

**VETERANS AFFAIRS MEDICAL CENTER
W.G. "Bill" Hefner Medical Center
Construct Clinical Lab
SALISBURY, NORTH CAROLINA
VA246-13-B-0644**

Response to questions received from Contracting Officer, Jarrod January.

July 14, 2014

1) Q103

- a) Attached are photos of typical above ceiling corridor conditions at the Salisbury VA Medical Center. There is very little room above the ceilings. The pneumatic tubes will require wide sweeps.

A: This is a true statement.

- b) Where is the pneumatic tube system to be installed? Above the acoustical grid or below the acoustical ceiling grid?

A: The intention is to install the tube system above the acoustical grid ceiling where grid ceiling exists. It is the intention to install the tube system tight to structure where no grid exists, such as the tunnels. When in the tunnels, it is the intent to put the tube system as high as possible in an upper corner.

- c) If above, please verify that there is an existing path available among all of the existing HVAC duct, HVAC piping, medical gas, electrical conduit, light fixtures.

A: A specific route has not been determined at this time. During the design period, the design team requested a system review by a local pneumatic tube company. The company representative walked the full length of the proposed installation and advised that the routing would be complex, yet still feasible.

- d) If below, at what height range below the ceiling grid is the pneumatic tube to be installed.

A: See response B above.

2) 02 65 00 Underground Storage Tank Removal

- a) The specifications include 02 65 00 Underground Storage Tank Removal.
b) Is the removal of a UST included in the base bid? Owner's scope of work? An allowance?
c) If so, please provide the following:
i) Location
ii) Size
iii) Amount of liquid to be removed
iv) Type of liquid
v) Extent of the soil contamination that is part of this scope of work.
vi) Existing tank investigation report

A: There are no underground storage tanks to be removed on this project. Omit specification 02 65 00 underground storage tank removal.

3) Bid Item II (Deduct Alternate No. 1)

- a) Per Alternate Deduct No. 1 "delete chiller and associated pumps" **A: Item is not a question.**
b) Is the scope of work the ACC-1 (Air Cooled Chiller) **A: Yes**

4) Bid Item IX (Deduct Alternate No. 8)

- a) Per Deduct Alternate No. 8 "delete the requirement for future vertical expansion"
b) What is the overall scope of work for Deduct Alternate No. 8?

A: A redesign would be required to:

- **Eliminate concrete deck and framing for third floor, replace with STD. roof joints, decking & insulation.**
- **Downsize – footings, columns, rigid frames, elevator shafts, bracing and possibly retaining walls.**

- c) Removal of structural stub ups through the 2nd floor roof? Concrete deck?

A: Yes, concrete deck becomes STD roof joists, decking & insulation. Stub ups are eliminated.

5) S004

- a) RE:2nd floor roofing framing from column line 3 to column line 1

b) Please clarify:

- i) What type metal deck is used? **A: 1 ½" Vulcraft (or equal)**
ii) Roof insulation over metal deck? **A: 4"**
iii) No concrete over metal deck? **A: No Concrete**

6) C5

- a) RE: Proposed telephone duct bank, 250 lf. Contractor to contact and coordinate with AT&T for relocating as shown and pay for all cost and fees for relocation.
b) What is the design for the duct bank?
c) The AT&T information cannot be obtained in the short time span of bidding. Can an Allowance be included in the Contract to cover the cost of this item?

A: See attachment "Quote from ATT to VA". Potential offerors may want to ensure that the quote is still valid.

7) E003

- a) On dwg E003, power riser, why are the switchboards, ATS's, generator, medium voltage switchgear, shown with dashed lines, and the panelboards are solid lines?

A: No specific reason for the graphic differences.

8) E010

- a) Dwg E010 keynotes refer to details on E008, that do not appear on E008.

A: These are on sheet E007.

9) E003

a) Is there a buried ground loop required in this scope around the building?

A: Provide a ground loop per the contract document requirements. Refer to the grounding and bonding specification.

10) Electrical

a) Who connects the 4160V cables in manhole #9?

A: The contractor makes this connection per Key Note 8 on sheet E003.

11) Telecommunications

a) Who is responsible for the TMGB and TGB? **A: The Contractor**

b) Who is to provide cable tray, if any? **A: The Contractor**

c) Any particular manufacturer on the Cat 6 cable and Fiber?
A: Provide per specification section 27.

d) What color of faceplates are required? **A: Stainless Steel**

e) What type of ST connectors, epoxy or unicam? **A: Provide per specification section 27.**

f) What type of coax and manufacturer? **A: Provide per specification section 27.**

g) Will conduit for tele/data be stubbed above ceiling at outlet loc. Or piped to closet or cable tray?
A: Stubbed above ceiling.

h) Is patch panels standard or angled? **A: Provide per specification section 27.**

i) Who is to remove existing telecom cabling? **A: This is a new building, there is no existing cabling. In the connectors to the existing building, the contractor is responsible to remove cable if required for the demo scope.**

j) How are cables @ gate controller to be terminated? Surface mount box w/ jack or RJ-45 mod plug?
A: This is means and methods. Provide a fully function gate controller.

k) Is cable gel fil for gate controller?
A: Provide outside plant rated cable for outside plant use.

l) Are any cables required for FACP, if so how many?

A: This is a campus wide fire alarm system. Refer to the contract documents for the fire alarm system interconnection requirements.

m) Any particular color of cable for tele/data/WAP's and other specialty cable?

A: Provide per contract document requirements.

n) Are racks in tele/data closet existing or do we need to price in new?

A: This is a new building.

o) What strand count on fiber if needed?

A: Five counts are specified on the drawings.

p) Can fiber be armored or does it need to be non-armored installed in inner-duct?

A: Provide per specification section 27.

q) What type (manuf.) and size of vertical cable management?

A: Provide per specification section 27.

r) Who is supplying and installing WAP's?

A: The WAP's are provided by the Government. Cable termination and cable testing is by the contractor.

s) Are there any Security cameras? If so, are there any drawings? **A: No security cameras are shown on drawings.**

t) Are there any Card Access? If so, are there any drawings?

A by Contractor A: Yes, they are located on the electrical drawings. AAE to verify that the door hardware specifications include the system performance as a complete and operational expansion of the existing hospital card access system including, all required electronics and cabling.

A by Contractor B: Yes, card readers are indicated on architectural floor plans with the letters "CR" inside a box.

u) Is there a need for any ladder rack in the tele/data closets? If so, what size and manuf.?

A: Provide cable management in the Communication rooms per the contract document requirements. Cable management is required.

12) Sheet IF100, North wall of Connector Corridor 106 looks like it has a hand rail HR-1 along most of the North wall although it is only tagged towards the east end of the corridor. Please clarify.

A: See elevations 5 & 6 on sheet A451 and Elevator Lobby A-123 for handrail locations.

13) Sheet IF100, the wall protection tags on the drawings do not match what is in the Specifications nor the Finish Legend on IF100.

a.) Where can the correct Legend and description be found for CG1, CG2, WG1, WG2, WG3, WG4, WG5 and HR-1? Please clarify.

A: The descriptions for the requested items can be found on sheet IF001.

14) Sheet IF101, Lab Corridor C105 has an indication for a EG1, however, on IF100, that same location has an indication for Q=(2) CG-2's. Please clarify.

A: CG-2 is acceptable to use at this location. Quantity will remain two.

15) Sheet IF100, the wall protection tags on the drawings do not match what is in the Specifications nor the Finish Legend on IF100. Please clarify.

A: Wall protection should be abbreviated as WG, not WP as listed in the legend. WG corresponds with the finish specifications.

16) Sheet IF100 uses CG1 and CG2 in one fashion and on IF101 they are reversed. Please clarify.

A: Placement and types are different on each floor. Price as shown in drawings.

17) Sheet IF101, between Blood Bank A-118 and Chem & Hem A-117 there is a cased opening with Q=(2) EG1. However, in the same condition on IF102, Pathology A220, there is Q=(2) CG1. Please clarify.

A: Corner guards are preferred; however, not all wall protection companies have end guards. Corner guards are acceptable in those locations.

18) On 1/IF102, the East wall of Connector Corridor C201 has indications for Q=(2) CG2, however, at the same location on 2/IF102 these same two corner guards are indicated as CG1. Please clarify.

A: CG-1 is acceptable, according to enlarged plan 2/IF102.

19) Can you provide us with hydrant flow test information in order to prepare preliminary hydraulic calculations per the specifications? This flow test must include the static pressure, the residual pressure and the flow in gallons per minute from a fire hydrant on the underground main that will serve this new building.

A: DESIGN DATA

HAZARD CLASSIFICATIONS AND DESIGN

HAZARD CLASSIFICATIONS FOR THIS BUILDING ARE LISTED IN THE FIRE SPRINKLER LEGEND

<u>HAZARD</u>	<u>DENSITY</u>	<u>DESIGN AREA</u>
LIGHT	0.10 GPM/SF	1500SF
ORD GRP 1	0.15 GPM/SF	1500SF
ORD GRP 2	0.20 GPM/SF	1500SF

EXTERIOR HOSE STREAM DEMAND IS 250 GPM.

MANUAL CLASS I WET STANDPIPE DEMAND IS 750 GPM.

FLOW TEST DATA

FIRE FLOW TEST DATA FOR THIS SITE: BLDG 3 HYDRANT #9004, BLDG 1 HYDRANT #9001
DATE PERFORMED: 04/09/14
STATIC PRESSURE: 70 PSI
RESIDUAL PRESSURE: 38 PSI
FLOW: 978 GPM

NOTE: CONTRACTOR SHALL PROVIDE NEW FLOW TEST DATA IF FLOW DATA IS OVER 1 YEAR OLD.

20) Searching the BidClerk Database and found this project. The electrical spec shows a lightning protection system, but two other documents show “delete lightning protection”. Can you tell me if there is lightning protection in this project?

A: Lightning Protection is to be provided under the base bid.

21) It appears as though the following sheets are listed in the sheet index G001 but do not appear in the drawings package: A452, A453, A454, & IF002.

A: The sheets listed above are not going to be issued for the set. They will be removed from G001. A revised sheet G001 is attached.

22) The list of drawings includes sheet A527, Canopy Plans & Detail. I have been unable to locate this sheet in the documents posted on FBO. Please review and advise location.

A: Sheet A527 is attached.