

ROOM NAME LIST - LEVEL 1

100	VESTIBULE
101	LOBBY
102	RECEPTION
103	ELECTRICAL
104	MCTS OIC
105	KITCHEN
106	JANITOR
107	WATER ENTRY
108	LAN ROOM
109	RECYCLING
110	CORRIDOR
111	SHARED EQUIPMENT (COPIER)
112	MCTS STORAGE
113	WORKSHOP - DIRTY
114	E&I ELECTRONICS EQUIPMENT ROOM
115	STAIR #2
116	MOCK-UP SPACE
117	VESTIBULE
118	CORRIDOR
119	PERSONAL STORAGE AREA
120	E&I CLEAN WORKSHOP
121	PACE SOLDERING STATION
122	WORKSTATION #1
123	WORKSTATION #2
124	WORKSTATION #3
125	INNAV TECH/AUTOCAD
126	WORKSTATION #4
127	WORKSTATION #5
128	WASHROOM
129	WASHROOM
130	CORRIDOR
131	STAIR #1

ROOM NAME LIST - LEVEL 2

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

D	ISSUED FOR TENDER	JUL 13 2017
C	ISSUED FOR TENDER	JUN 28 2017
B	ISSUED FOR 99% REVIEW	MAY 25 2017
A	ISSUED FOR CLIENT REVIEW	APR 28 2017

revisions	date
project	project

MCTS CENTRE AND C&P BUILDING
PLACENTIA

drawing design

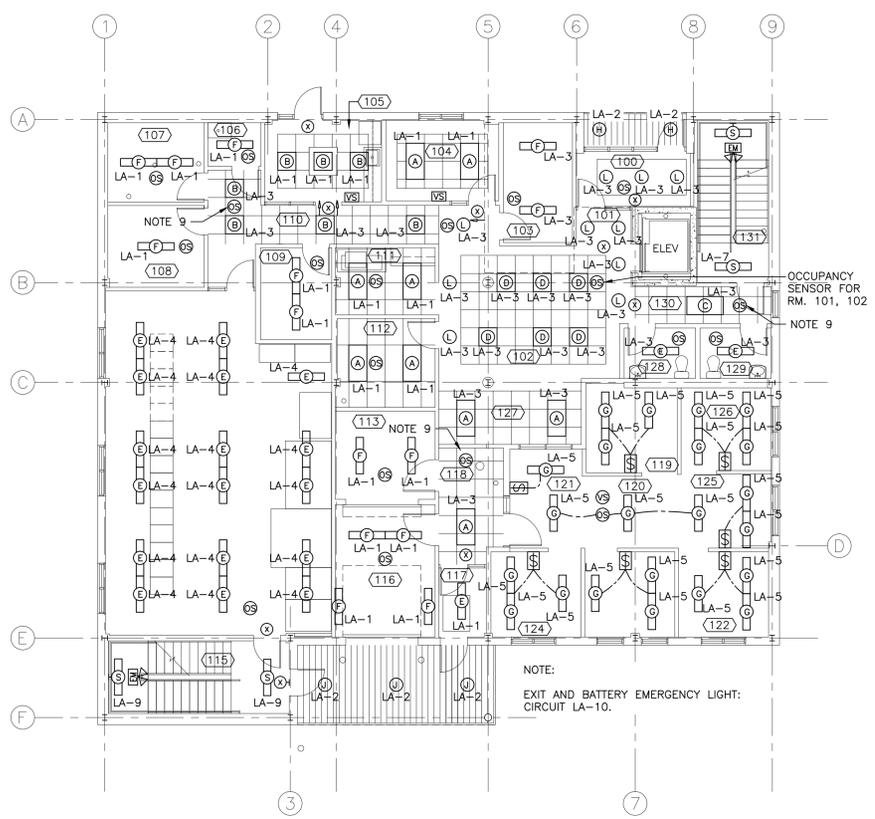
MCTS CENTRE ELECTRICAL LIGHTING AND POWER PLANS

designed	D2	congr
date	2017-07-14	
drawn	[Signature]	dessiné
date	2017-07-14	
approved	[Signature]	approuvé
date	2017-07-14	

Tender: g.f. macgillivray July 14/17
Project Manager: Admin. Directeur de Projets TPSC
Project number: no. du projet

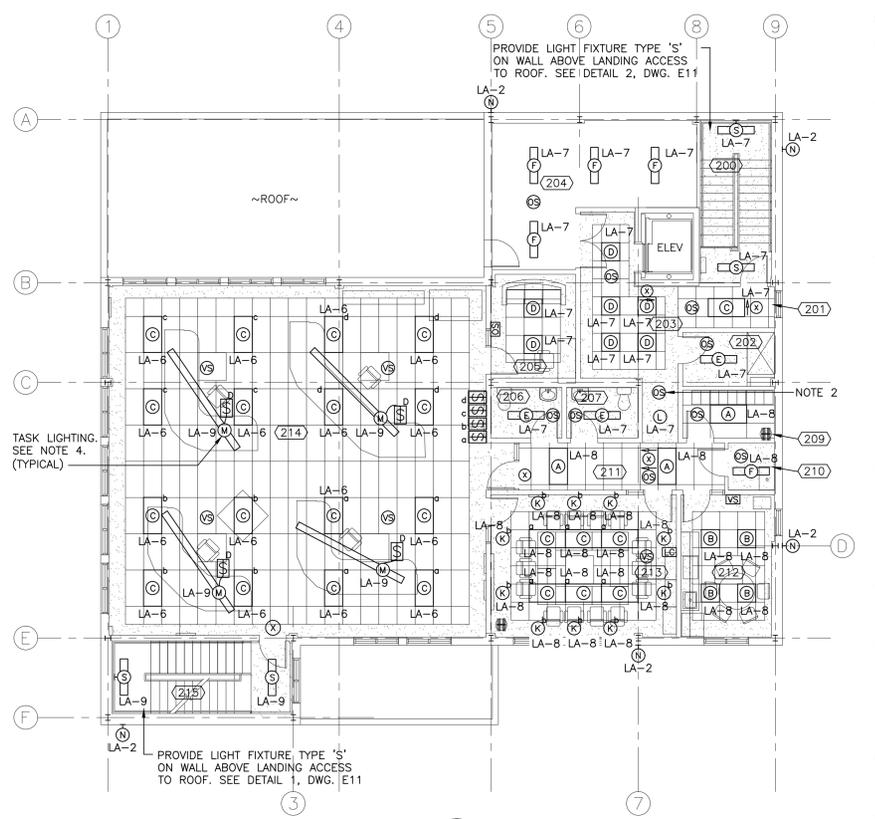
R.081781.004

drawing no. no. du dessin
E4



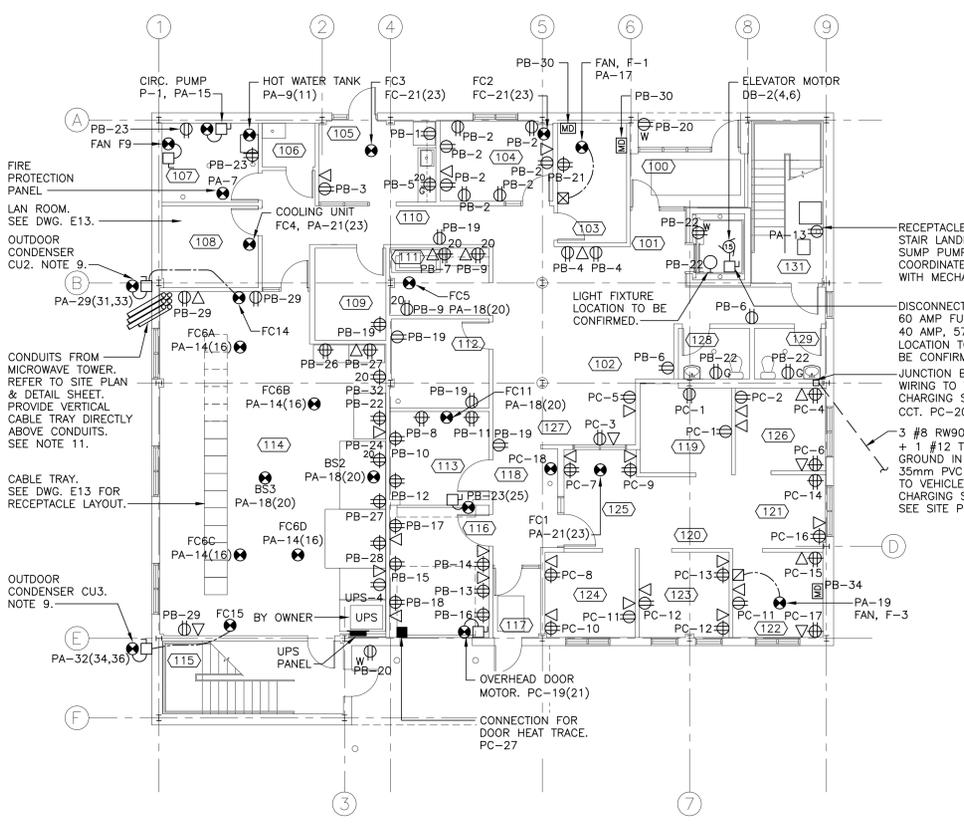
LIGHTING PLAN - LEVEL 1
SCALE: 1:100
E4

- LIGHTING CONTROL FOR CLEAN WORKSHOP:**
- LIGHTING CONTROL FOR CLEAN WORKSHOP: 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 (121, 122, 123, 124, 125, 126) 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 VACANT.
 - DIMMER SWITCHES WILL BE ATTACHED TO THE CUBICLE WALL AS DIRECTED ON SITE.
 - FIXTURES IN CUBICLES SUSPENDED 2200mm AFF.
 - FIXTURES IN RM 126 SUSPENDED ON AIRCRAFT CABLE 2400mm AFF.
 - LOCATION OF POWER PACKS TO BE DETERMINED ON SITE TO SUIT THE EXPOSED STRUCTURE. PROVIDE MOUNTING ATTACHMENTS AS REQUIRED.
- LIGHTING CONTROL - ROOM 213**
- WIRELESS MANUAL DIMMER CONTROLLED 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.
 - CEILING MOUNTED OCCUPANCY SENSORS TO CONTROL LIGHTS.
- LIGHTING CONTROL - STAIRS**
- LIGHT FIXTURES WILL REMAIN ON CONTINUOUSLY.
 - BUILT-IN SENSORS TO DIM LIGHTS TO 50% WHEN UNOCCUPIED.
- NOTE:**
EXIT AND BATTERY EMERGENCY LIGHT: CIRCUIT LA-10.

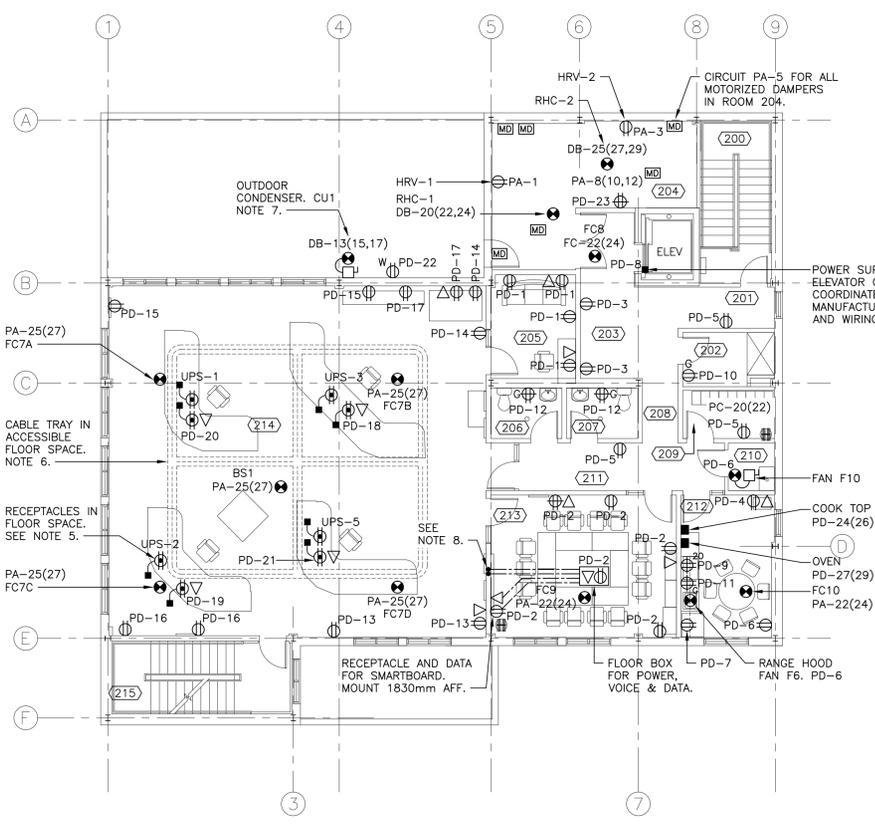


LIGHTING PLAN - LEVEL 2
SCALE: 1:100
E4

- NOTES:**
- RECEPTACLES MOUNTED ON CABLE TRAY FOR EQUIPMENT RACKS IN RM 114, 15A, 120V TWISTLOCK L5-15R WITH MATCHING PLUG CONNECTOR.
 - LIGHT CONTROL FOR CORRIDOR/LOBBY 203, 211: POWER PACK IN CEILING WITH WIRELESS SENSORS. LIGHTS ON CONTINUOUSLY @ 30% OR 50% INCREASE TO 100% WHEN ACTIVITY IS PRESENT.
 - LIGHT CONTROLLER FOR RM. 213. CEILING MOUNTED VACANCY SENSOR WITH TWO WIRELESS DIMMER SWITCHES AT EACH ENTRANCE FOR FIXTURES 'C' AND 'K'. DIMMING TO 1% FROM EACH LOCATION.
 - TYPE 'M' TASK LIGHTING, SUSPENDED 2100mm ABOVE FLOOR WITH AIRCRAFT CABLE. ATTACH TO T-BAR AND PROVIDE ADDITIONAL T-BAR SUPPORTS WHERE FIXTURES ARE LOCATED. WIRELESS REMOTE CONTROL UNIT FOR MANUAL ON/OFF AND DIMMING TO 1% AT EACH CONSOLE. ATTACH TO CONSOLE AS DIRECTED ON SITE. SEE DETAIL 7, DWG. E11.
 - RECEPTACLES IN FLOOR SPACE, ROOM 214, TO BE WIRED WITH BX ARMORED CABLE. TERMINATE EMIT CONDUIT IN 103mm SQ BOXES IN CENTER OF CONSOLE LOCATIONS AND MAKE FINAL CONNECTIONS TO RECEPTACLES WITH 2M OF BX ARMORED CABLE. LOCATE RECEPTACLES AS DIRECTED ON SITE.
 - 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. INSTALL ROWS SIDE BY SIDE, EXACT POSITIONING TO BE CONFIRMED ON SITE.
 - OUTDOOR CONDENSER: PROVIDE 4X STAINLESS STEEL DISCONNECT SWITCH AND MAKE FINAL CONNECTION TO UNIT WITH WATER TIGHT FLEXIBLE CONDUIT.
 - 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.
 - VRF UNITS FC14A ND FC15 ARE POWERED FROM CONDENSERS C2 AND C3.
 - CONNECT EXIT LIGHTS AND EMERGENCY LIGHTING BATTERY UNITS ON CIRCUIT LA-10 FOR LEVEL 1 AND LA-12 FOR LEVEL 2. PROVIDE LOCK-ON DEVICES ON BREAKERS.
 - CONDUITS UNDERGROUND FROM MICROWAVE TOWER. EXACT LOCATION OF ENTRY POINT, CONDUIT TERMINATIONS AND CABLE TRAY TO BE FINALIZED ON SITE BEFORE INSTALLING UNDERGROUND CONDUIT.



POWER PLAN - LEVEL 1
SCALE: 1:100
E4



POWER PLAN - LEVEL 2
SCALE: 1:100
E4