

ADDENDUM “A”

Request for Bids Bid #16-0226

Construction of Radio Communications Tower

THIS ADDENDUM HEREBY CLARIFIES, MODIFIES, or RESPONDS to QUESTIONS received regarding the Randolph County **Request for Bids #16-0226** for the construction of a radio communications tower issued on Friday, February 26, 2016. This Addendum is being issued to notify potential Vendors of changes, additions, or needed clarifications that are being made to the specifications of **Bid #16-0226**.

Question #1

2.1 General Tower Specifications

Can the requirement for only AISC Certified Fabricator Facilities to bid be waived?

Answer: No.

Question #2

2.1 General Tower Specifications

Please clarify, the first paragraph in this section states the tower height will be 150 feet. Drawing SA-1 shows 152 feet.

Answer: Tower is not to exceed 152 feet excluding the lightening rod.

Question #3

2.1 General Tower Specifications

Is the awarded contractor of option #1 required to install and path align the antennas at Dave’s Mountain and Cedar Rock Mountain?

Answer: Yes, alignment is considered a part of antenna installation under the option.

Question #4

2.1 General Tower Specifications

There is no reference to grounding on p.5. What type of Entrance Port is required and is it the responsibility of the awarded contractor to supply and install in the wall of the new facility?

Answer: This should have read “Section 2.4 Below” instead of page 5, and the answer is that NO entrance port is required since the comm vault/conduit will provide entrance to the facility

Question #5

2.1 General Tower Specifications

Additional antenna loading for the tower design states a dish up to 6 feet, a VHF antenna and UHF antenna. We will need the tower elevation and transmission line size for each to include in the tower design.

Answer: For planning purposes only, assume the 6 ft. parabolic dish antenna is to be mounted at a height of 106 feet on the tower, the VHF vertical antenna to be mounted at a height of 150 feet and UHF vertical antenna at a height of 136 feet. Again for planning purposes only, assume the three antennas above to be fed with 7/8" hard line.

Question #6

2.1 General Tower Specifications

Climbing ladder with safety rail stated and then cable-type safety climb system stated. These are 2 different type safety systems – need to know which one is required.

Answer: Climbing ladder with safety rail is required.

Question #7

2.2 Transmission Lines

Bit of a grey area on support spacing. Manufacture specs. for 1/2" coax 100 mph with 1/2" ice 4'-100 mph with 1" ice 3'. Tower is to be designed at 120 MPH with .75 (3/4") ice. Please clarify coax support spacing of 4' is sufficient.

Answer: Three feet spacing should be used since this is a more stringent requirement

Question #8

2.4.2 Tower Ground Bus Bar

Following best industry standards and manufactures specifications we are assuming additional ground bar(s) will need to be strategically placed on the tower for "upper" coax ground straps.

Answer: Yes that is correct

Question #9

2.4.3 Lightning Surge Protection

Please clarify if the county is going to provide the SPD "Trapeze" and who is responsible for its installation.

Answer: Randolph County shall provide the material and the Contractor shall install if the option is exercised

Question #10

2.5.1 Tower Protection

Please provide estimated distance from the alarmed gate location to the controller.

Answer: The security controller will be mounted in the telephone room with other equipment (i.e. radios). Maximum distance of 150 feet should be used.

Question #11

2.5.1 Tower Protection

We request if the gate sensor alarm could be made part of the contract for the electrical for the building alarms and not included in fencing requirement.

Answer: The audible alarm will not be the responsibility of the tower contractor, however, the winning vendor will be responsible for coordinating the installation of the alarm with Miles McClellan Construction or their subcontractor.

Question #12

3.1 General Installation Standards

Will Randolph County also be responsible for all other aspects in which are sometimes required prior to construction of a communication facility?

Answer: The tower site is part of a building site that is already permitted. The architect is obtaining a zoning permit for the tower (see 3.3 second paragraph in the specification). The Contractor is responsible for all aspects of the tower installation.

Question #13

3.1 General Installation Standards

We would provide PE sealed designs for the tower and foundation after receipt of order.

In the bid stage we would provide preliminary drawings for each.

Final engineering is not completed until actual order is received.

Answer: This is acceptable, NC PE sealed drawings can be provided after the order is provided to the Contractor.

Question #14

3.1 General Installation Standards

Please clarify vault(s) and conduits are to be supplied and installed by others.

Answer: The comm vaults/conduit shall be provided/installed by the General Contractor and/or Electrical Subcontractor. This will require coordination between the Tower Contractor and all others involved.

Question #15

3.1 General Installation Standards

We are requesting if it would be possible for the GC to place the concrete vault he is supplying above the foundation mat as he would have equipment to do so in setting it on site.

Answer: See question #12 above

Question# 16

3.6 Warranties and Service Agreements

The requirement of a manufactures warranty and workmanship warranty is common place for any newly constructed communication tower. However we would be unable to provide 24/7 support, that requirement appears to us to be a maintenance-service contract which we are unable to comply. Would our proposal be void for non-compliance of the 24/7 service contract?

Answer: No.

Question #17

7.11 Article 7, Contractor

The Contractor shall attend job progress conferences and all other meetings or conferences as directed by the Architect. Is call in acceptable?

Answer: Yes, however there is a limited number of meetings the tower contractor will be required to attend.

Question #18

13.7 Article 13, Contract Time

We find this clause to be to open ended, with the timelines "Required" for fabrication of steel, cure time on concrete, etc. Please clarify its meaning for better interpretation.

Answer: Please disregard section 13.7 of the bid

Attached:

Revised Drawing #TK-101

Changed entry into comm vault to round USF460 ring and cover instead of the square. Does not affect tower location of tower installation.

Issued Monday, March 21, 2016



BID DOCUMENTS

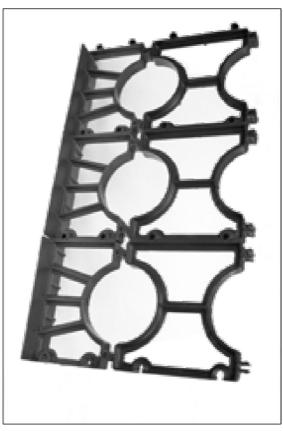
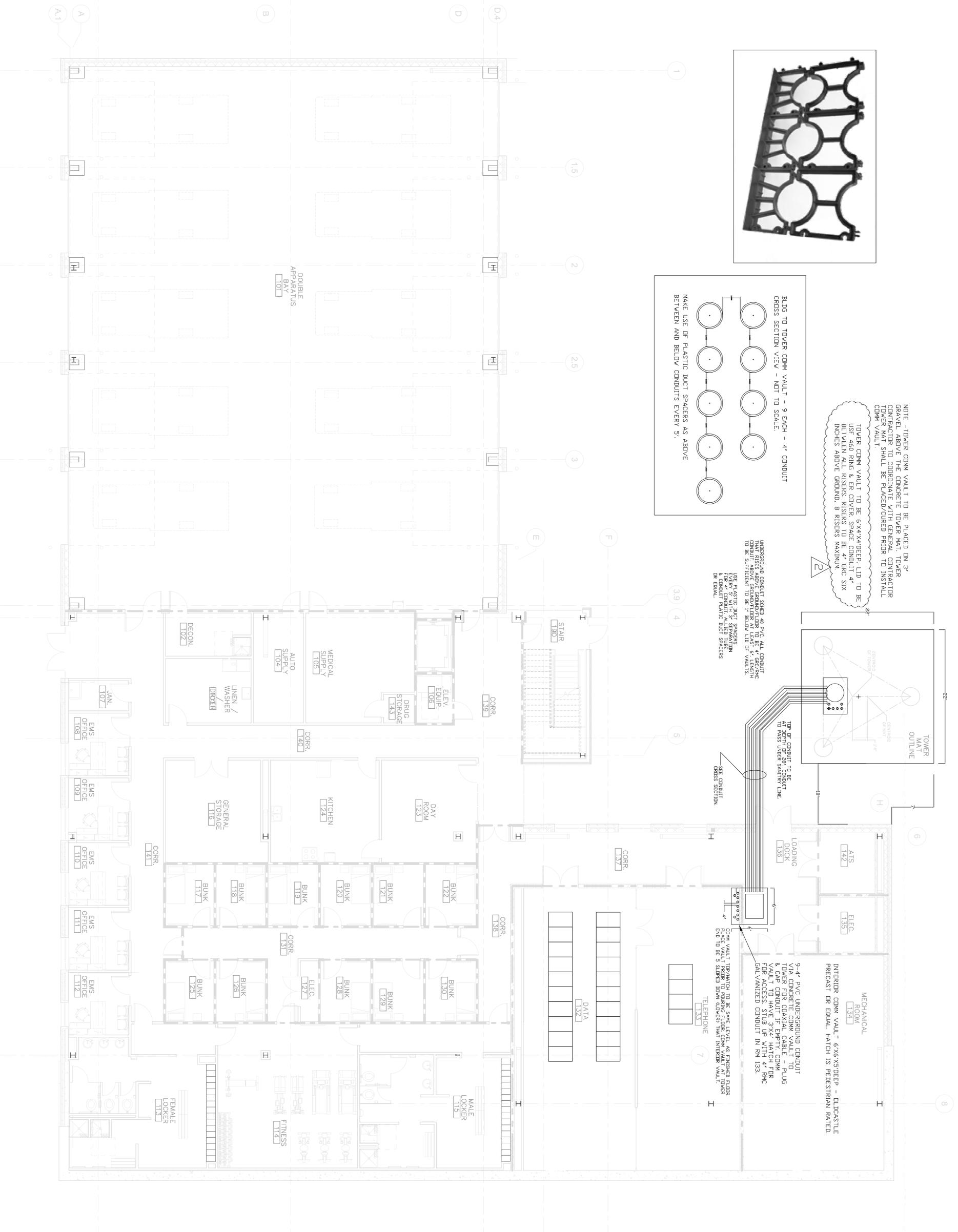
NO.	REVISION	DATE
1	ADDENDUM-4	11/11/2015
2	TOWER VAULT COVER	06/23/2016

PROJECT MANAGER
CHARLES TODD, AIA
PROJECT ARCHITECT
ENIC SCHOENMAGEL, AIA
PROJECT ARCHITECT
LITTLE / WRIGHT

RANDOLPH COUNTY
EMERGENCY
SERVICES
HEADQUARTERS

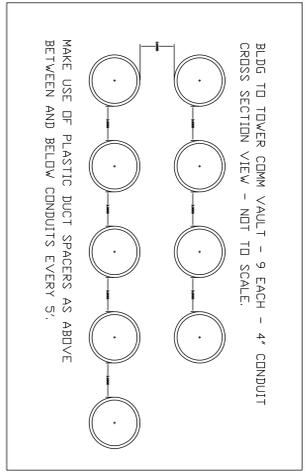
514.1886.00
SITE TOWER CONDUIT
RUN AND COMM VAULTS.

TK-101



NOTE -TOWER COMM VAULT TO BE PLACED ON 3" GRAVEL ABOVE THE CONCRETE TOWER MAT. TOWER CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR TOWER MAT SHALL BE PLACED/CURED PRIOR TO INSTALL COMM VAULT.

TOWER COMM VAULT TO BE 6'X4'X4"DEEP. LID TO BE USF 460 RING & ER COVER. SPACE CONDUIT 4" BETWEEN ALL RISERS. RISERS TO BE 4" GRG SIX INCHES ABOVE GROUND, 8 RISERS MAXIMUM.



UNDERGROUND CONDUIT SCHEDULE PVC ALL CONDUIT THAT RISERS ABOVE GROUND/FLOOR TO BE 4" GRG/RMC TO BE SUFFICIENT TO BE 1" BELOW LID OF VAULTS. USE PLASTIC DUCT SPACERS EVERY 9" WITH 3" SEPARATION & CONDUIT PLASTIC DUCT SPACERS OR EQUAL.

4" PVC CONDUIT TO BE RIGID TO PASS UNDER SANITARY LINE.

9'-4" PVC UNDERGROUND CONDUIT TO BE CONCRETE CAST IN PLACE & CAP CONDUIT IF EMPTY. COMM VAULT TO HAVE 3'X4' HATCH FOR FOR ACCESS. STUB UP WITH 4" RMC GALVANIZED CONDUIT IN RM 133.

COMM VAULT TOP/MATCH TO BE SAME LEVEL AS FINISHED FLOOR. PLACE VAULT PRIOR TO POURING FLOOR. COMM VAULT AT TOWER END TO BE 9" STUBED DOWN GLEVERE THAT INTERIOR VAULT.

SEE CONDUIT CROSS SECTION