

General:

1. Will the contractor be provided with an electronic version of the CAD file of the “Construction Documents”? **Yes.**
2. What specific locations in the 19 buildings included in this project are known to contain lead paint and/or asbestos? **Asbestos surveys are available and can be provide if requested.**
3. What specific locations in the 19 buildings included in this project are required to be tested for lead paint and asbestos prior to commencing any work? Refers to the VHA Master Specifications Document, Section 00 01 00, General Requirements, Section 1.6 Operations and Storage Areas. **Please clarify what spec section you are looking at. Testing for Lead based paint and asbestos not in Section 1.6. General Requirements is section 010000**
4. In accordance with Section B, can the contractor place a construction office trailer and storage trailers for tools and materials in the gravel area near the former ball field (3rd base side)? **Yes this is acceptable.**
5. Will a construction fence in accordance with Section G be required around the contractor’s office and storage trailers? **Yes.**
6. Will a construction fence in accordance with Section G be required around temporary generators (such as the 750kW generator listed on Sheet 61-E101)? **Yes.**
7. Most of this project involves work indoors. Are there any areas that will require a construction fence? **See previous questions.**
8. See paragraph 1.6.I.4. What constitutes a “major interruption”? What is the difference between an “interruption” (paragraph 1.6.I.2) and a “major interruption”? **Major interruption is any utility impact that prevent patient care.**
9. Sheet G003: Note F. under “Architectural General Notes” states that dumpster location must be identified prior to bidding. Is this correct? And if so, what steps do we take to achieve this? **Dumpster location can be coordinated at the pre-construction meeting.**
10. Sheet 2-E101: Note 17, the panelboard referred to as 2-FP-EM-GCB cannot be located on the drawing. Is this a typo? **Yes this is a typo, the panel name in the note should be 2-FP-SB-GCB to match drawing.**

Building 1

1. Sheet 1-E101: Can crawlspace access door at room 40 be opened? (Josh Leow was not able to open it during the site visit.) Is the door in room 6 (note 10 on this sheet) the only means of accessing the conduit route called out in note 26 on this sheet? **It is my understanding that the electrical shops have used the crawl space door at room 40 in the past, but the A/E never opened it. The door noted by key note 10 was opened and can be used to access the conduit route in question.**

Building 3

1. Sheet 3-E101: Will a construction fence be required around the Building 3 transformers and service entrance disconnect while the disconnect is replaced? **Yes.**

Building 7 – Sheet 5-E101

1. The drawing appears to be incorrect. Apartment A is on the west side of the building and apartment B is on the east side. Please verify that the work described is in Apartment A and not B. **The ‘A’ and ‘B’ may be incorrect on the plans, but the work is in the location as shown on the drawing. The contractor shall verify if north arrow is incorrect or the ‘A’ and ‘B’ are swapped.**
2. The apartment is occupied 24 hours/day. The “Work Hours” on the sheet are listed as M-F 5pm – 6am, which includes the time the tenants are likely to be asleep. Can the work in this building occur during normal business hours (8 am to 5 pm)? **Yes, work in this building can be done during normal business hours, or as directed by the COR. All working hours in all buildings shall be confirmed with COR prior to beginning work.**

RFI Questions I:

1. Drawing 1-E101 – notes 1 & 15 – Please provide the Conduit & Feeder sizes for the relocation of the 112.5 Transformer. **Existing drawings indicate existing #2 feeder size. Replace with 3#2,#8G;1-1/4” Conduit.**
2. Drawing 1-E101 – note 26 – Please provide the Conduit and Feeder sizes for the new conductors from 1-FP-GEN-GWA to the new Pull Box, and then from the Pull Box to Building 63. **Provide 4#3/0,#4G;2” Conduit from 1-FP-GEN-GWA to pull box and from pull box to B63. Conduit type shall be as specified.**
3. Drawing 2-E101 – note 6 – Please provide Conduit and Feeder sizes from 2-HATS-SB-GCA to ATS-2. **Connection to ATS-2 is for start/stop signal only. Conduit shall be 1/2” minimum. Contractor shall confirm conductor size requirement for low voltage cabling for start/stop signal.**
4. Drawing 2-E101 – note 9 – Please provide the location of the “existing transformer in crawl space”, and the Conduit and Feeder sizes required for feeding this new panel 2-FP-GCA. **The transformer is a pad mount unit outside the building, interception of the feeder will take place in the crawl space. Provide 4#4/0,#4G;2-1/2” Conduit.**
5. Drawing 2-E101 – note 12 & 4 – Please provide the location of the Existing Junction Box. **See note 4 on the layout. It shows the location of the existing junction box.**
6. Drawing 2-E101 – note 17 – Please provide the location of the replacement panel 2-FP-EM-GCB. **Typo, should be 2-FP-SB-GCB. This panel is shown on the plan.**
7. Drawing 2-E-101 – note 19 – Please provide the Conduit and Feeder sizes for the new exhaust fan EF-1. **Existing feeder and conduit size to be verified by contractor. This is a disconnect/reconnect replacement of the exhaust fan.**

RFI Questions II:

1. 1-E101, notes 1 & 15 – Please provide the conduit & feeder sizes required for the relocation of the transformer. **See response to RFI Questions I, number 1 above.**
2. 1-E101, note 26 – Please provide the conduit and feeder sizes for the crawl space portion of this new feeder circuit. **See response to RFI Questions I, number 2 above.**
3. 1-E101, note 26 – Please provide the pull box size and type required for this transition from the building to underground. **Pull box shall be 16” x 16” x 6” type NEMA 3R.**

4. 1-E101, note 26 – Please provide the conduit type, size, & feeder sizes, and the type of underground ductbank, required from Building 1 to Building 63. **See response to RFI Questions I, number 3 above.**
5. 1-E101, note 26 – Please provide as built site drawings showing underground utilities, etc., between Building 1 and Building 63. **Contractor shall field verify the underground utilities prior to excavation.**
6. 2-E101, note 6 & 25 – Please provide conduit & feeder sizes required to connect 2-HATS-SB-GCA to ATS-2. **See response to RFI Questions I, number 2 above.**
7. 2-E101, note 9 – Please provide the location of the existing transformer in the crawl space, and the conduit and feeder sizes required for this extended feeder circuit. **See response to RFI Questions I, number 4 above.**
8. 2-E101, note 12 – Please provide the location of the Junction Box in which the tap is to be made, and from which the extension is to begin. **See response to RFI Questions I, number 5 above.**
9. 2-E101, note 17 – Please provide the location of panel 2-FP-EM-GCB. **See response to RFI Questions I, number 6 above.**
10. 2-E101, note 19 – Please provide conduit & feeder sizes required to extend the Exhaust Fan Circuit. **See response to RFI Questions I, number 7 above.**
11. 3-E101, notes 7 & 10 – Please provide the conduit & feeder sizes required for the relocation of 3-RP-EM-BNB. **Feeder for new panel 3-RP-EM-BNB is called out in note 14.**
12. 4-E101, note 8 – Please provide conduit & feeder sizes required from the junction box above the ceiling to the ATS. **Conduit shall be 1/2" minimum. Contractor shall confirm conductor size requirement for low voltage cabling for start/stop signal.**
13. 4-E101, note 6 – Please provide the location of T-4, type and size of conduits & feeders required, whether this circuit is to be installed underground, and the type of ductbank required. **T-4 is shown on drawing. Note 6 calls out feeder and conduit size. Dashed linetype denotes underground feeder, see sheet E-001 Legend.**
14. 4-E101, note 6 – Please provide site as-built drawing showing existing underground utilities, etc., along the proposed route of this new circuit. **Contractor shall field verify the underground utilities prior to excavation.**
15. 18-E101 (basement), note 8,15,18 – Please provide conduit & feeder sizes required for moving the 18-ATS-T18A to the new location. **Reuse existing feeder to new enclosed breaker (note 18). Provide 2 sets: 4#500,#3G;3-1/2"** Conduit from new enclosed breaker to 18-ATS-T18A.
16. 18-E101 (basement), note 10,16,19 – Please provide conduit & feeder sizes required for moving the 18-ATS-T18 to the new location. **All conduit and feeder sizes are called out on the riser diagram. See notes 20 and 21.**
17. 18-E101 (1st Floor), note 4 – Please provide the conduit & feeder sizes for re-feeding the new panel 18-RP-1WE from panel 18-PP-BEA in the basement. **Provide 4#3/0,#4G;2"** Conduit from 18-PP-BEA to 18-RP-1WE.
18. 18-E101 (1st Floor), note 4 – Please provide the feeder (cable) sizes required for all circuits to be extended. **Existing cable sizes for branch circuits have not been verified.**
19. 61-E101, note 21 – Is this note concerning existing under-slab feeders, from the junction box to the generator, to be abandoned in place? **The existing conductors shall be removed, underground/under slab conduits shall be capped and abandoned in place.**

20. 61-E101, note 22 – Please provide conduit quantity, type & size, & feeder size, to reconnect from the junction box to the generator. Building 61 was not visited during the Site Visit. **Please send photos of this work area.** **New feeders and conduits will be of the same size and quantity as existing, see note 21. Replacement is due to unequal lengths of existing conductor parallel sets. Each set shall be of equal length.**
21. 61-E101 (Building 63), note 26 – Please provide the conduit type, size, & feeder sizes, and the type of underground ductbank, required from Building 63 to Building 1. **See response to RFI Questions I, number 3 above.**
22. 135-E101, note 1 – Please provide the quantity and type of 90A Fuses to be replaced. **3-Pole disconnect has 3 fuses, see existing coordination study for model information.**
23. 135-E102, note 5 – Please provide conduit & feeder sizes required from panel 135-PP-SB-2EA to new panel 135-RP-SB-GWA. **Provide 4#2,#8G;1-1/2” Conduit.**
24. 135-E501, riser diagram – This is a new feeder as shown on the drawing. Please provide conduit & feeder sizes from 135-RP-SB-BWA to 135-PP-SB-2EA. **Provide 4#2,#8G;1-1/2” Conduit.**
25. 135-E501, riser diagram – This is a new feeder as shown on the drawing. Please provide conduit & feeder sizes from 135-PP-SB-2EA to 135-T-SB-2EA. **Provide 4#500,#2G;3-1/2” Conduit.**
26. 135-E501, riser diagram – This is a new feeder as shown on the drawing. Please provide conduit & feeder sizes from 135-T-SB-2EA to 135-LP-SB-2EA. **Provide 4#3/0,#4G;2” Conduit.**
27. 135-E501, riser diagram – This is a new feeder as shown on the drawing. Please provide conduit & feeder sizes from 135-LP-SB-2EA to 135-FP-SB-BWA. **Provide 4#3/0,#4G;2” Conduit.**
28. 135-E501, riser diagram – This is a new feeder as shown on the drawing. Please provide conduit & feeder sizes from 135-FP-SB-BWA to 135-HATS-SB-BWA. **Provide 4#3/0,#4G;2” Conduit.**
29. 137-E101, note 7 – Please provide conduit & feeder sizes from 137-HATS-LS-1SE to 137-MFPI-SEA. **See B137 PARTIAL NEW WORK RISER, note 14.**
30. 140-E101, note 15 – Please provide conduit & feeder lengths for this feeder from Building 140 to Building 38. Are the conduits existing, or will new conduits be required? Please provide more information for this requirement. **Conduit and feeder are existing to remain. See linetypes on legend sheet E-001. Connect existing feeder to new breaker in new panel. Note 15 for information only.**
31. 140-E101, note 17 – Please provide conduit & feeder lengths for this feeder from Building 140 to Building 2. Are the conduits existing, or will new conduits be required? Please provide more information for this requirement. **Conduit and feeder are existing to remain. See linetypes on legend sheet E-001. Connect existing feeder to new breaker in new panel. Note 17 for information only.**

RFI Questions III:

1. There are multiple references on the drawings regarding sizing or setting circuit breakers in coordination with existing equipment. Does the facility have an existing electrical coordination study that can be made available? **Existing coordination study including existing SKM model to be provided for contractor use.**

RFI Questions IV:

1. Sheet 1-E101 shows conduit and conductors being routed from 1-FP-GEN-GWA (in Building 1) to Building 63; the sheet shows the route moving from Building 1 Electrical Room 40 through the corridor and from the corridor to Building 63. The route is required to use underground crawl space to exit Building 1 and a duct bank across the courtyard to enter Building 63. This crawlspace does not appear to be accessible, and there is no exit from Building 1 to the courtyard along this path as a fully enclosed corridor connects the two buildings. Would it be allowable to run the conduit and conductors overhead? If not, what path should the contractor utilize to achieve this task? **The crawl space is accessible by door, see note 10. Feeder shall exit crawl space, underground into courtyard in corner of building, angled away from corridor.**
2. Will the new electrical components require commissioning? **Yes.**
3. Sheet 135-E101 note 1. What type enclosure? How many 90A fuses? **See response to RFI Questions II, number 22 above.**
4. Sheet 140-E101 note 20. What is the distance from building 140 to building 2? **See site plan sheet G002.**
5. Sheet 140-E101 note 21. What is the distance from building 140 to building 38? **See site plan sheet G002.**
6. Can you provide a tax exempt certificate?
 - a) Will the VA please provide contact information for the BMS controls contractor for the Tuscaloosa campus? **BMS: Johnson Controls**
 - b) Is all of the existing equipment to be demolished not a part of the BMS controls system? **Yes. EF in building 2 is not in the BMS.**
 - c) Does all of the existing equipment to be demolished currently have stand alone controls? **Yes. Existing equipment is stand alone.**
 - d) Will these stand alone controls be demolished by the Mechanical contractor?
 - e) Is proposed new equipment 63-VAV-1, 2EF-1, 18 EF-1, AC-1, AC-2, CU-1, CU-2 to be added to the existing BMS control system or is all new equipment to be stand alone controls installed by mechanical contractor? **63-VAV-1 shall be tied into the BMS seamlessly.**
1. (Sheet E101) A temporary generator will be required for Bldg 61 when work is being done in Bldg 140. Please explain this note? It appears Bldg 140 has nothing to do with Bldg 61, please explain. **This is a typo, a temporary generator will be required for B61 while work on generator G-61 is being performed.**

2. (Sheet G002): States Bldg 62 is an auxiliary powered generator. What buildings are fed by Bldg 62 auxiliary powered generator? **Generator G-62 serves B1, B3, and B17.**
3. What are the specific panel brands or manufacturers or equals that are required? **Specific manufacturer of panel boards not in specs. Provide panelboards that meet requirements in specification.**
4. Sheet 2E10 CU-1 & CU-2 Refers you to Note 34 there is not a note 34/ Please clarify? **Note 34 shall read: PROVIDE 30A/3P FUSED DISCONNECT IN NEMA 3R ENCLOSURE. FUSE AT 30A.**
5. Will splicing feeders or branch circuits inside of panels be allowed? **No, splices shall be made in junction boxes adjacent panel can.**
6. (Specifications Page 26 24 16-16 3.1 G) Panelboard enclosures shall not be used for conductors feeding through, spliced, or tapping off to other enclosures or devices. If these conditions already exist then how will they be addressed? **New panelboards shall conform to this spec. Circuits added to existing panelboards shall conform to this spec.**
7. If NEC working clearances in front of panel boards, transformers, etc. How will this be addressed? **Clearances for new panelboards being installed have been verified by A/E during design. Existing panelboard clearances shall be addressed as noted on drawings.**
8. **Will master keys be provided for electrical, mechanical, generator rooms etc. for contractor access? If not, how will access to these areas be provided? Engineering keys will be available for access.**