

EMERGENCY MANAGEMENT PREPAREDNESS AND ASSISTANCE TRUST FUND
ARC 4496 Evaluation Questionnaire

Additional Instructions and Clarifications

1. Please review ARC 4496 before beginning the project identification process. Note all construction deficiencies with respect to ARC 4496 for individual buildings, and address each deficiency with a corrective action.
2. Prepare an individual ARC 4496 Questionnaire form for each individual building being evaluated. DO NOT combine several buildings or a campus onto a single submittal form. An Open-Plan building that has a common exterior wall and roof system (building envelope) may be considered a single building.
3. For entries that provide a multiple choice format, choose the response that is “typical” for the individual building being evaluated. For buildings that have multiple construction materials (or characteristics) and can not be described with a single entry, provide a description (and sketches) of the building. Also assume the weakest materials will be a soft-spot, and therefore the limiting factor with respect to wind performance.
4. Multiple projects can be submitted for each individual building (e.g., window shuttering, door head and foot bolts, gable-end bracing, generator prewiring, etc.). Please describe the tangible benefits that will be provided by each individual project (e.g., 250 additional shelter spaces if shuttering is performed) and a cost-estimate for each individual project.
5. Please note the definition of reinforced and partially reinforced masonry when determining applicable General and Wall Construction Type entries.

Partially Reinforced Masonry - For 8-inch hollow concrete masonry units (CMU), the maximum spacing of vertical reinforcement (rebar) at exterior walls shall be 8 feet 0 inches; 12-inch CMU can be extended to 11 feet 4 inches. Reinforcement shall be provided at each side of wall openings, corners, and wall-to-wall intersections. An alternative to reinforced cell construction is pilaster bond-beam systems. For 8-inch CMU, the maximum spacing for pilaster reinforcement (4-bar minimum pilasters) shall be 13 feet 6 inches; 12-inch CMU pilaster reinforcement can be extended to 20 feet 0 inches. Horizontal reinforcement must be present at roof and floor levels and above and below wall openings. Interior masonry bearing and/or “core area” walls shall meet the same reinforcement spacing requirements as exterior walls.

Reinforced Masonry – Reinforced masonry has the same definition as partially reinforced masonry above, except that the maximum spacing of the principal vertical reinforcement can not exceed six times the wall thickness or 4 feet 0 inches. The presence of pilasters does not have an effect upon a masonry walls classification as reinforced masonry.

6. For the purposes of this report, standard weight (wgt) concrete will have a minimum density of 100 pounds per cubic foot and minimum compressive strength of 2500 pounds per square inch.

EMPATF – ARC 4496 QUESTIONNAIRE

County: _____

Facility Name: _____

Address: _____

Current Ownership of Facility: (Public, Private) _____

Is Facility currently used as a Shelter? Yes _____ No _____

If answer is Yes, complete the following two items:

Has the Facility been reviewed by a representative of the American Red Cross using the guidelines of ARC 3031, " Mass Care: Preparedness and Operations"?

Yes _____ No _____

If answer is yes, attach completed copy of ARC 6564, "Mass Care Facility Survey", if available.

Storm Surge (SLOSH) Zone that Facility is located within, circle appropriate response:

1* 2 3 4 5 None * - includes Tropical Storm

NFIP Flood (FIRM) Zone that Facility is located within, circle appropriate response:

A _____ B C D X V zones will not be considered!

If applicable, is Facility/Shelter floor elevation above Base Flood Elevation (BFE) or SLOSH Category 4 flood elevation?

Yes _____ No _____

Additional comments concerning flooding issues: _____

Facility Name _____

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FACILITY DESCRIPTION:

Year Built _____

Has building been inspected by structural engineer, architect, construction technician, or other knowledgeable building construction inspector? Yes _____ No _____

General Construction Classification, **check only one response** as appropriate:

High Rise Structure (6+ stories)	_____	Light Steel Frame (tapered section)	_____
Reinforced Concrete Frame	_____	Heavy Timber or Glulam Frame	_____
Heavy Steel Frame (I - section)	_____	Unreinforced Masonry	_____
Reinforced Masonry	_____	Light Metal or Wood Stud	_____

Exterior Wall Construction, **check only one response** as appropriate:

Reinforced Masonry (Rebar @ 4 ft. centers or closer)	_____	Light Wood or Metal Stud w/ 1/2 inch or thicker plywood	_____
Partial Reinforced Masonry (Rebar @ 9 ft. centers or closer)	_____	Light Wood or Metal Stud w/ light non-plywood sheathing	_____
Unreinforced Masonry or Rebar spacing unknown	_____	Large Panel Glass or other Glazed Panel or Block System	_____
Reinforced Concrete or Precast Concrete Panels	_____	Metal Sheets or panels or other Light Architectural Panel Systems	_____

Does the exterior walls have a brick or stone veneer (3 to 4 inches thick)?
Yes _____ No _____

What is the percentage of Glass in the exterior walls (to the closest 5 %)? _____ %

Are there "store-front", atrium, or clerestory sections of glazing in the exterior walls?
Yes _____ No _____

Are there fixed or operable shutters or other window coverings that will protect windows from small debris impact?
Yes _____ No _____

Facility Name _____

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FACILITY DESCRIPTION (cont'd):

Roof Construction, **check only one response** as appropriate:

Cast-in-place Reinforced Concrete (standard wgt concrete, 3 inch min.) _____ Plywood on wood or metal joist or truss _____

Precast Concrete Panels ("T's", "Double T's", Planks, etc.) _____ Wood boards or T & G deck on wood joist or truss _____

Metal Decking w/ **standard wgt concrete** (3 inch min.) on metal joist, truss or beam _____ Fiberboard or Tectum on wood or metal joist or truss _____

Other Metal Decking Systems (**insulating concrete and/or rigid insulation** or other light coverings) _____ Poured Gypsum on Formboard Decking on wood or metal joist or truss _____

Roof Geometry, check appropriate response:

Flat or low slope (< 1:12) _____ Gable-end _____ Hip System _____

Shed System _____ Other _____

Is Roof Slope greater than 30 degrees (6:12)? Yes _____ No _____

Does the roof have a long span area (unsupported span of greater than 40 ft.)?

Yes _____ No _____

Are Roof Eaves/Overhangs (width > 1 ft.) present that connect directly to the roof structure?

Yes _____ No _____

Are appropriate load-path connections present for the building's construction type?

(e.g., hurricane clips and straps for wood-frame construction)

Yes _____ No _____

If Parapet(s) are present and roof ponding is a threat, are emergency overflow scuppers present?

Yes _____ No _____

Are Skylights or other overhead Atrium glass or plastic units present?

Yes _____ No _____

Facility Name _____

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FACILITY DESCRIPTION (cont'd):

Describe General Condition of the Building:

Describe other construction features (features that enhance and detract from usage) and/or site specific special hazards (e.g., HazMat (Sec. 302), close proximity debris sources, etc.) associated with this facility that should be considered when the Division of Emergency Management reviews this proposal:

Describe wind or other storm effects damage history of this facility (e.g., severe roof leaks, etc.):
