

Annex 1

State of Florida Base Camps

Operations Guidance

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Appendix 1: National Incident Management System Base Camp
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I. Introduction

There are many instances when the State Emergency Response Team will need to respond to a major disaster, both in and out of the State. When these events are of the magnitude that personnel need to be immediately deployed to the impacted area, and that area cannot support the influx of the amount of resources needed to effectively respond to the event, the State will establish a Base Camp. When the need for a Base Camp is evident, and the direction to establish one has been directed through the State Coordinating Officer, it will be established in areas close in proximity to emergency impact areas.

II. Mission /Purpose

Base camps are established as required in areas close in proximity to emergency impact areas. The purpose is to accommodate emergency workers responding to the event in areas where there are either limited hotel/motel resources, or when occupying hotels/motels would not permit disaster victims from relocating from shelters into hotel/motels.

III. Assumptions

- The need for a Base Camp will be predicated on the size and severity of the impact of an emergency event occurring in the State of Florida.
- Base Camp operations may be requested from another impacted State through the Emergency Management Assistance Compact.
- Base Camps will be established when local facilities are not available for the number of emergency workers needed to adequately respond to a disaster.
- Base Camps will be located in close proximity to the impact area to allow emergency workers quick access to the impacted area.
- Each Base Camp will have a manager who will have the overall responsibility of the daily operations of the facility.
- Florida will contract out to commercial resources most base camp operations.
- In declared emergencies, base camp operations will be considered a Category B expense under the Public Assistance Program. Documentation of all expenses will be kept in order to seek proper reimbursement from the requesting state (under the Emergency

Management Assistance Compact) or from the Federal Emergency Management Agency (Public Assistance Program)

IV. Roles and Responsibilities

A. General

The State of Florida, State Emergency Response Team will oversee each Base Camp for the duration of its existence. Based on the State's lack of personnel resources, all services provided at the base camps will be contracted out to private vendors. Each Base Camp will have a Base Camp Manager, who will have the overall responsibility to ensure the daily operations of the facility are adequate, and meeting the needs of those using the facility.

1. Base Camp Manager

- Responsible for the overall management of the Base Camp. The Manager will be an employee of the Division of Emergency Management, or a designated agency.
- Ensure the contractor for the Base Camp is supplying all the needed resources and provisions established under the contract.
- Report daily to the State Emergency Operations Center the status of the Base Camp operations.
- Be able to manage the expansion or contraction of the Base Camp as the need for the facility increases or decreases.
- Ensure proper records are documented to expedite the reimbursement from the Emergency Management Assistance Compact, or the Federal Public Assistance Program.
- Interact with the local impacted government as to the resources available and expectations of the Base Camp towards the impacted community.

2. Assistant Base Camp Manager

Depending on the size of the Base Camp, the Base Camp Manager may have to delegate responsibilities to an Assistant Base Camp Manager. The needs of each Base Camp will differ, and the roles of the Assistant

Manager will also be different, depending of the needs as they present themselves.

- Assist the Base Camp Manager with the daily operations of the Base Camp
- Accept mission assignments from the Base Camp Manager as the needs arise.

V. Concept of Operations

1. Types of Base Camps

There are five levels of Base Camps. These include:

- Type I support 1000 persons
- Type II supports 500 persons
- Type III supports 250 persons
- Type IV supports 100 persons
- Type V – Mobile Bas Camp Systems to support field teams

The nature of the event, size of impact area, and need for emergency worker facilities will determine the size of the Base Camp. This decision will be made through the State Coordinating Officer, or designee.

2. Service Providers

All services for base camps will be contracted for due to a lack of state owned resources and personnel to staff such facilities. The overall Base Camp Manager will be a Florida Division of Emergency Management staff member approved by the State Emergency Response Team Chief and State Coordinating Officer.

Florida National Guard

The Florida Air National Guard, Red Horse Squadron, also has the capability to establish one 250-person military type base camp. This is typical of a military deployment for bare base operations. This resource can be tasked if necessary and the unit is not deployed on other missions. It should be noted and considered, that the use of military resources typically cost more that commercial vendors.

Commercial Vendors

Commercial vendors under State Agency Contracts will be considered the primary source of the establishment of base camps.

3. Services provided at a Base Camp

Billeting

- First choice of accommodations will be the conversion of a fixed facility / building to accommodate personnel. Such conversion will include installation of dividing walls, partitions or curtains in order to allow for some privacy.
- Second choice will be to bring in travel trailers or mobile bunkhouses. Trailers can accommodate six personnel, while bunkhouses accommodate 10 personnel.
- Final and last resort will be to erect tents as billeting. Tents are very labor intensive to set up, do not allow for heating and cooling, typically do not have floors and impart a sense of depression because of a lack of windows.

Food Services

- Food services will be accomplished through contract catering. Four meals per day will be served using the US Forest Service 10-day rotation meal plan.

Shower Accommodations

- Shower trailers will be brought in. These trailers typically accommodate 6-10 persons at a time, and include a changing room. Trailers have a high capacity hot water heater, typically fueled by propane.

Restroom Accommodations

- Porta-potties will not be used unless no other resources were available. Typically, restroom trailers will be obtained through the same sources as shower trailers. Restroom trailers resemble a public restroom, are well lighted, have mirrors, sinks, toilets and urinals. Versions are available both men and women.

Laundry Facilities and Services

- Portable laundry trailers come in two configurations, self-service and commercial. In the self-service, workers can do their own laundry just like in a laundromat. In the commercial version, a contract service will be brought in to wash, dry and fold laundry for base personnel.

Medical Care

- A basic medical clinic will be provided to afford routine medical check-ups and care. Any emergency will necessitate calling 911 or having an on-site EMS paramedic unit. Clinics will be staffed by a public health nurse and/or at a minimum, a certified paramedic.

Recreation Facility

- Between meal periods, the dining tent will be used as a recreation facility. On bases accommodating over 500 personnel, a separate tent facility will be provided with recreation items such as a Ping-Pong table, large screen TV, reading library, daily newspapers, board games, cards and other items to afford workers a means to relax between shifts.

Administration Office

- Telecommunications
 - Public pay phone trailers will be located within the billeting area, food service, recreation and administrative areas to allow personnel to call family and friends
 - 10 telephone lines and two ISDN or T-1 lines will be ordered to support the administrative office at the Base Camp.
- Office space will be established to allow for the management of the site.
- Safety & Security will be mission tasked to Emergency Support Function 16 and Emergency Support Function 4 for law enforcement and fire protection at the site.

4. Facility Retrofits (Type I – III Base Camps)

When possible, an existing facility should be reviewed for possible retrofit to accommodate emergency workers. Retrofitting a facility should be considered as an alternative to constructing from a “bare base” site. All services should be reviewed and space allocated for them. If necessary, additional structures or modules can be brought in to supplement a site. When facility retrofits are not possible, “Bare Base” camps will be established.

5. Trailers and Mobile Home Use (Type III & IV Base Camps)

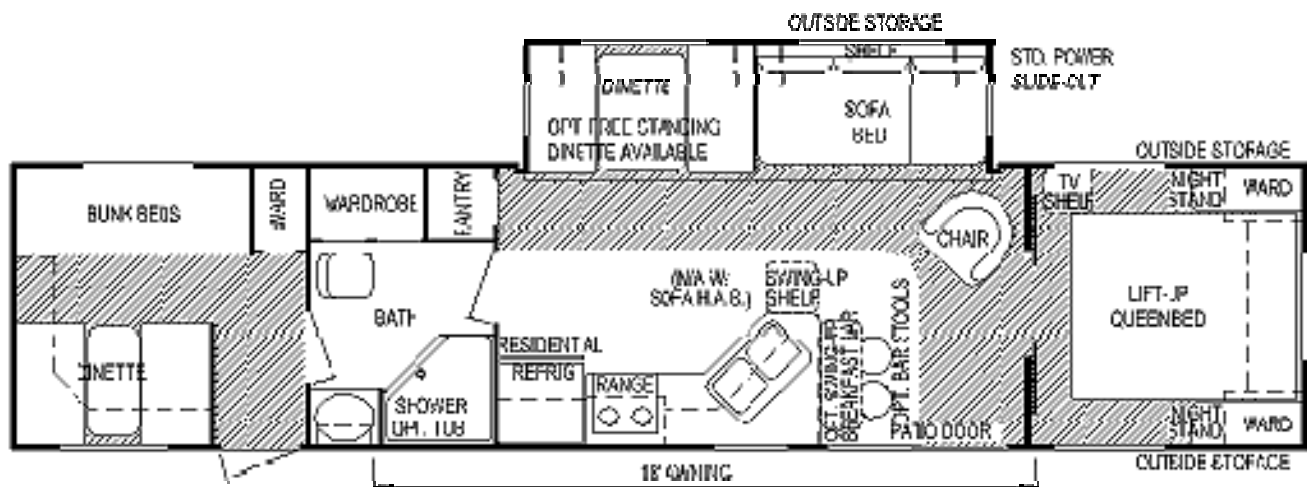
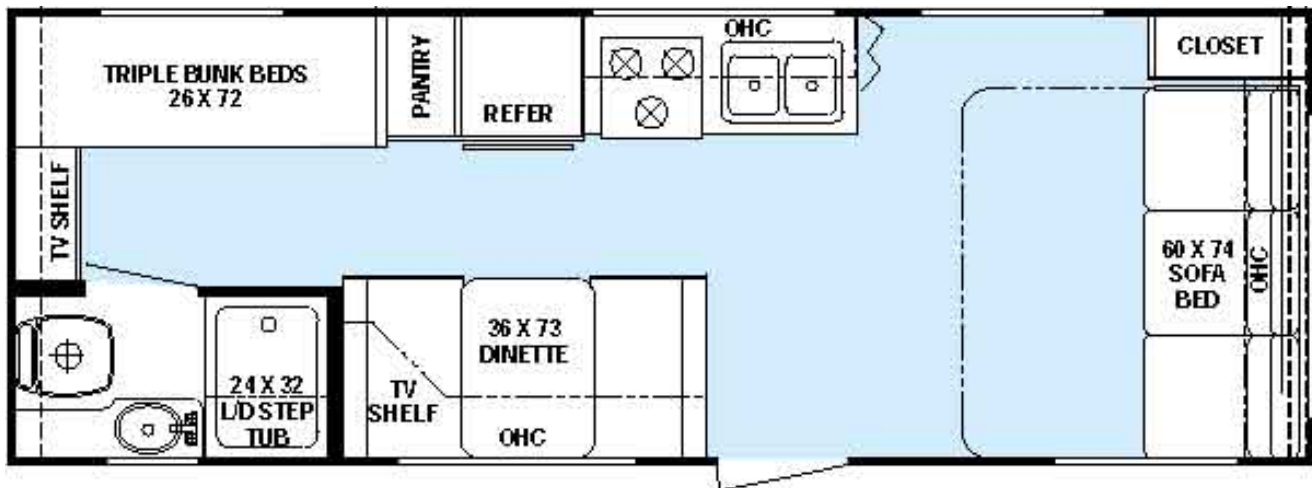
When a short-term facility is required lasting up to 30 days, the use of travel trailers should be explored. Although trailers typical accommodate only 4-6

persons per unit, they are faster to set-up and can be moved should the need arise. Typically, semi-trailer conversions and travel trailers will be used to support "A" Teams, Forward Operation Bases and damage assessment teams.

Where trailers do not accommodate enough services such as laundry, restrooms, messing or medical faculties; mobile showers and restrooms, and laundry units can be brought in to supplement.

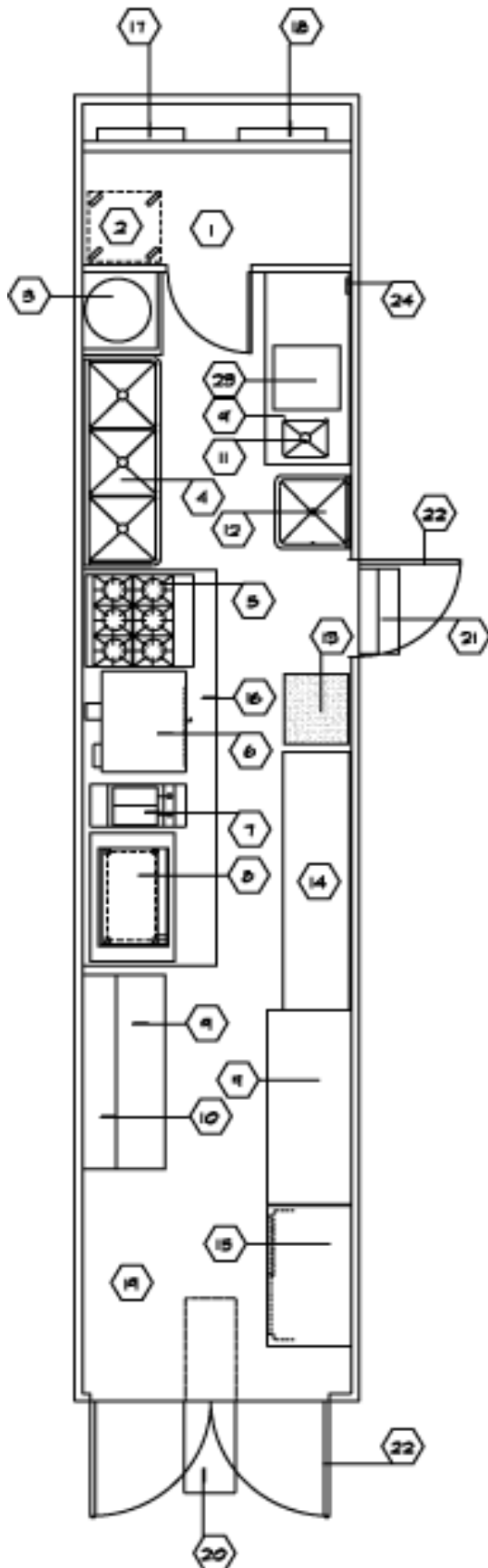
Module office units should be ordered to accommodate the administrative space requirements and can serve as a medical clinic, recreation room, and conference room or dining facility.

TRAILER EXAMPLES - Billeting



Model 3710

MOBILE KITCHEN TRAILERS



Kitchen Trailer Dimensions:

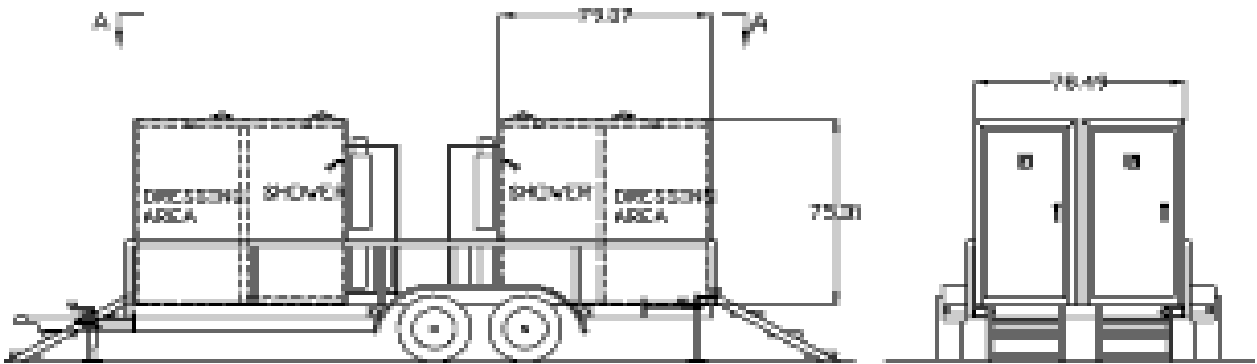
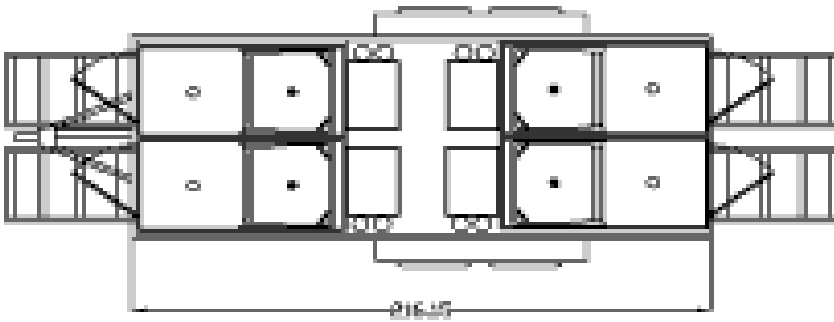
40' L x 8' W x 11 1/2' H

Equipment List:

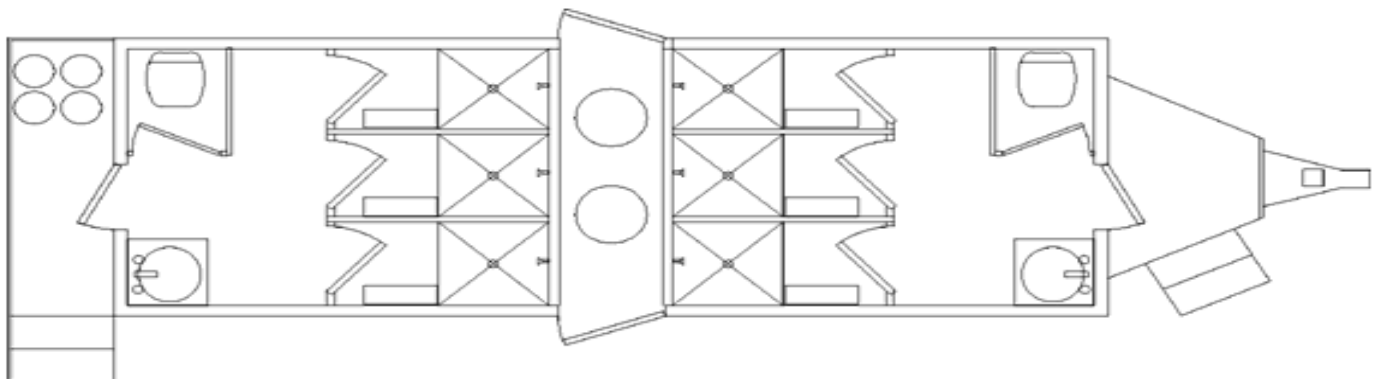
1. Walk-in refrigerator 3 1/2' l x 7' w x 6 1/2' h
2. Food rack with full size sheet pans inside walk-in
3. Hot water heater (30 gallon capacity)
4. Three Compartment sink with both hot and cold potable running water
5. Six burner stove with oven underneath and salamander grill above
6. Two convection ovens (stacked)
7. Garland double basket fryer
8. 1 table top Garland griddle 36" or 36" Star charbroiler
9. S/S preparation table 72" l x 30" w
10. S/S wall shelves
11. S/S Hand washing sink
12. Large S/S pot sink with pot sprayer faucet
13. Cutting board prep. table 26" w x 23" l
14. Metro storage cage 2' l x 8' w x 5' h (for dry goods, pots, pans, etc.)
15. Double door refrigerator with shelving
16. Exhaust hood with fire suppression Ansul system
17. Electrical panel box (220/Single Phase/110v Power for Appliances).
18. Propane connection
19. Open space for warmers, etc.
20. Pull out ramp
21. Staircase
22. Entry doors with screen
23. Commercial dishwasher-single rack under counter
24. Electrical outlets (110v)

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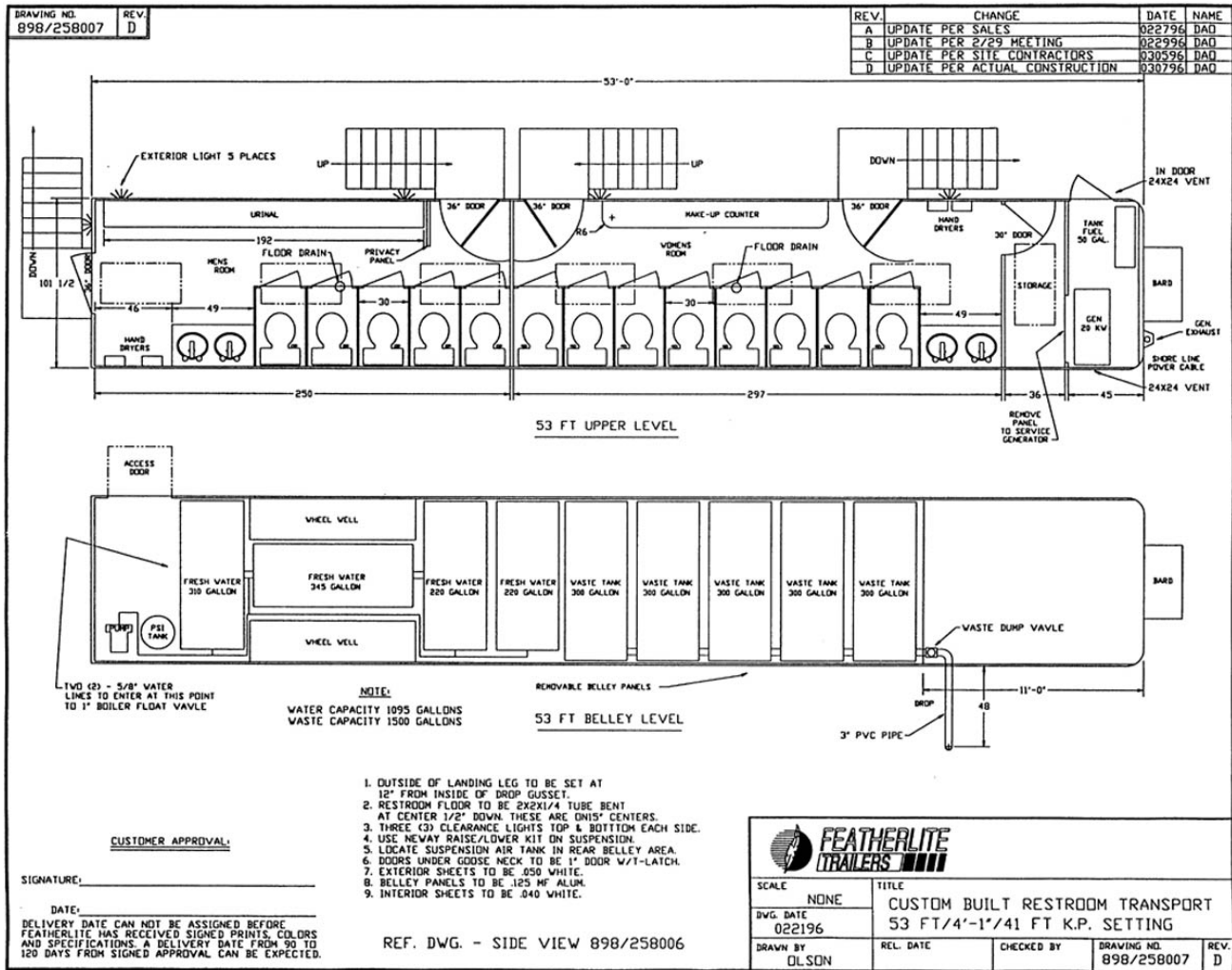
MOBILE SHOWER TRAILERS



COMBINATION RESTROOM / SHOWER TRAILERS



MOBILE RESTROOM TRAILERS



6. Modular Construction Concepts (Type I & II Base Camps)

A variety of pre-constructed, modular units can be brought in to construct a base camp. These have been typically used on off shore oilrigs, and as emergency worker housing off shore in post disaster environments. The primary firm providing these units is located in New Orleans, Louisiana and Alberta, Canada. These units can be flatbed trucked in, or brought in by barge within a few days.

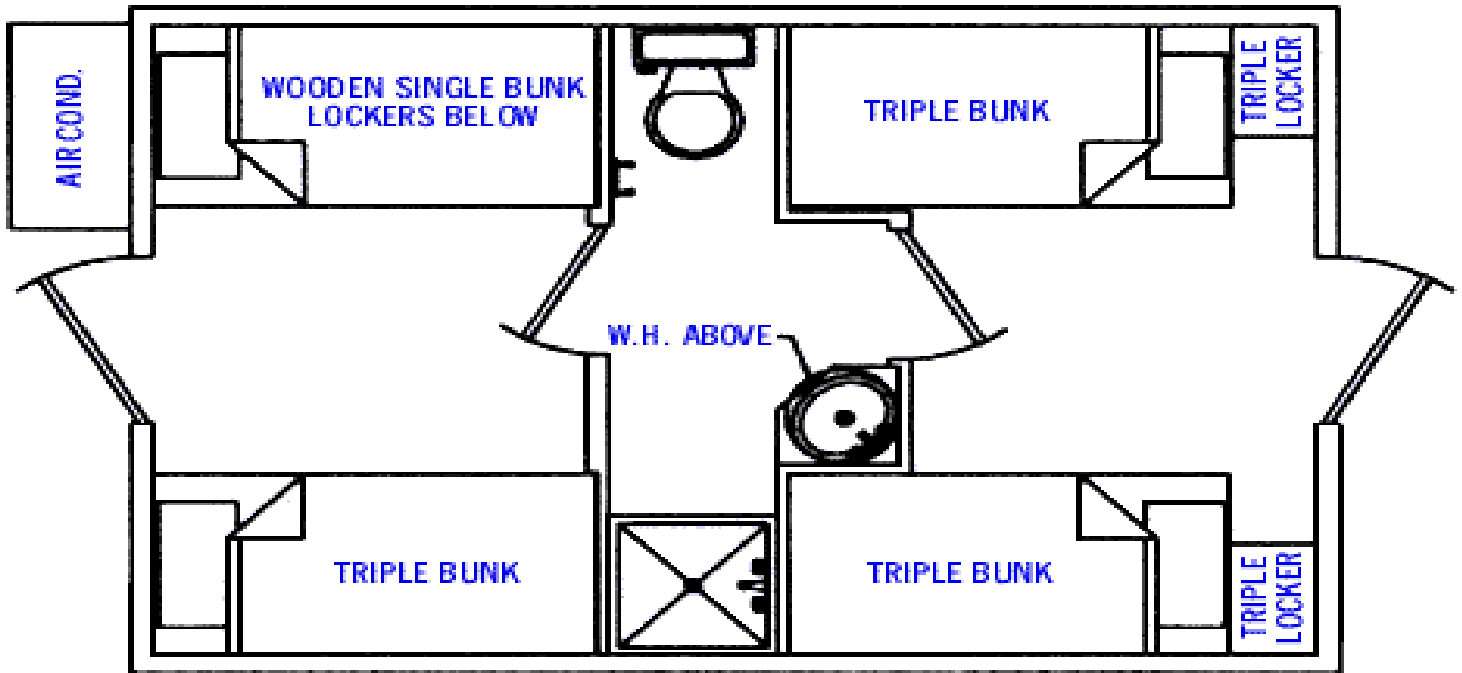
The advantages of these systems are their flexibility and their ability to interconnect with each other as well as stack on each other, thus saving the square footage footprint of the camp.

Other considerations of using modular units are that the deployment and return costs are high due to transportation requirement. As such, they should be used in situations requiring a base camp to be established over 30-days in length.

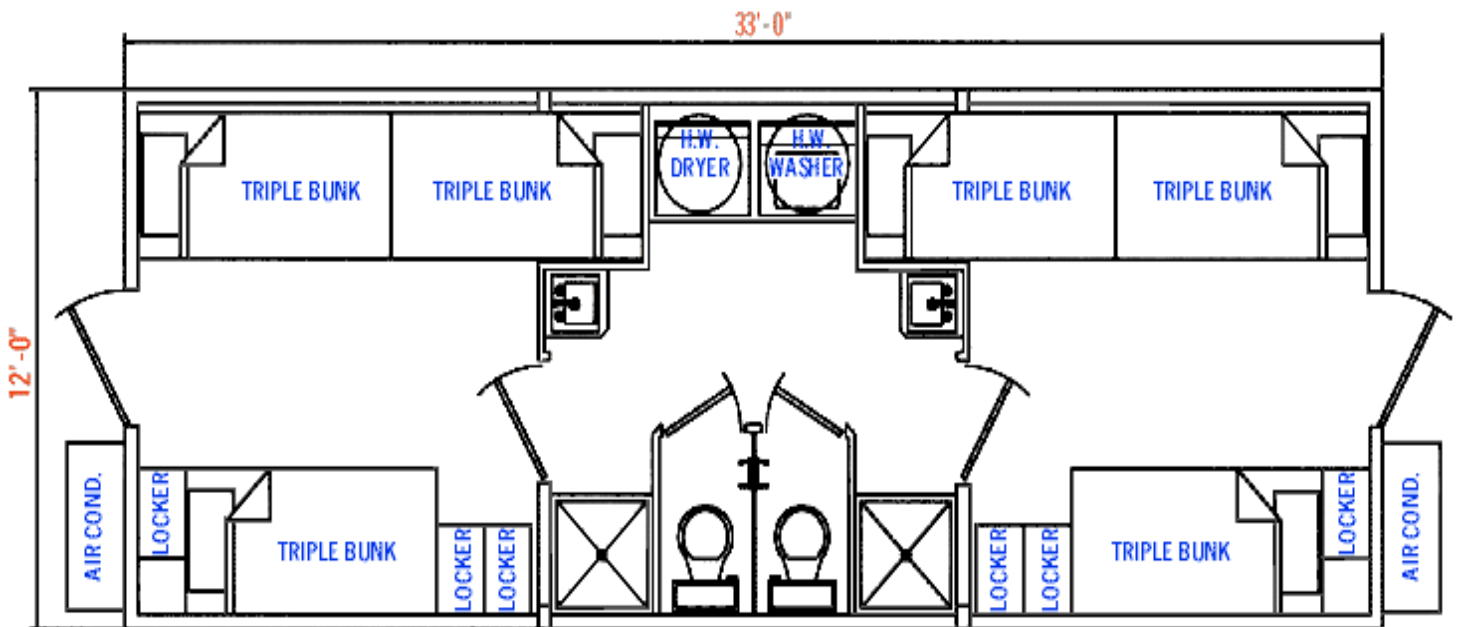
The following is just an example of the modules available.

- 2, 4 10, 12 and 18 Person Bunkhouses
- Galleys
- Diners
- Offices
- Classrooms
- Medical Units
- Laundry Rooms
- Recreation Rooms
- Virtually any application can be custom made

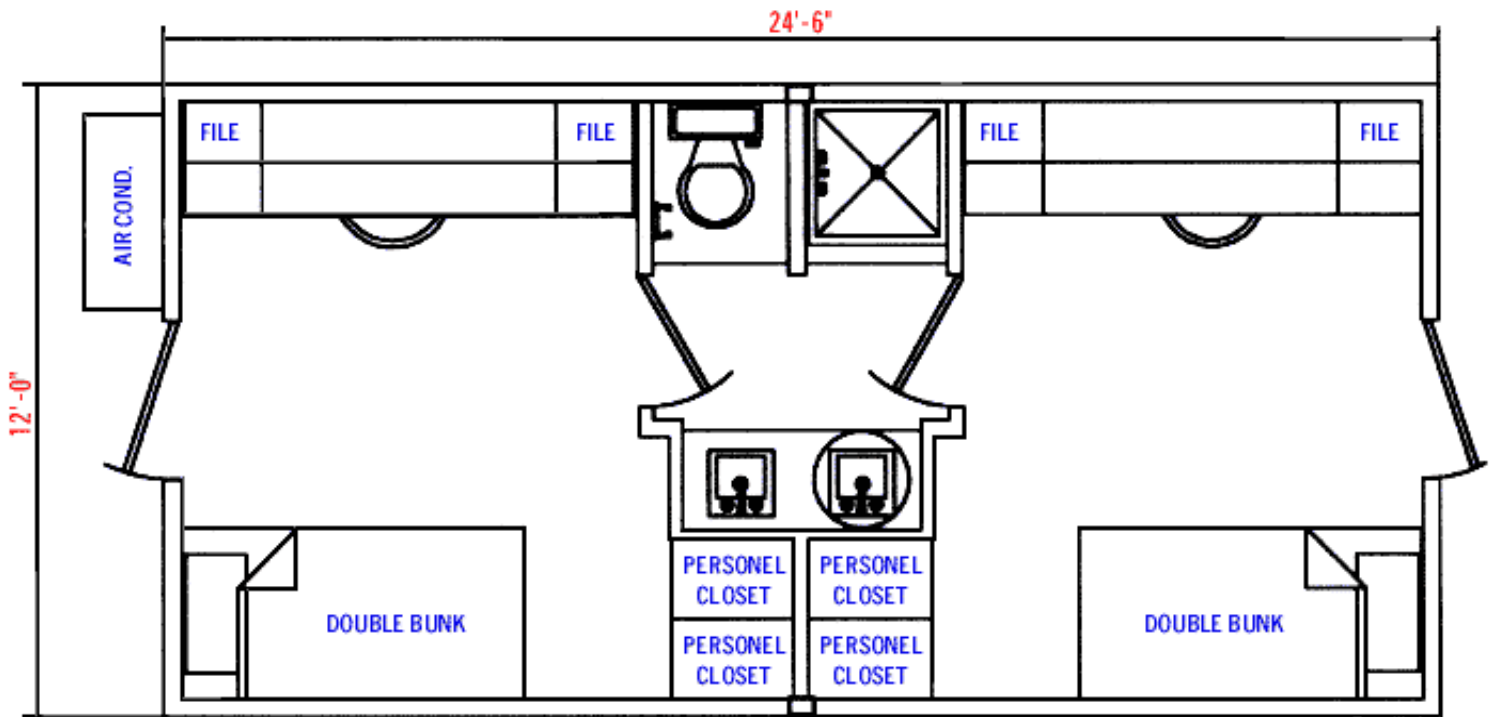
10 PERSON CREW BUNK MODULES



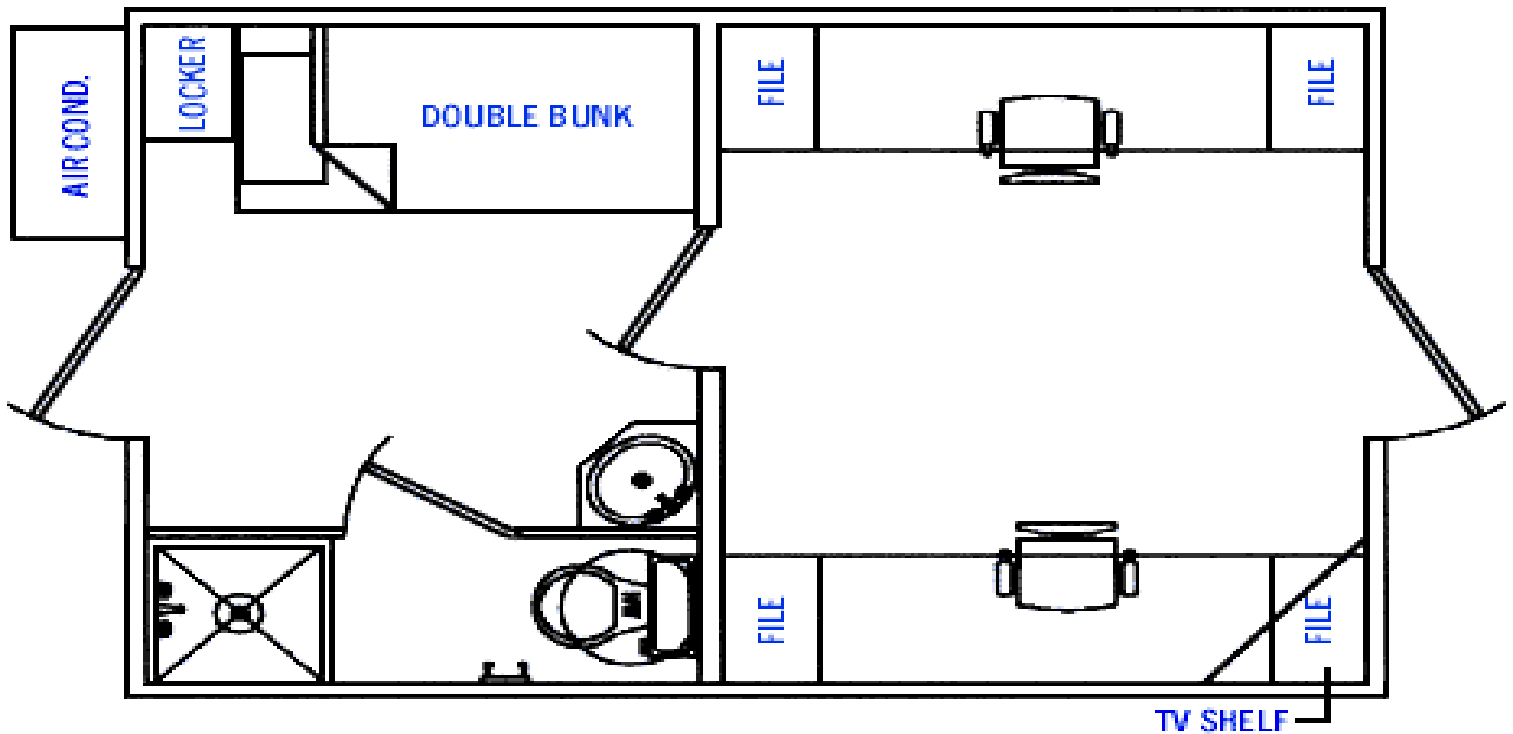
18 PERSON CREW BUNK MODULES



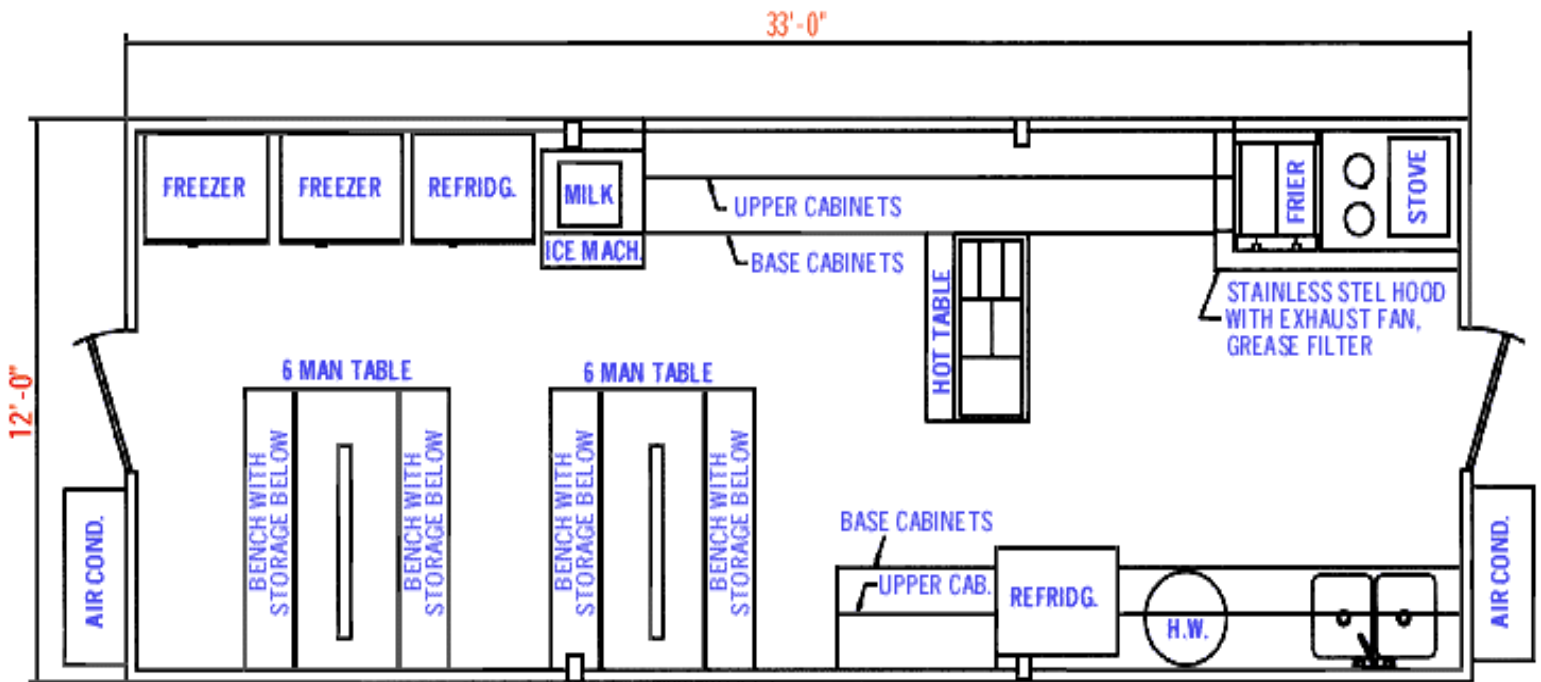
4 PERSON SUPERVISOR BUNK MODULE



2 PERSON EXECUTIVE BUNK MODULE



33' GALLEY MODULES



DOUBLE DECK STACKING OF HOUSING MODULES



Appendix 1: National Incident Management System Base Camp Specifications

RESOURCE: State of Florida - Emergency Worker Base Camps						
CATEGORY:	Emergency Worker Encampment / Life Support / Base Camp			KIND:	Facility System	
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	<i>FIGURES 1 & 2</i>	<i>FIGURES 3 & 4</i>	<i>FIGURES 5 & 6</i>	<i>FIGURES 7 & 8</i>	<i>MOBILE</i>
Site Capacity	Capacity	1000 Persons	750 Persons	500 Persons	250 Persons	100-150 Persons
Site Type	Type	Fixed Structures Camp, Hard sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Fixed Structures Camp, Hard Sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Fixed Structures Camp, Hard or Soft Sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Fixed Structures Camp, Soft Sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Type V: Mobile 53' self-contained semi-trailer systems Type VI: Travel Trailers mobile bunkhouses or RV's.
Set-Up Time	Time	84 – 96 Hours from time of arrival on scene	84 – 96 Hours from time of arrival on scene	72 - 84 Hours from time of arrival on scene	48 - 72 Hours from time of arrival on scene	Mobile – 2-6 Hours from time of arrival on scene
Square Footage Requirements	Space	CAMP: 250,000 Sq. Ft. PARKING: 550,000 Sq. Ft. TOTAL: 800,000 Sq. Ft	CAMP: 210,000 Sq. Ft. PARKING: 370,000 Sq. Ft. TOTAL: 580,000 Sq. Ft.	CAMP: 180,000 Sq. Ft. PARKING: 180,000 Sq. Ft. TOTAL: 360,000 Sq. Ft.	CAMP: 170,000 Sq. Ft. PARKING: 120,000 Sq. Ft. TOTAL: 290,000 Sq. Ft.	CAMP: 50,000 Sq. Ft. PARKING: 50,000 Sq. Ft. TOTAL: 100,000 Sq. Ft
Site Prep	Equipment	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	Vehicles should remain on hardstand surfaces.
Parking Area(s)	Space	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.

RESOURCE: State of Florida - Emergency Worker Base Camps						
CATEGORY: Emergency Worker Encampment / Life Support / Base Camp			KIND: Facility System			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
Camp Management	Government Personnel	Type II IST – Camp Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager	Type III IST Camp Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager	Type III IST Camp Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager	Type III IST or Logistics Section Camp Manager Food Unit Leader Safety Officer Medical Unit Leader	Logistics Section - Camp Manager Food Unit Leader Safety Officer Medical Unit Leader
Camp Construction, Engineering and Operations	Contractor Personnel	Director of Operations Chief of Operations Logistics Officer Project Managers Camp Managers Safety Personnel Camp Administration Site Operations Surveyor Engineer CAD Technician Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operators Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Director of Operations Chief of Operations Logistics Officer Project Managers Camp Managers Safety Personnel Camp Administration Site Operations Surveyor Engineer CAD Technician Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operators Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Director of Operations Chief of Operations Logistics Officer Project Managers Camp Managers Safety Personnel Camp Administration Site Operations Surveyors Engineer CAD Technician Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operators Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Chief of Operations Logistics Officer Project Managers Camp Managers Safety Personnel Camp Administration Site Operations Surveyor Engineer Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Sous Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operator Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Small Management Team Operations Manager Truck Drivers Porters Sous Chef Cooks Licensed Plumber Licensed Electrician Administrative Support Billeting Coordinator

RESOURCE: State of Florida - Emergency Worker Base Camps						
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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
Billleting	Equipment	1,000 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Each resident shall have access to their own individual locker that can accommodate a pad lock. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. OPTIONAL: Linens, blankets and pillows.	750 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Each resident shall have access to their own individual locker that can accommodate a pad lock. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. OPTIONAL: Linens, blankets and pillows.	500 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Each resident shall have access to their own individual locker that can accommodate a pad lock. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. OPTIONAL: Linens, blankets and pillows.	250 Persons, cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Each resident shall have access to their own individual locker that can accommodate a pad lock. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. OPTIONAL: Linens, blankets and pillows.	100-150 Persons, built in berths. Separate areas for male/female and day/night shifts. HVAC Provided in all units. Each resident shall have access to an individual locker that can accommodate a pad lock. Beds will be provided within each unit. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. OPTIONAL: Linens, blankets and pillows.
Food Services	Equipment	1,400 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility, commercial NSF restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each base camp complies with US Public Health Service 2005 Food Code	1,000 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility, commercial NSF restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each base camp complies with US Public Health Service 2005 Food Code	750 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility OR interconnected 53' Type I mobile field kitchen trailers, commercial restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each base camp complies with US Public Health Service 2005 Food Code	500 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility OR 53' Type II Mobile Feeding Kitchen semi-trailer unit, commercial restaurant equipment. Plumbed fixtures, single serving line, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each base camp complies with US Public Health Service 2005 Food Code	250 Persons per meal. Seating for 40% at a time. 40' Type II or III Mobile Feeding Kitchen semi-trailer unit, commercial restaurant equipment. Plumbed fixtures, single serving line, Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each base camp complies with US Public Health Service 2005 Food Code
Food Services	Service	Four Meals per day (3 hot or 2/2), USFS Food Service Contract Specifications 24-hour food services.	Four Meals per day (3 hot or 2/2), USFS Food Service Contract Specifications 24-hour food services.	Four Meals per day (2 hot), USFS Food Service Contract Specifications. 24-hour food services.	Four Meals per day (2 hot), USFS Food Service Contract Specifications Negotiated hours of food services.	Four Meals per day (2 hot), USFS Food Service Contract Specifications Negotiated hours of food services.
Showers	Equipment	Trailers / CONEX Self Contained,	Trailers / CONEX self-contained,	Trailers / CONEX, networked, 600	Trailers / CONEX networked, 550	Self Contained with

RESOURCE: State of Florida - Emergency Worker Base Camps						
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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
		1200 Persons (ratio of 1 shower head to 10 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract.	900 Persons (ratio of 1 shower head to 10 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract.	Persons (ratio of 1 shower head to 10 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract.	Persons (ratio of 1 shower head to 10 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract.	sleepers units (ratio of 1 shower head to 5-8 persons)
Rest Rooms	Equipment	Trailers, self-contained, 1200 Persons (ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 6 per entry to dining halls.	Trailers, self-contained, 900 Persons. (Ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 4 per entry to dining halls.	Trailers, self contained / CONEX, network plumbed, 600 Persons. (Ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 4 per entry to dining halls.	Trailers, self contained / CONEX, network plumbed 550 Persons. (Ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 4 per entry to dining halls.	Self Contained with sleeper units. (Ratio of 1 toilet to 10 persons, or 1 toilet and .5 urinals per 10 males). Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 4 per entry to dining halls.
Laundry	Equipment	Full Service fluff and fold laundry service with a 24-hour turn around service. In accordance with ANSI 4.4. Irons and boards will be provided by contractor. Dry cleaning on a 48-hour service.	Full Service fluff and fold laundry service with a 24-hour turn around service. In accordance with ANSI 4.4. Irons and boards will be provided by contractor. Dry cleaning on a 48-hour service.	Full Service fluff and fold laundry service with a 24-hour turn around service. In accordance with ANSI 4.4. Irons and boards will be provided by contractor. Dry cleaning on a 48-hour service.	Self Service fluff and fold laundry equipment provided for residents. Irons and boards will be provided by contractor.	Self Service fluff and fold laundry equipment provided for residents. Irons and boards will be provided by contractor.
Medical Clinic	Equipment	Separate tent / facility. 8 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	Separate tent / facility. 8 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	Separate tent / facility. 8 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	Separate tent / facility. 8 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	ALS Ambulance with a 10' X 20" support tent, tables and chairs and divider wall for sick calls.

RESOURCE: State of Florida - Emergency Worker Base Camps						
CATEGORY: Emergency Worker Encampment / Life Support / Base Camp			KIND: Facility System			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
		FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
COMPONENT	METRIC					
Life Safety	Equipment	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft. ANSUL system OR 6-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft.. ANSUL system OR 6-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft.. ANSUL system OR 6-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft.. ANSUL system OR 4-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all trailers at 1 per 500 Sq. Ft.. ANSUL system OR 3-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.
Moral, Welfare and Recreation	Equipment	Separate tent / facility to accommodate tables, chairs, two large screen TVs, recreational equipment, board and card games, and refreshments for 350 persons. OPTIONAL: Public Wireless Internet to extent possible. Four workstations, 1 printer.	Separate tent / facility to accommodate tables, chairs, two large screen TVs, recreational equipment, board and card games, and refreshments for 250 persons. OPTIONAL: Public Wireless Internet to extent possible. Four workstations, 1 printer.	Combined with Dining Hall or separate facility. Tables, chairs, two large TVs, recreational equipment, board and card games, and refreshments for 200 persons. OPTIONAL: Public Wireless Internet to extent possible. Three workstations, 1 printer.	Combined with Dining Hall. Tables, chairs, two TVs, board and card games, and refreshments for 150 persons. OPTIONAL: Public Wireless Internet to extent possible. Two workstations, 1 printer.	Attached to or adjacent to mobile units. Tables, chairs, TV, board and card games and refreshments for 50 persons. OPTIONAL: Public Wireless Internet
Administration	Equipment	Separate administrative area for camp management. Resident check-in, credentialing, resource ordering, central security, and camp command element. 2 copiers, 2 fax, folding tables, chairs, and administrative office supplies. Credentialing/badgeing system.	Separate administrative area for camp management. Resident check-in, credentialing, resource ordering, central security, and command element. 1 copier, 1 fax, folding tables, chairs, and administrative office supplies. Credentialing/badgeing system.	Separate administrative area for camp management. Resident check-in, resource ordering, central security, and command element. 1 copier, 1 fax, folding tables, chairs, and administrative office supplies. Credentialing/badgeing system.	Separate administrative area for camp management. Resident check-in, resource ordering, central security, and command element. 1 copier, 1 fax, folding tables, chairs, and administrative office supplies. Credentialing/badgeing system.	Separate administrative area for camp management. Resident check-in, resource ordering, central security, and command element. 1 copier, 1 fax, folding tables, chairs, and administrative office supplies. May be pre installed in a trailer.

RESOURCE: State of Florida - Emergency Worker Base Camps						
CATEGORY: Emergency Worker Encampment / Life Support / Base Camp			KIND: Facility System			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
Security	Services	Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard. May be contracted under the supervision of sworn law enforcement. 6' temporary chin link fence if site is unsecured with gates.	Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard. May be contracted under the supervision of sworn law enforcement. 6' temporary chin link fence if site is unsecured with gates.	Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard. May be contracted under the supervision of sworn law enforcement. 6' temporary chin link fence if site is unsecured with gates.	Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard. May be contracted under the supervision of sworn law enforcement. 6' temporary chin link fence if site is unsecured with gates.	Security personnel provided to maintain site security and protection of property. May be contracted under the supervision of sworn law enforcement.
Information Technology and Communications	Equipment	ISDN, DSL or satellite data access for the administration of camp operations. Includes at least eight (8) computer workstations, 2 printers, 1 document scanner, 20 POTS or VoIP telephone lines to support voice and fax, Camp public address system Camp two-way radio system with 40 radios. NOAA Weather Radio. OPTIONAL: Public telephone trailers for camp residents provided as available.	ISDN, DSL or satellite data access for the administration of camp operations. Includes at least eight (8) computer workstations, 2 printers, 1 document scanner, 20 POTS or VoIP telephone lines to support voice and fax, Camp public address system Camp two-way radio system with 40 radios. NOAA Weather Radio OPTIONAL: Public telephone trailers for camp residents provided as available.	ISDN, DSL or satellite data access for the administration of camp operations. Includes at least six (6) computer workstations, 1 printers, 1 document scanner, 16 POTS or VoIP telephone lines to support voice and fax, Camp public address system Camp two-way radio system with 30 radios. NOAA Weather Radio OPTIONAL: Public telephone trailers for camp residents provided as available.	ISDN, DSL or satellite data access for the administration of camp operations. Includes at least four (4) computer workstations, 1 printers, 1 document scanner, 12 POTS or VoIP telephone lines to support voice and fax, Two hand held megaphones Camp two-way radio system with 20 radios. NOAA Weather Radio OPTIONAL: Public telephone trailers for camp residents provided as available.	Satellite data access for the administration of camp operations. 4 satellite and/or VoIP telephone lines for the administration office, backed up by cellular telephones. Two hand held megaphones Camp two-way radio system with 20 radios. NOAA Weather Radio.
Infrastructure Support Services	Equipment	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), fire extinguishers.

RESOURCE: State of Florida - Emergency Worker Base Camps						
CATEGORY: Emergency Worker Encampment / Life Support / Base Camp			KIND: Facility System			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
Ablution	Equipment	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each camp.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each camp.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each camp.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each camp.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each camp.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards.</p>
Commissary	Services	<p>OPTIONAL: A full service Commissary shall be provided in the camp in accordance with USFS Commissary Contract Standards.</p>	<p>OPTIONAL: A full service Commissary shall be provided in the camp in accordance with USFS Commissary Contract Standards.</p>	<p>OPTIONAL: Limited service Commissary shall be provided in the camp in accordance with USFS Commissary Contract Standards.</p>	<p>Limited basic essential convenience items (toothpaste, shave cream etc) available in the Administration Office on a cost recovery basis.</p>	<p>Limited basic essential convenience items (toothpaste, shave cream etc) available in the Administration Office on a cost recovery basis.</p>

RESOURCE: State of Florida - Emergency Worker Base Camps						
CATEGORY: Emergency Worker Encampment / Life Support / Base Camp			KIND: Facility System			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
K-9 Support Area	Equipment	OPTIONAL: A K-9 support area will be established for USaR, Bomb, Drug, and/or other security or specialty K-9 dogs attached to personnel residing in the camp. An area away from resident sleeping and dining areas will be designated with a separate chain link fence, dog walk area. Portable cages under cover, hand wash station and lighting will be provided in the space. Food, water, and cleaning of the space will be the responsibility of the handlers.	OPTIONAL: A K-9 support area will be established for USaR, Bomb, Drug, and/or other security or specialty K-9 dogs attached to personnel residing in the camp. An area away from resident sleeping and dining areas will be designated with a separate chain link fence, dog walk area. Portable cages under cover, hand wash station and lighting will be provided in the space. Food, water, and cleaning of the space will be the responsibility of the handlers.	OPTIONAL: A K-9 support area will be established for USaR, Bomb, Drug, and/or other security or specialty K-9 dogs attached to personnel residing in the camp. An area away from resident sleeping and dining areas will be designated with a separate chain link fence, dog walk area. Portable cages under cover, hand wash station and lighting will be provided in the space. Food, water, and cleaning of the space will be the responsibility of the handlers.	OPTIONAL: A K-9 support area will be established for USaR, Bomb, Drug, and/or other security or specialty K-9 dogs attached to personnel residing in the camp. An area away from resident sleeping and dining areas will be designated with a separate chain link fence, dog walk area. Portable cages under cover, hand wash station and lighting will be provided in the space. Food, water, and cleaning of the space will be the responsibility of the handlers.	N/A
Vehicle Support, Maintenance and Refueling Area	Equipment and Space	OPTIONAL: A designated area will be established contiguous to the camp for the purpose of basic vehicle maintenance and refueling. Vehicle maintenance services, tire repairs and refueling services will be separately contracted for to include services, equipment, parts and materials, waste disposal, fluid containment and berms and fire suppression systems.	OPTIONAL: A designated area will be established contiguous to the camp for the purpose of basic vehicle maintenance and refueling. Vehicle maintenance services, tire repairs and refueling services will be separately contracted for to include services, equipment, parts and materials, waste disposal, fluid containment and berms and fire suppression systems.	OPTIONAL: A designated area will be established contiguous to the camp for the purpose of basic vehicle maintenance and refueling. Vehicle maintenance services, tire repairs and refueling services will be separately contracted for to include services, equipment, parts and materials, waste disposal, fluid containment and berms and fire suppression systems.	OPTIONAL: A designated area will be established contiguous to the camp for the purpose of basic vehicle maintenance and refueling. Vehicle maintenance services, tire repairs and refueling services will be separately contracted for to include services, equipment, parts and materials, waste disposal, fluid containment and berms and fire suppression systems.	OPTIONAL: Field refueling split tank trucks (diesel/MOGAS) will be provided to support emergency responders under a separate contract.
ATM	Equipment	OPTIONAL: Portable ATM Machine or trailers provided if possible.	OPTIONAL: Portable ATM Machine or trailer provided if possible.	OPTIONAL: Portable ATM Machine or trailer provided if possible.	OPTIONAL: Portable ATM Machine or trailer provided if possible.	N/A

RESOURCE: State of Florida - Emergency Worker Base Camps						
CATEGORY: Emergency Worker Encampment / Life Support / Base Camp			KIND: Facility System			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
Postal and Express Services	Service	OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the camp for residents.	OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the camp for residents.	OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the camp for residents.	OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the camp for residents.	N/A
<p>BASE CAMPS:</p> <p>Base camps are established as required in areas close in proximity to emergency impact areas. The purpose is to accommodate emergency workers responding to events in areas either where there are limited hotel/motel resources, or when occupying hotels/motels would not permit disaster victims from relocating from shelters into hotel/motels, thus extending the emergency shelter phase of the operation. Commercial contractors/vendors providing "turn-key" services will be considered the primary source of the establishment of base camps. For larger camps, Types can be combined at one site, such as a Type I and a Type II to build a 1,500 person camp.</p> <p>The Contractor should have an ability to construct the base camps and habilitate responders, recovery workers, military and relief agency workers with tents or modular units, provide air conditioning, heating, beds and/or cots, bedding, dining halls, kitchens, medical unit, reefer trucks to haul food & Ice and store, 4 meals a day, shower units, hand wash units, potable (drinking) water, water purification and manifold distribution systems, toilets, on-site manifold distribution of black and grey water and associated On- Site Sanitation Systems, laundry service, leveled hardwood floors, industrial generators, diesel 4000 watt light towers, utility vehicles, tooling and equipment for plumbing, electrical, instrumentation, and other consumables including kitchen utensils,. Contractor shall also provide operations centers, recreation facilities and communication services to include telephone and wireless internet connectivity. The Contractor shall keep all of their assets mobile, staged with their own fleet of tractor-trailers, and shall be able to keep those assets available for rapid deployment if required by the Government.</p> <p>7. Detailed Scope of Work, specifications, terms, and conditions must be negotiated between the government entity and contractor.</p> <p>There are six levels of Base Camps:</p> <ul style="list-style-type: none"> • Type I support 1000 persons • Type II supports 750 persons • Type III supports 500 persons • Type IV supports 250 persons • Other: Mobile Life Support Trailers • Type V: 53' Self Contained Semi-Trailers • Type VI: 40' Motor Homes • 32' Travel Trailers <p>8. OVERVIEW of Services provided at a Base Camp include:</p> <p>Staffing and Management:</p> <ul style="list-style-type: none"> • Camp construction is considered turn key, bare base, meaning that no on-site infrastructure is technically required to build the camp. Camp construction, engineering and support services are all provided by one prime vendor, who may or may not in turn let sub-contracts for various items or services in the camp. • Prime contractor provides all engineering and support staff. • Overall, camp management is the responsibility of government at some level with the assignment of at least a Type III IMT or IST. 						

RESOURCE: State of Florida - Emergency Worker Base Camps

CATEGORY: Emergency Worker Encampment / Life Support / Base Camp **KIND:** Facility System

MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC	FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE

		<p>Billeting / Camp Type:</p> <ul style="list-style-type: none"> • First choice of accommodations is the conversion of a fixed facility / building to accommodate personnel. Such conversion includes installation of dividing walls, partitions or curtains in order to allow for some privacy. • For larger operations hard-sided tents, long span structures or soft-sided tents or CONEX Systems can be used as billeting. Tent camps can take from 48-96 hours to set-up and must conform to normal wind loading of 45 MPH sustained, or 75 MPH in hurricane areas, based on previous events where storms crossing over the camp has done significant damage to these structures. Hard sided tents are preferred over soft sided. Tents must be fitted with floors and HVAC systems for climate controlled living conditions. • For small deployments or where teams are moving from site to site every 1-2 days, self-contained 53' semi-trailer bunkhouses, travel trailers or CONEX mobile bunkhouses or RV's can be utilized. Trailers can accommodate six personnel, while bunkhouses accommodate 10 personnel. 53' semi-trailer can accommodate 12-24 persons. <p>Food Services:</p> <ul style="list-style-type: none"> • Food services will be accomplished through contract catering. Four meals per day will be served in accordance with current US Forest Service Catering Contracts. An approved 14-day rotation meal plan will be established. Food service facilities must meet all required public health code requirements to include a commercial grade (restaurant) NSF approved equipment, sealed floor, HVAC, bug screens and/or air curtain blowers, equipment and utensil sanitation, fire suppression, and hand wash stations in numbers appropriate for the size of camp. Camp catering must be able to feed at least 30% more persons above camp residents <p>Shower Accommodations:</p> <ul style="list-style-type: none"> • Shower trailers or CONEX systems will be brought in. These trailers/CONEX typically accommodate 6-10 persons at a time, include a changing room. Trailers have a high capacity hot water heater, typically fueled by propane or diesel fuels. Camp must be able to shower 20% more persons above camp residents. <p>Restroom Accommodations:</p> <ul style="list-style-type: none"> • Porta-potties will not be used unless no other resources were available, except in remote area such as parking and service areas. Restroom trailers or CONEX systems will conform to ANSI 4.4 regulations. Restroom trailers resemble a public restroom, are well lighted, have mirrors, sinks, toilets, and urinals. Versions are available both men and women. Camp must be able to accommodate 20% more persons above camp residents. <p>Laundry Facilities and Services:</p> <ul style="list-style-type: none"> • Portable laundry trailers or CONEX systems come in two configurations, self-service and commercial. In the self-service, workers can do their own laundry just like in a laundromat. In the commercial version, a contract service will be brought in to wash, dry and fold laundry for base personnel. <p>Medical Care:</p> <ul style="list-style-type: none"> • A basic medical clinic will be provided to afford routine medical check-ups and care. Contractor shall establish the area and provide basic equipment. Medical supplies, equipment, and services shall be provided by either EMS or public health personnel. Any emergency will necessitate calling 911. • <p>Moral, Welfare and Recreation Facility:</p> <ul style="list-style-type: none"> • Between meal periods, the dining tent will be used as a recreation facility for Type IV, V, and VI camps. On Type I, II and III camps accommodating over 500 personnel, a separate tent facility will be provided with recreation items such as a Ping-Pong table, large screen TV, reading library, daily newspapers, board games, cards and other items to afford workers a means to relax between shifts. Internet workstations shall be an option for personnel to check e-mail or document work related activities. <p>Administration:</p> <ul style="list-style-type: none"> • Personnel check-in. Agencies sending emergency personnel to a Base Camp will identify those personnel by name / agency to the Camp Manager in advance of arrival, or issue a 				
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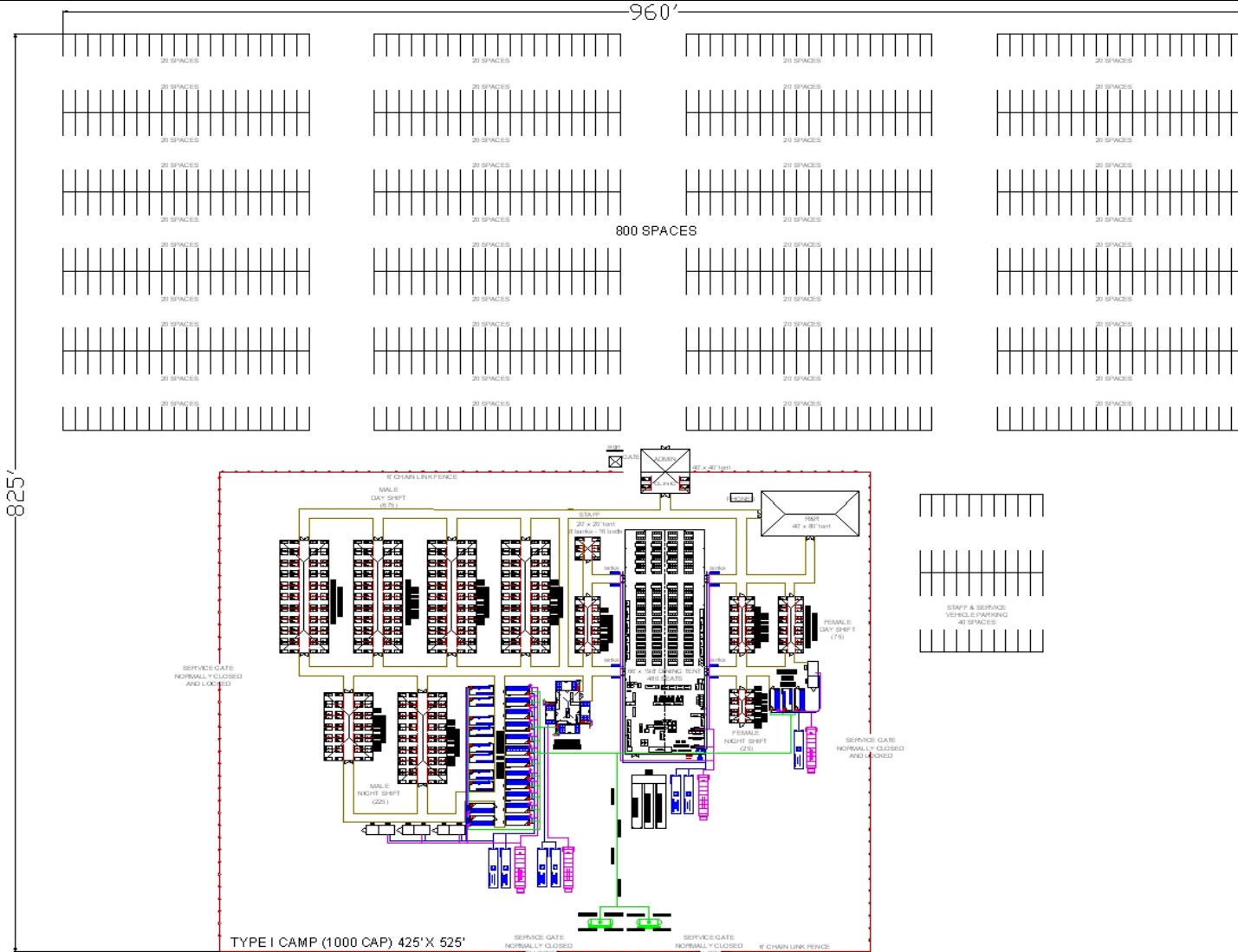
RESOURCE: State of Florida - Emergency Worker Base Camps							
CATEGORY: Emergency Worker Encampment / Life Support / Base Camp		KIND: Facility System					
MINIMUM CAPABILITIES:		TYPE I <i>FIGURES 1 & 2</i>	TYPE II <i>FIGURES 3 & 4</i>	TYPE III <i>FIGURES 5 & 6</i>	TYPE IV <i>FIGURES 7 & 8</i>	OTHER <i>MOBILE</i>	
COMPONENT	METRIC						
		<p>separate credential. Camp Managers in the Administration Unit will assign berthing space to individuals. Each person shall be issued a unique identity card indicating the level of services the person is entitled to at the camp.</p> <ul style="list-style-type: none"> • Three levels of check-in, and issuance of identity cards / credentialing are designated: <ul style="list-style-type: none"> Resident – Full time sleeping, dining and full services Meals and Showers Only – Typically for commercial trucking personnel who sleep in their trucks and only require food, shower and laundry support Meals Only – Personnel who will only receive meals at the Camp and reside and shower at other locations or at home. • Telecommunications <ul style="list-style-type: none"> • Public pay phone trailers will be located within the billeting area, food service, recreation and administrative areas to allow personnel to call family and friends • POTS or VoIP telephone lines and ISDN, DSL, Satellite, or fiber optic T-1 lines will be ordered to support the administrative office at the Base Camp. • Office space will be established to allow for the management of the site • Life Safety & Security will be mission tasked to law enforcement, fire, and EMS agencies to support camp operations. 					

RESOURCE: State of Florida - Emergency Worker Base Camps

CATEGORY: Emergency Worker Encampment / Life Support / Base Camp

KIND: Facility System

MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT		FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
METRIC						



State of Florida Unified Fire Services **Figure 1: TYPICAL TYPE I BASE CAMP - 1000 PERSONS**
Annex 1 – Florida Base Camps

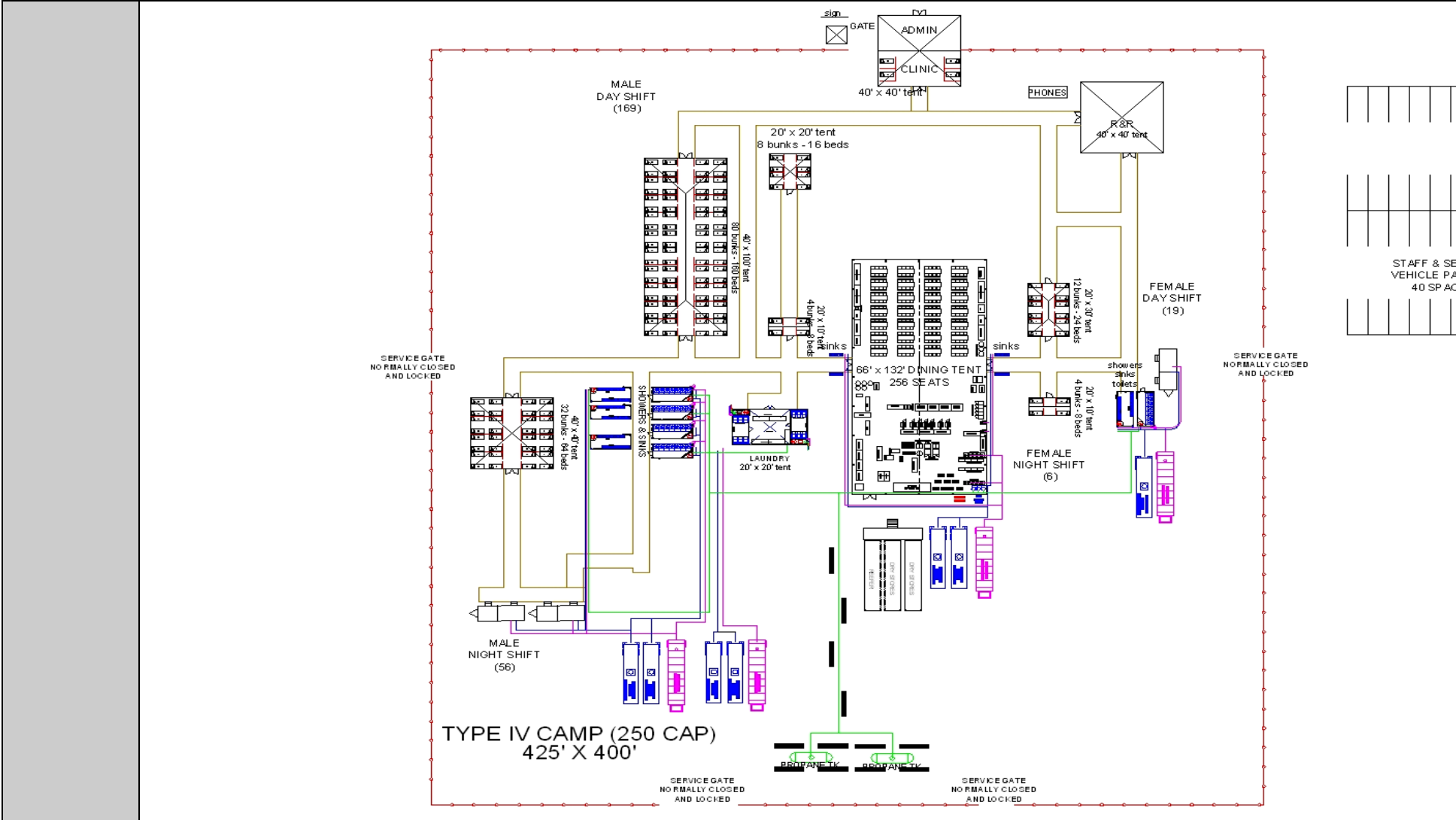
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RESOURCE: State of Florida - Emergency Worker Base Camps

CATEGORY: Emergency Worker Encampment / Life Support / Base Camp **KIND: Facility System**

MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT		FIGURES 1 & 2	FIGURES 3 & 4	FIGURES 5 & 6	FIGURES 7 & 8	MOBILE
METRIC						



RESOURCE: State of Florida - Emergency Worker Base Camps					
CATEGORY:	Emergency Worker Encampment / Life Support / Base Camp			KIND:	Facility System
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV
COMPONENT	METRIC	<i>FIGURES 1 & 2</i>	<i>FIGURES 3 & 4</i>	<i>FIGURES 5 & 6</i>	<i>OTHER MOBILE</i>
Figure 8: TYPICAL - TYPE IV BASE CAMP - 250 PERSONS					

RESOURCE: State of Florida – Catastrophic Emergency Shelter Support Systems						
CATEGORY: Catastrophic Emergency Shelter Support Systems				KIND: Facility System		
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
COMPONENT	METRIC					
Site Capacity	Capacity	10,000 Persons	5,000 Persons	2,500 Persons	1,000 Persons	500 Persons
Site Type	Type	Fixed Existing Structures Shelter, Hard sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Fixed Existing Structures Shelter, Hard Sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Fixed Existing Structures Shelter, Hard or Soft Sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Fixed Existing Structures Shelter, Soft Sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.	Fixed Existing Structures Shelter, Soft Sided Tents, CONEX or modular systems. Must conform to normal wind loading requirements of at least 45 MPH sustained, or 75 MPH in hurricane zones.
Set-Up Time	Time	10 – 14 Days from time of arrival on scene	7-10 Days from time of arrival on scene	5-7 Days from time of arrival on scene	2 – 3 Days from time of arrival on scene	1-2 Days from time of arrival on scene
Square Footage Requirements	Space	SHELTER: 200 Acres. PARKING: 150 Acres TOTAL: 350 Acres	SHELTER: 100 Acres PARKING: 70 Acres. TOTAL: 170 Acres	SHELTER: 40 Acres PARKING: 40 Acres. TOTAL: 80 Acres	SHELTER: 15 Acres PARKING: 12 Acres TOTAL: 27 Acres	SHELTER: 7 Acres PARKING: 7 Acres. TOTAL: 14 Acres.
Site Prep	Equipment	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage.	If required, site may require grading, debris clearance, and/or placement of 3-4" large gravel base for drainage...
Parking Area(s)	Space	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.	Parking area will be designated as per examples in Figures 1, 3, 5 & 7. Lot shall be well marked and lighted. One-way designated traffic routes will be established and well marked. Separate areas will be designated for large apparatus and trucks.

RESOURCE: State of Florida – Catastrophic Emergency Shelter Support Systems						
CATEGORY: Catastrophic Emergency Shelter Support Systems			KIND: Facility System			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
COMPONENT	METRIC					
Shelter Management	Local Government Personnel	Shelter Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager	Shelter Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager	Shelter Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager	Shelter Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager	Shelter Manager Food Unit Leader Safety Officer Supply Unit Leader Facilities Unit Leader Medical Unit Leader Security Manager
Shelter Construction, Engineering and Operations	Contractor Personnel	Director of Operations Chief of Operations Logistics Officer Project Managers Shelter Managers Safety Personnel Shelter Administration Site Operations Surveyor Engineer CAD Technician Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operators Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Director of Operations Chief of Operations Logistics Officer Project Managers Shelter Managers Safety Personnel Shelter Administration Site Operations Surveyor Engineer CAD Technician Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operators Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Director of Operations Chief of Operations Logistics Officer Project Managers Shelter Managers Safety Personnel Shelter Administration Site Operations Surveyors Engineer CAD Technician Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operators Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Chief of Operations Logistics Officer Project Managers Shelter Managers Safety Personnel Shelter Administration Site Operations Surveyor Engineer Equipment Managers Inventory Managers Licensed Plumbing Tech Licensed Electrical Tech Billeting Coordinators Sous Chef Food Service Group Tent/Structure Erectors Heavy Equipment Operator Truck Drivers Runner/Shuttle Drivers General Laborers Security (Contracted)	Small Management Team Operations Manager Truck Drivers Porters Sous Chef Cooks Licensed Plumber Licensed Electrician Administrative Support Billeting Coordinator Security (Contracted)

RESOURCE: State of Florida – Catastrophic Emergency Shelter Support Systems

CATEGORY: Catastrophic Emergency Shelter Support Systems **KIND:** Facility System

MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V		
COMPONENT	METRIC							
Billeting	Equipment	10,000 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Provisions must be made for Families (70%) as well as single males and single females (30%) to afford reasonable privacy. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. Linens, blankets and pillows will be provided as required and changed twice each week.	5,000 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Provisions must be made for Families (70%) as well as single males and single females (30%) to afford reasonable privacy. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. Linens, blankets and pillows will be provided as required and changed twice each week.	2,500 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Provisions must be made for Families (70%) as well as single males and single females (30%) to afford reasonable privacy. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. Linens, blankets and pillows will be provided as required and changed twice each week.	1,000 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Provisions must be made for Families (70%) as well as single males and single females (30%) to afford reasonable privacy. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. Linens, blankets and pillows will be provided as required and changed twice each week.	1,000 Persons, Bunk Beds or cots. Separate areas for male/female and day/night shifts. HVAC Provided in all structures. Provisions must be made for Families (70%) as well as single males and single females (30%) to afford reasonable privacy. Beds and or cots will be provided within each sleeping structure. In accordance with ANSI 4.4, a minimum of 50 square feet of space will be provided per occupant. Linens, blankets and pillows will be provided as required and changed twice each week.		
		Food Services	Equipment	10,250 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility, commercial NSF restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each shelter complies with US Public Health Service 2005 Food Code	5,200 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility, commercial NSF restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each shelter complies with US Public Health Service 2005 Food Code	2,650 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility, commercial NSF restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each shelter complies with US Public Health Service 2005 Food Code	1,150 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility, commercial NSF restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each shelter complies with US Public Health Service 2005 Food Code	575 Persons per meal. Seating for 40% at a time. Fixed temporary ground level facility, commercial NSF restaurant equipment. Plumbed fixtures, dual serving lines, air conditioned dining hall. Kitchen and Dining Facility: The Kitchen and Dining Facility provided at each shelter complies with US Public Health Service 2005 Food Code
				Food Services	Service	Three meals per day for clients, (2 hot). Four Meals per day for workers (3 hot or 2/2), Modified USFS Food Service Contract Specifications 1800 - 2200	Three meals per day for clients, (2 hot). Four Meals per day for workers (3 hot or 2/2), Modified USFS Food Service Contract Specifications 1800 - 2200 calories per person per day.	Three meals per day for clients, (2 hot). Four Meals per day for workers (3 hot or 2/2), Modified USFS Food Service Contract Specifications 1800 - 2200 calories

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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
COMPONENT	METRIC					
		calories per person per day. 24-Hour snack and beverage services.	24- Hour snack and beverage services.	per person per day. 24- Hour snack and beverage services.	per person per day. 24- Hour snack and beverage services.	per person per day. 24- Hour snack and beverage services.
Showers	Equipment	Trailers / CONEX Self Contained, enclosed free standing (ratio of 1 shower head to 15 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract. Must protect from weather elements and be lighted	Trailers / CONEX Self Contained, enclosed free standing (ratio of 1 shower head to 15 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract. Must protect from weather elements and be lighted	Trailers / CONEX Self Contained, enclosed free standing (ratio of 1 shower head to 15 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract. Must protect from weather elements and be lighted	Trailers / CONEX Self Contained, enclosed free standing (ratio of 1 shower head to 15 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract. Must protect from weather elements and be lighted	Trailers / CONEX Self Contained, enclosed free standing (ratio of 1 shower head to 15 persons in accordance with ANSI 4.4) Specifications in accordance with USFS Shower Contract. Must protect from weather elements and be lighted
Rest Rooms	Equipment	Trailers, self-contained, (ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) ADA Compliant restrooms provided at 1 to 50 persons) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 6 per entry to dining halls.	Trailers, self-contained, (ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) ADA Compliant restrooms provided at 1 to 50 persons) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 6 per entry to dining halls.	Trailers, self-contained, (ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) ADA Compliant restrooms provided at 1 to 50 persons) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 6 per entry to dining halls.	Trailers, self-contained, (ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) ADA Compliant restrooms provided at 1 to 50 persons) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 6 per entry to dining halls.	Trailers, self-contained, (ratio of at least 1 toilet to 20 persons, or 1 toilet and 1 urinal per 25 males) ADA Compliant restrooms provided at 1 to 50 persons) in accordance with ANSI Z4.3 and Z4.4. Augmented by Porta-lets in parking and auxiliary areas. Hand wash stations (sinks) ratio of one per 10 persons in restrooms, PLUS 6 per entry to dining halls.
Laundry	Equipment	Full Service fluff and fold laundry service with a 24-hour turn around service. In accordance with ANSI 4.4. Irons and boards will be provided by contractor.	Full Service fluff and fold laundry service with a 24-hour turn around service. In accordance with ANSI 4.4. Irons and boards will be provided by contractor.	Full Service fluff and fold laundry service with a 24-hour turn around service. In accordance with ANSI 4.4. Irons and boards will be provided by contractor	Full OR Self Service fluff and fold laundry equipment provided for residents. Irons and boards will be provided by contractor.	Self Service fluff and fold laundry equipment provided for residents. Irons and boards will be provided by contractor.

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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
COMPONENT	METRIC					
Medical Clinic	Equipment	Separate tent / facility. 50 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	Separate tent / facility. 25 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	Separate tent / facility. 13 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	Separate tent / facility. 8 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.	Separate tent / facility. 5 beds w/linen, blankets & pillows, tables, chairs, divider wall, small refrigerator, hand sink, 2 IV poles, 2 gooseneck floor lamps, 2 folding pole stretchers w/ IV poles, 2 floor fans, medical waste can/bags, 12-110 volt outlets, area for daily sick calls. Medical equipment and supplies provided by EMS or Health agency.
Life Safety	Equipment	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft. ANSUL system OR 6-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft.. ANSUL system OR 6-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft.. ANSUL system OR 6-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all spaces at 1 per 500 Sq. Ft.. ANSUL system OR 4-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.	1-5# ABC Fire extinguisher in all trailers at 1 per 500 Sq. Ft.. ANSUL system OR 3-10# BC extinguishers in kitchen space. 1 Type VI staffed Brush Truck Smoke detectors in all spaces, kitchen and storage areas.
Moral, Welfare and Recreation	Equipment	Separate tent / facility to accommodate tables, chairs, two large screen TVs, recreational equipment, board and card games, and refreshments for 350 persons. OPTIONAL: Public Wireless Internet to extent possible. Four workstations, 1 printer.	Separate tent / facility to accommodate tables, chairs, two large screen TVs, recreational equipment, board and card games, and refreshments for 250 persons. OPTIONAL: Public Wireless Internet to extent possible. Four workstations, 1 printer.	Combined with Dining Hall or separate facility. Tables, chairs, two large TVs, recreational equipment, board and card games, and refreshments for 200 persons. OPTIONAL: Public Wireless Internet to extent possible. Three workstations, 1 printer.	Combined with Dining Hall. Tables, chairs, two TVs, board and card games, and refreshments for 150 persons. OPTIONAL: Public Wireless Internet to extent possible. Two workstations, 1 printer.	Combined with Dining Hall. Tables, chairs, two TVs, board and card games, and refreshments for 150 persons. OPTIONAL: Public Wireless Internet to extent possible. Two workstations, 1 printer.

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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
COMPONENT	METRIC					
Administration	Equipment	<p>Separate administrative area for Shelter management. Resident check-in, credentialing, resource ordering, central security, and Shelter command element.</p> <p>2 copiers, 2 fax, folding tables, chairs, and administrative office supplies.</p> <p>Credentialing/badgeing system.</p>	<p>Separate administrative area for Shelter management. Resident check-in, credentialing, resource ordering, central security, and Shelter command element.</p> <p>2 copiers, 2 fax, folding tables, chairs, and administrative office supplies.</p> <p>Credentialing/badgeing system.</p>	<p>Separate administrative area for Shelter management. Resident check-in, resource ordering, central security, and command element.</p> <p>1 copier, 1 fax, folding tables, chairs, and administrative office supplies.</p> <p>Credentialing/badgeing system.</p>	<p>Separate administrative area for Shelter management. Resident check-in, resource ordering, central security, and command element.</p> <p>1 copier, 1 fax, folding tables, chairs, and administrative office supplies.</p> <p>Credentialing/badgeing system.</p>	<p>Separate administrative area for Shelter management. Resident check-in, resource ordering, central security, and command element.</p> <p>1 copier, 1 fax, folding tables, chairs, and administrative office supplies. May be pre installed in a trailer.</p>
Security	Services	<p>Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard.</p> <p>May be contracted under the supervision of sworn law enforcement.</p> <p>6' temporary chin link fence if site is unsecured with gates.</p> <p>NOTE: This is SECURITY for the site and residents; and NOT detention of residents.</p>	<p>Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard.</p> <p>May be contracted under the supervision of sworn law enforcement.</p> <p>6' temporary chin link fence if site is unsecured with gates.</p> <p>NOTE: This is SECURITY for the site and residents; and NOT detention of residents.</p>	<p>Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard.</p> <p>May be contracted under the supervision of sworn law enforcement.</p> <p>6' temporary chin link fence if site is unsecured with gates.</p> <p>NOTE: This is SECURITY for the site and residents; and NOT detention of residents.</p>	<p>Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard.</p> <p>May be contracted under the supervision of sworn law enforcement.</p> <p>6' temporary chin link fence if site is unsecured with gates.</p> <p>NOTE: This is SECURITY for the site and residents; and NOT detention of residents.</p>	<p>Full perimeter security provided. Security personnel at all gates, 24-hours per day, plus at least 1 roaming guard.</p> <p>May be contracted under the supervision of sworn law enforcement.</p> <p>6' temporary chin link fence if site is unsecured with gates.</p> <p>NOTE: This is SECURITY for the site and residents; and NOT detention of residents.</p>

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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
COMPONENT	METRIC					
Information Technology and Communication	Equipment	ISDN, DSL or satellite data access for the administration of Shelter operations. Includes at least eight (8) computer workstations, 2 printers, 1 document scanner, 40 POTS or VoIP telephone lines to support voice and fax, Shelter public address system Shelter two-way radio system with 40 radios. NOAA Weather Radio. OPTIONAL: Public telephone trailers for Shelter residents provided as available.	ISDN, DSL or satellite data access for the administration of Shelter operations. Includes at least eight (8) computer workstations, 2 printers, 1 document scanner, 30 POTS or VoIP telephone lines to support voice and fax, Shelter public address system Shelter two-way radio system with 40 radios. NOAA Weather Radio OPTIONAL: Public telephone trailers for Shelter residents provided as available.	ISDN, DSL or satellite data access for the administration of Shelter operations. Includes at least six (6) computer workstations, 1 printers, 1 document scanner, 16 POTS or VoIP telephone lines to support voice and fax, Shelter public address system Shelter two-way radio system with 30 radios. NOAA Weather Radio OPTIONAL: Public telephone trailers for Shelter residents provided as available.	ISDN, DSL or satellite data access for the administration of Shelter operations. Includes at least four (4) computer workstations, 1 printers, 1 document scanner, 12 POTS or VoIP telephone lines to support voice and fax, Two hand held megaphones Shelter two-way radio system with 20 radios. NOAA Weather Radio OPTIONAL: Public telephone trailers for Shelter residents provided as available.	ISDN, DSL or satellite data access for the administration of Shelter operations. Includes at least four (4) computer workstations, 1 printers, 1 document scanner, 12 POTS or VoIP telephone lines to support voice and fax, Two hand held megaphones Shelter two-way radio system with 20 radios. NOAA Weather Radio OPTIONAL: Public telephone trailers for Shelter residents provided as available.
Infrastructure Support Services	Equipment	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.	Multi-Fuel Truck, Potable water trucks/trailers, waste water vacuum truck, portable waste water treatment plants, wet-proof solid waste dumpsters, grease tanks, prime power generators, light towers, refrigerated food storage trailers, dry stores trailers, forklift, pallet jacks, portable loading doc(s), 6' chain link fencing w/ posts, fire extinguishers.

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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
COMPONENT	METRIC					
Ablution	Equipment	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each Shelter.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each Shelter.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each Shelter.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each Shelter.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>	<p>Potable water supply, showers, hand wash stations, laundry facilities, portable toilets, restrooms, and wastewater collection systems are provided at each Shelter.</p> <p>All water supply equipment is rated for potable water supply in accordance with ANSI/NSF 42, 53, & 61 standards. Water systems are installed and operated in accordance with AWWA standards C900, C901 and NSF 14 for distribution systems and flexible lateral supply piping.</p>
Commissary	Services	<p>OPTIONAL: A full service Commissary shall be provided in the shelter in accordance with USFS Commissary Contract Standards.</p>	<p>OPTIONAL: A full service Commissary shall be provided in the shelter in accordance with USFS Commissary Contract Standards.</p>	<p>OPTIONAL: Limited service Commissary shall be provided in the shelter in accordance with USFS Commissary Contract Standards.</p>	<p>OPTIONAL: Basic service Commissary shall be provided in the shelter</p>	<p>OPTIONAL: Basic service Commissary shall be provided in the shelter</p>
ATM	Equipment	<p>OPTIONAL: Portable ATM Machine or trailers provided if possible.</p>	<p>OPTIONAL: Portable ATM Machine or trailer provided if possible.</p>	<p>OPTIONAL: Portable ATM Machine or trailer provided if possible.</p>	<p>OPTIONAL: Portable ATM Machine or trailer provided if possible.</p>	N/A
Postal and Express Services	Service	<p>OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the Shelter for residents.</p>	<p>OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the Shelter for residents.</p>	<p>OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the Shelter for residents.</p>	<p>OPTIONAL: U.S. Postal services and express mail services (FedEx/UPS etc.) will be arranged through the Administrative Section of the Shelter for residents.</p>	N/A

EMERGENCY SHELTERS:
Emergency Shelters are established as required in areas close in proximity to emergency impact areas. The purpose is to provide basic emergency shelter services for displaced persons in areas either where there are limited hotel/motel or other alternative resources. Commercial contractors/vendors providing "turn-key" services will be considered the primary source of the establishment of

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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
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COMPONENT	METRIC					
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Emergency Shelters. For larger Shelters,

The Contractor should have an ability to construct the Emergency Shelters and habilitate displaced populations with modified structures, tents or modular mobile units, provide air conditioning, heating, beds and/or cots, bedding, dining halls, kitchens, medical unit, reefer trucks to haul food & ice and store, 3 meals a day (4 for workers), shower units, hand wash units, potable (drinking) water, water purification and manifold distribution systems, toilets, on-site manifold distribution of black and grey water and associated On-Site Sanitation Systems, laundry service, leveled hardwood floors, industrial generators, diesel 4000 watt light towers, utility vehicles, tooling and equipment for plumbing, electrical, instrumentation, and other consumables including kitchen utensils,. Contractor shall also provide operations centers, recreation facilities and communication services to include telephone and wireless internet connectivity. The Contractor shall keep all of their assets mobile, staged with their own fleet of tractor-trailers, and shall be able to keep those assets available for rapid deployment if required by the Government.

9. Detailed Scope of Work for a specific site, specifications, terms, and conditions must be negotiated between the government entity and contractor.

10. **OVERVIEW of Services provided at an Emergency Shelter includes:**

Staffing and Management:

- Shelter construction is considered turn key, bare base, meaning that no on-site infrastructure is technically required to build the Shelter. Shelter construction, engineering and support services are all provided by one prime vendor, who may or may not in turn let sub-contracts for various items or services in the Shelter.
- Prime contractor provides all engineering and support staff.
- Overall, Shelter management is the responsibility of government at some level with the assignment of at least a Type III IMT or IST.

Billeting / Shelter Type:

- First choice of accommodations is the conversion of a fixed facility / building to accommodate personnel. Such conversion includes installation of dividing walls, partitions or curtains in order to allow for some privacy.
- For larger operations hard-sided tents, long span structures or soft-sided tents or CONEX Systems can be used as billeting. Tent Shelters can take from 48-96 hours to set-up and must conform to normal wind loading of 45 MPH sustained, or 75 MPH in hurricane areas, based on previous events where storms crossing over the Shelter has done significant damage to these structures. Hard sided tents are preferred over soft sided. Tents must be fitted with floors and HVAC systems for climate controlled living conditions.

Food Services:

- Food services will be accomplished through contract catering. Three meals per day will be served in accordance with modifying current US Forest Service Catering Contracts to serve between 1800 – 2200 calories per person, per day. An approved 10-day rotation meal plan will be established. Food service facilities must meet all required public health code requirements to include a commercial grade (restaurant) NSF approved equipment, sealed floor, HVAC, bug screens and/or air curtain blowers, equipment and utensil sanitation, fire suppression, and hand wash stations in numbers appropriate for the size of Shelter. Shelter catering must be able to feed at least 5-10% more persons above Shelter residents

Shower Accommodations:

- Shower trailers or CONEX systems will be brought in. These trailers/CONEX typically accommodate 6-10 persons at a time, include a changing room. Trailers have a high capacity hot water heater, typically fueled by propane or diesel fuels. Shelter must be able to shower 10% more persons above Shelter residents.

Restroom Accommodations:

- Porta-potties will not be used unless no other resources were available, except in remote area such as parking and service areas. Restroom trailers or CONEX systems will conform to ANSI 4.4 regulations. Restroom trailers resemble a public restroom, are well lighted, have mirrors, sinks, toilets, and urinals. Versions are available both men and women. Shelter must be able to

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COMPONENT	METRIC					
	<p>accommodate 10% more persons above Shelter residents.</p> <p>Laundry Facilities and Services:</p> <ul style="list-style-type: none"> • Portable laundry trailers or CONEX systems come in two configurations, self-service and commercial. In the self-service, workers can do their own laundry just like in a laundromat. In the commercial version, a contract service will be brought in to wash, dry and fold laundry for base personnel. <p>Medical Care:</p> <ul style="list-style-type: none"> • A basic medical clinic will be provided to afford routine medical check-ups and care. Contractor shall establish the area and provide basic equipment. Medical supplies, equipment, and services shall be provided by either EMS or public health personnel. Any emergency will necessitate calling 911. • <p>Moral, Welfare and Recreation Facility:</p> <ul style="list-style-type: none"> • Between meal periods, the dining tent may be used as a recreation facility. Contractor will provide recreation items such as a Ping-Pong table, large screen TV, reading library, daily newspapers, board games, cards and other items to afford workers a means to relax between shifts. Internet workstations shall be an option for personnel to check e-mail or document work related activities. <p>Administration:</p> <ul style="list-style-type: none"> • Personnel check-in. Agencies sending emergency personnel to an Emergency Shelter will identify those personnel by name / agency to the Shelter Manager in advance of arrival, or issue a separate credential. Shelter Managers in the Administration Unit will assign berthing space to individuals. Each person shall be issued a unique identity card indicating the level of services the person is entitled to at the Shelter. • Three levels of check-in, and issuance of identity cards / credentialing are designated: <ul style="list-style-type: none"> Resident – Full time sleeping, dining and full services Meals and Showers Only – Typically for commercial trucking personnel who sleep in their trucks and only require food, shower and laundry support Meals Only – Personnel who will only receive meals at the Shelter and reside and shower at other locations or at home. • Telecommunications <ul style="list-style-type: none"> • Public pay phone trailers will be located within the billeting area, food service, recreation and administrative areas to allow personnel to call family and friends • POTS or VoIP telephone lines and ISDN, DSL, Satellite, or fiber optic T-1 lines will be ordered to support the administrative office at the Emergency Shelter. • Office space will be established to allow for the management of the site • Life Safety & Security will be mission tasked to law enforcement, fire, and EMS agencies to support Shelter operations. 					

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MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
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COMPONENT	METRIC					
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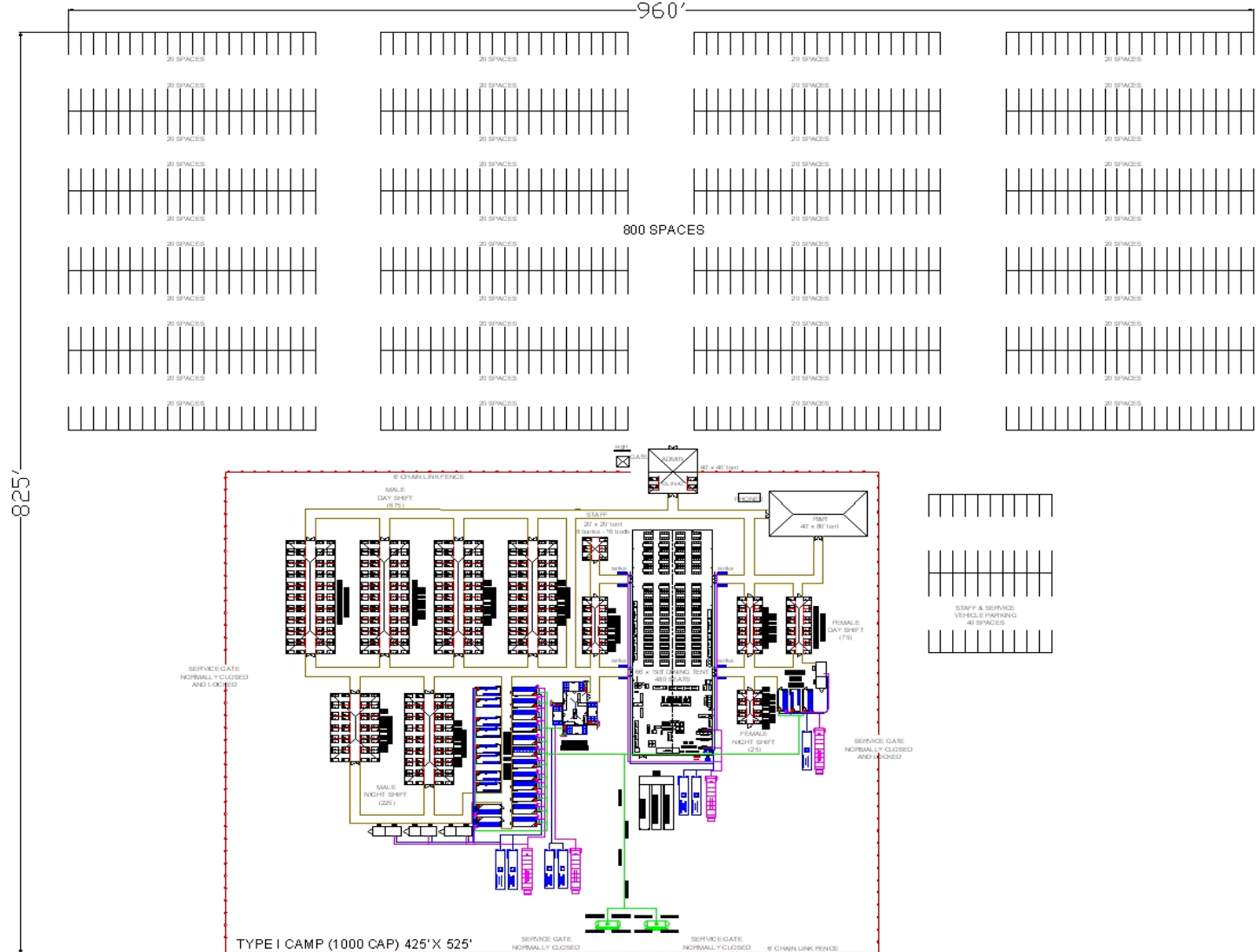


Figure 9: TYPICAL - TYPE IV EMERGENCY SHELTER - 1000 PERSONS



