







FY 2018

95880 W

REVISION DATE: 09 JUN 2016

MCA (AS OF 06/09/2016 AT 15:20:50)

PREP DATE: 09 JUN 2016

ACF=1.00

UM=E

FORM/PROJECT NUMBER: 95880

PROJECT TITLE: Religious Education Facility

INSTALLATION: Fort Example

LOCATION: CONUS

## TAB C - GENERAL JUSTIFICATION DATA

### Remarks and/or Preparer Notes for Standard Facilities

Besides the basic building costs, some sites on some Installations have soils that require a cost factor to cover the need for special foundation treatments above the average for typical buildings and soils. Consult the Installation DPW office and the CoS P. O. C. for further guidance on this issue.

Some Installations are operating Utility Monitoring and Control Systems (UMCS) and there can be special costs for extending these systems into new facilities. Some sustainable design features that Installations desire to apply to new facilities do require special costs for site support. Consult the Installation DPW office.

Some sites can require special antiterrorism measures that relate to both the building and the site. Consult the Installation DPW office and the CoS P. O. C. for further guidance on this issue. The building information system requirements for this facility type are similar to those required by the typical unspecialized administrative facility.

This facility will require 480Y/277V service for a transformer size of 750KVA.

The transformer shall be sized for site conditions. Specific site conditions may require lightning protection and a grounding ring. Communications data and telephone requirements will be governed by I3A and installation requirements. The CoS estimates that 12 Fiber optic cables and 100 copper pair required for this facility.

Cooling, heating, ventilating and air conditioning (HVAC) will be required for the entire facility. The minimum HVAC systems capacities are estimated to be 75.8 tons for cooling and 985.3 MBH for heating.

The plumbing requirements for this facility include domestic cold and hot water, sanitary waste, gas distribution and fire protection. Domestic cold and hot water should be provided for this facility having a demand of 120 GPM.

The minimum pipe size for domestic water entering the building should be at least 3-inches.

The facility sanitary piping should be sized for approximately 195.5 DFU.

The minimum pipe size leaving the building for sanitary waste should be at least 6-inches.

Fire protection will be required to meet a sprinkler demand of at least 1,280 GPM.

Fire protection service would be served by an 8-inch pipe entering the building.

The maximum gas demand for this building is approximately 1223 CFH.

Steam or Chilled Water availability varies by site and Installation. Consult the Installation DPW office regarding all utility availability and where multiple sites are being considered, plan the costs according to the site that needs the most development. Paving costs are naturally site dependent. Consult the Installation DPW office and where multiple sites are being considered; plan the costs according to the site that needs the most development.

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**TAB E - FURNISHINGS AND EQUIPMENT**

**Furnishings and Equipment**

Item Description	Total Proc Cost (\$000)	Proc Appr FY	Proc Appr	Est Delivery Date	Proc Status	Est Instl Cost (\$000)	Instl FY	Instl Appr
1 General Furnishings Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	297	2019	OMA					
2 Mission Unique Eqp Grp 1 (Misc Eqp Items) Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	28	2019	OMA					
3 A/V System Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	338	2019	OMA					
4 Child Check-In System Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	5	2019	OMA					

**Information Systems Equipment**

Item Description	Total Proc Cost (\$000)	Proc Appr FY	Proc Appr	Est Delivery Date	Proc Status	Est Instl Cost (\$000)	Instl FY	Instl Appr
1 Info Sys - ISC	0	2019	OPA					
2 Info Sys - PROP	0	2019						

**Totals by Appropriation Type (\$000)**  
Total OMA/OMN/3400/OM DHP: 668  
Installed Equipment - Other Appropriations: 0  
Total Related Furniture & Equipment Amount: 668