



Shelby County Tennessee

Mark H. Luttrell, Jr., Mayor

Questions & Answers

Issued: March 10, 2016

RFP 16-002-46

Fire Fleet Maintenance Facility

TO ALL PROSPECTIVE BIDDERS:

The following questions were submitted by potential vendors. Our answers are listed in **red** below:

Questions:

1. There are no specs for above ground domestic water inside building.
See 221116.
2. The site plan shows 8" sewer to manhole and the plumbing plan shows 6" and the water on site shows 4" and 2 ½" into building. Please clarify.
Provide 8" sanitary sewer from building. Provide 2½" water to building.
3. What is the make and model number of AC-2 to see what the psi and scfm for the unit is and to see if the unit has a back pressure check valve?

Napa 82-209 HBT

4. What is the storage capacity of the air storage vessel and what opens will be available for use on it? Do you have an engineered drawing of ST-1?

The storage tank is 200 gal. See attached drawing from manufacturer.

5. On drawing P201 there is a drop at AC-2 and ST-1 but I do not see a connection to AC-1. How are you planning on tying the two compressors together to keep ST-1 supplied? I have a couple of ideas for tying the two compressors together but those will depend on the openings on ST-1.

AC-1 will connect to ST-1 and ST-1 will connect to the system. AC-2 has its own integral tank and will connect to the directly to the main feed to the system as a back-up to AC-1. Each compressor will have an accessible shutoff valve to isolate it from the system.

6. P201 calls for 1.5" feed from the air compressors. The rotary screw is spec'd out with a 1" outlet. Do you want to change to 1" or use a bell reducer to make that 1.5" connection to the 1" outlet on the air compressor? This will depend on how you want to tie the two compressors together.

Use a bell reducer.

7. I see the room that houses the compressors is not temperature controlled. While I think it will be fine in the winter the summer heat in there will rise above the standard ability threshold for the refrigerated dryer on the rotary screw therefore the refrigerated dryer will have to be oversized to compensate for the heat. Do the engineers want to change the specs on the compressor to show that? It would be the most economical way to keep the air cool versus sealing off the room and adding air conditioning.

The model used as a basis of design is Ingersoll Rand UP6 30-125-TAS. This unit should come with an integral refrigerate air dryer. We discussed this with the manufacturer's rep. He stated that the integral air dryer is enclosed inside the compressor and is capable of operating at elevated temperatures.

8. How high up will the air hose reel be mounted from the floor in bay 1 through 5? Depending on this a longer hose may be needed to reach the farthest tire on each bay that shares the air hose reel. You have to consider also what is the longest vehicle that may be services in those bays also.

16 ft.

9. What color will the air hose reels need to be?

White

10. Under temporary facilities it mentions temporary fencing but there is nothing shown on the plans. Is temporary fencing required?

Temporary fencing to be provided around construction activity.

11. What is ST-1 in the compressor room? No specs.

This is an existing unit that is identified in the air compressor schedule. See Question #4.

12. The fire alarm legend is inconsistent with the drawings.

The facility uses strobes, horn/strobes, heat detectors, and smoke detectors.

13. Does the fire alarm shut down any HVAC equipment?

Refer to mechanical drawings for HVAC equipment. The MAUs have duct smoke detectors that should shut the unit down. Likewise, the fire alarm should shut down all exhaust fans, which are interlocked with louvers.

*** Please see drawing attached.**

