

CER Room 122 Existing Cabinet Layout

CER Cabinet Layout Notes

- REMOVE ALL FOUR EXISTING NINETEEN-INCH ENCLOSED FOUR-POST RACK CABINETS.
- PROVIDE FIVE NEW CABINETS AND REINSTALL ALL EXISTING EQUIPMENT IN SAME CABINET NUMBER, EXCEPT WHERE INDICATED OTHERWISE.
- BASIC EQUIPMENT SHOWN. MISCELLANEOUS DEVICES AND EQUIPMENT ARE NOT SHOWN. ALLOW FOR THE RELOCATION, RE-WORKING, MODIFICATIONS AND EXTENSIONS FOR THE ENTIRE CCTV, RADIO AND SECURITY SYSTEMS.
- INSERT NEW SPARE CABINET #4 BETWEEN #3 AND #5 POSITIONS.
- DETAIL SHOWS FRONT FACE OF CABINETS. ALLOW FOR RELOCATION OF SOME MISC DEVICES MOUNTED ON BACK FACE OF CABINETS.
- EVENTIDE IS A VOICE INTERCEPTION AND RECORDING SYSTEM.
- CABINET 5 CONTAINS A DISTRESS LOCATOR SYSTEM MANUFACTURED BY SENSTAR
- THE PPAS COMPUTER IS ASSOCIATED WITH THE DISTRESS LOCATOR SYSTEM IN CABINET 5 AND IS MANUFACTURED BY SENSTAR CORPORATION.
- THE UPS WITHIN CABINET 3 FEEDS LOADS WITHIN CABINET 3 AND IS SEPARATE FROM RELOCATION. 6KVA EATON UPS.
- BOTH UPS UNITS IN ROOM 122 ARE FED FROM PANEL AA.
- REFER TO SPECIFICATIONS FOR MORE DETAILED REQUIREMENTS.
- KVM IN CABINET 5 IS USED FOR FLARE/FLASH MONITOR, KEYBOARD, SPEAKERS AND MOUSE.
- EXISTING CCTV POE INJECTOR HUB IS PLANET POE-2400G.
- EXISTING CCTV FIBRE SWITCHES ARE PLANET SGSW-24240.

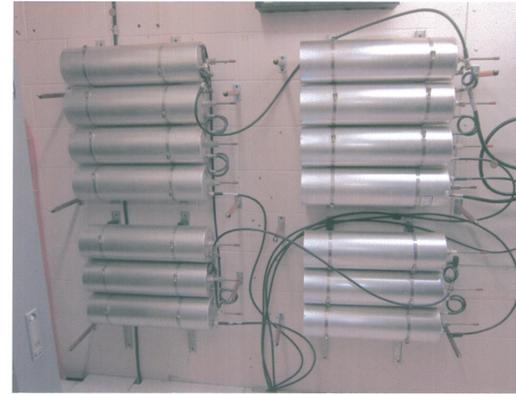


PHOTO 1 - E7
TYPICAL CONFIGURATION OF WALL MOUNTED RADIO CAVITIES WITHOUT COVERS



PHOTO 2 - E7
SIDE VIEW OF TYPICAL RADIO CAVITIES



PHOTO 3 - E7
TYPICAL RADIO CAVITY WALL MOUNTING DETAIL



PHOTO 4 - E7
TYPICAL RADIO CAVITIES WITH COVERS

Radio Cavity Notes

- PRIOR TO COMMENCING ANY WORK ON THE CAVITIES, PROVIDE A SCHEMATIC SKETCH TO THE DEPARTMENTAL REPRESENTATIVE SHOWING THE ROUTING OF CABLES TO EACH CAVITY, RADIO AND ANTENNA. SKETCH MAY BE NEATLY HAND DRAWN AND CONVERTED TO PDF FORMAT.
- ARRANGE CAVITIES WITH THE CABLE CONNECTION ENDS ON THE EAST (LEFT) SIDE, TO ENSURE THERE ARE NO CLEARANCE ISSUES WITH THE ADJACENT POWER PANELBOARD ON THE WEST (RIGHT) SIDE.
- NOTE THE HORIZONTAL SPACE IS LIMITED TO APPROXIMATELY 1800 mm.
- ARRANGE CAVITIES IN TWO SEPARATE COLUMNS AS SHOWN IN PHOTOGRAPHS, WITH SEPARATE COVERS.
- PROVIDE NEW HELIAX CABLE TO THE CAVITIES. PROVIDE NEW HELIAX CABLES AT THE CAVITIES IF WITHIN ALLOWED BENDING RADIUS, OTHERWISE PROVIDE NEW LMR400 CABLES.
- THE 14 EXISTING RADIO CAVITIES ARE HOUSED IN A PLYWOOD BOX ADJACENT TO CABINET #2 IN ROOM 122. REMOVE THE RADIO CAVITIES FROM THE BOX AND MOUNT ON THE ADJACENT WALL AS INDICATED. REMOVE OLD PLYWOOD BOX FROM SITE.
- MOUNT HEAVY DUTY STANDOFF BRACKETS ON THE CONCRETE BLOCK WALL AS A MEANS TO ATTACH THE COVERS, COMPLETE WITH THREADED HEX HEAD FASTENERS. PROVIDE AT LEAST 6 BRACKETS PER COVER, FOR A TOTAL OF AT LEAST 12 BRACKETS. COVER BRACKETS ARE SEPARATE FROM THE CAVITY BRACKETS.
- PROVIDE TWO CLEAR TRANSPARENT PLEXIGLASS COVERS, 9.5 mm THICK, MOUNTED APPROXIMATELY 240 mm FROM THE WALL. SUPPORT COVERS BY THE WALL BRACKETS. DO NOT SUPPORT COVERS FROM THE FLOOR. COVERS SHOULD BE AT LEAST 100 mm OFF THE FLOOR.
- USE THE RAISED COMPUTER ACCESS FLOOR WHERE POSSIBLE TO ROUTE THE CABLES FROM THE RADIOS LOCATED IN THE NEARBY CABINETS TO THE CAVITIES.
- EACH CAVITY MEASURES APPROXIMATELY 610 mm LENGTH, 170 mm DIAMETER, TOTAL OF 14 CAVITIES.
- ALLOW FOR ADDITIONAL COAX CABLE FOR NEW LOCATION OF CAVITIES.
- REFER TO COMMON EQUIPMENT ROOM DRAWING FOR LOCATIONS OF EQUIPMENT.
- ALL WORK ON THE RADIO CAVITIES MUST BE PERFORMED BY A RADIO SYSTEMS SPECIALIST SUB-CONTRACTOR WITH PREVIOUS COMMERCIAL RADIO CAVITY INSTALLATION EXPERIENCE SIMILAR TO THIS VHF INSTALLATION. SUBMIT QUALIFICATIONS OF SPECIALIST SUB-CONTRACTOR TO DEPARTMENTAL REPRESENTATIVE FOR APPROVAL. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
- ALL PHOTOGRAPHS OF RADIO CAVITIES SHOWN AS DETAILS ON THE DRAWINGS ARE OF A TYPICAL INSTALLATION AT A DIFFERENT INSTITUTION.
- TEST AND COMMISSION RADIO SYSTEM AFTER INSTALLATION OF CAVITIES. PROVIDE COMMISSIONING REPORT.
- OWNER'S ELECTRONIC SECURITY SYSTEM CONTRACTOR WILL BE AVAILABLE TO PROVIDE LIMITED VERBAL ADVICE.

Revision/Revisions	Issue for Tender	Date/Date
		June 2014

Correctional Service Canada
Metchosin BC
William Head Institution

Project title/Titre du projet

Principal Entrance
Renovations

Consultant Signature Only

Designed by/Concept par
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Drawn by/Dessiné par
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PWSC Project Manager/Administrateur de Projets TPSC
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Regional Manager, Architectural and Engineering Services
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Drawing title/Titre du dessin

Electrical
Cabinet Layout + Details

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.066815.001	E7	