

1. Sheet U1 Note D: "Replace all four manual pull stations In-Kind..." We request clarification on what devices are actually installed. Specifically; are these interior/commercial rated, weather rated/rough duty, explosion proof etc. The nature of these devices will greatly impact the replacement cost. Photos or original spec would be helpful.

Response:

The ratings of the replacement manual pull stations must be in accordance with Section 691-1.05.1 and 691-2.01.3.

The manual pull station specifications for this project are the same specifications used for the project that installed the existing manual pull stations. The area in which the manual pull stations are to be installed in an electrically unclassified (non-hazardous) area.

Photo of one existing manual pull station:



2. Sheet U3 Construction note B "UL-864 Listed Fire Alarm must be replaced In-Kind..." This appears to be a custom shop build FACP. Protect wire has a custom build option for a similar system. Existing protectowire is very likely conventional linear heat and would be compatible with any listed conventional FACP utilizing standard IDC inputs. Could bidders propose several conventional options compatible with existing protectowire.

- a. If alternative acceptable; would re-use of existing NEMA 4 X be acceptable?

Response:

A compatible alternative FACP is acceptable per Section 691-1.01. The alternative must comply with the requirements of Section 691-2.01-2, 691-2.01-6, 691-2.01-7, and 691-2.01-8.

Re-use of the existing NEMA 4X enclosure is not acceptable per Sheets A2, U2, and U3, and per Section 691-1.01. The existing enclosure is severely corroded.

- b. If existing NEMA 4X box NOT acceptable would the contractor be responsible for providing new NEMA 4X?

Response:

The FACP must be NRTL-listed per Section 691-1.01.

- 3. Sheet U3 Note D: we assume any listed weather rated Horn/Strobe would be suitable. Please confirm.

Response:

The horn/strobe must comply with Section 691-2.01.5 and be rated for the environment in which it will be installed per Section 691-1.05.

- 4. Sheet U3 Note F. Wording would suggest ONLY lighting system needs to maintain UL listing. We would assume any fire protection equipment listed by UL would be accepted as meeting UL standards. Please confirm the contractor is NOT required to provide UL certification. Any UL certifications would be provided by others.

Response:

The FACP must be NRTL-listed per Section 691-1.01. All materials must be NRTL-listed per Section 691-2.01.

- 5. Current FCC regulations no longer require telcom providers to maintain POTS phone lines. We recommend, per NFPA 72, that alternative communication paths be considered such as Cellular, WiFi/IP etc. Please advise if alternative communications systems should be included in the quote.

Response:

The intent of this project is to replace the existing system in-kind. The project requires the installation to comply with Section 691-1.01 and 691-2.01.7.b.

6. Sheet U3 Note B. "...The contact within the FACP will keep R2 coil energized during normal operation..." Please confirm coil voltage will be provided separate from FACP power limited source and FACP is only controlling the coil voltage provided by secondary source.

Response:

Coil voltage is provided to the R2 coil by a non-power limited branch circuit originating in Panel T (which is physically located on the opposite side of the same electrical equipment rack as the Lighting Control Panel and the FACP), through a control power transformer which is in the Lighting Control Panel. Reference Sheets U2 and U4. The NC contact labeled "Lighting Control Note 9" on Detail 2/L15 of Sheet U2 is to be controlled by a 120V auxiliary relay within the FACP. This is how the existing system presently operates.