

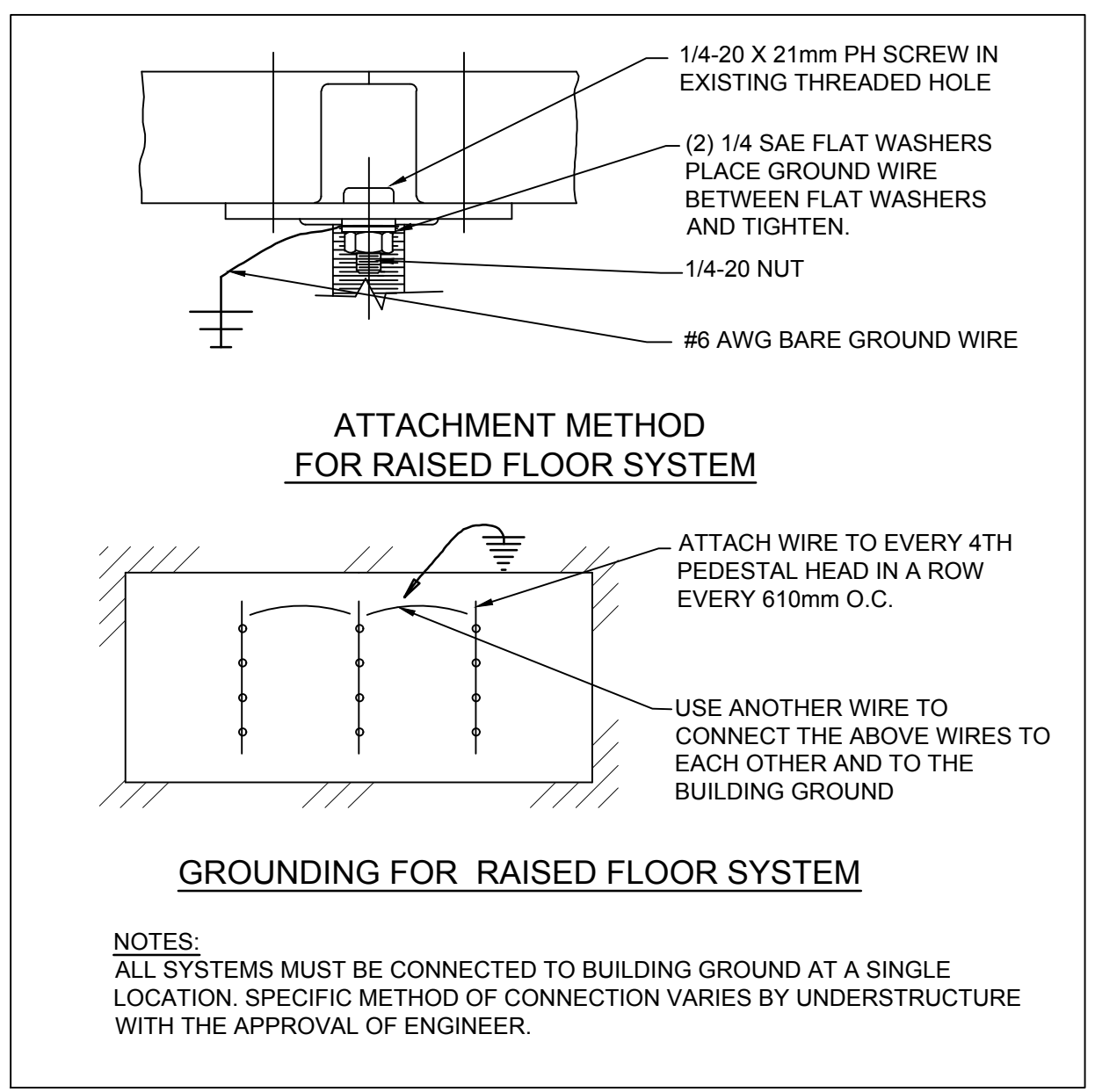
1 POWER DISTRIBUTION LAYOUT

GENERAL NOTES

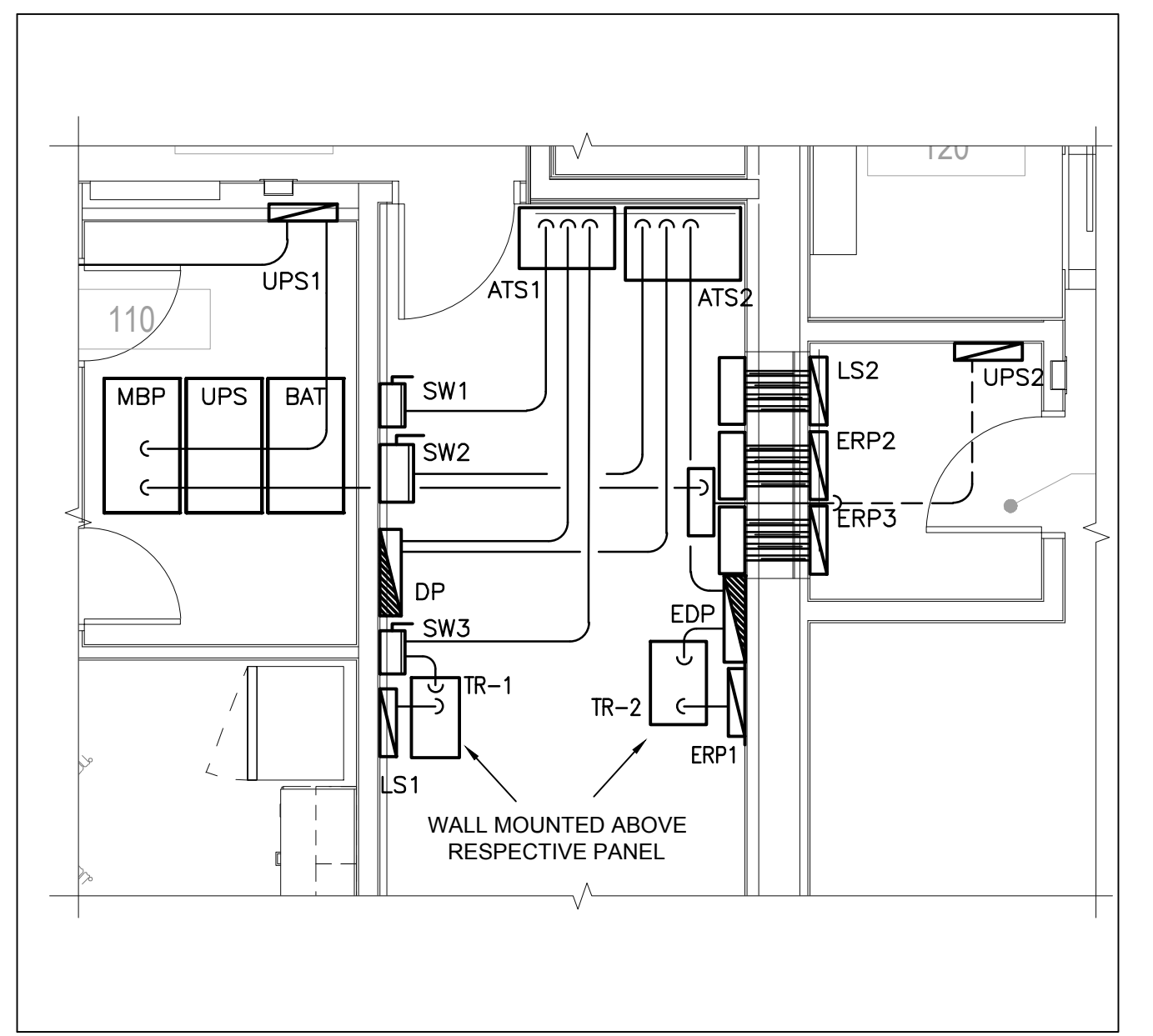
1. ALL ELECTRICAL WIRING TO BE 3 #12 AWG COPPER IN 21mm CONDUIT, UNLESS INDICATED OTHERWISE.
2. ALL EMPTY CONDUITS TO BE 27mm 'EMT' TYPE CONDUIT COMPLETE WITH PULL CORD, UNLESS INDICATED OTHERWISE.
3. ALL STC RATED WALL PENETRATIONS TO BE CONFIGURED WITH APPROPRIATE DIELECTRIC BREAKS FOR CONDUITS AND CABLE TRAYS, AS REQUIRED. REFER TO DETAIL 5 FOR CONSTRUCTION.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING HEIGHT OF DEVICES AND MATERIAL LAYOUT AS REQUIRED.
5. ANY AND ALL POWER CONDUCTORS, CONTROLS WIRING AND COMMUNICATIONS CABLING MUST BE FITTED WITH DI-ELECTRIC BREAK AND FEED / SIGNAL RF FILTERS OF APPROPRIATE CAPACITY WHEN CROSSING THE THRESHOLD WALL TO ROOM 129.
6. MECHANICAL DI-ELECTRIC BREAK, APPLY PROPER GROUNDING ON BOTH SIDES OF WALL TO ALL MECHANICAL DUCT WORKS AND PIPING DI-ELECTRIC BREAKS. REFER TO MECHANICAL DRAWINGS FOR LOCATION AND QUANTITY.

(X) DRAWING NOTES

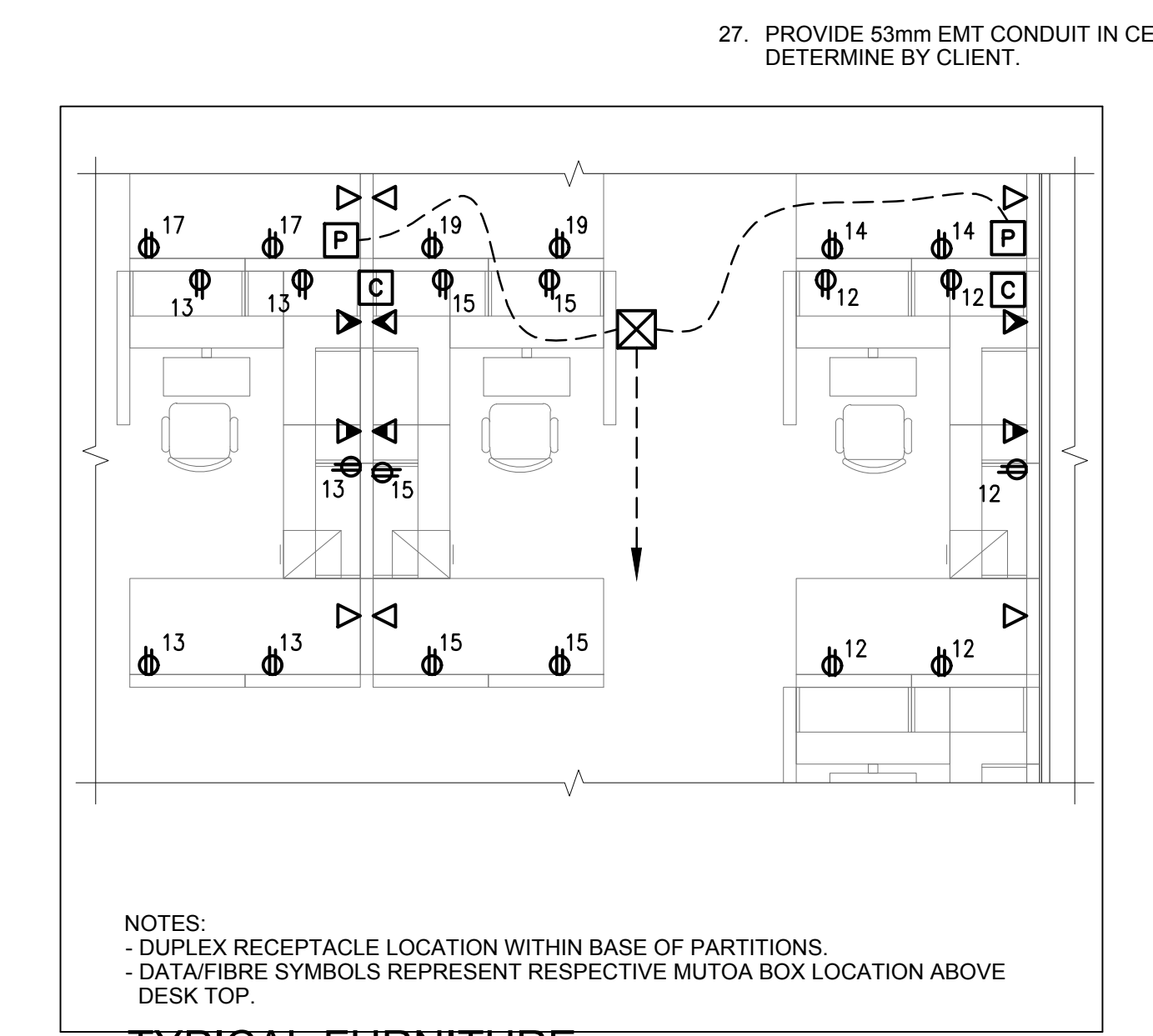
1. PROVIDE WALL MOUNT DUPLEX RECEPTACLE AT 400mm AFF WHERE SHOWN ON DRAWING COMPLETE WITH ALL ASSOCIATED WIRING AND CONDUIT. CONNECT TO CIRCUIT INDICATED.
2. ELECTRICAL POWER DISTRIBUTION SYSTEM GRID UNDER RAISED FLOOR. PROVIDE SURFACE MOUNTED ON SLAB EMT CONDUITS AND BRANCH JUNCTION BOXES TO SIZE AND QUANTITY AS INDICATED ON DRAWING.
3. PROVIDE A FLOOR MOUNT POKE-THROUGH TYPE DUPLEX RECEPTACLE OF TYPE AS INDICATED, INSTALLED FLUSH AND SECURED TO RAISED FLOOR PANEL AND CONNECT TO CIRCUIT INDICATED. (ACCEPTABLE MATERIAL: THOMAS & BETTS # T-449 OR APPROVED EQUIVALENT)
4. PROVIDE A FLOOR MOUNT ACCESS MODULE FOR POWER / COMMUNICATIONS / AUDIOVISUAL. FLUSH TO RAISED FLOOR PANEL. CONNECT RECEPTACLE TO CIRCUIT INDICATED. REFER TO DRAWING E300 FOR COMMUNICATIONS CABLING REQUIREMENTS.
5. PROVIDE RAISED FLOOR PANEL GROMMETS FOR FURNITURE SERVICES, ONE (1) FOR POWER AND TWO (2) FOR COMMUNICATIONS CABLING. CONNECTION WILL BE BASED ON FURNITURE SPECIFICATIONS AND LOCATION. INQUIRE TO RAISED FLOOR SUPPLIER FOR GROMMETS SUPPLY.
6. PROVIDE RAISED FLOOR FLEXIBLE AIR SEAL GROMMET OVER PASS-THROUGH CUTOUPS FOR ELECTRICAL WIRING IN SERVER ROOM TO MINIMIZE BYPASS AIRFLOW. LOCATION OF GROMMET TO BE DETERMINED ON SITE BASED ON COMMUNICATIONS RACKING SYSTEM. (ACCEPTABLE MATERIAL: PANDUIT MODEL COOL BOOT, RFG SERIES OR APPROVED EQUIVALENT)
7. PROVIDE 'EMT' CONDUITS UP THROUGH COLUMN FURRING TO CEILING SPACE AND REACHING OVER RF ENCLOSURE FOR POWER AND CONTROLS. TERMINATE CONDUIT SYSTEMS WITH INDIVIDUAL JUNCTION BOXES. COORDINATE PENETRATIONS AND CONNECTIONS OF SYSTEMS TO THE INSIDE OF RF SHIELDED ENCLOSURE AS INDICATED. REFER TO RF ENCLOSURE SPECIFICATIONS FOR DETAILS.
8. PROVIDE A 5-15R TYPE DUPLEX RECEPTACLE, MOUNTED IN CEILING SPACE AND/OR ON WALL BEHIND WALL MOUNT TV C/W ASSOCIATED WIRING AND CIRCUIT FOR TELEVISION.
9. PROVIDE AN OUTLET BOX C/W 21mm EMT CONDUIT AND COVER PLATE MOUNTED ABOVE CEILING SPACE FOR CABLE TV. PROVIDE A COAXIAL CABLE EXTENDING TO ETR ROOM 101 TO BE CONNECTED TO APPROPRIATE ELECTRONIC DEVICE. ELECTRONIC DEVICE PROVIDED BY CLIENT. PROVIDE FOR DI-ELECTRIC/RF FILTERING COAX CONNECTOR CABLE FOR ALL CABLE CROSSING AT THRESHOLD WALL. SEE GENERAL NOTE 5 ABOVE.
10. PROVIDE LEAK DETECTION DEVICE UNDER RAISED FLOOR SYSTEM C/W OUTLET BOX AND 21mm EMT CONDUIT CONNECTION TO SECURITY RACEWAY JUNCTION BOX. LEAK DETECTION SHALL BE OF 1220mm LEAK DETECTION CABLE TYPE WITH MINIMUM 1820mm LEAD CABLE, TO BE LAID ON FLOOR SLAB 3.0 m FROM FLOOR DRAINS.
11. PROVIDE GROUNDING SYSTEM FOR RAISED FLOOR STRUCTURE. REFER TO DETAIL '2' FOR INSTALLATION INSTRUCTION.
12. BACKING PLYWOOD BOARD BY ARCHITECTURE. PROVIDE WALL DUPLEX RECEPTACLE AT 400mm AFF, RECESSED MOUNT IN PLYWOOD COMPLETE WITH ALL ASSOCIATED WIRING AND CONDUIT. CONNECT TO CIRCUIT INDICATED.
13. PROVIDE A 78mm EMT CONDUIT RUN IN CEILING SPACE C/W CLIENT APPROVED LOCKABLE PULL BOXES (FAWCETT #SB161280) AND ASSOCIATED FITTINGS AS REQUIRED, INCLUDING REQUIRED DI-ELECTRIC BREAK CROSSING RF SHIELDED WALL THRESHOLD. SEE DETAIL '6/E600'. PROVIDE A 78mm WATERFALL CONDUIT STUB OVER CABLE TRAY IN ROOMS 101A AND 124.
14. PROVIDE LADDER TYPE CABLE TRAY C/W WATERFALL HORIZONTAL CABLE MANAGEMENT ABOVE H-FRAMES REACHING BOTH SIDES OF ETR/TR CAGE WALL IN ROOM 101. REFER TO DETAIL '1/E600'.
15. PROVIDE A DATA OUTLET BOX, ABOVE CEILING SPACE NEXT TO RECEPTACLE C/W 27mm EMT CONDUIT OVER AND DOWN COLUMN FURRING TO UNDERFLOOR SPACE FOR A DEDICATED PATHWAY BETWEEN FLOOR PODIUM TO CEILING PROJECTOR LOCATIONS. COORDINATE INSTALLATION WITH NOTE 4 ABOVE.
16. PROVIDE WALL MOUNT DUPLEX RECEPTACLE AT 400mm AFF, WITHIN COLUMN FURRING WHILE MAINTAINING STC RATING OF WALL COMPLETE WITH ALL ASSOCIATED WIRING AND CONDUIT. CONNECT TO CIRCUIT INDICATED. THIS FOR ALL RECEPTACLES AT THE FOUR (4) COLUMNS OF ROOM 121B ONLY.
17. PROVIDE ELECTRICAL CONNECTION TO HOT WATER TANK AS INDICATED. GAS HOT WATER TANK SUPPLIED AND INSTALLED BY DIVISION 22.
18. PROVIDE AN ELECTRICAL CONNECTION TO HOT WATER RE-CIRCULATION PUMP AND CONNECT TO CIRCUIT INDICATED.
19. POWER LINE RF FILTERS FOR ALL ELECTRICAL PANEL CONDUCTORS CROSSING THE THRESHOLD WALL IN MAIN ELECTRICAL ROOM. REFER TO GENERAL NOTE 5 AND DRAWING E601 FOR MORE DETAIL.
20. SHIELDED ROOM FIRE ALARM. PROVIDE 'EMT' CONDUIT REACHING OVER RF ENCLOSURE IN CEILING SPACE. TERMINATE CONDUIT SYSTEM WITH JUNCTION BOX. COORDINATE SYSTEM CONNECTIONS TO RF SHIELDED ROOM WITH ENCLOSURE CONTRACTOR. REFER TO RF ENCLOSURE SPECIFICATIONS FOR DETAILS.
21. PROVIDE ONE(1) FLOOR TILE COMMUNICATIONS GROMMET FOR TELECONFERENCE FURNITURE NEXT TO FLOOR MOUNT RECEPTACLE. SEE DRAWING E300 FOR CABLING REQUIREMENTS.
22. PROVIDE A 15A-120V ELECTRICAL CONNECTION FOR MECHANICAL POWER SUPPLY TO WASHROOM FIXTURES UNDER COUNTER, TO MECHANICAL VAV BOX CONTROLS AND MOTORIZED DAMPERS IN CEILING SPACE, AND CONNECT TO CIRCUIT INDICATED.
23. PROVIDE 347V BASEBOARD HEATER AT LOCATION SHOWN AND CONNECT TO CIRCUIT INDICATED. TEMPERATURE CONTROLS SUPPLIED AND INSTALLED BY DIVISION 23.
24. PROVIDE A 100A-2P PANELBOARD C/W 12 CIRCUITS INSIDE RF SHIELDED ENCLOSURE. CONNECT TO CIRCUIT INDICATED.
25. PROVIDE ELECTRICAL CONNECTION FOR A/C UNITS IN ROOM 124 TO CIRCUIT INDICATED. RACEWAY TO BE UNDER RAISED FLOOR C/W DI-ELECTRIC AND RF SHIELDING CROSSING THRESHOLD WALL VIA ROOM 129 FROM MAIN ELECTRICAL ROOM.
26. PROVIDE 2kW FORCE FLOW HEATERS IN LOBBIES 100, 140, 141 AND IN ROOM 107 C/W INTEGRATED THERMOSTAT AND CONNECT TO CIRCUIT INDICATED. FEEDERS TO AIRLOCKS 4 (140) AND 5 (141) TO BE FED FROM ABOVE, DOWN PENETRATING INSIDE ENCLOSURE TO UNIT SURFACE MOUNTED C/W POWER LINE FILTERS.
27. PROVIDE 53mm EMT CONDUIT IN CEILING SPACE FROM ETR ROOM 101 TO LINK ROOF ANTENNA WITH LOCAL ANTENNA IN ROOM 102. LOCATION TO BE DETERMINE BY CLIENT.



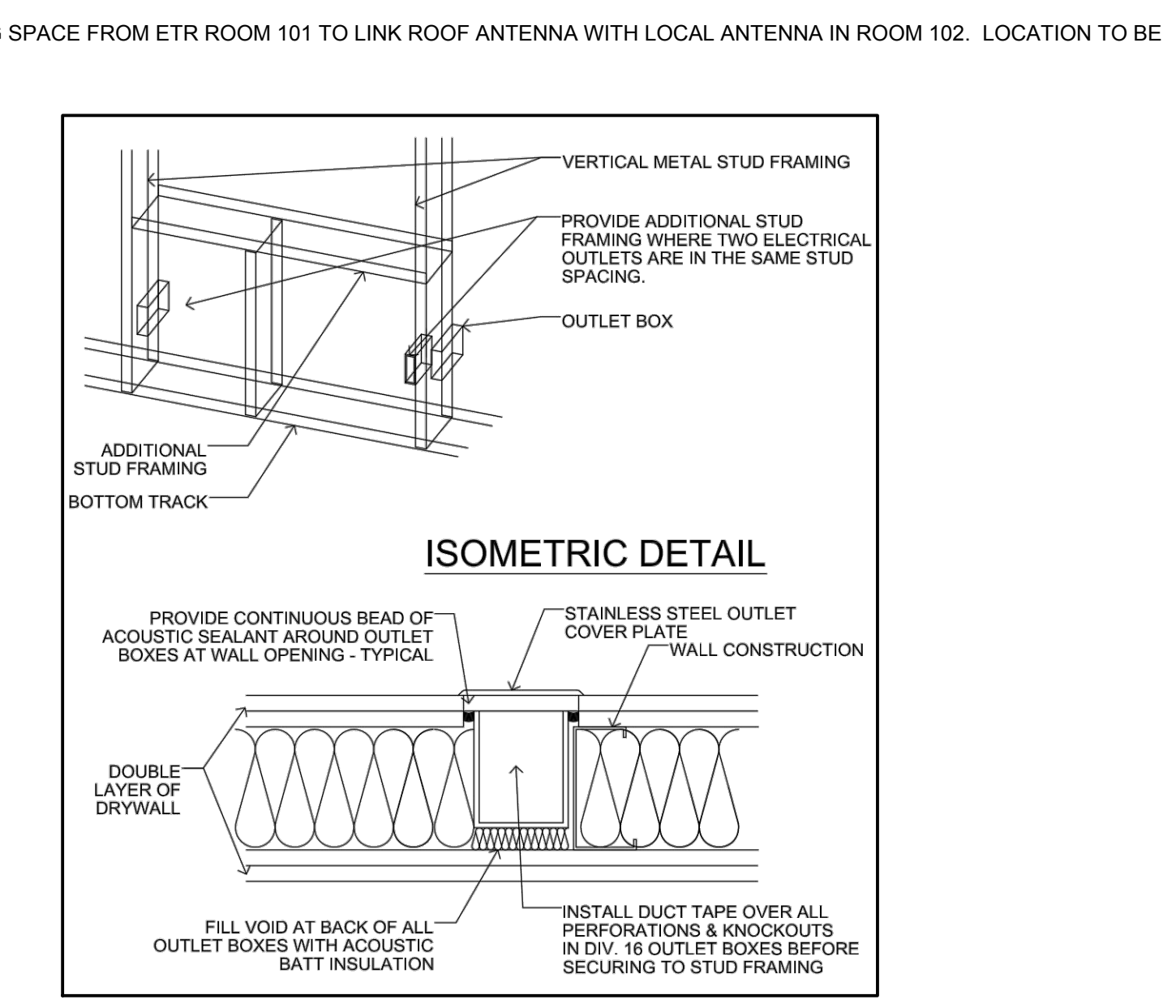
2 RAISED FLOOR GROUNDING/BONDING DETAIL
NOT TO SCALE



3 MAIN ELECTRICAL ROOM 117 LAYOUT
SCALE : 1 / 50



4 TYPICAL FURNITURE DATA / RECEPTACLE LAYOUT
SCALE : 1 / 50



5 TYPICAL WALL OUTLET BOX INSTALLATION DETAIL
SCALE : 1 / 50

DFS INC.
 architecture & design

Montréal, QC | 400 boul. de Maisonneuve O. Bur. 500
 Saint John, NB | Montréal (Québec) H3A 1L4
 T: (514) 879-1708 F: (514) 861-6219
 www.dfsarch.com

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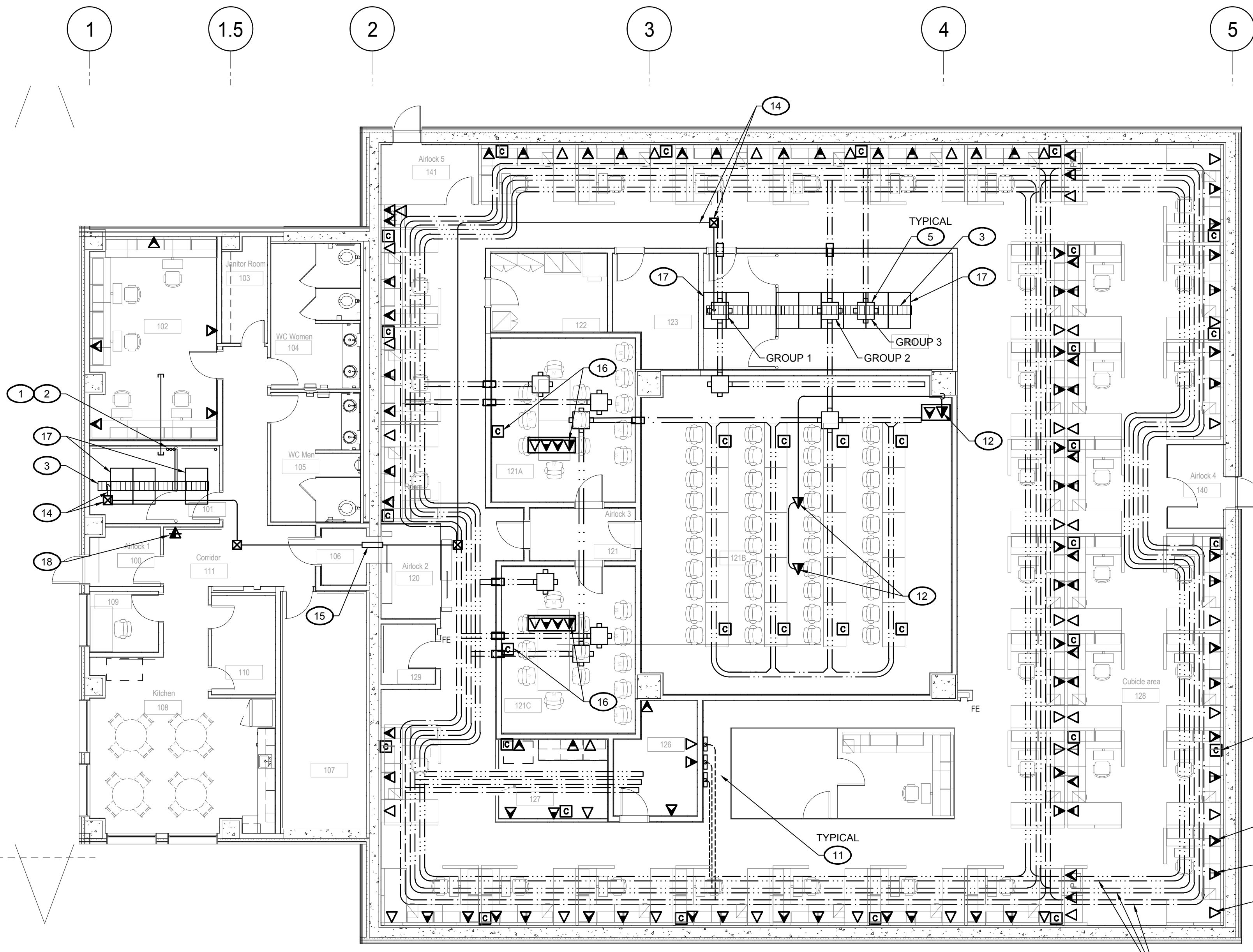
projet

BUILDING A PROJECT

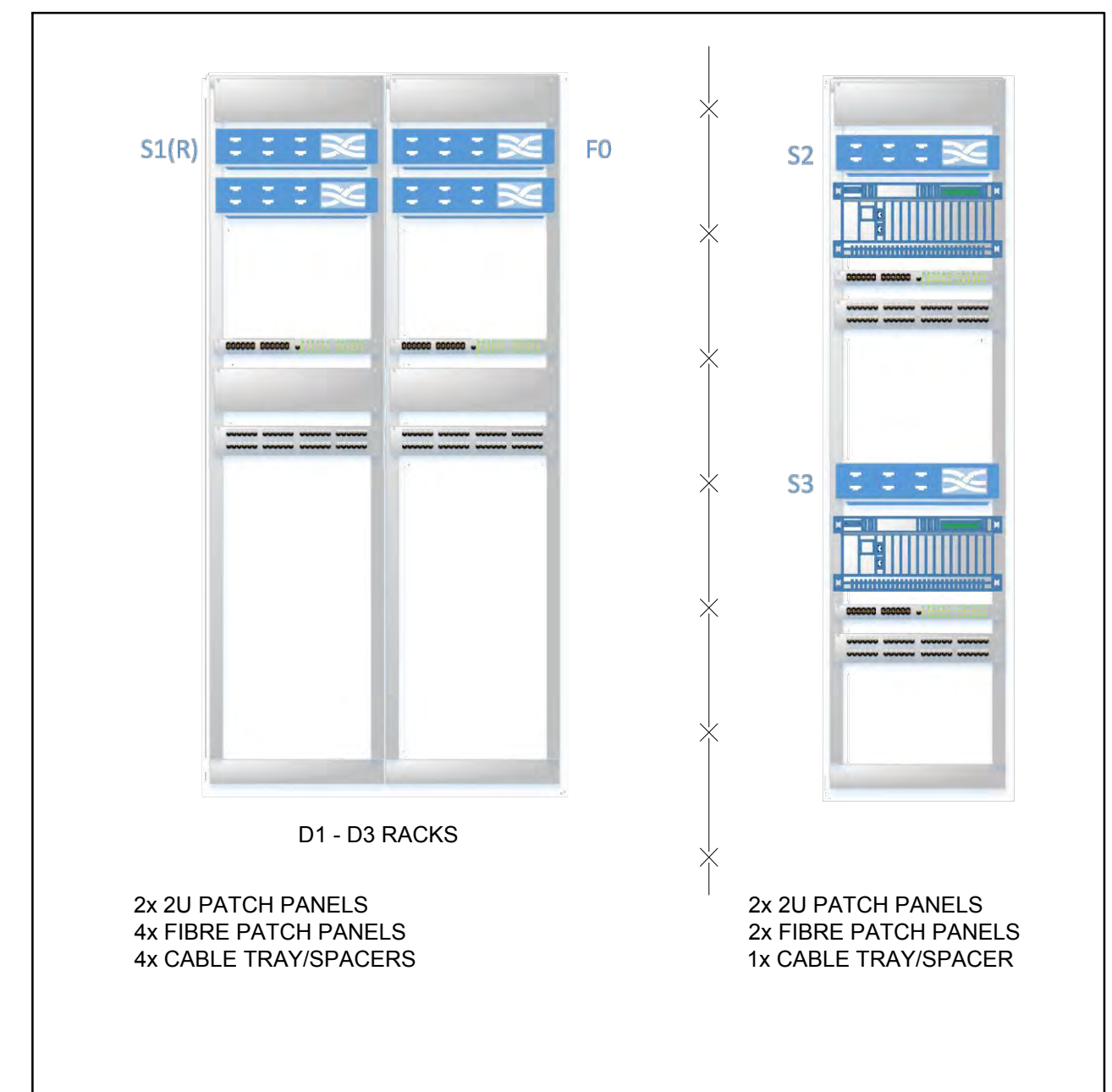
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| GROUND FLOOR PLAN POWER AND FIRE ALARM SYSTEM | | | |
| conception | S. Lavoie | no. dossier | A000566B |
| dessiné | Y. Farmer | projet no. | |
| approuvé | S. Lavoie | no. fichier | DAO |
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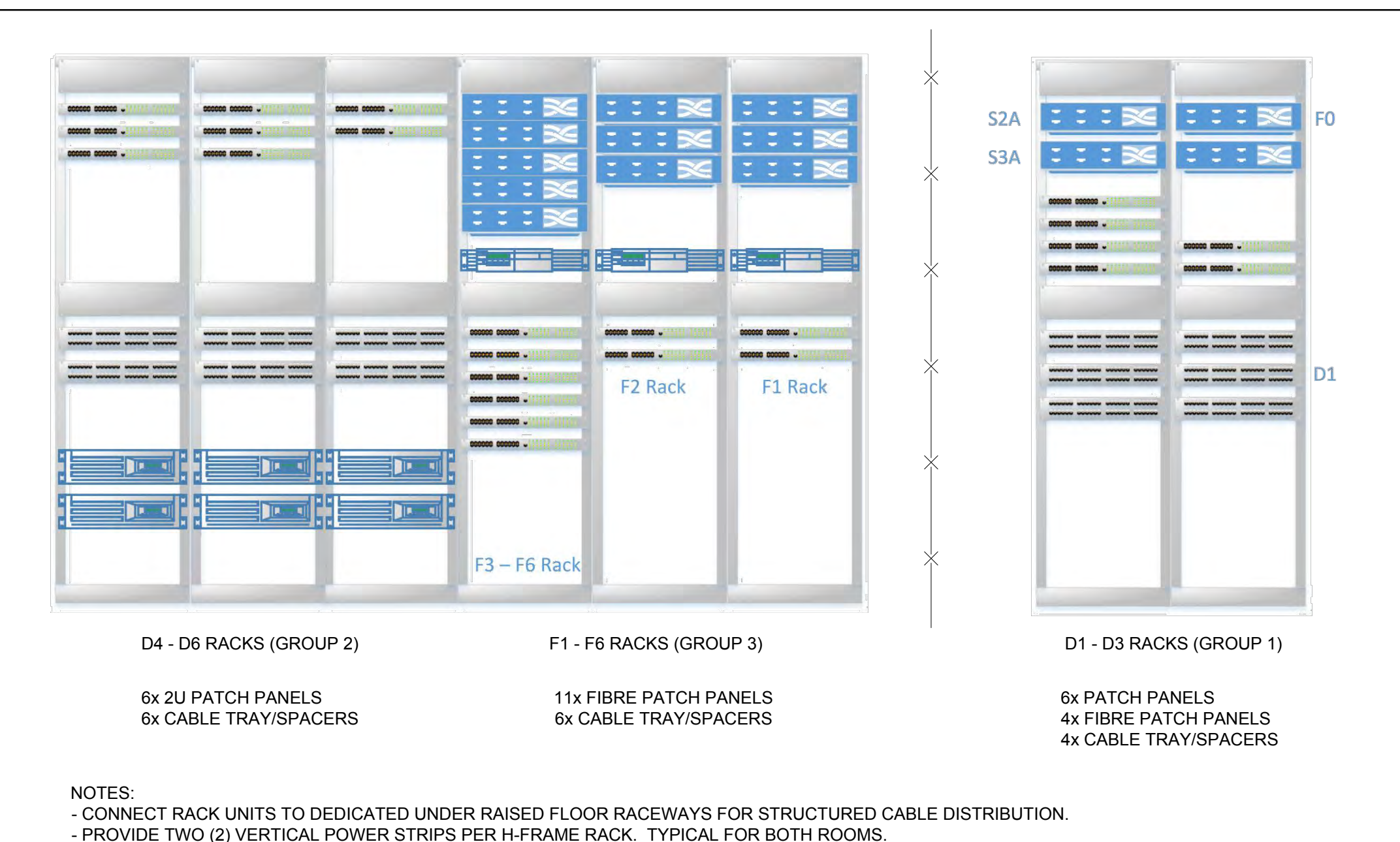
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1 COMMUNICATIONS LAYOUT



2 TYPICAL NETWORK RACK DETAIL - ROOM 101
NOT TO SCALE



3 TYPICAL NETWORK RACK DETAIL - ROOM 124
NOT TO SCALE

GENERAL NOTES

- ALL ELECTRICAL WIRING TO BE 3 #12 AWG COPPER OF 6x TYPE AND/OR IN 21mm CONDUIT, UNLESS INDICATED OTHERWISE.
- ALL EMPTY CONDUITS TO BE 27mm 'EMT' TYPE CONDUIT COMPLETE WITH PULL CORD, UNLESS INDICATED OTHERWISE.
- ALL STC RATED WALL PENETRATIONS TO BE CONFIGURED WITH APPROPRIATE DIELECTRIC BREAKS FOR CONDUITS AND CABLE TRAYS, AS REQUIRED.
- BASKET TRAY LOCATIONS ARE SUBJECT TO RAISED FLOOR SUPPORT STRUCTURES AND MECHANICAL AND ELECTRICAL SITE CONDITIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING HEIGHT OF DEVICES AND MATERIAL LAYOUT AS REQUIRED.
- ANY AND ALL POWER CONDUCTORS, CONTROLS WIRING AND COMMUNICATIONS CABLING MUST BE FITTED WITH DI-ELECTRIC AND RF LINE AND/OR SIGNAL FILTERS OF APPROPRIATE CAPACITY WHEN CROSSING THE THRESHOLD WALL.

DRAWING NOTES

- PROVIDE TWO (2) 12 STRAND OS2 SINGLE MODE OUTDOOR RATED FIBRE RUNS FROM FRONT AREA OF ROOM 101. EXTEND FIBRE CABLES TO MAIN BUILDING 405 VIA EXISTING COMMUNICATIONS DUCT/BANK RACEWAYS. TERMINATE AT DEDICATED PATCH PANEL IN FRONT AREA OF ROOM 101 WITH STANDARD LC CONNECTORS. ONE (1) DEDICATED CONDUIT FOR EACH FEED OUT TO COMMUNICATIONS RACEWAY. REFER TO DRAWING 'E200' FOR CONDUIT DETAILS AND OPTICAL KEYPLAN ON DRAWING 'E500'.
- PROVIDE ONE (1) 24 STRAND OS2 SINGLE MODE OUTDOOR RATED FIBRE FEED FROM FRONT AREA OF ROOM 101. EXTEND FIBRE CABLE TO MAIN BUILDING 405 VIA EXISTING COMMUNICATIONS DUCT/BANK RACEWAYS. TERMINATE AT DEDICATED PATCH PANEL AT BACK AREA OF ROOM 101 H-FRAME WITH STANDARD LC CONNECTORS. ONE (1) DEDICATED CONDUIT FOR FEED OUT TO COMMUNICATIONS RACEWAY. REFER TO DRAWING 'E200' FOR CONDUIT DETAILS AND OPTICAL KEYPLAN ON DRAWING 'E500'.
- OVERHEAD LADDER TYPE CABLE TRAY ABOVE H-FRAMES. REFER TO ELECTRICAL DRAWING 'E200' FOR DETAILS.
- CABLE TRAY INSTALLATION. PROVIDE THREE (3) DEDICATED 305 x 50mm BASKET TYPE CABLE TRAYS (GROUPS) C/W ASSOCIATED GROUNDING AND SUPPORT HARDWARE FOR COMPLETE SYSTEMS. BASKET TRAY ROUTES TO BE CLOSEST TO FURNITURE LOCATIONS WHERE FLOOR GROMMETS WILL BE INSTALLED. J-HOOKS AND WIRE WRAPS ARE NOT PERMITTED.
- PROVIDE RAISED FLOOR SINGLE TILE DROP-IN ENCLOSURE C/W ONE-PIECE MOUNTING BRACKETS AND COOL BOOT AIR SEALING GROMMETS AS CONSOLIDATION BOXES INLINE WITH CABLE TRAY AS SHOWN. ACCEPTABLE MATERIAL: PANDUIT 'PANZONE' MODEL #PZRFE4U WITH COPPER/FIBRE CONNECTIVITY OR APPROVED EQUIVALENT.
- STRUCTURED CABLING. PROVIDE ALL FIBRE AND DATA STRUCTURED CABLING IN RESPECTIVE UNDER FLOOR CABLE TRAYS GROUPING. REFER TO DATA / FIBRE CABLING SCHEDULE FOR STRUCTURED CABLE SPECIFICATIONS.
- GROUP 1 DATA DROPS. PROVIDE A DATA TYPE MUTOA BOX C/W COLOUR CODED RJ-45 CONNECTORS AT WORKSTATION, POSITIONED AT THIS LOCATION ABOVE DESK TOP. REFER TO 'GROUP 1' BASKET TRAY ON DATA/FIBRE CABLING SCHEDULE FOR REFERENCE. SEE 'E601' FOR DETAILS.
- GROUP 2 DATA DROPS. PROVIDE A DATA TYPE MUTOA BOX C/W COLOUR CODED RJ-45 CONNECTORS AT WORKSTATION, POSITIONED AT THIS LOCATION ABOVE DESK TOP. REFER TO 'GROUP 2' BASKET TRAY ON DATA/FIBRE CABLING SCHEDULE FOR REFERENCE. SEE 'E601' FOR DETAILS.
- GROUP 3 FIBRE DROPS. PROVIDE A FIBRE OPTICS TYPE MUTOA BOX C/W COLOUR KEYED LC FEMALE CONNECTORS AT WORKSTATION, POSITIONED AT THIS LOCATION ABOVE DESK TOP. REFER TO 'GROUP 3' BASKET TRAY ON DATA/FIBRE CABLING SCHEDULE FOR REFERENCE. SEE 'E601' FOR DETAILS.
- RAISED FLOOR PASS-THROUGH GROMMET FOR STRUCTURE CABLING.
- PROVIDE THREE (3) DEDICATED WALL MOUNT PATCH PANELS FOR FIBRE / DATA TRANSFER AT WAVEGUIDE LOCATIONS.
- PROVIDE A YELLOW CAT-6A SHIELDED TWISTED PAIR (STP) 3M AND YELLOW RJ-45 CONNECTORS FROM PODIUM TO CEILING PROJECTOR LOCATIONS FOR A DIRECT AUDIO VISUAL (AV) CONNECTION. PROVIDE EXTRON HDMI TRANSMITTER / RECEIVER SET AT PODIUM AND PROJECTOR LOCATIONS. REFER TO DRAWING E200 FOR CONDUIT DETAILS.
- PROVIDE A DI-ELECTRIC TYPE BREAK FOR CABLE TRAY/CONDUIT TRANSITION AT ALL DEMISING WALL CABLE TRAY PENETRATIONS. REFER TO DETAIL 'E/600' FOR STC RATING INFORMATION.
- PROVIDE BACKBONE OPTICAL CABLING AS DESCRIBED IN DATA / FIBRE CABLING SCHEDULE USING THE CEILING CONDUIT RACEWAY BETWEEN ROOMS 101 AND 124. REFER TO DRAWING E200 FOR CONDUIT INSTALLATION.
- PROVIDE DI-ELECTRIC BREAK AS PER DETAIL 'E/600' AND THE USE OF WAVEGUIDE FILTER PASS-THROUGHS FOR PRE-TERMINATED FIBRE OPTIC CABLES AT WALL THRESHOLD PENETRATION.
- PROVIDE A YELLOW CAT-6A SHIELDED TWISTED PAIR (STP) 3M AND YELLOW RJ-45 CONNECTORS BETWEEN MEETING TABLE AND 'AVTEQ ELT-2000' VIDEO TELECONFERENCE FURNITURE VIA UNDER RAISED FLOOR. PROVIDE EXTRON HDMI TRANSMITTER / RECEIVER SET AT TABLE AND FURNITURE LOCATIONS.
- PROVIDE ALL REQUIRED STANDARD FORMAT NETWORK H-FRAME RACKING SYSTEMS AS PRESENTED IN DETAIL '2/E300' AND '3/E300' C/W CABLE MANAGEMENT, PATCH PANELS, VERTICAL POWER STRIPS AND ASSOCIATED HARDWARE AND GROUNDING/BONDING TO CODE IN ROOMS 101 AND 124.
- PROVIDE A DATA DROP ADJACENT TO TV RECEPTACLE AND COAXIAL OUTLET BOXES BEHIND WALL MOUNTED TELEVISION.

DATA / FIBRE CABLING SCHEDULE

| NETWORK SYSTEM | NETWORK NAME | PATCH PANELS | NETWORK PATCH CABLING | DESKTOP PATCH CABLING | CABLING SPECIFICATIONS |
|---------------------------------|-----------------------|--------------------------|---|---|---|
| ▽ | GROUP 1 - BASKET TRAY | | | | |
| DATA 1 | D1 | 48 PORT CAT-6A | CAT-6A STP GREY 3M - 1 PER CONNECTION | CAT-6A STP GREY 5M - 1 PER CONNECTION | CAT-6A SHIELDED TWISTED PAIR GREY - WHITE CONNECTORS |
| DATA 2 | D2 | 48 PORT CAT-6A | CAT-6A STP BLUE 3M - 1 PER CONNECTION | CAT-6A STP BLUE 5M - 1 PER CONNECTION | CAT-6A SHIELDED TWISTED PAIR BLUE - BLUE CONNECTORS |
| DATA 3 | D3 | 48 PORT CAT-6A | CAT-6A STP GREEN 3M - 1 PER CONNECTION | CAT-6A STP GREEN 5M - 1 PER CONNECTION | CAT-6A SHIELDED TWISTED PAIR GREEN - GREEN CONNECTORS |
| ▽ | GROUP 2 - BASKET TRAY | | | | |
| DATA 4 | D4 | 48 PORT CAT-6A | CAT-6A STP RED 3M - 1 PER CONNECTION | CAT-6A STP RED 5M - 1 PER CONNECTION | CAT-6A SHIELDED TWISTED PAIR RED - RED CONNECTORS |
| DATA 5 | D5 | 48 PORT CAT-6A | CAT-6A STP WHITE 3M - 1 PER CONNECTION | CAT-6A STP WHITE 5M - 1 PER CONNECTION | CAT-6A SHIELDED TWISTED PAIR WHITE - BLACK CONNECTORS |
| DATA 6 | D6 | 48 PORT CAT-6A | CAT-6A STP YELLOW 3M - 1 PER CONNECTION | CAT-6A STP YELLOW 5M - 1 PER CONNECTION | CAT-6A SHIELDED TWISTED PAIR YELLOW - YELLOW CONNECTORS |
| ▽ | GROUP 3 - BASKET TRAY | | | | |
| FIBRE 1 | F1 | 24 STRAND LC - LC OM4 MM | STANDARD LC - STANDARD LC - RED JACKET - 3M - 1 PER CONNECTION | RED KEYED LC - ST 5M - 1 PER CONNECTION | OM4 FT-6 50UM MULTIMODE ZIPCORD RED JACKET - TERMINATE WITH STANDARD LC FEMALE CONNECTORS AT RACK UNIT PATCH PANEL AND BELDEN RED KEYED LC FEMALE CONNECTORS DESKTOP |
| FIBRE 2 | F2 | 24 STRAND LC - LC OM4 MM | STANDARD LC - STANDARD LC - BLUE JACKET - 3M - 1 PER CONNECTION | BLUE KEYED LC - ST 5M - 1 PER CONNECTION | OM4 FT-6 50UM MULTIMODE ZIPCORD BLUE JACKET - TERMINATE WITH STANDARD LC FEMALE CONNECTORS AT RACK UNIT PATCH PANEL AND BELDEN BLUE KEYED LC FEMALE CONNECTORS DESKTOP |
| FIBRE 3 | F3 | 24 STRAND LC - LC OM4 MM | STANDARD LC - STANDARD LC - BLACK JACKET - 3M - 1 PER CONNECTION | BLACK KEYED LC - ST 5M - 1 PER CONNECTION | OM4 FT-6 50UM MULTIMODE ZIPCORD BLACK JACKET - TERMINATE WITH STANDARD LC FEMALE CONNECTORS AT RACK UNIT PATCH PANEL AND BELDEN BLACK KEYED LC FEMALE CONNECTORS DESKTOP |
| FIBRE 4 | F4 | 24 STRAND LC - LC OM4 MM | STANDARD LC - STANDARD LC - GREEN JACKET - 3M - 1 PER CONNECTION | GREEN KEYED LC - ST 5M - 1 PER CONNECTION | OM4 FT-6 50UM MULTIMODE ZIPCORD GREEN JACKET - TERMINATE WITH STANDARD LC FEMALE CONNECTORS AT RACK UNIT PATCH PANEL AND BELDEN GREEN KEYED LC FEMALE CONNECTORS DESKTOP |
| FIBRE 5 | F5 | 24 STRAND LC - LC OM4 MM | STANDARD LC - STANDARD LC - ROSE JACKET - 3M - 1 PER CONNECTION | ROSE KEYED LC - ST 5M - 1 PER CONNECTION | OM4 FT-6 50UM MULTIMODE ZIPCORD ROSE JACKET - TERMINATE WITH STANDARD LC FEMALE CONNECTORS AT RACK UNIT PATCH PANEL AND BELDEN ROSE KEYED LC FEMALE CONNECTORS DESKTOP |
| FIBRE 6 | F6 | 24 STRAND LC - LC OM4 MM | STANDARD LC - STANDARD LC - ORANGE JACKET - 3M - 1 PER CONNECTION | ORANGE KEYED LC - ST 5M - 1 PER CONNECTION | OM4 FT-6 50UM MULTIMODE ZIPCORD ORANGE JACKET - TERMINATE WITH STANDARD LC FEMALE CONNECTORS AT RACK UNIT PATCH PANEL AND BELDEN ORANGE KEYED LC FEMALE CONNECTORS DESKTOP |
| BACKBONE OPTICAL CABLING | | | | | |
| FIBRE 0 | F0 | 24 STRAND LC - LC OM4 MM | STANDARD LC - STANDARD LC - 3M - 2 PER CONNECTION | STANDARD LC - STANDARD LC - 3M - 2 PER CONNECTION | 24 STRAND OM4 FT-6 50UM VIOLET MULTIMODE ZIPCORD (NON-ARMOURD SHEATH) - TERMINATE WITH STANDARD LC CONNECTORS AT BOTH PATCH PANELS - FIBRE CABLE CONDUIT PATHWAY - FROM ROOM 101 TO ROOM 124 RACK 1 - F0 FD |
| SINGLE 1 | S1 | 24 STRAND LC - LC OS2 5M | STANDARD LC - STANDARD LC - N/A | STANDARD LC - STANDARD LC - N/A | OM4 OS2 OM4 OUTDOOR RATED FIBRE BACKBONE CABLING - 24 STRAND LC (BUILDING 405 - ROOM 1316 TO ROOM 101 TOP PATCH PANEL) |
| SINGLE 1R | S1R | 24 STRAND LC - LC OS2 5M | STANDARD LC - STANDARD LC - N/A | STANDARD LC - STANDARD LC - N/A | OM4 OS2 OM4 OUTDOOR RATED FIBRE BACKBONE CABLING - 24 STRAND LC (TPOF REDUNDANT FIBRE FEED - SERVICE PROVISIONING LOCATION TPO TO ROOM 101 PATCH PANEL) |
| SINGLE 2 | S2 | 24 STRAND LC - LC OS2 5M | STANDARD LC - STANDARD LC - N/A | STANDARD LC - STANDARD LC - N/A | OM4 OS2 OM4 OUTDOOR RATED FIBRE BACKBONE CABLING - 24 STRAND LC (ETR BELL PANEL FROM BUILDING 405) |
| SINGLE 2A | S2A | 12 STRAND LC - LC OS2 5M | STANDARD LC - STANDARD LC - N/A | STANDARD LC - STANDARD LC - N/A | OM4 OS2 OM4 INDOOR RATED FIBRE CABLING - 12 STRAND LC (101 PATCH PANEL TO 124 PATCH PANEL NON-ARMOURD SHEATH) |
| SINGLE 3 | S3 | 24 STRAND LC - LC OS2 5M | STANDARD LC - STANDARD LC - N/A | STANDARD LC - STANDARD LC - N/A | OM4 OS2 OM4 OUTDOOR RATED FIBRE BACKBONE CABLING - 24 STRAND LC (ETR ROGERS PANEL FROM BUILDING 405) |
| SINGLE 3A | S3A | 12 STRAND LC - LC OS2 5M | STANDARD LC - STANDARD LC - N/A | STANDARD LC - STANDARD LC - N/A | OM4 OS2 OM4 INDOOR RATED FIBRE CABLING - 12 STRAND LC (101 PATCH PANEL TO 124 PATCH PANEL NON-ARMOURD SHEATH) |

NOTES:
- CONNECT RACK UNITS TO DEDICATED UNDER RAISED FLOOR RACEWAYS FOR STRUCTURED CABLE DISTRIBUTION.
- PROVIDE TWO (2) VERTICAL POWER STRIPS PER H-FRAME RACK. TYPICAL FOR BOTH ROOMS.

DFS INC.
architecture & design
Montréal, QC | 400 boul. de Maisonneuve O. Bur. 500
Saint John, NB | Montréal (Québec) H3A 1L4
T: (514) 879-1708 F: (514) 861-6219
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project
BUILDING A PROJECT

dessin drawing
GROUND FLOOR COMMUNICATIONS LAYOUT

| conception | conception | no. dossier | project no. |
|------------|------------|---------------|-------------|
| S. Lavoie | drawn | A000566B | |
| Y. Farmer | approved | A000566B-E300 | |
| S. Lavoie | approved | client | 7207528 |

1 : 100
February 2, 2018
E300

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