

Combined Arms Collective Training Facility (PN 001535)
Fort Riley, KS
DACA41-03-B-0004

Questions and Answers
10 Sep 03

General Questions

1. There is no prevailing wage listed for electricians for the Combined Arms Collective Training Facility (CACTF) project at Ft. Riley (DACA41-03-B-0004). What wage do I need to use to be in compliance with all the relevant statutes?

Electricians are listed in the solicitation at:

KS030004 3 06/13/03
KS030027 1 06/13/03

2. According to the specifications 11130, Projection Screen, Under PART @ - 2.1 MATERIALS ...the screen width shall be 164" and shall have 2 screens divided by a 2" border. See drawings for configuration. Then the drawings show (2) projection screens both in the AAR Theater A108 (see drawing A_IN401), with a detail of the screens on page A_IN503, this detail shows a 82'0" Wide screen, which is 11'0" High and divided into 2 screens with a 1'0" black border and with a 2'0" ¾" extra drop at the top.

- 1) What should the size of the screen be? What is the height and width of the screen? Border sizes and extra drop length?
- 2) How many units should there be? Two? With each screen divided into 2 sections?
- 3) Please verify the screen model desired and whether the Da-Lite Screen model called out by name in the specification is the Director Electrol NOTE: the largest screen size available is the 200" diagonal, is this the screen & size you want?

The written description in the spec governs over the drawing in case of a conflict. The projection screen is custom made with two screens.

3. Drawing SE703 identifies horizontal and vertical #4 reinforcement at 18" o.c. maximum spacing for the interior partition wall. It appears that this is drawn at 48" spacing. Please identify which spacing is required.

The drawing is not drawn to scale therefore use the 18" o.c. max spacing as indicated.

4. Drawing AE601 through AE 603 (Door and Frame schedule for buildings A-R) has several notes listed throughout this schedule that are unclear references. The typical notation is #4 or #5 and is located adjacent to the schedule column for sill details. Please clarify this reference.

Notation references the Door Notes on each sheet.

5. Drawing AE605 detail 5 and 6 for Head, Jamb and Sill does not provide a section of the aluminum frame. Please provide this section for clarification.

We do not typically provide a section of aluminum frames. Specification section 08120 addresses the performance requirements for the aluminum door frame. Any aluminum frame that meets the dimensions indicated in the drawings and the minimum specification requirements will meet contract requirements.

6. Article 03300-2.11 issued in addendum #1 requires a 10-mil vapor barrier. Note 5 on drawing A_SE102 require a 50-mil vapor barrier. Similar notes requiring the 50-mil vapor barrier also exist at the other structures. Please clarify what product is required on the project.

Article 03300-2.11 states 10 mil is the minimum thickness of the vapor barrier. When 50 mil is called out use 50 mil.

7. Detail B/A_M-501 references a detail for the equipment pad F/F-M9.1. That drawing does not exist. Please issue the drawing for the equipment pad.

The exterior pad detail was added/references corrected in Amendment # 1 for all but building M. Building M was corrected in Amendment # 2.

8. Detail B/A-AE301 shows topping at the slab on grade and on some metal stud supports for the auditorium seating. Please issue details showing the riser configuration. Is any reinforcing required? What kind of support system is required? What gauge studs and what spacing is required for the studs? What does the floor framing supporting the deck look like? What material is on the face of the riser diagram? What deck is required? What are the stairs made of? Are the stairs plan stairs or wood stairs?

The following is provided as a clarification to the support system of the auditorium seating. Provide a cold-formed steel stud framing supporting Vulcraft 1.5VL18 (or approved equal) steel deck supporting concrete (3.5" total slab depth). Concrete shall include 6x6 W1.4xW1.4 reinforcement. Steel stud framing shall be designed by the Contractor and shall meet steel stud requirements as indicated in the specifications (use masonry veneer specification for minimum requirements). Steel stud framing shall be designed for 100 psf. live load and the weight of the materials for dead load. Framing shall include diagonal bracing in perpendicular directions to eliminate sway and to provide lateral stability to the system. Framing system shall be anchored to the slab-on-grade with 1/2" diameter (min) expansion anchors. Where concrete topping bears directly on the slab-on-grade, the concrete topping shall be anchored to the slab-on-grade similar to the typical interior mechanical pad detail.

9. Drawings K_AE101 do not identify opening dimensions or height above finish floor for the teller area openings through the interior partitions in room K103. Please clarify.

Teller area openings 2'-8" wide by 3'-4" high are to be located at 4'-0" above finish floor. Field constructed countertops are to be located 3'-4" above finish floor.

10. Drawing L_SE105 references detail 9/SE304 for the structural framing tie-in at the penthouse roof of the Hotel. Please provide detail or an alternate detail reference.

The detail referenced should be 9/SE801. The reference is incorrect.

11. Drawing L_SE101 has three details referencing? /SE801. Which details are the references intended to call out? There is no structural section detail showing a concrete structural beam above the Hotel porch as shown in the architectural section A/L_AE301. Please clarify this structural detail.

The sheet does not contain any references containing ?/SE801. The details show beams at the Hotel Porch.

12. Detail A/AE302 calls out an 8" bond beam above window openings (typical). Detail 3/SE705 shows 16" tall x 8" wide lintels above windows. Which is preferred?

Structural lintels are preferred as illustrated in Detail 3/SE705.

13. Referencing details 1 & 2/SE 306. Can a precast sump be installed instead of the cast in place sump indicated in the details?

A pre-cast sump may be installed.

14. Drawing F_SE100 issued on addendum #1 indicates that the concrete elevator pit foundation wall (detail 4/SE301) stops at the slab on grade and that the shaft wall is constructed of block. Drawing F_AE100 indicates that the shaft wall is constructed of cast in place concrete designated with wall type 11. Please clarify what the construction of the elevator shaft wall is required to be.

Detail 4/SE301 misrepresents the shaft wall as block. The wall Type 11 (cast in place concrete) as called out on sheet F_AE100. All walls below grade (basements, continuous strip footings, and basement walls) should be constructed as concrete.

15. Drawing M_AE101 and M_AE102 call out the interior partition walls of the church as type 7 or 8" thick partitions. The structural drawings M_SE101 and M_SE102 dimension these walls as 12" thick. Additionally, the masonry schedule on SE705 states that the steeple, stairs, vestibule, elec/comm and corridor are to be 12" masonry. Please clarify what size walls are required.

Walls are to be Type 8 (12" thick) as required by the structural drawings. Drawings M_AE101 and M_AE102 are incorrectly labeled.

16. Drawing M_SE107 detail 1 elevation and width of precast slabs on masonry piers conflicts with elevations and widths provided in detail 1/M_AE302. Please confirm which dimensions govern.

The drawings appear identical with no conflicts.

17. Article 03300-3.7 issued in addendum #1 indicates that finishes for formed concrete are to be left with the texture imparted by the forms except defective surfaces are to be repaired. Article 03300-3.7.1 indicates that exposed to view surfaces are to have the fins and loose material removed with surface defects greater than 1/2" deep repaired. Note IV-C4 on drawings SE001 issued in addendum #1 indicates that walls and columns are to receive a rubbed finish. Please clarify what finish is required on the exposed concrete walls, columns, and beams that occur in the basements and other locations throughout these structures.

See Section 00700 52.266.21. Specifications govern.

18. Drawing K_AE101 requires paving at the bank drive/through. Note 2 on Bldg K on drawing CS322 indicate that the paving substructure is to conform to the turning pads substructure. What is the thickness of the paving and the islands at the drive/through? Is the thickness the same as the turning pads at 10.5" or is the thickness 6" as suggested by the section A/K_AE101.

The drive through as indicated on drawings shall conform to the same thickness as the turning pads because it will be trafficked. The islands can be 6". Pad thickness is indicated correctly on sheet CS322. Section A/K_AE101 does not correctly illustrate the pad thickness and is not dimensioned.

19. Drawing L_SE104 references a detail 9/SE304. The detail does not exist. Please issue the detail referenced.

The detail should read 9/SE801. The detail on is incorrectly labeled.

20. Is 18-strand FOC placed arbitrarily without coming down the main line.

There are clusters of buildings and one building in each cluster acts much like a hub. The clusters are D,E6,E7,E8 ; E1,E2,E3,E4,E5 ; H,J,K ; M,N ; O,P ; Q,R. Therefore, not all the buildings will have a direct connection to the ROC. This can also be identified in the electrical site drawings and by looking at patch panels in the buildings.

21. There is no mention of patch cables.

Patch cables to connect patch panels in the buildings described above are not included in this contract. Termination and testing of all FOC is needed.

22. Do we have any spray-applied fireproofing on this project?

No spray-applied fireproofing on the CACTF

23. No slab thickness shown for outside concrete slabs at building L, M, & N.

Slab on grades are 6" thick with #4 @ 12" each way

Building L - The stoop uses details C/SE306 for no stairs and D/SE306 when there are stairs

Building M - See slab on grade details 1 & 2/SE307.

Building N - South Stoop use detail D/SE101, North Pad use note 2/CS322

24. Are control joints required on interior non-bearing walls.

See SE002 XI.G. for clarification of interior non-bearing walls.

25. Window frames are grouted but do we need to caulk the joint at the window frame?

The joint at the window frame does not need to be caulked.

26. It is unclear whether we use 30# felt at joint between slab and basement wall. Is this joint considered to be a control joint?

Use 30# felt between the slab and basement wall. Reference detail 5 & 6/SE301