</li> </ul>

**Food Service Lines – in cafeterias, salad bars, eat-in fast food establishments, etc.**

<p><b>2.81</b> Does at least one of each type of self-service shelf or dispensing device for tableware, dishware, condiments, food and beverages have a forward or parallel approach? [904.5.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Forward</p> <p><input type="checkbox"/> Parallel</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to provide approach</li> <li>•</li> <li>•</li> </ul>
<p><b>2.82</b> If there is an unobstructed parallel approach, is the shelf or dispensing device no higher than 48 inches above the floor? [308.3.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Lower shelf and/or dispensing device</li> <li>•</li> <li>•</li> </ul>
<p><b>2.83</b> If there is a shallow obstruction no deeper than 10 inches with a parallel approach, is the shelf or dispensing device no higher than 48 inches above the floor? [308.3.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Lower shelf and/or dispensing device</li> <li>•</li> <li>•</li> </ul>

<p><b>2.84</b> If there is an obstruction no less than 10 inches and no greater than 24 inches deep with a parallel approach, is the shelf or dispensing device no higher than 46 inches above the floor? [308.3.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Lower shelf and/or dispensing device</li> <li>•</li> <li>•</li> </ul>
<p><b>2.85</b> If there is an unobstructed forward approach, is the shelf or dispensing device no higher than 48 inches above the floor? [308.2.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Lower shelf and/or dispensing device</li> <li>•</li> <li>•</li> </ul>
<p><b>2.86</b> If there is an obstruction no deeper than 20 inches with a forward approach:</p> <p>Does clear floor space extend under the obstruction that is at least the same depth as the obstruction?</p> <p>Is the shelf or dispensing device no higher than 48 inches above the floor? [904.5.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to provide knee space</li> <li>• Lower shelf and/or dispensing device</li> <li>•</li> </ul>

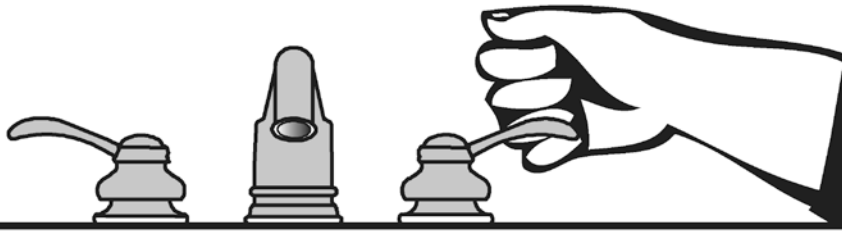
<p><b>2.87</b> If the obstruction is no less than 20 inches and no greater than 25 inches deep with a forward approach:</p> <p>Does clear floor space extend under the obstruction that is at least the same depth as the obstruction?</p> <p>Is the shelf or dispensing device no higher than 44 inches above the floor? [904.5.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure to provide knee space</li> <li>• Lower shelf and/or dispensing device</li> <li>•</li> </ul>
<p><b>2.88</b> If there is a tray slide, is the top no less than 28 inches and no greater than 34 inches above the floor? [904.5.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure</li> <li>•</li> <li>•</li> </ul>
	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>

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# The ADA Checklist for Existing Facilities

## Priority 3 - Toilet Rooms

Based on the 2010 ADA Standards for Accessible Design



Project \_\_\_\_\_

Building \_\_\_\_\_

Location \_\_\_\_\_

Date \_\_\_\_\_

Surveyors \_\_\_\_\_

Contact Information \_\_\_\_\_

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**When toilet rooms are open to the public they should be accessible to people with disabilities.**



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ADA National Network  
Questions on the ADA 800-949-4232 voice/tty

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Questions or comments on the checklist contact the New England ADA Center at 617-695-0085 voice/tty or [ADAinfo@NewEnglandADA.org](mailto:ADAinfo@NewEnglandADA.org)

For the full set of checklists, including the checklists for recreation facilities visit [www.ADAchecklist.org](http://www.ADAchecklist.org).

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Priority 3 – Toilet Rooms		Comments	Possible Solutions
<p><b>3.1</b> If toilet rooms are available to the public, is at least one toilet room accessible? (Either one for each sex, or one unisex.)</p> <p>Note: If toilet rooms are chiefly for children, e.g., in elementary schools and day care centers, use the children’s specifications in Toilets - 604.1, 604.8, 604.9, 609.4 and Lavatories and Sinks – 606.2.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure toilet rooms</li> <li>• Combine toilet rooms to create one unisex accessible toilet room</li> <li>•</li> </ul>
<p><b>3.2</b> Are there signs at inaccessible toilet rooms that give directions to accessible toilet rooms? [See 2010 ADA Standards for Accessible Design – 216.8]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	 <p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install signs</li> <li>•</li> <li>•</li> </ul>
<p><b>3.3</b> If not all toilet rooms are accessible, is there a sign at the accessible toilet room with the International Symbol of Accessibility? [216.8]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	 <p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install sign</li> <li>•</li> <li>•</li> </ul>
<p><b>Accessible Route</b></p>			
<p><b>3.4</b> Is there an accessible route to the accessible toilet room? [206.2.4]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter route</li> <li>•</li> <li>•</li> </ul>

Photo #:

**Signs at Toilet Rooms**

3.5 Do text characters contrast with their backgrounds? [703.5]  Yes  No

Are text characters raised? [703.2]  Yes  No

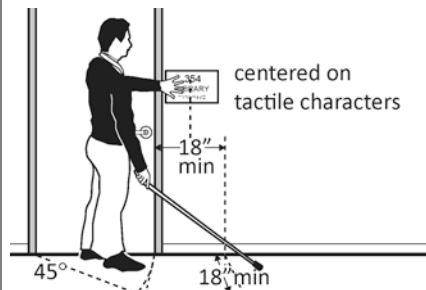
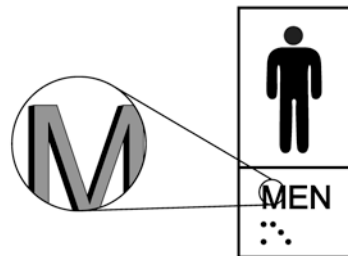
Is there Braille? [703.3]  Yes  No

Is the sign mounted: On the wall on the latch side of the door? [703.4.2]  Yes  No

Note: Signs are permitted on the push side of doors with closers and without hold-open devices.

With clear floor space beyond the arc of the door swing and 45-degree open position, at least 18 x 18 inches centered on the tactile characters? \* [703.4.2]  Yes  No

So the baseline of the lowest character is at least 48 inches above the floor and the  Yes  No Measurement:



- Install tactile sign
- Relocate sign
- 

\*If constructed before 3/15/2012 and a person may approach within 3 inches of the sign without encountering protruding objects or standing within the door swing, relocation not required

baseline of the highest character is no more than 60 inches above the floor? \* [703.4.1]

Note: If the sign is at double doors with one active leaf, the sign should be on the inactive leaf; if both leaves are active, the sign should be on the wall to the right of the right leaf.

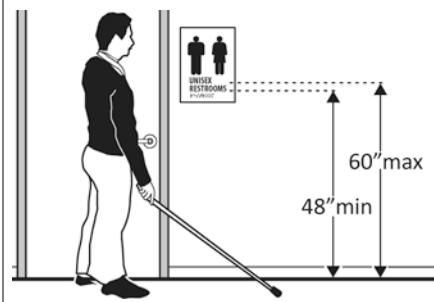


Photo #:

\*If constructed before 3/15/2012 and mounted no higher than 60 inches to the centerline of the sign, relocation is not required

**Entrance**

**3.6** Is the door opening width at least 32 inches clear, between the face of the door and the stop, when the door is open 90 degrees? [404.2.3]

Yes  No

Measurement:

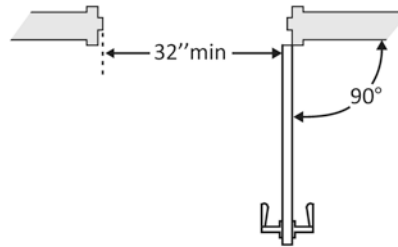


Photo #:

- Install offset hinges
- Alter the doorway
- 

**3.7** If there is a front approach to the pull side of the door is there at least 18 inches of maneuvering clearance beyond the latch side plus 60 inches clear depth?

Yes  No

Measurement:

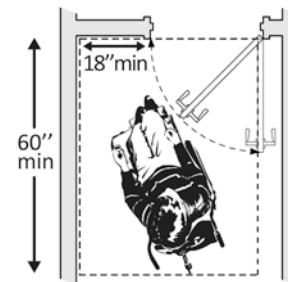
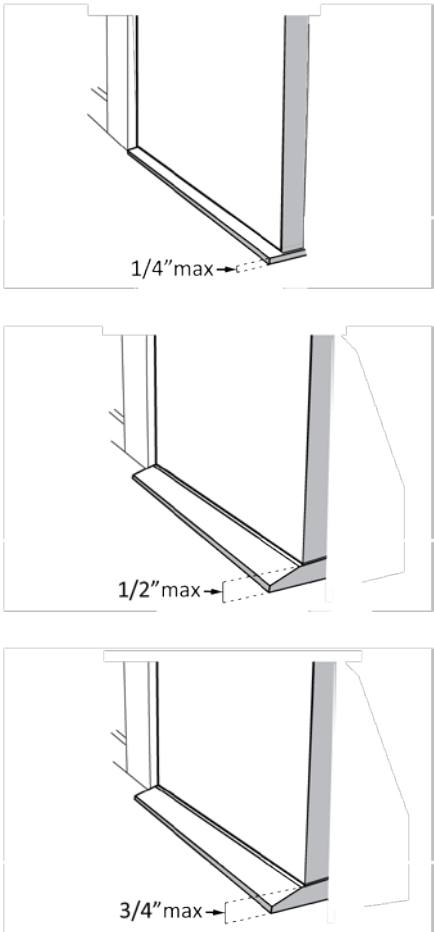

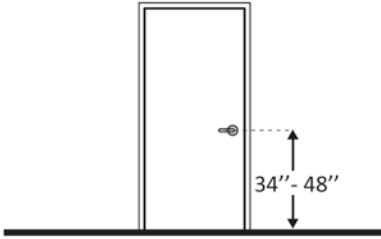
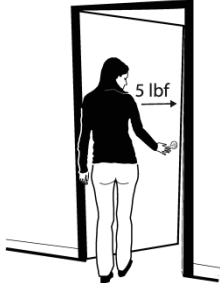
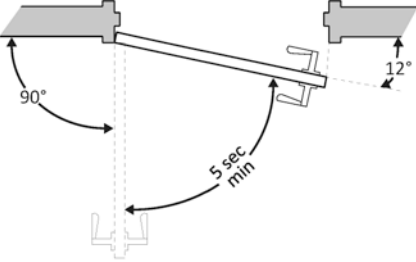


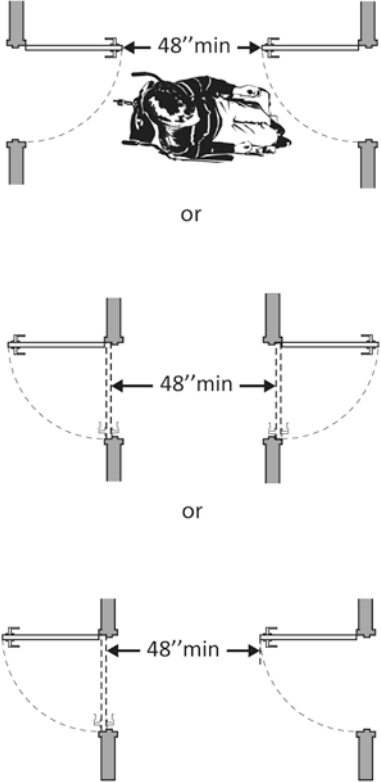
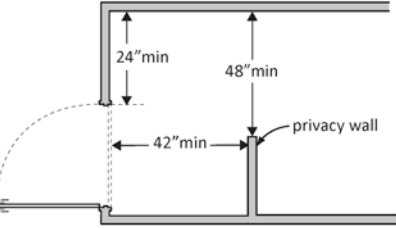
Photo #:

- Remove obstructions
- Reconfigure walls
- Add automatic door opener

On both sides of the door, is the

<p>floor surface of the maneuvering clearance level (no steeper than 1:48)? [404.2.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	
<p><b>3.8</b> If the threshold is vertical is it no more than ¼ inch high?  Or  No more than ½ inch high with the top ¼ inch beveled no steeper than 1:2, if the threshold was installed on or after the 1991 ADA Standards went into effect (1/26/93)?  Or  No more than ¾ inch high with the top ½ inch beveled no steeper than 1:2, if the threshold was installed before the 1991 ADA Standards went into effect (1/26/93)? [404.2.5, 303.2]  Note: The first ¼ inch of the ½ or ¾ inch threshold may be vertical; the rest must be beveled.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:  <input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:  <input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>	 <p>The diagrams illustrate three different threshold profiles. The first shows a 1/4 inch maximum height bevel. The second shows a 1/2 inch maximum height bevel. The third shows a 3/4 inch maximum height bevel. Each diagram includes a dashed line indicating the maximum height of the bevel and an arrow pointing to it.</p>	<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove or replace threshold</li> <li>•</li> <li>•</li> </ul>

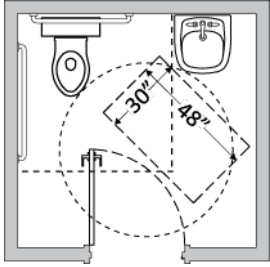
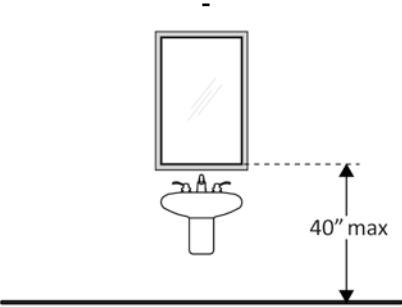
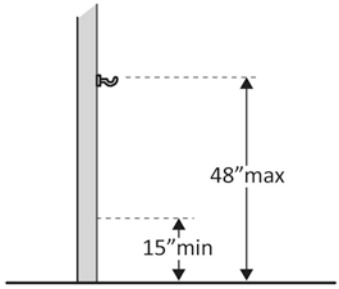
<p><b>3.9</b> Is the door equipped with hardware that is operable with one hand and does not require tight grasping, pinching or twisting of the wrist? Door handle?  Lock (if provided)? [404.2.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace inaccessible knob with lever, loop or push hardware</li> <li>• Add automatic door opener</li> <li>•</li> </ul>
<p><b>3.10</b> Are the operable parts of the door hardware mounted no less than 34 inches and no greater than 48 inches above the floor? [404.2.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No  Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change hardware height</li> <li>•</li> <li>•</li> </ul>
<p><b>3.11</b> Can the door be opened easily (5 pounds maximum force)? [404.2.9]  Note: You can use a pressure gauge or fish scale to measure force. If you do not have one you will need to judge whether the door is easy to open.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No  Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust or replace closers</li> <li>• Install lighter doors</li> <li>• Install power-assisted or automatic door openers</li> </ul>
<p><b>3.12</b> If the door has a closer, does it take at least 5 seconds to close from an open position of 90 degrees to a position of 12 degrees from the latch? [404.2.8.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No  Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust closer</li> <li>•</li> <li>•</li> </ul>

<p><b>3.13</b> If there are two doors in a series, e.g. vestibule, is the distance between the doors at least 48 inches plus the width of the doors when swinging into the space? [404.2.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove inner door</li> <li>• Change door swing</li> <li>•</li> </ul>
<p><b>3.14</b> If there is a privacy wall and the door swings out, is there at least 24 inches of maneuvering clearance beyond the door latch side and 42 inches to the privacy wall? [404.2.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reconfigure space</li> <li>•</li> <li>•</li> </ul>

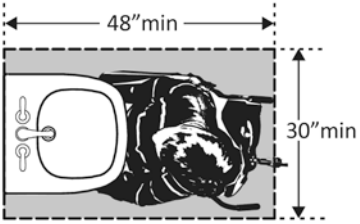
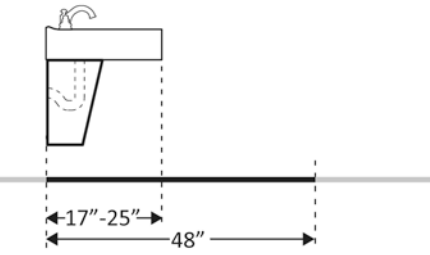
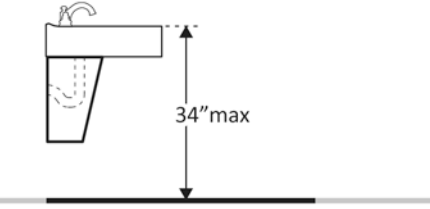
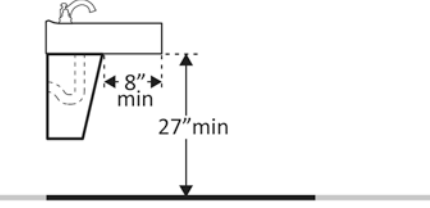
<p><b>3.15</b> If there is a privacy wall and the door swings in, is there at least 24 inches of maneuvering clearance beyond the door latch side and at least 48 inches to the privacy wall if there is no door closer or at least 54 inches if there is a door closer? [404.2.4]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Measurement:		Photo #:	<ul style="list-style-type: none"> <li>• Reconfigure space</li> <li>•</li> <li>•</li> </ul>
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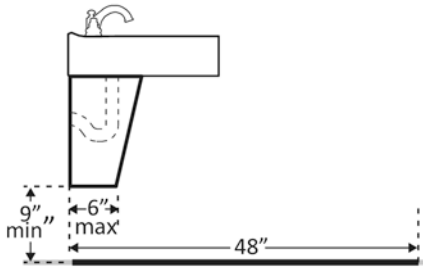
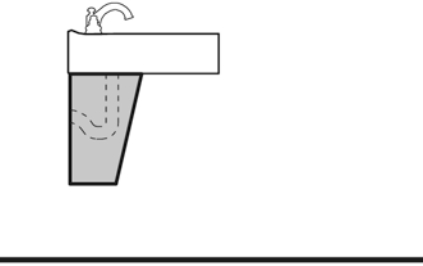
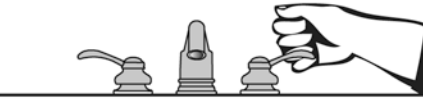
**In the Toilet Room**

<p><b>3.16</b> Is there a clear path to at least one of each type of fixture, e.g. lavatory, hand dryer, etc., that is at least 36 inches wide? [403.5.1]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Measurement:		Photo #:	<ul style="list-style-type: none"> <li>• Remove obstructions</li> <li>•</li> <li>•</li> </ul>
<p><b>3.17</b> Is there clear floor space available for a person in a wheelchair to turn around, i.e. a circle at least 60 inches in diameter or a T-shaped space within a 60-inch square? [603.2.1]</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Measurement:		Photo #:	<ul style="list-style-type: none"> <li>• Move or remove partitions, fixtures or objects such as trash cans</li> <li>•</li> <li>•</li> </ul>

<p><b>3.18</b> In a single user toilet room if the door swings in and over a clear floor space at an accessible fixture, is there a clear floor space at least 30 x 48 inches beyond the swing of the door? [603.2.3 Exception 2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reverse door swing</li> <li>• Alter toilet room</li> <li>•</li> </ul>
<p><b>3.19</b> If the mirror is over a lavatory or countertop, is the bottom edge of the reflecting surface no higher than 40 inches above the floor?</p> <p>Or</p> <p>If the mirror is not over the lavatory or countertop, is the bottom edge of the reflecting surface no higher than 35 inches above the floor?*</p> <p>[603.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>* If installed before 3/15/2012 and the bottom edge of the reflecting surface is no higher than 40 inches above the floor, lowering the mirror to 35 inches is not required</li> <li>• Lower the mirror</li> <li>• Add another mirror</li> <li>•</li> </ul>
<p><b>3.20</b> If there is a coat hook, is it no less than 15 inches and no greater than 48 inches above the floor?*</p> <p>[603.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust hook</li> <li>• Replace with or provide additional accessible hook</li> <li>•</li> <li>* If installed before 3/15/2010 and the clear floor space allows a parallel approach, the coat hook may be 54 inches above the floor.</li> </ul>



Lavatories The 2010 Standards refer to sinks in toilet rooms as lavatories.				
<p><b>3.21</b> Does at least one lavatory have a clear floor space for a forward approach at least 30 inches wide and 48 inches long? [606.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter lavatory</li> <li>• Replace lavatory</li> <li>•</li> </ul>
<p><b>3.22</b> Do no less than 17 inches and no greater than 25 inches of the clear floor space extend under the lavatory so that a person using a wheelchair can get close enough to reach the faucet? [306.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter lavatory</li> <li>• Replace lavatory</li> <li>•</li> </ul>
<p><b>3.23</b> Is the front of the lavatory or counter surface, whichever is higher, no more than 34 inches above the floor? [606.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter lavatory</li> <li>• Replace lavatory</li> <li>•</li> </ul>
<p><b>3.24</b> Is there at least 27 inches clearance from the floor to the bottom of the lavatory that extends at least 8 inches under the lavatory for knee clearance? [306.3.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter lavatory</li> <li>• Replace lavatory</li> <li>•</li> </ul>

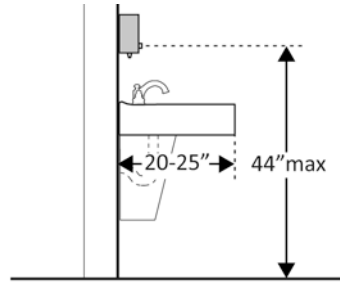
<p><b>3.25</b> Is there toe clearance at least 9 inches high? [306.3.3]</p> <p>Note: Space extending greater than 6 inches beyond the available toe clearance at 9 inches above the floor is not considered toe clearance.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter lavatory</li> <li>• Replace lavatory</li> <li>•</li> </ul>
<p><b>3.26</b> Are pipes below the lavatory insulated or otherwise configured to protect against contact? [606.5]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install insulation</li> <li>• Install cover panel</li> <li>•</li> </ul>
<p><b>3.27</b> Can the faucet be operated without tight grasping, pinching, or twisting of the wrist?</p> <p>Is the force required to activate the faucet no greater than 5 pounds? [606.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust faucet</li> <li>• Replace faucet</li> <li>•</li> </ul>
<p><b>Soap Dispensers and Hand Dryers</b></p>				

**3.28** Are the operable parts of the soap dispenser within one of the following reach ranges:

Above lavatories or counters no less than 20 inches and no greater than 25 inches deep: no higher than 44 inches above the floor?  
[308.2.2]

Yes  No

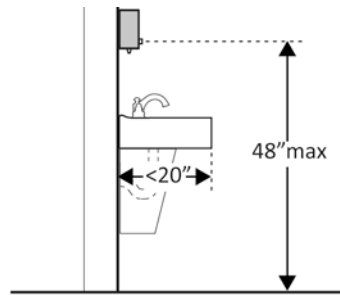
Measurement:



Above lavatories less than 20 inches deep: no higher than 48 inches above the floor?

Yes  No

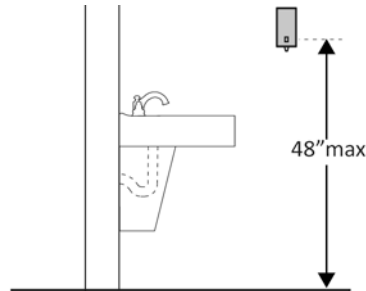
Measurement:



Not over an obstruction: no higher than 48 inches above the floor?  
[308.2]

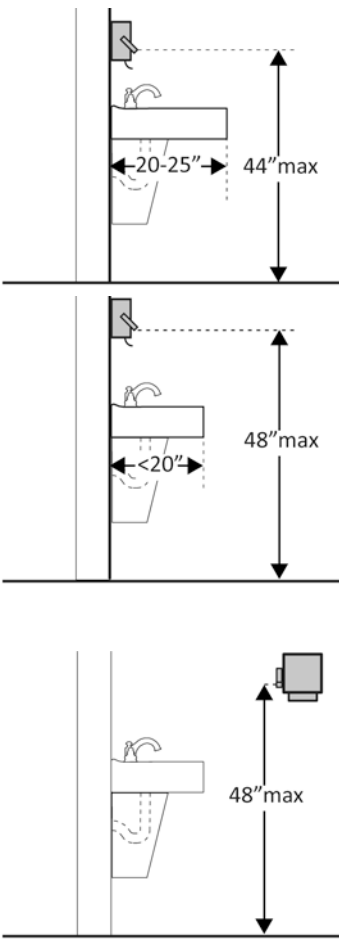
Yes  No

Measurement:



- Adjust dispensers
- Replace with or provide additional accessible dispensers
- 

Photo #:

<p><b>3.29</b> Are the operable parts of the hand dryer or towel dispenser within one of the following reach ranges:</p> <p>Above lavatories or counters no less than 20 inches and no greater than 25 inches deep: no higher than 44 inches above the floor?</p> <p>Above lavatories less than 20 inches deep: no higher than 48 inches above the floor?</p> <p>Not over an obstruction: no higher than 48 inches above the floor? [308.2]</p> <p>Can the operable parts of the hand dryer or towel dispenser be operated without tight grasping, pinching or twisting of the wrist?</p> <p>Is the force required to activate the hand dryer or towel dispenser no greater than 5 pounds? [309.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust dispensers</li> <li>• Replace with or provide additional accessible dispensers</li> <li>•</li> </ul>
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**Water Closets in Single-User Toilet Rooms and Compartments (Stalls)** The 2010 Standards refer to toilets as water closets.

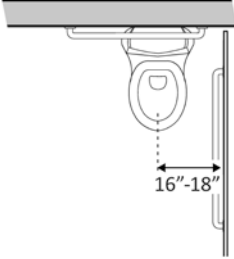
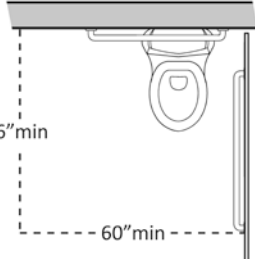
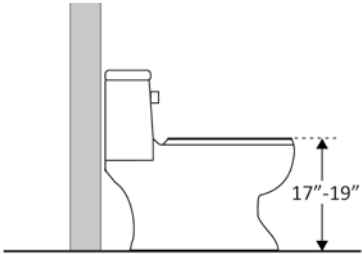
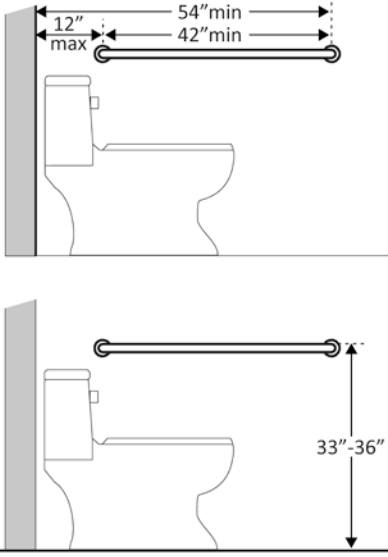
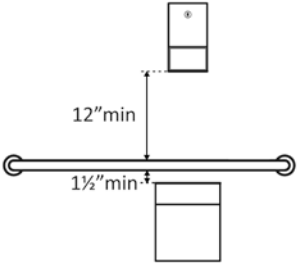
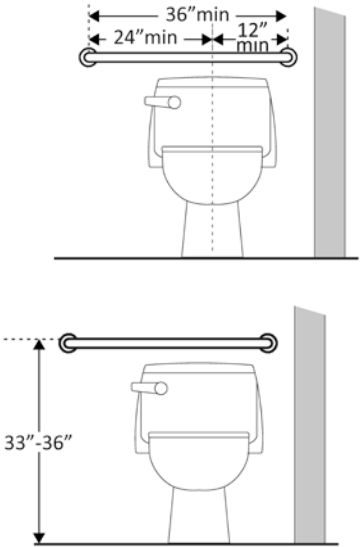
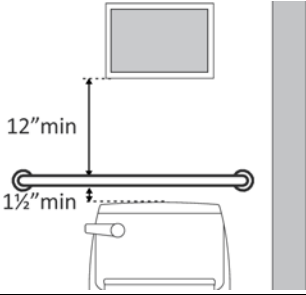
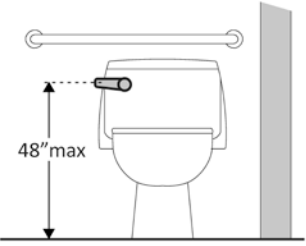
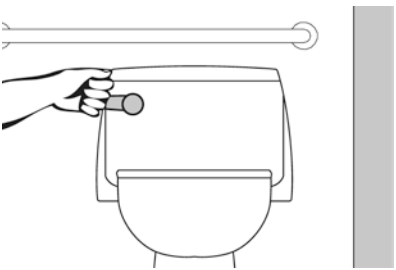
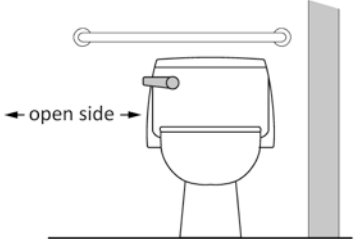
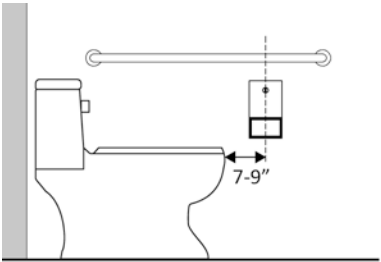
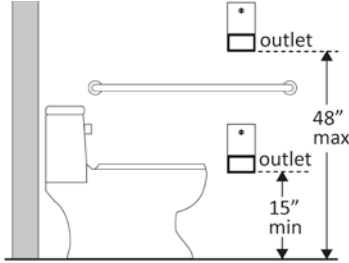
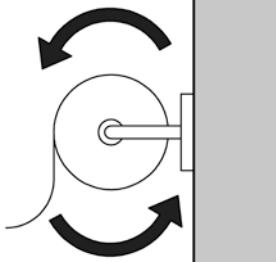
<p><b>3.30</b> Is the centerline of the water closet no less than 16 inches and no greater than 18 inches from the side wall or partition? [604.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Move toilet</li> <li>• Replace toilet</li> <li>• Move partition</li> <li>•</li> </ul>
<p><b>3.31</b> Is clearance provided around the water closet measuring at least 60 inches from the side wall and at least 56 inches from the rear wall?*</p> <p>[604.3.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<p>* If constructed before 3/15/12, clearances around water closets in single user toilet rooms can be 48 inches wide by 66 inches long or 48 inches wide by 56 inches long (depending on the approach to the water closet, see 1991 Standards Figure 28) and the lavatory may overlap that clearance if the door to the room does not swing into the required clearances at fixtures (such as lavatories, water closet and urinals) and the edge of the lavatory is at least 18 inches from the centerline of the water closet</p> <ul style="list-style-type: none"> <li>• Alter room/compartment for clearance</li> <li>•</li> <li>•</li> </ul>

			Photo #:	
<p><b>3.32</b> Is the height of the water closet no less than 17 inches and no greater than 19 inches above the floor measured to the top of the seat? [604.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		Photo #:	<ul style="list-style-type: none"> <li>• Adjust toilet height</li> <li>• Replace toilet</li> <li>•</li> </ul>
<p><b>3.33</b> Is there a grab bar at least 42 inches long on the side wall?</p> <p>Is it located no more than 12 inches from the rear wall?</p> <p>Does it extend at least 54 inches from the rear wall? [604.5.1]</p> <p>Is it mounted no less than 33 inches and no greater than 36 inches above the floor to the top of the gripping surface? [609.4]</p> <p>Is there at least 12 inches clearance between the grab bar</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		Photo #:	<ul style="list-style-type: none"> <li>• Install grab bar</li> <li>• Relocate grab bar</li> <li>• Relocate objects</li> <li>•</li> </ul>

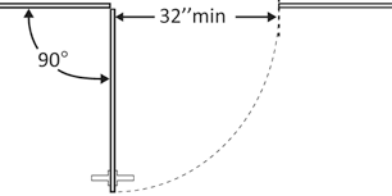
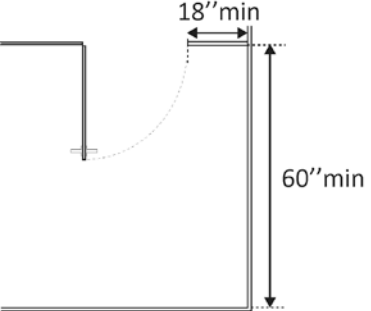
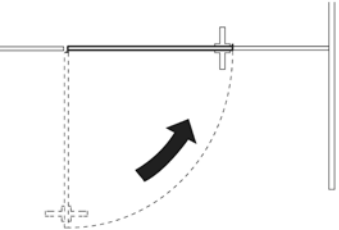
<p>and projecting objects above?*</p> <p>Is there at least 1½ inches clearance between the grab bar and projecting objects below?*</p> <p>Is the space between the wall and the grab bar 1 ½ inches? [609.3]</p>	<p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<p>* If constructed before 3/15/2012 grab bars do not need to be relocated; there are no space requirements above and below grab bars in the 1991 Standards</p>
<p><b>3.34</b> Is there a grab bar at least 36 inches long on the rear wall?</p> <p>Does it extend at least 12 inches from the centerline of the water closet on one side (side wall)?</p> <p>Does it extend at least 24 inches on the other (open) side? [604.5.2]</p> <p>Is it mounted no less than 33 inches and no greater than 36 inches above the floor to the top of the gripping surface? [609.4]</p> <p>Are there at least 12 inches clearance between the grab bar and protruding objects above?*</p> <p>Are there at least 1½ inches</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install grab bar</li> <li>• Relocate grab bar</li> <li>• Relocate objects</li> <li>•</li> </ul> <p>* If constructed before 3/15/2012 grab bars do not need to be relocated; there are no space</p>

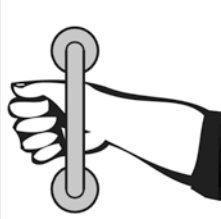

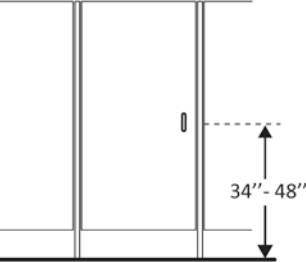
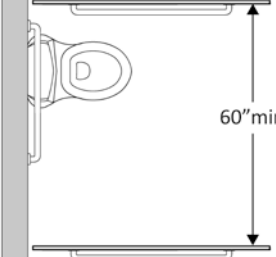
<p>clearance between the grab bar and projecting objects below?*</p> <p>Is the space between the wall and the grab bar 1½ inches? [609.3]</p>	<p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<p>requirements above and below grab bars in the 1991 Standards</p>
<p><b>3.35</b> If the flush control is hand operated, is the operable part located no higher than 48 inches above the floor? [604.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Move control</li> <li>• Install sensor with override button no higher than 48 inches</li> <li>•</li> </ul>
<p><b>3.36</b> If the flush control is hand operated, can it be operated with one hand and without tight grasping, pinching, or twisting of the wrist?</p> <p>Is the force required to activate the flush control no greater than 5 pounds? [605.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change control</li> <li>• Adjust control</li> <li>•</li> </ul>
<p><b>3.37</b> Is the flush control on the open side of the water closet? [604.6]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Move control</li> <li>•</li> <li>•</li> </ul>

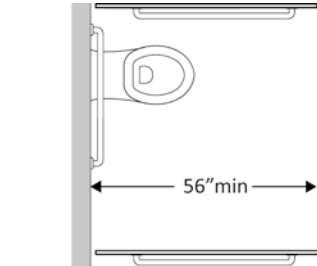
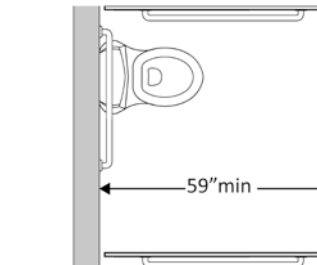
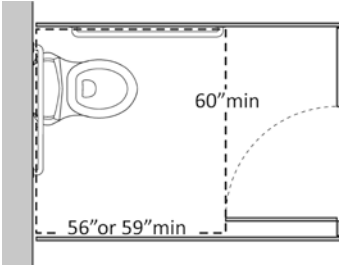


<p><b>3.38</b> Is the toilet paper dispenser located no less than 7 inches and no greater than 9 inches from the front of the water closet to the centerline of the dispenser?*</p> <p>[604.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p> <p>* If constructed before 3/15/2012 dispenser does not need to be relocated if it is within reach from the water closet seat; the 1991 Standards do not specify distance from the front of the water closet</p> <ul style="list-style-type: none"> <li>• Relocate dispenser</li> <li>•</li> <li>•</li> </ul>
<p><b>3.39</b> Is the outlet of the dispenser:</p> <p>Located no less than 15 inches and no greater than 48 inches above the floor?</p> <p>Not located behind grab bars?</p> <p>[604.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p> <ul style="list-style-type: none"> <li>• Relocate dispenser</li> <li>•</li> <li>•</li> </ul>
<p><b>3.40</b> Does the dispenser allow continuous paper flow?</p> <p>[604.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p> <ul style="list-style-type: none"> <li>• Adjust dispenser</li> <li>• Replace dispenser</li> <li>•</li> </ul>

**Toilet Compartments (Stalls)**

<p><b>3.41</b> Is the door opening width at least 32 inches clear, between the face of the door and the stop, when the door is open 90 degrees? [604.8.1.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen door width</li> <li>•</li> <li>•</li> </ul>
<p><b>3.42</b> If there is a front approach to the pull side of the door, is there at least 18 inches of maneuvering clearance beyond the latch side plus 60 inches clear depth? [604.8.1.2]</p> <p>Note: See 2010 Standards 604.8.1.2 Doors for maneuvering clearance requirements on the push side of the door and side approaches to the pull side of the door</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Remove obstructions</li> <li>•</li> <li>•</li> </ul>
<p><b>3.43</b> Is the door self-closing? [604.8.1.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add closer</li> <li>• Replace door</li> <li>•</li> </ul>

<p><b>3.44</b> Are there door pulls on both sides of the door that are operable with one hand and do not require tight grasping pinching or twisting of the wrist?*</p> <p>[604.8.1.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<p>* If constructed before 3/15/2012 door pulls do not need to be added; door pulls are not required in the 1991 Standards</p> <ul style="list-style-type: none"> <li>• Replace hardware</li> <li>•</li> <li>•</li> </ul>
<p><b>3.45</b> Is the lock operable with one hand and without tight grasping, pinching or twisting of the wrist?</p> <p>[309.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Replace lock</li> <li>•</li> <li>•</li> </ul>
<p><b>3.46</b> Are the operable parts of the door hardware mounted no less than 34 inches and no greater than 48 inches above the floor?</p> <p>[404.2.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Relocate hardware</li> <li>•</li> <li>•</li> </ul>
<p><b>3.47</b> Is the compartment at least 60 inches wide?</p> <p>[604.8.1.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen compartment</li> <li>•</li> <li>•</li> </ul>

<p><b>3.48</b> If the water closet is wall hung, is the compartment at least 56 inches deep? [604.8.1.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Widen compartment</li> <li>•</li> <li>•</li> </ul>
<p><b>3.49</b> If the water closet is floor mounted, is the compartment at least 59 inches deep? [604.8.1.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Alter compartment</li> <li>•</li> <li>•</li> </ul>
<p><b>3.50</b> If the door swings in, is the minimum required compartment area provided beyond the swing of the door (60 inches x 56 inches if water closet is wall hung or 59 inches if water closet is floor mounted)? [604.8.1.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Reverse door swing</li> <li>• Alter compartment</li> <li>•</li> </ul>

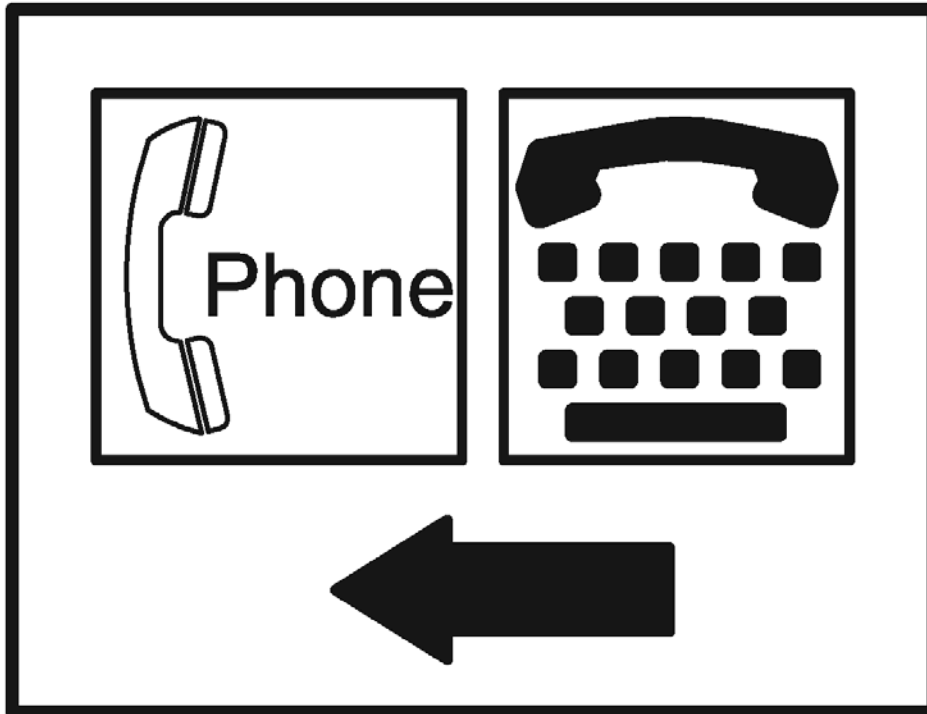
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## ADA Checklist for Existing Facilities

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# Priority 4 – Additional Access

Based on the 2010 ADA Standards for Accessible Design



Project \_\_\_\_\_

Building \_\_\_\_\_

Location \_\_\_\_\_

Date \_\_\_\_\_

Surveyors \_\_\_\_\_

Contact Information \_\_\_\_\_

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**Amenities such as drinking fountains and public telephones should be accessible to people with disabilities.**



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ADA National Network  
Questions on the ADA 800-949-4232 voice/tty

[www.ADAchecklist.org](http://www.ADAchecklist.org)

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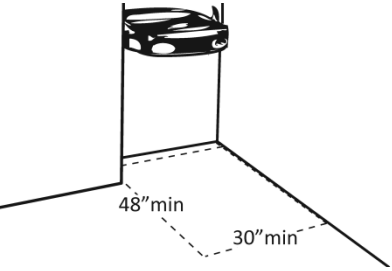
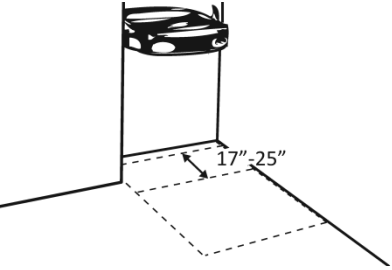
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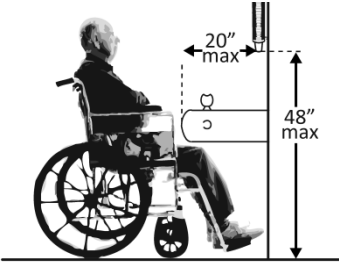
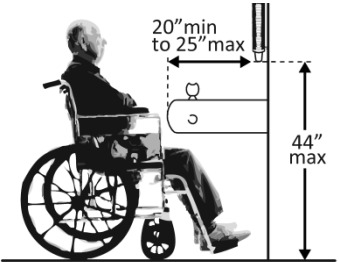

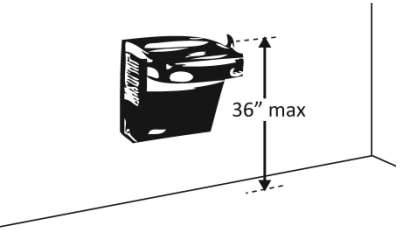
This checklist was produced by the New England ADA Center, a project of the Institute for Human Centered Design and a member of the ADA National Network. This checklist was developed under a grant from the Department of Education, NIDRR grant number H133A060092-09A. However the contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Federal Government.

Questions or comments on the checklist contact the New England ADA Center at 617-695-0085 voice/tty or [ADAinfo@NewEnglandADA.org](mailto:ADAinfo@NewEnglandADA.org)

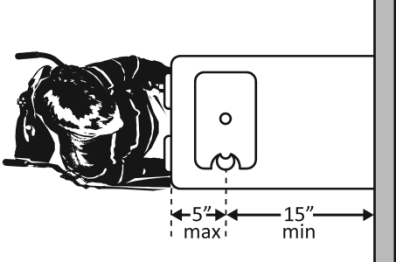
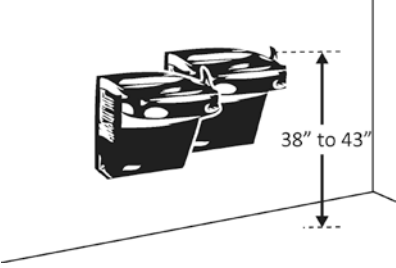
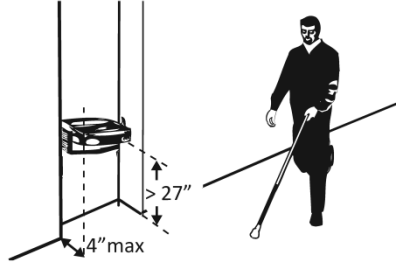
For the full set of checklists, including the checklists for recreation facilities visit [www.ADAchecklist.org](http://www.ADAchecklist.org).

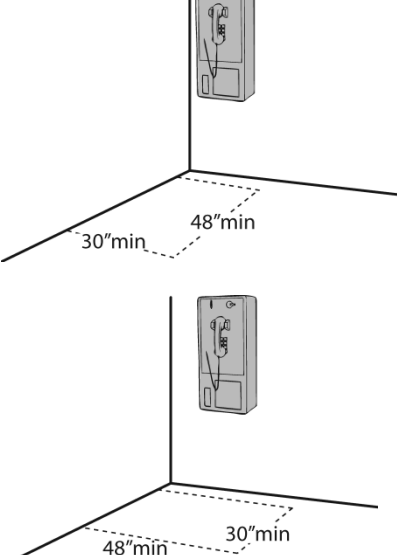
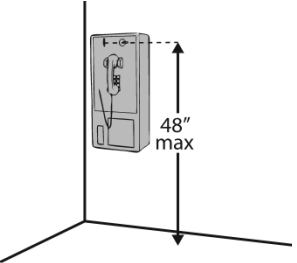
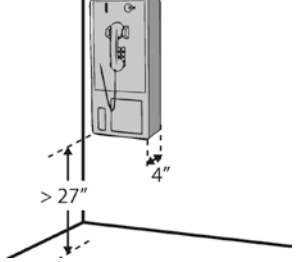
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Priority 4 – Additional Access		Comments	Possible Solutions
<b>Drinking Fountains</b>			
<p><b>4.1</b> Does at least one drinking fountain have a clear floor space at least 30 inches wide x at least 48 inches long centered in front of it for a forward approach?*</p> <p>[See 2010 ADA Standards for Accessible Design – 602.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p> <p>*If installed before 3/15/2012, a parallel approach is permitted and the clear floor space is not required to be centered</p> <ul style="list-style-type: none"> <li>• Alter space</li> <li>• Relocate drinking fountain</li> <li>• Install a drinking fountain in another location</li> </ul>
<p><b>4.2</b> If there is a forward approach, do no less than 17 inches and no greater than 25 inches of the clear floor space extend under the drinking fountain?</p> <p>[306.2.2, 306.2.3]</p> <p>Note: If the drinking fountain is primarily for children’s use and the spout is no more than 30 inches above the floor and no more than 3 ½ inches from the edge of the unit, a parallel approach is permitted.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p> <ul style="list-style-type: none"> <li>• Alter space</li> <li>• Replace drinking fountain</li> <li>•</li> </ul>

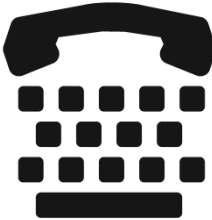
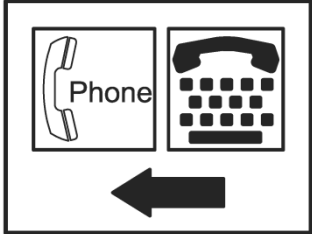
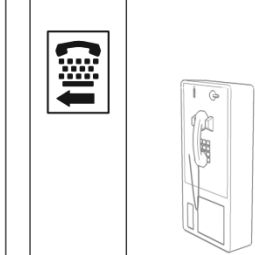

<p><b>4.3</b> If the drinking fountain is no deeper than 20 inches, are the operable parts no higher than 48 inches above the floor? [308.2.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust drinking fountain</li> <li>• Replace drinking fountain</li> <li>•</li> </ul>
<p><b>4.4</b> If the drinking fountain is no less than 20 inches and no greater than 25 inches deep, are the operable parts no higher than 44 inches above the floor? [308.2.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust drinking fountain</li> <li>• Replace drinking fountain</li> <li>•</li> </ul>
<p><b>4.5</b> Can the control be operated with one hand and without tight grasping, pinching or twisting of the wrist?</p> <p>Is the force required to activate the control no more than 5 pounds? [309.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Change control</li> <li>• Adjust control</li> <li>•</li> </ul>
<p><b>4.6</b> Is the spout outlet no higher than 36 inches above the floor? [602.4]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust drinking fountain</li> <li>• Replace drinking fountain</li> <li>•</li> </ul>



<p><b>4.7</b> Is the spout:</p> <p>At least 15 inches from the rear of the drinking fountain?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p>No more than 5 inches from the front of the drinking fountain? [602.5]</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust spout</li> <li>• Replace drinking fountain</li> <li>•</li> </ul>
<p><b>4.8</b> If there is more than one drinking fountain, is there at least one for standing persons? [211.2]</p> <p>Is the spout outlet no lower than 38 inches and no higher than 43 inches above the floor? [602.7]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust drinking fountain</li> <li>• Install new drinking fountain for standing height</li> <li>•</li> </ul>
<p><b>4.9</b> If the leading (bottom) edge of the fountain is higher than 27 inches above the floor, does the front of the fountain protrude no more than 4 inches into the circulation path? [307.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust drinking fountain</li> <li>• Replace drinking fountain</li> <li>• Add tactile warning such as permanent planter or partial walls</li> </ul>

Public Telephones				
<p><b>4.10</b> Does at least one telephone have a clear floor space at least 30 inches wide x at least 48 inches long for a parallel or forward approach? [704.2.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Move telephone</li> <li>• Install new telephone for clear floor space</li> <li>•</li> </ul>
<p><b>4.11</b> Is the highest operable part of the telephone no higher than 48 inches above the floor? [704.2.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust telephone</li> <li>•</li> <li>•</li> </ul>
<p><b>4.12</b> If the leading (bottom) edge of the telephone is higher than 27 inches above the floor, does the front of the telephone protrude no more than 4 inches into the circulation path? [307.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust telephone</li> <li>•</li> <li>•</li> </ul>

<p><b>4.13</b> Does at least one telephone have a volume control? [704.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install volume control</li> <li>• Replace telephone with one that has volume control</li> <li>•</li> </ul>
<p><b>4.14</b> Is the volume control identified by a pictogram of a telephone handset with radiating sound waves? [703.7.2.3]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add pictogram</li> <li>•</li> <li>•</li> </ul>
<p><b>4.15</b> Does at least one telephone have a TTY? [217.4.1]</p> <p>Note: TTY's are devices that employ interactive text-based communication through the transmission of coded signals across the telephone network. They are mainly used by people who are deaf and/or cannot speak.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install TTY</li> <li>•</li> <li>•</li> </ul>
<p><b>4.16</b> Is the touch surface of the TTY keypad at least 34 inches above the floor? [704.4.1]</p> <p>Note: If a seat is provided, the TTY is not required to be 34 inches minimum above the floor.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Measurement:</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Adjust height of TTY</li> <li>•</li> <li>•</li> </ul>

<p><b>4.17</b> Is the TTY identified by the International Symbol of TTY? [703.7.2.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add symbol</li> <li>•</li> <li>•</li> </ul>
<p><b>4.18</b> Do signs that provide direction to public telephones also provide direction to the TTY? [216.9.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add signs</li> <li>•</li> <li>•</li> </ul>
<p><b>4.19</b> Do telephones that do not have a TTY provide direction to the TTY? [216.9.2]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Add signs</li> <li>•</li> <li>•</li> </ul>
<p><b>Fire Alarm Systems</b></p>				
<p><b>4.20</b> If there are fire alarm systems, do they have both flashing lights and audible signals? [702.1]</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Photo #:</p>	<ul style="list-style-type: none"> <li>• Install audible and visual alarms</li> <li>•</li> <li>•</li> </ul>

Additional Excerpts from the U.S. Department of Justice  
Checklist for Emergency Shelters

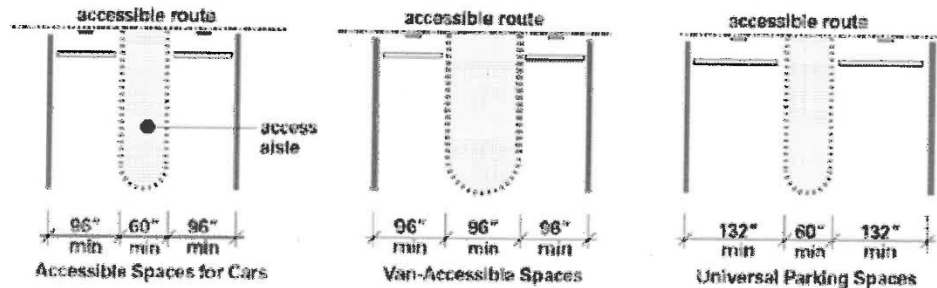
**2. Parking Spaces Checklist**

- B1. When parking areas are provided at the shelter site, count the total number of parking spaces provided in each area. Is the minimum number of accessible parking spaces provided, based on the total number of available parking spaces (see table below)? Yes \_\_\_\_ No \_\_\_\_  
 [ADA Standards § 4.1.2(5)(a)]

<u>Total Number of Parking Spaces in Each Parking Area</u>	<u>Required Minimum Number of Accessible Spaces</u>
1 - 25 .....	1 van-accessible space w/min. 96-inch-wide access aisle (van space)
26 - 50 .....	1 space w/min. 60-inch-wide access aisle + 1 van space
51 - 75 .....	2 spaces w/min. 60-inch-wide access aisle + 1 van space
76 - 100 .....	3 spaces w/min. 60-inch-wide access aisle + 1 van space
101 - 150.....	4 spaces w/min. 60-inch-wide access aisle + 1 van space

If more than 150 parking spaces are provided in a particular lot, see section 4.1.2 of the ADA Standards for the number of accessible parking spaces required.

- B2. Does each accessible parking space have its own, or share, an adjacent access aisle that is least 60 inches (5 feet) wide? Yes \_\_\_\_ No \_\_\_\_  
 [ADA Standards § 4.6.3]



**Accessible Parking Spaces Showing Minimum Width of Vehicle Space and Access Aisle**

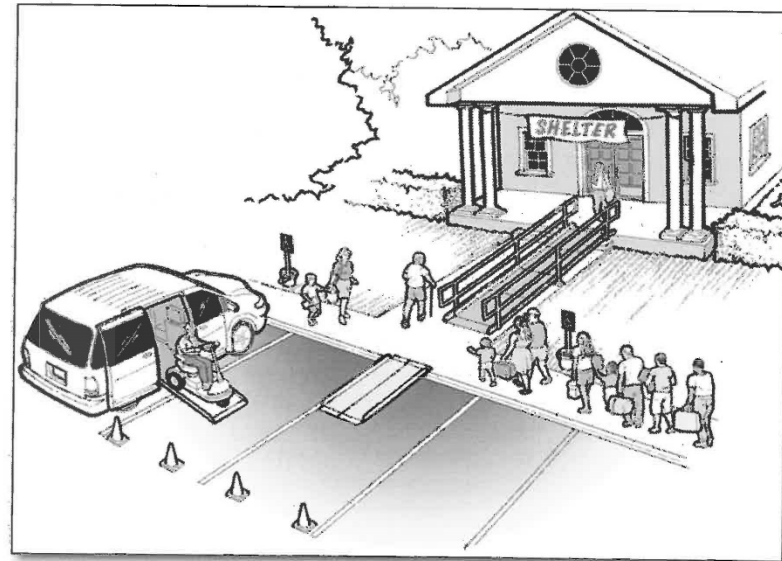
**Notes/Comments**

### 3. Temporary Solutions for Emergency Sheltering - Parking

**Problem:** Parking at the shelter facility either has no accessible parking, not enough accessible parking, or accessible parking spaces are not on level ground.

**Suggestion:** Find a fairly level parking area near the accessible entrance and mark the area for accessible parking spaces. Three regular parking spaces will make two accessible parking spaces with a shared access aisle. Provide a sign designating each accessible parking space. Ensure there is an accessible route from each access aisle to the accessible entrance.

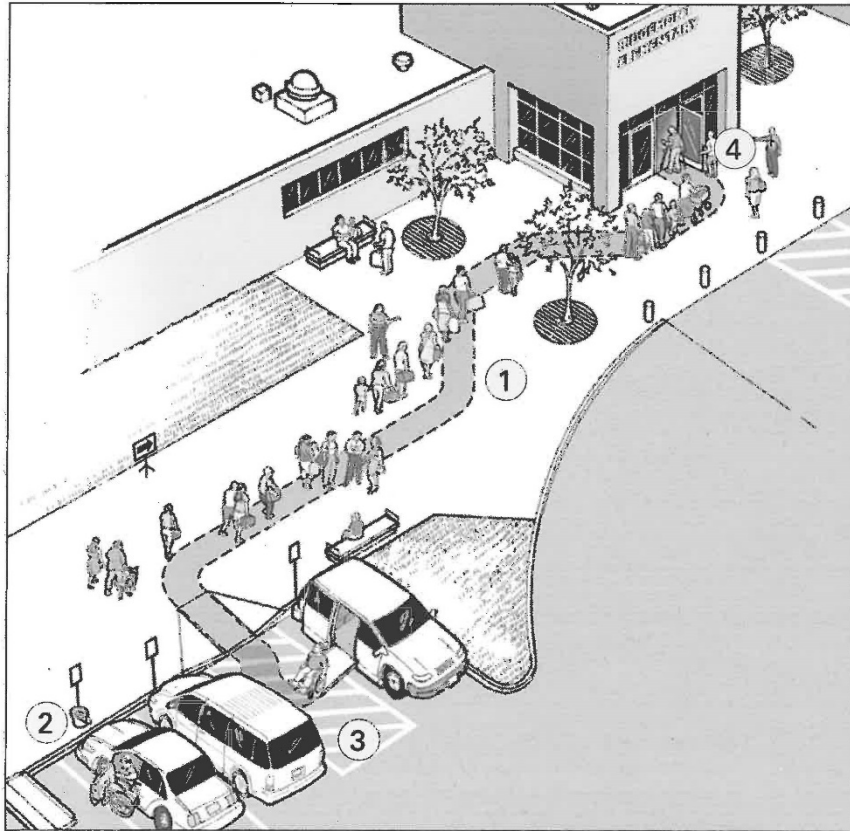
If temporary accessible spaces are used, mark the temporary accessible parking spaces with traffic cones or other temporary elements. Traffic cones can also be used to mark off an access aisle if designated accessible parking spaces lack an access aisle or if the access aisle is too narrow. At least one accessible parking space should be a van-accessible parking space with an access aisle that is at least 96 inches wide.



**Three standard parking spaces are converted into an accessible parking space with an access aisle. Cones mark the access aisle and a temporary curb ramp with edge protection connects to an accessible route to the shelter.**

## C. Sidewalks and Walkways

### 1. Typical Issues for Individuals Who Use Wheelchairs, Scooters, or other Mobility Devices



An accessible entrance to a shelter with accessible parking and an accessible drop-off area

An accessible route connects accessible passenger drop-off areas, accessible parking spaces, and other accessible elements, like a route from a bus stop, to an accessible building entrance. The accessible route is essential for people who have difficulty walking or who use wheelchairs or other mobility aids to get to the accessible entrance of the shelter. The accessible route must be at least 36 inches wide (it may narrow briefly to 32 inches wide where utility poles, signs, etc. are located along the accessible route). Abrupt level changes, steps, or steep running or cross slopes cannot be part of an accessible route. Where ramps are used, they cannot be steeper than 1:12. Ramps with a vertical rise of more than 6 inches must have handrails on both sides. Ramps must also have edge protection to stop wheelchairs from falling off the sides, and level landings at the top and bottom of each segment and where the ramp changes direction.

**Notes:**

- ① Accessible route
- ② Accessible drop-off area
- ③ Accessible parking with van-accessible parking space
- ④ Accessible entrance to shelter

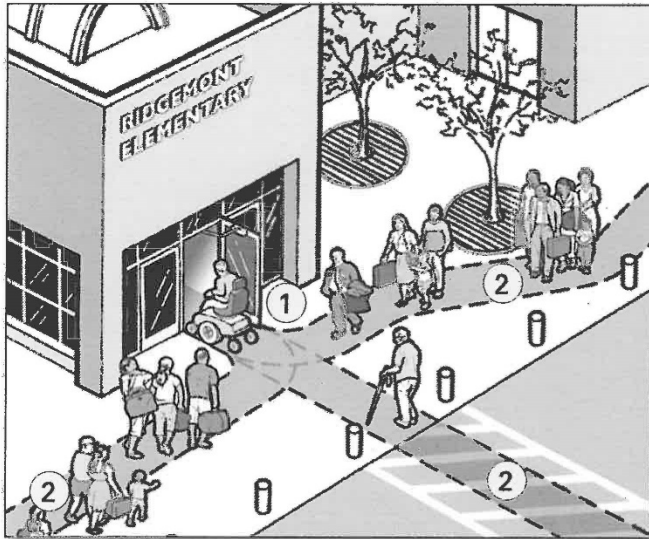


## D. Entering the Emergency Shelter

### Building Entrance

A shelter must have at least one accessible entrance that is on an accessible route. An accessible entrance must provide at least one accessible door with maneuvering space, accessible hardware, and enough clear width to allow people who use crutches, a cane, walker, scooter, or wheelchair to use it.

If the accessible entrance is not the main entrance to the facility that is being used as a shelter, signs must be located at inaccessible entrances to direct evacuees and volunteers to the accessible entrance. The accessible entrance must be unlocked when other shelter entrances are unlocked.



**Notes:**

- ① Accessible entrance to the shelter.
- ② Accessible route connecting accessible parking and drop-off area (if provided) to the accessible entrance.



**Examples of signs for inaccessible shelter entrances directing people to the accessible entrance.**

## F. Check-In Areas

A shelter usually has one or more check-in areas located near the entrance to the shelter. When check-in areas are provided, then at least one accessible check-in location should be provided. The accessible check-in area should be at the accessible entrance or signs should give directions to the accessible check-in area.

If a permanent reception counter is used for check-in, make sure to provide a writing surface at an accessible height for people who use a wheelchair, scooter, or other mobility device. This may be a part of the reception counter that is no higher than 36 inches above the floor, a folding shelf or an adjacent table, or a clip board.



**An accessible check-in location using a folding table with a height that people who use wheelchairs can easily reach.**

Notes/Comments

- F1. Is there an accessible route that connects the accessible entrance to areas that are likely to be used to register people as they arrive at the shelter? [ADA Standards § 4.3]
- F2. If there is a built-in reception or other type of counter, does it have a section that is at least three feet long that is no higher than 36 inches above the floor or is there a nearby surface that is not higher than 36 inches above the floor? [ADA Standards § 7.2]

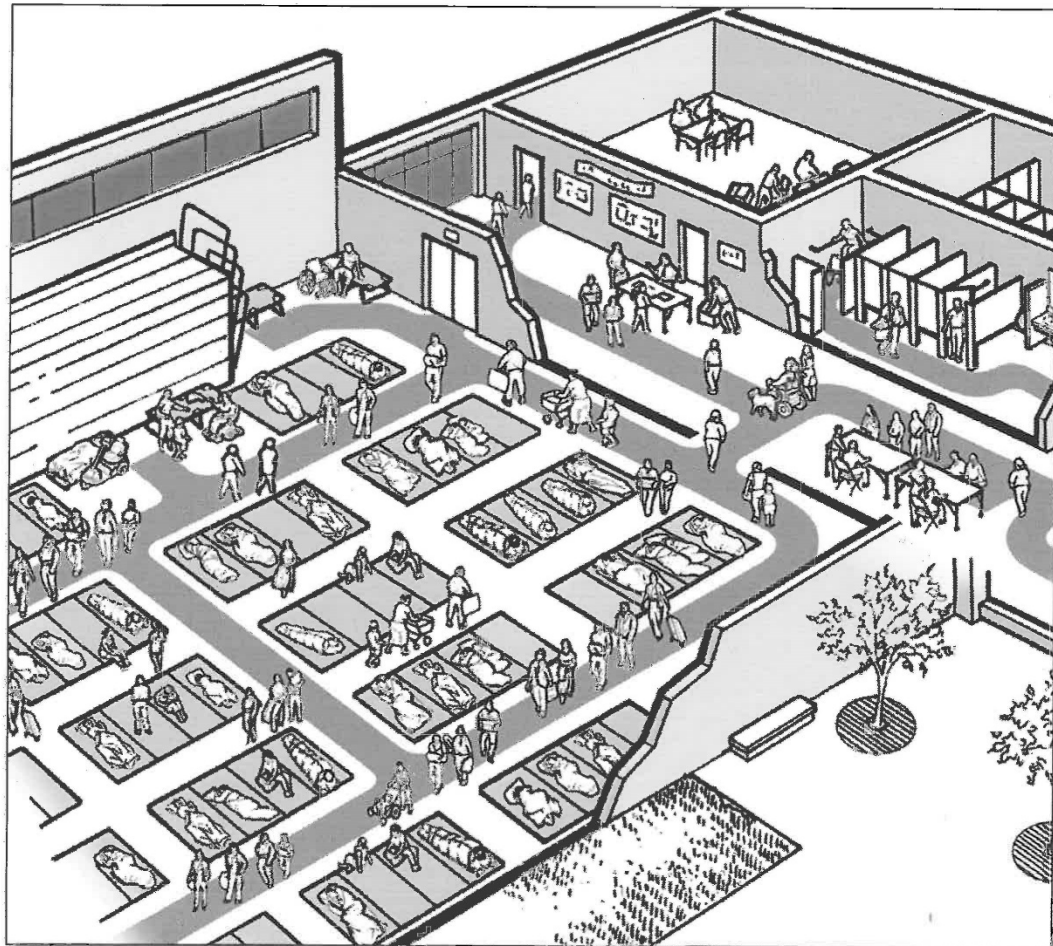
Yes \_\_\_\_ No \_\_\_\_

Yes \_\_\_\_ No \_\_\_\_

## Living at the Emergency Shelter

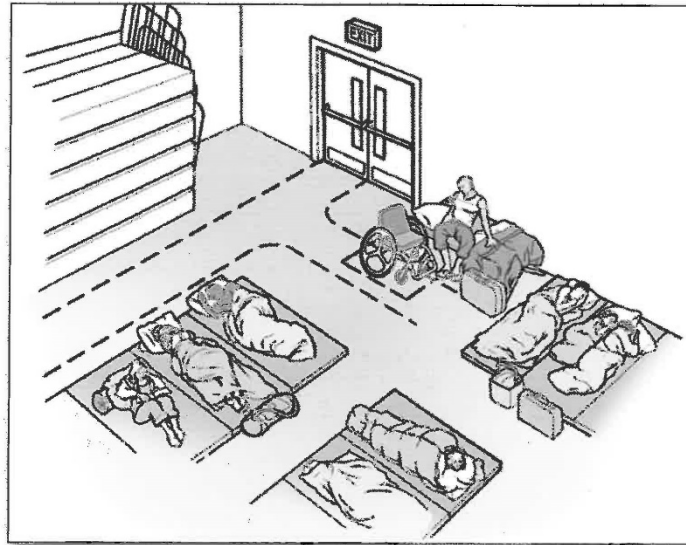
### G. Sleeping Areas

Each accessible sleeping area needs to be on an accessible route connecting it to other activity areas in the shelter, including toilet rooms and bathing areas. An accessible route with adequate circulation and maneuvering space provides access in the sleeping areas for people who use wheelchairs or scooters and this route serves each accessible bed or cot.



**Interior of one section of a shelter's sleeping area. The shaded pathway indicates the accessible route, which provides access to accessible beds, cots, and other activity areas in the space plus the toilet rooms and other activity areas in the shelter.**

Accessible cots have a sleeping surface at approximately the same height above the floor as the seat of a wheelchair (17 to 19 inches above the floor). When placed in several sections of the sleeping area, individuals who use a wheelchair, scooter, or other mobility device will be able to sleep near their family or other companions. An accessible route is needed to provide access to each accessible cot and a clear space at least 36 inches wide is needed along the side of the cot to make it possible to transfer between the mobility device and the cot. A preferred location for accessible cots is to have one side against a wall. This helps to stabilize the cot and the wall can act as a backrest when the person sits up on the cot.



An accessible cot positioned against a wall. Dashed lines indicate the accessible route and clear floor space next to the cot.

Notes/Comments

G1. Is there an accessible route, at least 36 inches wide, that connects each sleeping area with other shelter activity areas? Yes \_\_\_ No \_\_\_

*Note: it may narrow to 32 inches wide for up to 2 feet in length.  
[ADA Standards § 4.3.2(3)]*

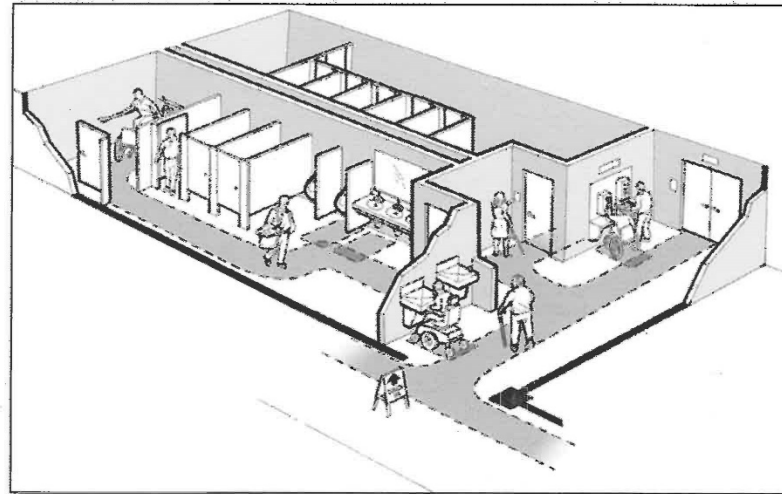
G2. Is the accessible route free of steps and abrupt level changes over 1/2 inch? Yes \_\_\_ No \_\_\_

*Note: level changes between 1/4 inch and 1/2 inch should be beveled.  
[ADA Standards §§ 4.1.3(1), 4.3.8]*

*Note: Although the facility survey cannot check the accessibility of the cots because they will not be installed until the shelter is in use, planning for setting up the sleeping area and for arranging the cots and mats should include providing space for an accessible route and clear floor space at each accessible cot. Cots used by people who are blind or who have low vision should be in an easily locatable area.*

## H. Restrooms and Showers

At least one set of toilet rooms serving the shelter must be accessible to individuals who use a wheelchair, scooter, or other mobility device. In large shelters where more than one set of toilet rooms is needed to serve the occupants, it may be necessary to provide additional accessible toilet facilities or to establish policies to assure that individuals with disabilities have access to the accessible facilities.



Interior of an accessible toilet room showing accessible route, clear floor space at accessible fixtures, and the wide accessible toilet stall.

Notes/Comments

- H1. If a sign is provided at the toilet room entrance (e.g. Men, Women, Boys, Girls, etc.), is a sign with raised characters and Braille mounted on the wall adjacent to the latch? [ADA Standards § 4.30.6] Yes \_\_\_\_ No \_\_\_\_

If No, install a sign with raised characters and Braille on the wall adjacent to the latch side of the door and centered 60 inches above the floor and leave the existing sign in place on the door if removing it will damage the door.

*Note: an additional sign may be mounted on the toilet room door but this cannot be considered to be the accessible sign which must be mounted on the wall adjacent to the latch side of the door.*

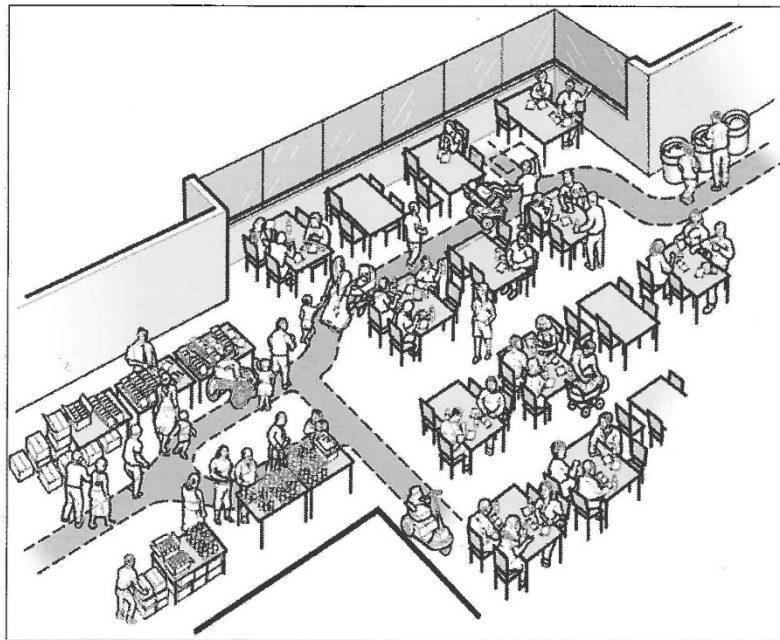
**ADA Emergency Shelter Checklist**

- H2. Does the door to the toilet room provide at least 32 inches clear passage width when the door is open 90 degrees? [ADA Standards § 4.13.5] Yes \_\_\_\_ No \_\_\_\_
- H3. Is the hardware (e.g., lever, pull, panic bar) usable with one hand without tight grasping, pinching, or twisting of the wrist? [ADA Standards § 4.13.9] Yes \_\_\_\_ No \_\_\_\_  
 If No, can the door be propped open without compromising privacy, or can the hardware be modified by adding new accessible hardware, or adapting or replacing hardware?
- H4. On the pull side of the door, is there at least 18 inches clearance provided on the latch side if the door is not automatic or power-operated? [ADA Standards § 4.13.6, Fig. 25] Yes \_\_\_\_ No \_\_\_\_
- H5. If there is a raised threshold, is it no higher than 3/4 inch at the door and beveled on both sides? [ADA Standards §§ 4.1.6(3)(d)(ii), 4.13.8] Yes \_\_ No\_\_ NA\_\_  
 If No, replace threshold with one with beveled sides or add a sloped insert.
- H6. If the entry has a vestibule, is there a 30-inch by 48-inch clear floor space inside the vestibule where a wheelchair or scooter user can be outside the door swing? [ADA Standards § 4.13.7] Yes \_\_\_\_ No \_\_\_\_  
 If No, possible solutions include leaving the inner door open or removing the outer door.

Notes/Comments

## K. Eating Areas

An accessible route, at least 36 inches wide and without steps or steep slopes, must be provided to and throughout the food service and eating areas of the shelter. The accessible route allows people who use wheelchairs, scooters, and other mobility devices to get to all of the food and drink items in the shelter and to accessible tables and seating.



A serving and eating area in a shelter are shown above. The shaded pathway illustrates the accessible route connecting the entrance, serving areas, accessible seats and tables, and the exit.

Notes/Comments

**ADA Emergency Shelter Checklist**

- K1. Is there an accessible route, at least 36 inches wide, that connects each of the shelter activity areas with the food service and eating areas (it may narrow to 32 inches wide for up to 2 feet in length)?  
[ADA Standards § 4.3.2(3)] Yes \_\_\_\_ No \_\_\_\_
- K2. Is there an accessible route that is at least 36 inches wide that connects accessible tables with serving, condiment, and dispenser areas?  
[ADA Standards § 5.3; 4.3.8] Yes \_\_\_\_ No \_\_\_\_
- K3. In each eating area, if tables with fixed seats are provided, do at least 5% of each type of table with fixed seats have accessible locations with knee space at least 27 inches high, at least 19 inches deep, and at least 30 inches wide with a table top 28 to 34 inches above the floor?  
[ADA Standards § 5.1] Yes \_\_\_\_ No \_\_\_\_  
*Note: If movable tables and chairs are used as shown, then locate at least 5% of the tables adjacent to an accessible route. Tables can be relocated as needed during operation of the shelter.*
- K4. If built-in food, drink, condiment, and tableware dispensers are provided, are dispensers and operating controls mounted no higher than 54 inches above the floor if clear floor space is provided for a side approach?  
[ADA Standards § 5.5] Yes \_\_\_\_ No \_\_\_\_
- K5. If the operating controls are set back 10 to 24 inches from the front edge of the counter or table are they no higher than 46 inches above the floor?  
[ADA Standards § 5.5] Yes \_\_\_\_ No \_\_\_\_
- K6. If food service lines are provided, is an accessible route provided (at least 36 inches wide) and are the tray slides no higher than 34 inches above the floor? [ADA Standards § 5.5] Yes \_\_\_\_ No \_\_\_\_

**Notes/Comments**



## OTHER ISSUES

### L. Availability of Electrical Power

Emergency shelters should have a way to provide a back-up power supply when the electrical service is interrupted. The back-up power is needed to provide refrigeration of medicines, operation of supplemental oxygen and breathing devices, and for charging the batteries of power wheelchairs and scooters. Individuals whose medications (certain types of insulin, for example) require constant refrigeration need to know if a shelter provides supplemental power for refrigerators or ice-packed coolers. Individuals who use medical support systems, such as supplemental oxygen, or who require periodic breathing treatments using powered devices rely on a stable source of electricity. These individuals must have access to electric power from a generator or other source of electricity while at a shelter.

In general, in each community or area where a shelter is provided, a facility must have one or more back-up generators or other sources of electricity so that evacuees with a disability who rely on powered devices can have access to electrical power while at the shelter.



- L1. Is there a backup source of electrical power for the facility? Yes \_\_\_\_ No \_\_\_\_
- L2. Is there a refrigerator or other equipment, such as coolers with a good supply of ice, at the shelter? Yes \_\_\_\_ No \_\_\_\_

Notes/Comments

### M. Single-User or "Family" Toilet Room

In many schools and large facilities where emergency shelters are often located, single-user toilet rooms may be provided for staff. In those facilities built or altered since the ADA went into effect, single-user toilet rooms should have accessible features that could be useful during shelter operation. These features include an accessible entrance and turning and maneuvering spaces. These rooms should also have been built to allow grab bars, accessible controls, and accessible hardware to be easily installed.

As part of the planning for operating an emergency shelter, facilities operators should consider using an available staff toilet room, if provided, as a single-user or "family" toilet room. When provided in addition to large accessible toilet rooms, this type of facility permits a person with a disability to receive assistance from a person of the opposite sex.

- M1. If a sign is provided at the toilet room entrance (e.g. Men, Women, Boys, Girls, etc.), is a sign with raised characters and Braille mounted on the wall adjacent to the latch side of the door and centered 60 inches above the floor? [ADA Standards § 4.1.3(16)(a)]
- Yes \_\_\_\_ No \_\_\_\_

If No, install a sign with raised characters and Braille on the wall adjacent to the latch side of the door and centered 60 inches above the floor and leave the existing sign in place on the door if removing it will damage the door.

*Note: an additional sign may be mounted on the toilet room door but this cannot be considered to be the accessible sign which must be mounted on the wall adjacent to the latch side of the door.*

- M2. Does the door to the toilet room provide at least 32 inches clear passage width when the door is open 90 degrees? [ADA Standards § 4.13.5]
- Yes \_\_\_\_ No \_\_\_\_

- M3. Is the hardware (e.g., lever, pull, etc.) usable with one hand without tight grasping, pinching, or twisting of the wrist? [ADA Standards § 4.13.9]
- Yes \_\_\_\_ No \_\_\_\_

If No, add new accessible hardware or adapt/replace hardware.

Notes/Comments

M4. On the latch, pull side of the door, is there at least 18 inches clearance provided if the door is not automatic or power operated? Yes \_\_\_\_ No \_\_\_\_  
 [ADA Standards § 4.13.6; Fig. 25]

M5. If there is a raised threshold, is it no higher than 3/4 inch at the door and beveled on both sides? [ADA Standards §§ 4.1.6(3)(d)(ii); 4.13.8] Yes \_\_\_\_ No \_\_\_\_  
 If No, replace threshold with one with beveled sides or add a sloped insert.

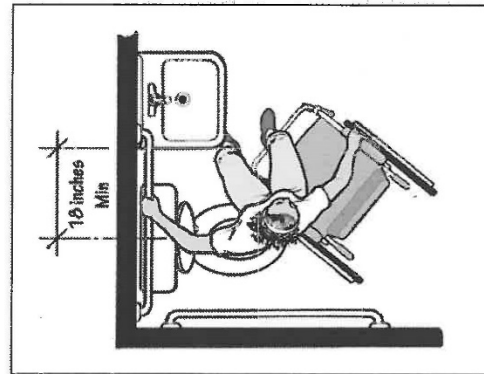
M6. Inside the room is there an area for a person who uses a wheelchair to turn around - either a 60-inch diameter circle or a "T"-shaped turn area? Yes \_\_\_\_ No \_\_\_\_  
 [ADA Standards §§ 4.22.3; 4.2.3]

M7. If the door swings into the room, does the door swing not overlap the required clear floor space for the toilet or lavatory? Yes \_\_\_\_ No \_\_\_\_  
 [ADA Standards §§ 4.22.2; 4.2.4.1]

*Note: In the figure below the clear floor space for the toilet extends at least 66 inches from the back wall.*

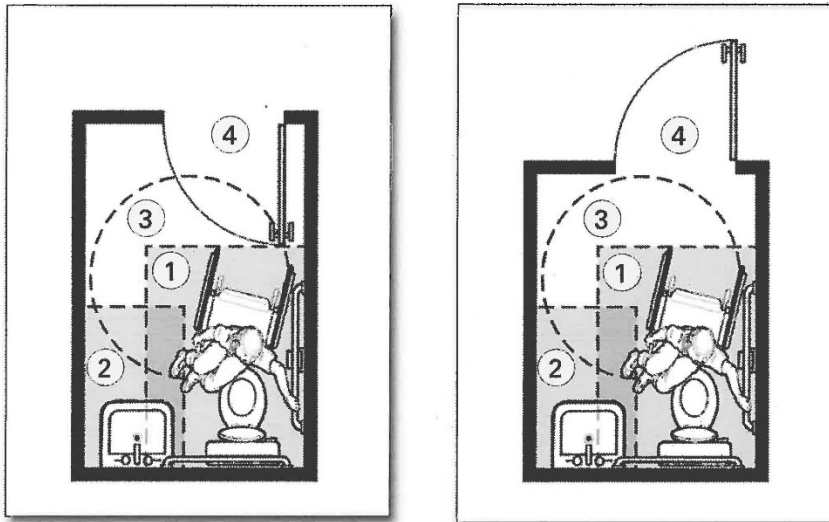
M8. Is there at least 18 inches between the center of the toilet and the side of the adjacent lavatory? Yes \_\_\_\_ No \_\_\_\_  
 [ADA Standards § 4.16.2; Fig. 28]

M9. Does the lavatory have at least a 29-inch-high clearance under the front edge and the top of the rim no more than 34 inches above the floor? Yes \_\_\_\_ No \_\_\_\_  
 [ADA Standards § 4.19.2]



Plan view showing the minimum amount of space required between the toilet and the adjacent lavatory.

Notes/Comments



Plan view of a single-user toilet room showing the door swing not overlapping the dark toned area indicating the clear floor space for the toilet and lavatory. The door swing may overlap the turning space indicated by the circular area.

Notes:

- ① 48-inch minimum by 66-inch minimum clear floor space for toilet
- ② 48-inch minimum by 30-inch minimum clear floor space for lavatory
- ③ 60-inch minimum turning space
- ④ door swing

Notes/Comments

M10. Are the drain and hot water pipes for the lavatory insulated or otherwise configured to protect against contact?  
[ADA Standards § 4.19.4]

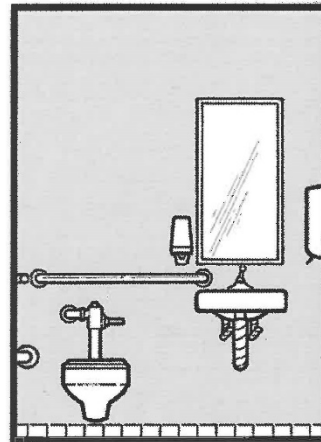
Yes \_\_\_\_\_ No \_\_\_\_\_

M11. Does that lavatory have controls that operate easily with one hand, without tight grasping, pinching, or twisting of the wrist?  
[ADA Standards § 4.19.5]

Yes \_\_\_\_\_ No \_\_\_\_\_

M12. If a mirror is provided, is the bottom of the reflecting surface no higher than 40 inches above the floor or is a full length mirror provided?  
 [ADA Standards § 4.19.6]

M13. For each type of dispenser, receptacle, or equipment, is there clear floor space at least 30 inches wide x 48 inches long adjacent to the control or dispenser (positioned either parallel to the control or dispenser or in front of it)?  
 [ADA Standards §§ 4.23.7; 4.27.2; 4.2.5 and Fig 5; 4.2.6 and Fig 6]



Front view of toilet, lavatory, mirror and soap dispenser

M14. Is the operating control (switch, lever, button, or pull) for each type of dispenser or built-in equipment no higher than 54 inches above the floor (if there is clear floor space for a parallel approach) or 48 inches (if there is clear floor space for a front approach)?  
 [ADA Standards § 4.23.7; 4.27.3; 4.27.2; 4.2.5 and Fig 5; 4.2.6 and Fig 6]

M15. Are all built-in dispensers, receptacles, or equipment mounted so the front does not extend more than 4 inches from the wall if the bottom edge is between 27 inches and 80 inches above the floor?  
 [ADA Standards §§ 4.23.7; 4.27; 4.4.1; Fig. 8]

M16. Is the centerline of the toilet 18 inches from the adjacent side wall?  
 [ADA Standards § 4.16.2; 4.17.3]

Yes \_\_\_ No \_\_\_

Yes \_\_\_ No \_\_\_

Yes \_\_\_ No \_\_\_

Yes \_\_\_ No \_\_\_

Yes \_\_\_ No \_\_\_

Notes/Comments

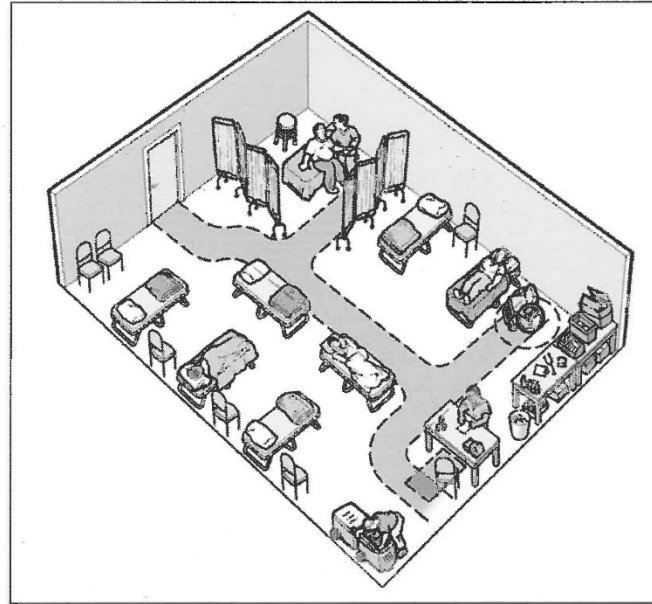
**ADA Emergency Shelter Checklist**

- M17. Is the top of the toilet seat 17 to 19 inches above the floor?  
[ADA Standards § 4.16.3] Yes \_\_\_\_ No \_\_\_\_
- M18. Is the flush valve located on the side adjacent to the lavatory?  
[ADA Standards § 4.16.5] Yes \_\_\_\_ No \_\_\_\_
- M19. Is a horizontal grab bar at least 40 inches long securely mounted on the adjacent side wall 33 to 36 inches above the floor with one end no more than 12 inches from the back wall?  
[ADA Standards §§ 4.16.4; 4.17.6] Yes \_\_\_\_ No \_\_\_\_
- M20. Is there a horizontal grab bar at least 36 inches long securely mounted behind the toilet 33 to 36 inches above the floor with one end no more than 6 inches from the side wall? [ADA Standards §§ 4.16.4; 4.17.6] Yes \_\_\_\_ No \_\_\_\_
- M21. If a coat hook is provided, is it mounted no higher than 54 inches above the floor for a side approach or 48 inches above the floor for a front approach? [ADA Standards § 4.25.3] Yes \_\_\_\_ No \_\_\_\_

**Notes/Comments**

## N. Health Units/Medical Care Areas

In many schools, where emergency shelters are often located, nurses' rooms or other types of health care facilities may be provided. These health care facilities should be on an accessible route and have accessible features, including an accessible entrance, an accessible route to the different types of services offered within the medical care unit, turning and maneuvering spaces, and cots or beds that are at a height to which people who use mobility devices can easily transfer.



An overhead view of a medical care area with a shaded pathway showing the accessible route shown and clear floor spaces.

Notes/Comments

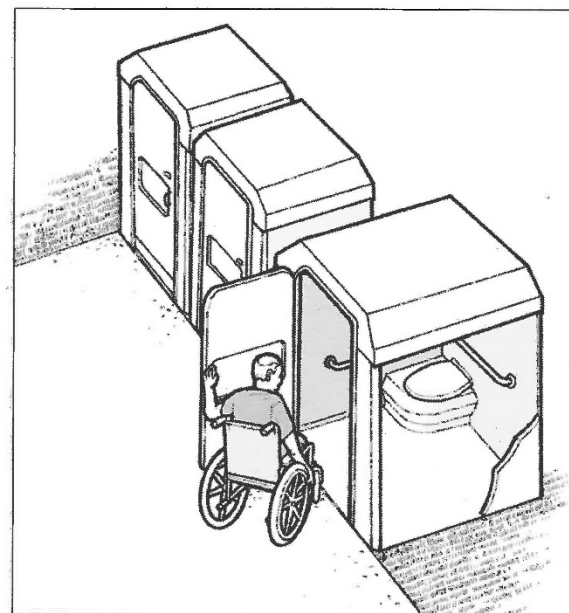
- N1. Is there an accessible route, at least 36 inches wide, that connects each of the shelter activity areas with the health units and medical care areas (it may narrow to 32 inches wide for up to 2 feet in length)? [ADA Standards § 4.3.2(3)]

Yes \_\_\_\_ No \_\_\_\_

## O. Accessible Portable Toilets

Portable toilets are often used at emergency shelters to supplement permanent toilet facilities. When portable toilets are provided, at least one must be a unit with accessible features that is located on an accessible route connecting it with the shelter. For the entrance to an accessible portable toilet to be usable, there must either be no step or a ramp must be installed that extends from the hinge side of the door to at least 18 inches beyond the latch side of the door.

Accessible portable toilets should have similar features to a standard accessible toilet stall including an accessible door, side and rear grab bar, clear space next to the toilet, and maneuvering space.



**A person using a wheelchair enters an accessible portable toilet. The unit is positioned to provide a flush entry from the accessible route.**



## **Appendix L, Part 2**

ADA Best Practices Tool Kit for State and Local Governments

Chapter 7, Addendum 2

*The ADA and Emergency Shelters: Access for All in Emergencies and Disasters (2007)*

## NOTICE

Portions of this addendum may not fully reflect the current ADA regulations. The [regulation implementing title II](#) of the ADA was revised as recently as 2016. Revised [ADA Standards for Accessible Design \(2010 Standards\)](#) were issued on September 15, 2010 and went into effect on March 15, 2012.

### **ADA Best Practices Tool Kit for State and Local Governments**

#### **Chapter 7 Addendum 2:**

## **The ADA and Emergency Shelters: Access for All in Emergencies and Disasters**

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One of government's primary responsibilities is to protect residents and visitors. Providing emergency shelter during disasters and emergencies is a basic way of carrying out this duty. Shelters are sometimes operated by government entities themselves. More commonly, though, shelters are operated for the state or local government by a third party – often the American Red Cross. Regardless of who operates a shelter, the Americans with Disabilities Act (ADA) generally requires shelters to provide equal access to the many benefits that shelters provide, including safety, food, services, comfort, information, a place to sleep until it is safe to return home, and the support and assistance of family, friends, and neighbors.<sup>1</sup> In general, the ADA does not require any action that would result in a fundamental alteration in the nature of a service, program, or activity or that would impose undue financial and administrative burdens.<sup>2</sup> This Addendum discusses some of the key issues that emergency managers and shelter operators need to address in order to comply with the ADA when they plan for and provide shelter during emergencies and disasters. Although this Addendum focuses primarily on issues affecting shelter residents with disabilities, these issues are also generally applicable to volunteers and employees with disabilities.

#### **A. Advance Planning**

- **Equal access requires advance planning.** During emergencies and disasters, people with disabilities sometimes have different, disability-related needs than other individuals. Many of these needs cannot be met during emergencies and disasters without advance planning. For example, if a person's health will be jeopardized without access to life-sustaining medication that must be refrigerated, an emergency shelter will be of little use to him unless he has access to the required medication and a way to keep it sufficiently cold. Resources of this kind will likely be unavailable unless emergency managers and shelter operators arrange to have them available well before an emergency or disaster occurs.

To provide equal access to people with disabilities, effective advance planning requires at least two steps: (1) identify the disability-related needs of the residents and visitors likely to be housed in a shelter, and (2) make the advance arrangements necessary to meet those needs in the event an emergency or disaster strikes. The most effective way for

emergency managers and shelter operators to ensure that advance planning addresses the needs of people with disabilities in their community is to involve community members with a wide variety of disabilities in the advance planning process. These individuals will be able to identify the types of disability-related needs that community residents and visitors are likely to have during emergencies as well as some of the community resources that may be available to help meet those needs.

To help in the advance planning process, the following sections of this Addendum identify some of the more common disability-related needs that shelter residents are likely to have. However, since people with different disabilities will typically have different needs, the issues addressed in this document are not exhaustive. Each community will have disability-related issues specific to its own residents and visitors that need to be identified and addressed. These issues are also likely to change over time as residents move into and out of communities and as changes occur in the types of equipment, medication, and technology that people with disability use.

<sup>1</sup> 28 C.F.R. §§ 35.130, 35.149.

<sup>2</sup> 28 C.F.R. §§ 35.130(b)(7), 35.150(a)(3), 35.164.

## **B. Accessibility**

- **Ensure that the sheltering program is accessible to people with disabilities.** Disasters and emergencies are unpredictable. Even the best emergency managers cannot say with certainty when an emergency will strike, how extensive the damage will be, and which shelters will remain available to house people who must evacuate their homes. For most people, any building designated as a shelter will meet their basic emergency needs so long as it provides a safe place to eat, sleep, and take care of personal hygiene needs. But an emergency shelter is of little use to a person using a wheelchair if it has steps at the entrance or toilet rooms she cannot use.

Under the ADA, emergency sheltering programs must not exclude or deny benefits to people with disabilities.<sup>3</sup> Emergency managers and shelter operators should therefore seek to ensure that shelters are physically accessible to people with disabilities, including people who use wheelchairs. Before designating a facility as an emergency shelter, emergency managers and shelter operators need to determine if it is accessible. Elements such as a shelter's parking, walkway to the entrance, entrance, toilets, bathing facilities, drinking fountains, sleeping area, food distribution and dining quarters, first aid/medical unit, emergency notification system, and other activity and recreation areas need to be examined for barriers. Government facilities built since 1992 and private business facilities built since 1993 are often the best candidates for emergency shelters because they were subject to ADA requirements for physical accessibility when they were built.<sup>4</sup> Some older facilities have been altered to provide physical accessibility<sup>5</sup> or can be made physically accessible by using temporary measures stored on site and readily available for use in the event an emergency occurs. Other older facilities are poor candidates for emergency shelters because they have barriers that are too expensive or infeasible to remove. For guidance on emergency shelter accessibility, please see the Department of Justice's "ADA Checklist for Emergency Shelters" at

[www.ada.gov/pcatoolkit/chap7shelterchk.htm](http://www.ada.gov/pcatoolkit/chap7shelterchk.htm). The checklist includes two assessment tools to ensure that emergency shelters provide access to all: (1) a preliminary checklist that will help emergency managers and shelter operators decide if a facility has the characteristics that make it a good candidate for a potential emergency shelter, and (2) a more detailed checklist that will help identify and remove the most common barriers to physical accessibility.

**Emergency managers and shelter operators need to ensure that sheltering programs are accessible to people with disabilities, including individuals who use wheelchairs.**

<sup>3</sup> 28 C.F.R. §§ 35.130, 35.149.

<sup>4</sup> 28 C.F.R. § 35.151(a) (for public facilities); 28 C.F.R. § 36.406 (for private facilities that are subject to the requirements of Title III of the ADA because they are public accommodations or commercial facilities).

<sup>5</sup> 28 C.F.R. § 35.151(b) (for public facilities); 28 C.F.R. §§ 36.402 - 36.405 (for private facilities that are subject to the requirements of Title III of the ADA because they are public accommodations or commercial facilities).

### **C. Eligibility Criteria**

Shelters are usually divided into two categories: (1) “mass care” shelters, which serve the general population, and (2) “special needs” or “medical” shelters, which provide a heightened level of medical care for people who are medically fragile. Special needs and medical shelters are intended to house people who require the type and level of medical care that would ordinarily be provided by trained medical personnel in a nursing home or hospital.

- **House people with disabilities in mass care shelters.** Emergency managers and shelter operators sometimes wrongly assume that people need to be housed in special needs or medical shelters simply because they have a disability. But most people with disabilities are not medically fragile and do not require the type or level of medical care that special care and medical shelters are intended to provide. The ADA requires people with disabilities to be accommodated in the most integrated setting appropriate to their needs,<sup>6</sup> and the disability-related needs of people who are not medically fragile can typically be met in a mass care shelter. For this reason, people with disabilities should generally be housed with their families, friends, and neighbors in mass care shelters and not be diverted to special needs or medical shelters.

To comply with the ADA’s integration requirement, emergency managers and shelter operators need to plan to house people with a variety of disabilities in mainstream mass care shelters, including those with disability-related needs for some medical care, medication, equipment, and supportive services. Emergency managers and shelter operators must also ensure that eligibility criteria for mass care shelters do not unnecessarily screen out people with disabilities who are not medically fragile based on erroneous assumptions about the care and accommodations they require.

- **Respect the right of people with disabilities to make choices about where to shelter.** In some communities, emergency managers have designated shelters specifically for individuals with disabilities or individuals with a specific type of disability. For example, a community with a school for students who are deaf may designate that facility as an emergency shelter for people who are deaf. While the ADA does not prohibit offering these types of emergency shelters,<sup>7</sup> it generally does prohibit emergency managers and shelter operators from requiring people with disabilities or people with a specific type of disability to stay in such shelters.<sup>8</sup> The ADA requires emergency managers and shelter operators to accommodate people with disabilities in the most integrated setting appropriate to their needs, which is typically a mass care shelter.
- **House people with disabilities in mass care shelters even if they are not accompanied by their personal care aides.** Some people with disabilities use personal care assistance for activities of daily living, such as eating, dressing, routine health care, and personal hygiene needs. One question that frequently arises is whether people with disabilities who use attendant care can be appropriately housed in mass care shelters. In most instances, they can. Most people with disabilities who use attendant care are not medically fragile and do not require the heightened level of medical care provided in a special needs or medical shelter.

In the past, some shelter operators maintained policies that prevented people with disabilities who regularly use attendant care from entering mass care shelters unless they were accompanied by their own personal care attendants. These policies denied access to many people with disabilities.

During emergencies, many personal care attendants – like other people – evacuate or shelter with their own families instead of staying with their clients. Shelter operators should provide support services in mass care shelters to accommodate people with disabilities who are not medically fragile but need some assistance with daily living activities unless doing so would impose an undue financial and administrative burden. Such assistance can be provided by medical personnel or trained volunteers.

**Local governments and shelter operators may not make eligibility for mass care shelters dependent on a person’s ability to bring his or her own personal care attendant.**

- **Make arrangements in advance to ensure that special needs and medical shelters have sufficient numbers of adequately trained medical staff and volunteers.** Special needs and medical shelters house people with disabilities who require the heightened medical care that is ordinarily provided in nursing homes and hospitals. However, in the past, these shelters have often had too few qualified staff – or relied too heavily on volunteers with minimal training – to provide adequate care to the medically fragile people they house.

Advance planning is the only way emergency managers and shelter operators can secure enough trained medical personnel and adequately trained volunteers to ensure the safety and comfort of residents of special needs and medical shelters.

- **Keep families together whenever possible, even in special needs and medical shelters.** Family members provide each other the support and assistance necessary to cope with emergencies and disasters. During these difficult times, separation from family members increases loneliness, worry, and additional stress. But while most families have been able to stay together during emergencies, individuals with disabilities have often been unnecessarily separated from their families because many special needs and medical shelters do not allow them to be accompanied by more than one person.

In disasters and emergencies, people are ordinarily allowed to shelter with their families. This benefit needs to be available to persons with disabilities as it is for everyone else. Of course, some people in special needs and medical shelters may need to be housed in medical wards apart from their families because of critical medical needs, but their families should still be housed nearby.

<sup>6</sup> 28 C.F.R. § 35.130(d).

<sup>7</sup> 28 C.F.R. § 35.130(b)(2) - (c).

<sup>8</sup> 28 C.F.R. § 35.130(b)(2), (e)(1).

#### **D. Reasonable Modifications**

The ADA generally requires emergency managers and shelter operators to make reasonable modifications to policies, practices, and procedures when necessary to avoid discrimination.<sup>9</sup> A reasonable modification must be made unless it would impose an undue financial and administrative burden.<sup>10</sup> The following are examples of reasonable modifications that emergency managers and shelter operators will generally need to make:

- **Modify “no pets” policies to welcome people who use service animals.** Many emergency shelters do not allow residents or volunteers to bring their pets inside. But shelters must generally modify “no pets” policies to allow people with disabilities to be accompanied by their service animals.

A service animal is not a pet. Under the ADA, a service animal is a dog (or in some cases a miniature horse) that is individually trained to provide assistance to a person with a disability. Most people are familiar with dogs that guide people who are blind or have low vision. But there are many other functions that service animals perform for people with a variety of disabilities. Examples include alerting people who are deaf or hard of hearing to sounds; pulling wheelchairs; carrying or retrieving items for people with mobility disabilities or limited use of arms or hands; assisting people with disabilities to maintain their balance; and alerting people to, and protecting them during, medical events such as seizures.

How can a service animal be identified? Service animals come in all breeds and sizes. Many are easily identified because they wear special harnesses, capes, vests, scarves, or patches. Others can be identified by the functions they perform for people whose disabilities can be readily observed. When none of these identifiers are present, shelter staff may ask only two questions to determine if an animal is a service animal: (1) “Do you need this animal because of a disability?” and (2) “What tasks or work has the animal been trained to perform?” If the answers to these questions reveal that the animal has been trained to work or perform tasks for a person with a disability, it qualifies as a

service animal and must generally be allowed to accompany its owner anywhere other members of the public are allowed to go, including areas where food is served and most areas where medical care is provided. Questions about the nature or severity of a person's disability or ability to function may not be asked. It is also inappropriate to question a person's need for a service animal or to exclude a service animal on the grounds that shelter staff or volunteers can provide the assistance normally provided by the service animal.

- **Modify kitchen access policies for people with medical conditions that may require access to food.** Most shelter operators restrict residents' and volunteers' access to the kitchen to preserve food and beverage supplies and maintain efficient kitchen operations. But people with medical conditions such as diabetes may need immediate access to food to avoid serious health consequences. Shelter operators need to make reasonable modifications to kitchen policies so that residents and volunteers with disability-related needs can have access to food and beverages when needed.
- **Modify sleeping arrangements to meet disability-related needs.** To maximize efficiency, shelter operators typically provide one standard type of cot or mat for use by shelter residents. However, some people have disability-related needs for cots to be modified or may need to sleep on cots or beds instead of on mats placed on the floor. For example, a person with muscular dystrophy may require a cot with a very firm mattress to provide the physical support needed to facilitate breathing. Similarly, many people with mobility disabilities will be unable to use a sleeping mat placed on the floor. For example, many people using wheelchairs or scooters will be unable to safely transfer on and off a cot or bed unless it is firmly anchored so it does not move and has a firm sleeping surface that is 17 - 19 inches above the floor. Shelter operators need to establish procedures that people with disabilities can use to request reasonable modifications to sleeping arrangements.

<sup>9</sup> 28 C.F.R. § 35.130(b)(7).

<sup>10</sup> 28 C.F.R. § 35.130(b)(7).

## **E. Effective Communication**

From the moment people begin to arrive at a shelter, good communication between staff, volunteers, and residents is essential. Many shelter residents and volunteers might have communication-related disabilities, including those who are deaf or hard of hearing and those who are blind or who have low vision. People with mental retardation or psychiatric disabilities might also have communication difficulties in certain circumstances, such as registering, filling out applications for benefits, or trying to understand what benefits and services are available.

Under the ADA, shelter operators must provide "effective communication" to people with disabilities unless doing so would result in a fundamental alteration or would impose undue financial and administrative burdens.<sup>11</sup> Shelters that are part of a state or local government sheltering program must give "primary consideration" to the type of auxiliary aid or service preferred by the person with a disability;<sup>12</sup> they must defer to that choice unless another equally effective method of communication is available or the preferred method would impose an undue financial and administrative burden or fundamental alteration.<sup>13</sup> This requirement applies even if a third party operates the shelter under an arrangement with the state or local government.



Advance planning is critical to ensuring effective communication during an emergency. Without such planning, it may be difficult or impossible to locate auxiliary aids and services and have them ready for use at the shelter. Advance planning will also alleviate the expense and burdens associated with providing auxiliary aids.

- **Provide alternate format materials for people who are blind or who have low vision.** People who are blind or have low vision may request documents and brochures in alternate formats (Braille, large print, or audio recording). Generally, shelter supplies should include alternate format versions of documents that are routinely made available to shelter residents. Having alternate formats available for distribution during an emergency requires advance planning.

When documents are prepared on the spot and alternate formats cannot be prepared in advance or produced as needed, shelter operators are still required to provide effective communication through alternate means.<sup>14</sup> Often, the most effective solution in an emergency is to provide a person to read printed documents and, where applicable, someone to help fill out forms. People who serve as readers or provide assistance filling out forms must be “qualified” – in the context of an emergency shelter, this means being capable of and willing to read materials and complete forms as instructed by the person with a disability.

- **Ensure that audible information is made accessible to people who are deaf or hard of hearing.** In emergency shelters, most information is conveyed through oral announcements. Shelter operators must ensure that people who are deaf or hard of hearing have access to this information in a timely and accurate manner. In some circumstances, qualified sign language or oral interpreters may be required by the ADA. In others, posting messages and announcements in written format on a centrally located bulletin board, or writing notes back and forth with residents who are deaf or hard of hearing, may suffice.

The type of auxiliary aid or service required in a specific situation depends on several factors, including the length, complexity, and importance of the communication and the person’s language skills and history. For example, handwritten notes will not communicate information effectively to a person who cannot read. Similarly, providing a sign language interpreter will not be effective for a person who is hard of hearing and does not understand sign language. If it becomes an undue financial and administrative burden to obtain qualified sign language or oral interpreters at a shelter, then the ADA does not require them. However, advance planning can significantly reduce the costs and administrative burdens of making interpreters available.

- **Provide a TTY for the use of people who are deaf or hard of hearing.** Many people in shelters use telephones to apply for disaster relief benefits, arrange for transitional housing, and speak to family and friends. People who can use standard voice telephones typically make use of shelter telephones or cellular phones for this purpose. But without access to a teletypewriter (TTY), people who are deaf or hard of hearing and those who have speech disabilities are unable to communicate with others over the telephone.



<sup>11</sup> 28 C.F.R. § 35.160.

<sup>12</sup> 28 C.F.R. § 35.160(b)(2).

<sup>13</sup> 28 C.F.R. § 35.164.

<sup>14</sup> 28 C.F.R. § 35.164.

## F. Shelter Environment

- **Offer orientation and wayfinding assistance to people who are blind or have low vision.** Until they become familiar with the shelter layout, blind people and those with low vision may have difficulty locating different areas of the shelter. Even after they are oriented to the shelter environment, changes in furniture layout or the addition or removal of cots may be disorienting to people who rely on these landmarks to find their way around. When they arrive at a shelter, people who are blind and those with low vision might need assistance orienting themselves to the shelter layout and locating pathways to sleeping areas, toilet rooms, and other areas of the shelter they may wish to use. Offer, but do not insist, on providing orientation and wayfinding assistance. Some people who are blind or have low vision need such assistance. Others can, and prefer to, find their own way.
- **Maintain accessible routes.** Cots and other furniture need to be placed to ensure that accessible routes – routes that people who use wheelchairs, crutches, or walkers can navigate – connect all features of the shelter. For instance, accessible routes need to connect the sleeping quarters to the food distribution and dining quarters, to the toilet rooms and bathing facilities, activity areas, etc. Generally, an accessible route is 36 inches wide, except at doors and for short distances, when it can be narrower, and where it turns, when it must be wider. More guidance on accessible routes is provided in the “ADA Checklist for Emergency Shelters” at [www.ada.gov/pcatoolkit/chap7shelterchk.htm](http://www.ada.gov/pcatoolkit/chap7shelterchk.htm).
- **Eliminate protruding objects in areas where people can walk.** Furniture and other items should be positioned to direct pedestrians who are blind or have low vision safely away from overhead or protruding objects. This requirement extends beyond the “accessible route” and applies throughout the shelter environment to any place where a person can walk. Hazards posed by protruding and overhead objects can typically be eliminated by placing a cane-detectable barrier on the floor beneath or next to them. But care should be taken so cane-detectable barriers do not block accessible routes or the clear floor space that people using mobility devices need to access common protruding objects such as drinking fountains. For more guidance on protruding objects, please see the “ADA Checklist for Emergency Shelters” at [www.ada.gov/pcatoolkit/chap7shelterchk.htm](http://www.ada.gov/pcatoolkit/chap7shelterchk.htm).
- **Consider low-stimulation “stress-relief zones.”** The stress from the noise and crowded conditions of a shelter – combined with the stress of the underlying emergency – may aggravate some disability-related conditions, such as autism, anxiety disorders, or migraine headaches. Without periodic access to a “quiet room” or quiet space within a larger room, some people with disabilities will be unable to function in a shelter environment. In locations where a school gym serves as the emergency shelter, a nearby classroom can provide the necessary relief from noise and interaction that some shelter residents and volunteers with disabilities will need. Other shelter residents and volunteers

may want a break from the noise and crowds. But quiet spaces are limited, they should be made available on a priority basis to people whose disabilities are aggravated by stress or noise.

- **Consult residents with disabilities regarding placement of their cots.** Some individuals will have disability-related needs that require accommodation when assigning the location of their cot. For instance, a person who uses a wheelchair, crutches, or a walker may need a cot located close to an accessible toilet room. Since an assigned cot may not be identifiable by touch, a blind person may need a cot placed in a location that she can easily find. A person with low vision may need his bed located close to light so he can see or away from bright light that aggravates his eyes. Likewise, someone who is deaf or hard of hearing may need a cot placed away from visual distractions that would prevent him from sleeping.

## G. Supplies

- **Provide an effective way for people to request and receive durable medical equipment and medication.** Despite advance planning, some people with disabilities will find themselves in shelters without a supply of the medications or medical equipment they need. For example, some medical insurance plans prohibit people from purchasing medication until their existing supply is almost gone. Other people may be required to evacuate without medication or medical equipment or be inadvertently separated from medication or medical equipment during evacuation. Emergency managers and shelter operators need to plan and make arrangements in advance so persons with disabilities can obtain emergency supplies of medications and equipment.
- **Whenever possible, provide refrigeration for certain types of medication.** Many people with disabilities need medication that must be refrigerated. Shelters need to have a safe and secure refrigerated location where medications can be stored and accessed when needed.
- **If electricity is available, give priority to people with disabilities who use ventilators, suctioning devices, and other life-sustaining equipment.** Some people with disabilities require ventilators, suctioning devices, or other life-sustaining equipment powered by electricity. Without electrical power, many of these individuals cannot survive. When electrical power is available, access should be given to people who depend on electrically powered equipment to survive.

Many people with disabilities depend on battery-powered wheelchairs and scooters for mobility. The batteries in these mobility aids must frequently be recharged, or they will stop functioning. Without these mobility aids, many people with disabilities will lose their ability to move about, they may be unable to participate in some services offered by the shelter, and they may need to depend more heavily on assistance from others. When possible, provide these individuals the opportunity to charge the batteries that power the equipment they use for mobility and independence.

- **Provide food options that allow people with dietary restrictions to eat.** Because of disabilities, some people are unable to eat certain types of food. For example, people with diabetes must restrict their intake of carbohydrates. Other people have severe allergies to common food ingredients, such as peanut oil and byproducts. In planning food supplies

for shelters, emergency managers and shelter operators need to consider foods and beverages for people with common dietary restrictions.

- **Provide emergency supplies that enable people with disabilities to care for their service animals.** Many people with disabilities rely on service animals to do things they cannot do themselves. But when evacuating during an emergency, some individuals will be unable to transport enough food and water for their service animals. Shelter operators need to make food and water available so individuals can feed and care for their service animals. Shelter operators should also make reasonable modifications to security screening procedures so that people with disabilities are not repeatedly subjected to long waits at security checkpoints simply because they have taken their security animals outside for relief.

## H. Transitions Back to the Community

- **Provide people with disabilities a reasonable amount of time and assistance to locate appropriate housing.** Shelters provide temporary refuge during and after an emergency until people can return home or arrange an alternative place to live. In some instances, shelter operators have required individuals with disabilities to move to hospitals, nursing homes, or other institutions when these individuals could not locate accessible housing or the supportive services they needed to live in their own home as quickly as other individuals. As a result, some people with disabilities who once lived independently in their own homes found themselves institutionalized soon after a disaster occurred.

The ADA generally requires people with disabilities to receive services in the most integrated setting appropriate to their needs unless doing so would result in a fundamental alteration in the nature of services or impose undue financial and administrative burdens.<sup>15</sup> To comply with this requirement and assist people with disabilities in avoiding unnecessary institutionalization, emergency managers and shelter operators may need to modify policies to give some people with disabilities the time and assistance they need to locate new homes.

## I. Other Resources

As discussed above, the ADA requires that people with disabilities have equal access to shelters and the benefits they provide. Providing equal access to people with different disabilities can involve very different issues. This document discusses a few of the most common issues and how they can be addressed. Other issues are addressed in Chapter 7 of the “ADA Best Practices Tool Kit for State and Local Governments,” “The ADA Guide for State and Local Governments: Making Emergency Preparedness and Response Programs Accessible to People with Disabilities,” the “ADA Checklist for Emergency Shelters,” and other technical assistance materials that are available on the Department of Justice’s ADA Home Page at [www.ada.gov](http://www.ada.gov).

<sup>15</sup> 28 C.F.R. § 35.130(d).