

Questions and Answers

Reference M-1 "Fire Protection Sheet Notes" FP1, states all new sensors and detectors shall be installed by this trade for the pre-action system.

Reference: E3 "Drawing Notes" #5, Supply and install new smoke detectors. Connect to existing pre-action sprinkler system.

Q1. The Contractor would like to clarify - Is the work to be done by an electrical Contractor?

A1. Sensors/Detectors associated with the pre-action system should be done the Mechanical contractor.

Reference Section 27 05 14 and 28 23 00

It is stated in the supplied drawings to "INSTALL 4 NEW ANTENNAS ON ROOF OF NEW CONTROL EQUIPMENT ROOM 104.1. RELOCATE 4 MOTOROLA ASTRO RADIO TRANSCEIVER TO RACK 104.6".

Q2 - Could you confirm the frequency of operation of existing radios.

A2 - CSC operates in the VHF band between 150 and 172MHz.

Q3 - Could you confirm where the antennas being moved from and to? Could you confirm the distance between the two locations?

A3 - Antennas are being moved from D122 to the new CER (expanded D112) approximately 40 feet away.

Q4- Could you confirm the exact model and date of manufacture of the Motorola Astro Radios?

A4 - Radios is a Motorola L99DX console, manufactured in 1999.

Reference 27 05 14 and 28 23 00

Q5 - It is stated in the specification document to supply 12 strand loose buffer tube 62.5u fibre cable vs. 12 strand 10 Gigabyte Fibre optic cable in the supplied drawing.

A5 - Specification has been updated to require 12 strand 10Gb OM3, please reflect this requirement in provided quotations.

Q5.1 - Could you confirm if the fibre optics cable is to be tight-buffered or loose tube?

A5.1 - As per ES/SOW-0110 tight buffered.

4.3 Fibre Optic Backbone Cable

4.3.1 Cable

The cable to be supplied and installed for backbone purposes shall consist of 12 strands (6 pairs) of Laser Optimized Fibre with nominal 50/125 um core/cladding diameter formed into a single cable.

Optical cable shall physically conform with ANSI/ICEA S-83-596 mechanical and environmental specifications for outdoor fibre optic cable.

Fibre optic cable shall conform with the requirements of OM3 as per the ISO 11801-2nd Edition Standards.

Questions and Answers

Q5.2 - Given the distance limitations of 62.5u fibre optics at 10GB, Could you confirm if the fibre to be deployed is to be 50u or remain 62.5u?

A5.2 - Please see A5.1

Q6 - It is stated in the supplied drawings to supply an AXIS P3343-V camera. This camera does not meet the CSC specifications due to a lack of threaded conduit entry. The AXIS P3343-VE has a threaded conduit entry. Could you confirm CSC's intent in regards to the camera to deploy?

A6 - The specifications should read AXIS 3343-VE.

Q7 - It is stated in the supplied drawings to supply a Netgear GSM7324 Layer 3 Managed switch C/W POE. Netgear does not manufacture a GSM7324 with POE. Is the Netgear GSM7228PS with Layer 3 upgrade a suitable replacement?

A7 - Yes this is a suitable upgrade.

Q8 - It is stated in the specifications document to supply and install 9 New Data racks vs 10 racks (104.4 to 104.13) on the supplied drawings. Could you confirm the required quantity?

A8 - There are to be 10 new racks.

Q9 - It is stated in the supplied drawings that 4 new antennas are to be deployed. Could you provide the model number of the antenna CSC wishes to deploy?

A9 - VHF outdoor loop antenna 150 - 172MHz range. With mounting base suitable for flat roof or parapet.

Q10 - The existing Cell Cameras at GVI are programmed for Camera Blocking within the Genetec application and a light at the camera represent the viewing status. Can you confirm if CSC requires this feature for the two cell cameras and the vestibule camera?

A10 - This is not required in the vestibule area.

Q11 - Are there any structural drawings for this project?

A11 - No, structural is indicated on arch.

Q12. Drawing A-2, detail 1 shows a new steel beam installed to support the existing steel beams running North and South. How many existing beams are to bear on the new one?

A12 Contractor is to allow for connection to four beams.

Questions and Answers

Q13. Is the new steel beam shown in detail 1 only temporary? Detail 2 shows the new be located under the existing. If the beam shown in detail 1 is only temporary please provide welding connections for this shoring.

A13 We will not be showing welding connections. That is for the sub trades to determine and indicate in a shop drawing.

Q14. Please clarify the type of concrete to be used for the following:

- A14.
- a. Foundation Walls – 25 MPa
 - b. Walls above grade - 25 MPa
 - c. Slab on grade - 25 MPa
 - d. Slab on deck - 25 MPa
 - e. Suspended Slabs - 25 Mpa