

**STATEMENT
OF
TECHNICAL REQUIREMENTS

UPGRADE

of

CCTV SYSTEMS

At

BEAVER CREEK INSTITUTION**

Appendix C

Site Specific Requirements and System Layout

This Statement of Technical Requirements is approved by the Correctional Service of Canada for the upgrade of the existing Hybrid CCTV System at Beaver Creek Institution.

SITE SPECIFIC REQUIREMENTS

CCTV Cameras installation details

Medium Unit Cameras – Outdoor Areas

1. F-1 (V&C Tower)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 1.1. Location – The location of camera F-1 is behind the PFV unit (FBS) and is detailed on drawing “422 Medium Security Unit”
- 1.2. NODE – Camera F-1 will be connected to the VMS using an existing link from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports.
- 1.3. FOV – This camera will provide PTZ observation of the V&C outdoor yard areas, the NW side of the Fen fencing and will compliment CCTV coverage of the parking lot.
- 1.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 1.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated NNE and the camera shall be mounted on the south arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet. The cabinet shall have a locking hasp that will accommodate a 1” brass padlock. The provided cabinet will have a NEMA 4 rating.

2. F-2 (V&C Tower)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 2.1. Location – The location of camera F-2 is detailed on drawing “422 Medium Security Unit”
- 2.2. NODE – Camera F-2 will be connected to the VMS using an existing link from the camera tower to Node FN10. The camera will be connected via outdoor grade CAT6 cable to a contractor provided network switch with a minimum of 4 PoE+ RJ45 copper ports.
- 2.3. FOV – This camera will provide PTZ observation of the V&C outdoor yard areas, the inmate movement areas between buildings FBB and FBK and Fen fencing behind building FBT.
- 2.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 2.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated SSW and the camera shall be mounted on the north arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet. The cabinet shall have a locking hasp that will accommodate a 1” brass padlock. The provided cabinet will have a NEMA 4 rating. The cabinet will be mounted above the roof surface to prevent water penetration.

3. F-3 – (Juniper and Lighthouse Movement)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 3.1. Location – The location of camera F-3 between FBK and FBU is detailed on drawing “422 Medium Security Unit”
- 3.2. NODE – Camera F-3 will be connected to the VMS using a contractor provided and installed direct burial CAT6 PoE+ link to Node FN10 or FN12. The camera will be connected via outdoor grade CAT6 cable to a contractor provided network switch with a minimum of 24 PoE+ RJ45 copper ports.
- 3.3. FOV – This camera will provide PTZ observation of the V&C outdoor yard areas, the inmate movement areas between buildings FBB and FBK and Fen fencing behind building FBT.
- 3.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

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- 3.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of a contractor provided and installed 12M tilt down CCTV tower. The gooseneck shall be orientated south and the camera shall be mounted on the north arm of the gooseneck. The cabinet shall have a locking equipment panel where the buried CAT6 cable will be terminated onto a CAT6 termination along side the terminated CAT6 cable form the camera. the contractor will also provide an appropriate CAT6 patch cable to connect the camera.
4. F-4 – (Tundra and Horizon Movement)
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
 - 4.1. Location – The location of camera F-4 between FBH, FBT and FBU is detailed on drawing “422 Medium Security Unit”
 - 4.2. NODE – Camera F-4 will be connected to the VMS using a contractor provided and installed direct burial CAT6 PoE+ link to Node FN10 or FN12. The camera will be connected via outdoor grade buried CAT6 cable to a contractor provided network switch with a minimum of 24 PoE+ RJ45 copper ports. The contractor must supply and install all necessary CAT6 and CAT6 extenders, cabling and conduit from the camera location to the PoE switch in FBT or FBH for a PoE connection to this camera.
 - 4.3. FOV – This camera will provide PTZ observation of the east roadway, the main exercise yards and the inmate gardens.
 - 4.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
 - 4.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of a contractor provided and installed 12M tilt down CCTV tower. The gooseneck shall be orientated NE and the camera shall be mounted on the SW arm of the gooseneck. The cabinet shall have a locking equipment panel where the buried CAT6 cable will be terminated onto a CAT6 termination along side the terminated CAT6 cable form the camera. the contractor will also provide an appropriate CAT6 patch cable to connect the camera.
5. F-5 – (Juniper south roof)
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
 - 5.1. Location – The location of camera F-5 on the roof of FBJ is detailed on drawing “422 Medium Security Unit”
 - 5.2. NODE – Camera F-5 will be connected to the VMS using an existing CAT6 PoE+ link to Node FN9.
 - 5.3. FOV – This camera will provide PTZ observation of the yard areas south of building FBJ and the entire south wall of the gym.
 - 5.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
 - 5.5. Mounting – The camera will be mounted on a contractor provided pendant mount on a contractor provided and installed swing-back CCTV gantry. The gantry shall position the camera beyond the roof parapet to allow viewing straight down as well as the inmate yards. The gantry will allow maintenance technicians to swing the camera back over the roof parapet and 2M inside the parapet for maintenance. The contractor shall provide and install a locking NEMA4 stainless cabinet where the premise cabling will be terminated to an RJ45 jack. The camera will be connected via a stranded CAT6 patch cable between the RJ45 and the camera.
6. F-6 – (West roadway)
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
 - 6.1. Location – The location of camera F-6 on the roof of FBJ is detailed on drawing “422 Medium Security Unit”
 - 6.2. NODE – Camera F-6 will be connected to the VMS via a contractor provided and installed outdoor grade CAT6 PoE+ link to Node FN9.
 - 6.3. FOV – This camera will provide PTZ observation of the west roadway, FBD inmate entry, the west wall of FBJ and the south wall of FBD.

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- 6.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 6.5. Mounting – The camera will be mounted on a contractor provided pendant mount on a contractor provided and installed swing-back CCTV gantry. The gantry shall position the camera beyond the roof parapet to allow viewing straight down as well as the inmate yards. The gantry will allow maintenance technicians to swing the camera back over the roof parapet and 2M inside the parapet for maintenance. The contractor shall provide and install a locking NEMA4 stainless cabinet where the premise cabling will be terminated to an RJ45 jack. The camera will be connected via a stranded CAT6 patch cable between the RJ45 and the camera.

7. F-7 – (Granite PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 7.1. Location – The location of camera F-7 is detailed on drawing “422 Medium Security Unit”
- 7.2. NODE – Camera F-7 will be connected to the VMS using an existing link from the camera tower to Node FN7. The contractor will replace the existing CAT6 patch cable from the tower cabinet to the camera with a 22awg CAT6 outdoor stranded patch cable.
- 7.3. FOV – This camera will provide PTZ observation of the outdoor yard areas, aboriginal areas and in between FBF and FBG.
- 7.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 7.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated west and the camera shall be mounted on the east arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet at the tower base. The cabinet shall have a locking hasp that will accommodate a 1” brass padlock. The provided cabinet will have a NEMA 4 rating.

8. F-8 – (Aboriginal Grounds PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 8.1. Location – The location of camera F-8 is detailed on drawing “422 Medium Security Unit”
- 8.2. NODE – Camera F-8 will be connected to the VMS using an existing fibre link from the camera tower to Node FN1. The contractor will replace the existing CAT6 patch cable from the tower cabinet to the camera with a 22awg CAT6 outdoor stranded patch cable.
- 8.3. FOV – This camera will provide PTZ observation of the outdoor yard areas, aboriginal areas and in between FBF and FBG.
- 8.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 8.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated west and the camera shall be mounted on the east arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet at the tower base. The cabinet shall have a locking hasp that will accommodate a 1” brass padlock. The provided cabinet will have a NEMA 4 rating.

9. F-9 – (Falcon PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 9.1. Location – The location of camera F-9 is detailed on drawing “422 Medium Security Unit”
- 9.2. NODE – Camera F-9 will be connected to the VMS using an existing link from the camera tower to Node FN6. The contractor will replace the existing CAT6 patch cable from the tower cabinet to the camera with a 22awg CAT6 outdoor stranded patch cable.
- 9.3. FOV – This camera will provide PTZ observation of the outdoor yard areas, aboriginal areas and in between FBF and FBG.
- 9.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 9.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated west and the camera shall be mounted

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on the east arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet at the tower base. The cabinet shall have a locking hasp that will accommodate a 1" brass padlock. The provided cabinet will have a NEMA 4 rating.

10. F-10 – (Driftwood PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 10.1. Location – The location of camera F-10 is detailed on drawing "422 Medium Security Unit"
- 10.2. NODE – Camera F-10 will be connected to the VMS using an existing link from the camera tower to Node FN4. The contractor will replace the existing CAT6 patch cable from the tower cabinet to the camera with a 22awg CAT6 outdoor stranded patch cable.
- 10.3. FOV – This camera will provide PTZ observation of the movement areas at FBB, FBC, and FBL.
- 10.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 10.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated SW and the camera shall be mounted on the NE arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet at the tower base. The cabinet shall have a locking hasp that will accommodate a 1" brass padlock. The provided cabinet will have a NEMA 4 rating. The cabinet will be mounted above the roof surface to prevent water penetration.

11. F-11 – (Sallyport PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 11.1. Location – The location of camera F-11 is detailed on drawing "422 Medium Security Unit"
- 11.2. NODE – Camera F-11 will be connected to the VMS using a new contractor provided CAT6 outdoor rated cable via existing conduit from the camera location to the CER area in FBA. The camera will connect to the VMS at Home Node in FBA-103.
- 11.3. FOV – This camera will provide PTZ observation of the Sallyport and movement areas south of FBA.
- 11.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 11.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated SW and the camera shall be mounted on the NE arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet at the tower base. The cabinet shall have a locking hasp that will accommodate a 1" brass padlock. The provided cabinet will have a NEMA 4 rating. The cabinet will be mounted above the snow line to prevent water penetration.

12. F-12 & F13 – (Pedestrian Passage)

The contractor must supply and install 2 fixed network colour cameras that meet the following requirements:

- 12.1. Location – The location of cameras B-22 & B-23 is detailed on drawing "BC12"
- 12.2. NODE – Cameras B-22 & B-23 will be connected to Node BN3 located in BC12-B11. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC12-B11 for a PoE connection to each camera.
- 12.3. FOV – B-22 & B-23 will observe the indoor visits area BC12-108 to provide a reference in compliment to the PTZ camera.
- 12.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 12.5. Mounting – The cameras will be wall or fence mounted at the approximate location indicated at the highest possible point.

13. F-14 – (V&C PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 13.1. Location – The location of camera F-14 is detailed on drawing "422 Medium Security Unit"

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- 13.2. NODE – Camera F-14 will be connected to the VMS using existing CAT6 outdoor rated cable via existing conduit from the camera location to the switch in FBB-127. The camera will connect to the VMS via Node FN2 located in FBB-127.
- 13.3. FOV – This camera will provide PTZ observation of the V&C yard and patio area.
- 13.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 13.5. Mounting – The camera will be mounted on an existing pendant mount under the roof overhang of the V&C patio.

14. F-15 – (West Parking Lot)

The contractor must supply and install a multi-sensor outdoor colour network camera that meets or exceeds the following requirements:

- 14.1. Location – The location of camera F-15 is detailed on drawing “443 Outdoor Plan”
- 14.2. NODE – Camera F-15 will be connected to the VMS via a new contractor provided OM3 fibre-optic link from the camera tower to Node BN8. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports.
- 14.3. FOV – This camera will provide a 180° view of the BCI medium security unit parking lot (west).
- 14.4. Camera – The provided camera will be type #5 as detailed in section 4.5.4.6 of this statement of technical requirements.
- 14.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of a contractor provided and installed 12M tilt down CCTV tower. The gooseneck shall be orientated north and the camera shall be mounted on the south arm of the gooseneck. The cabinet shall have a locking equipment panel where the buried FO cable will be terminated along side the terminated CAT6 cable from the camera. the contractor will also provide an appropriate CAT6 patch cable to connect the camera. The contractor will provide AC power to the tower from the nearest available electrical panel and all necessary network equipment, FO terminations, power supplies to provide a fully functional camera on the CCTV network.

15. F-16 – (Center Parking Lot)

The contractor must supply and install a multi-sensor outdoor colour network camera that meets or exceeds the following requirements:

- 15.1. Location – The location of camera F-16 is detailed on drawing “443 Outdoor Plan”
- 15.2. NODE – Camera F-16 will be connected to the VMS via a new contractor provided OM3 fibre-optic link from the camera tower to Node BN8. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports.
- 15.3. FOV – This camera will provide a 180° view of the BCI medium security unit parking lot (center).
- 15.4. Camera – The provided camera will be type #5 as detailed in section 4.5.4.6 of this statement of technical requirements.
- 15.5. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of a contractor provided and installed 12M tilt down CCTV tower. The gooseneck shall be orientated north and the camera shall be mounted on the south arm of the gooseneck. The cabinet shall have a locking equipment panel where the buried FO cable will be terminated along side the terminated CAT6 cable from the camera. the contractor will also provide an appropriate CAT6 patch cable to connect the camera. The contractor will provide AC power to the tower from the nearest available electrical panel and all necessary network equipment, FO terminations, power supplies to provide a fully functional camera on the CCTV network.

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16. F-17 – (East Parking Lot)

The contractor must supply and install a multi-sensor outdoor colour network camera that meets or exceeds the following requirements:

- 16.1. Location – The location of camera F-17 is detailed on drawing “443 Outdoor Plan”
- 16.2. NODE – Camera F-17 will be connected to the VMS via an existing OM3 fibre-optic link from the camera tower to Node BN7. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports.
- 16.3. FOV – This camera will provide a 180° view of the BCI medium security unit parking lot (east).
- 16.4. Camera – The provided camera will be type #5 as detailed in section 4.5.4.6 of this statement of technical requirements.
- 16.5. Mounting – The camera will be mounted on a contractor provided double gooseneck pendant mount on top of an existing 12M tilt down CCTV tower. The gooseneck shall be orientated north and the camera shall be mounted on the south arm of the gooseneck. The cabinet shall have a locking equipment panel where the buried FO cable will be terminated along side the terminated CAT6 cable from the camera. The contractor will also provide an appropriate CAT6 patch cable to connect the camera. The contractor will provide AC power to the tower from the nearest available electrical panel and all necessary network equipment, FO terminations, power supplies to provide a fully functional camera on the CCTV network.

17. F-18 (Edgewood Entrance)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 17.1. Location – The location of camera F-18 is detailed on drawing “443 Outdoor Plan”
- 17.2. NODE – Camera F-18 will be connected to Node FN5 located in FBE-211. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBE-211 for a PoE connection to the camera.
- 17.3. FOV – F-18 will observe the exterior entry door and under the hood of Edgewood living init.
- 17.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 17.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point to provide a view under the main entrance hood. The wall mount will provide space for CAT6 premise termination and a CAT6 patch cable to the camera with bottom accessible conduit ports.

18. F-19 (Falcon Entrance)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 18.1. Location – The location of camera F-19 is detailed on drawing “443 Outdoor Plan”
- 18.2. NODE – Camera F-19 will be connected to Node FN6 located in FBF-211. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBF-211 for a PoE connection to the camera.
- 18.3. FOV – F-19 will observe the exterior entry door and under the hood of Falcon living init.
- 18.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 18.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point to provide a view under the main entrance hood. The wall mount will provide space for CAT6 premise termination and a CAT6 patch cable to the camera with bottom accessible conduit ports.

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19. F-20 (Granite Entrance)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 19.1. Location – The location of camera F-20 is detailed on drawing “443 Outdoor Plan”
- 19.2. NODE – Camera F-20 will be connected to Node FN7 located in FBG-211. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBG-211 for a PoE connection to the camera.
- 19.3. FOV – F-20 will observe the exterior entry door and under the hood of Edgewood living init.
- 19.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 19.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point to provide a view under the main entrance hood. The wall mount will provide space for CAT6 premise termination and a CAT6 patch cable to the camera with bottom accessible conduit ports.

20. F-21 (Horizon Entrance)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 20.1. Location – The location of camera F-21 is detailed on drawing “443 Outdoor Plan”
- 20.2. NODE – Camera F-21 will be connected to Node FN8 located in FBH-209. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBH-209 for a PoE connection to the camera.
- 20.3. FOV – F-21 will observe the exterior entry door and under the hood of Edgewood living init.
- 20.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 20.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point to provide a view under the main entrance hood. The wall mount will provide space for CAT6 premise termination and a CAT6 patch cable to the camera with bottom accessible conduit ports.

21. F-22 (SEG yard north - rear)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 21.1. Location – The location of camera F-22 is detailed on drawing “443 Outdoor Plan”
- 21.2. NODE – Camera F-22 will be connected to Node FN3 located in FBC-138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-138 for a PoE connection to the camera.
- 21.3. FOV – F-22 will observe the east end of the north segregation yard.
- 21.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 21.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point to provide a view of the east end of the yard. The wall mount will provide space for CAT6 premise termination and a CAT6 patch cable to the camera with bottom accessible conduit ports.

22. F-22 (SEG yard north - front)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 22.1. Location – The location of camera F-23 is detailed on drawing “443 Outdoor Plan”
- 22.2. NODE – Camera F-23 will be connected to Node FN3 located in FBC-138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-138 for a PoE connection to the camera.
- 22.3. FOV – F-23 will observe the west end of the north segregation yard.
- 22.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 22.5. Mounting – The camera will be wall mounted replacing the existing camera.

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23. F-24 (SEG yard south - rear)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 23.1. Location – The location of camera F-24 is detailed on drawing “443 Outdoor Plan”
- 23.2. NODE – Camera F-24 will be connected to Node FN3 located in FBC-138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-138 for a PoE connection to the camera.
- 23.3. FOV – F-24 will observe the east end of the south segregation yard.
- 23.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 23.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point to provide a view of the east end of the yard. The wall mount will provide space for CAT6 premise termination and a CAT6 patch cable to the camera with bottom accessible conduit ports.

24. F-25 (SEG yard south - front)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

- 24.1. Location – The location of camera F-25 is detailed on drawing “443 Outdoor Plan”
- 24.2. NODE – Camera F-25 will be connected to Node FN3 located in FBC-138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-138 for a PoE connection to the camera.
- 24.3. FOV – F-25 will observe the west end of the south segregation yard.
- 24.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 24.5. Mounting – The camera will be wall mounted replacing the existing camera.

MAP FBA

25. F-26 & F-27 (Visitor Waiting)

The contractor must supply and install 2 fixed network colour cameras that meet the following requirements.

- 25.1. Location – The location of cameras v is detailed on drawing “FBA –A122”
- 25.2. NODE – Cameras F-26 & F-27 will be connected to “Home Node” located in FBA-A103. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBA-A103 for a PoE connection to each camera.
- 25.3. FOV – Cameras F-26 & F-27 will observe opposite sides of the visitor waiting area.
- 25.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 25.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

26. F-28 (Entry Processing)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 26.1. Location – The location of camera F-28 is detailed on drawing “FBA –A113”
- 26.2. NODE – Camera F-28 will be connected to “Home Node” located in FBA-A103. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBA-A103 for a PoE connection to each camera.
- 26.3. FOV – Camera F-28 will observe the passage door to room A112.
- 26.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 26.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

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27. F-29 (Entry Identification)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

27.1. Location – The location of camera F-29 is detailed on drawing “FBA –A117”

27.2. NODE – Camera F-29 will be connected to “Home Node” located in FBA-A103. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBA-A103 for a PoE connection to each camera.

27.3. FOV – Camera F-29 will observe the main entry door, visitor’s entry door and the PECP door.

27.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

27.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

28. F-30 (A&D waiting room)

The contractor must supply and install an anti-ligature outdoor colour network camera that meets or exceeds the following requirements.

28.1. Location – The location of camera F-30 is detailed on drawing “FBA-A111”

28.2. NODE – Camera F-30 will be connected to Home Node located in FBA-A103. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in FBA-A103.

28.3. FOV – F-30 will observe the A&D inmate waiting room FBA-A111.

28.4. Cameras – The provided cameras will be type #3 as detailed in section 4.5.4.4 of this statement of technical requirements.

28.5. Mounting – The cameras will be wall/corner mounted at the approximate location indicated at the highest possible point.

29. F-31 (Visitor Search Area)

The contractor must supply and install an anti-ligature outdoor colour network camera that meets or exceeds the following requirements.

29.1. Location – The location of camera F-30 is detailed on drawing “FBA-A113”

29.2. NODE – Camera F-31 will be connected to Home Node located in FBA-A103. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in FBA-A103.

29.3. FOV – F-31 will observe the visitor search area and the x-ray baggage scanner providing a 360° view of room.

29.4. Cameras – The provided cameras will be type #4 as detailed in section 4.5.4.5 of this statement of technical requirements.

29.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

30. F-32 (Inmate effects storage)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

30.1. Location – The location of camera F-32 is detailed on drawing “FBA –A01”

30.2. NODE – Camera F-32 will be connected to “Home Node” located in FBA-A103. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBA-A103 for a PoE connection to each camera.

30.3. FOV – Camera F-32 will observe the inmate effects storage room door FBA-A05.

30.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

30.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point.



SITE SPECIFIC REQUIREMENTS

MAP FBB

31. F-33 (V&C Visitor entry)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

31.1. Location – The location of camera F-33 is detailed on drawing “FBB –B111”

31.2. NODE – Camera F-33 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.

31.3. FOV – Camera F-33 will observe the V&C entry door and corridor B111.

31.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

31.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

32. F-34 (NPB boardroom)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

32.1. Location – The location of camera F-34 is detailed on drawing “FBB –B109”

32.2. NODE – Camera F-34 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.

32.3. FOV – Camera F-34 will observe the NPB boardroom FBB-B109.

32.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

32.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

33. F-35 (Closed Visits - Visitor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

33.1. Location – The location of camera F-35 is detailed on drawing “FBB –B122”

33.2. NODE – Camera F-35 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.

33.3. FOV – Camera F-35 will observe the visitor side – closed visit booth.

33.4. Cameras – The provided cameras will be type #3 as detailed in section 4.5.4.4 of this statement of technical requirements.

33.5. Mounting – The cameras will be corner/ceiling mounted at the approximate location indicated at the highest possible point.

34. F-36 (Closed Visits - Inmate)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

34.1. Location – The location of camera F-36 is detailed on drawing “FBB –B121”

34.2. NODE – Camera F-36 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.

34.3. FOV – Camera F-36 will observe the inmate side – closed visit booth.

34.4. Cameras – The provided cameras will be type #3 as detailed in section 4.5.4.4 of this statement of technical requirements.

34.5. Mounting – The cameras will be corner/ceiling mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

35. F-37 (V&C Indoor NW PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 35.1. Location – The location of camera F-37 is detailed on drawing “FBB-B102”.
- 35.2. NODE – Camera F-37 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.
- 35.3. FOV – This camera will provide operator managed observation of the open indoor visits area FBB-B102.
- 35.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 35.5. Mounting – The camera will be mounted onto a contractor provided T94A04L recessed ceiling mount with a ¾ conduit port. The mount bezel will be flush with the acoustic ceiling tile.

36. F-38 (Vending Machines)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 36.1. Location – The location of camera F-38 is detailed on drawing “FBB –B102”
- 36.2. NODE – Camera F-38 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.
- 36.3. FOV – Camera F-38 will observe the inmate side – closed visit booth.
- 36.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 36.5. Mounting – The cameras will be wall mounted at the approximate location indicated above the observation windows.

37. F-39 (V&C Indoor NE PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 37.1. Location – The location of camera F-39 is detailed on drawing “FBB-B102”.
- 37.2. NODE – Camera F-39 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.
- 37.3. FOV – This camera will provide operator managed observation of the open indoor visits area FBB-B102.
- 37.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 37.5. Mounting – The camera will be mounted onto a contractor provided T94A04L recessed ceiling mount with a ¾ conduit port. The mount bezel will be flush with the acoustic ceiling tile.

38. F-40 & F-41 (Open Visit Area)

The contractor must supply and install 2 fixed network colour cameras that meet the following requirements.

- 38.1. Location – The location of cameras v is detailed on drawing “FBB –B102”
- 38.2. NODE – Cameras F-40 & F-41 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.
- 38.3. FOV – Cameras F-40 & F-41 will observe opposite sides of the open visit area.
- 38.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 38.5. Mounting – The cameras will be wall mounted on the bulkhead above the ceiling T-bar at the approximate locations indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

39. F-42 (V&C Inmate entry)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

39.1. Location – The location of camera F-42 is detailed on drawing “FBB –B101”

39.2. NODE – Camera F-34 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.

39.3. FOV – Camera F-42 will observe the inmate entry vestibule FBB-B101.

39.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

39.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

40. F-43 (V&C Indoor SW PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

40.1. Location – The location of camera F-43 is detailed on drawing “FBB-B102”.

40.2. NODE – Camera F-43 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.

40.3. FOV – This camera will provide operator managed observation of the open indoor visits area FBB-B102.

40.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

40.5. Mounting – The camera will be mounted onto a contractor provided T94A04L recessed ceiling mount with a ¾ conduit port. The mount bezel will be flush with the acoustic ceiling tile.

41. F-44 (V&C Indoor SE PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

41.1. Location – The location of camera F-44 is detailed on drawing “FBB-B102”.

41.2. NODE – Camera F-44 will be connected to Node FN2 located in FBB-B127. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBB-B127 for a PoE connection to each camera.

41.3. FOV – This camera will provide operator managed observation of the open indoor visits area FBB-B102.

41.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

41.5. Mounting – The camera will be mounted onto a contractor provided T94A04L recessed ceiling mount with a ¾ conduit port. The mount bezel will be flush with the acoustic ceiling tile.

MAP FBC

42. F-45 (Day room #1)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

42.1. Location – The location of camera F-45 is detailed on drawing “FBC –C160”

42.2. NODE – Camera F-45 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

42.3. FOV – Camera F-45 will observe the inmate day use room FBC-C160.

42.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

42.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

43. F-46 (Day room #2)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

43.1. Location – The location of camera F-46 is detailed on drawing “FBC –C150”

43.2. NODE – Camera F-46 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

43.3. FOV – Camera F-46 will observe the inmate day use room FBC-C150.

43.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

43.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

44. F-47 (South SEG Range)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

44.1. Location – The location of camera F-47 is detailed on drawing “FBC –C159”

44.2. NODE – Camera F-47 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

44.3. FOV – Camera F-47 will observe the north segregation range FBC-C159.

44.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

44.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

45. F-48 (North SEG Range)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

45.1. Location – The location of camera F-48 is detailed on drawing “FBC –C149”

45.2. NODE – Camera F-48 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

45.3. FOV – Camera F-48 will observe the north segregation range FBC-C149.

45.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

45.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

46. F-49 (Dry Cell)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

46.1. Location – The location of camera F-49 is detailed on drawing “FBC –C141”

46.2. NODE – Camera F-49 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

46.3. FOV – Camera F-49 will observe the segregation dry cell FBC-C141.

46.4. Cameras – The provided cameras will be type #3 as detailed in section 4.5.4.4 of this statement of technical requirements.

46.5. Mounting – The camera will be corner/ceiling mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

47. F-50 (Observation Cell)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

47.1. Location – The location of camera F-50 is detailed on drawing “FBC –C136”

47.2. NODE – Camera F-50 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

47.3. FOV – Camera F-50 will observe the observation cell FBC-C136.

47.4. Cameras – The provided cameras will be type #3 as detailed in section 4.5.4.4 of this statement of technical requirements.

47.5. Mounting – The camera will be corner/ceiling mounted at the approximate location indicated at the highest possible point.

48. F-51 (Health Care Entry)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

48.1. Location – The location of camera F-51 is detailed on drawing “FBC –108

48.2. NODE – Camera F-51 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

48.3. FOV – Camera F-51 will observe the health care entry lobby FBC-C108.

48.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

48.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

49. F-52 (Health Care Corridor 128)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

49.1. Location – The location of camera F-52 is detailed on drawing “FBC –128

49.2. NODE – Camera F-52 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

49.3. FOV – Camera F-52 will observe the north corridor C128 FBC-C128.

49.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

49.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

50. F-53 (Health Care Corridor 116)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

50.1. Location – The location of camera F-53 is detailed on drawing “FBC –116”

50.2. NODE – Camera F-53 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.

50.3. FOV – Camera F-53 will observe the south corridor C116 FBC-C116.

50.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

50.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

51. F-54 (Segregation Court)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 51.1. Location – The location of camera F-54 is detailed on drawing “FBC –104”
- 51.2. NODE – Camera F-54 will be connected to Node FN3 located in FBC-C138. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBC-C138 for a PoE connection to each camera.
- 51.3. FOV – Camera F-54 will observe the segregation court C116 FBC-C104.
- 51.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 51.5. Mounting – The camera will be ceiling or wall mounted at the approximate location indicated at the highest possible point.

MAP FBD

52. F-55 (D Works Corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 52.1. Location – The location of camera F-55 is detailed on drawing “FBD –153”
- 52.2. NODE – Camera F-55 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 52.3. FOV – Camera F-55 will observe the corridor FBD-D153.
- 52.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 52.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

53. F-56 (Dry Goods Storage)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 53.1. Location – The location of camera F-56 is detailed on drawing “FBD –151”
- 53.2. NODE – Camera F-56 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 53.3. FOV – Camera F-56 will observe the food services dry goods storage cage FBD-D151.
- 53.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 53.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

54. F-57 (Shipping and Receiving)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 54.1. Location – The location of camera F-57 is detailed on drawing “FBD –137”
- 54.2. NODE – Camera F-57 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 54.3. FOV – Camera F-57 will observe the indoor shipping and receiving area FBD-137.
- 54.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 54.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

55. F-58 (SIS window)

The contractor must supply and install a fixed network colour camera that meet the following requirements.

55.1. Location – The location of camera F-58 is detailed on drawing “FBD-D176”

55.2. NODE – Camera F-58 will be connected to Node BN5 located in FBD-205. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in FBD-205.

55.3. FOV – Camera F-58 will observe the SIS window providing a 360° view of corridor FBD-D176.

55.4. Cameras – The provided cameras will be type #4 as detailed in section 4.5.4.5 of this statement of technical requirements.

55.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

56. F-59 & F-60 (Driftwood south corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

56.1. Location – The location of cameras F-59 & F-60 are detailed on drawing “FBD –134”

56.2. NODE – Cameras F-59 & F-60 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera locations to the PoE switch in FBD-205 for a PoE connection to each camera.

56.3. FOV – Cameras F-59 & F-60 will observe Driftwood corridor FBD-D134, each camera will view the opposite end of corridor D134.

56.4. Cameras – The provided cameras will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.

56.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point.

57. F-61 (Hobbycraft area)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

57.1. Location – The location of camera F-61 is detailed on drawing “FBD –102”

57.2. NODE – Camera F-61 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.

57.3. FOV – Camera F-61 will observe the Hobbycraft corridor FBD-102.

57.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

57.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

58. F-62 & F-63 (Driftwood north corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

58.1. Location – The location of cameras F-62 & F-63 are detailed on drawing “FBD –133”

58.2. NODE – Cameras F-62 & F-63 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera locations to the PoE switch in FBD-205 for a PoE connection to each camera.

58.3. FOV – Cameras F-62 & F-63 will observe Driftwood corridor FBD-D133, each camera will view the opposite end of corridor D133.

58.4. Cameras – The provided cameras will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.

58.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

59. F-64 (Kitchen stockroom corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 59.1. Location – The location of camera F-64 is detailed on drawing “FBD –112”
- 59.2. NODE – Camera F-64 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 59.3. FOV – Camera F-64 will observe corridor FBD-112.
- 59.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 59.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

60. F-65 (SIS window)

The contractor must supply and install a fixed network colour camera that meet the following requirements.

- 60.1. Location – The location of camera F-65 is detailed on drawing “FBD-D102”
- 60.2. NODE – Camera F-65 will be connected to Node BN5 located in FBD-205. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in FBD-205.
- 60.3. FOV – Camera F-65 will observe the Hobbycraft exit providing a 360° view of the exit vestibule in corridor FBD-D102.
- 60.4. Cameras – The provided cameras will be type #4 as detailed in section 4.5.4.5 of this statement of technical requirements.
- 60.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

61. F-66 (inmate canteen)

The contractor must supply and install a fixed network colour camera that meet the following requirements.

- 61.1. Location – The location of camera F-66 is detailed on drawing “FBD-D107”
- 61.2. NODE – Camera F-66 will be connected to Node BN5 located in FBD-205. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in FBD-205.
- 61.3. FOV – Camera F-66 will observe the interior of the inmate canteen providing a 360° view of FBD-D107.
- 61.4. Cameras – The provided cameras will be type #4 as detailed in section 4.5.4.5 of this statement of technical requirements.
- 61.5. Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

62. F-67 (Inmate Canteen window)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 62.1. Location – The location of camera F-67 is detailed on drawing “FBD –D107A”
- 62.2. NODE – Camera F-67 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 62.3. FOV – Camera F-67 will observe corridor FBD-D107A.
- 62.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 62.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

63. F-68, F-69 & F-70 (Grocery Store)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 63.1. Location – The location of cameras F-68, F-69 & F-70 are detailed on drawing “FBD –108”
- 63.2. NODE – Cameras F-68, F-69 & F-70 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera locations to the PoE switch in FBD-205 for a PoE connection to each camera.
- 63.3. FOV – Cameras F-68, F-69 & F-70 will observe Driftwood corridor FBD-D133, each camera will view the opposite end of corridor D108.
- 63.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 63.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point.

64. F-71 (Kitchen office corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 64.1. Location – The location of camera F-71 is detailed on drawing “FBD –118”
- 64.2. NODE – Camera F-71 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 64.3. FOV – Camera F-71 will observe corridor FBD-118.
- 64.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 64.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

65. F-72 & F-73 (Kitchen)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 65.1. Location – The location of cameras F-72 & F-73 are detailed on drawing “FBD –123”
- 65.2. NODE – Cameras F-72 & F-73 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera locations to the PoE switch in FBD-205 for a PoE connection to each camera.
- 65.3. FOV – Cameras F-72 & F-73 will observe the main kitchen located in FBD-123.
- 65.4. Cameras – The provided cameras will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.
- 65.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point.

66. F-74 (Kitchen)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 66.1. Location – The location of camera F-74 is detailed on drawing “FBD –128”
- 66.2. NODE – Camera F-74 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 66.3. FOV – Camera F-74 will observe corridor FBD-128.
- 66.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 66.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

67. F-75 & F-76(Leather Craft)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 67.1. Location – The location of cameras F-75 & F-76 are detailed on drawing “FBD –214”
- 67.2. NODE – Cameras F-75 & F-76 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera locations to the PoE switch in FBD-205 for a PoE connection to each camera.
- 67.3. FOV – Cameras F-75 & F-76 will observe the main kitchen located in FBD-214.
- 67.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 67.5. Mounting – The cameras will be wall mounted at the approximate location indicated at the highest possible point.

68. F-77 (Driftwood Upper Corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 68.1. Location – The location of camera F-77 is detailed on drawing “FBD –202”
- 68.2. NODE – Camera F-77 will be connected to Node FN4 located in FBD-205. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBD-205 for a PoE connection to each camera.
- 68.3. FOV – Camera F-77 will observe corridor FBD-202.
- 68.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 68.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

No new or replacement cameras for the following buildings

FBE “Edgewood” – Cameras F77 through F119

FBF “Falcon” – Cameras F120 through F161

FBG “Granite” – Cameras F162 through F203

FBH “Horizon” – Cameras F204 through F245

MAP FBJ

69. F-246 (Juniper Corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 69.1. Location – The location of camera F-246 is detailed on drawing “FBJ –137”
- 69.2. NODE – Camera F-246 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.
- 69.3. FOV – Camera F-246 will observe corridor FBJ –137.
- 69.4. Cameras – The provided camera will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.
- 69.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

70. F-247 (Juniper Corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 70.1. Location – The location of camera F-247 is detailed on drawing “FBJ –149”
- 70.2. NODE – Camera F-247 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.
- 70.3. FOV – Camera F-247 will observe equipment room FBJ –149.
- 70.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 70.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

71. F-248, F-249, F-250 & F-251(Gym)

The contractor must supply and install 4 fixed network colour cameras that meet the following requirements.

- 71.1. Location – The location of cameras B-39 – B-42 is detailed on drawing “FBJ-151”
- 71.2. NODE – Cameras F-248 – F-151 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.
- 71.3. FOV – Cameras F-248 – F-151 will observe the inmate gym room FBJ-151.
- 71.4. Cameras – The provided cameras will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.
- 71.5. Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

72. F-252 – (Gym PTZ)

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

- 72.1.1. Location – The location of camera F-252 is detailed on drawing “FBJ-151”
- 72.1.2. NODE – Camera F-252 will be connected to the VMS using existing CAT6 outdoor rated cable via existing conduit from the camera location to the switch in FBJ-151. The camera will connect to the VMS via Node FN9 located in FBJ-151.
- 72.1.3. FOV – This camera will provide PTZ observation of the main gym area.
- 72.1.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 72.1.5. Mounting – The camera will be mounted on an existing pendant mount on the gym ceiling.

73. F-253 & F-254 (Weight Room)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

- 73.1. Location – The location of camera F-253 & F-254 is detailed on drawing “FBJ –152”
- 73.2. NODE – Camera F-253 & F-254 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.
- 73.3. FOV – Camera F-253 & F-254 will observe the weight room FBJ –152.
- 73.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
- 73.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

74. F-255, F-256 & F-257(Juniper Main Corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

74.1. Location – The location of cameras F-255, F-256 & F-257 is detailed on drawing “FBJ –134”

74.2. NODE – Camera F-255, F-256 & F-257 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.

74.3. FOV – Cameras F-255, F-256 & F-257 will observe the Corridor areas of FBJ –134.

74.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

74.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

75. F-258 (Library Computers)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

75.1. Location – The location of camera F-258 is detailed on drawing “FBJ –115”

75.2. NODE – Camera F-258 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.

75.3. FOV – Camera F-258 will observe computers in the library FBJ –115.

75.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

75.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

76. F-259 (Gym Entry)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

76.1. Location – The location of camera F-259 is detailed on drawing “FBJ –158”

76.2. NODE – Camera F-259 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.

76.3. FOV – Camera F-259 will observe the gym entry corridor FBJ –158.

76.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

76.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

77. F-260 (Juniper South Door)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

77.1. Location – The location of camera F-260 is detailed on drawing “FBJ –101”

77.2. NODE – Camera F-260 will be connected to Node FN9 located in FBJ –201. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBJ –201 for a PoE connection to each camera.

77.3. FOV – Camera F-260 will observe the south Juniper entry door FBJ –201.

77.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

77.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

No replacement for cameras F-261, 262 & 263

SITE SPECIFIC REQUIREMENTS

MAP FBR

78. F-264 (A&D waiting room)

The contractor must supply and install an anti-ligature outdoor colour network camera that meets or exceeds the following requirements.

78.1. Location – The location of camera F-264 is detailed on drawing “FBR-101”

78.2. NODE – Camera F-264 will be connected to Node FN9 located in FBJ-201. The contractor must supply and install all necessary CAT6, cabling CAT6 PoE extensions, and conduit from the camera location to the PoE switch in FBJ-201.

78.3. FOV – F-264 will observe the carving area FBR-101.

78.4. Cameras – The provided cameras will be type #3 as detailed in section 4.5.4.4 of this statement of technical requirements.

78.5. Mounting – The cameras will be wall/corner mounted at the approximate location indicated at the highest possible point.

MAP FBT

No replacement for cameras F-265 through F-284.

MAP FBU

79. F-285 (Unity Entry)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

79.1. Location – The location of camera F-285 is detailed on drawing “FBU –118”

79.2. NODE – Camera F-285 will be connected to Node FN12 located in FBU –115A. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBU –115A for a PoE connection to each camera.

79.3. FOV – Camera F-285 will observe the Unity entry door FBU –118.

79.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

79.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

80. F-286, F-287 & F-288(Unity Main Corridor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

80.1. Location – The location of cameras F-286, F-287 & F-288 is detailed on drawing “FBU –116”

80.2. NODE – Camera F-286, F-287 & F-288 will be connected to Node FN12 located in FBU –115A. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBU –115A for a PoE connection to each camera.

80.3. FOV – Cameras F-286, F-287 & F-288 will observe the Corridor areas of FBU –116.

80.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

80.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

81. F-289 (Unity 2nd floor)

The contractor must supply and install a fixed network colour camera that meets the following requirements.

81.1. Location – The location of camera F-289 is detailed on drawing “FBU –117”

81.2. NODE – Camera F-289 will be connected to Node FN12 located in FBU –115A. The contractor must supply and install all necessary CAT6 cabling and conduit from the camera location to the PoE switch in FBU –115A for a PoE connection to each camera.

81.3. FOV – Camera F-289 will observe the Unity entry door FBU –117.

81.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

81.5. Mounting – The camera will be wall mounted at the approximate location indicated at the highest possible point.

Medium Unit Cameras – Perimeter Cameras:

82. P-1 & P-2 (Tower 1)

The contractor must supply and install 2 fixed colour network cameras that meet or exceed the following requirements:

82.1. Location – The location of cameras P-1 & P-2 is Tower 1 behind the PFV unit (FBS) and is detailed on drawing “422 Medium Security Unit”

82.2. NODE – Cameras P-1 & P-2 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.

82.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.

82.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.

82.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

83. P-3, P-4 & P-5 (Tower 2)

The contractor must supply and install 3 fixed colour network cameras that meet or exceed the following requirements:

83.1. Location – The location of cameras P-3, P-4 & P-5 is Tower 2 north of building FBN and is detailed on drawing “422 Medium Security Unit”

83.2. NODE – Cameras P-3, P-4 & P-5 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.

83.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.

83.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.

83.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

SITE SPECIFIC REQUIREMENTS

84. P-6, P-7 & P-8 (Tower 3)

The contractor must supply and install 3 fixed colour network cameras that meet or exceed the following requirements:

- 84.1. Location – The location of cameras P-6, P-7 & P-8 is Tower 3 north of building FBN and is detailed on drawing “422 Medium Security Unit”
- 84.2. NODE – Cameras P-6, P-7 & P-8 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 84.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 84.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 84.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

85. P-9 (Tower 4)

The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:

- 85.1. Location – The location of cameras P-9 is Tower 4 NW of building FBN and is detailed on drawing “422 Medium Security Unit”
- 85.2. NODE – Camera P-9 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 85.3. FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 85.4. Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 85.5. Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

86. P-10, P-11 & P-12 (Tower 5)

The contractor must supply and install 3 fixed colour network cameras that meet or exceed the following requirements:

- 86.1. Location – The location of cameras P-10, P-11 & P-12 is Tower 5 SW of building FBF and is detailed on drawing “422 Medium Security Unit”
- 86.2. NODE – Cameras P-10, P-11 & P-12 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 86.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 86.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.

SITE SPECIFIC REQUIREMENTS

- 86.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
87. P-13, P-14 & P-15 (Tower 6)
The contractor must supply and install 3 fixed colour network cameras that meet or exceed the following requirements:
- 87.1. Location – The location of cameras P-13, P-14 & P-15 is Tower 6 SW of building FBF and is detailed on drawing “422 Medium Security Unit”
- 87.2. NODE – Cameras P-13, P-14 & P-15 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 87.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 87.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 87.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
88. P-16 (Tower 7)
The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:
- 88.1. Location – The location of camera P-16 is Tower 7 SSW of building FBF and is detailed on drawing “422 Medium Security Unit”
- 88.2. NODE – Camera P-16 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 88.3. FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 88.4. Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 88.5. Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
89. P-17 (Tower 8)
The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:
- 89.1. Location – The location of camera P-17 is Tower 8 SSE of building FBF and is detailed on drawing “422 Medium Security Unit”
- 89.2. NODE – Camera P-17 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 89.3. FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.

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- 89.4. Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 89.5. Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
90. P-18 & P-19 (Tower 9)
The contractor must supply and install 2 fixed colour network cameras that meet or exceed the following requirements:
- 90.1. Location – The location of cameras P-18 & P-19 is Tower 9 south of building FBG and is detailed on drawing “422 Medium Security Unit”
- 90.2. NODE – Cameras P-18 & P-19 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 90.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 90.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 90.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
91. P-20, P-21 & P-22 (Tower 10)
The contractor must supply and install 3 fixed colour network cameras that meet or exceed the following requirements:
- 91.1. Location – The location of cameras P-20, P-21 & P-22 is Tower 10 South of building FBG and is detailed on drawing “422 Medium Security Unit”
- 91.2. NODE – Cameras P-20, P-21 & P-22 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 91.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 91.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 91.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
92. P-23, P-24 & P-38 (Tower 11)
The contractor must supply and install 3 fixed colour network cameras that meet or exceed the following requirements:
- 92.1. Location – The location of cameras P-23, P-24 & P-38 is Tower 11 at the south end of the FEN fencing and is detailed on drawing “422 Medium Security Unit”
- 92.2. NODE – Cameras P-23, P-24 & P-38 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.

SITE SPECIFIC REQUIREMENTS

- 92.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 92.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 92.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
93. P-25, P-26 & P-27 (Tower 12)
The contractor must supply and install 3 fixed colour network cameras that meet or exceed the following requirements:
- 93.1. Location – The location of cameras P-25, P-26 & P-27 is Tower 12 on the eastern corner of the FEN and is detailed on drawing “422 Medium Security Unit”.
- 93.2. NODE – Cameras P-25, P-26 & P-27 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 93.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 93.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 93.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
94. P-28 & P-29 (Tower 13)
The contractor must supply and install 2 fixed colour network cameras that meet or exceed the following requirements:
- 94.1. Location – The location of cameras P-28 & P-29 is Tower 13 on the eastern corner of the FEN and is detailed on drawing “422 Medium Security Unit”
- 94.2. NODE – Cameras P-28 & P-29 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 94.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 94.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 94.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

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95. P-30 (Tower 14)

The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:

- 95.1. Location – The location of camera P-30 is Tower 14 on the eastern corner of the FEN and is detailed on drawing “422 Medium Security Unit”
- 95.2. NODE – Camera P-30 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 95.3. FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 95.4. Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 95.5. Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

96. P-31 & P-32 (Tower 15)

The contractor must supply and install 2 fixed colour network cameras that meet or exceed the following requirements:

- 96.1. Location – The location of cameras P-31 & P-32 is Tower 14 on the northern corner of the FEN and is detailed on drawing “422 Medium Security Unit”
- 96.2. NODE – Cameras P-31 & P-32 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 96.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 96.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 96.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

97. P-33 & P-34 (Tower 16)

The contractor must supply and install 2 fixed colour network cameras that meet or exceed the following requirements:

- 97.1. Location – The location of cameras P-33 & P-34 is Tower 16 on the northern corner of the FEN and is detailed on drawing “422 Medium Security Unit”
- 97.2. NODE – Cameras P-33 & P-34 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 97.3. FOV – The cameras will be equipped with 12.5-50mm P-Iris type lenses with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 97.4. Camera – The provided cameras will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.

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- 97.5. Mounting – The cameras will be mounted into the existing perimeter camera enclosures. The contractor will provide and install a new CAT6 Ethernet connections between the cameras and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
98. P-35 (Perimeter Fence)
The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:
- 98.1. Location – The location of camera P-35 is on the northern inner perimeter fence, north of building FBB and is detailed on drawing “422 Medium Security Unit”
- 98.2. NODE – Camera P-35 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
- 98.3. FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 98.4. Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 98.5. Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure. The contractor will provide a new stainless steel locking cabinet securely mounted to the nearest fence post below the camera. The provided network switch and the AC circuit supporting camera P-35 will be located in the provided cabinet.
99. P-36 (FBA Sallyport inner gate)
The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:
- 99.1. Location – The location of camera P-36 is on the SW corner of building FBA and is detailed on drawing “422 Medium Security Unit”.
- 99.2. NODE – Camera P-36 will be connected to the VMS via a new contractor provided and installed outdoor rated CAT6 cable from the camera tower to Node 1.
- 99.3. FOV – The camera will be equipped with 2.8-8mm P-Iris type lens with a horizontal field of view no less than 112°–39°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
- 99.4. Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
- 99.5. Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure. The contractor will relocate the existing enclosure approximately 31CM lower on the wall to enable the enclosure to be fully opened under the roof overhang.
100. P-37 (New Tower 17)
The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:
- 100.1. Location – The location of camera P-37 is New Tower 17 on the northern end of the FEN fencing outside of the outer perimeter fence and is detailed on drawing “422 Medium Security Unit”.
- 100.2. NODE – Camera P-37 will be connected to the VMS via and contractor provided outdoor CAT6 cable in a new conduit following the outer perimeter fence from the tower into building FBA-114A and connecting to Node FN1.
- 100.3. FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.

SITE SPECIFIC REQUIREMENTS

- 100.4.Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
 - 100.5.Mounting – The camera will be mounted into the relocated existing perimeter camera enclosure. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.
 - 100.6.Tower – The contractor will provide and install a new self-supporting steel tower equal in height to the existing tower located inside the FEN enclosure. The camera will be mounted at a height that allows an unobstructed view of the far end of the FEN side of the FEN separation fence.
101. P-38 (Tower 11)
- The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:
- 101.1.Location – The location of camera P-38 is Tower 11 on the southern end of the FEN and is detailed on drawing “422 Medium Security Unit”
 - 101.2.NODE – Camera P-38 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.
 - 101.3.FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.
 - 101.4.Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.
 - 101.5.Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

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Minimum Unit Cameras – Outdoor Areas:

102. B-1 – SIDS 1
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
- 102.1. Location – The location of camera B-1 is detailed on drawing “443 Outdoor Plan”
 - 102.2. NODE – Camera B-1 will be connected to the VMS using an existing CAT6 link from the camera tower to Node BN6. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports.
 - 102.3. FOV – This camera will provide observation of the north perimeter fencing along the airport, west of Beaver Creek Drive and east behind BC16, BC05 and BC59.
 - 102.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
 - 102.5. Mounting – The camera will be mounted on a contractor provided double gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated north/south and the camera shall be mounted on the north arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet. The cabinet shall have a locking hasp that will accommodate a 1” brass padlock. The provided cabinet will have a NEMA 4 rating.
103. B-2 – BCI Minimum Parking Lot
The contractor must supply and install a multi-sensor outdoor colour network camera that meets or exceeds the following requirements:
- 103.1. Location – The location of camera B-2 is detailed on drawing “443 Outdoor Plan”
 - 103.2. NODE – Camera B-2 will be connected to the VMS using an existing CAT6 link from the camera tower to Node BN6. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports.
 - 103.3. FOV – This camera will provide a 180° view of the BCI minimum unit parking lot.
 - 103.4. Camera – The provided camera will be type #5 as detailed in section 4.5.4.6 of this statement of technical requirements.
 - 103.5. Mounting – The camera will be mounted on a contractor provided double gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated north/south and the camera shall be mounted on the south arm of the gooseneck. The switch will be installed into the stainless steel equipment cabinet described for camera B-1.
104. B-3 – BCI Minimum Parking Lot #2
The contractor must supply and install a fixed dome outdoor colour network camera that meets or exceeds the following requirements:
- 104.1. Location – The location of camera B-3 is detailed on drawing “443 Outdoor Plan”.
 - 104.2. NODE – Camera B-3 will be connected to the VMS using an existing CAT6 link from the camera tower to Node BN6. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports.
 - 104.3. FOV – This camera will provide observation of the angle parking area along Beaver Creek Drive and behind BC16.
 - 104.4. Camera – The provided camera will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.
 - 104.5. Mounting – The camera assembly will be provided with a T91A47 or equivalent pole mounting bracket. The switch will be installed into the stainless steel equipment cabinet described for camera B-1.
105. B-4 – BC05 Loading Dock
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
- 105.1. Location – The location of camera B-4 is detailed on drawing “443 Outdoor Plan”
 - 105.2. NODE – Camera B-4 will be connected to the VMS via a contractor installed CAT6 link from the camera to Node BN2.

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- 105.3.FOV – This camera will provide observation of the north perimeter fencing along the airport, loading docks on BC05 and the backs of buildings BC03, BC05, BC16, BC59.
- 105.4.Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 105.5.Mounting – The camera will be mounted on T91L61 pendant mount with internal CAT6 terminations for premise wiring. The pendant mount will be attached to the wall of BC05 with a T91A64 wall mount adapter at a height of 20' minimum or as close as possible under the roof overhang.
106. B-5 – Ball Field
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
- 106.1.Location – The location of camera B-5 is detailed on drawing “443 Outdoor Plan”
- 106.2.NODE – Camera B-5 will be connected to the VMS via an existing OM3 fibre optic link from the camera to Node BN6.
- 106.3.FOV – This camera will provide observation of the north perimeter fencing along the airport, ball field, aboriginal grounds, BC43, BC44, BC45.
- 106.4.Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 106.5.Mounting – The camera will be mounted onto the existing pendant mount on the CCTV tower.
107. B-6 – Duty Office
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
- 107.1.Location – The location of camera B-6 is detailed on drawing “443 Outdoor Plan”
- 107.2.NODE – Camera B-6 will be connected to the VMS via an existing CAT6 link from the camera to Node BN3.
- 107.3.FOV – This camera will provide observation to the north of the V&C yards, mini golf area, BC10, BC23, BC25, BC41.
- 107.4.Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 107.5.Mounting – The camera will be mounted onto the pendant mount on the existing CCTV tower.
108. B-7 – South Gym Courtyard
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
- 108.1.Location – The location of camera B-7 is detailed on drawing “443 Outdoor Plan”
- 108.2.NODE – Camera B-7 will be connected to the VMS via a contractor provided buried conduit outdoor CAT6 cable from the camera to Node BN5.
- 108.3.FOV – This camera will provide observation of yard and movement areas between BC10, BC14, BC15, BC19, BC20, BC23, BC25, BC58 & BC62.
- 108.4.Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.
- 108.5.Mounting – The contractor will provide and install a 12M tilt down tower with an incorporated cabinet base. The tower will be equipped with a gooseneck mount to support the camera. Altron 1545/12 TD/HS cabinet based tilt down tower supplied with winch DW2500/45 is an example of a suitable tower.
109. B-8 – East Roadway
The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:
- 109.1.Location – The location of camera B-8 is detailed on drawing “443 Outdoor Plan”
- 109.2.NODE – Camera B-8 will be connected to the VMS via a contractor provided buried conduit outdoor CAT6 cable from the camera to Node BN7.
- 109.3.FOV – This camera will provide observation of the east roadway and movement areas between BC19, BC43, BC44, BC46, BC54, & BC62.
- 109.4.Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

SITE SPECIFIC REQUIREMENTS

109.5. Mounting – The contractor will provide and install a 12M tilt down tower with an incorporated cabinet base. The tower will be equipped with a gooseneck mount to support the camera. Altron 1545/12 TD/HS cabinet based tilt down tower supplied with winch DW2500/45 is an example of a suitable tower.

110. B-9 – Living Unit #5

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

110.1. Location – The location of camera B-9 is detailed on drawing “443 Outdoor Plan”

110.2. NODE – Camera B-9 will be connected to the VMS via an existing fibre-optic link from the camera tower to Node BN7.

110.3. FOV – This camera will provide observation to the south and east areas adjacent to the medium unit parking lot and the roadway to the firing range.

110.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

110.5. Mounting – The camera will be mounted on a contractor provided double gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated north/south and the camera shall be mounted on the north arm of the gooseneck. The switch will be installed into a new contractor provided locking stainless steel equipment cabinet. The cabinet shall have a locking hasp that will accommodate a 1” brass padlock. The provided cabinet will have a NEMA 4 rating.

111. B-10 – Generator

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

111.1. Location – The location of camera B-10 is detailed on drawing “443 Outdoor Plan”

111.2. NODE – Camera B-10 will be connected to the VMS via an existing fibre-optic link from the camera tower to Node BN3.

111.3. FOV – This camera will provide observation of the west roadway and areas behind buildings BC24, BC25, BC40, & BC41.

111.4. Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

111.5. Mounting – The camera will be mounted onto the pendant mount on the existing CCTV tower.

MAP BC03

112. B-11 & B12 – BC03 Corcan

The contractor must supply and install 2 fixed network colour cameras that meet the following requirements:

112.1. Location – The location of cameras B-11 & B12 is detailed on drawing “BC03”

112.2. NODE – Cameras B-11 & B12 will be connected to Node BN2 located in BC05. The contractor must supply and install all necessary CAT6 and CAT6 extenders, cabling and conduit from the camera location to the PoE switch in BC05 for a PoE connection to each camera.

112.3. FOV – These cameras will observe Corcan area BC03 Room 102.

112.4. Camera – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

112.5. Mounting – The camera will be mounted to the interior wall at the approximate location indicated on map BC03 at the highest possible point.

MAP BC05

113. B-13 to B-16 – BC05 Food Preparation

The contractor must supply and install 4 fixed network colour cameras that meet the following requirements:

SITE SPECIFIC REQUIREMENTS

- 113.1. Location – The location of cameras B-13 to B-16 is detailed on drawing “BC05”.
 - 113.2. NODE – Cameras B-13 to B-16 will be connected to Node BN2 located in BC05-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC05 for a PoE connection to each camera.
 - 113.3. FOV – These cameras will observe food preparation areas in BC03 hallway 111 and rooms 118, 124 & 125.
 - 113.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
 - 113.5. Mounting – The cameras will be mounted to the interior wall at the approximate location indicated on map BC05 at the highest possible point.
114. B-17 & B-19 (Loading dock and breezeway)
The contractor must supply and install 3 fixed network colour cameras that meet the following requirements:
- 114.1. Location – The location of cameras B-17 to B-19 is detailed on drawing “BC05”
 - 114.2. NODE – Cameras B-17 to B-19 will be connected to Node BN2 located in BC05-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC05 for a PoE connection to each camera.
 - 114.3. FOV – These cameras will observe the following areas:
 - 114.3.1. B-17 will face north viewing the indoor truck unloading platform.
 - 114.3.2. B-18 & B19 will view east and west to provide observation of the indoor breezeway area.
 - 114.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
 - 114.5. Mounting – The cameras will be mounted to the interior wall or ceiling at the approximate location indicated on map BC05 at the highest possible point.
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MAP BC12

115. B-20 & B-21 – (V&C Yard Areas)
The contractor must supply and install 2 fixed network colour cameras that meet the following requirements:
- 115.1. Location – The location of cameras B-20 & B-21 is detailed on drawing “BC12”
 - 115.2. NODE – Cameras B-20 & B-21 will be connected to Node BN3 located in BC12-B11. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC12-B11 for a PoE connection to each camera.
 - 115.3. FOV – B-20 & B-21 observes the outdoor visits area to provide a reference in compliment to the PTZ cameras.
 - 115.4. Cameras – The provided cameras will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.
 - 115.5. Mounting – The cameras will be mounted to the exterior wall or under the roof overhang at the approximate location indicated at the highest possible point.
116. B-22 & B-23 – (V&C Indoor visits area)
The contractor must supply and install 2 fixed network colour cameras that meet the following requirements:
- 116.1. Location – The location of cameras B-22 & B-23 is detailed on drawing “BC12”
 - 116.2. NODE – Cameras B-22 & B-23 will be connected to Node BN3 located in BC12-B11. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC12-B11 for a PoE connection to each camera.
 - 116.3. FOV – B-22 & B-23 will observe the indoor visits area BC12-108 to provide a reference in compliment to the PTZ camera.
 - 116.4. Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
 - 116.5. Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

117. B-24 – (BC12 inmate entrance)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements:

117.1.Location – The location of cameras B-24 is detailed on drawing “BC12”

117.2.NODE – Cameras B-22 & B-23 will be connected to Node BN3 located in BC12-B11. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC12-B11 for a PoE connection to each camera.

117.3.FOV – B-24 will observe the inmate entry BC12-113 and staircase to the V&C area.

117.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

117.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

118. B-25 –V&C Indoor PTZ

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

118.1.Location – The location of camera B-25 is detailed on drawing “BC12”.

118.2.NODE – Camera B-25 will be connected to Node BN3 located in BC12-B11. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC12-B11 for a PoE connection to the camera.

118.3.FOV – This camera will provide 360° view of the indoor visits area BC12-108.

118.4.Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

118.5.Mounting – The camera will be mounted to a contractor provided T91B51 pendant mount to provide swivel for the ceiling slope and allow a downward extension to ensure the camera can view the entire visiting area below the T-bar ceiling in the other areas of BC12-108.

119. B-26 – (V&C Search Area)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements:

119.1.Location – The location of cameras B-26 is detailed on drawing “BC12”

119.2.NODE – Camera B-26 will be connected to Node BN3 located in BC12-B11. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC12-B11.

119.3.FOV – B-26 will observe the search area BC12-106.

119.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

119.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

MAP BC13

120. B-27 (Healthcare Inmate Waiting Room)

The contractor must supply and install an anti-ligature outdoor colour network camera that meets or exceeds the following requirements.

120.1.Location – The location of cameras B-27 is detailed on drawing “BC13”

120.2.NODE – Camera B-27 will be connected to Node BN4 located in BC13-B01. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC13-B01.

120.3.FOV – B-27 will observe the healthcare inmate waiting room BC13-107.

120.4.Cameras – The provided cameras will be type #3 as detailed in section 4.5.4.4 of this statement of technical requirements.

120.5.Mounting – The cameras will be wall/corner mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

121. B-28 (Healthcare Corridor 101)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

121.1.Location – The location of cameras B-28 is detailed on drawing “BC13”

121.2.NODE – Camera B-28 will be connected to Node BN4 located in BC13-B01. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC13-B01.

121.3.FOV – B-28 will observe the healthcare health care corridor BC13-101.

121.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

121.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

122. B-29 (Healthcare Corridor 104)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

122.1.Location – The location of cameras B-29 is detailed on drawing “BC13”

122.2.NODE – Camera B-29 will be connected to Node BN4 located in BC13-B01. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC13-B01.

122.3.FOV – B-29 will observe the healthcare health care corridor BC13-101.

122.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

122.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

123. B-30 (SIS Cleaning room 116)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

123.1.Location – The location of cameras B-30 is detailed on drawing “BC13”

123.2.NODE – Camera B-30 will be connected to Node BN4 located in BC13-B01. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC13-B01.

123.3.FOV – B-30 will observe the cleaning room BC13-116.

123.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

123.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

124. B-31 & B-32 (SIS General Area room 116)

The contractor must supply and install 2 fixed network colour cameras that meet the following requirements.

124.1.Location – The location of cameras B-31 & B32 are detailed on drawing “BC13”

124.2.NODE – Cameras B-31 & B32 will be connected to Node BN4 located in BC13-B01. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC13-B01.

124.3.FOV – Cameras B-31 & B32 will observe the general area providing reverse angle views of room BC13-112.

124.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

124.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.



SITE SPECIFIC REQUIREMENTS

MAP BC15

125. B-33 (Inmate Canteen (min))

The contractor must supply and install a fixed network colour camera that meet the following requirements.

125.1.Location – The location of camera B-33 is detailed on drawing “BC15”.

125.2.NODE – Camera B-33 will be connected to Node BN5 located in BC15-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC15-113.

125.3.FOV – Camera B-33 will observe the inmate canteen interior providing a 360° view of room BC15-102.

125.4.Cameras – The provided cameras will be type #4 as detailed in section 4.5.4.5 of this statement of technical requirements.

125.5.Mounting – The cameras will be ceiling mounted at the approximate location indicated at the highest possible point.

126. B-34 & B-35 (Inmate Canteen Window)

The contractor must supply and install 2 fixed network colour cameras that meet the following requirements.

126.1.Location – The location of cameras B-34 & B-35 is detailed on drawing “BC15”

126.2.NODE – Cameras B-34 & B-35 will be connected to Node BN5 located in BC15-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC15-113.

126.3.FOV – Cameras B-34 & B-35 will observe the inmate canteen corridor providing reverse angle views of room BC15-101.

126.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

126.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

127. B-36 (Hobby Craft room 104)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

127.1.Location – The location of camera B-36 is detailed on drawing “BC15”

127.2.NODE – Camera B-36 will be connected to Node BN5 located in BC15-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC15-113.

127.3.FOV – B-36 will observe the hobby craft room BC15-104.

127.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

127.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

128. B-37 (Hobby Craft room 104A)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

128.1.Location – The location of camera B-37 is detailed on drawing “BC15”

128.2.NODE – Camera B-37 will be connected to Node BN5 located in BC15-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC15-113.

128.3.FOV – B-37 will observe the hobby craft room BC15-104A.

128.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

128.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

129. B-38 (Weight Pit north)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

129.1.Location – The location of camera B-38 is detailed on drawing “BC15”

129.2.NODE – Camera B-38 will be connected to Node BN5 located in BC15-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC15-113.

129.3.FOV – B-38 will observe the north weight pit room BC15-110.

129.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

129.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

130. B-39, B-40, B-41 & B-42 (Gym)

The contractor must supply and install 4 fixed network colour cameras that meet the following requirements.

130.1.Location – The location of cameras B-39 – B-42 is detailed on drawing “BC15”

130.2.NODE – Cameras B-39 – B-42 will be connected to Node BN5 located in BC15-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC15-113.

130.3.FOV – Cameras B-39 – B-42 will observe the inmate gym room BC15-111.

130.4.Cameras – The provided cameras will be type #1B as detailed in section 4.5.4.2 of this statement of technical requirements.

130.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

131. B-43 (Weight Pit south)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

131.1.Location – The location of camera B-43 is detailed on drawing “BC15”

131.2.NODE – Camera B-43 will be connected to Node BN5 located in BC15-113. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC15-113.

131.3.FOV – B-43 will observe the north weight pit room BC15-112.

131.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

131.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

MAP BC20

132. B-44 (Neighbourhood 2 Common Room)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

132.1.Location – The location of camera B-44 is detailed on drawing “BC20”

132.2.NODE – Camera B-44 will be connected to Node BN7 located in BC19. The contractor must supply and install all necessary CAT6 and CAT6 PoE extenders, cabling and conduit from the camera location to the PoE switch in BC19 for a PoE connection to the camera.

132.3.FOV – B-44 will observe the neighbourhood common room, BC20-112.

132.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

132.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

SITE SPECIFIC REQUIREMENTS

MAP BC23

133. B-45 (Neighbourhood 1 Common Room)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

133.1. Location – The location of camera B-45 is detailed on drawing “BC23”

133.2. NODE – Camera B-45 will be connected to Node BN8 located in BC24. The contractor must supply and install all necessary CAT6 and CAT6 PoE extenders, cabling and conduit from the camera location to the PoE switch in BC24 for a PoE connection to the camera.

133.3. FOV – B-45 will observe the neighbourhood common room, BC23-112.

133.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

133.5. Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

MAP BC41

134. B-46 (Programs entrance vestibule)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

134.1. Location – The location of camera B-46 is detailed on drawing “BC41”

134.2. NODE – Camera B-46 will be connected to Node BN9 located in BC41-126. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC41-126.

134.3. FOV – B-46 will observe the programs entrance vestibule, BC41-101.

134.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

134.5. Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

135. B-47 (Programs classrooms – main floor)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

135.1. Location – The location of camera B-47 is detailed on drawing “BC41”

135.2. NODE – Camera B-47 will be connected to Node BN9 located in BC41-126. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC41-126.

135.3. FOV – B-47 will observe the main floor programs classrooms corridor, BC41-109.

135.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

135.5. Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

136. B-48 (Programs classrooms – 2nd floor)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

136.1. Location – The location of camera B-48 is detailed on drawing “BC41”

136.2. NODE – Camera B-48 will be connected to Node BN9 located in BC41-126. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC41-126.

136.3. FOV – B-48 will observe the 2nd floor programs classrooms corridor, BC41-202.

136.4. Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

SITE SPECIFIC REQUIREMENTS

136.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

MAP BC55

137. B-49 (ID Building entrance vestibule)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

137.1.Location – The location of camera B-49 is detailed on drawing “BC55”

137.2.NODE – Camera B-49 will be connected to Node BN1 located in BC55-105. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC55-105.

137.3.FOV – B-49 will observe the entrance vestibule and the visitor sign-in window, BC55-113.

137.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

137.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

138. B-50 (ID Building mailboxes)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

138.1.Location – The location of camera B-50 is detailed on drawing “BC55”

138.2.NODE – Camera B-50 will be connected to Node BN1 located in BC55-105. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC55-105.

138.3.FOV – B-50 will observe the key safes, inmate mailboxes and duty office door, BC55-116.

138.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

138.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

139. B-51 (Visitor Search Area)

The contractor must supply and install a fixed network colour camera that meets or exceeds the following requirements.

139.1.Location – The location of camera B-51 is detailed on drawing “BC55”

139.2.NODE – Camera B-51 will be connected to Node BN1 located in BC55-105. The contractor must supply and install all necessary CAT6, cabling and conduit from the camera location to the PoE switch in BC55-105.

139.3.FOV – B-51 will observe the visitor search area and x-ray baggage scanning area, BC55-114.

139.4.Cameras – The provided camera will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.

139.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.

MAP BC58

140. B-52 & B-53 (Small Gym)

The contractor must supply and install 2 fixed network colour cameras that meet the following requirements.

140.1.Location – The location of cameras B-52 & B-53 is detailed on drawing “BC58”

140.2.NODE – Cameras B-52 & B-53 will be connected to Node BN5 located in BC 15. The contractor must supply and install all necessary CAT6 and CAT6 extenders, cabling and conduit from the camera location to the PoE switch in BC15 for a PoE connection to each camera.

SITE SPECIFIC REQUIREMENTS

- 140.3.FOV – Cameras B-52 & B-53 will observe the small gym providing reverse angle views of room BC58-101.
 - 140.4.Cameras – The provided cameras will be type #1A as detailed in section 4.5.4.1 of this statement of technical requirements.
 - 140.5.Mounting – The cameras will be wall or ceiling mounted at the approximate location indicated at the highest possible point.
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SITE SPECIFIC REQUIREMENTS

CCTV Client installation details - Medium Security Unit

Monitors and associated NVUS Clients:

FBA – Aurora Building (main entrance/sallyport):

141. M7 – M10 – FBA-104 (MCCP)

The contractor must supply and install 2 complete network clients that meet or exceed all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 141.1. Monitor – Monitors M7 through M10 will replace the existing CCTV monitors in the MCCP console in FBA-104. The provided monitors will be mounted in the console exactly replacing the existing PIDS monitors.
- 141.2. Client CPU – The contractor must supply and install 2 type 1 rack mount clients into the CCTV equipment cabinet located in FBA-103 (CER).
- 141.3. Monitor Specification – The contractor must supply and install 4 type 4 monitors into the existing spaces in the MCCP console. Monitors will display no less than 1024x768 resolution.
- 141.4. Configuration – Each monitor will display CCTV as directed by the S100 system via the Genetec CCTV clients. The provided clients will be programmed to receive and display CCTV images in the current configuration.

142. M11 – M14 – FBA-104 (MCCP)

The contractor must supply and install 2 complete network clients that meet or exceed all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 142.1. Monitor – Monitors M11 through M14 will replace the existing CCTV monitors in the MCCP console in FBA-104. The provided monitors will be mounted in the console exactly replacing the existing SIDS monitors.
- 142.2. Client CPU – The contractor must supply and install 2 type 2 rack mount clients into the CCTV equipment cabinet located in FBA-103 (CER).
- 142.3. Monitor Specification – The contractor must supply and install 4 type 4 monitors into the existing spaces in the MCCP console. Monitors will display no less than 1024x768 resolution.
- 142.4. Mouse – The contractor will provide 1 x mouse which will provide control of monitors M11 through M14 and monitor M19.
- 142.5. Configuration – Each monitor will display CCTV as selected by the MCCP operator on Monitor 19 via the Genetec camera tree. Monitors M11 through M14 will permit spot or quad split display via the Genetec CCTV clients. The provided clients will be programmed to receive and display CCTV images in the current configuration.

143. M15 – M18 – FBA-104 (MCCP)

The contractor must supply and install 2 complete network clients that meet or exceed all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 143.1. Monitor – Monitors M15 through M18 will replace the existing CCTV monitors in the MCCP in FBA-104. The provided monitors will be wall mounted above the console exactly replacing the existing SIDS monitors.
- 143.2. Client CPU – The contractor must supply and install 2 type 2 rack mount clients into the CCTV equipment cabinet located in FBA-103 (CER).
- 143.3. Monitor Specification – The contractor must supply and install 4 type 2 monitors to replace the existing monitor above the MCCP console. Monitors will display no less than 1920 x 1080 resolution.
- 143.4. Configuration – Each monitor will display CCTV as selected by the provided clients which will be programmed to receive and display CCTV images in the current configuration.

SITE SPECIFIC REQUIREMENTS

144. M19 – FBA-104 (MCCP)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 144.1. Monitor – Monitor M19 will replace the existing CCTV monitor in the MCCP console in FBA-104. The provided monitors will be mounted in the console exactly replacing the existing SIDS monitor.
- 144.2. Client CPU – The contractor must supply and install a type 2 rack mount clients into the CCTV equipment cabinet located in FBA-103 (CER).
- 144.3. Monitor Specification – The contractor must supply and install a type 4 monitor into the existing spaces in the MCCP console. The monitor will display no less than 1024x768 resolution.
- 144.4. Mouse – The contractor will provide 1 x mouse which will provide control of monitors M11 through M14 and monitor M19.
- 144.5. Configuration – Each monitor will display CCTV as selected by the MCCP operator on Monitor 19 via the Genetec camera tree. Monitors M11 through M14 will permit spot or quad split display via the Genetec CCTV clients. The provided clients will be programmed to receive and display CCTV images in the current configuration.

145. M20 – FBA-102 (PECP)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 145.1. Monitor – The location of monitor M20 will replace the existing CCTV monitor on the west side (Sallyport) of the PECP in FBA-102. The provided monitor will be mounted on the desktop in the control post on a fixed VESA desktop post with an articulated arm equipped with an adaptor plate for mounting the associated KVM extender.
- 145.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection and PTZ camera operation. The mouse shall be USB connected.
- 145.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBA-103 (CER).
- 145.4. Monitor Specification – The contractor must supply and install a type 2 monitor.
- 145.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F.

146. M21 – FBA-102 (PECP)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 146.1. Monitor – The location of monitor M21 will replace the existing CCTV monitor on the east side (Main entrance) of the PECP in FBA-102. The provided monitor will be mounted on the desktop in the control post on a fixed VESA desktop post with an articulated arm equipped with an adaptor plate for mounting the associated KVM extender.
- 146.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection and PTZ camera operation. The mouse shall be USB connected.
- 146.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBA-103 (CER).
- 146.4. Monitor Specification – The contractor must supply and install a type 2 monitor.
- 146.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F.

SITE SPECIFIC REQUIREMENTS

147. M22 – FBA-209A (CMO)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

147.1. Monitor – Monitor M22 will be a type 3 desktop monitor located in the CMO office located at FBA-209A.

147.2. Mouse/Keyboard – The contractor must supply a USB mouse/keyboard for this monitor to allow all the functions of a type 4 client.

147.3. KVM Switch – The contractor will provide a KVM switch with the client to allow another computer to share the monitor, mouse and keyboard provided with this client. The KVM switch will allow transition from one computer to the other via a connected desktop button or via soft-key switching on the attached keyboard.

147.4. Client CPU – The contractor must supply and install a type 4 desktop tower computer into the office FBA-209A.

147.5. Monitor Specification – The contractor must supply and install a type 3 monitor.

147.6. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will permit both live view and archive playback of any video collected on the Genetec system.

148. M23, M24 & M25 – FBA-212/211 (SIO)

The contractor must supply and install 3 complete network clients that meet or exceed all of the requirements detailed in ES/STD-0228 with the following inclusions:

148.1. Monitor – Monitor M23, M24 & M25 will be a type 3 desktop monitor located in the SIO offices located at FBA-209A.

148.2. Mouse/Keyboard – The contractor must supply a USB mouse/keyboard for this monitor to allow all the functions of a type 4 client.

148.3. KVM Switch – The contractor will provide a KVM switch with the client to allow another computer to share the monitor, mouse and keyboard provided with this client. The KVM switch will allow transition from one computer to the other via a connected desktop button or via soft-key switching on the attached keyboard.

148.4. Client CPU – The contractor must supply and install a type 4 desktop tower computer into the office FBA-212/211.

148.5. Monitor Specification – The contractor must supply and install a type 3 monitor.

148.6. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will permit both live view and archive playback of any video collected on the Genetec system.

149. M26 – FBA-07 (ADGA)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

149.1. Monitor – Monitor M26 will be a type 3 desktop monitor located in the ADGA office located at FBA-07.

149.2. Mouse/Keyboard – The contractor must supply a USB mouse/keyboard for this monitor to allow all the functions of a type 4 client.

149.3. KVM Switch – The contractor will provide a KVM switch with the client to allow another computer to share the monitor, mouse and keyboard provided with this client. The KVM switch will allow transition from one computer to the other via a connected desktop button or via soft-key switching on the attached keyboard.

149.4. Client CPU – The contractor must supply and install a type 4 desktop tower computer into the office FBA-07.

149.5. Monitor Specification – The contractor must supply and install a type 3 monitor.

SITE SPECIFIC REQUIREMENTS

149.6. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will permit both live view and archive playback of any video collected on the Genetec system.

FBB – Borealis (visits and correspondence):

150. M27 – M30 – FBB-110 (V&C)

The contractor must supply and install 2 complete network clients that meet or exceed all of the requirements detailed in ES/STD-0228 with the following inclusions:

150.1. Monitor – Monitor M27 to M30 will be a type 2 desktop monitors located in the V&C post located at FBB-110.

150.2. Mouse/Keyboard – The contractor must supply a USB mouse/keyboard for this monitor to allow all the functions of a type 3 client.

150.3. KVM Switch – The contractor will provide a KVM switch with the client to allow another computer to share the monitor, mouse and keyboard provided with this client. The KVM switch will allow transition from one computer to the other via a connected desktop button or via soft-key switching on the attached keyboard.

150.4. Client CPU – The contractor must supply and install a type 3 rackmount computer into the equipment cabinet located in FBB-127.

150.5. Monitor Specification – The contractor must supply and install a type 2 monitors.

150.6. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will permit both live view and archive playback (up to 24hrs) of any video collected on the Genetec system, these clients will not permit video extraction.

FBC – Cedar (segregation and healthcare):

151. M31 & M32 – FBC-143 (Segregation)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

151.1. Monitor – The location of monitors M31 & M32 will be in Segregation control post located in FBC-143. The provided monitor will be mounted on the desktop in the control post on a fixed VESA desktop post with an articulated arm equipped with an adaptor plate for mounting the associated KVM extender.

151.2. Mouse – The contractor must supply a mouse for this monitor to allow camera. The mouse shall be USB connected.

151.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBC-138.

151.4. Monitor Specification – The contractor must supply and install a type 1 monitors.

151.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F

SITE SPECIFIC REQUIREMENTS

152. M33 – FBC-143 (SEG DRY CELL)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 152.1. Monitor – The location of monitor M33 will be in Segregation control post located in FBC-143. The provided monitor will be mounted on the desktop in the control post on a fixed VESA desktop post with an articulated arm equipped with an adaptor plate for mounting the associated KVM extender.
- 152.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection. The mouse shall be USB connected.
- 152.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBC-138.
- 152.4. Monitor Specification – The contractor must supply and install a type 1 monitor.
- 152.5. Configuration – The monitor will display a cameras F-49 & F-50 in a 2 split. The mouse will permit either camera to be viewed as a spot image. Cameras detailed in appendix F.

153. M34 – FBC-139 (Health Care)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 153.1. Monitor – The location of monitor M34 will be in Segregation control post located in FBC-139. The provided monitor will be mounted on the desktop in the control post on a fixed VESA desktop post with an articulated arm equipped with an adaptor plate for mounting the associated KVM extender.
- 153.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection. The mouse shall be USB connected.
- 153.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBC-138.
- 153.4. Monitor Specification – The contractor must supply and install a type 1 monitor.
- 153.5. Configuration – The monitor will display cameras in a spot, 2 split or quad split image. Cameras detailed in appendix F.

FBD – Driftwood (kitchen):

154. M35 – FBD-120 (Kitchen Office)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

- 154.1. Monitor – The location of monitor M35 will be in kitchen manager's office located in FBD-120. The provided monitor will be mounted on the desktop in the office on the desk.
- 154.2. Mouse/Keyboard – The contractor must supply a USB mouse/keyboard for this monitor to allow all the functions of a type 3 client.
- 154.3. KVM Switch – The contractor will provide a KVM switch with the client to allow another computer to share the monitor, mouse and keyboard provided with this client. The KVM switch will allow transition from one computer to the other via a connected desktop button or via soft-key switching on the attached keyboard.
- 154.4. Client CPU – The contractor must supply and install a type 3 rack mount client into the CCTV equipment cabinet located in FBD-205.
- 154.5. Monitor Specification – The contractor must supply and install a type 2 monitor.
- 154.6. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will permit both live view and archive playback (up to 24hrs) of any video collected on the Genetec system, these clients will not permit video extraction.

SITE SPECIFIC REQUIREMENTS

FBE – Edgewood:

155. M36 – FBE-122 (Edgewood Living Unit)
The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:
- 155.1. Monitor – The location of monitor M36 will be integrated into the CX counter located in FBE-122. The provided monitor will be mounted into the millwork on the desk.
 - 155.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection. The mouse shall be USB connected.
 - 155.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBE-211.
 - 155.4. Monitor Specification – The contractor must supply and install a type 1 monitor.
 - 155.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will also display 6 tabs on the bottom control bar. Each tab will present a 6 split view of cameras in each of the 6 pair of ranges in the living unit.
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FBE – Falcon:

156. M37 – FBE-122 (Falcon Living Unit)
The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:
- 156.1. Monitor – The location of monitor M37 will be integrated into the CX counter located in FBE-122. The provided monitor will be mounted into the millwork on the desk.
 - 156.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection. The mouse shall be USB connected.
 - 156.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBE-211.
 - 156.4. Monitor Specification – The contractor must supply and install a type 1 monitor.
 - 156.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will also display 6 tabs on the bottom control bar. Each tab will present a 6 split view of cameras in each of the 6 pair of ranges in the living unit.
-

FBE – Granite:

157. M38 – FBE-122 (Falcon Living Unit)
The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:
- 157.1. Monitor – The location of monitor M38 will be integrated into the CX counter located in FBE-122. The provided monitor will be mounted into the millwork on the desk.
 - 157.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection. The mouse shall be USB connected.
 - 157.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBE-211.
 - 157.4. Monitor Specification – The contractor must supply and install a type 1 monitor.
 - 157.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing

SITE SPECIFIC REQUIREMENTS

the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will also display 6 tabs on the bottom control bar. Each tab will present a 6 split view of cameras in each of the 6 pair of ranges in the living unit.

FBG – Horizon:

158. M39 – FBH-122 (Horizon Living Unit)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

158.1. Monitor – The location of monitor M39 will be integrated into the CX counter located in FBH-122.

The provided monitor will be mounted into the millwork on the desk.

158.2. Mouse – The contractor must supply a mouse for this monitor to allow camera selection. The mouse shall be USB connected.

158.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in FBH-211.

158.4. Monitor Specification – The contractor must supply and install a type 1 monitor.

158.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will also display 6 tabs on the bottom control bar. Each tab will present a 6 split view of cameras in each of the 6 pair of ranges in the living unit.

SITE SPECIFIC REQUIREMENTS

CCTV Client installation details - Minimum Security Unit

Monitors and associated NVUS Clients:

BC05 – Food Services:

159. M1 – BC05-113 (Kitchen Office)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

159.1. Monitor – The location of monitor M1 will be in kitchen manager's office located in BC05-113. The provided monitor will be mounted on the desktop in the office on the desk.

159.2. Mouse/Keyboard – The contractor must supply a USB mouse/keyboard for this monitor to allow all the functions of a type 3 client.

159.3. KVM Switch – The contractor will provide a KVM switch with the client to allow another computer to share the monitor, mouse and keyboard provided with this client. The KVM switch will allow transition from one computer to the other via a connected desktop button or via soft-key switching on the attached keyboard.

159.4. Client CPU – The contractor must supply and install a type 3 rack mount client into the CCTV equipment cabinet located in BC05-E113.

159.5. Monitor Specification – The contractor must supply and install a type 2 monitor.

159.6. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will permit both live view and archive playback (up to 24hrs) of any video collected on the Genetec system, these clients will not permit video extraction.

BC12 – Visits and Correspondence:

160. M2 & M3 – BC12-103 (V&C Office)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

160.1. Monitor – The location of monitor M2 & M3 will be in V&C Office located in BC12-103. The provided monitors will be mounted on the desktop in the office on the desk.

160.2. Mouse/Keyboard – The contractor must supply a USB mouse/keyboard for this monitor to allow all the functions of a type 3 client.

160.3. Client CPU – The contractor must supply and install a type 3 rack mount client into the CCTV equipment cabinet located in BC12-11.

160.4. Monitor Specification – The contractor must supply and install a 2 type 2 monitors.

160.5. Configuration – The monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F. The client will permit both live view and archive playback (up to 24hrs) of any video collected on the Genetec system, these clients will not permit video extraction.

SITE SPECIFIC REQUIREMENTS

BC55 – Visitor Entrance and Duty Office:

161. M4 & M5 – BC55-100 (Duty Office)

The contractor must supply and install a complete network client that meets or exceeds all of the requirements detailed in ES/STD-0228 with the following inclusions:

161.1. Monitor – The location of monitor M4 & M5 will be in Duty Office located in BC55-100. The provided monitors will be mounted on VESA mount articulated arm with an attached bracket for the KVM extender.

161.2. Mouse – The contractor must supply a mouse for these monitors to allow camera selection. The mouse shall be USB connected.

161.3. Client CPU – The contractor must supply and install a type 2 rack mount client into the CCTV equipment cabinet located in BC55-105.

161.4. Monitor Specification – The contractor must supply and install a type 2 monitors.

161.5. Configuration – One monitor will display a camera tree on the left side of the screen allowing the operator to select cameras in a spot, quad or six split configuration, permitted cameras are detailed in appendix F.

CCTV Node installation details

Nodes and associated Equipment Cabinets:

General:

The contractor must supply and install new network switches, new fibre optic and CAT6 cabling, termination bays and all necessary SFP modules, patch cords and electronic equipment cabinets to provide a complete CCTV network throughout the institution. All cabinets will be dressed and labeled to *ANSI/TIA-568* standards

The contractor will relocate necessary CCTV and other electronic systems equipment to provide to electronic cabinets dedicated to CCTV system equipment to be provided in this project. The contractor must temporarily relocate equipment and maintain that equipment operability while installing and relocating equipment to ensure cabinets housing CCTV are dedicated to CCTV related equipment.

162. Node #1 Main Archive (FBA-103)

The contractor must provide a Core switch cluster consisting of a minimum of two 48 port switches (see section 4.7) supporting a Minimum of 16 1Gbps SFP ports, in addition to these core switches the Contractor will provide an “edge” stackable 48-port 10/100/1000 MBps switch to connect cameras linking to this location as specified in this STR. The provided network switches will be mounted into existing EIA/TIA standard 19” rack mount equipment cabinets. All perimeter cameras will be connected directly to dedicated PIDS 48 port network switch. This switch will be a logical extension of Node #1. The contractor must provide new three power outlet strips. 2 x Horizontal power strips will have at least 5 outlets on the rear and at least 1 outlet on the front of each strip. Each strip must have at least six outlets. 1 x vertical 20A power strip equipped with a twist lock plug and a minimum of 16 outlets. The new vertical power bar will be connected to a dedicated UPS supported circuit in the CER AC distribution panel.

SITE SPECIFIC REQUIREMENTS

Medium Security Unit:

163. Node FN1 (FBA-114) Aurora

This node is the fibre optic termination point for all other buildings on the medium security side of the institution except FN11, FN12 & FN13. Nodes FN2 through FN10 will connect to the core via node FN1. The contractor must provide two 48 port switches (see section 4.7) supporting a Minimum of 16 1Gbps SFP ports each. The contractor will provide and install a new 12 strand OS2 loose tube riser fibre optic cable from FBA-114 to Node 1 located in FBA-103. All strands will be terminated and labeled in termination bays in existing equipment cabinets.

164. Node FN2 (FBB-127) Borealis

Node FN2 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 24 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The clients supporting monitors M27 through M30 will be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a floor mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

165. Node FN3 (FBC-138) Cedar

Node FN3 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 24 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The clients supporting monitors M31 through M34 will be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a floor mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

166. Node FN4 (FBD-205) Driftwood

Node FN4 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 24 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The client supporting monitor M35 be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

167. Node FN5 (FBE-211) Edgewood

Node FN5 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 48 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The client supporting monitor M36 be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

168. Node FN6 (FBF-211) Falcon

Node FN6 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 48 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The client supporting monitor M37 be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

169. Node FN7 (FBG-211) Granite

Node FN7 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 48 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The client supporting monitor M38 be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

SITE SPECIFIC REQUIREMENTS

170. Node FN8 (FBH-209) Horizon

Node FN8 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 48 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The client supporting monitor M39 be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

171. Node FN9 (FBJ-201) Juniper

Node FN9 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 2 x 24 port network switches. Each provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The client supporting monitor M39 be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

172. Node FN10 (FBK-151) Katimavik

Node FN10 will connect to the Node FN1 via existing OS1 fibre. The contractor will provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 1 strand of existing OS1 fibre optic cable connected to a SFP directly into the switch. The contractor must provide and install a floor mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

173. Node FN11 (FBT-203) Tundra

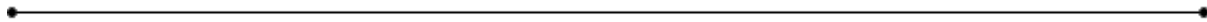
Node FN11 will connect to the Node FN1 via existing OM3 fibre. The contractor will provide 2 x 48 port network switches. Each provided switch will be connected to Node FN1 via 2 strands (each) of existing OM3 fibre optic cable connected to a SFP directly into the switch. Each switch will have a minimum 10GB link to form 1 virtual switch. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

174. Node FN12 (FBU-115A) Unity

Node FN12 will connect to the Node FN11 via existing OM3 fibre. The contractor will provide 1 x 24 port network switch. The provided switch will be connected to Node FN11 (Tundra) via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into each switch. The contractor must provide and install a floor mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

175. Node FN13 (FBV-201A) Vista

Node FN13 will connect to the Node FN1 via existing OM3 fibre. The contractor will provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into each switch. The contractor must provide and install a floor mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.



SITE SPECIFIC REQUIREMENTS

Minimum Security Unit:

176. Node BN1 (BC55-105) Duty Office

This node is the fibre optic termination point for all buildings on the minimum security side of the institution, Nodes BN2 through BN10 will connect to the core via node BN1. The contractor must provide two 48 port switches (see section 4.7) supporting a Minimum of 16 1Gbps SFP ports. The provided network switches will be mounted into existing EIA/TIA standard 19" rack mount equipment cabinets. The contractor must provide new three power outlet strips. 2 x Horizontal power strips will have at least 5 outlets on the rear and at least 1 outlet on the front of each strip. Each strip must have at least six outlets. 1 x vertical 20A power strip equipped with a twist lock plug and a minimum of 16 outlets. The new vertical power bar will be connected to a dedicated UPS supported circuit in the CER AC distribution panel. The contractor will provide and install into existing duct banks a new 24 strand OS2 loose tube plenum fibre optic cable from the equipment cabinet in BC55-105 to the fibre termination point FN1 located in FBA-114. All fibre strands will be terminated and mounted in a EIA/TIA fibre termination bay.

177. Node BN2 (BC05-E113) Stores/Food Services

Node BN2 will connect to the Node BN1 via existing OM3 fibre. The contractor will provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into the switch. The client supporting monitor M1 will be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a floor mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet. The contractor will provide and install a wall mount, vertical hang EIA/TIA 19" rack mount cabinet for equipment in this Node.

178. Node BN3 (BC12-B11) V&C

Node BN3 will connect to the Node BN1 via existing OM3 fibre. The contractor will provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into the switch. The client supporting monitors M2 & M3 will be mounted into this cabinet as detailed in Appendix F. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

179. Node BN4 (BC13-108) Health Care/SIS

Node BN4 will connect to the Node BN1 via a new 12 strand OM3 fibre. The contractor will provide and install a new 12 strand OM3 fibre optic cable between BC13 and BC55, all strands will be terminated and mounted into a new fibre termination bay. The contractor must provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of new OM3 fibre optic cable connected to a SFP directly into the switch. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet. The contractor will provide and install a new 24RU equipment cabinet that meets the requirements described in section 4.14 for the STR.

180. Node BN5 (BC15-113) Recreation/Gym

Node BN5 will connect to the Node BN1 via a new 12 strand OM3 fibre. The contractor will provide and install a new 12 strand OM3 fibre optic cable between BC15 and BC55, all strands will be terminated and mounted into a new fibre termination bay. The contractor must provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of new OM3 fibre optic cable connected to a SFP directly into the switch. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet. The contractor will provide and install a new 24RU equipment cabinet that meets the requirements described in section 4.14 for the STR.

SITE SPECIFIC REQUIREMENTS

181. Node BN6 (BC16-B02) Administration

Node BN6 will connect to the Node BN1 via existing OM3 fibre. The contractor will provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into the switch. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet.

182. Node BN7 (BC19-P14) Unit 5

Node BN7 will connect to the Node BN1 via existing OM3 fibre. The contractor will provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into the switch. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet. The contractor will provide and install a wall mount, vertical hang EIA/TIA 19" rack mount cabinet for equipment in this Node.

183. Node BN8 (BC24-P27) Unit 3

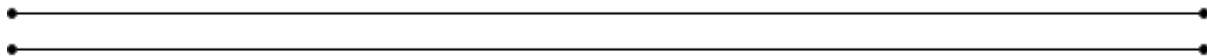
Node BN8 will connect to the Node BN1 via a new 12 strand OM3 fibre. The contractor will provide and install a new 12 strand OM3 fibre optic cable between BC24 and BC55, all strands will be terminated and mounted into a new fibre termination bay. The contractor must provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into the switch. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet. The contractor will provide and install a wall mount, vertical hang EIA/TIA 19" rack mount cabinet for equipment in this Node.

184. Node BN9 (BC41-126) Programs Building

Node BN9 will connect to the Node BN1 via a new 12 strand OM3 fibre. The contractor will provide and install a new 12 strand OM3 fibre optic cable between BC41 and BC55, all strands will be terminated and mounted into a new fibre termination bay. The contractor must provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into the switch. The contractor must provide and install a rack mount UPS that will provide a minimum of 20 minutes' run-time for all equipment housed in this cabinet. The contractor will provide and install a wall mount, vertical hang EIA/TIA 19" rack mount cabinet for equipment in this Node.

185. Node BN10 (BC62-004) 50 Bed Unit

Node BN10 will connect to the Node BN1 via a new 12 strand OM3 fibre. The contractor will provide and install a new 12 strand OM3 fibre optic cable between BC62 and BC55, all strands will be terminated and mounted into a new fibre termination bay. The contractor must provide 1 x 24 port network switch. The provided switch will be connected to Node FN1 via 2 strands of existing OM3 fibre optic cable connected to a SFP directly into the switch.



FIN