

Q1: The one-line drawing (EP-401) depicts new 15 KV cabling and conduit to the existing section cabinet # 16A & 16B however, the site drawing (ES-100) doesn't depict where this section cabinet is located. Where are section cabinet #16A & B located?

A1: One line drawing EP401 was updated on last Addendum and there is no calling for a section cabinet #16.

Q2: One line drawing doesn't depict the 15 KV cabling routing thru manhole #11 to section cabinet #11. The one line drawing also shows the 15 KV cabling from section cabinet # 16 A & B. Is this correct or are the section cabinets on the one-line mislabeled?

A2: One line drawing EP401 was updated on last Addendum and there is no calling for a section cabinet #16.

Q3: The following specification section 26 05 41-4, 3.1 D & E (states)

Manhole Lighting: "Provide NEMA 3R lighting switch mounted no more than 600 mm (2 feet) from top of ladder and a 27 W compact fluorescent wet location light fixture in manhole. Provide dedicated 20 mm (0.75 inch) direct-buried conduit and conductors to nearest electrical panelboard."

Sump Pump: "Provide 120V cord and plug connected sump pump complete with float switch, thermal overload protection, and GFCI receptacle mounted in NEMA 3R boxes in manhole. Provide dedicated 20 mm (0.75 inch) direct-buried conduit and conductors to nearest electrical panelboard."

No manufacture catalog is given for the light fixtures or the sump pump. Also no circuitry is shown on the drawings/details. Please provide the panel designation and wire size.

**A3: See drawing EP601 for light fixture information
See drawing EP102 for sump pump circuit information
See drawing EL102 for lighting in manhole circuit information**

Q4: The following Specification Section 26 36 23-8, 2.4 A&B, calls for a remote ATS annunciator. Where is this annunciator to be located?

A4: Annunciator will be located at boiler plant bldg. 13 as shown in drawing EP102.

Q5: The following Specification Section 26 32 13 ENGINE GENERATOR. In this section, it calls for a battery charger, jacket coolant heater and outlets and lights in the sound-attenuated enclosure. There are no circuits shown on the drawings for these items. Please provide circuit numbers, wire size & conduit size.

A5: See the Generator detail #3 in drawing EP501

Q6: The following Specification Section 26 32 13-15, 2.14 A,B&C, calls for a remote generator annunciator. Where is this annunciator to be located? What size of conduit is to be run from the generator to the annunciator?

A6: Annunciator will be located at boiler plant bldg. 13 as shown in drawing ES100.

Q7: The following Specification Section 26 51 00-7, 2.3 A, calls for Fluorescent Emergency Ballasts. Since all lighting circuits are backed up by the Emergency Generator, are battery backed up fixtures required? This question applies to all Emergency light fixtures.

A7: Emergency light fixtures connected to the emergency generator don't have to have battery backup.

Q8: There is no water heater detail shown. Please provide a detail for the water heater that is to be used.

A8: Sheet PL501 Detail 10 shows water heater connection details. Follow manufacturer's instructions for details on specific product information.

Q9: Drawing PL 101 shows a grease interceptor. No piping shown and no detail. Please provide detail and where to pipe from the grease interceptor.

A9: See PL601 for interceptor specs. Interceptor to be floor mount. Pipe from sink to interceptor and interceptor to floor drain as recommended by manufacturer.

Q10: Drawing PL102 shows a storm line running to the stair well yet there is no drain shown. Please provide what is required.

A10: There should be a floor drain in the center of the stairwell.

Q11: Drawing PP101 shows a FDC and FDS. What are these as they are not noted on the plumbing schedule?

A11: Floor drain type C and Floor sink. See spec 22 13 00 section 2.5 for details.

Q12: Drawing PL101 and PL103 shows VTR yet no pipe sizes shown. Please provide pipe sizes.

A12: All VTR are 2"

Q13: Drawing PL101 calls out to day light the storm drain. Is there a DSN required as none are called out?

A13: Roof drain *OVER* flow goes to daylight. See spec 22 14 00 section 2.5.D for more detail.

Q14: There is no sump pump detail shown. Please provide detail

A14: Follow manufacturer's installation details

Q15: There are no kitchen equipment connection schedules. What needs indirect waste, gas, BFPV, and which trade is to make the final connections?

A15: Kitchen equipment is to be VA supplied at a later date.

Q16: Drawing MP101 note 2 calls for copper pipe 2-1/2" and below as well as steel for 3" and above. Can we use steel pipe for 2-1/2" and above and copper pipe for 2" and below?

A16: That's acceptable

Q17: Drawing MP101 connect to existing hot water supply / return loop in main building Y. What is the distance to tie in point and what size are we going to tie into? Are there isolation valves at the tie in point? Will the loop have to be drained down?

A17: information covered in latest revision, note 2, sheet MP102.

"CONNECT TO EXISTING HOT WATER SUPPLY/RETURN LOOP IN MAIN BUILDING "Y". APPROXIMATELY 90' FROM EXISTING 4" SHUTOFFS TO EXISTING BLDG EXTERIOR WALL. SEE DWG CU100 FOR LOCATION."

Q18: Per addendum #4 updated wage determination. What wage should be used for HVAC pipe installation? The pipefitter and plumber both exclude installation of HVAC pipe.

A18: The successful offeror will submit to the contracting officer, Standard Form (SF) 1444, Request for Authorization of Additional Classification and Rate, which, along with other pertinent data, contains the proposed additional classification and minimum wage rate including any fringe benefits payments.

Q19: Addendum #4 updated wages. There is no wage package for the insulator contractor. Please provide.

A19: The successful offeror will submit to the contracting officer, Standard Form (SF) 1444, Request for Authorization of Additional Classification and Rate, which, along with other pertinent data, contains the proposed additional classification and minimum wage rate including any fringe benefits payments.

Q20: Drawing MH-401 GHP SDL boiler layout is not listed in the bid set but was included. This drawing references boilers. There are no boilers on this project. Is that correct? Is this drawing to be removed from the bid drawings? Spec reference 00 01 15-3

A20: This drawing should not have been included. Please ignore this sheet.

Q21: Per spec section 00 01 15-3 drawing MH603, MH604, MH605, MH606, and MS100 are not included in the bid set but listed. Are they to be removed from the bid set?

A21: These sheets were unneeded and removed. Please ignore any mention of them.

Q22: Can Victaulic be used in lieu of weld on heating and chilled water 2-1/2" and up?

A22: We recommend you bid as designed and submit an RFI on this product during construction services.

Q23: There is no in-line pump detail – please provide.

A23: See attached drawing.

Q24: MH502 detail 1 and detail 6 show anchor details yet there are none shown on the drawings. Are they required?

A24: Use these details for any anchors used.

Q25: Drawing MH602 pump HP is not shown on the schedule. Is this to be installed?

A25: Details to be provided.

Q26: Drawing PP101 oxygen outlets do not have a spec. Please provide.

A26: See spec 22 63 00

Q27: Drawing PP102 note 3 references gas piping when there is none shown. Does it go to the gas water heater on the schedule?

A27: gas service to this building was removed and this note was missed. Please ignore any mention of it.

Q28: Drawing PL501 detail 9. Is there to be gas piping installed per this detail?

A28: See Q/A 27

Q29: Drawing PL202 storm drain sump. Is this precast or fiberglass? Does it require a lid?

A29: either material is acceptable. A lid is required.

Q30: Drawing PP102 note 3 calls for 1-1/2" gas while there is none shown. Is there to be gas line installed per this drawing?

A30: See Q/A 27

Q31: Drawing PP-102 water heater tagged DHW-HE-1 while the schedule calls for GWC-C1-1. What is to be used?

A31: Schedule on PL601 should read DWH-HE-1

Q32: One line diagram is doesn't appear to have all of the routing of underground conduits to manhole # 11 and section cabinet #16 based off of both the site drawing and the one-line. Are the conduits to section cabinet actually coming from manhole #11 including the conduits to section cabinet #16 also?

A32: All existing conduits to sectionalizing cabinets 16A and 16B are routed through manhole #11. Conduits to manhole #11 are routed from manhole #5.

Q33: TOILET ACCESSORY QUESTIONS

11/AE602: TD-1 - there is no code description. Please provide or make correction (it could be TPD-1).

A33.1: RFI is unclear, 11/AE602 does not have a tag as noted above (TD-1 or TPD-1), there is a PTD-1 tag, which is called out in the accessory schedule as paper towel dispenser.

3/AI601 notes FSS-2. There is no code for this. But it is also noted as FSS-1 on Elevation 15/AE601. Provide description for FSS-2 or make correction. (for rooms C1-189A and C1-163A Bariatric Toilet).

A33.2: The tag FSS-2 at enlarged plan 3/AE601 is a typo, all shower seats (4) total in the project are FSS-1 bariatric shower seats.

3A/AE602 - notation for GB3 at toilet. But must be incorrect. It must be GB4 swing up grab bar.

A33.3: Correct, grab bars at the toilets should be the swing up type - GB-4.

Should there be an MS-1 in C1-163 Bariatric room. It occurs in the rest of the rooms. See 4/AE601.

A33.4: Yes, provide MS-1 in CL-163.

2/AE602 - TPD-2 is noted but it was deleted in ADDM 7 Toilet Accessory Schedule on Sheet AE602. Please provide correct code for this elevation or make correction to ADDM 7 toilet accessory schedule.

A33.5: RFI is unclear, 2/AE602 does not have a tag as noted above (TPD-2), there is a PTD-2 tag, this should be PTD-1, which is called out in the accessory schedule as paper towel dispenser. The amended drawings eliminated the PTD-2 and PTD-3 paper towel dispensers, the tag did not get updated to the correct callout PTD-1.

We need grab bar lengths for all of the showers. For vertical and L - shape grab bars. There are conflicts between what can be scaled on floor plans and that conflicts with what can be scaled on elevations.

A33.6: Grab bar lengths for showers and toilet rooms are identified on sheet AE705 as required to meet the ABA (for VA) or ADA standard guidelines. Typically it is not a recommended practice to scale from drawings.

7 & 8/AE601 - there is no toilet paper holder shown. Is this by owner?

A33.7: No, the toilet paper dispenser is incorporated into the swing up grab bar

13/AE603 Room HAC C1-151. PTD-3 was deleted from Toilet Accessory schedule in ADDM 7 on sheet AE602. Please provide correct code or a description for PTD-3.

A33.8: Provide PTD-1 in lieu of PTD-3.

11/AE601 - there is no vertical GB1 shown. But it is shown on 3/A#601.. Need length and please clarify grab bars for all showers.

A33.9: 3/AE601 is correct, provide vertical grab bar gb-1, 18" minimum, see sheet AE705 for accessible fixture and accessory information.

14, 15, 16 & 20/ AE601 - There is no description for a WH-1. Who provides this. And what is it?

A33.10: The WH-1 tag was intended to callout a wardrobe hook and did not get picked up on the accessory schedule, provide the GH-1 garment hook accessory in lieu of WH-1, these items are provided by the contractor.

14/AE601 TD-1 is noted but there is no description for TD-1. Should this be PTD-1? Please clarify.

A33.11: Correct, TD-1 is a typo and should be PTD-1

18/AE601 This is labeled for the Visitor Toilet. It is not the Visitor toilet. But should this be Meds?

A33.12: Correct, the elevation is from room c1-166 meds.

AE602 Toilet accessory Schedule. There is a conflict for length for MS-1 Shelf. It is noted as 8" x 36" but the Model number B298-24 is indicating that it should be 24? Which is correct?

A33.13: Provide 10" x 36" shelf, design basis Bradley 7510-36 or equal.

AE602 Toilet Accessory Schedule: PTD-2 and PTD-3 were deleted from the list in ADDM 7. Therefore, wherever these notation show up - we are assuming we are not to include them in the quote. Please clarify.

A33.14: PTD-1 replaces PTD-2 and PTD-3, provide PTD-1 in lieu of the others

5, 5A, 9/AE601 - there is no toilet paper holder shown. Is this by owner?

A33.15: No, the toilet paper dispenser is incorporated into the swing up grab bar which is provided by the contractor.

1/AE601 - GB-3 is shown by toilet. But it must be a GB-4 swing up grab bar.

A33.16: Correct, all resident toilets have gb-4 swing up grab bars, one on each side of the toilet

A33: See responses above after each individual question.

Q34: The thermal and roofing specification sections need clarification. It appears that the thermal portion (roof) is to be an R39 batt, however a polyiso roof insulation (tapered) system is referenced based on the Firestone specification in section 07 22 00. In order to maintain the 1/4" per foot the worst span is about 29' which translates to a depth of 7 1/4" plus the minimum depth of 1 1/2" or roughly 8 3/4" at the transition to tile roof. There would be additional taper required as shown on sheet AE103 to divert the water to drains. It appears to me that this layer of polyiso is not to be considered as part of the overall thermal resistivity of the roof system. I would like to offer a suggestion to provide the 1/4" per foot fall be placed in the top chord of the cold formed roof trusses thus eliminating the overall need for a tapered system and just applying taper as shown on the Roof Plan (Sht. AE103).

A34: The design as is will remain.

Q35: Section 075323.1.8 lists a 30 year warranty. Section 07 22 00.3.5.1 states to have a technician rep of the manufacturer shall provide a minimum of 2 site visits during roof and deck installation to provide flood testing and necessary approvals to provide a 20 year warranty. Is a 20 or 30 year warranty required and is the flood testing a requirement?

A35: The warranty shall be 30 years, the roof membrane and insulation shall meet the requirements of section 07 53 23, 1.1 and that set forth by Firestone in order to achieve their 30 year warranty.

Q36: Section 07 22 00.3.4.a.1 references a continuous vapor retarder where indicated on the drawings. There are no details indicating a vapor retarder. Please confirm that a vapor retarder is not required.

A36: Concur, there are no details indicating a vapor retarder.

Q37: There is no specification for snow guards.

A37: Section 07 72 53 snow brackets and guards will be provided.

Q38: There are two roof fall protection anchors that were added to sheet AE103 with a reference to detail 9/S505 that has not been provided nor is there a specification for these anchors.

A38: Detail 9/s505 was included in the March 2016 addendum.