

LIGHTING PLAN - LEVEL 1

SCALE : 1:100

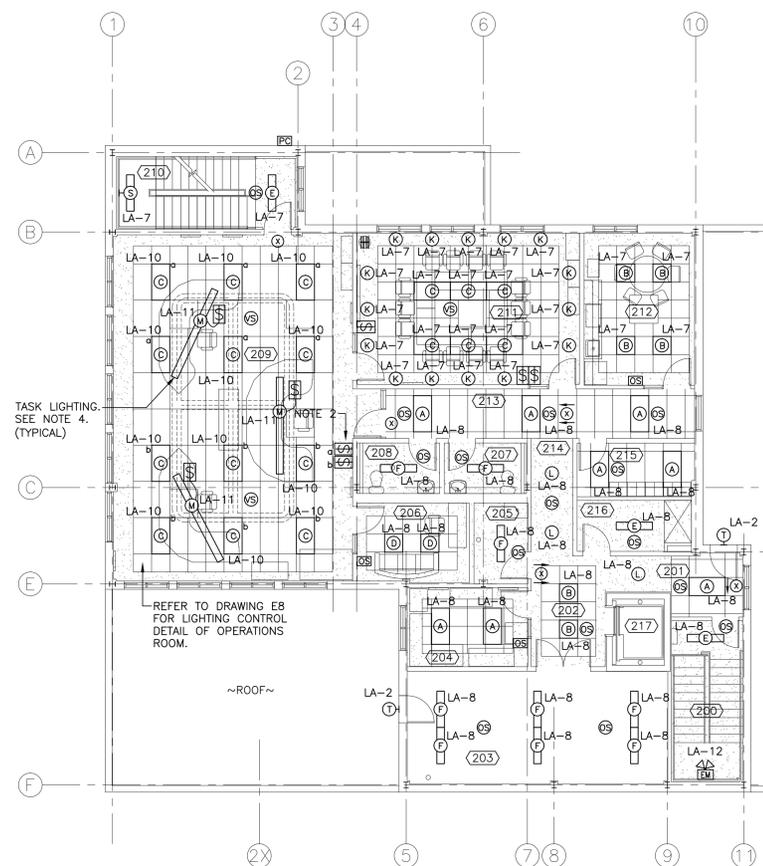
ROOM NAME LIST - LEVEL 1

- 100 VESTIBULE
- 101 LOBBY
- 102 RECEPTION
- 103 CORRIDOR
- 104 SHARED EQUIPMENT (COPIER)
- 105 E&I HEATED STORAGE
- 106 LAN ROOM
- 107 E&I ELECTRONICS EQUIPMENT ROOM
- 108 STAIR #2
- 109 MOCK-UP SPACE
- 110 WORKSPACE - DIRTY
- 111 MCTS STORAGE
- 112 CORRIDOR
- 113 VESTIBULE
- 114 E&I CLEAN WORKSHOP
- 115 WORKSTATION #1
- 116 WORKSTATION #2
- 117 PERSONAL STORAGE AREA
- 118 WORKSTATION #3
- 119A WORKSTATION #4
- 119 PACS SOLDERING STATION
- 120 INNAV TECH/AUTOCAD
- 121 STORAGE
- 122 GENERATOR ROOM
- 123 ELECTRICAL ROOM
- 124 KITCHEN
- 125 WATER ENTRY
- 126 RECYCLING
- 127 STAIR #1
- 128 CORRIDOR
- 128A CORRIDOR
- 129 UNIVERSAL WASHROOM
- 130 JANITOR
- 131 UNIVERSAL WASHROOM
- 132 ELEVATOR

ROOM NAME LIST - LEVEL 2

- 200 STAIR #1
- 201 CORRIDOR
- 202 LOBBY
- 203 MECHANICAL ROOM
- 204 MCTS OFFICE
- 205 JANITOR
- 206 MCTS DEBRIEF
- 207 UNIVERSAL WASHROOM
- 208 UNIVERSAL WASHROOM
- 209 MCTS OPERATIONS ROOM
- 210 STAIR #2
- 211 SHARED BOARDROOM/TRAINING
- 212 MCTS KITCHEN
- 213 CORRIDOR
- 214 CORRIDOR
- 215 MCTS LOCKER ROOM
- 216 SHOWER ROOM
- 217 ELEVATOR

NOTE:
1. EXIT LIGHTS ON LEVEL 1 AND LEVEL 2; CIRCUITS LA-12 AND LA-13

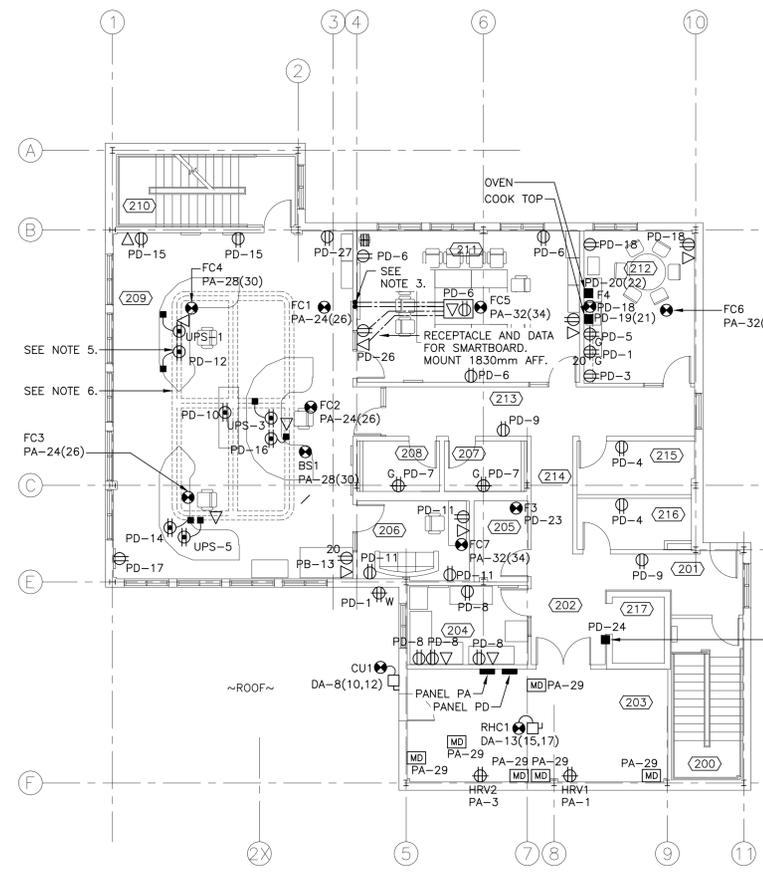


LIGHTING PLAN - LEVEL 2

SCALE : 1:100

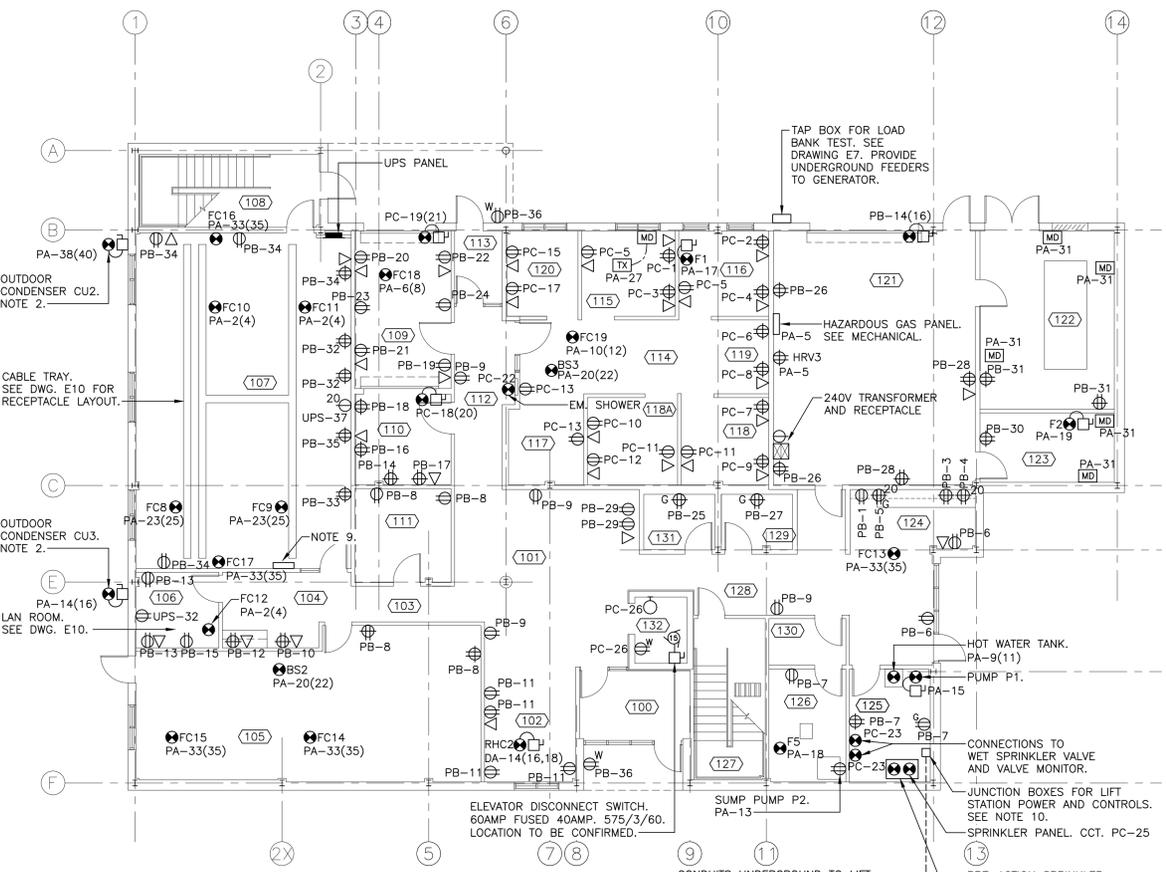
NOTES:

1. RECEPTACLES MOUNTED ON CABLE TRAY FOR EQUIPMENT RACKS IN RM 114, 15A, 120V TWISTLOCK L5-15R WITH MATCHING PLUG CONNECTOR.
2. MECHANICAL UNITS FC16 AND FC17 ARE POWERED FROM CONDENSERS C2 AND C3.
3. CONDUITS UNDER FLOOR: 21mm FOR POWER, 21mm FOR VOICE/DATA, EMPTY 21mm TO TERMINATE IN 1-GANG BOX 1830mm ABOVE FLOOR FOR SMARTBOARD CONNECTIONS. CONFIRM LOCATIONS ON SITE.
4. TYPE 'M' TASK LIGHTING. SUSPENDED 2100mm ABOVE FLOOR WITH AIRCRAFT CABLE, WITH WIRELESS REMOTE CONTROL AT EACH CONSOLE. ATTACH TO T-BAR AND PROVIDE ADDITIONAL T-BAR SUPPORTS WHERE FIXTURES ARE LOCATED. CONTROL UNIT FOR MANUAL ON/OFF AND DIMMING TO 1%. ATTACH TO CONSOLE AS DIRECTED ON SITE.
5. RECEPTACLES IN FLOOR SPACE, ROOM 209, TO BE WIRED WITH BX ARMORED CABLE. TERMINATE 19mm CONDUIT IN 103mm SQ BOXES IN CENTER OF CONSOLE LOCATIONS AND MAKE FINAL CONNECTIONS TO RECEPTACLES WITH 2M BX ARMORED CABLE. LOCATE RECEPTACLES IN VERTICAL POSITION AS DIRECTED ON SITE.
6. CABLE TRAY IN ACCESSIBLE FLOOR SPACE: TWO ROWS OF 150mm x 55mm DEEP c/w SPLICE FITTINGS, 20mm HIGH MOUNTING BASE, 90° BRACKETS FOR BENDS AND T-CONNECTIONS. PROVIDE ALL MISCELLANEOUS COMPONENTS, BOLTS AND FITTINGS FOR A COMPLETE SYSTEM.
7. OCCUPANCY SENSORS FOR ROOMS WITH EXPOSED CEILING: PROVIDE MOUNTING BRACKETS TO POSITION SENSORS BELOW BOTTOM OF JOIST AND BEAMS.
8. EXACT POSITIONING OF CEILING VACANCY AND OCCUPANCY SENSORS TO BE DETERMINED ON SITE TO SUIT CONDITIONS AND PROVIDE THE MOST EFFICIENT OPERATION.
9. PANEL FOR CCTV SYSTEM. CONFIRM LOCATION ON SITE BEFORE ROUGH-IN.
10. SEWAGE LIFT STATION REQUIREMENTS. PROVIDE JUNCTION BOX FOR POWER WIRING TO CHANGE FROM EMT TO PVC. PROVIDE SEPARATE JUNCTION BOX FOR CONTROL WIRING AND INSTALL 27mm PVC CONDUIT TO LIFT STATION CONTROL PANEL. COORDINATE WITH LIFT STATION SUPPLIER.



POWER PLAN - LEVEL 2

SCALE : 1:100



POWER PLAN - LEVEL 1

SCALE : 1:100

LIGHTING CONTROL - ROOMS 114 TO 120

- ON ENTRY TO CENTRAL CORRIDOR ROOM 120, THREE FIXTURES WILL AUTOMATICALLY TURN ON VIA CEILING MOUNTED OCCUPANCY SENSOR AND WILL AUTOMATICALLY TURN OFF AFTER A PREDETERMINED UNOCCUPIED PERIOD.
- EACH CUBICLE (114, 115, 116, 117, 118, 119 AND 120) WILL HAVE INDIVIDUAL CONTROL OF THE LIGHTS IN EACH RESPECTIVE SPACE. ON/OFF/DIM. EACH WIRELESS DIMMER SWITCH WILL CONTROL A POWER PACK MOUNTED ON THE CEILING AND THE FIXTURES WILL BE WIRED THROUGH A VACANCY SENSOR TO TURN ALL CUBICLE LIGHTS OFF WHEN SPACE IS UNOCCUPIED.
- DIMMER SWITCHES WILL BE ATTACHED TO THE CUBICLE WALL AS DIRECTED ON SITE.
- FIXTURES IN CUBICLES SUSPENDED 2200mm AFF. ON AIRCRAFT CABLE.
- LOCATION OF POWER PACKS TO BE DETERMINED ON SITE TO SUIT THE EXPOSED STRUCTURE. PROVIDE MOUNTING ATTACHMENTS AS REQUIRED.

LIGHTING CONTROL - ROOM 211

- WIRELESS MANUAL DIMMER CONTROLLERS AT EACH ENTRANCE, SEPARATE FOR TYPE 'C' AND TYPE 'K' FIXTURES. ON/OFF AND DIM TO 1%.
- VACANCY SENSOR TO TURN OFF LIGHTS WHEN SPACE IS UNOCCUPIED.
- PROVIDE POWER PACKS IN CEILING SPACE FOR 1% DIMMING.

LIGHTING CONTROL - CORRIDOR

- LIGHT FIXTURES WILL REMAIN ON CONTINUOUSLY.
- FIXTURES TO DIM 50% WHEN UNOCCUPIED.

LIGHTING CONTROL - STAIRS

- LIGHT FIXTURES WILL REMAIN ON CONTINUOUSLY.
- BUILT-IN SENSORS TO DIM LIGHTS TO 50% WHEN UNOCCUPIED.



C	ISSUED FOR TENDER	JUN 28 2017
B	ISSUED FOR 99% REVIEW	MAY 25 2017
A	ISSUED FOR CLIENT REVIEW	APR 28 2017

MCTS CENTRE
PORT AUX BASQUES

ELECTRICAL
LIGHTING AND
POWER PLANS

designed	D2	conçu
date	JUNE 28 2017	
drawn		dessiné
date	JUNE 28 2017	
approved	JB	approuvé
date	JUNE 28 2017	
Tender	G.P. MacGillivray July 14/17	Submission
Project Manager	Administrateur des Projets TPSSC	
project number		no. du projet
	R.082780.004	
drawing no.	E3	no. du dessin