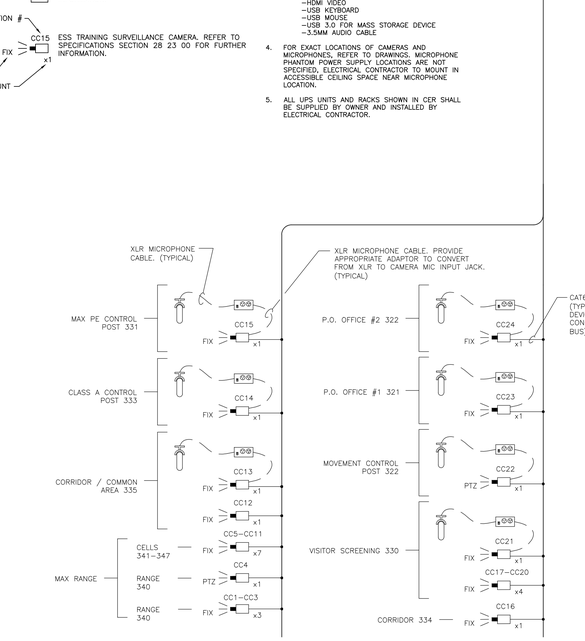
DETAILS SYMBOL SCHEDULE

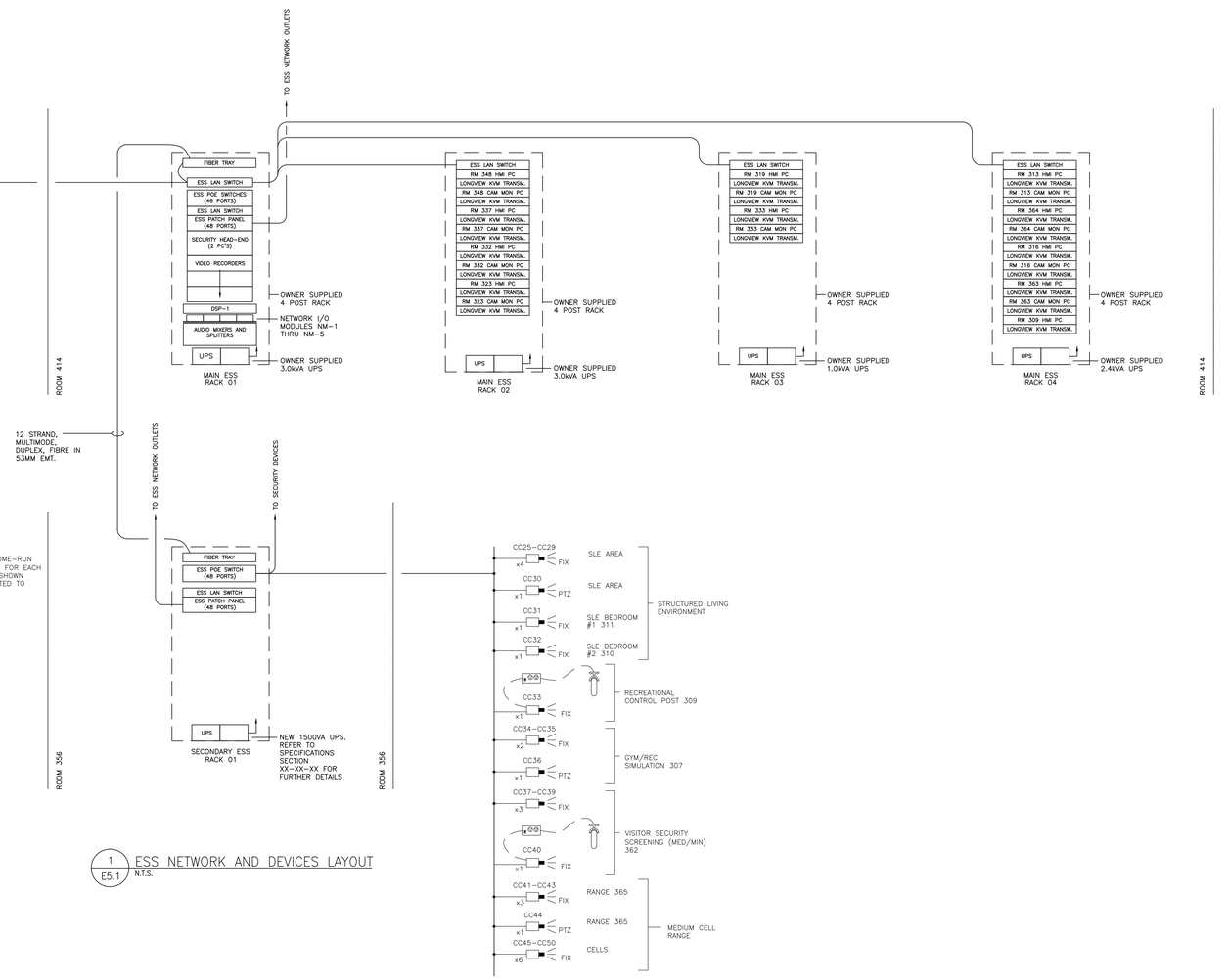
- CEILING MOUNTED MICROPHONE. REFER TO SPECIFICATIONS SECTION 27 51 16 FOR MIC INFORMATION.
- MICROPHONE PHANTOM POWER SUPPLY.
- UNBALANCED TO BALANCED AUDIO TRANSFORMER.
- DESKTOP MOUNTED MICROPHONE. REFER TO SPECIFICATIONS SECTION 27 51 16 FOR FURTHER INFORMATION.
- CAMERA IDENTIFICATION #, CC15, FIX, x1, CAMERA TYPE (FIX/PTZ), CAMERA COUNT — ESS TRAINING SURVEILLANCE CAMERA. REFER TO SPECIFICATIONS SECTION 28 23 00 FOR FURTHER INFORMATION.

RISER NOTES:

1. RACK LAYOUTS ARE FOR INFORMATION ONLY. THEY ARE A DEPICTION OF A TYPICAL SYSTEM LAYOUT, BUT ARE NOT MEANT AS INSTALLATION INSTRUCTIONS. ALL INSTALLATIONS SHALL FOLLOW MANUFACTURER'S REQUIREMENTS.
2. ALL LAN SWITCHES/POE SWITCHES INSTALLED IN ESS RACKS SHALL BE NEW AS SPECIFIED IN 27 11 19.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING CONNECTIONS FROM ALL RACK MOUNTED PC'S TO THEIR RESPECTIVE RACK MOUNTED LONGVIEW TRANSMITTERS:
   - –HDMI VIDEO
   - –USB KEYBOARD
   - –USB MOUSE
   - –USB 3.0 FOR MASS STORAGE DEVICE
   - –3.5MM AUDIO CABLE
4. FOR EXACT LOCATIONS OF CAMERAS AND MICROPHONES, REFER TO DRAWINGS. MICROPHONE PHANTOM POWER SUPPLY LOCATIONS ARE NOT SPECIFIED, ELECTRICAL CONTRACTOR TO MOUNT IN ACCESSIBLE CEILING SPACE NEAR MICROPHONE LOCATION.
5. ALL UPS UNITS AND RACKS SHOWN IN CER SHALL BE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR.

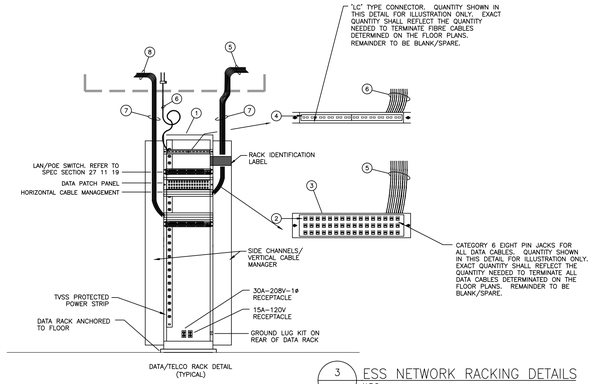


1 / E5.1 ESS NETWORK CAMERAS AND AUDIO INTEGRATION DEVICES
N.T.S.



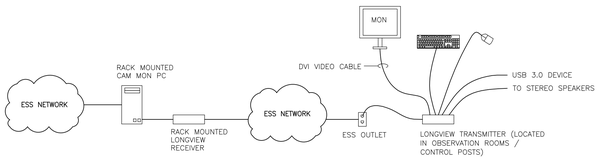
1 / E5.1 ESS NETWORK AND DEVICES LAYOUT
N.T.S.

1 / E5.1 ESS NETWORK AND DEVICES LAYOUT
N.T.S.



1. ESS DATA RACK: 2200(h) x 597(w) x 889(d)mm C/W SIDE CHANNELS AND SUPPORT SHELF FOR OWNER'S MISCELLANEOUS EQUIPMENT. FRAME TO BE C/W ANTI–TIP PLATES ANCHORED TO FLOOR.
2. 48–PORT UNLOADED DATA PATCH PANEL. PATCH PANEL SHALL ACCEPT SAME INSERTS AS WALL PLATE OUTLET JACK INSERTS. REFER TO SPECIFICATIONS. THE INITIAL DATA PATCH PANEL SHALL BE MOUNTED JUST BELOW THE FIBRE TERMINATION TRAY NEAR THE TOP OF DATA EQUIPMENT RACK AS SHOWN. WITH THE REMAINDER OF THE PATCH PANELS MOUNTED BELOW.
3. TYPICAL DATA CABLE SUPPORT BRACKETS MOUNTED IN REAR OF EACH DATA PATCH PANEL. CABLES SHALL BE STRAPPED TO THE SUPPORT BRACKETS TO REDUCE STRAIN ON THE INCOMING CABLES.
4. FIBER TERMINATION TRAY SHALL SUPPORT A MINIMUM 12 FIBER CABLES. MOUNT NEAR THE TOP OF THE DATA EQUIPMENT RACK AS SHOWN. THE FIBRE TERMINATION TRAY SHALL HAVE THE APPROPRIATE NUMBER OF "LC" TYPE CONNECTOR MODULES AS ILLUSTRATED.
5. FIELD OUTLET CABLES TO ESS WALL OUTLETS AND WORKSTATIONS. ALL ESS CABLES SHALL BE CATEGORY 6
6. FIBRE CONNECTION BETWEEN MAIN AND SECONDARY ESS RACKS. THE PATCH CORD SHALL BE PROTECTED WITHIN A CABLE MANAGEMENT SYSTEM.
7. RUN ESS CABLE WITHIN A SLOTTED DUCT CABLE MANAGEMENT SYSTEM EQUIPPED WITH REMOVABLE COVER.
8. FIELD CABLES TO ESS CAMERAS, NETWORK I/O MODULES, AND ANY OTHER ESS DEVICES. ALL ESS CABLES SHALL BE CATEGORY 6.

3 / E5.1 ESS NETWORK RACKING DETAILS
N.T.S.



5 / E5.1 SECURITY MONITORING PC / IP KVM EXTENDER DIAGRAM
N.T.S.

0 10 20 30 40 50 60 70 80 90 100mm

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DO NOT SCALE DRAWINGS

Revision/ Revision	Description/Description	Date/Date

Client/client

Project title/Titre du projet

SHARED LEARNING FACILITY
REGINA, SK

Approved by/Approuve par

Designed by/Concept par
BDK,SBK,GTK

Drawn by/Dessine par
BDK

Project Manager/Administrateur de Projets
AC

Architectural and Engineering Resources Manager/ **Ressources Architecturel et de Directeur d'Ingénierie**

Client/client

Drawing title/Titre du dessin

ESS NETWORK AND CCTV DETAILS

Project No./No. du projet	Sheet/**Feuille**	Revision no./ **La Révision no.**
05/2013	**E5.1**	