



DEPARTMENT OF THE AIR FORCE  
AIR FORCE SUSTAINMENT CENTER (AFMC)  
HILL AIR FORCE BASE UTAH

15 April 2021

MEMORANDUM FOR RECORD

FROM: OL:H/PZIOC  
Air Force Sustainment Center (AFMC)  
6038 Aspen Ave  
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SUBJECT: Request for Information (RFI) for MACC III FOPR 21-1040917, Repair Fire Protection of Building 265.

1. The purpose of this memorandum is to document all RFIs and answers for MACC III FOPR 21-1040917, Repair Fire Protection of Building 265.
2. Section 1.5.3 of the Statement of Work (SOW), Regarding demolishing the PIV and installing the Wall Indicating Valve, Shall the PIV be removed, and a curb box be put in to access the underground valve? Or does the valve need to be removed entirely?
  - a. Fire Emergency Services (FES): Remove the valve entirely. Install the wall indicating valve.
3. Section 1.5.3.2 of the SOW states, "The section of the building in which the contractor is working must also keep the fire sprinkler and fire alarm active until the respective newer system is installed and tested." In the past, the Fire Department and the Suppression shops has allowed the fire alarm system to stay active while the sprinkler system has been removed and replaced. Trying to leave the old system in place presents multiple problems. First, is the existing structure capable of supporting 2 fire suppression systems at the same time? Second, the elevations of the old system are generally in the same spot that the new system is required to be installed in. Third, when demolishing the old system there is a greatly increased chance of damaging the new system when removing the old system. We feel that the alarms in the area staying active while the sprinkler system is being removed then replaced is the best way to go on this. Will the Government allow this?
  - a. The intent of this is to keep the current fire suppression on line as long as possible until the cross over to the new suppression system. This will allow for the sprinklers to be off line for days-weeks instead of weeks-months. The fire alarm shall be on for the entire time until the new system is in place and tested. FES: Preferred method is to only take out the system being worked on (where possible). Do not shut system down until the replacement parts are ready to install. Our expectation is the system be out only during replacement. This will minimize impact on production. During the outage, building will have signs posted per UFC 3-601-02 and fire alarms will remain in service.

4. Is there any flow information for the existing water supply for the building that can be used to determine pre-proposal calculations for the sprinkler systems? This could be crucial as 2 of the existing underground feeds are 8" and 2 of them are 6". If the water supply is not adequate for the 6" underground piping, then larger underground feeds may need to be brought in to the building.

- a. ~~FES: Water distribution for this building is thru a fire department pump house. Fire hydrants are not part of this system and cannot be used for flow information. Consider the Flow information provided in the SOW, section D Fire Protection Water Supply as accurate and as complete as possible.~~
- b. American Water (AW): American Water has been informed that the fire suppression for Building 265 is connected to our potable water system and not the high pressure water system. As such, we (AW) will need to prepare and submit an inspection proposal to inspect the work performed on our assets from the water main to the building. This inspection proposal is initiated through a Connection Charge Agreement (CCA) with the prime contractor and American Water as the system owner. American Water will need to be informed of the schedule and will inspect all water assets from the water main to the point of demarcation. For the removal of the PIV, we cannot have dead end lines remaining in the system as they have the potential to cause water quality issues, so the existing fire service should be removed completely at the water main. This requires the old Tee to be completely removed and DIP sleeves to be installed in its place. The new fire service will belong to American Water (AW) up to the point of demarcation (the face of the building in this case) once the asset is transferred to us. Please ensure the bidders are aware of ownership by AW and the requirement for inspection through a Connection Charge Agreement with AW.

5. Can the existing Backflow Preventers be re-used if calculations will permit, or should new ones be installed?

a. FES: Any appliance/device touched within the scope of the work must be replaced with new. A backflow preventer below the new Wall Indicator Valve and below any work done by the contractor would not have to be replaced, but everything above that would be replaced. If underground feeds per question #4 had to be enlarged, then everything from there on in the system would be replaced with new, with the exception of inspected pipe as allowed per question #16.

6. In past jobs at HAFB the Fire Dept. has allowed the sprinkler system to be removed and replaced if the fire alarm system was active without having the need of a fire watch. Will this be acceptable?

a. As long as the fire department is notified and the alarms still function properly this is acceptable, however, we want the system to stay active as much as possible. FES: Where any

high hazard activity is conducted in the outage area, a fire watch will be required. This includes, application of flammable liquids, work on fuel systems and hot works.

7. Is there any gas fires equipment that needs CO detection?

a. We have radiant heaters throughout the facility but they are fully vented. FES: CO detection is required.

8. There is a drawing in the amendment docs but it doesn't show columns or HVAC units. Can we get a drawing that shows location of HVAC units and what size they are and a drawing that shows the all the columns in the building?

a. See attached with FOPR amendment.

9. Can we get the asbuilt Fire Protection drawing and Calcs for the recently built North Mezzanine?

a. See attached document

10. SOW calls for new Wall PIV's, does this include Risers that are next to or close to exterior doors? Base Standard 9.1.6 states Fire suppression risers located in a suppression room having direct exterior access shall not have a PIV unless required by code or if a single control valve that is capable of shutting the entire buildings fire suppression systems is installed and located within the fire suppression room specifically required by code.

a. FES: Install Wall Indicator Valve (Wall PIV) on the risers for building 265. Valves shall be operable from the exterior of the building.

11. Can we get asbuilts for B265?

a. See answer #8

12. Is there any Hazardous/Flammable materials being stored in B265? If so what is the chemical, where is it stored, and what are the quantities?

a. Negligible quantities stored in flammable metal cabinets

13. If the Fire Alarm is active in section where Fire Suppression is being upgraded or visa-versa, can the fire watch be eliminated?

a. See answer #6

14. In areas where equipment will need to be moved, will user/Gov or contractor be responsible for moving?

a. Government will be responsible to move/relocate their production equipment during the time that work is being done in those areas.

15. Will there be any areas that will require afterhours or weekend work?

a. This is at the discretion of the contractor. No areas that I am aware of will require afterhours work.

16. The Fire Suppression in the 2 story east side addition is newer piping. If the system for that area is still within the new design standards, can portions, if not all be left in place?

a. Burden of proof will be on the contractor/designer to prove that the piping is adequate for the area if they decide to reuse the piping in this area.

17. If there are any questions or concerns, please contact 1st Lt Jaime Arias at [jaime.arias.2@us.af.mil](mailto:jaime.arias.2@us.af.mil) or Marc Mattsson at [marc.mattsson@us.af.mil](mailto:marc.mattsson@us.af.mil).

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