

DETAIL 1 DRAWING NOTES:

- EXISTING BRANCH CIRCUIT PANELS RANGING FROM 12 TO 84 CIRCUITS ARE 120/208V/3PH/4W/225A PANELS, TYPE NQDD, MANUFACTURED BY SQUARE D. ALL NEW BREAKERS TO MATCH EXISTING. REFER TO DRAWING E-700 FOR ENLARGED ELECTRICAL ROOM EQUIPMENT LAYOUT.
- EXISTING DISTRIBUTION PANELS "DP-1F-C" AND "DP-1F-D" ARE 600V/3PH/3W PANELS, TYPE QMB, MANUFACTURED BY SQUARE D. IN MAIN ELECTRICAL ROOM 1F113 FED FROM "SWBD-1F-A" AND "SWBD-1F-B". PROVIDE NEW FUSED DISCONNECTS TO MATCH EXISTING. REFER TO DRAWING E-700 FOR ENLARGED ELECTRICAL ROOM EQUIPMENT LAYOUT.

1

KEY PLAN

E001

1:300

ELECTRICAL GENERAL NOTES:

- THE ELECTRICAL GENERAL NOTES BELOW ARE TO BE READ IN CONJUNCTION WITH ALL DRAWINGS INCLUDED IN THIS PACKAGE. REFER TO DRAWING LIST.
- ALL EXISTING ELECTRICAL SERVICES IN THE CEILINGS ARE NOT NECESSARILY BEING COMPLETELY DISCONNECTED AND REMOVED. ACCESS TO EQUIPMENT ASSOCIATED WITH PHASED DEMOLITION AREAS MAY BE BLOCKED AND DIFFICULT TO ACCESS. CONTRACTOR TO ALLOW FOR THE TEMPORARY REMOVAL OR RELOCATION OF THESE ELECTRICAL SERVICES TO ACCOMMODATE THE PHASED DEMOLITION WORK AND TO RE-INSTALL THE REMOVED OR RELOCATED SERVICES UPON COMPLETION. ALL NECESSARY TESTING AND VERIFICATION TO BE INCLUDED TO ENSURE THE AFFECTED SERVICES ARE FULLY FUNCTIONAL.
- INFORMATION SHOWN AS "EXISTING" ON THE DRAWINGS ARE BASED ON FIELD OBSERVATIONS. SCANNING SURVEY TOGETHER WITH INFORMATION FROM EXISTING DRAWINGS PROVIDED BY THE HOSPITAL, AND MAY NOT FULLY REPRESENT TRUE CURRENT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL VERIFY CONDUIT SIZES AND WIRING ON SITE.
- CONTRACTOR TO NOTE THE EXISTING PIECES OF EQUIPMENT WHICH ARE SHOWN SELECTED FOR RELOCATION AND TO VISIT SITE AND RECORD THE ELECTRICAL "AS-BUILT" CONDITIONS RELATED TO THE EQUIPMENT. THIS IS INCLUSIVE OF POWER CONNECTIONS, FEEDER SIZE, CIRCUIT NUMBER, SOURCE PANEL AND INTERCONNECTIONS BETWEEN EQUIPMENT INCLUDING INTERLOCK WITH EXTERNAL SIGNAGE AND OTHER ASSOCIATED EQUIPMENT. AS DESCRIBED IN THE DOCUMENTS, CONTRACTOR TO ENTER INTO CONTRACT WITH NAMED EQUIPMENT VENDORS TO PROCURE THEIR RESPECTIVE SERVICES AS A SUB-TRADE TO DISCONNECT THEIR EXISTING EQUIPMENT, RELOCATE THE EQUIPMENT TO THEIR NEW LOCATIONS AND TO RE-INSTALL THE PREVIOUSLY EXISTING EQUIPMENT AT THE NEW LOCATIONS. EQUIPMENT VENDOR TO PROVIDE TESTING WHERE REQUIRED COMPLETE WITH LETTER OF CERTIFICATION AT COMPLETION OF LOCATION STATING THEIR EQUIPMENT IS FUNCTIONING PROPERLY.
- THE UNDERGROUND ROUTING OF THE SERVICES INDICATED IN THE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR IS TO INCLUDE FOR THE REVIEW OF THE ROUTING THROUGH THE CEILING SPACE AND INCLUDE FOR ALL OFFSETS OF THE SERVICES REQUIRED TO ACHIEVE THE GENERAL INTENT OF THE ROUTING INDICATED ON THE DRAWINGS.
- FOR PHASING REQUIREMENTS, HOURS OF OPERATION, ETC. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS & SPECIFICATIONS. COORDINATE ALL SHUT DOWNS WITH HOSPITAL AND GENERAL CONTRACTOR.
- CONTRACTOR SHALL INCLUDE FOR ALL CUTTING & PATCHING FOR THE INSTALLATION OF THIS WORK AND MAY EMPLOY THE SERVICES OF THE GENERAL CONTRACTOR IF NECESSARY.
- CAREFULLY COORDINATE NEW SERVICES WITH EXISTING BUILDING STRUCTURE, EXISTING SERVICES & WORK OF ELECTRICAL DIVISION PRIOR TO FABRICATION AND/OR INSTALLATION OF WORK INCLUDE FOR OFFSETS, TRANSFORMATIONS, ETC., AS REQUIRED TO ENSURE THE REQUIRED CEILING HEIGHTS.
- ALL EXISTING SERVICES INDICATED ON THE DRAWINGS TO BE REMOVED AND/OR RELOCATED ARE APPROXIMATE AND SHALL BE VERIFIED ON SITE. EXISTING ACTIVE SERVICES WHICH MAY BE EXPOSED DURING DEMOLITION/CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR AS TO THE SOURCE AND ROUTING, AND SHALL BE REPORTED TO THE CONSULTANT WITH PROPOSED RESOLUTIONS REQUIRED FOR THE SERVICES THAT HAVE BEEN EXPOSED AT NO EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY THAT ANY AND/ALL EXISTING SERVICES BEING REMOVED ONLY SERVE THIS AREA AND DO NOT SERVE ANY OTHER AREAS THAT ARE REQUIRED TO BE KEPT IN OPERATION.
- CONFIRM EXACT SIZE & LOCATIONS OF EXISTING SERVICES AT POINTS OF CONNECTION PRIOR TO FABRICATION AND/OR INSTALLATION OF NEW SERVICES.
- PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL COORDINATE WITH THE HOSPITAL THE DATE AND PERIOD OF TIME REQUIRED FOR DISCONNECTING AND/OR MAKING NEW CONNECTIONS TO SERVICES/ SYSTEMS IN ORDER TO KEEP INTERRUPTIONS OF THE HOSPITAL DAILY OPERATIONS AS MINIMAL AS POSSIBLE. ALLOW FOR OFF HOURS WORK.
- THE "AREA OF WORK" ON THE FLOOR PLAN IS SHOWN TO DESIGNATE THE WORK REQUIRED ARCHITECTURALLY AND STRUCTURALLY WITHIN THE BOUNDARIES NOTED. THE ELECTRICAL WORK SHOWN WITHIN THESE LIMITS AND OUTSIDE OF THESE LIMITS SHALL FORM THE TOTAL ELECTRICAL WORK REQUIREMENTS AND SHALL BE PRICED ACCORDINGLY. NOTE THAT WORK SHOWN OUTSIDE OF THESE LIMIT LINES MAY BE WORK REQUIRED BEYOND THE LIMIT LINE.
- DEMOLITION WORK SHALL BE COORDINATED WITH STRUCTURAL AND ARCHITECTURAL CONSTRUCTION LOGISTICS AND ASSOCIATED PHASING. INCLUDE FOR ALL COST ASSOCIATED WITH THIS WORK.

PHASING NOTES:

- THE ELECTRICAL DRAWINGS PROVIDE THE OVERALL INTENT FOR THE WORK TO BE COMPLETED AS PART OF THE PHASES OF THE PROJECT. REVIEW ALL PHASES OF WORK WITH GENERAL CONTRACTOR AND INCLUDE ALL WORK TO ACCOMMODATE PHASING SEQUENCE IN BID PRICE TO SUIT. ENSURE HOARDING, AND INFECTION CONTROL PROTECTION PROCEDURES (HOSPITAL AND CSA) EXTEND TO COVER ENTIRE WORK AREA AND/OR COORDINATE WORK WITH OFF HOURS TO MAINTAIN ACCESS DURING OPERATIONAL HOURS.
- FOR ALL WORK AFFECTING AREAS OUTSIDE THE PHASE OF CONSTRUCTION, SCHEDULE AND COORDINATE ALL WORK RELATED TO THIS SERVICE TO MINIMIZE DOWNTIME OF AREA OUTSIDE OF CURRENT PHASE OF CONSTRUCTION AND PERFORM THE WORK DURING OFF-HOURS. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL COORDINATE WITH THE HOSPITAL THE DATE AND PERIOD OF TIME REQUIRED FOR DISCONNECTING AND/OR MAKING NEW CONNECTIONS TO SERVICES/SYSTEMS IN ORDER TO KEEP INTERRUPTIONS OF THE HOSPITAL DAILY OPERATIONS AS MINIMAL AS POSSIBLE.
- CONTRACTOR SHALL ALLOW FOR ELECTRICAL SERVICES INCLUSIVE OF POWER, EMERGENCY POWER, LIGHTING, EMERGENCY LIGHTING, EXIT SIGNAGE, FA DEVICES, NURSE CALL DEVICES AND VOICE/DATA TO SUPPORT EXISTING AREAS BEING RENOVATED AND/OR EXISTING NEW ELECTRICAL SYSTEMS REQUIRED TO SUIT THE DEMOLITION/NEW WORK AND THE AREAS TO REMAIN IN OPERATION DURING EACH OF THE PHASES OF WORK. NOTE THAT EACH PHASE OF WORK WILL REQUIRE TESTING AND VERIFICATION TO NEW REQUIREMENTS AND EXISTING AREAS THAT ARE TO BE KEPT IN OPERATION WHILE EACH OF THE PHASES ARE BEING CONSTRUCTED.
- EXISTING SERVICE TO/FROM AREA OUTSIDE ANY PHASE OF CONSTRUCTION TO REMAIN WITHIN CURRENT PHASE OF CONSTRUCTION. DEMOLISH OLD SERVICE, INSTALL NEW SERVICE AND RECONNECT TO EXISTING SERVICE TO REMAIN, UNLESS OTHERWISE NOTED.
- CONNECT NEW WORK TO EXISTING NEW WORK FROM A PREVIOUS PHASE. IF NECESSARY, REFER TO DEMOLITION PLANS FOR LOCATION OF EXISTING.

DRAWING LIST

DRAWING No.	DRAWING TITLE
E001	KEY PLAN DRAWING LIST GENERAL NOTES ELECTRICAL
E002	ELECTRICAL SYMBOL LIST
E101	GROUND FLOOR LIGHTING DEMO WORK
E102	GROUND FLOOR POWER FA AND SYSTEMS DEMO WORK
E200	GROUND FLOOR LIGHTING NEW WORK
E300	GROUND FLOOR POWER NEW WORK
E400	GROUND FLOOR FIRE ALARM SECURITY AND SYSTEMS NEW WORK
E500	GROUND FLOOR HALCYON 1 FEEDERS ROUTING DEMOLITION WORKS
E501	ROOF FLOOR MECHANICAL ROOM FEEDERS ROUTING DEMOLITION WORKS
E502	GROUND FLOOR HALCYON 1 FEEDERS ROUTING NEW WORKS
E503	ROOF FLOOR FEEDERS ROUTING NEW WORKS
E504	ROOF FLOOR MECHANICAL ROOM FEEDERS ROUTING NEW WORKS
E505	GROUND FLOOR HALCYON 2 AND 3 FEEDERS ROUTING DEMOLITION WORKS
E506	GROUND FLOOR HALCYON 2 AND 3 FEEDERS ROUTING NEW WORKS
E700	ENLARGED PLANS ELECTRICAL ROOMS
E701	ENLARGED PLANS ORTHOVOLTAGE ROOM
E702	ENLARGED PLANS HALCYON ROOMS
E703	ENLARGED PLANS HALCYON TYPICAL DETAILS
E704	HALCYON TYPICAL DETAILS
E705	SHIELDING DOOR TYPICAL DETAILS
E706	ELECTRICAL SINGLE LINE DIAGRAM BLOCK F DEMOLITION WORKS
E707	ELECTRICAL SINGLE LINE DIAGRAM BLOCK F NEW WORKS
E800	PARTIAL ELECTRICAL SINGLE LINE DIAGRAM
E801	ELECTRICAL PANEL SCHEDULES 1 OF 4
E802	ELECTRICAL PANEL SCHEDULES 2 OF 4
E803	ELECTRICAL PANEL SCHEDULES 3 OF 4
E804	ELECTRICAL PANEL SCHEDULES 4 OF 4
E900	LUMINAIRE SCHEDULE AND DETAILS
E901	LIGHTING CONTROL SCHEMATIC DIAGRAMS
E902	ELECTRICAL DETAILS
E903	TYPICAL DOOR CONNECTION & ELEVATION DETAILS
E904	CONDUITS CROSS SECTION DETAILS

GENERAL PROJECT NOTES:

- CONTRACTOR TO CONFIRM IF ANY EXISTING EQUIPMENT (LUMINAIRES, RECEPTACLES, ETC.) NOTED TO BE DEMOLISHED IS TO BE RETAINED AND TURNED OVER TO THE OWNER PRIOR TO REMOVAL. ALL OTHER EQUIPMENT SHALL BE PROPERLY DISPOSED OF AS PART THIS CONTRACT.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL & MECHANICAL DRAWINGS. ARCHITECTURAL TO GOVERN EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES.
- CONTRACTOR TO COORDINATE WITH SIEMENS (CONTACT: GERRY THIBEAULT, 416-617-3786, GERRY.THIBEAULT@SIEMENS.COM) FOR EXISTING FIRE ALARM WORK TO COMPLETE FIRE ALARM UPGRADES, TERMINATIONS AT FIRE ALARM PANEL, TESTING AND VERIFICATION OF SYSTEM DURING EACH PHASE OF WORK.
- CIRCUITING SHOWN IS BASED ON EXISTING PANEL SCHEDULE. CONTRACTOR TO VERIFY ON SITE AND CONNECT CIRCUITS TO SPARE BREAKERS IN PANELBOARDS AS REQUIRED.
- ALL CEILING DEVICES SHALL AVOID STRUCTURAL BEAMS AND MECHANICAL DUCTWORK. CONTRACTOR TO COORDINATE ON SITE PRIOR TO INSTALLATION.
- PROTECT EXISTING ELECTRICAL SERVICES TO REMAIN DURING DEMOLITION AND RENOVATION. ALL LIFE SAFETY SYSTEMS MUST REMAIN IN OPERATION DURING CONSTRUCTION.
- MAINTAIN OPERATION OF ALL SYSTEMS OUTSIDE OF RENOVATED AREA WHICH MAY BE AFFECTED BY THE RENOVATION AND DEMOLITION. ANY CIRCUITS WHICH HAVE BEEN MADE INOPERATIVE AS A RESULT OF THIS WORK BUT ARE NOT IN DEMOLISHED AREA SHALL BE REACTIVATED AT NO COST TO THE OWNER.
- WHERE REQUIRED, CONTRACTOR TO REMOVE EXISTING CEILING (REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF EXISTING CEILING REMOVALS) TO ALLOW FOR THE INSTALLATION OF THE FIRE ALARM SYSTEM, LIGHTING FIXTURES, ETC. COORDINATE EXACT LOCATIONS AND EXTENT OF REQUIREMENTS WITH GENERAL CONTRACTOR.
- WHERE REQUIRED, CONTRACTOR TO INCLUDE FOR THE REMOVAL AND/OR RELOCATION OF THE EXISTING CEILING LIGHTING FIXTURES, ETC. ALL NEW WORK AND REWORKING OF CEILING TO SUIT MECHANICAL AND ELECTRICAL SERVICES SHALL BE PERFORMED BY THE GENERAL CONTRACTOR. COORDINATE EXACT LOCATIONS AND EXTENT OF REQUIREMENTS WITH GENERAL CONTRACTOR.
- ALL EXISTING SERVICES INDICATED ON THESE DRAWINGS TO BE REMOVED AND/OR RELOCATED SHALL BE VERIFIED ON SITE. EXISTING ACTIVE SERVICES WHICH MAY BE EXPOSED DURING DEMOLITIONS OF PARTITIONS AND WHICH MUST BE RELOCATED TO SUIT NEW PARTITIONS LAYOUTS SHALL BE PROMPTLY REPORTED TO THE CONSULTANT'S ATTENTION FOR RESOLUTION.
- ALL NEWLY INSTALLED RECEPTACLES TO BE HOSPITAL GRADE.
- NEW DATA, VOICE, CODE BLUE, AND NURSE CALL WIRING SHALL BE TERMINATED IN COMM CLOSET #18 TO THE ASSOCIATED EXISTING SYSTEM. PROVIDE ALL NECESSARY HARDWARE AND SOFTWARE REQUIRED TO ADD ALL NEW DEVICES AS PART OF THIS PROJECT. WIRING SHALL BE AS PER MANUFACTURERS RECOMMENDATION. COORDINATE INSTALLATION AND ADDITION OF NEW NURSE CALL DEVICES WITH EXISTING VENDOR ATEL (CONTACT: LAURA GRAHAM, 905-526-2378, LAURAG@ATEL.COM).
- NEW SECURITY AND CCTV DEVICES SHALL BE TERMINATED IN COMM CLOSET #18, ROOM 1F196. CONTRACTOR TO ENGAGE SECURITY SYSTEM VENDOR (JOHNSON CONTROLS-KEITH PORTER, 905-731-2813, KEITH.PORTER@JCI.COM) TO PROVIDE SECURITY SYSTEM WORK IN COORDINATION WITH ELECTRICAL CONTRACTOR. ALL NEW DEVICES TO BE COMPATIBLE WITH EXISTING GENTEC SECURITY CENTER V5.11

CLIENT:



CONSULTANT:



SEAL:



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NO	DESCRIPTION	DATE
8	ISSUED FOR TENDER	2026/12/16
7	ISSUED FOR PERMIT	2025/11/21
6	MOH 2.3 RESUBMISSION	2025/06/20
5	MOH 2.3 SUBMISSION	2024/10/11
4	MOH 2.3 COSTING SUBMISSION	2024/09/13
3	MOH 2.3 COSTING SUBMISSION	2024/06/17
2	ISSUED FOR MOH 1.3/2.1/2.2	2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/09/19

SHEET REVISION




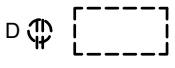


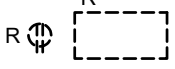
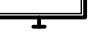


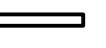

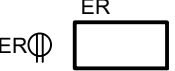


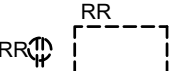



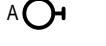


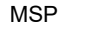



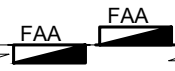


















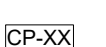


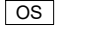







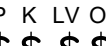










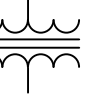


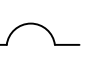


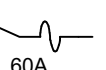

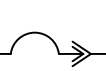


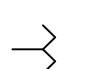



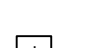






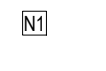








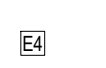













PROJECT:
THP CANCER CARE EQUIPMENT
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Mississauga, ON L5M 2N1

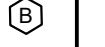
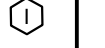

TITLE:
KEY PLAN DRAWING LIST
GENERAL NOTES ELECTRICAL

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

DRAWING NO:


E001

ELECTRICAL SYMBOL LIST					
GENERAL DEMOLITION SYMBOLS		LIGHTING SYMBOLS		POWER SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING ITEM TO REMAIN AS INSTALLED.		2'X4' LED LUMINAIRE, LETTER "F" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.		DISCONNECT SWITCH WHERE SHOWN ON DRAWINGS OR REQUIRED BY CODE. "WP" INDICATES WEATHERPROOF TYPE.
	EXISTING ITEM TO BE DELETED. REMOVE ALL EXISTING WIRING, CONDUIT, ETC. BACK TO ITS SOURCE. MAINTAIN CIRCUIT CONTINUITY DOWNSTREAM.		1'X4' LED LUMINAIRE, LETTER "F" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.		MANUAL MOTOR STARTER WITH PILOT LIGHT. "F" INDICATES FLUSH-MOUNTED, MOUNTED 1050m (3'-6") ABOVE FINISHED FLOOR LEVEL.
			SIMILAR TO ABOVE BUT LED WALL BRACKET LUMINAIRE.		OUTLET FOR ELECTRIC MOTOR. REFER TO STARTER SCHEDULE DRAWINGS.
	EXISTING ITEM IN ITS RELOCATED POSITION.		STRIP LED LUMINAIRE, LETTER "F" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.		SIMILAR TO ABOVE, BUT COMPLETE WITH DISCONNECT AT MOTOR.
	EXISTING ITEM TO BE REPLACED BY A NEW FIXTURE OR DEVICE AND RECONNECTED TO EXISTING OR NEW CIRCUIT WHERE SHOWN.		2'X2' LED LUMINAIRE, LETTER "F" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.		UNIT HEATER PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
	TEMPORARY REMOVAL OF EXISTING ITEM.		RECESSED DOWNLIGHT. LETTER "A" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.		FORCE FLOW HEATER PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
	EXISTING ITEM TO BE REINSTALLED.		SIMILAR TO ABOVE, BUT WALL BRACKET LUMINAIRE.		MOTOR CONTROL CENTRE OR MOTOR STARTER PANEL. REFER TO STARTER SCHEDULE DRAWINGS.
FIRE ALARM SYMBOLS			2'X4' LED LUMINAIRE FED FROM EMERGENCY POWER SOURCE.		
	RECESSED OR SURFACE MOUNTED FIRE ALARM CONTROL PANEL.		1'X4' LED LUMINAIRE FED FROM EMERGENCY POWER SOURCE.		START-STOP PUSHBUTTON AND PILOT LIGHT. "F" DENOTES FLUSH MOUNTED 1050m (3'-6") ABOVE FINISHED FLOOR LEVEL.
	RECESSED OR SURFACE MOUNTED FIRE ALARM ANNUNCIATOR PANEL.		STRIP LED LUMINAIRE FED FROM EMERGENCY POWER SOURCE.		DUPLEX U-GROUND 15A, 125 VOLT, 2 POLE, 3 WIRE GROUNDING RECEPTACLE MOUNTED 450mm (18") ABOVE FINISHED LEVEL, UNLESS OTHERWISE NOTED. "C" DENOTES CEILING MOUNTED DEVICE.
	FIRE ALARM PULL STATION MOUNTED 4'-0" (1200) ABOVE FINISHED FLOOR LEVEL UNLESS OTHERWISE NOTED.		2'X2' LED LUMINAIRE FED FROM EMERGENCY POWER SOURCE.		SIMILAR TO ABOVE, BUT MOUNTED IN WEATHERPROOF F.S. BOX WITH WEATHERPROOF COVER. MOUNTED 450mm (18") ABOVE FINISHED GRADE, UNLESS OTHERWISE NOTED.
	AUTOMATIC HEAT DETECTOR 15°F (8.3°C) RATE OF RISE AND FIXED TEMPERATURE TYPE 135°F (57°C) RATED AT 2500 FT² (232m²) COVERAGE. "EX" WHERE SHOWN, DENOTES EXPLOSION PROOF. CEILING MOUNTED TYPE.		INCANDESCENT OR H.I.D. RECESSED DOWNLIGHT LUMINAIRE FED FROM EMERGENCY POWER SOURCE.		SIMILAR TO ABOVE, BUT MOUNTED APPROXIMATELY 1050m (3'-6") ABOVE FINISHED FLOOR LEVEL OR ABOVE COUNTER, UNLESS OTHERWISE NOTED.
	PRODUCTS OF COMBUSTION DETECTOR PHOTOELECTRIC CEILING MOUNTED TYPE.		WALL MOUNTED LUMINAIRE FED FROM EMERGENCY POWER SOURCE.		GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE.
	PRODUCTS OF COMBUSTION DETECTOR IONIZATION CEILING MOUNTED TYPE.		CEILING MOUNTED PHOTOCELL.		SIMILAR TO ABOVE, BUT MOUNTED APPROXIMATELY 3'-6" (1050 mm) ABOVE FINISHED FLOOR LEVEL OR ABOVE COUNTER, UNLESS OTHERWISE NOTED.
	PRODUCTS OF COMBUSTION DETECTOR, DUCT TYPE WITH SAMPLING TUBES.		SIMILAR TO ABOVE, ANNOTATIONS: "OS"-DIMMER COMPLETE WITH OCCUPANCY SENSOR, "LV"-LOW VOLTAGE DIMMER, "LV8"-8-BUTTON LOW VOLTAGE DIMMER.		DUPLEX U-GROUND 5-15R, 120 VOLT, 2 POLE 3 WIRE GROUNDED RECEPTACLE MOUNTED WITHIN FURNITURE.
	CEILING MOUNTED EMERGENCY VOICE COMMUNICATION (EVC) SYSTEM SPEAKER.		CONTROL PANEL - XX SHOWS THE NUMBER OF CONTROL AREAS, ALL THE DIMMERS NEED TO BE 3-WAY		15A-125/250V 3P-4W ALTERNATE, 125 VOLT, 3 WIRE HEAVY DUTY RECEPTACLE, MOUNTED 450mm (18") ABOVE FINISHED FLOOR LEVEL, UNLESS OTHERWISE NOTED, OR NEMA L5-20R RECEPTACLE, 120VAC AS INDICATED.
	CEILING MOUNTED EMERGENCY VOICE COMMUNICATION (EVC) SYSTEM SPEAKER AND STROBE .		CEILING MOUNTED OCCUPANCY SENSOR.		SIMILAR TO ABOVE, BUT MOUNTED APPROXIMATELY 1050m (3'-6") ABOVE FINISHED FLOOR LEVEL OR ABOVE COUNTER, UNLESS OTHERWISE NOTED.
COMMUNICATIONS SYMBOLS			EXIT LIGHTS-WALL BRACKET OR CEILING MOUNTED, COMPLETE WITH DIRECTIONAL ARROWS WHERE SHOWN OR REQUIRED. "WP" DENOTES WEATHERPROOF TYPE.		TWO DUPLEX U-GROUND 15A, 125 VOLT, 2 POLE, 3 WIRE GROUNDING RECEPTACLE MOUNTED 450mm (18") ABOVE FINISHED LEVEL IN COMMON FACEPLATE, UNLESS OTHERWISE NOTED.
	DATA OUTLET, MOUNTED 450mm (18") ABOVE FINISHED FLOOR LEVEL UNLESS OTHERWISE NOTED. (# - DENOTES NUMBER OF DATA DROPS, PROVIDE TWO DATA IF NOT SHOWN).		ONE, TWO, THREE GANG, ETC. LINE VOLTAGE TOGGLE SWITCH MOUNTED 1100m (3'-6") ABOVE FINISHED FLOOR LEVEL. UNLESS OTHERWISE NOTED.		SIMILAR TO ABOVE, BUT FURNITURE MOUNTED
	DATA OUTLET, MOUNTED 1050m (3'-6") ABOVE FINISHED FLOOR LEVEL UNLESS OTHERWISE NOTED. (# - DENOTES NUMBER OF DATA DROPS, PROVIDE TWO DATA IF NOT SHOWN).		SIMILAR TO ABOVE, ANNOTATIONS: "3"-THREE WAY, "4"-FOUR WAY, "K"-KEY SWITCH, "LV"-LOW VOLTAGE SWITCH, "OS"-SWITCH COMPLETE WITH OCCUPANCY SENSOR.		SIMILAR TO ABOVE, BUT MOUNTED APPROXIMATELY 3'-6" (1050 mm) ABOVE FINISHED FLOOR LEVEL OR ABOVE COUNTER, UNLESS OTHERWISE NOTED.
	TELEPHONE OUTLET MOUNTED 450mm (18") ABOVE FINISHED FLOOR, MINIMUM 100mm (4") SQUARE BOX <i>c/w</i> PLASTER RING AND FACEPLATE. REFER TO SPECIFICATION FOR CABLING REQUIREMENTS.		LINE VOLTAGE CONTROL CONNECTION BETWEEN SWITCH AND FIXTURE THERMOSTAT AND HEATER, ETC.		15A-125/250V 3P-4W GROUNDED SINGLE RECEPTACLE (CSA 14-15R) MOUNTED 450mm (18") ABOVE FINISHED FLOOR LEVEL, UNLESS OTHERWISE NOTED.
	SIMILAR TO ABOVE, BUT MOUNTED 1050m (3'-6") ABOVE FINISHED FLOOR.		DO NOT ENTER SIGN		15A-250V 2P-3W GROUNDED SINGLE RECEPTACLE (CSA 6-15R) MOUNTED 450mm (18") ABOVE FINISHED FLOOR LEVEL, UNLESS OTHERWISE NOTED.
	COMBINATION DATA/VOICE OUTLET, MOUNTED 450mm (18") ABOVE FINISHED FLOOR LEVEL UNLESS OTHERWISE NOTED. (#D/#V - WHERE #D DENOTES NUMBER OF DATA DROPS AND #V DENOTES NUMBER OF VOICE DROPS).	SINGLE LINE DIAGRAM SYMBOLS			30A, 125/250 VOLT, 3 POLE, 4 WIRE GROUNDING DRYER RECEPTACLE MOUNTED 450mm (18") ABOVE FINISHED FLOOR, COMPLETE WITH NEUTRAL AND GROUND CONDUCTORS.
	WIRELESS ACCESS POINT CEILING MOUNTED TYPE		TRANSFORMER		50A, 125/250 VOLT, 2 POLE, 3 WIRE GROUNDING STOVE RECEPTACLE MOUNTED 450mm (18") ABOVE FINISHED FLOOR (UNLESS OTHERWISE NOTED), COMPLETE WITH NEUTRAL AND GROUND CONDUCTORS.
	CEILING MOUNTED SPEAKER		MOLDED CASE CIRCUIT BREAKER.		30A-125/250V 3P-4W GROUNDED SINGLE RECEPTACLE (CSA 14-30R) MOUNTED 450mm (18") ABOVE FINISHED FLOOR LEVEL, UNLESS OTHERWISE NOTED.
	DIGITAL CLOCK <i>c/w</i> POWER OUTLET FOR POWER CONNECTION		FUSED DISCONNECT SWITCH.		20A-125/250V 3P-4W GROUNDED SINGLE RECEPTACLE (CSA 14-20R) MOUNTED 450mm (18") ABOVE FINISHED FLOOR LEVEL, UNLESS OTHERWISE NOTED.
SECURITY SYMBOLS			AIR CIRCUIT BREAKER.		CSA NEMA RECEPTACLE AS INDICATED ON LAYOUTS.
	SECURITY SYSTEM DOOR ALARM CONTACTS, RECESSED IN DOOR AND FRAME.		POTENTIAL TRANSFORMER.		CONNECTION TO SYSTEMS FURNITURE. SUPPLY AND INSTALL MILLWORK MOUNTED RECEPTACLES AND CABLING.
	SECURITY SYSTEM MOTION DETECTOR.		CURRENT TRANSFORMER.		RECESSED OR SURFACE MOUNTED PANELBOARD, "PP" DENOTES POWER PANEL, "LP" DENOTES LIGHTING AND POWER PANEL, "DP" DENOTES DISTRIBUTION PANELBOARD.
	SECURITY SYSTEM DISARMING KEYPAD.	NURSE CALL SYMBOLS			JUNCTION BOX
	CEILING OR WALL MOUNTED CLOSED CIRCUIT TELEVISION CAMERA FOR HOSPITAL A/V SYSTEM. COORDINATE WITH ORTHOVOLTAGE AND HALCYON VENDOR FOR EXACT CAMERA AND CABLING REQUIREMENT.		NURSE CALL DOME LIGHT "ZL" WHERE SHOWN, DENOTES CORRIDOR ZONE LIGHT "ZLO" WHERE SHOWN, DENOTES CORRIDOR ZONE LIGHT <i>c/w</i> CHIME		FLUSH OR SURFACE MOUNTED OUTLET BOX COMPLETE WITH CONNECTION TO EQUIPMENT. "WP" DENOTES WEATHERPROOF.
	POWER CONNECTION TO ELECTRIC STRIKE.		NURSE CALL SINGLE BED STATION		FLUSH-MOUNTED PUSHBUTTON MOUNTED 1050mm (3'-6") ABOVE FINISHED FLOOR LEVEL. "WP" DENOTES WEATHERPROOF.
	CARD READER		NURSE CALL DUAL BED STATION		120V CONNECTION TO EQUIPMENT
	DOOR INTERLOCK.		NURSE CALL PATIENT EMERGENCY STATION - PULL CORD TYPE		208V, 1PH CONNECTION TO EQUIPMENT
	CONNECTION TO AUTOMATIC DOOR ACCESS SYSTEM. ALL COMPONENTS PROVIDED BY OTHERS, CONNECTED BY DIV. 26 IN ACCORDANCE WITH MANUFACTURER'S WIRING DIAGRAMS. PUSH-BUTTON MOUNTED 1050m (3'-6") AFF.		NURSE CALL PATIENT EMERGENCY STATION - PUSH BUTTON TYPE		208V, 3PH CONNECTION TO EQUIPMENT
	POWER CONNECTION TO MAGNETIC DOOR LOCK		NURSE CALL QUAD PUSHBUTTON STATION, COMPLETE WITH CODE BLUE, STAFF ASSIST, CODE PINK		240V, 1PH CONNECTION TO EQUIPMENT
	REQUEST TO EXIT MOTION		NURSE CALL MASTER STATION		600V, 1PH CONNECTION TO EQUIPMENT
			NURSE CALL STAFF TERMINAL		600V, 3PH CONNECTION TO EQUIPMENT
					SURFACE RACEWAY
					HEAT TRACING CABLE CONNECTION
					MEDICAL SERVICE UNIT
					JUNCTION BOX


PATIENT CARE TAGS	
SYMBOL	DESCRIPTION
	BASIC PATIENT CARE AREA
	INTERMEDIATE PATIENT CARE AREA
	CRITICAL PATIENT CARE AREA
AREAS & ROOMS IDENTIFIED WITH THESE PATIENT CARE TAGS ARE CLASSIFIED AS THE ASSOCIATED LEVEL OF PATIENT CARE AND AS SUCH SHALL COMPLY WITH SECTION 24 OF THE ONTARIO ELECTRICAL SAFETY CODE. ALL DEVICES WITHIN THESE AREAS & ROOMS SHALL BE BONDED INCLUDING LIGHTING FIXTURES, SWITCHES, RECEPTACLES, ETC. TEST RECEPTACLES IN PATIENT CARE AREAS AND PROVIDE REPORT TO ENGINEER/CONSULTANT. REFER TO SPECIFICATIONS SECTION 26 05 00 FOR DETAILS.	

ABBREVIATIONS	
SYMBOL	DESCRIPTION
ADO	AUTOMATIC DOOR OPENER
BW	BLANKET WARMER
C	INDICATES CEILING MOUNTED DEVICE
CC	CRASH CART
EB	ELECTRIC BED, STRETCHER OR EXAM CHAIR
FR	FRIDGE/REFRIGERATOR
FRZ	FREEZER
FSD	FIRE/SMOKE DAMPER
GFI	GROUND FAULT INTERRUPTER
GMC	GLUCOSE MONITORING CHARGING STATION
HK	HOUSEKEEPING
LBL	LABEL PRINTER
LPD	LAST PERSON OUT
MW	MICROWAVE
PL	PATIENT LIFT
PR	PRINTER
SPC	SPECIMEN PRINTER
SPD	SURGE PROTECTION DEVICE
TL	TWISTLOCK TYPE
UIC	UNDERCABINET
WOW	WATER DISPENSER
WD	WORKSTATION ON WHEEL
WP	WEATHERPROOF
ZVB	ZONE VALVE BOX

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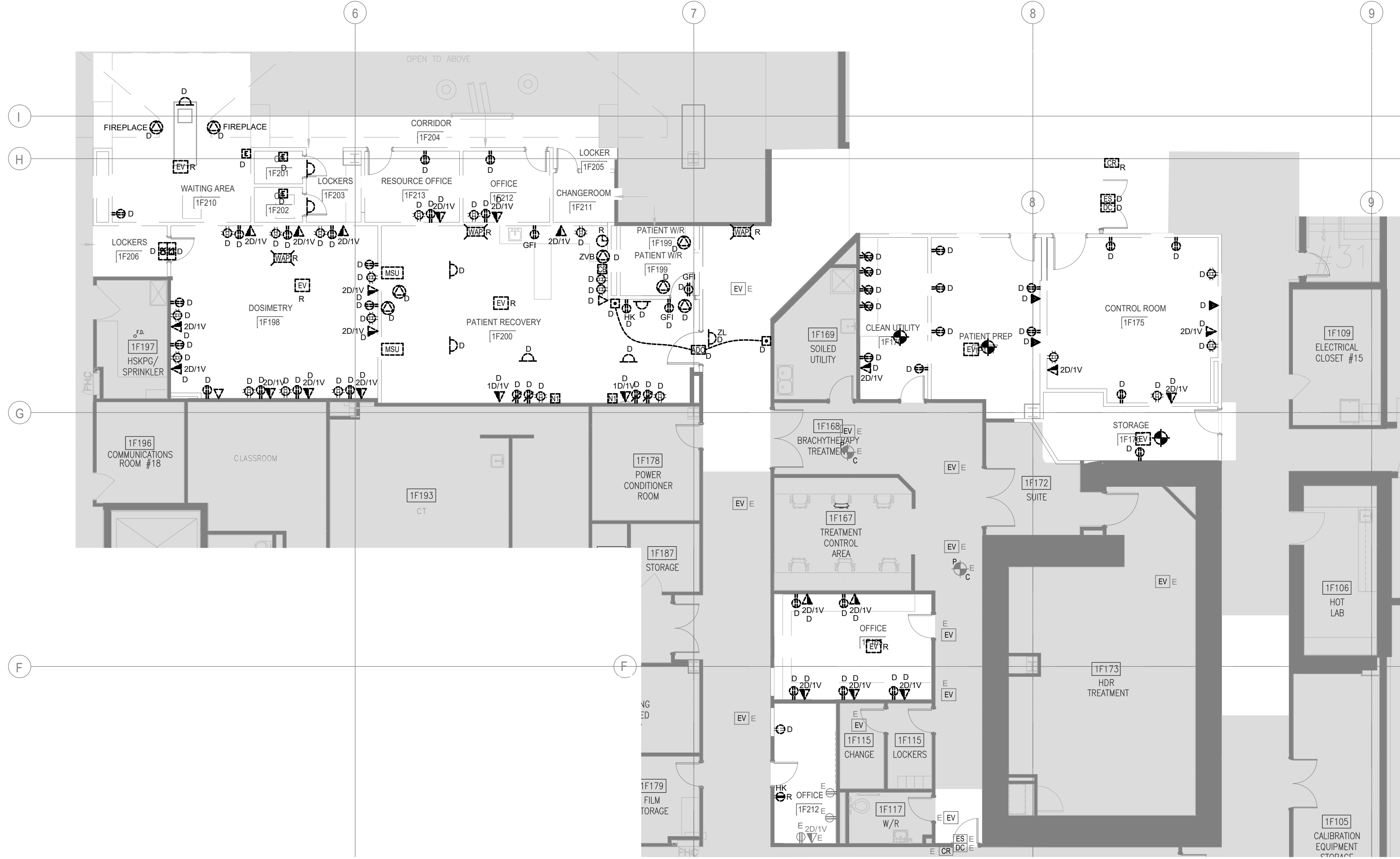


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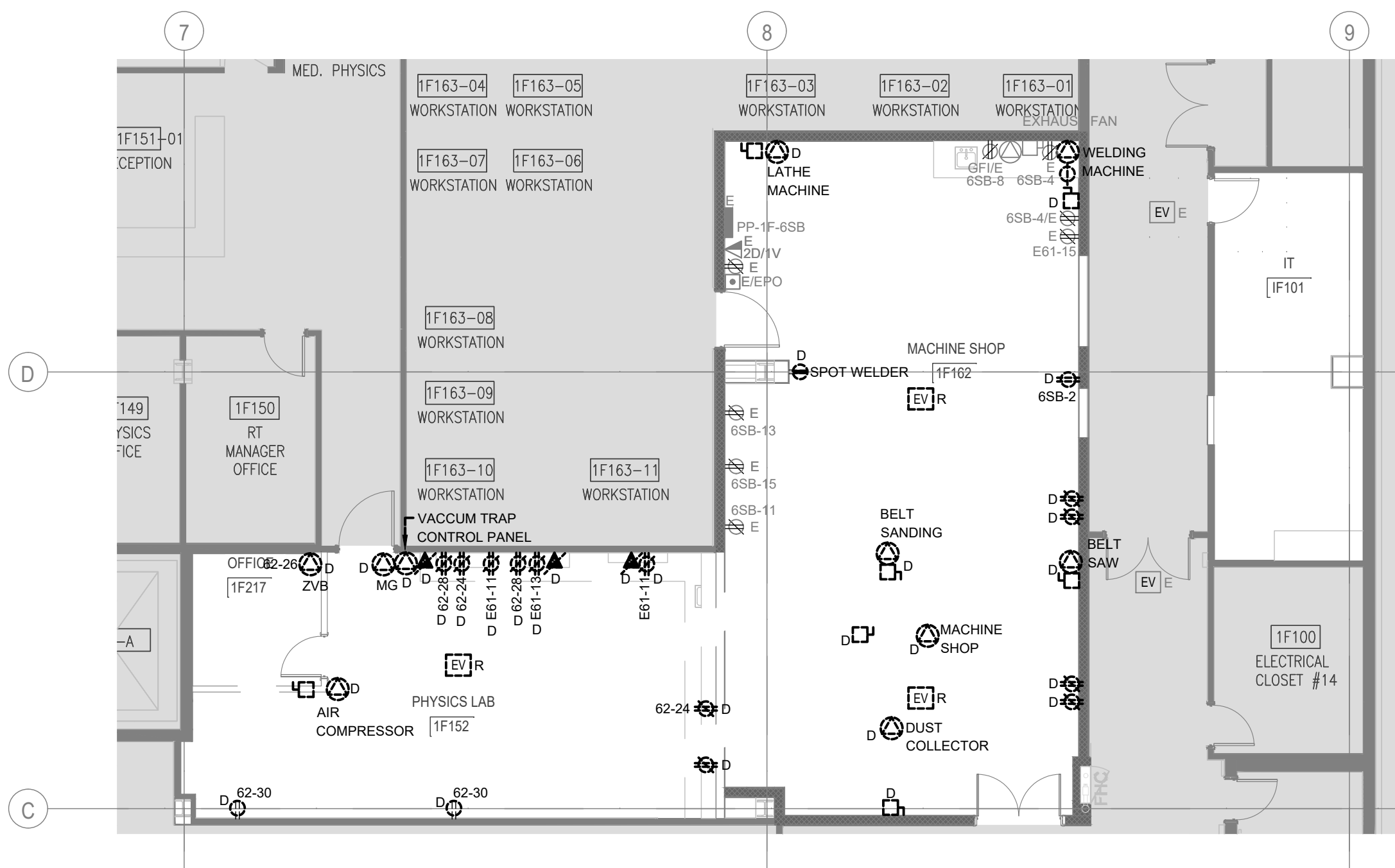
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2	ISSUED FOR MOH 1.3/2.1/2.2	2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/09/19
NO	DESCRIPTION	DATE
SHEET REVISION		
PROJECT: THP CANCER CARE EQUIPMENT 2200 Eglinton Ave W, Mississauga, ON L5M 2N1		
TITLE: ELECTRICAL SYMBOL LIST		
PROJECT NO: CA0003678.3329	DRAWING NO:	
CHECKED: J.L.	E002	



1 PARTIAL PLAN 1 - POWER, FA & SYSTEMS DEMO
E102 1:100



2 PARTIAL PLAN 2 - POWER, FA & SYSTEMS DEMO
E102 1:100



3 PARTIAL PLAN 3 - POWER, FA & SYSTEMS DEMO
E102 1:100

- POWER AND SYSTEMS DEMOLITION NOTES:**
- DEMOLISH ALL THE EXISTING POWER AND SYSTEMS DEVICES AND EQUIPMENT IN THE AREA SHOWN, UNLESS OTHERWISE NOTED. ALL ASSOCIATED CONDUITS, BOXES, ACCESSORIES AND CABLES SHALL BE REMOVED BACK TO SOURCE. EXISTING ACTIVE SERVICES SERVING OTHER FLOORS MAY BE EXPOSED DURING THE DEMOLITION OF PARTITION WALLS AND CEILINGS WHICH MUST BE RELOCATED TO SUIT THE NEW FLOOR LAYOUT. THE EXISTING ACTIVE SERVICE SERVING OUTSIDE OF DEMOLITION SCOPE AREA SHALL BE PROMPTLY REPORTED TO THE CONSULTANTS ATTENTION FOR RESOLUTION. THIS DRAWING MAY NOT CAPTURE EXACT QUANTITIES OF DEVICES TO BE REMOVED.
 - COORDINATE ALL DEMOLITION WORK WITH GENERAL CONTRACTOR. VISIT THE SITE DURING THE TENDERING PERIOD TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK AND TO BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS TO MEET IN CARRYING OUT SAME. REQUEST FOR EXTRAS WILL NOT BE CONSIDERED FOR FAILURE TO PROPERLY EVALUATE CONDITIONS WHICH AFFECT THE SCOPE OF DEMOLITION WORK.
 - CONTRACTOR TO ALLOW FOR SURVEYING OF EXISTING AREA AND CONFIRMING CIRCUITRY IN DEMOLITION AREA. ALL WORK RELATED TO TRACING, CONFIRMING AND MAINTAINING EXISTING CIRCUITRY FOR ALL SYSTEMS SHALL BE INCLUDED IN THE SCOPE OF WORK.
 - ALL DEMOLISHED POWER AND SYSTEMS DEVICES AND EQUIPMENT TO BE DISPOSED BY THE CONTRACTOR WITH EXCEPTION OF ALL DEMOLISHED EXISTING FIRE ALARM DEVICES WHICH SHALL BE CLEANED AND HANDED OVER TO THE OWNER. COORDINATE WITH HOSPITAL PROJECT MANAGER FOR STORAGE LOCATION OF THE EXISTING FIRE ALARM DEVICES.
 - ENSURE THAT CONTINUITY OF WIRING TO ALL REMAINING OUTLETS AND DEVICES SHALL BE MAINTAINED WITH SAME SIZE WIRE AS EXISTING. ENSURE OPERATION OF FIRE ALARM SYSTEMS AT ALL TIMES.
 - IN AREAS WHERE EXISTING DEVICES ARE TO BE REMOVED, THE CONTRACTOR SHALL ENSURE THAT ANY PORTION OF THE EXISTING SYSTEM THAT IS TO REMAIN IS LEFT SAFE AND A WORKING SYSTEM IS MAINTAINED.
 - THE ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY FOR EXISTING SERVICES WHICH PASS THROUGH THE AREA BUT WHICH FEED ITEMS NOT LOCATED IN THE RENOVATED AREA. REROUTE WHERE NECESSARY. REWIRE DEVICES WHICH REMAIN. REROUTING SHALL NOT PENETRATE LEAD SHIELDING.
 - POWER AND SYSTEMS SHUT-DOWN MUST BE ARRANGED WITH AND AT A TIME CONVENIENT TO THE HOSPITAL EQUIPMENT BEING REMOVED SHALL BE REVIEWED ON THE SITE WITH THE HOSPITAL'S ENGINEERING DEPT. AND IF THEY SO WISH BE DELIVERED TO AN AREA IN THE HOSPITAL AS DIRECTED. EQUIPMENT THAT THE HOSPITAL DOES NOT WANT SHALL BE REMOVED FROM THE SITE AS SCRAP BY THIS DIVISION.
 - COORDINATE SCHEDULING OF ALL POWER SHUTDOWNS WITH OWNER.
 - WHERE EXISTING TELEPHONE CABINETS ARE IN WALLS THAT ARE TO BE DEMOLISHED BUT CONTAIN WIRING THAT SERVE OTHER AREAS OF THE HOSPITAL, AN ALTERNATE ROUTING SHALL BE PROVIDED FOR CABLES. CONSULT WITH HOSPITAL TELECOMMUNICATIONS PERSONNEL AND PROVIDE REROUTING PRIOR TO ANY DEMOLITION OF WALLS.
 - MAINTAIN A TEMPORARY OPERABLE FIRE ALARM DURING CONSTRUCTION.

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2	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/09/19

SHEET REVISION

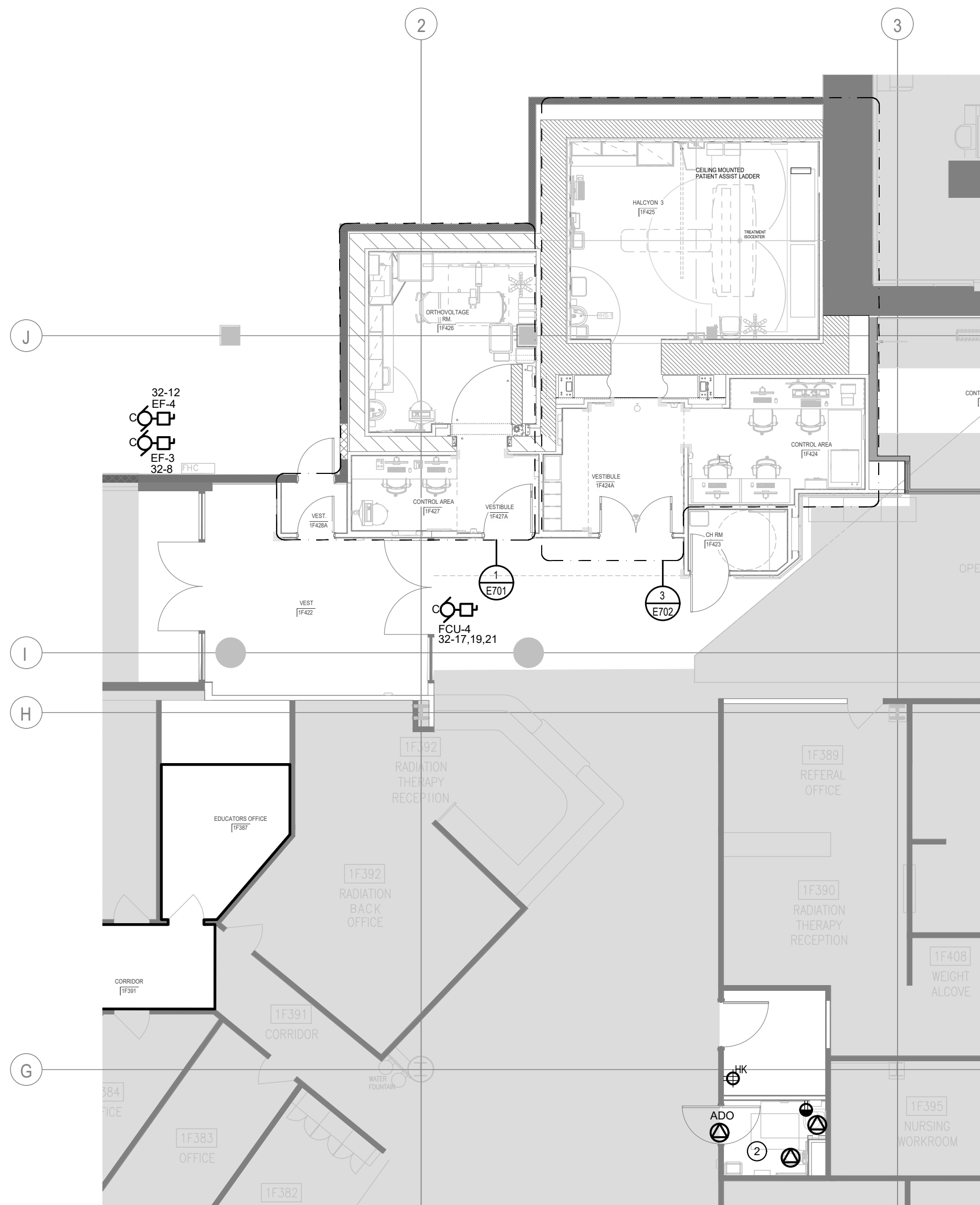
PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
**GROUND FLOOR POWER FA
AND SYSTEMS DEMO WORK**

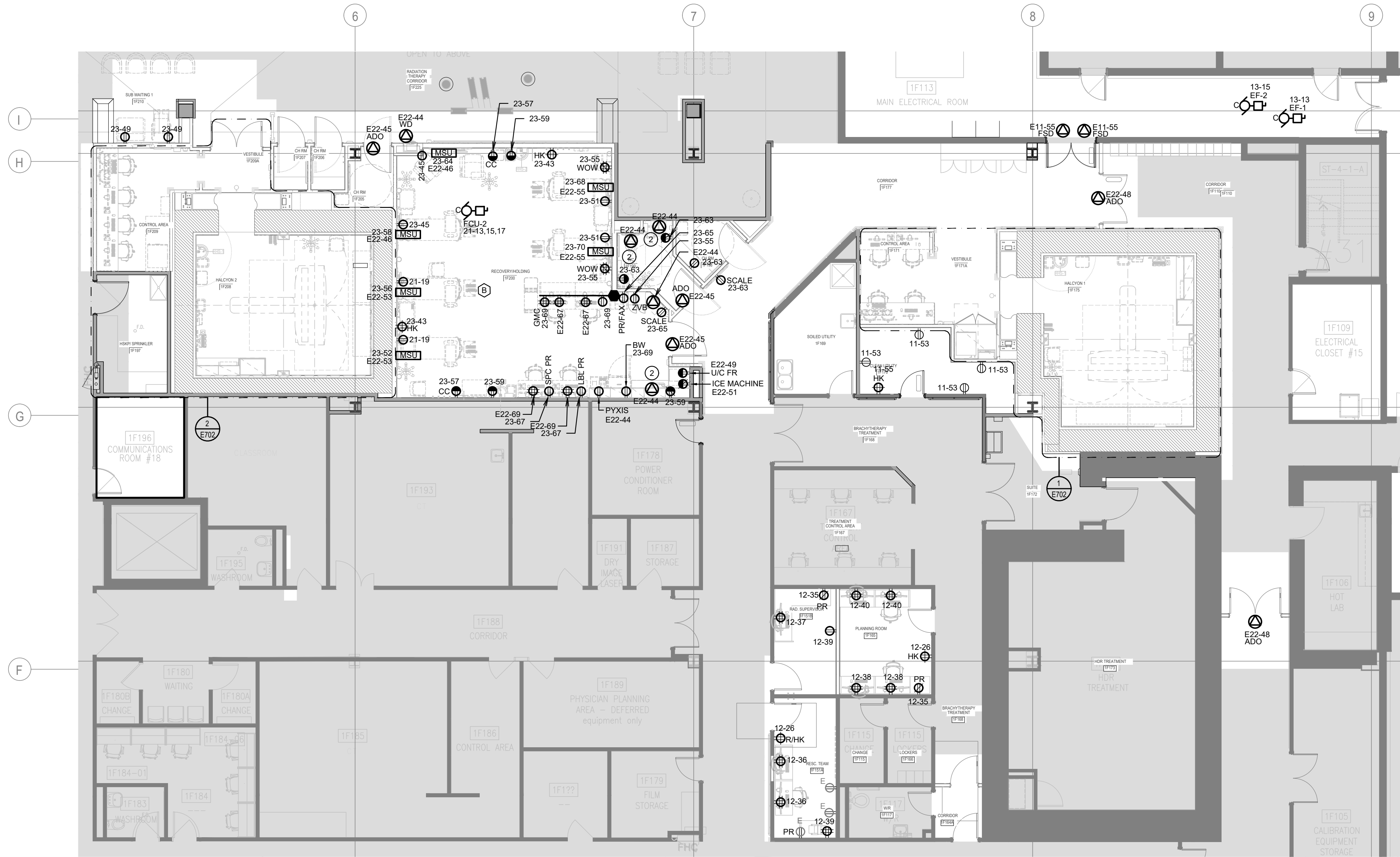
PROJECT NO:
CA0003678.3329

DRAWING NO:
E102

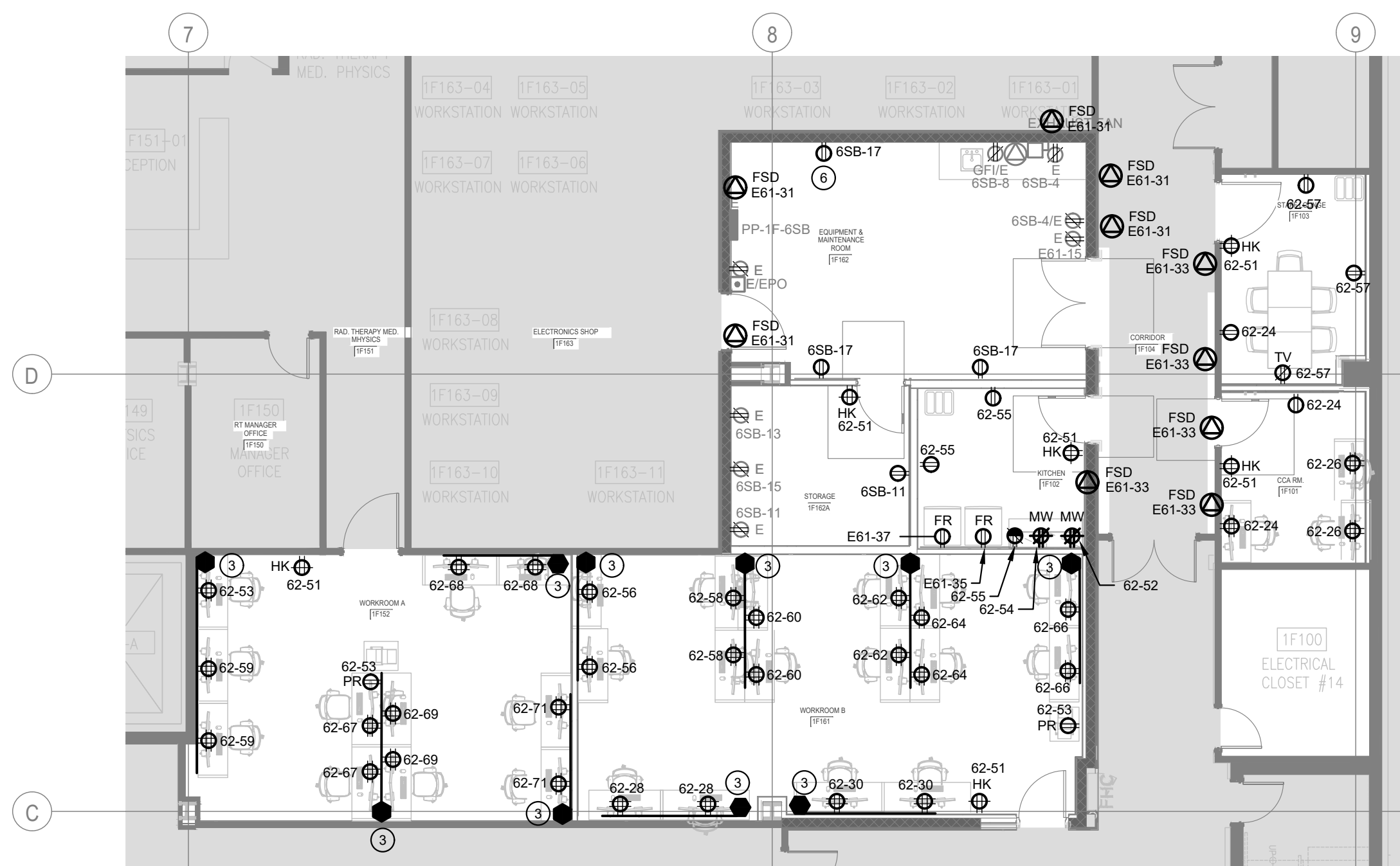
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1 PART PLAN 1 - POWER NEW WORK
E300 1:100



2 PART PLAN 02 - POWER NEW WORK
E300 1:100



3 PART PLAN 02 - POWER NEW WORK
E300 1:100

DETAIL DRAWING NOTES:

- REFER TO DRAWING E-701 FOR ADDITIONAL POWER AND SYSTEMS LAYOUT.
- PROVIDE 120V POWER CONNECTION TO TRANSFORMERS FOR PLUMBING FIXTURES.
- EXACT LOCATION AND ELECTRICAL REQUIREMENT TO BE COORDINATED WITH FURNITURE MANUFACTURER. PROVIDE DIRECT CONNECTION TO THE FURNITURE OR WIREMOLD AND ALL OTHER ACCESSORIES AS REQUIRED.
- PROVIDE ACCESS PANEL IN THE CEILING FOR DISCONNECT SWITCHES.
- PROVIDE IEC 60309, BLUE, 230V 50/60 Hz, 16A, 2-POLE, 3-WIRE GROUNDING RECEPTACLE FED FROM HALCYON MDP (MAIN DISCONNECT PANEL) FOR CONSOLE CABINET POWER.
- INDICATED RECEPTACLES TO BE INSTALLED VIA SURFACE MOUNTED JUNCTION BOX AND CONDUIT.

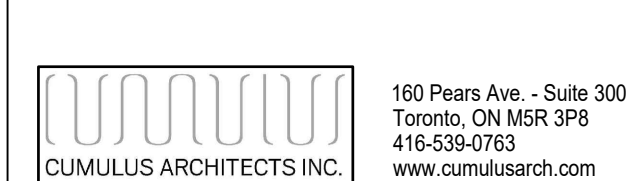
GENERAL NOTES:

- LABEL RECEPTACLES LOCATED WITHIN THE PATIENT CARE ENVIRONMENT NOT INTENDED FOR PATIENT CARE USE. WITH PERMANENT LABEL NOTING "NOT FOR PATIENT USE" AS PER CSA Z32.
- REFER TO DRAWING E-900 FOR MSU DETAILS.
- POWER CIRCUITING IDENTIFICATION TO BE PREFIXED BY "PP-1F-" TO INCLUDE FULL PANEL NAMING. REFER TO DRAWING E-700 FOR ENLARGED ELECTRICAL ROOMS AND PANEL LOCATIONS.
- COORDINATE WIRING OF FIRE ALARM DUCT SMOKE DETECTOR AND FIRE/SMOKE DAMPER WITH MECHANICAL CONTROLS CONTRACTOR TO CLOSE ASSOCIATED DAMPER UPON DETECTOR ACTIVATION. DUCT SMOKE DETECTOR SHALL BE INSTALLED IN ACCORDANCE WITH ULC S524 AND COORDINATED WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.

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2	ISSUED FOR MOH 1.3/2.1/2.2	2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/09/19

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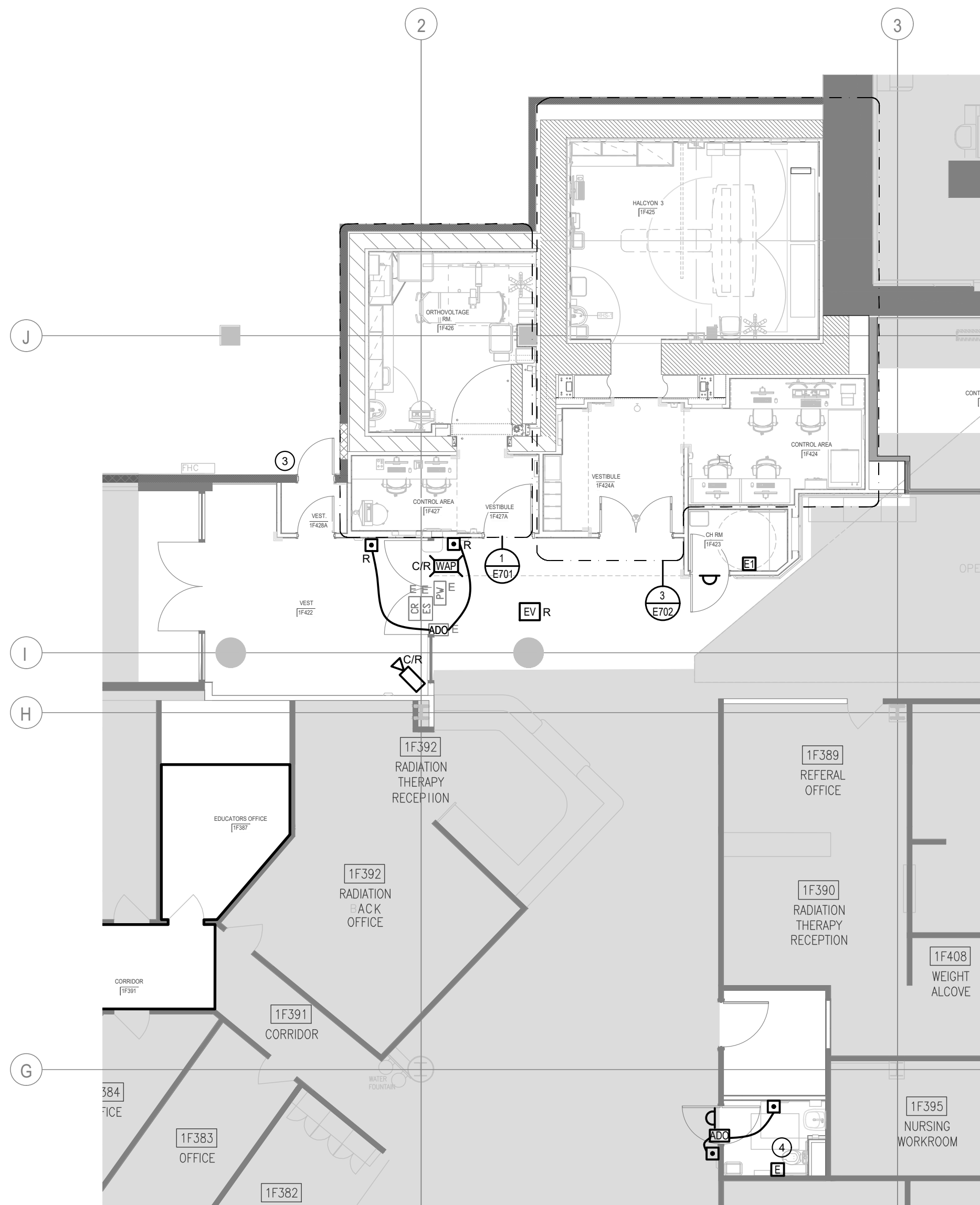
PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
**GROUND FLOOR
POWER NEW WORK**

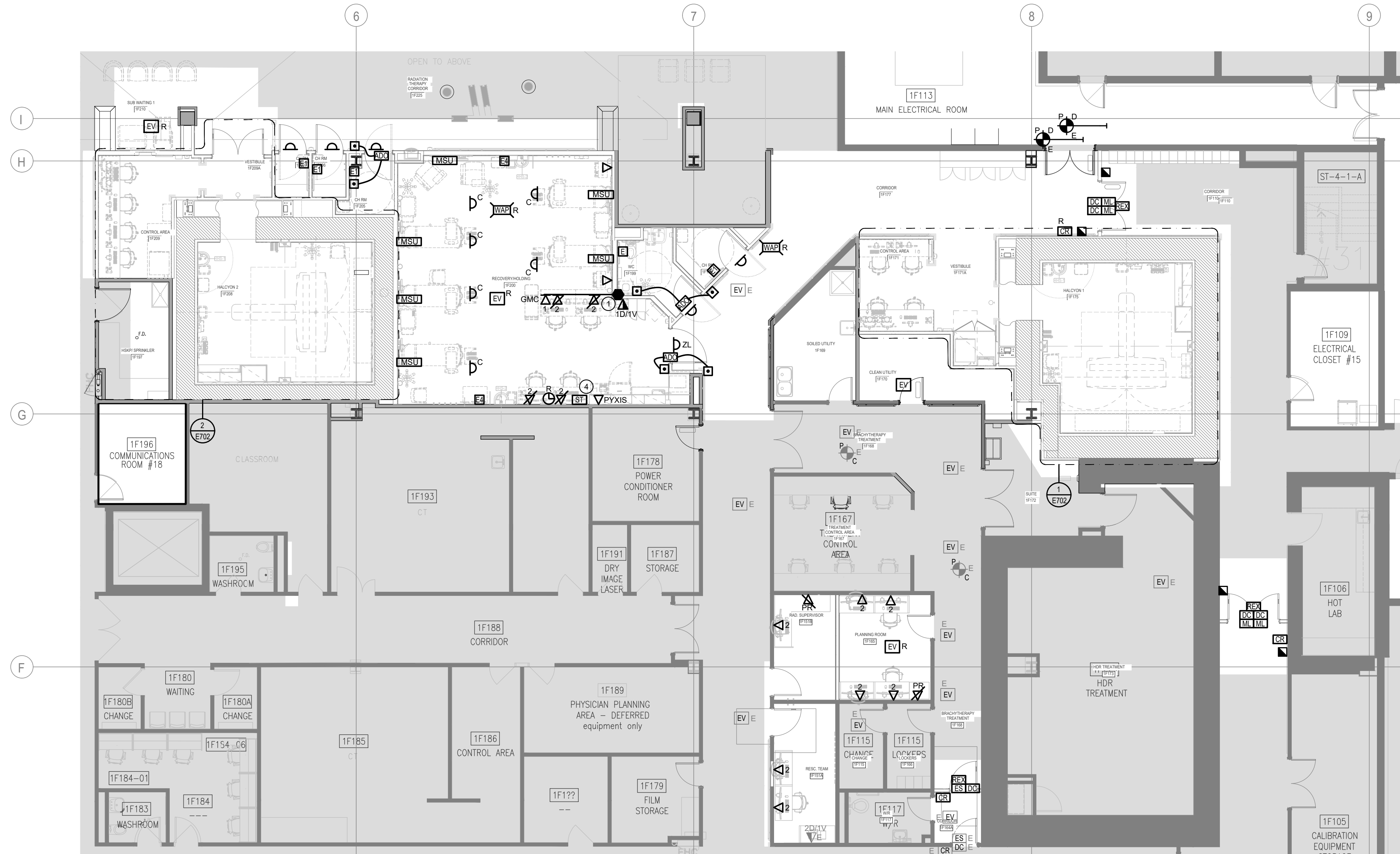
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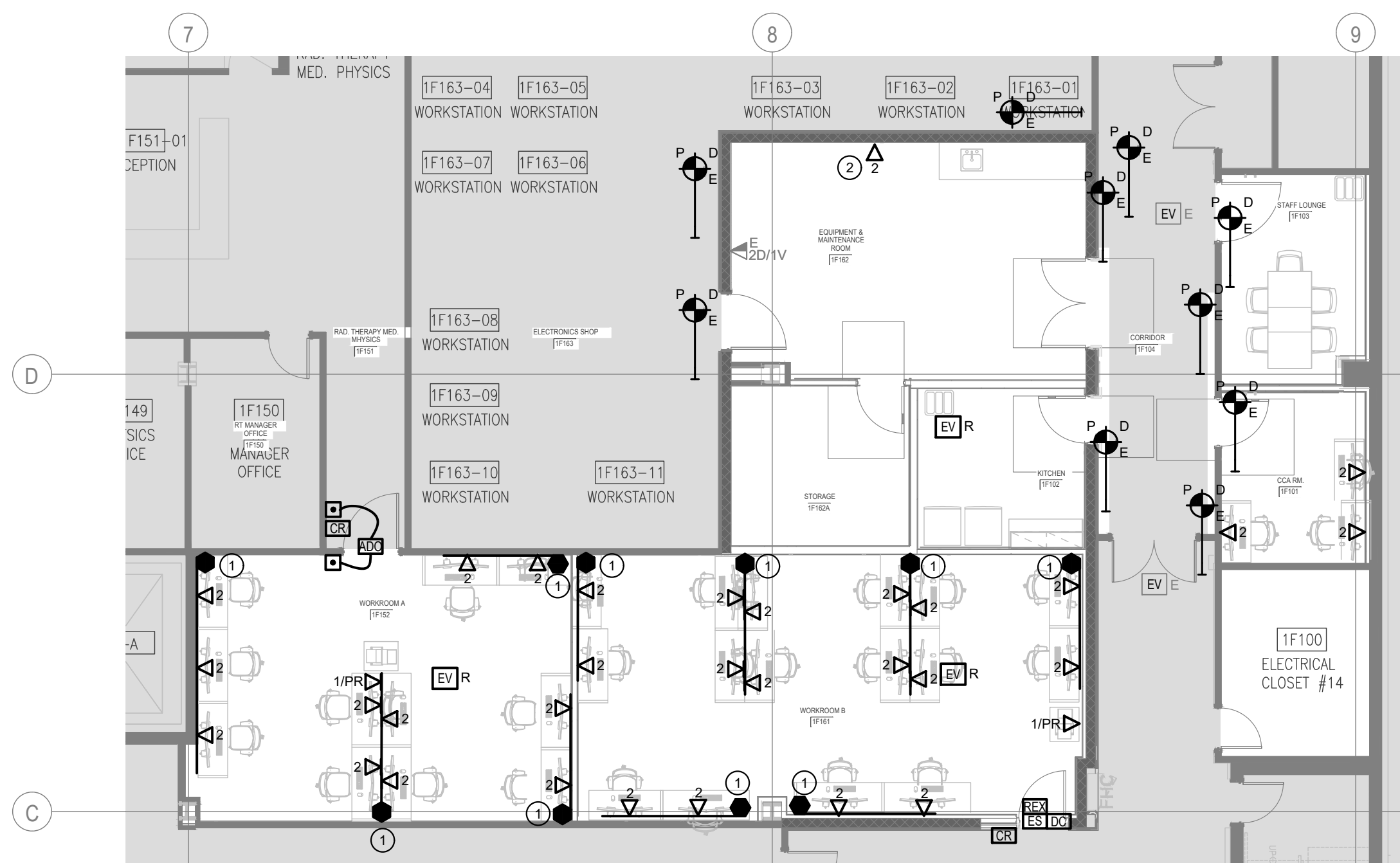
E300



1 PART PLAN 01 - SYSTEMS & FIRE ALARM NEW WORK
E400 1:100



2 PART PLAN 02 - SYSTEMS & FIRE ALARM NEW WORK
E400 1:100



3 PART PLAN 03 - SYSTEMS & FIRE ALARM NEW WORK
E400 1:100

DETAIL DRAWING NOTES:

- EXACT LOCATION AND ELECTRICAL REQUIREMENT TO BE COORDINATED WITH FURNITURE MANUFACTURER. PROVIDE DIRECT CONNECTION TO THE FURNITURE OR WIREMOLD AND ALL OTHER ACCESSORIES AS REQUIRED.
- INDICATED DATA OUTLET TO BE INSTALLED VIA SURFACE MOUNTED JUNCTION BOX AND CONDUIT.
- REMOVE AND REINSTALL EXISTING ALARM BOX TO ADJACENT WALL. REFER TO DRAWING 2/E701 FOR DETAILS.
- NURSE CALL EQUIPMENT TO BE CONNECTED TO THE NEAREST EXISTING STAFF TERMINAL OR THE EXISTING MASTER STATION WITHIN THE BUILDING. CONTRACTOR TO LOCATE THE EXISTING TERMINALS/STATIONS ON SITE.

GENERAL SYSTEMS NOTES:

- CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM DEVICE CIRCUIT, AND ADJUST END OF LINE RESISTOR ACCORDINGLY, WHERE POSSIBLE. INSTALL NEW WIRING AS REQUIRED. CONTRACTOR TO INCLUDE COST OF REPLACING ALL INITIATING DEVICES CONNECTED TO THE SAME CIRCUIT. CONFIRM QUANTITY OF DEVICES ON THE EXISTING CIRCUIT WITH EXISTING FIRE ALARM SYSTEM VENDOR. REFER TO GENERAL NOTES ON DRAWING E001.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND QUANTITIES OF AUTOMATIC DOOR OPERATOR PUSHBUTTONS. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE FOR COMPLETE LIST OF DOORS AND DEVICES.
- COORDINATE WIRING OF FIRE ALARM DUCT SMOKE DETECTOR AND FIRE/SMOKE DAMPER WITH MECHANICAL CONTROLS CONTRACTOR TO CLOSE ASSOCIATED DAMPER UPON DETECTOR ACTIVATION. DUCT SMOKE DETECTOR SHALL BE INSTALLED IN ACCORDANCE WITH ULC 8524 AND COORDINATED WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.

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SHEET REVISION

PROJECT:

THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:

GROUND FLOOR FIRE ALARM
SECURITY AND SYSTEMS NEW WORK

PROJECT NO:

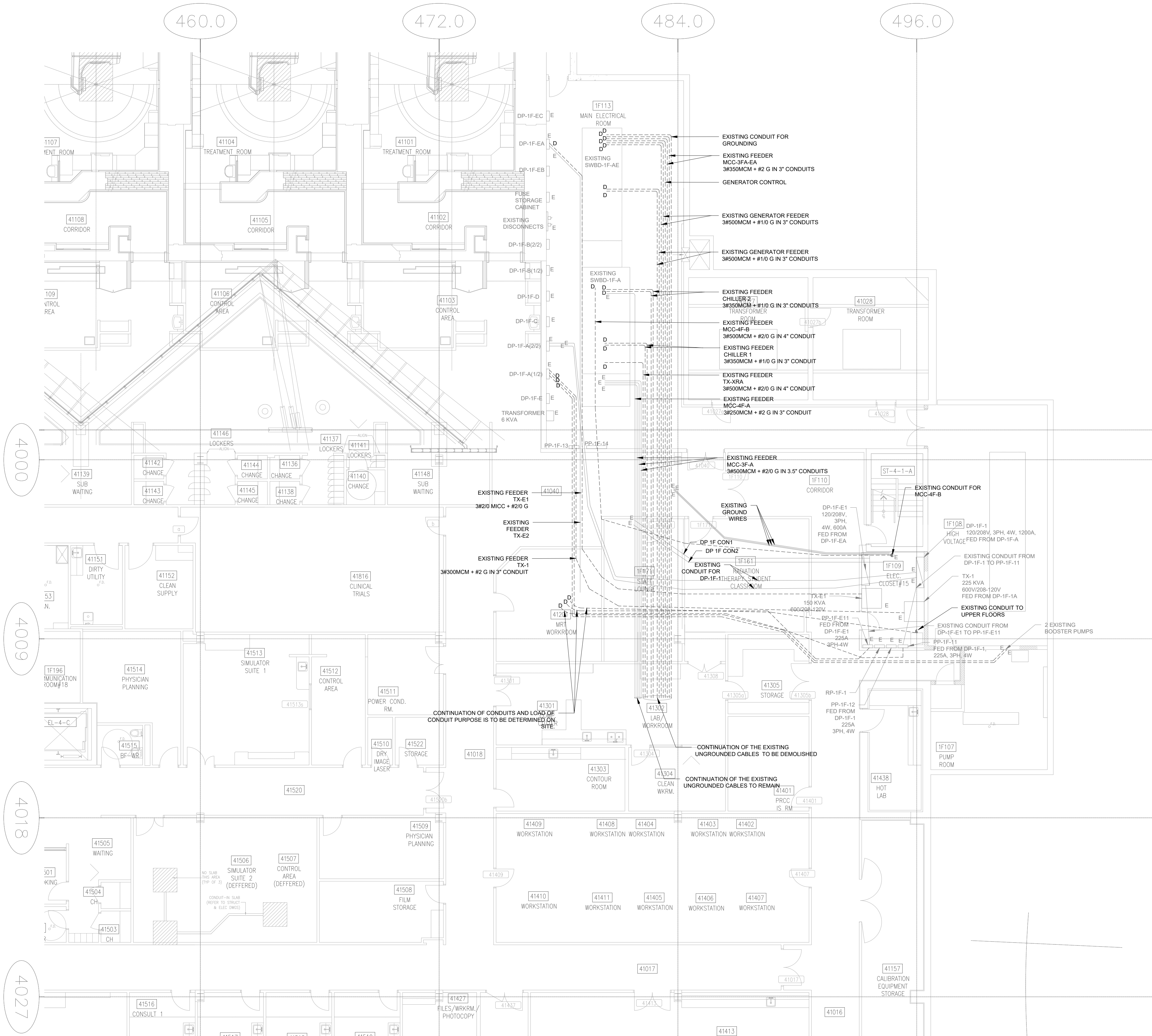
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J.L.

DRAWING NO:

E400



GENERAL DEMOLITION NOTES:

- ALL DEMOLITION WORK SHALL COMPLY WITH
-ONTARIO ELECTRICAL SAFETY CODE (OESC)
-LOCAL BUILDING AND SAFETY REGULATIONS
-PROJECT SPECIFICATIONS AND DEMOLITION SCOPE OF WORK
ONLY QUALIFIED AND LICENSED PERSONNEL SHALL PERFORM ELECTRICAL DEMOLITION. WORK SHALL BE EXECUTED IN A SAFE MANNER TO AVOID INJURY, EQUIPMENT DAMAGE, OR DISRUPTION TO ACTIVE SYSTEMS
- UNLESS OTHERWISE NOTED, ALL ASSOCIATED CONDUITS, BOXES, ACCESSORIES AND CABLES SHALL BE REMOVED BACK TO SOURCE. EXISTING ACTIVE SERVICES SERVING OTHER SERVICES MAY BE EXPOSED DURING EXCAVATION. DEMOLITION OF WALLS AND CEILINGS WHICH MUST BE RELOCATED TO SUIT THE NEW FLOOR LAYOUT. THE EXISTING ACTIVE SERVICE SERVING OUTSIDE OF DEMOLITION SCOPE AREA SHALL BE PROMPTLY REPORTED TO THE CONSULTANTS ATTENTION FOR RESOLUTION. THIS DRAWING MAY NOT CAPTURE EXACT QUANTITIES OF DEVICES TO BE REMOVED.
- COORDINATE ALL DEMOLITION WORK WITH GENERAL CONTRACTOR AND STRUCTURAL WORKS. VISIT THE SITE DURING THE TENDERING PERIOD TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK AND TO BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS TO MEET IN CARRYING OUT THE SAME. REQUEST FOR EXTRAS WILL NOT BE CONSIDERED FOR FAILURE TO PROPERLY EVALUATE CONDITIONS WHICH AFFECT THE SCOPE OF DEMOLITION WORK.
- CONTRACTOR TO ALLOW FOR SURVEYING AND SCANNING OF THE EXISTING AREA AND CONFIRMING UNDERGROUND FEEDER ROUTING IN THE DEMOLITION AREA. ALL WORK RELATED TO TRACING, CONFIRMING AND MAINTAINING EXISTING CIRCUITRY FOR ALL SYSTEMS SHALL BE INCLUDED IN THE SCOPE OF WORK.
- DEMOLISH THE EXISTING ELECTRICAL FEEDERS AS INDICATED ON THE DRAWING. ALL ASSOCIATED CONDUITS, BOXES, ACCESSORIES AND CABLES SHALL BE REMOVED BACK TO SOURCE.
- ALL DEMOLISHED POWER FEEDERS AND SYSTEMS DEVICES AND EQUIPMENT TO BE DISPOSED BY THE CONTRACTOR WITH THE EXCEPTION OF ALL DEMOLISHED EXISTING FIRE ALARM DEVICES WHICH SHALL BE CLEANED AND HANDED OVER TO CLIENT. COORDINATE WITH CLIENT PROJECT MANAGER FOR STORAGE LOCATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY IDENTIFY THE EXACT LOCATION AND ROUTING OF ALL EXISTING UNDERGROUND FEEDERS SCHEDULED FOR DEMOLITION. WHILE DRAWINGS AND DOCUMENTATION MAY PROVIDE GENERAL GUIDANCE, FIELD VERIFICATION IS CRITICAL TO ENSURE THAT:
- ALL RELEVANT FEEDERS ARE CORRECTLY LOCATED AND TRACED ON-SITE.
- UNINTENDED DISCONNECTION OF LIVE OR ACTIVE SYSTEMS IS AVOIDED.
- ADJACENT SYSTEMS NOT INCLUDED IN THE DEMOLITION SCOPE REMAIN UNDISTURBED.
- COORDINATION IS CONDUCTED WITH FACILITY OPERATIONS AND MAINTENANCE PERSONNEL IF REQUIRED.
- THE FEEDERS IDENTIFIED FOR DEMOLITION ARE BASED ON A SCAN SURVEY CONDUCTED BY THE CLIENT. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE CONDITIONS AND FOR IDENTIFYING ANY ADDITIONAL FEEDERS THAT MAY REQUIRE REROUTING BUT ARE NOT SHOWN ON THE DRAWINGS OR CAPTURED IN THE SURVEY.
- THE CONTRACTOR MUST PERFORM A THOROUGH ON-SITE INSPECTION TO ENSURE THAT ALL ACTIVE SYSTEMS ARE PROTECTED, AND THAT NO UNACCOUNTED FEEDERS ARE AFFECTED BY DEMOLITION WORK. ANY DISCREPANCIES OR ADDITIONAL FINDINGS MUST BE REPORTED TO THE ENGINEER FOR FURTHER INSTRUCTION PRIOR TO PROCEEDING.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER SUPPORT AND PROTECTION FOR ALL EXISTING FEEDERS THAT ARE TO REMAIN IN SERVICE. THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE STRUCTURAL AND ARCHITECTURAL TEAM TO CONFIRM THE EXACT BOUNDARIES OF THE EXCAVATION WORK AND ENSURE ALL NECESSARY MEASURES ARE IMPLEMENTED TO PROTECT THE REMAINING SERVICES AND FEEDERS THROUGHOUT THE CONSTRUCTION PROCESS.
- THE CONTRACTOR SHALL COORDINATE WITH THE CLIENT AND CONSULTANT REGARDING ANY ADDITIONAL FEEDERS REQUIRING REROUTING THAT ARE NOT IDENTIFIED ON THE LAYOUTS BUT MAY BE DISCOVERED DURING THE DEMOLITION PROCESS OF THE UNDERGROUND FEEDERS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ON-SITE THE EXACT SIZE OF ALL EXISTING CONDUITS.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ON-SITE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT.
- THE LAYOUT DOES NOT SHOW THE EXACT LOCATION OF EXISTING FEEDERS; LOCATION OF FEEDERS ARE APPROXIMATE AND DIAGRAMMATIC ONLY. CONTRACTOR TO VERIFY ON SITE THE EXACT ROUTE OF EXISTING FEEDERS ON SITE.

CLIENT:



CONSULTANT:



SEAL:



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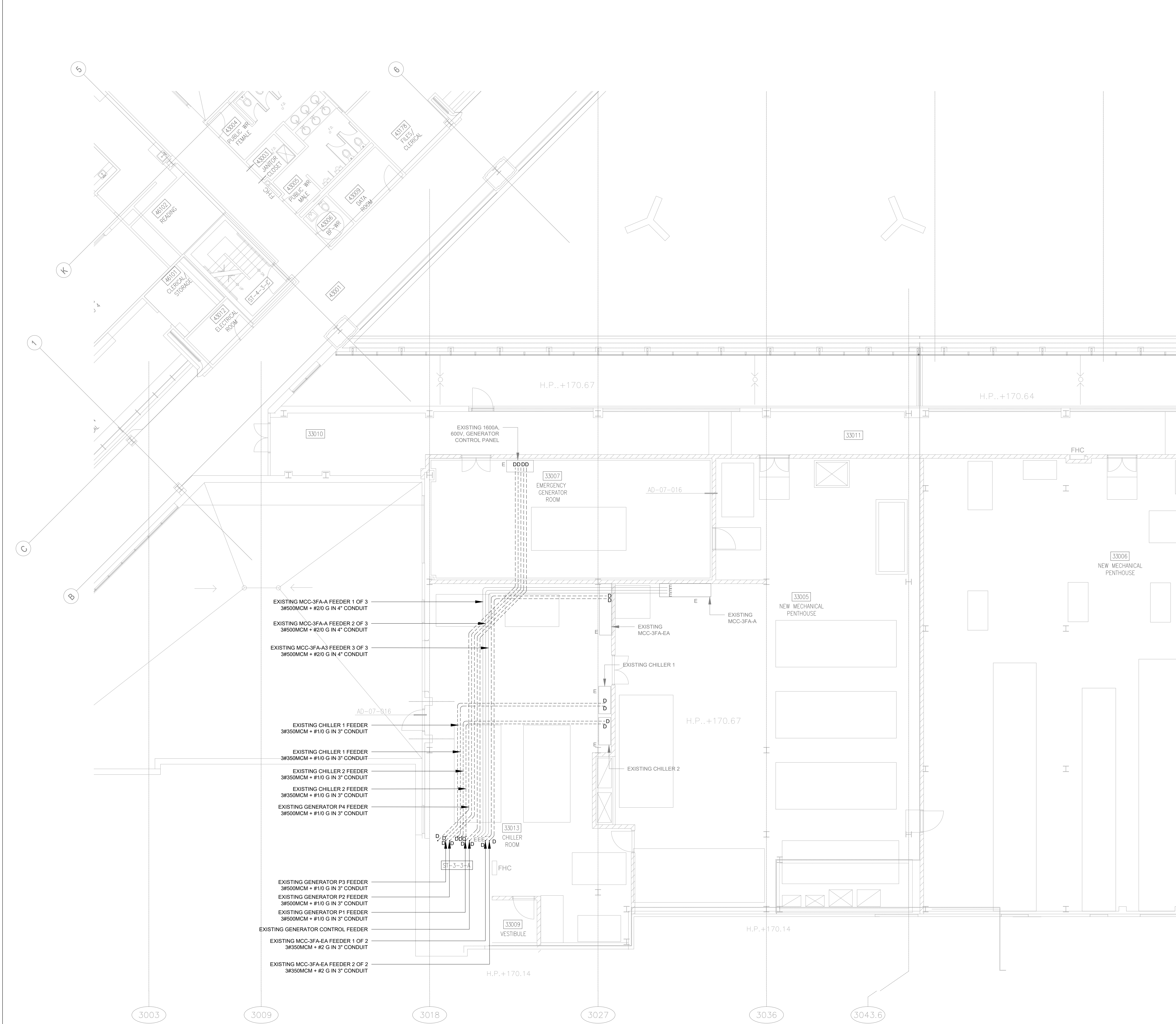
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2	ISSUED FOR CONTRACT DOCUMENT	2025/06/06
1	ISSUED FOR DESIGN DEVELOPMENT	2025/04/29

PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
GROUND FLOOR HALCYON 1
FEEDERS ROUTING DEMOLITION WORKS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

DRAWING NO:
E500



GENERAL DEMOLITION NOTES:

1. ALL DEMOLITION WORK SHALL COMPLY WITH
-ONTARIO ELECTRICAL SAFETY CODE (OESC)
-LOCAL BUILDING AND SAFETY REGULATIONS
-PROJECT SPECIFICATIONS AND DEMOLITION SCOPE OF WORK
ONLY QUALIFIED AND LICENSED PERSONNEL SHALL PERFORM ELECTRICAL DEMOLITION. WORK SHALL BE EXECUTED IN A SAFE MANNER TO AVOID INJURY, EQUIPMENT DAMAGE, OR DISRUPTION TO ACTIVE SYSTEMS
2. UNLESS OTHERWISE NOTED, ALL ASSOCIATED CONDUITS, BOXES, ACCESSORIES AND CABLES SHALL BE REMOVED BACK TO SOURCE. EXISTING ACTIVE SERVICES SERVING OTHER SERVICES MAY BE EXPOSED DURING EXCAVATION, DEMOLITION OF WALLS AND CEILINGS WHICH MUST BE RELOCATED TO SUIT THE NEW FLOOR LAYOUT. THE EXISTING ACTIVE SERVICE SERVING OUTSIDE OF DEMOLITION SCOPE AREA SHALL BE PROMPTLY REPORTED TO THE CONSULTANTS ATTENTION FOR RESOLUTION. THIS DRAWING MAY NOT CAPTURE EXACT QUANTITIES OF DEVICES TO BE REMOVED.
3. COORDINATE ALL DEMOLITION WORK WITH GENERAL CONTRACTOR. VISIT THE SITE DURING THE TENDERING PERIOD TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK AND TO BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS TO MEET IN CARRYING OUT THE SAME. REQUEST FOR EXTRAS WILL NOT BE CONSIDERED FOR FAILURE TO PROPERLY EVALUATE CONDITIONS WHICH AFFECT THE SCOPE OF DEMOLITION WORK.
4. CONTRACTOR TO ALLOW FOR SURVEYING AND SCANNING OF THE EXISTING AREA AND CONFIRMING FEEDER ROUTING IN THE DEMOLITION AREA.
5. DEMOLISH THE EXISTING ELECTRICAL FEEDERS AS INDICATED ON THE DRAWING. ALL ASSOCIATED CONDUITS, BOXES, ACCESSORIES AND CABLES SHALL BE REMOVED BACK TO SOURCE.
6. ALL DEMOLISHED POWER FEEDERS AND SYSTEMS DEVICES AND EQUIPMENT TO BE DISPOSED BY THE CONTRACTOR WITH THE EXCEPTION OF ALL DEMOLISHED EXISTING FIRE ALARM DEVICES WHICH SHALL BE CLEANED AND HANDED OVER TO CLIENT. COORDINATE WITH CLIENT PROJECT MANAGER FOR STORAGE LOCATION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY IDENTIFY THE EXACT LOCATION AND ROUTING OF ALL EXISTING FEEDERS SCHEDULED FOR DEMOLITION. WHILE DRAWINGS AND DOCUMENTATION MAY PROVIDE GENERAL GUIDANCE, FIELD VERIFICATION IS CRITICAL TO ENSURE THAT:
 - ALL RELEVANT FEEDERS ARE CORRECTLY LOCATED AND TRACED ON-SITE.
 - UNINTENDED DISCONNECTION OF LIVE OR ACTIVE SYSTEMS IS AVOIDED.
 - ADJACENT SYSTEMS NOT INCLUDED IN THE DEMOLITION SCOPE REMAIN UNDISTURBED.
 - COORDINATION IS CONDUCTED WITH FACILITY OPERATIONS AND MAINTENANCE PERSONNEL IF REQUIRED.
8. THE FEEDERS IDENTIFIED FOR DEMOLITION ARE BASED ON A SURVEY CONDUCTED ON SITE. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE CONDITIONS AND FOR IDENTIFYING ANY ADDITIONAL FEEDERS THAT MAY REQUIRE REROUTING BUT ARE NOT SHOWN ON THE DRAWINGS OR CAPTURED IN THE SURVEY.
9. THE CONTRACTOR MUST PERFORM A THOROUGH ON-SITE INSPECTION TO ENSURE THAT ALL ACTIVE SYSTEMS ARE PROTECTED, AND THAT NO UNACCOUNTED FEEDERS ARE AFFECTED BY DEMOLITION WORK. ANY DISCREPANCIES OR ADDITIONAL FINDINGS MUST BE REPORTED TO THE ENGINEER FOR FURTHER INSTRUCTION PRIOR TO PROCEEDING.
10. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ON-SITE THE EXACT SIZES AND LOCATIONS OF ALL EXISTING CONDUITS.
11. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ON-SITE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT.

CLIENT:



CONSULTANT:



SEAL:



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1	ISSUED FOR DESIGN DEVELOPMENT	2025/04/29

SHEET REVISION

PROJECT:

THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:

ROOF FLOOR MECHANICAL ROOM
FEEDERS ROUTING DEMOLITION WORKS

PROJECT NO:

CA0003678.3329

CHECKED:

J.L.

DRAWING NO:

E501

1

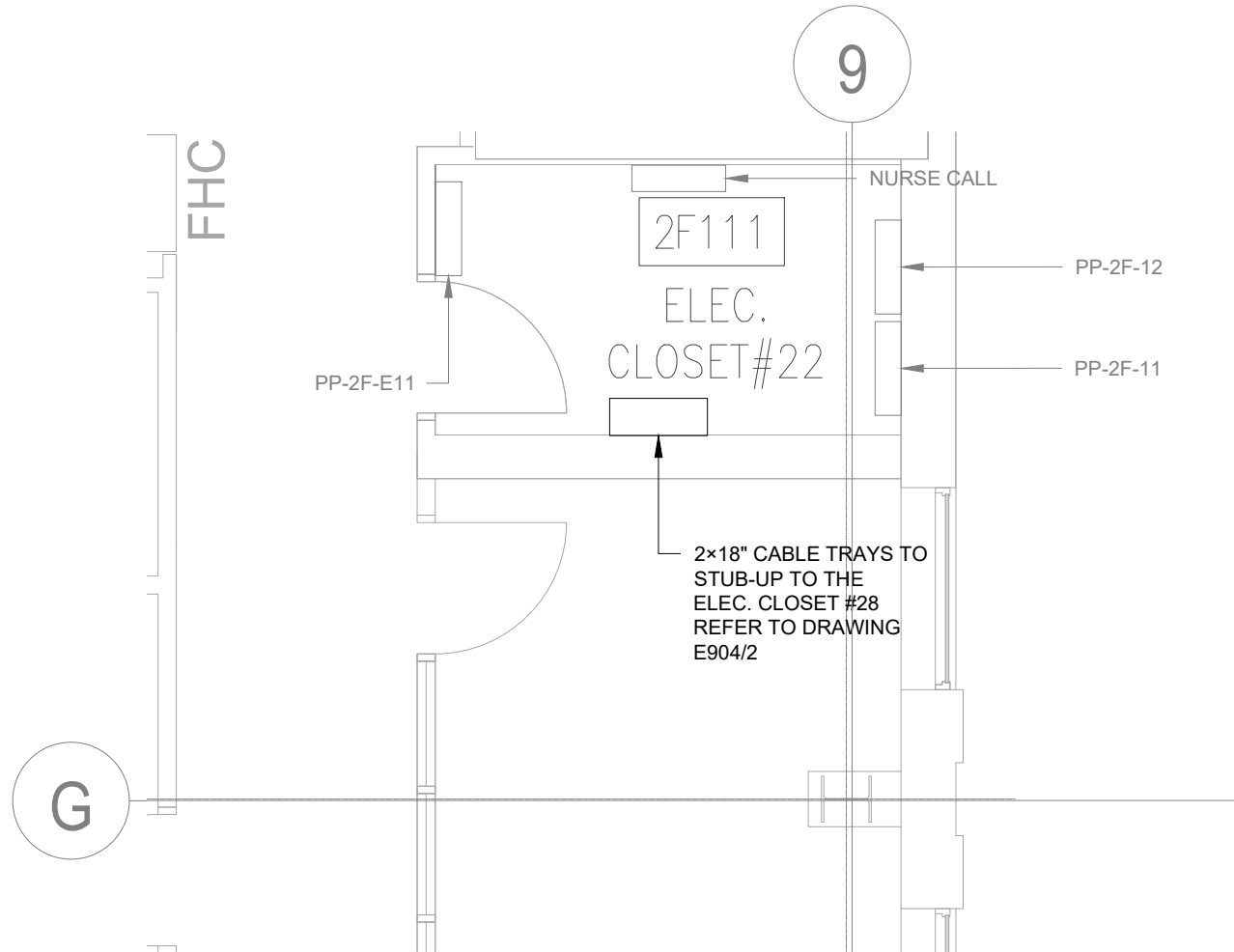
E501

PART PLAN 01 - ROOF FLOOR - MECHANICAL ROOM - FEEDER ROUTING - EXISTING AND DEMOLITION WORKS

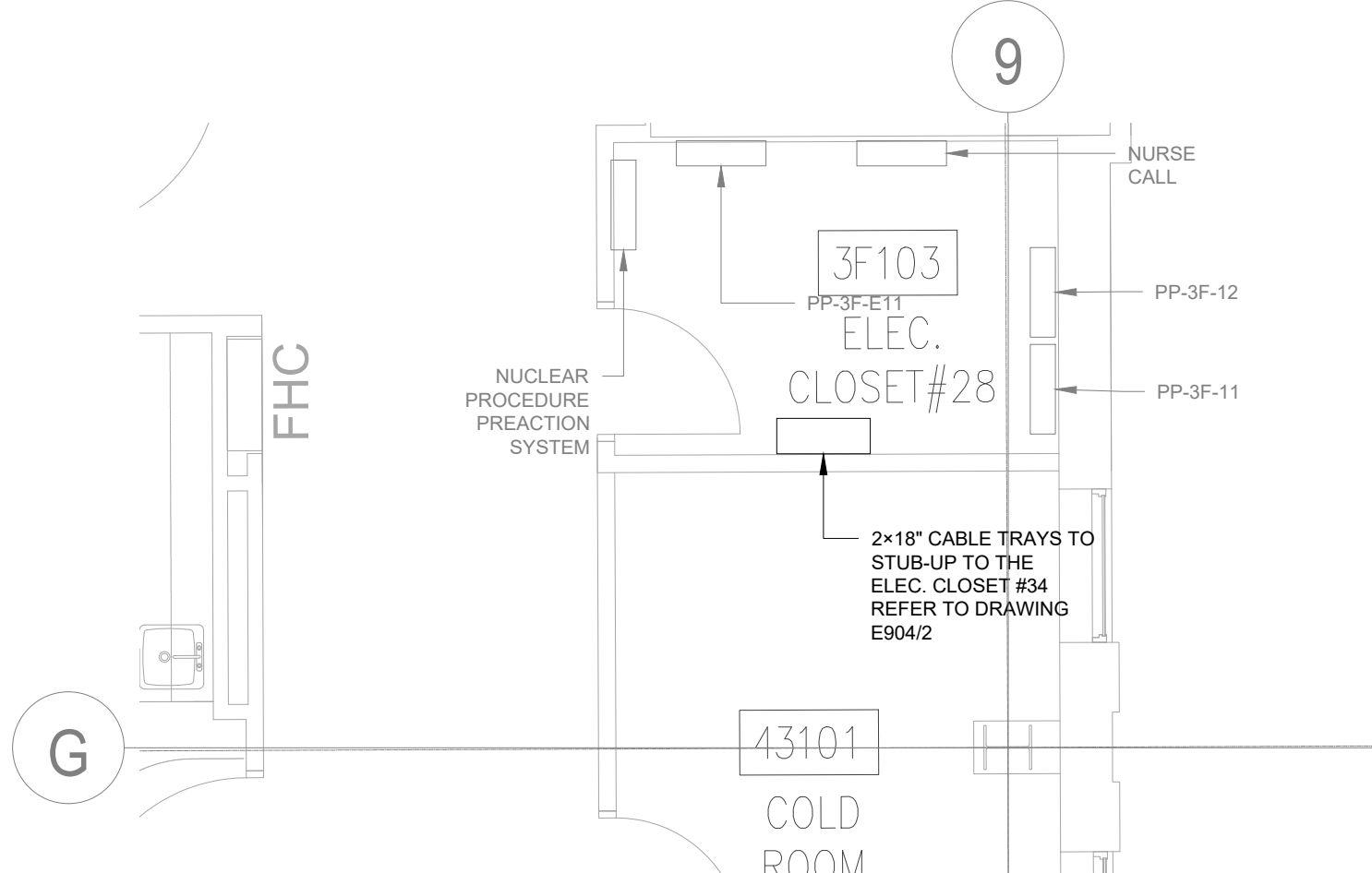
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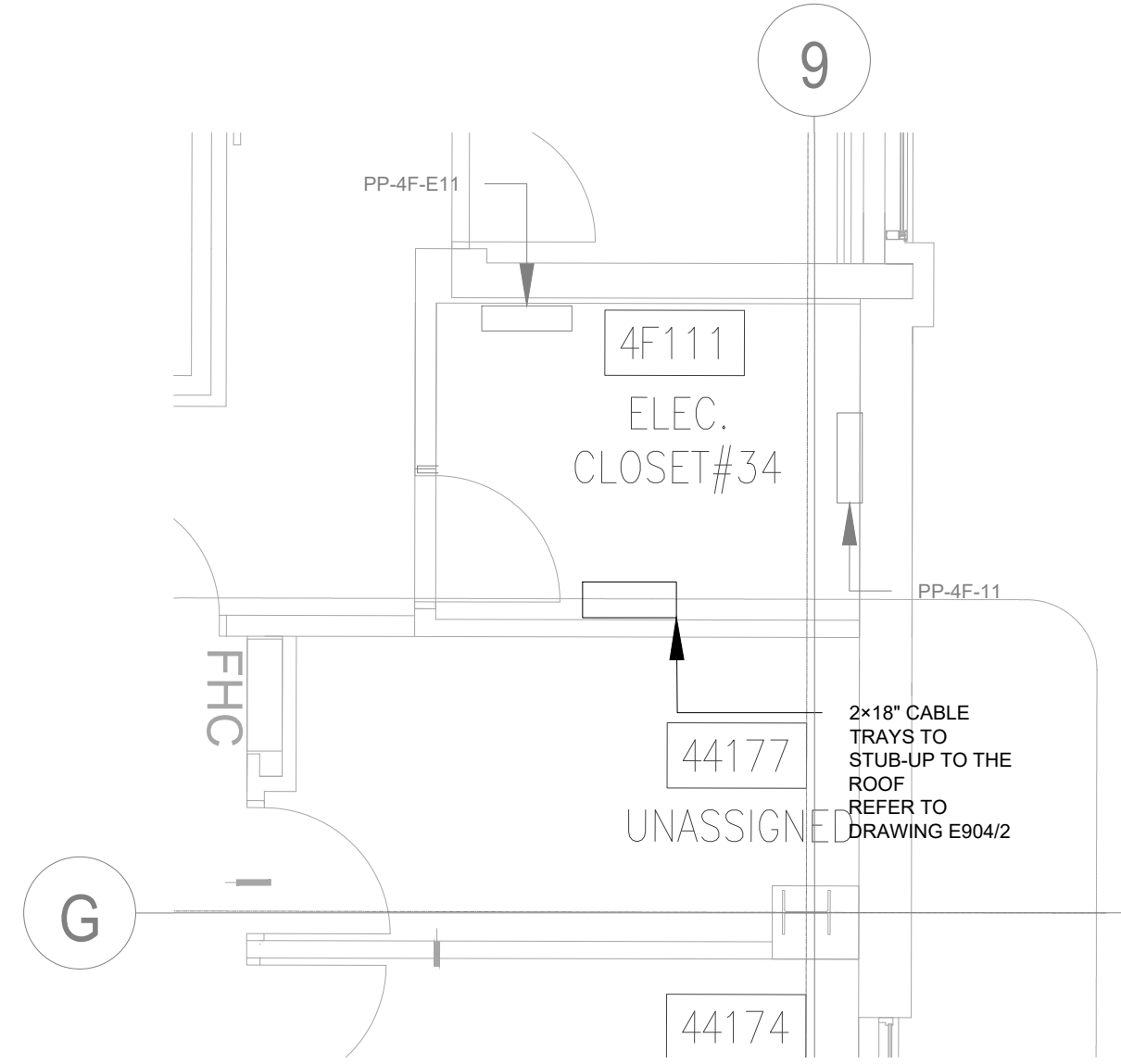
1 PART PLAN - GROUND FLOOR - HALCYON #1 FEEDER ROUTING - NEW WORKS
E502 1:100



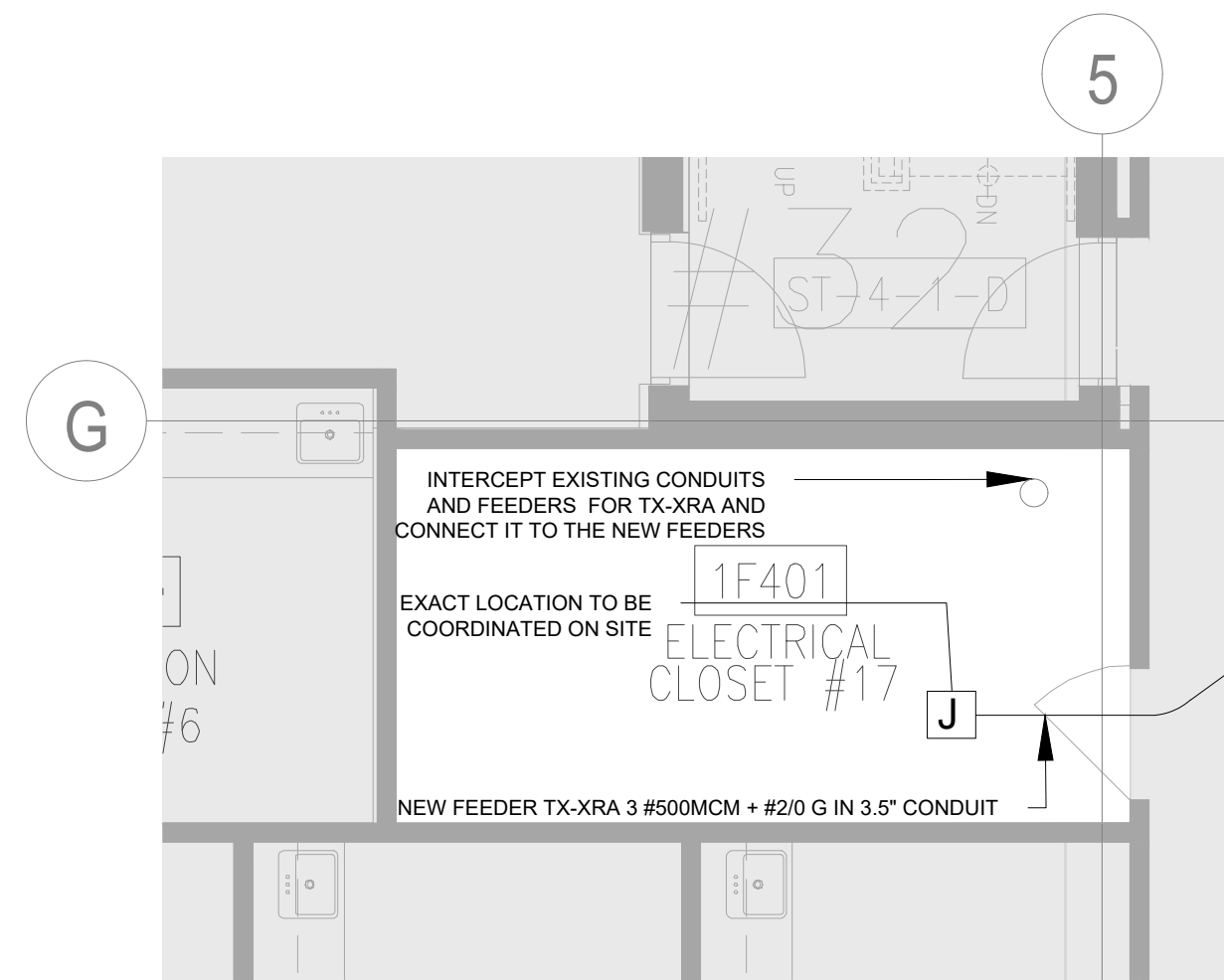
2 PART PLAN - LEVEL 2 2F111 ELECTRICAL CLOSET #22 - FEEDER ROUTING - NEW WORKS
E502 1:50



3 PART PLAN - LEVEL 3 3F103 ELECTRICAL CLOSET #28 - FEEDER ROUTING - NEW WORKS
E502 1:50



4 PART PLAN - LEVEL 4 4F111 ELECTRICAL CLOSET #34 - FEEDER ROUTING - NEW WORKS
E502 1:50



5 PART PLAN - GROUND FLOOR 1F401 ELECTRICAL CLOSET #17 - FEEDER ROUTING - NEW WORKS
E502 1:50

ELECTRICAL DRAWING NOTES:

- CONTRACTOR TO RELOCATE THE EXISTING CONDUITS AND GROUND COPPER BARS TO ALLOW THE INSTALLATION OF THE NEW CONDUITS AND CABLE TRAYS.
- CONTRACTOR TO RELOCATE MECHANICAL EQUIPMENT AS NECESSARY TO ALLOW FOR PROPER INSTALLATION OF CONDUITS AND CABLE TRAYS IN ELECTRICAL ROOMS.
- CONTRACTOR TO VERIFY ON SITE THE EXACT PATH OF THE ROUTING OF FEEDERS.
- CONTRACTOR TO COORDINATE WITH ARCHITECTS, STRUCTURAL, AND MECHANICAL ENGINEERS FOR THE EXACT ROUTING OF FEEDERS ON SITE.
- FOR THE EXACT LOCATIONS OF MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS.
- CONTRACTOR TO COORDINATE ON SITE WITH STRUCTURAL THE EXACT LOCATIONS OF OPENINGS INSIDE THE ELECTRICAL ROOMS.
- CONTRACTOR TO VERIFY ON SITE THE EXACT LOCATIONS OF ELECTRICAL EQUIPMENT. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL THE EXACT LOCATIONS OF PENETRATION OF FEEDERS TO THE EXISTING LOW VOLTAGE SWITCHGEARS.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL THE NECESSARY ACCESSORIES AND EQUIPMENT FOR THE PROPER INSTALLATION OF NEW FEEDERS ON SITE AND THE CONNECTIONS TO THE EXISTING EQUIPMENT AND SWITCHGEARS.
- ALL WIRING FOR MECHANICAL EQUIPMENT TO BE COMPLETED BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILED SCOPE OF WORK AND COORDINATION OF EXACT LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR ANY RELOCATION OF EXISTING EQUIPMENT NEEDED TO ALLOW FOR THE NEW FEEDERS TO PASS THROUGH.
- FOR TX-XRA, CONTRACTOR SHALL INTERCEPT THE EXISTING CONDUITS AND FEEDERS AND CONNECT THEM TO THE NEW FEEDERS COMING FROM MAIN ELECTRICAL INSIDE ELECTRICAL ROOM 1F401 (ELECTRICAL CLOSET #17).
- FOR MCC-4F-B, CONTRACTOR SHALL INTERCEPT THE EXISTING CONDUITS AND FEEDERS AND CONNECT THEM TO THE NEW FEEDERS COMING FROM MAIN ELECTRICAL INSIDE ELECTRICAL ROOM 1F09 (ELECTRICAL CLOSET #15).
- FEEDER THAT ARE PASSING INSIDE THE OPENINGS OF THE ELECTRICAL ROOMS ARE:
 - 3 RUNS OF (3, 1C #650MCM MICC) FOR GENERATOR
 - 2 RUNS OF (3, 1C #350MCM MICC) FOR MCC -3FA-EA
 - 2 RUNS OF 3#350 TECK FOR CHILLER 1
 - 2 RUNS OF 3#350 TECK FOR CHILLER 2
 - 1C #40 G MICC
 - GENERATOR CONTROLREFER TO SHEET E904/2 FOR CROSS SECTION DETAILS.
- ALL MICC AND TECK CABLES SHALL BE INSTALLED ON A GALVANIZED STEEL CABLE TRAY.
- CONTRACTOR TO DETERMINE ON SITE THE EXACT LOCATIONS OF ALL JUNCTION BOXES AND PROVIDE THE NECESSARY ACCESSORIES AND COORDINATE THE INSTALLATION.
- CONTRACTOR TO PROVIDE THE REQUIRED SPLICING TO ENSURE PROPER INSTALLATION OF FEEDERS.
- CONTRACTOR TO PROVIDE A MAXIMUM OF 6 FEET SPACING SUPPORT AND STRAPS/GEAR CLAMPS WHERE REQUIRED.
- FOR CABLE TRAY LAYOUT, REFER TO DRAWING E904.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTS AND EXECUTING ANY ADDITIONAL CEILING REMOVAL REQUIRED TO ENSURE THE PROPER INSTALLATION OF THE FEEDER ON SITE.

CLIENT:

Trillium Health Partners
2200 Eglinton Avenue West
Mississauga, ON L5M 2N1
905 813 2200
thp.ca

CONSULTANT:

CUMULUS ARCHITECTS INC.
160 Pears Ave. - Suite 300
Toronto, ON M5R 3P8
416-539-0763
www.cumulusarch.com

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1	ISSUED FOR DESIGN DEVELOPMENT	2025/04/29

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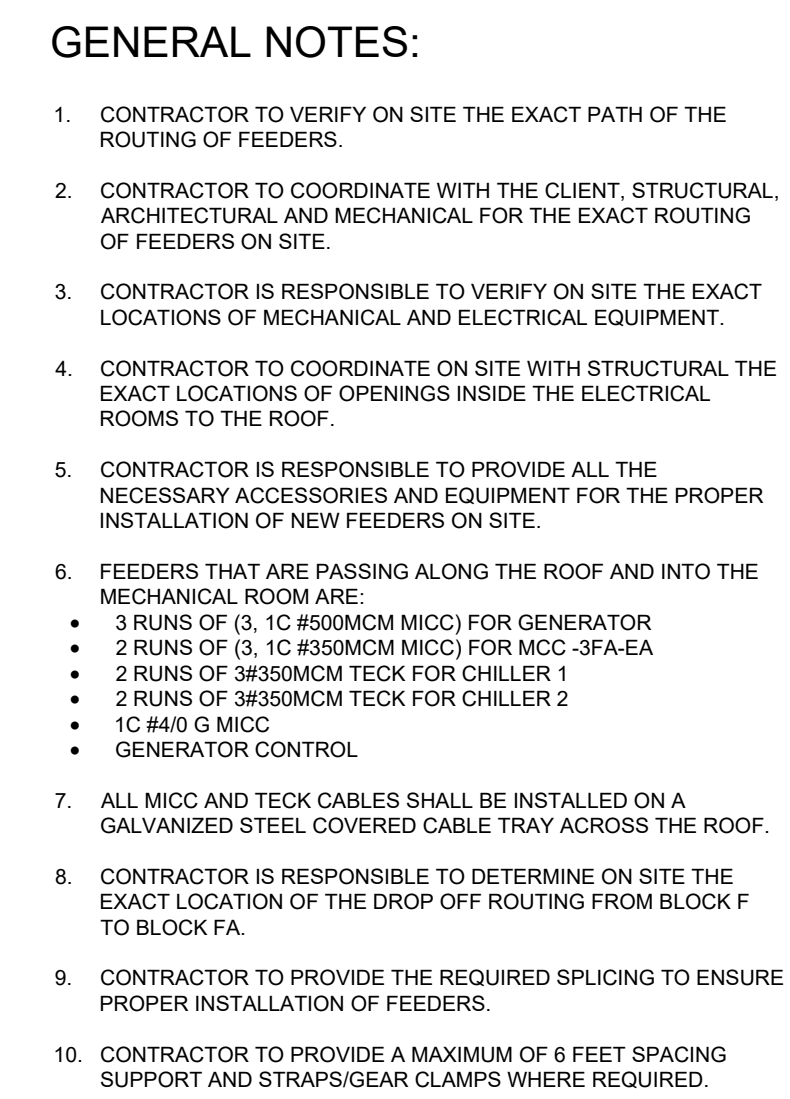
PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
GROUND FLOOR HALCYON 1
FEEDERS ROUTING NEW WORKS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.


DRAWING NO:

E502



<p>CLIENT:</p>	
 <p>Trillium Health Partners</p>	<p>2200 EGLINTON AVENUE WEST MISSISSAUGA, ON L5M 2N7 905 813 2200 tbp.ca</p>
CONSULTANT:	
 <p>CUMULUS ARCHITECTS INC.</p>	<p>160 PEARS AVE. - SUITE 300 TORONTO, ON M5R 3P8 416-539-0763 www.cumulusarch.com</p>

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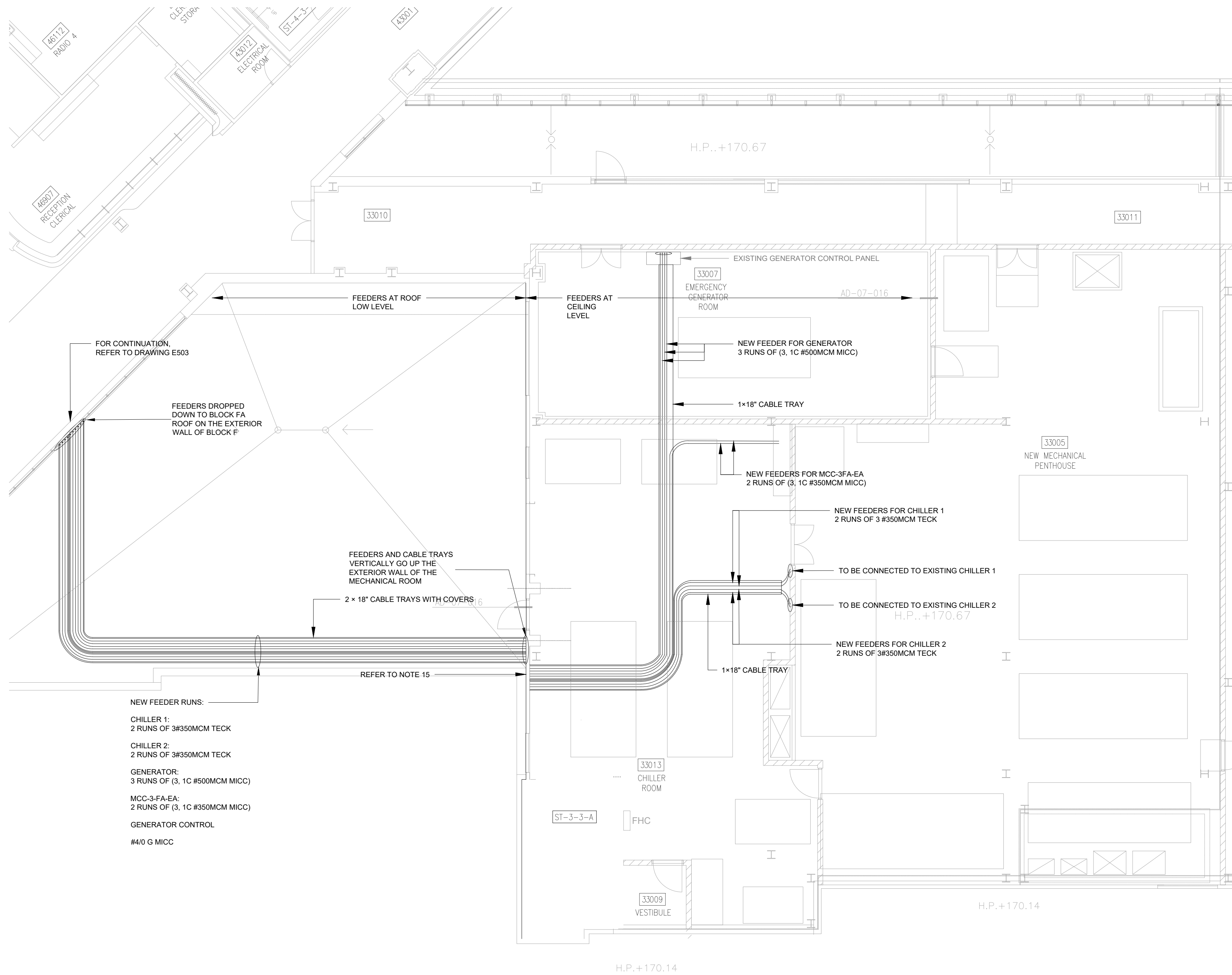
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2	ISSUED FOR CONTRACT DOCUMENT	2025/06
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PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE: ROOF FLOOR FEEDERS ROUTING NEW WORK	
PROJECT NO: CA0003678.3329	DRAWING NO: E503
CHECKED: J.L.	



ELECTRICAL DRAWING NOTES:

- CONTRACTOR TO RELOCATE MECHANICAL EQUIPMENT AS NECESSARY TO ALLOW FOR PROPER INSTALLATION OF CONDUITS IN ELECTRICAL ROOMS.
- CONTRACTOR TO VERIFY ON SITE THE EXACT PATH OF THE ROUTING OF FEEDERS.
- CONTRACTOR TO COORDINATE WITH ARCHITECTS, STRUCTURAL, AND MECHANICAL ENGINEER FOR THE EXACT ROUTING OF FEEDERS ON SITE.
- CONTRACTOR IS RESPONSIBLE TO VERIFY ON SITE THE EXACT LOCATIONS OF MECHANICAL AND ELECTRICAL EQUIPMENT.
- CONTRACTOR TO COORDINATE ON SITE WITH STRUCTURAL THE EXACT LOCATIONS OF OPENINGS INTO THE MECHANICAL ROOM.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL THE NECESSARY ACCESSORIES AND EQUIPMENT FOR THE PROPER INSTALLATION OF NEW FEEDERS ON SITE.
- ALL WIRING FOR MECHANICAL EQUIPMENT TO BE COMPLETED BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILED SCOPE OF WORK AND COORDINATION OF THE EXACT LOCATIONS.
- FEEDERS THAT ARE PASSING ALONG THE ROOF AND INTO THE MECHANICAL ROOM ARE:
 - 3 RUNS OF (3, 1C #500MCM MICC) FOR GENERATOR
 - 2 RUNS OF (3, 1C #350MCM MICC) FOR MCC-3FA-EA
 - 2 RUNS OF 3#350MCM TECK CABLE FOR CHILLER 1
 - 2 RUNS OF 3#350MCM TECK CABLE FOR CHILLER 2
 - GROUND CABLEREFER TO SHEET E904/3 FOR CROSS SECTION DETAILS.
- ALL MICC AND TECK CABLES SHALL BE INSTALLED ON A GALVANIZED STEEL COVERED CABLE TRAY ACROSS THE ROOF.
- CONTRACTOR TO PROVIDE THE REQUIRED SPLICING TO ENSURE PROPER INSTALLATION OF FEEDERS.
- CONTRACTOR TO PROVIDE A MAXIMUM OF 6 FEET SPACING SUPPORT AND STRAPS/GEAR CLAMPS WHERE REQUIRED.
- FOR CABLE TRAY LAYOUT, REFER TO DRAWING E904.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORT AND EXECUTING ANY ADDITIONAL CEILING REMOVAL REQUIRED TO ENSURE THE PROPER INSTALLATION OF THE FEEDER ON SITE.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL THE NECESSARY SUPPORTS AND ACCESSORIES FOR THE INSTALLATION OF CABLE TRAYS ON ROOF, VERTICAL WALLS OF BUILDING BLOCK F AND FA.
- FEEDER AND CABLE TRAY ROUTING SHALL BE INSTALLED VERTICALLY UPWARDS AND TRANSITIONED WITH A 90-DEGREE TURN TO AVOID INTERFERENCE WITH THE EXISTING STRUCTURAL BEAM. REFER TO ARCHITECTURAL DETAIL IN DWG-A207.

CLIENT:



Trillium Health Partners

2200 Eglinton Avenue West
Mississauga, ON L5M 2N1
905 813 2200
thp.ca

CONSULTANT:



CUMULUS ARCHITECTS INC.

160 Pears Ave. - Suite 300
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SHEET REVISION

PROJECT:

THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:

ROOF FLOOR MECHANICAL ROOM
FEEDERS ROUTING NEW WORKS

PROJECT NO:

CA0003678.3329

CHECKED:

J.L.

DRAWING NO:

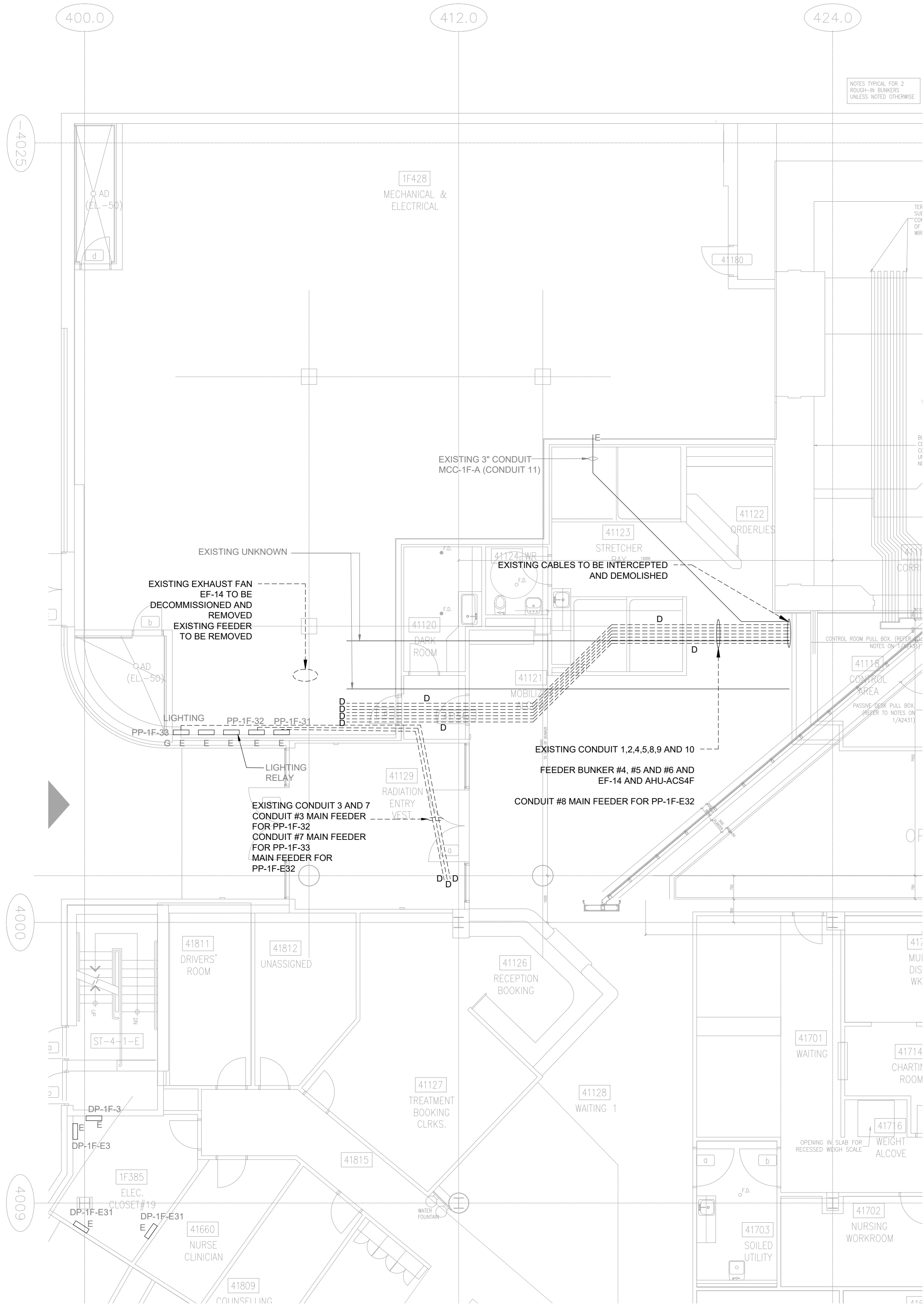
E504

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E504

PART PLAN 01 - ROOF FLOOR - MECHANICAL ROOM - FEEDER ROUTING - NEW WORKS

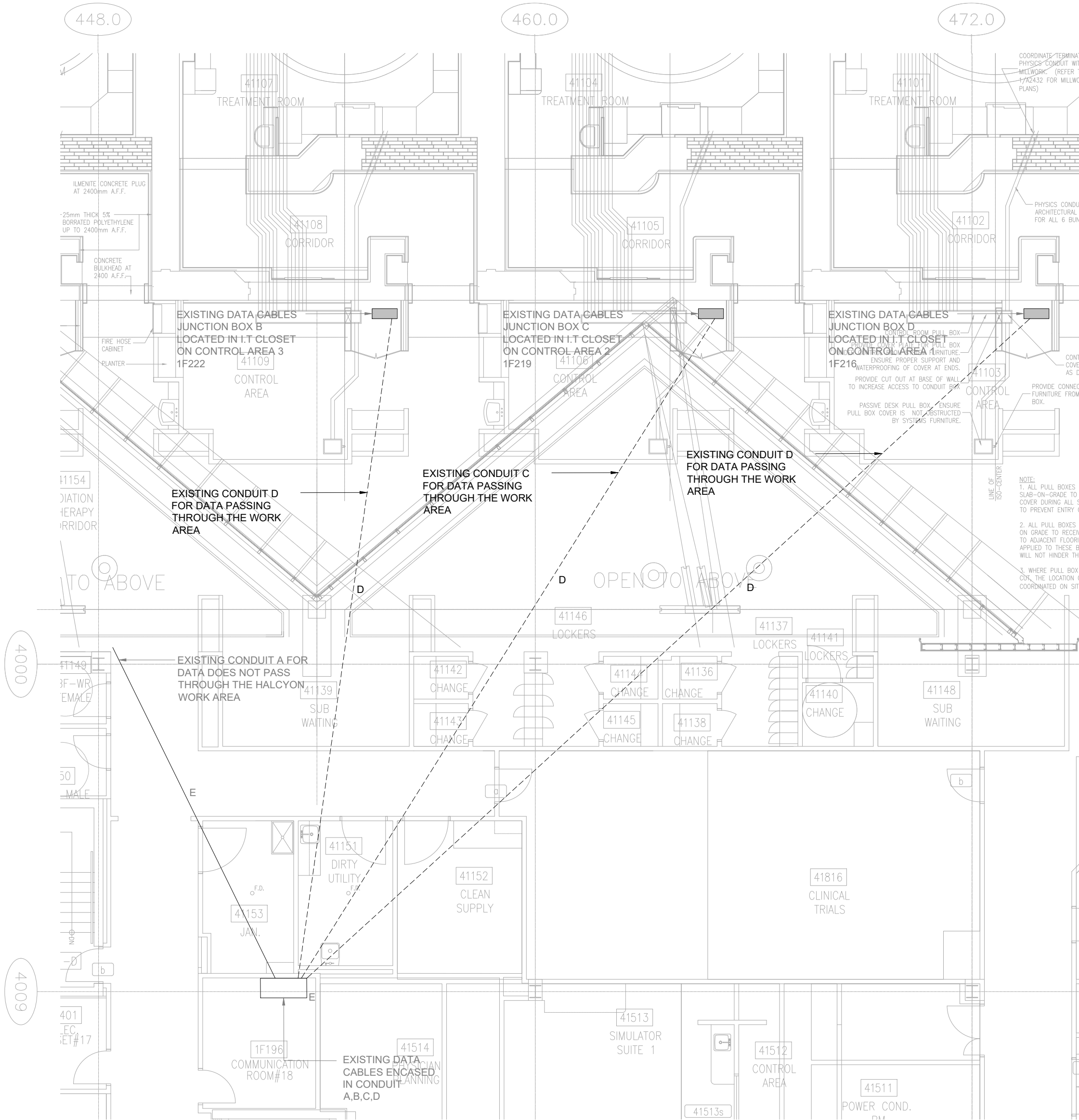
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1 PLAN - GROUND FLOOR HALCYON #3 - FEEDER ROUTING - EXISTING AND DEMOLITION WORKS
E505 1:100

HALCYON #3 DRAWING NOTES:

- ALL MARKINGS REFLECTS SERVICES THAT WERE EITHER, VISIBLE ON GPR DATA WITHIN 18" DEPTH, OR ACTIVELY TONED AND LOCATED USING INDUCTION CLAMPING.
- PLUMBING AT DEPTH DEEPER THEN 18" NOT REFLECTED IN MARKINGS.
- SLAB THICKNESS WAS OBSERVED TO RANGE FROM 5"-7" WITH WIRE MESH REINFORCEMENTS.
- THE MAIN INCOMING FEEDERS FOR EACH OF THE PANEL PP-2F-32, PP-1F-E32 AND PP-1F-33 ARE FROM DP-1F-E3 AND DP-1F-3 IN ELECTRICAL CLOSET #19.
- ACCORDING TO THE CONDUIT SCAN REPORT, CONDUIT #3 AND #7 RUNS DOWN SOUTH TOWARDS THE ELECTRICAL CLOSET #19, HOWEVER, CONDUIT #8 WHICH IS SUPPOSED TO BE FEEDING FROM ELECTRICAL CLOSET #19 RUNS TOWARDS THE BUNKER #6 AREA.
- CONTRACTOR TO PROVIDE CAREFUL EXCAVATION TO REVEAL ANY UNIDENTIFIED CONDUITS AND PIPING THAT COULD NOT BE REVEALED IN SURVEYS AND SCANNING AND EXISTING DRAWINGS.
- FOR DEMOLISHED CONDUITS (UNDER SLAB AND CEILING), THE CONTRACTOR TO DEMOLISH THE FEEDER AND BRANCH WIRING FROM THE SOURCE PANELS PP-1F-31/32/33.



2 PART PLAN - GROUND FLOOR HALCYON #2 - FEEDER ROUTING - EXISTING AND DEMOLITION WORKS
E505 1:100

GENERAL DEMOLITION NOTES

- ALL DEMOLITION WORK SHALL COMPLY WITH:
 - ONTARIO ELECTRICAL SAFETY CODE (OESC)
 - LOCAL BUILDING AND SAFETY REGULATIONS
 - PROJECT SPECIFICATIONS AND DEMOLITION SCOPE OF WORKONLY QUALIFIED AND LICENSED PERSONNEL SHALL PERFORM ELECTRICAL DEMOLITION. WORK SHALL BE EXECUTED IN A SAFE MANNER TO AVOID INJURY, EQUIPMENT DAMAGE, OR DISRUPTION TO ACTIVE SYSTEMS.
- UNLESS OTHERWISE NOTED, ALL ASSOCIATED CONDUITS, BOXES, ACCESSORIES AND CABLES SHALL BE REMOVED BACK TO SOURCE. EXISTING ACTIVE SERVICES SERVING OTHER SERVICES MAY BE EXPOSED DURING EXCAVATION. DEMOLITION OF WALLS AND CEILINGS WHICH MUST BE RELOCATED TO SUIT THE NEW FLOOR LAYOUT. THE EXISTING ACTIVE SERVICE SERVING OUTSIDE OF DEMOLITION SCOPE AREA SHALL BE PROMPTLY REPORTED TO THE CONSULTANTS ATTENTION FOR RESOLUTION. THIS DRAWING MAY NOT CAPTURE EXACT QUANTITIES OF DEVICES TO BE REMOVED.
- COORDINATE ALL DEMOLITION WORK WITH GENERAL CONTRACTOR AND STRUCTURAL WORKS. VISIT THE SITE DURING THE TENDERING PERIOD TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK AND TO BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS TO MEET IN CARRYING OUT THE SAME. REQUEST FOR EXTRAS WILL NOT BE CONSIDERED FOR FAILURE TO PROPERLY EVALUATE CONDITIONS WHICH AFFECT THE SCOPE OF DEMOLITION WORK.
- CONTRACTOR TO ALLOW FOR SURVEYING AND SCANNING OF THE EXISTING AREA AND CONFIRMING UNDERGROUND FEEDER ROUTING IN THE DEMOLITION AREA. ALL WORK RELATED TO TRACING, CONFIRMING AND MAINTAINING EXISTING CIRCUITRY FOR ALL SYSTEMS SHALL BE INCLUDED IN THE SCOPE OF WORK.
- DEMOLISH THE EXISTING ELECTRICAL FEEDERS AS INDICATED ON THE DRAWING. ALL ASSOCIATED CONDUITS, BOXES, ACCESSORIES AND CABLES SHALL BE REMOVED BACK TO SOURCE.
- ALL DEMOLISHED POWER FEEDERS AND SYSTEMS DEVICES AND EQUIPMENT TO BE DISPOSED BY THE CONTRACTOR WITH THE EXCEPTION OF ALL DEMOLISHED EXISTING FIRE ALARM DEVICES WHICH SHALL BE CLEANED AND HANDER OVER TO CLIENT. COORDINATE WITH CLIENT PROJECT MANAGER FOR STORAGE LOCATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY IDENTIFY THE EXACT LOCATION AND ROUTING OF ALL EXISTING CEILING AND UNDERGROUND FEEDERS SCHEDULED FOR DEMOLITION. WHILE DRAWINGS AND DOCUMENTATION MAY PROVIDE GENERAL GUIDANCE, FIELD VERIFICATION IS CRITICAL TO ENSURE THAT:
 - ALL RELEVANT FEEDERS ARE CORRECTLY LOCATED AND TRACED ON-SITE
 - UNINTENDED DISCONNECTION OF LIVE OR ACTIVE SYSTEMS IS AVOIDED.
 - ADJACENT SYSTEMS NOT INCLUDED IN THE DEMOLITION SCOPE REMAIN UNDISTURBED.
 - COORDINATION IS CONDUCTED WITH FACILITY OPERATIONS AND MAINTENANCE PERSONNEL IF REQUIRED.
- THE FEEDERS IDENTIFIED FOR DEMOLITION ARE BASED ON A SCAN SURVEY CONDUCTED BY THE CLIENT. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE CONDITIONS AND FOR IDENTIFYING ANY ADDITIONAL FEEDERS THAT MAY REQUIRE REROUTING BUT ARE NOT SHOWN ON THE DRAWINGS OR CAPTURED IN THE SURVEY.
- THE CONTRACTOR MUST PERFORM A THOROUGH ON-SITE INSPECTION TO ENSURE THAT ALL ACTIVE SYSTEMS ARE PROTECTED, AND THAT NO UNACCOUNTED FEEDERS ARE AFFECTED BY DEMOLITION WORK. ANY DISCREPANCIES OR ADDITIONAL FINDINGS MUST BE REPORTED TO THE ENGINEER FOR FURTHER INSTRUCTION PRIOR TO PROCEEDING.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER SUPPORT AND PROTECTION FOR ALL EXISTING FEEDERS THAT ARE TO REMAIN IN SERVICE. THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE STRUCTURAL AND ARCHITECTURAL TEAM TO CONFIRM THE EXACT BOUNDARIES OF THE EXCAVATION WORK AND ENSURE ALL NECESSARY MEASURES ARE IMPLEMENTED TO PROTECT THE REMAINING SERVICES AND FEEDERS THROUGHOUT THE CONSTRUCTION PROCESS.
- THE CONTRACTOR SHALL COORDINATE WITH THE CLIENT AND CONSULTANT REGARDING ANY ADDITIONAL FEEDERS REQUIRING REROUTING THAT ARE NOT IDENTIFIED ON THE LAYOUTS BUT MAY BE DISCOVERED DURING THE SCANNING PROCESS OF THE UNDERGROUND FEEDERS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ON-SITE THE EXACT SIZE OF ALL EXISTING CONDUITS.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ON-SITE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT.
- CONTRACTOR TO REMOVE THE FEEDER AND POWER SUPPLY FOR THE DEMOLISHED EXHAUST FAN EF-14

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2	ISSUED FOR CONTRACT DOCUMENT	2025/06/06
1	ISSUED FOR DESIGN DEVELOPMENT	2025/04/29

SHEET REVISION

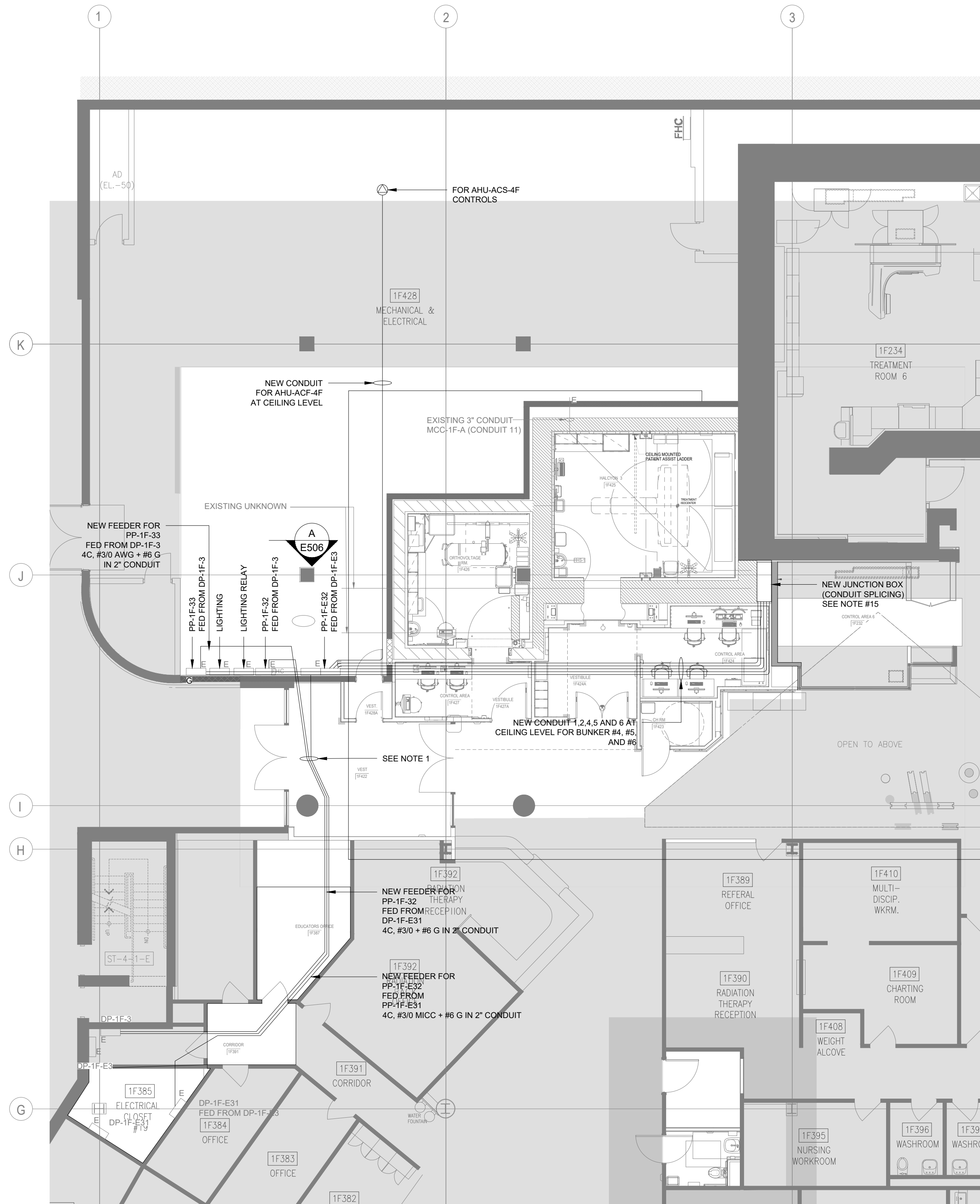
PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
GROUND FLOOR HALCYON 2 AND 3
FEEDERS ROUTING DEMOLITION WORKS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

DRAWING NO:

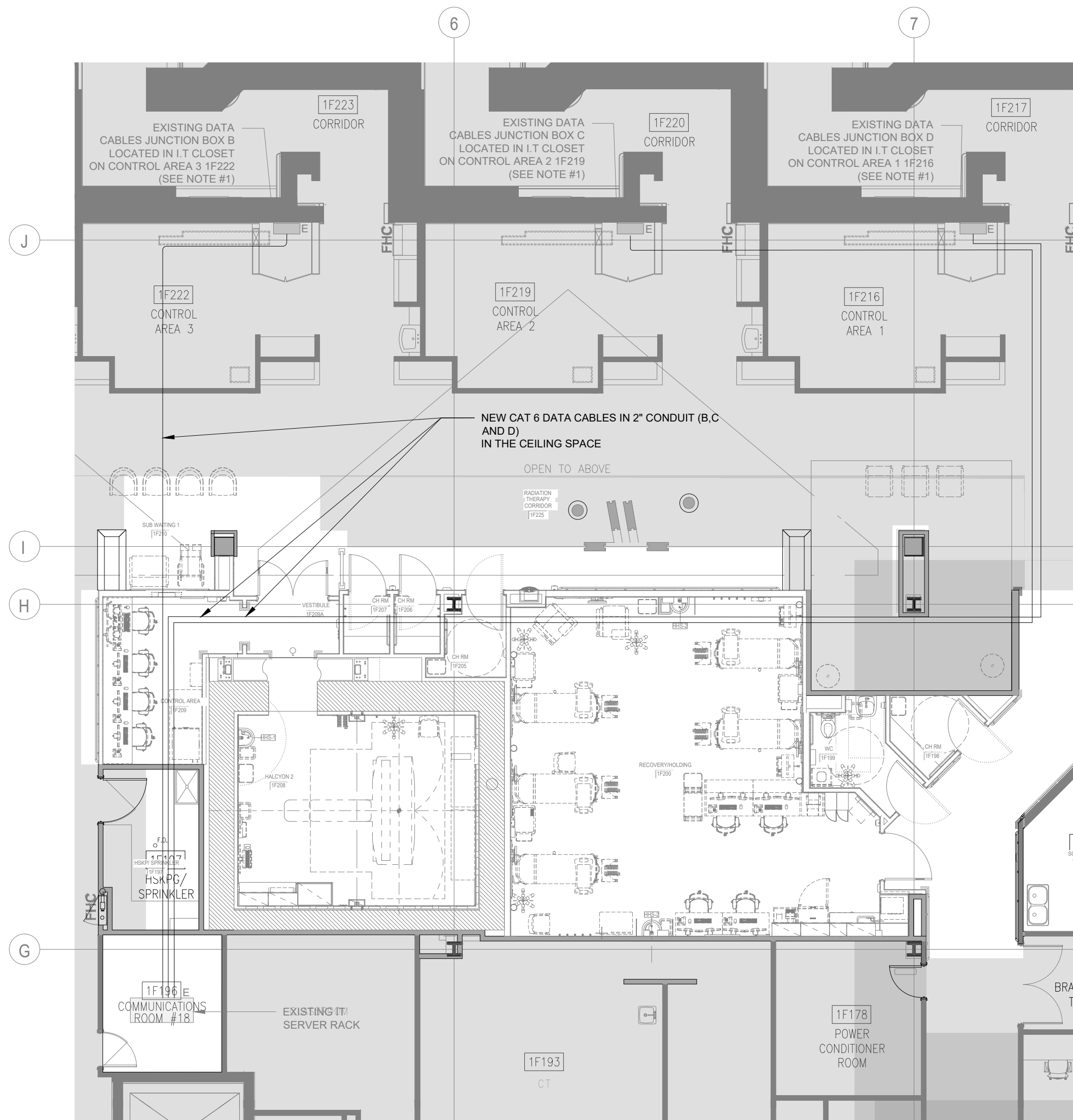
E505



1 PART PLAN - GROUND FLOOR HALCYON #3 - FEEDER ROUTING - NEW WORKS
E506 1:100

HALCYON #3 DRAWING NOTES:

- CONDUIT TO PASS THROUGH THE CEILING SPACES OF WORKROOM IF387 AND VESTIBULE IF422 BACK INTO THE MECHANICAL ROOM 1 F428.
- CONTRACTOR TO COORDINATE ON SITE THE EXACT PATH OF FEEDER IN CEILING LEVEL.
- CONTRACTOR TO COORDINATE WITH CLIENT ON THE PROPOSED REROUTING. THE PROPOSED ROUTING WILL RESULT IN AN EXTENSIVE AMOUNT OF WORK IN OFFICES OUTSIDE OF THE ALREADY IDENTIFIED SCOPE AREAS FOR THE CANCER CARE PROJECT.
- EXHAUST FAN EF-14 WILL BE DECOMMISSIONED AND REMOVED. THEREFORE, POWER TO EXHAUST FAN EF-14 IS NOT LONGER REQUIRED, AND THIS WIRING AND CONDUIT WILL BE REMOVED BACK TO SOURCE.
- THE POWER TO THE CONTROLS FOR AHU-ACS4F CAN BE RE FEED FROM PANEL PP-1 F-E32 AS SHOWN IN FIGURE 4.3.2.1-1 BELOW.
- INTERCEPT AND SPLICE ALL THE CIRCUITS FROM THE UNDERGROUND CONDUITS AND RUN NEW FEEDS FROM PANEL PP-1F-E32 AND PP-1 F-33 VIA THE CEILING SPACE.



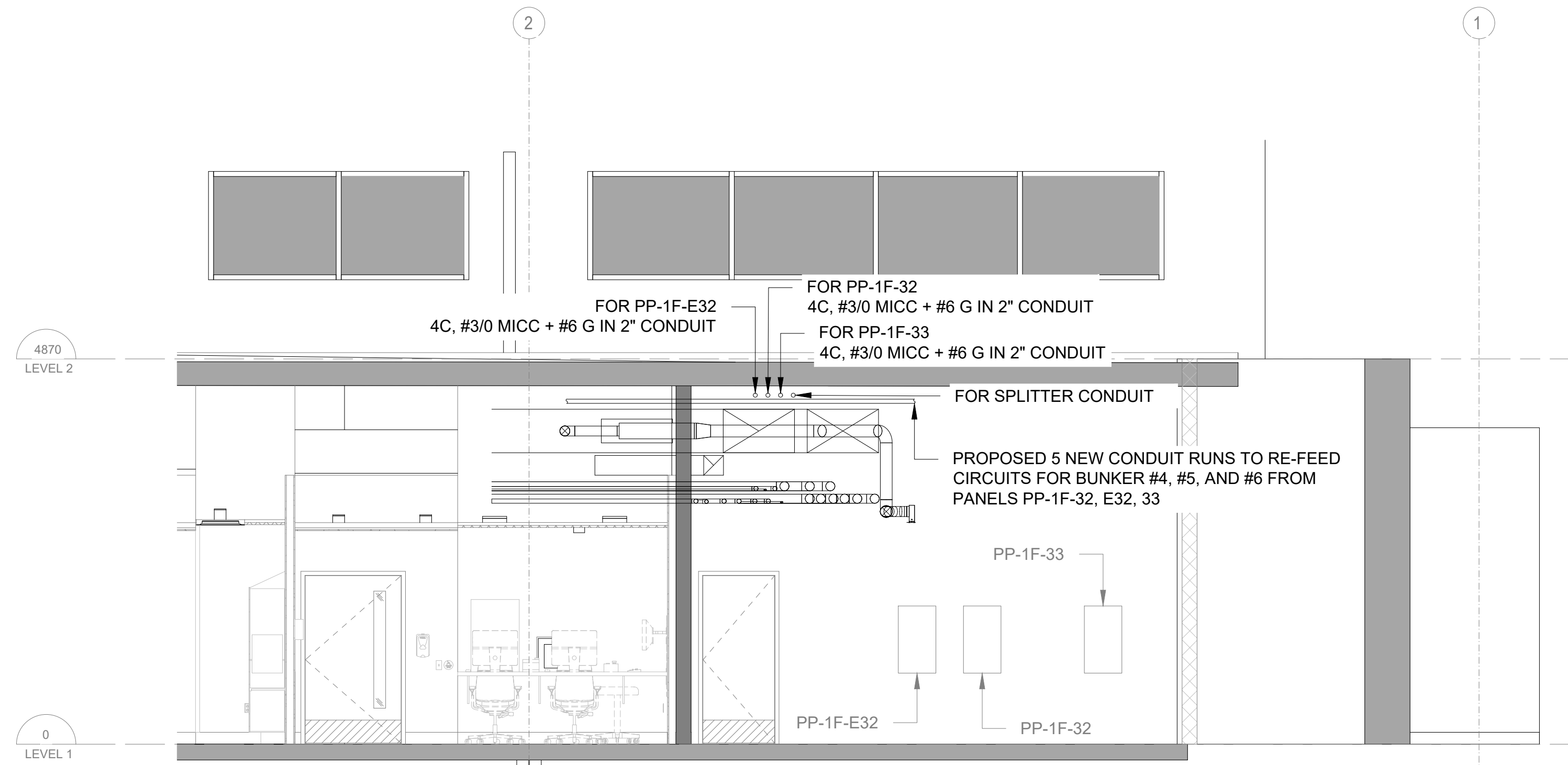
2 PART PLAN - GROUND FLOOR HALCYON #2 - FEEDER ROUTING - NEW WORKS
E506 1:100

GENERAL NOTES:

- CONTRACTOR TO COORDINATE THE PATH OF CONDUITS WITH THE NEW MECHANICAL WORK.
- CONTRACTOR IS RESPONSIBLE FOR RELOCATING MECHANICAL EQUIPMENT AS NECESSARY TO ALLOW PROPER INSTALLATION OF CONDUITS. COORDINATION WITH THE MECHANICAL CONTRACTOR IS REQUIRED.
- CONTRACTOR SHALL VERIFY THE EXACT ROUTING PATH OF ALL FEEDERS ON SITE.
- CONTRACTOR SHALL COORDINATE FEEDER ROUTING WITH STRUCTURAL, ARCHITECTURAL, AND MECHANICAL TO ENSURE PROPER CLEARANCES AND FEASIBILITY OF INSTALLATION.
- FOR EXACT LOCATION AND DETAILS OF STRUCTURAL WORKS, REFER TO STRUCTURAL LAYOUT DRAWINGS.
- FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT, REFER TO MECHANICAL LAYOUT DRAWINGS.
- CONTRACTOR SHALL COORDINATE ON SITE WITH THE STRUCTURAL ENGINEER TO CONFIRM THE EXACT LOCATIONS AND DIMENSIONS OF ALL REQUIRED WALL/FLOOR OPENINGS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ON SITE THE EXACT LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND ALL REQUIRED PENETRATIONS FOR FEEDER ROUTING TO THE FINAL TERMINATION POINTS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY ACCESSORIES, HARDWARE, SUPPORTS, AND MATERIALS REQUIRED FOR THE PROPER INSTALLATION AND CONNECTION OF NEW FEEDERS TO EXISTING AND NEW EQUIPMENT.
- ALL POWER WIRING FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR DETAILED EQUIPMENT LOCATIONS. COORDINATION WITH THE MECHANICAL CONTRACTOR IS REQUIRED FOR ANY EQUIPMENT RELOCATION TO ACCOMMODATE NEW FEEDERS.
- CONTRACTOR SHALL DETERMINE ON SITE THE EXACT LOCATIONS OF ALL JUNCTION BOXES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL REQUIRED JUNCTION BOXES AND ASSOCIATED ACCESSORIES. IN COORDINATION WITH OTHER DISCIPLINES.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY CABLE SPLICING TO ENSURE CONTINUOUS AND PROPER INSTALLATION OF ALL FEEDER RUNS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTS AND EXECUTING ANY ADDITIONAL CEILING REMOVAL REQUIRED TO ENSURE THE PROPER INSTALLATION OF THE FEEDER ON SITE.
- ALL NEW CONDUIT TO BE INSTALLED AT CEILING LEVEL.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE EXACT LOCATION AND DIMENSIONS OF THE JUNCTION BOX ON SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONNECT ALL NEW FEEDERS TO THE REMAINING EXISTING FEEDERS.
- CONTRACTOR TO VERIFY ON SITE AND WITH THE HOSPITAL OPERATIONS THE UNUSED CAT6 CABLES THAT ARE NO LONGER REQUIRED (AROUND HALF OF THE EXISTING 20 CAT6 FOR EACH LINEAR ACCELERATOR) FOR EACH CABINET, AND PROVIDE NEW CAT6 CABLES AS REQUIRED.

HALCYON #2 DRAWING NOTES:

- TERMINATE EACH CONDUIT IN EACH CONTROL AREA I.T. CLOSET RESPECTIVELY. NEW DATA CABLES ARE THEN TO RE-FEED EXISTING EQUIPMENT THROUGH THE EXISTING DATA JUNCTION BOX LOCATED WITHIN THE I.T. CLOSET.
- THE NEW RUNS OF CONDUITS WILL RESULT IN AN EXTENSIVE AMOUNT OF WORK OUTSIDE OF THE ALREADY IDENTIFIED SCOPE AREAS FOR THE CANCER CARE PROJECT. CONTRACTOR TO COORDINATE ON SITE WITH CLIENT THE AREAS ADDED TO THE ADDITIONAL SCOPE OF WORK.
- CONTRACTOR TO COORDINATE THE CROSSING OF THE PUBLIC CORRIDOR WITH TRILLIUM. TO SCHEDULE WORK TO MITIGATE DISRUPTION TO PATIENT CARE AND TREATMENTS IN BUNKERS 1, 2 AND 3.
- CONTRACTOR TO DETERMINE ON SITE THE EXACT PATH OF NEW CONDUITS IN THE CEILING.



3 SECTION A
E506 1:50

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2	ISSUED FOR CONTRACT DOCUMENT	2025/06/06
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SHEET REVISION

PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

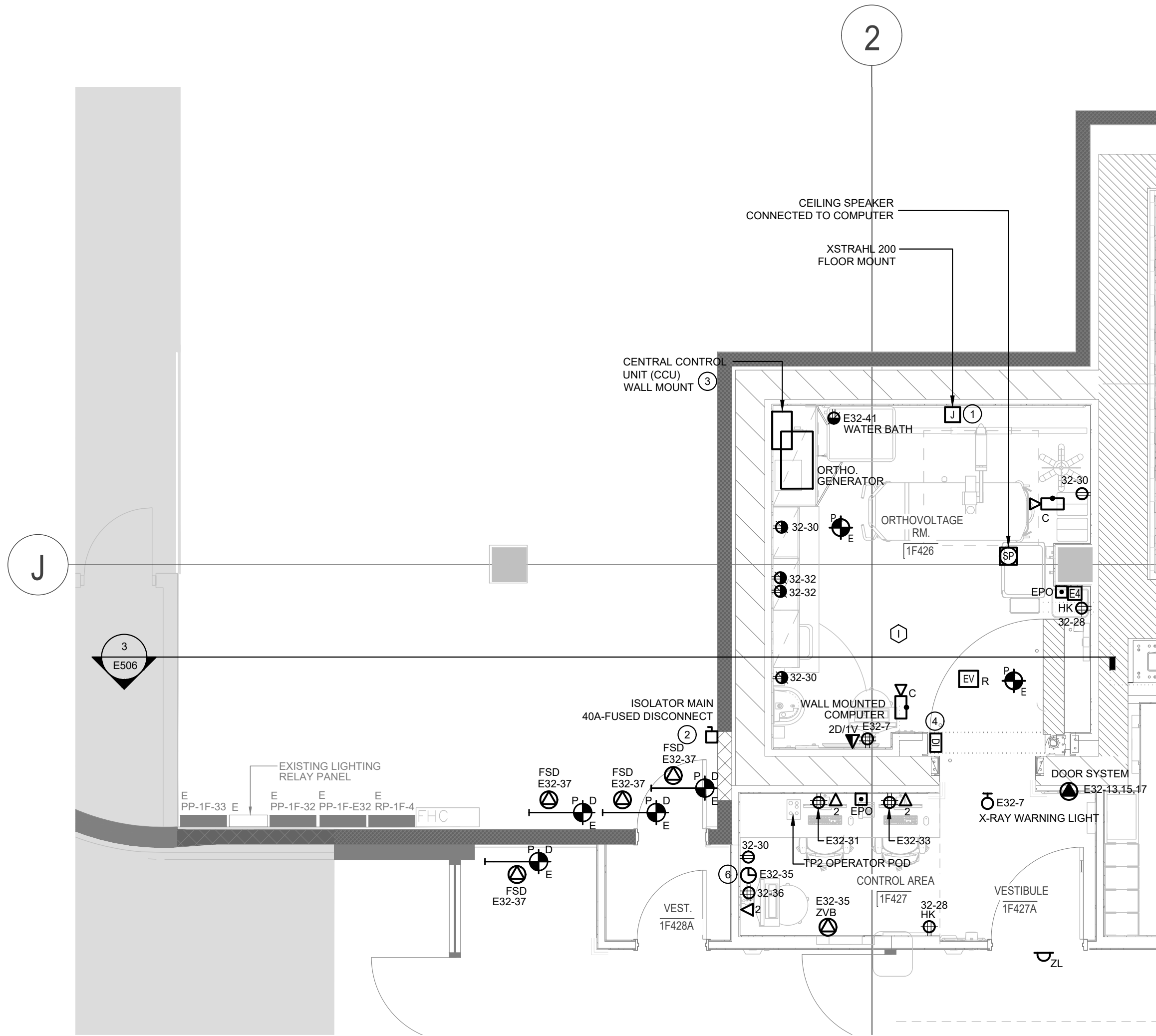
TITLE:
GROUND FLOOR HALCYON 2 AND 3
FEEDERS ROUTING NEW WORKS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

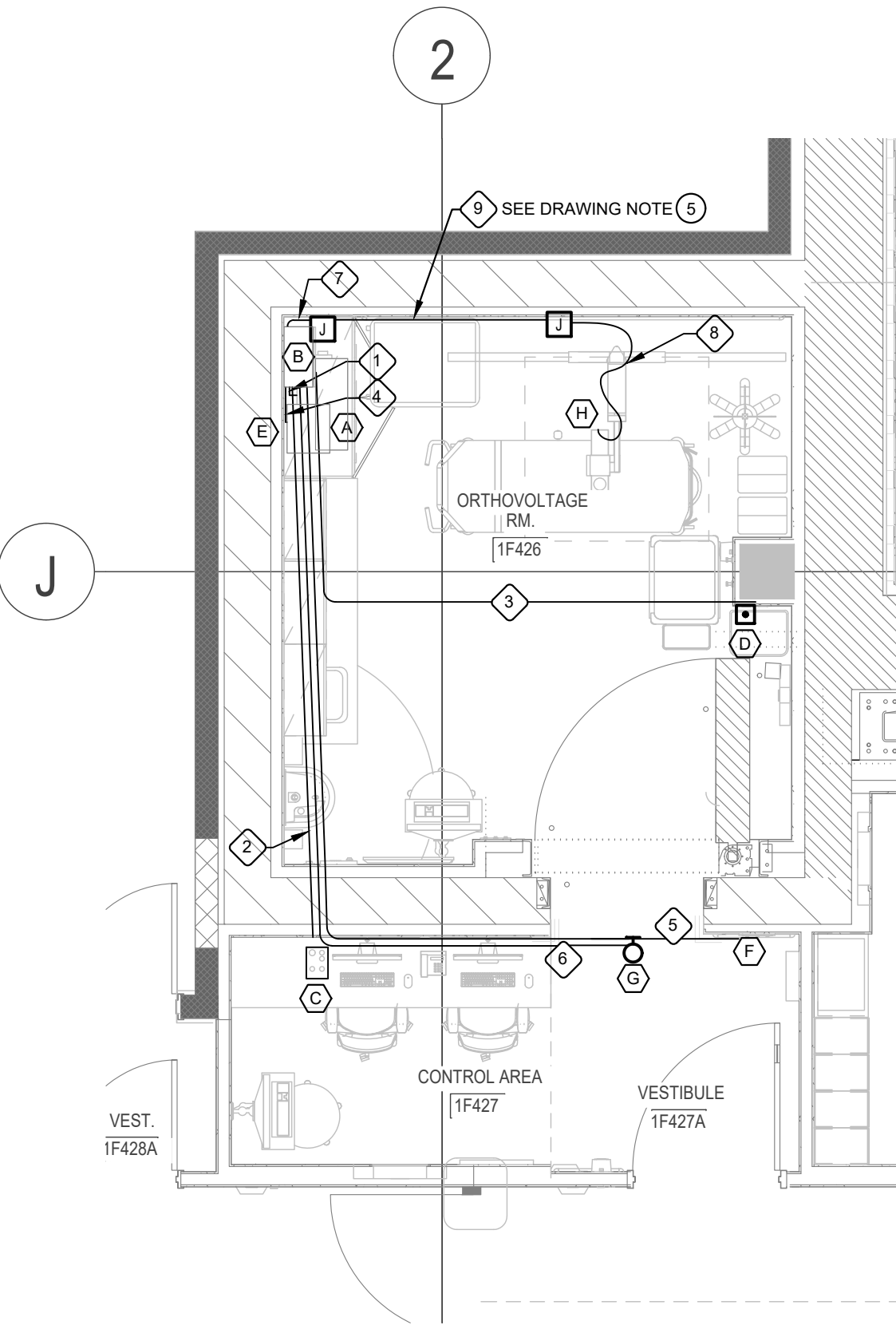
DRAWING NO:

E506

E700



1 ORTHOVOLTAGE ROOM 1F426, CONTROL AREA 1F427 & VEST. 1F428A
E701 1:50



2 ORTHOVOLTAGE RACEWAY DETAIL
E701 1:50

ORTHOVOLTAGE CONDUIT SCHEDULE			
CONDUIT No.	FROM	TO	SIZE
1	A (WALL)	B (WALL)	53mm (2")
2	B (WALL)	C (WALL)	41mm (1-1/2")
3	B (WALL)	D (WALL)	41mm (1-1/2")
4	B (WALL)	E (WALL)	41mm (1-1/2")
5	B (WALL)	F (WALL)	41mm (1-1/2")
6	B (WALL)	G (CEILING)	41mm (1-1/2")
7	B (WALL)	CEILING	FLEX CONDUIT 78mm (3")
8	H	CEILING	FLEX CONDUIT 78mm (3")
9	SEE DETAIL 3		91mm (3-1/2")

ORTHOVOLTAGE & SHIELDING EQUIPMENT	
EQUIPMENT TAG	DESCRIPTION
A	GENERATOR
B	CENTRAL CONTROL UNIT (CCU)
C	TP2 POD
D	EMERGENCY POWER OFF BUTTON
E	COOLER
F	DOOR INTERLOCK
G	X-RAY WARNING LIGHT
H	ORTHOVOLTAGE MACHINE

GENERAL NOTES:

1. PROVIDE A DEDICATED PHONE AND DATA LINE FOR ORTHOVOLTAGE EQUIPMENT. COORDINATE WITH EQUIPMENT VENDOR (XSTRAHL) FOR EXACT LOCATION AND REQUIREMENT OF PHONE AND DATA LINE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS.
3. POWER CIRCUITING IDENTIFICATION TO BE PREFIXED BY "PP-1F-" TO INCLUDE FULL PANEL NAMING. REFER TO DRAWING E-700 FOR ENLARGED ELECTRICAL ROOMS AND PANEL LOCATIONS.
4. COORDINATE WIRING OF FIRE ALARM DUCT SMOKE DETECTOR AND FIRE/SMOKE DAMPER WITH MECHANICAL CONTROLS CONTRACTOR TO CLOSE ASSOCIATED DAMPER UPON DETECTOR ACTIVATION. DUCT SMOKE DETECTOR SHALL BE INSTALLED IN ACCORDANCE WITH ULC S524 AND COORDINATED WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.
5. REFER TO DRAWING E705 FOR ADDITIONAL SHIELDING AND DOOR INSTALLATION DETAILS. DIAGRAMS ARE FOR THE BI-PARTING DOOR AND TO BE USED FOR REFERENCE PURPOSES ONLY. COORDINATE EXACT INSTALLATION DETAILS FOR ORTHOVOLTAGE SWING DOOR WITH SHIELDING VENDOR.
6. SERVICES AND SYSTEMS ENTERING ORTHOVOLTAGE ROOM TO BE ROUTED THROUGH SHIELDING OPENING ABOVE THE CONTROL ROOM. COORDINATE ALL SERVICES AND EXACT ROUTING WITH MECHANICAL CONTRACTOR AND SHIELDING VENDOR.

DRAWING NOTES:

- 1 X-RAY MACHINE XSTRAHL 200, PROVIDED INSULATED GROUND WIRE.
- 2 PROVIDE 40A ISOLATOR SWITCH, FED FROM PC-10-1. REFER TO DETAIL 1 ON DRAWING E700.
- 3 PROVIDE 200 MM GAP BELOW THE LOCATION OF CCU AND CABLE TRUNKING TO ALLOW FOR CABLE SKIRT TO BE ATTACHED BELOW THE CCU. REFER XTRAHL 200 PLANNING GUIDE FOR MORE INFORMATION.
- 4 DOOR INTERLOCKS OPERATE WHEN RADIATION SOURCE IS ON. EXACT TYPE TO BE CONFIRMED WITH EQUIPMENT AND SHIELDING SUPPLIERS.
- 5 PROVIDE 91mm (3-1/2") CONDUIT ABOVE CEILING FROM EQUIPMENT CLOSET TO ORTHOVOLTAGE MACHINE TO ROUTE MAIN POWER CABLE FROM ORTHOVOLTAGE GENERATOR. COORDINATE EXACT LOCATION DETAILS WITH ORTHOVOLTAGE MANUFACTURER PRIOR TO ROUGH-IN.
- 6 INSTALL NEW 4" SIX-DIGIT, RECESSED, PRIMEX DIGITAL CLOCK AND PROVIDE POWER FOR DIRECT CONNECTION FROM INDICATED CIRCUIT. CONNECT NEW CLOCK TO THE EXISTING HOSPITAL'S SYNCHRONIZED CLOCK SYSTEM.

CLIENT:

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4	MOH 2.3 COSTING SUBMISSION	2024/09/13
3	MOH 2.3 COSTING SUBMISSION	2024/06/17
2	ISSUED FOR MOH 1.3/2.1/2.2	2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/09/19

NO	DESCRIPTION	DATE
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SHEET REVISION

PROJECT:

THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:

ENLARGED PLANS
ORTHOVOLTAGE ROOM

PROJECT NO:

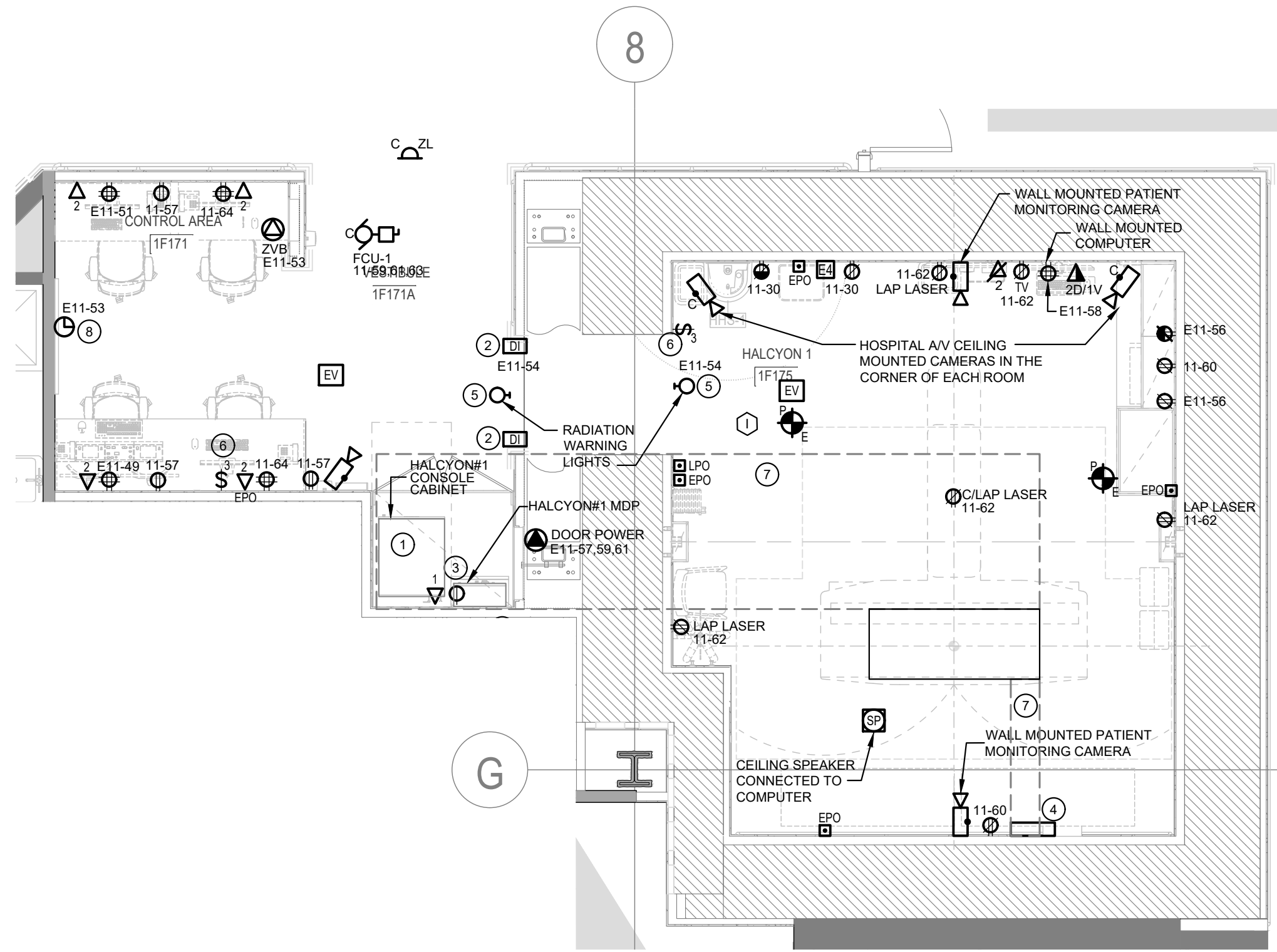
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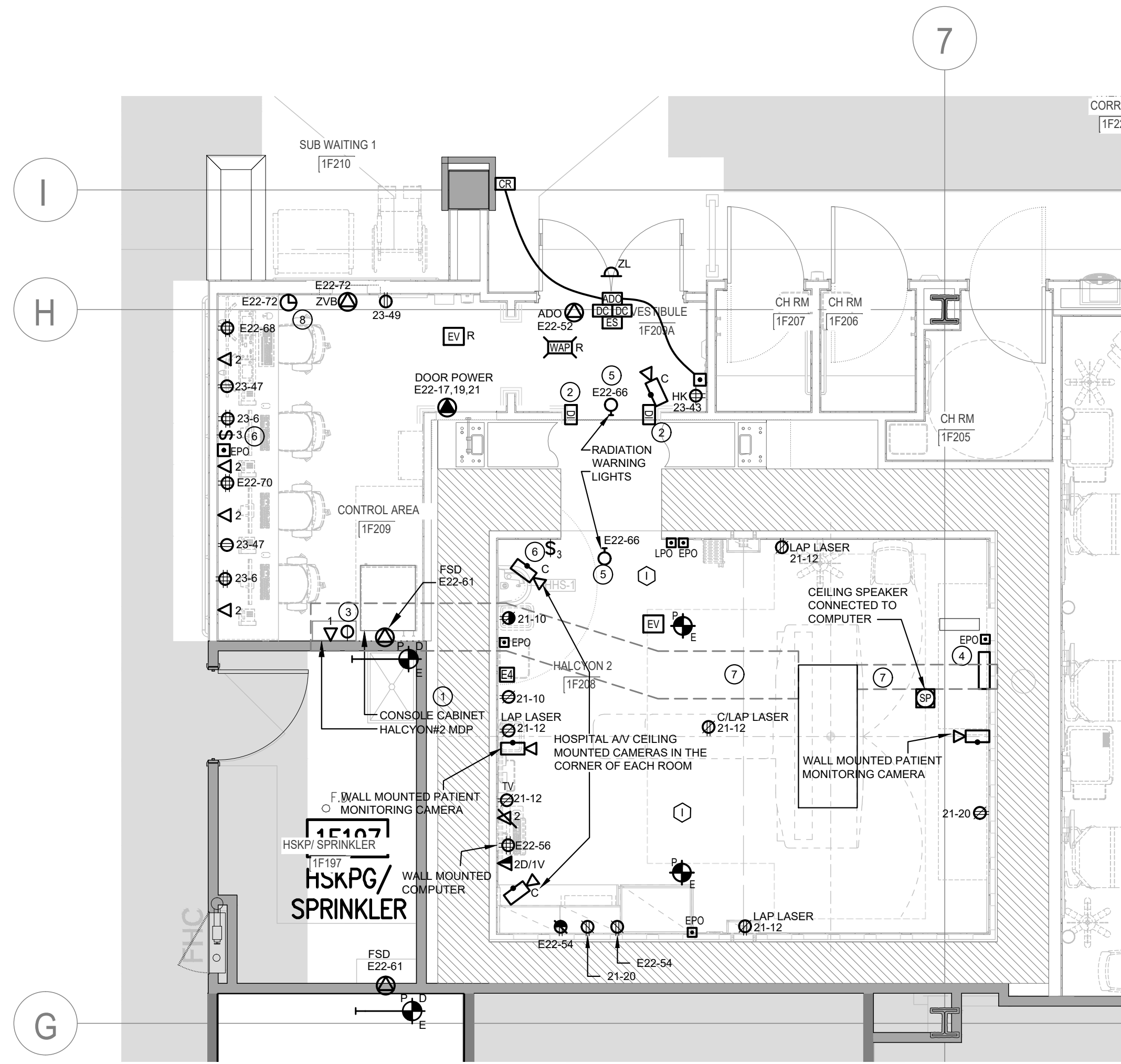
J.L.

DRAWING NO:

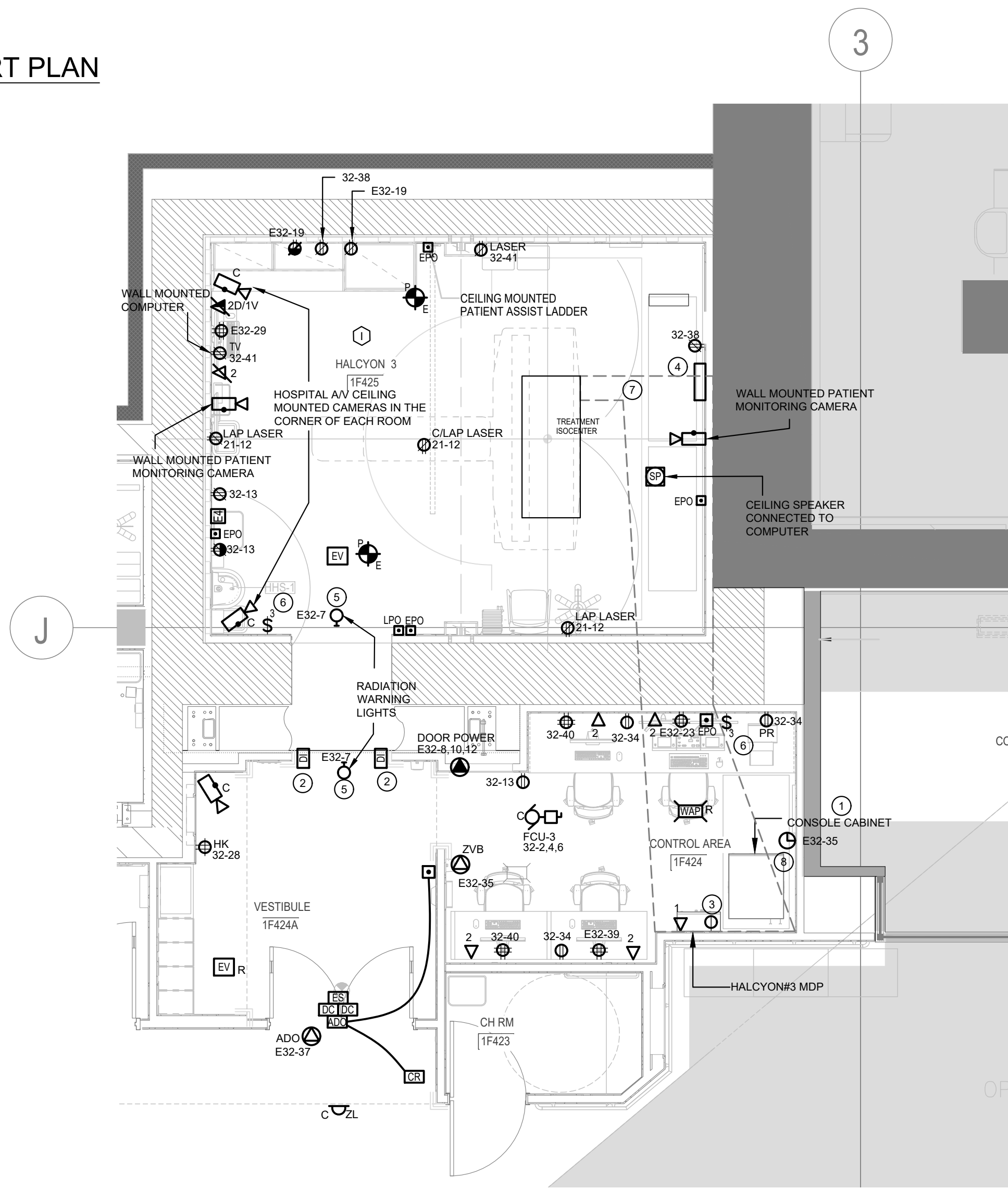
E701



1 HALYCON1 1F175, CONTROL AREA 1F171 & VESTIBULE 1F171A - POWER & SYSTEM PART PLAN
E702 1:50



2 HALYCON2 1F208, CONTROL AREA 1F209 & VESTIBULE 1F209A - POWER & SYSTEM PART PLAN
E702 1:50



3 HALYCON3 1F425, CONTROL AREA 1F424 & VESTIBULE 1F424A - POWER & SYSTEM PART PLAN
E702 1:50

GENERAL NOTES:

1. PROVIDE A DEDICATED PHONE AND DATA LINE FOR HALCYON EQUIPMENT. COORDINATE WITH EQUIPMENT VENDOR (VARIAN) FOR EXACT LOCATION AND REQUIREMENT OF THE DEDICATED PHONE AND DATA LINE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS.
3. REFER TO DRAWING E705 FOR ADDITIONAL SHIELDING AND DOOR INSTALLATION DETAILS.
4. PROVISIONS FOR SAFETY DEVICES TO BE REVIEWED WITH EQUIPMENT VENDOR FOR EXACT LOCATIONS PRIOR TO ROUGH-IN.
5. THE HALCYON SYSTEM REQUIRES A GROUND/PROTECTIVE EARTH (GPE) CIRCUIT. THIS CIRCUIT IS PART OF THE MAIN POWER SUPPLY AND ELECTRICAL CONTRACTOR TO COORDINATE AND PROVIDES GROUNDING FOR THE HALCYON STAND AND THE CONSOLE CABINET.
6. POWER CIRCUITING IDENTIFICATION TO BE PREFIXED BY "PP-1F-" TO INCLUDE FULL PANEL NAMING. REFER TO DRAWING E-700 FOR ENLARGED ELECTRICAL ROOMS LAYOUTS AND PANEL LOCATIONS.
7. COORDINATE WIRING OF FIRE ALARM DUCT SMOKE DETECTOR AND FIRE/SMOKE DAMPER WITH MECHANICAL CONTROLS CONTRACTOR TO CLOSE ASSOCIATED DAMPER UPON DETECTOR ACTIVATION. DUCT SMOKE DETECTOR SHALL BE INSTALLED IN ACCORDANCE WITH ULC S824 AND COORDINATED WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.
8. SERVICES AND SYSTEMS ENTERING THE HALCYON ROOMS TO BE ROUTED THROUGH SHIELDING OPENING ABOVE THE ENTRANCE DOORS. COORDINATE ALL SERVICES AND EXACT ROUTING WITH MECHANICAL CONTRACTOR AND SHIELDING VENDOR.

DRAWING DETAIL #1,2,3 NOTES:

- 1 THE CONSOLE CABINET MUST BE LOCATED IN A RADIATION-FREE ENVIRONMENT.
- 2 DOOR INTERLOCKS OPERATE WHEN RADIATION SOURCE IS ON. EXACT TYPE TO BE CONFIRMED WITH EQUIPMENT AND SHIELDING SUPPLIERS.
- 3 PROVIDE IEC 60309, BLUE, 230V 50/60 Hz, 16A, 2-POLE, 3-WIRE GROUNDING RECEPTACLE FOR CONSOLE CABINET. RECEPTACLE TO BE FED FROM RESPECTIVE HALCYON MAIN DISTRIBUTION PANEL(MDP).
- 4 WALL MOUNTED RELAY JUNCTION BOX TO PROVIDE CENTRAL INTERFACE FOR HOSPITAL PROVIDED SYSTEM STATUS WARNING LIGHTS AND DOOR INTERLOCK SWITCHES AND REMOTE EMERGENCY POWER OFF BUTTONS.
- 5 WARNING LIGHTS TO INDICATE BEAM-ON / BEAM-OFF CONDITIONS. LOCATIONS TO BE CONFIRMED SO THAT LIGHTS ARE TO BE VISIBLE FROM ANY POINT IN THE TREATMENT ROOM. PROVIDE ONE SURFACE MOUNTED WARNING SIGN WITH INDIVIDUAL MESSAGE LISTED BELOW. EACH MESSAGE TO BE BLACK OUT WHEN NOT ACTIVATED. PROVIDE FIVE(5) HOT WIRES (ONE(1) FOR EACH MESSAGE) AND ONE (1) COMMON WIRE. WARNING SIGN TO BE "SIGNAL-TECH PRODUCT ID: 68823 (INDOOR BLANK-OUT LED BACKLIT SIGN (MODEL: SBL2037RRRRR-S240/20-217AC) OR APPROVED EQUAL.

- Beam READY** ILLUMINATES TO SHOW THE MV SYSTEM HAS NO OPEN INTERLOCKS AND IS READY TO TREAT.
- Beam ON** ILLUMINATES DURING MV BEAM TREATMENT, MANDATORY.
- Beam OFF** ILLUMINATES WHEN THE ACCELERATOR IS NOT GENERATING RADIATION.
- Generator ON** ILLUMINATED TO SHOW THE KV SYSTEM IS READY TO IMAGE THE PATIENT.
- X-Ray ON** ILLUMINATES DURING KV IMAGING, MANDATORY FOR ACCELERATORS WITH ON-BOARD IMAGING.

- PROVIDE AND INSTALL AURAL INDICATOR IN PARALLEL WITH WARNING SIGN CONNECTED TO RUB. AURAL INDICATOR TO COMPLY WITH IEC 60601-2-1: 2009+A1:2014.
- 6 INSTALL 3-WAY SWITCH FOR 'LAP LASER' CONTROLS. COORDINATE EXACT INSTALLATION AND WIRING DETAILS WITH 'LAP LASER' EQUIPMENT SUPPLIER.
 - 7 OUTLINED AREA INDICATES APPROXIMATE AREA FOR ROUTING OF CONDUITS BELOW GRADE BETWEEN THE HALCYON STAND, MAIN DISTRIBUTION PANEL (MDP), CONSOLE CABINET, AND RELAY JUNCTION BOX. COORDINATE CONDUIT ROUTING WITH STRUCTURAL FOOTINGS AND FOUNDATIONS. COMPLETE SCANNING FOR EXISTING CONDUITS BELOW THE SLAB. REFER TO DRAWING E703 AND E704 FOR MORE DETAILS.
 - 8 INSTALL NEW 4" SIX-DIGIT, RECESSED, PRIMEX DIGITAL CLOCK AND PROVIDE POWER FOR DIRECT CONNECTION FROM INDICATED CIRCUIT. CONNECT NEW CLOCK TO THE EXISTING HOSPITAL'S SYNCHRONIZED CLOCK SYSTEM.

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2	ISSUED FOR MOH 1.3/2.1/2.2	2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/09/19

SHEET REVISION

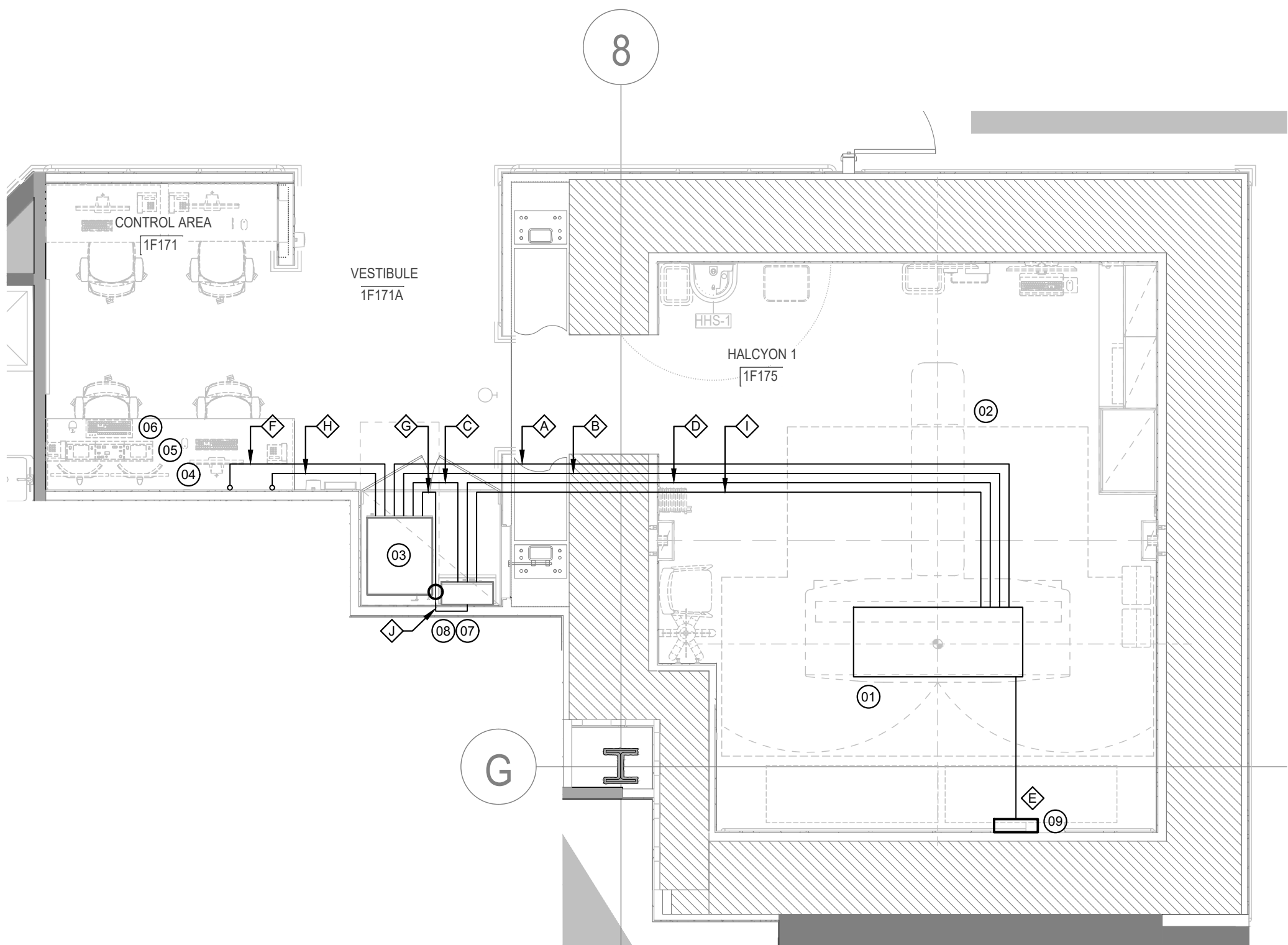
PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
ENLARGED PLANS
HALCYON ROOMS

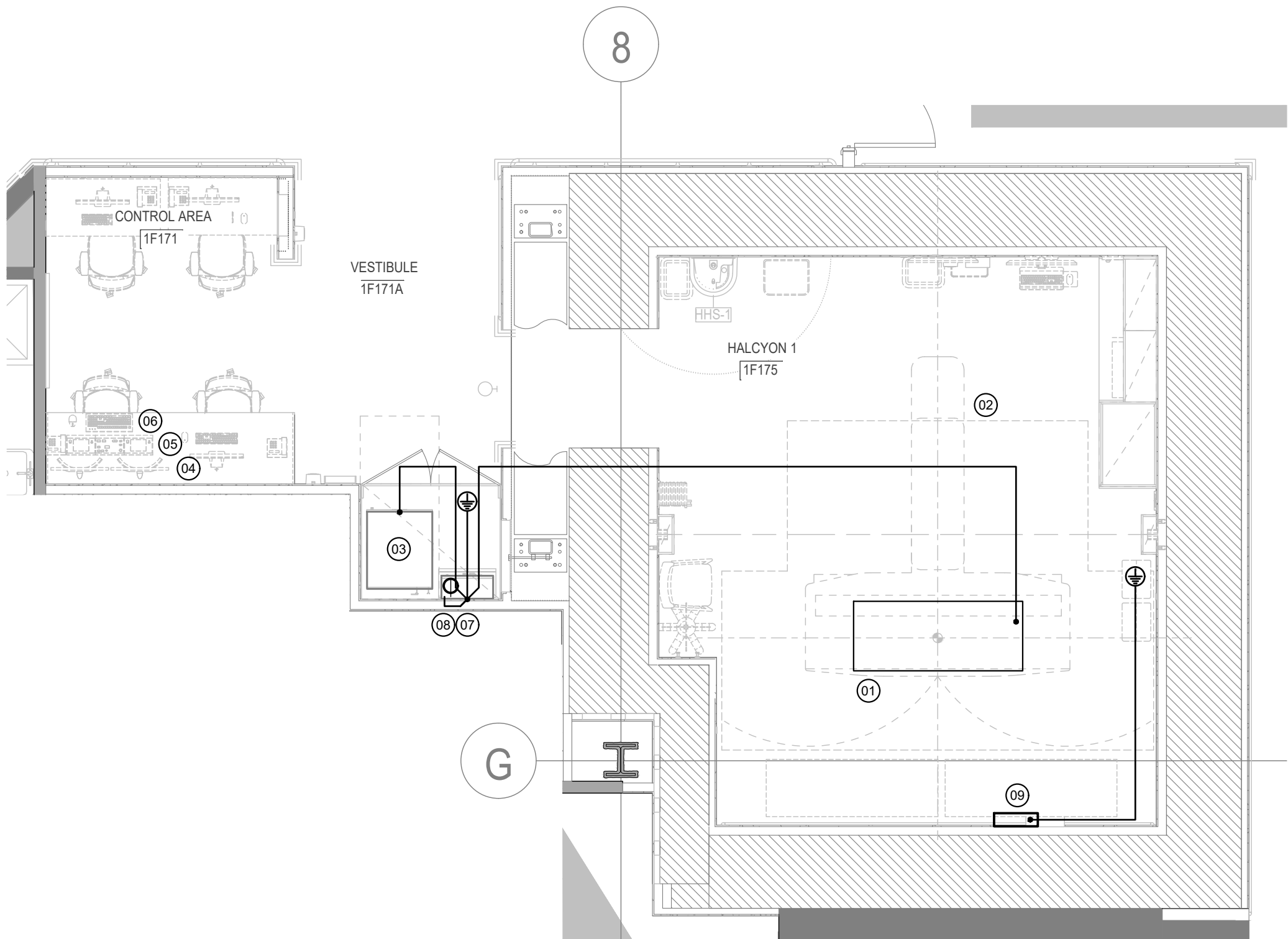
PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

DRAWING NO:

E702



1 HALYCON1 1F175, CONTROL AREA 1F171 & VESTIBULE 1F171A - EQUIPMENT AND CONDUIT PART PLAN
E703 1:50



1 HALYCON1 1F175, CONTROL AREA 1F171 & VESTIBULE 1F171A - GROUNDING PART PLAN
E703 1:50

HALCYON SYSTEM COMPONENTS			
01	STAND & GANTRY	03	CONSOLE CABINET
	IN-ROOM MONITORS (INTEGRATED)	04	SYSTEM MONITORS (IMAGE AND DATA)
	POSITIONING LASER (INTEGRATED)	05	CONTROL CONSOLE
	SPEAKER (INTEGRATED)	06	USB KEYBOARD AND MOUSE
	PATIENT MICROPHONE (INTEGRATED)	07	MAIN DISCONNECT PANEL, MDP
02	TREATMENT COUCH	08	IEC 60309 POWER OUTLET
	LIVE VIEW CAMERA (INTEGRATED)	09	RELAY JUNCTION BOX (RJB)

HALCYON CONTAINMENT SPECIFICATIONS					
RUN	MINIMUM CONDUIT Ø	MAXIMUM LENGTH	CONDUIT QUANTITY	START (FROM)	FINISH (TO)
A	100mm [4"]	38m [125']	1	03 – CONSOLE CABINET	01 – STAND
B	50mm [2"]	38m [125']	1		07 – MDP
C		11m [36']	1	01 – STAND	05 – CONTROL CONSOLE
D		57m [187']	1		09 – RJB
E		41m [135']	1		05 – CONTROL CONSOLE
F	N/A	N/A	N/A	03 – CONSOLE CABINET	08 – IEC OUTLET
G					NETWORK JACK (BY CUSTOMER)
H	32mm [1 1/4"]	N/A	1	07 – MDP	01 – STAND
I					08 – IEC OUTLET
J	per code	N/A	1		

OTHER CONTAINMENT REQUIREMENTS:

THE FOLLOWING CUSTOMER-PROVIDED SAFETY COMPONENTS REQUIRE A CONTAINMENT PATH TO THE HALCYON RJB, NOT SHOWN IN ABOVE FIGURE:

- WARNING LIGHTS
- DOOR INTERLOCK SWITCH
- EMERGENCY-OFF BUTTONS
- OPTIONAL SAFETY DEVICES

GROUNDING CONTAINMENT REQUIREMENTS:

- (1) G/PE CONDUCTOR FROM THE MDP (07) TO THE STAND (01) PDU, SEE 3.3.4.1.
- (1) G/PE CONDUCTOR FROM THE MDP (07) TO THE IEC OUTLET (08), SEE 3.3.4.1.
- (1) DEDICATED G/PE CONDUCTOR FROM THE MDP (07) TO THE CONSOLE CABINET (03).
 - 6MM2 [10 AWG] OR PER CODE, WHICHEVER IS GREATER.
 - TERMINATE WITH AN M6 RING TERMINAL.
 - PROVIDE A 3M [9'-0"] MINIMUM "SERVICE LOOP" AT THE CONSOLE CABINET (03).
- (1) DEDICATED G/PE CONDUCTOR TO THE RJB (09) SUB-PANEL, SEE FIGURE 3-10.
 - 6MM2 [10 AWG] OR PER CODE, WHICHEVER IS GREATER.
 - TERMINATE WITH AN M6 RING TERMINAL.

GROUNDING CABLE CONTAINMENT:

- ALL CONDUITS SHALL BE SMOOTH-WALLED.
- ALL CONDUITS THAT ARE ROUTED UNDERGROUND SHALL BE DRY AND WATERTIGHT.
- ALL CONDUITS MUST BE TERMINATED WITH INSULATING BUSHINGS OR A SIMILAR MEANS TO PROTECT CABLES FROM ABRASION.
- ALL CONDUITS SHOULD BE PROVIDED WITH A PULL STRING.
- CONDUIT BENDS SHALL HAVE A RADIUS NO LESS THAN 6 TIMES THE CONDUIT'S DIAMETER.
- THERE SHALL BE NO MORE THAN THREE 90-DEGREE BENDS PER CONDUIT (OR EQUIVALENT).
- VERIFY ALL PENETRATIONS WITH THE PHYSICIST OF RECORD.
- CABLE CONDUIT/DUCT ROUTE MUST BE SHORTER THAN THE MAXIMUM CABLE LENGTH, ALLOW APPROXIMATELY 3M [10'-0"] OF EXCESS CABLE AT EACH END FOR CONNECTION AND SERVICE, UNLESS OTHERWISE NOTED.

GENERAL ELECTRICAL NOTES:

- DIAGRAMS AND DETAILS SHOWN ON THIS DRAWING ARE FOR REFERENCE PURPOSES ONLY. COORDINATE EXACT INSTALLATION DETAILS AND REQUIREMENTS WITH HALCYON MANUFACTURER TO SUIT SITE SPECIFIC CONDITIONS.
- THIS DRAWING PROVIDES GENERAL EQUIPMENT INSTALLATION DETAILS WHICH APPLY TO EACH OF THE HALCYON ACCELERATORS. EXACT LOCATIONS TO BE COORDINATED BASED ON ENLARGED FLOOR PLANS AND FINAL EQUIPMENT LOCATIONS.
- CONTRACTOR TO DETERMINE EXACT ROUTING OF UNDERGROUND CONDUITS BASED ON EXISTING UNDERGROUND CONDUITS. REVIEW ROUTING WITH GENERAL CONTRACTOR FOR STRUCTURAL CONSULTANT'S REVIEW OF FOR PROVISION OF SLEEVES THROUGH CONCRETE FOUNDATION.

CLIENT:



CONSULTANT:



SEAL:



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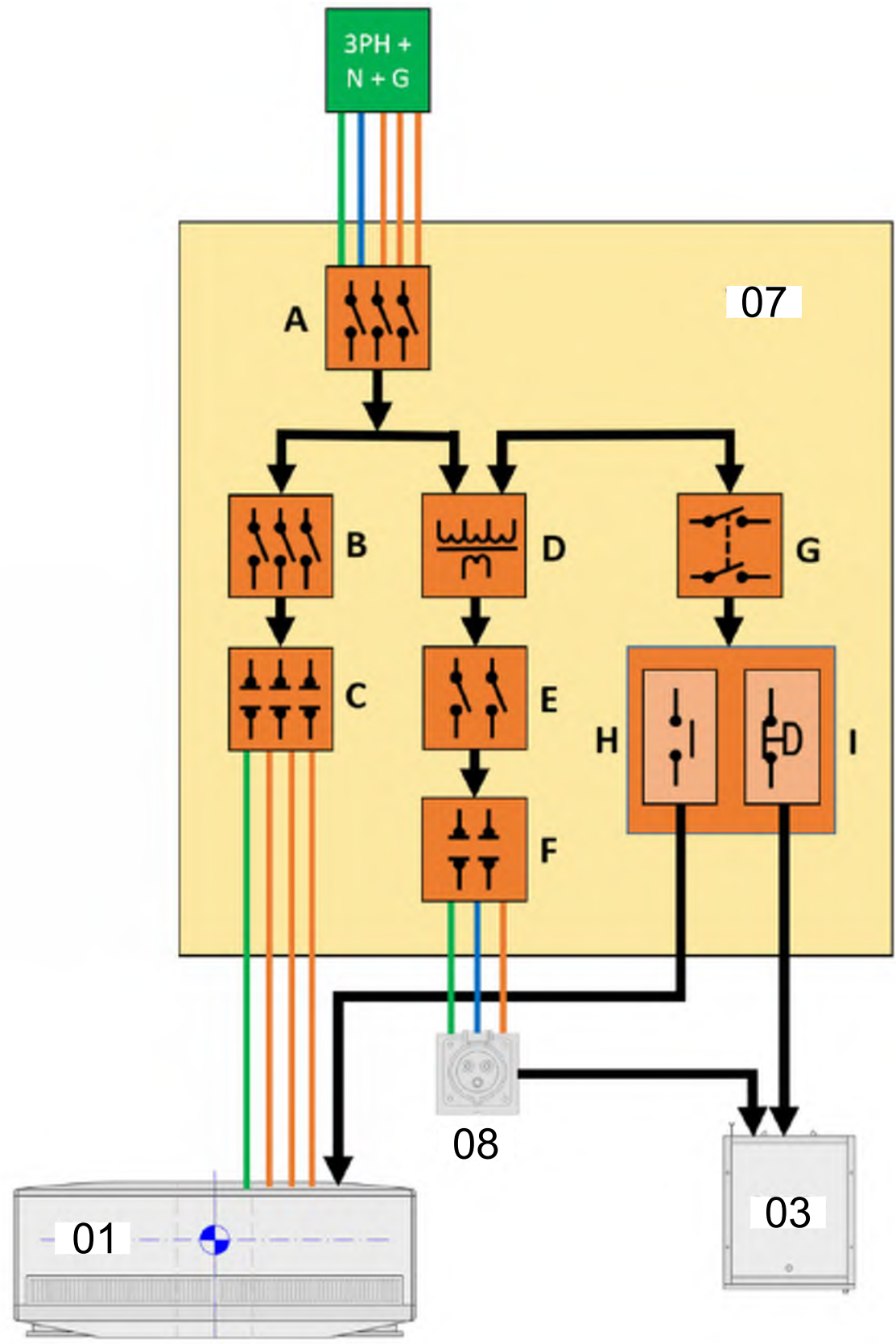
NO	DESCRIPTION	DATE
5	ISSUED FOR TENDER	2025/12/16
4	ISSUED FOR PERMIT	2025/11/21
3	MOH 2.3 RESUBMISSION	2025/06/20
2	MOH 2.3 SUBMISSION	2024/10/11
1	MOH 2.3 COSTING SUBMISSION	2024/09/13

PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
ENLARGED PLANS
HALCYON TYPICAL DETAILS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

DRAWING NO:
E703



MDP COMPONENTS	
A	CIRCUIT BREAKER 1 (CB1), 60A
B	CIRCUIT BREAKER 2 (CB2), 50A
C	K1 CONTACT
D	TRANSFORMER
E	CIRCUIT BREAKER 3 (CB3), 16A
F	K3 CONTACT
G	CONTROL RELAY
H	START BUTTON
I	EMERGENCY DISCONNECT

- MDP CUSTOMER CONNECTIONS:
- THE CUSTOMER-PROVIDED 3-PHASE WIRES MUST MEET THE FOLLOWING SPECIFICATIONS:
 - OVERALL MAXIMUM SOURCE IMPEDANCE REQUIREMENTS, TABLE 3-2.
 - INPUT AND OUTPUT CIRCUIT BREAKER RATINGS OF THE MDP ARE BASED ON LOCAL REGULATIONS.
 - USE COPPER CONDUCTORS ONLY
 - GROUND AND NEUTRAL WIRES MUST BE EQUAL IN SIZE (PARITY) WITH THE RESPECTIVE WIRES FOR EACH PHASE.
 - WIRES ROUTING FROM THE MDP TO THE STAND PDU MUST BE RATED FOR WET LOCATIONS AND MUST BE ROUTED SEPARATELY FROM OTHER WIRES.
 - CB1 AND K1 WIRES MUST BE RATED FOR 600V, WITH A TEMPERATURE RANGE OF 90°C DRY/75°C WET, MINIMUM.
 - K3 WIRES MUST BE RATED FOR 300V MINIMUM, WITH A MINIMUM TEMPERATURE RATING OF 90°C DRY.
 - PROVIDE A 4M [13'-0"] COIL OF EXCESS CONDUCTORS IN THE TREATMENT ROOM FLOOR PIT.

GENERAL ELECTRICAL NOTES:

- DIAGRAMS AND DETAILS SHOWN ON THIS DRAWING ARE FOR REFERENCE PURPOSES ONLY. COORDINATE EXACT INSTALLATION DETAILS AND REQUIREMENTS WITH HALCYON MANUFACTURER TO SUIT SITE SPECIFIC CONDITIONS.
- THIS DRAWING PROVIDES GENERAL EQUIPMENT INSTALLATION DETAILS WHICH APPLY TO EACH OF THE HALCYON ACCELERATORS. EXACT LOCATIONS TO BE COORDINATED BASED ON ENLARGED FLOOR PLANS AND FINAL EQUIPMENT LOCATIONS.

CLIENT:

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CONSULTANT:

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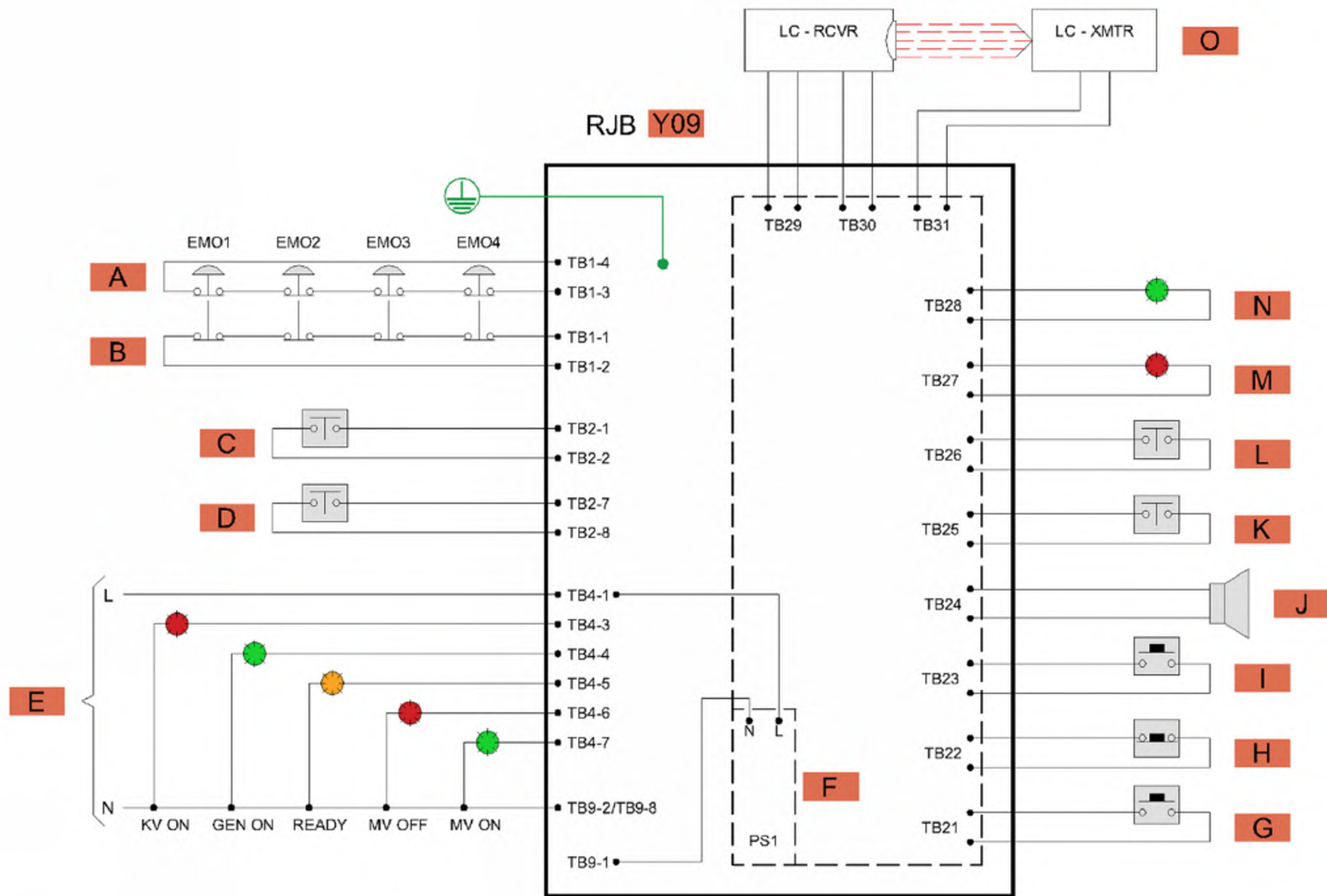
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1 MAIN DISCONNECT PANEL (MDP) DETAIL
E704 N.T.S



2 RELAY JUNCTION BOX (RJB) DETAIL
E704 N.T.S

RJB MAIN CUSTOMER CONNECTIONS

A	EMO PRIMARY CIRCUIT	24VDC *
B	EMO SECONDARY CIRCUIT	
C	SECONDARY DOOR SWITCH **	24VDC *
D	PRIMARY DOOR SWITCH **	48VDC *
E	WARNING LIGHTS	100 – 250VAC (50/60HZ)
* POWER IS PROVIDED FROM THE RJB		
** IF THE RJB EXPANDER IS USED CONNECT THE DOOR SWITCHES TO TERMINALS "K" AND "L".		

RJB WIRES SIZE CONNECTION RANGES

DESCRIPTION	METRIC	IMPERIAL
RJB MAIN INPUT TERMINALS	0.75 to 10mm ²	18 to 6 AWG
TB21 – TB31 TERMINALS	0.14 to 1.5mm ²	26 TO 14 AWG
PS1 TERMINALS	0.14 to 3mm ²	26 TO 12 AWG

RELAY JUNCTION BOX (RJB)

- WALL MOUNT THE RJB IN THE TREATMENT ROOM AT A STANDING HEIGHT FROM THE FINISHED FLOOR FOR SERVICE ACCESSIBILITY.
- THE RJB MAY BE SURFACE-MOUNTED OR SEMI-RECESSED, UP TO A MAXIMUM OF 12CM [4 3/4"].

RJB EXPANDER CARD CUSTOMER CONNECTIONS *

F	PS1 (POWER SUPPLY) ***	100 – 250VAC (50/60HZ)
G	LAST PERSON OUT (LPO) BUTTON	24VDC **
H	CANCEL BUTTON	
I	ACCEPT BUTTON	
J	LPO AUDIBLE ALARM	
K	PRIMARY DOOR SWITCH	48VDC **
L	SECONDARY DOOR SWITCH	24VDC **
M	INTERLOCK STATUS LIGHT (ARMED)	24VDC **
N	INTERLOCK STATUS LIGHT (NOT ARMED)	
O	LIGHT CURTAIN (TRANSMITTER/RECEIVER)	
	OUTPUT SIGNAL SWITCHING DEVICE	
* POWER IS PROVIDED FROM THE RJB		
** IF THE RJB EXPANDER IS USED CONNECT THE DOOR SWITCHES TO TERMINALS "K" AND "L".		
*** POWER MAY BE CONNECTED TO RJB TB4-1 (WARNING LIGHT POWER IN) OR PROVIDED FROM AN EXTERNAL SOURCE.		

5	ISSUED FOR TENDER	2025/12/16
4	ISSUED FOR PERMIT	2025/11/21
3	MOH 2.3 RESUBMISSION	2025/06/20
2	MOH 2.3 SUBMISSION	2024/10/11
1	MOH 2.3 COSTING SUBMISSION	2024/09/13
NO	DESCRIPTION	DATE

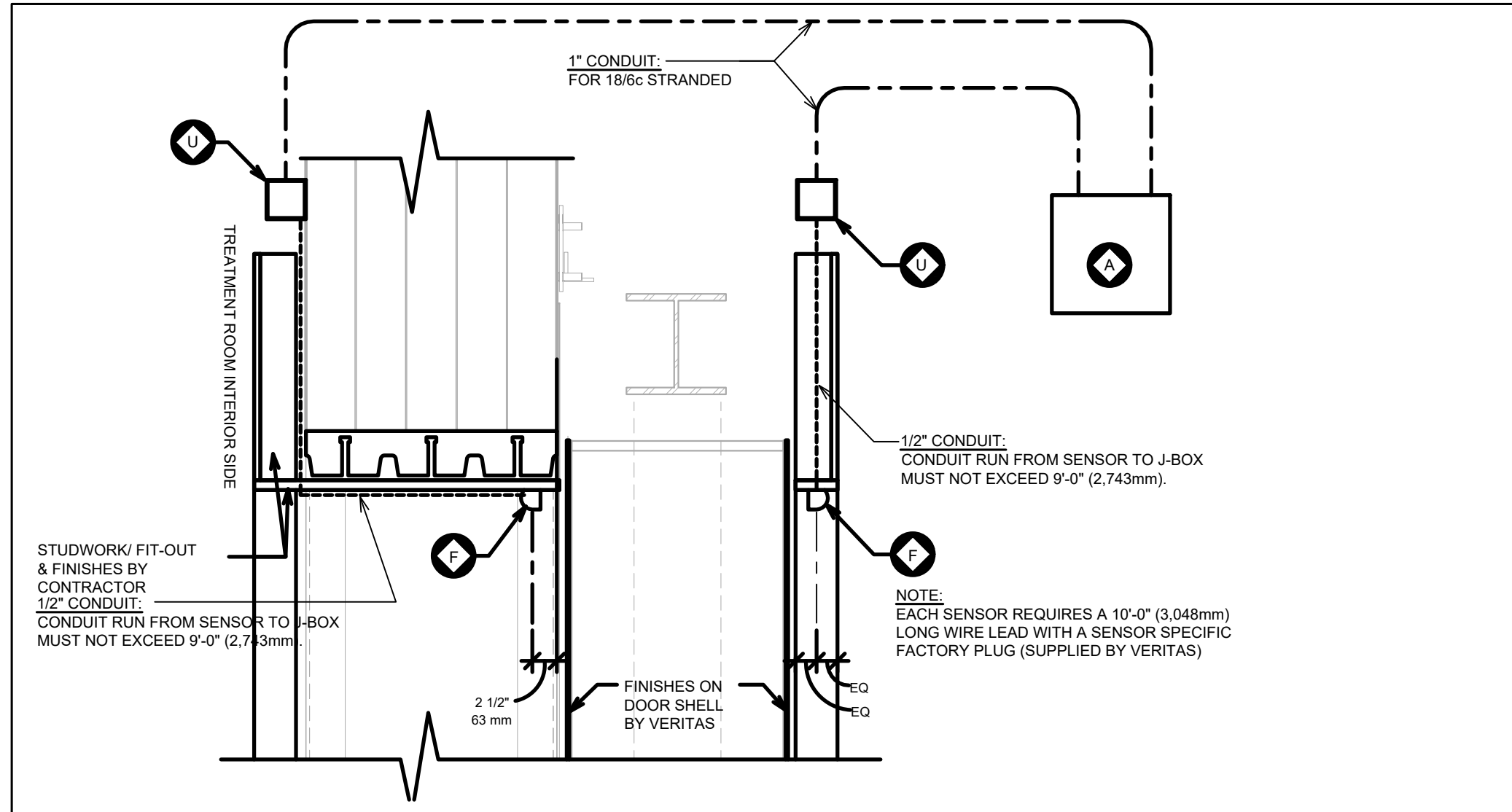
PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
HALCYON TYPICAL DETAILS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

DRAWING NO:

E704







E705 Not to Scale



1
E705

Not to Scale

DOOR CONTROL LEGEND: (ITEMS NOT PROVIDED BY VERITAS)		
TAG	ITEM NAME	COMMENTS
L	ELECTRICAL DISTRIBUTION PANEL	
R	18 AWG - 6C, JACKETED, 24V	STRANDED
T	CAT-5e (OR EQUIVALENT)	(1) RJ-45, MALE PLUG TERMINATED EACH END
NOTE:	ALL WIRING/CABLING, PULL-BOX(ES), AND CONDUIT ARE PROVIDED BY CONTRACTOR, U.N.O., TYP.	

CONDUIT LEGEND- (ITEMS <u>NOT PROVIDED</u> BY VERITAS)		
CONDUIT DESCRIPTION:	CONDUIT GRAPHICAL REPRESENTATION:	
1 1/2" [38.1mm] INTERIOR DIA. METAL CONDUIT		
1" [25.4mm] INTERIOR DIA. METAL CONDUIT		
1/2" [12.7mm] INTERIOR DIA. METAL CONDUIT		
LOOSE WIRE / CABLE		
NOTE: ALL WIRING/CABLING, PULL-BOX(ES), AND CONDUIT ARE <u>PROVIDED BY CONTRACTOR</u> . U.N.O., TYP.		

NOTE: ALL WIRING/CABLING, PULL-BOX(ES), AND CONDUIT ARE PROVIDED BY CONTRACTOR, U.N.O., TYP.

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PROJECT:
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2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE	
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SHIELDING DOOR TYPICAL DETAILS

PROJECT NO:

DRAWING NO:

CA0003678 3329

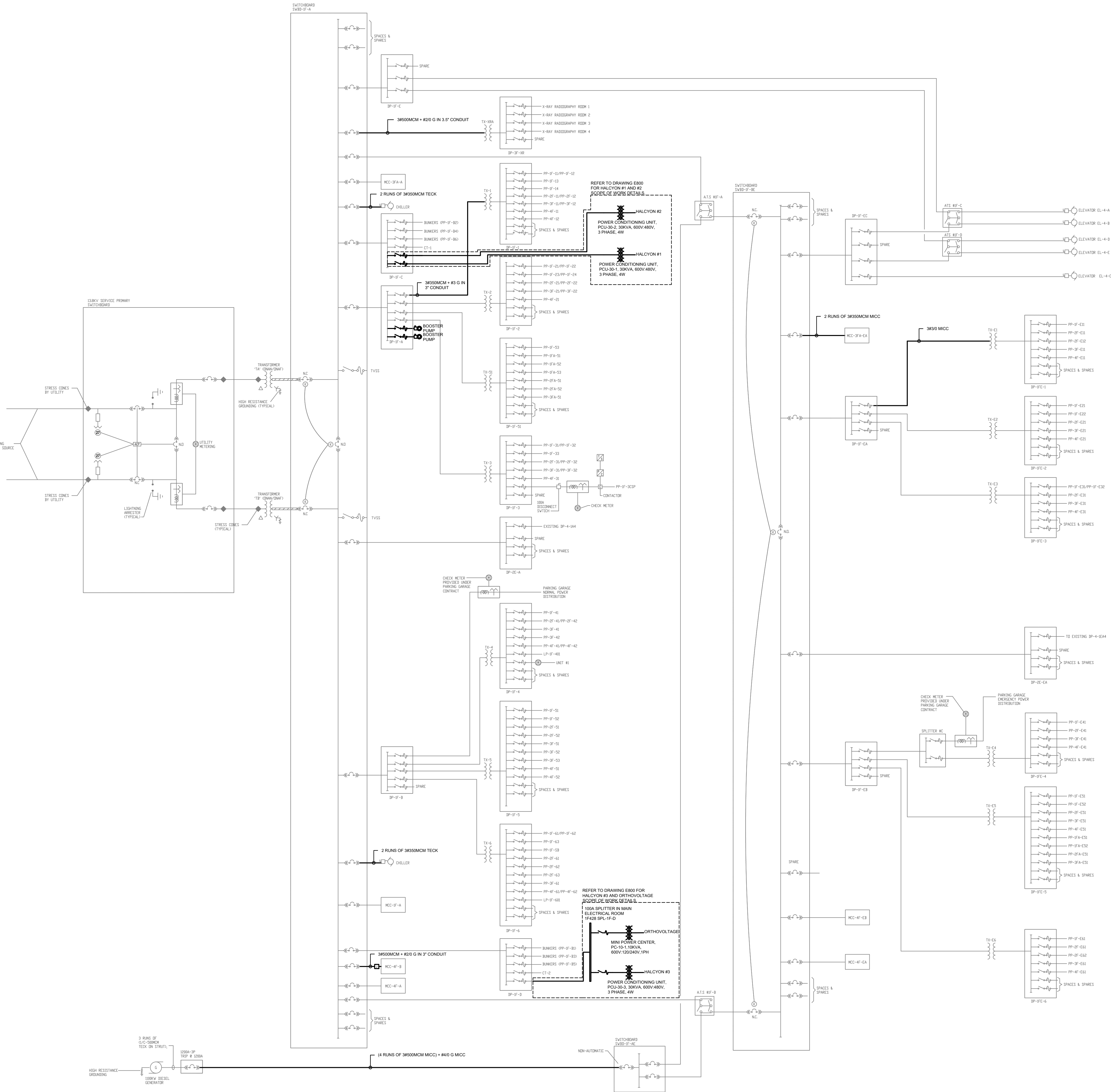
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2026-01-13
PROVINCE OF ONTARIO

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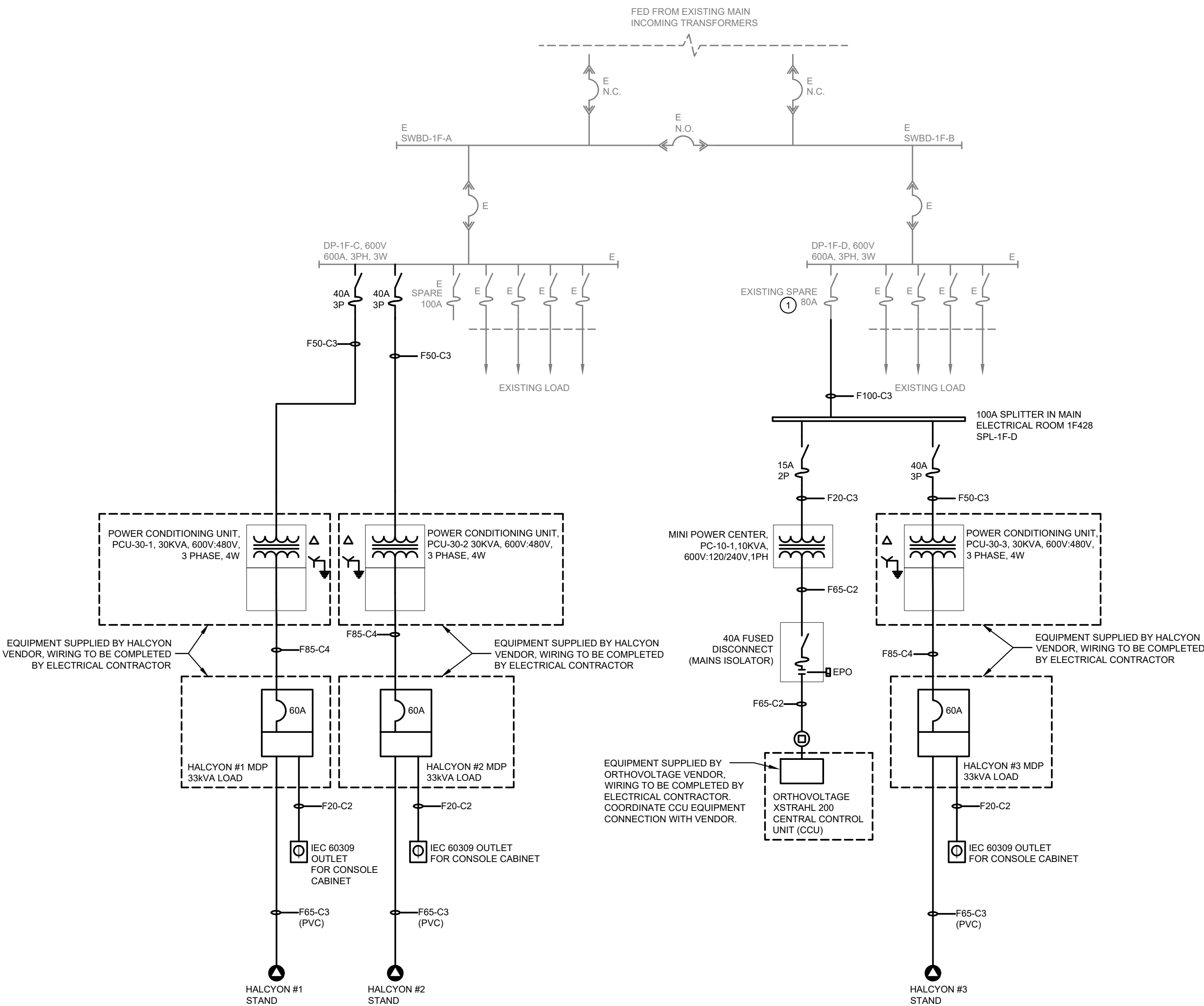
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5	ISSUED FOR TENDER	2025/12/16
4	ISSUED FOR PERMIT	2025/11/21
3	MOH 2.3 RESUBMISSION	2025/06/20
2	ISSUED FOR CONTRACT DOCUMENT	2025/06/06
1	ISSUED FOR DESIGN DEVELOPMENT	2025/04/29

PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W.
Mississauga, ON L5M 2N1

TITLE:
**ELECTRICAL SINGLE LINE DIAGRAM
BLOCK F NEW WORKS**

PROJECT NO: CA0003678.3329
CHECKED: J.L.

DRAWING NO:
E707



GROUNDING NOTES:

- EQUIPMENT GROUND CONDUCTOR TO COMPLY WITH THE FOLLOWING:
1. SIZED EQUIVALENT TO THE PHASE CONDUCTORS (FULL SIZED GROUND).
 2. DERIVED FROM THE ELECTRICAL SERVICE, TRANSFORMER OR MAIN DISTRIBUTION PANEL FEEDING THE SIEMENS EQUIPMENT.
 3. RUN IN THE SAME CONDUIT, TROUGH OR RACEWAY AS THE PHASE CONDUCTORS.
 4. CONTINUOUS, WITH NO BREAKS OR USE OF CONDUIT, CHASSIS OR EARTH AS THE SOLE GROUNDING PATH.
 5. BONDED TO CHASSIS AND/OR CONDUIT IN ACCORDANCE WITH THE OESC REQUIREMENTS.
 6. MINIMIZE CONNECTIONS OR TERMINALS TO ENSURE CONTINUITY OVER THE LIFE OF THE INSTALLATION.
 7. THE MAIN GROUND CONNECTION MUST HAVE A MAXIMUM LOOP IMPEDANCE OF 0.5 OHM FOR ORTHOVOLTAGE.

GENERAL NOTES:

1. PROVISIONS SHOWN ARE PRELIMINARY ONLY AND MUST BE VERIFIED WITH THE VENDORS INSTALLATION DRAWINGS PRIOR TO INSTALLATION
2. PROVISION OF POWER CONDITIONER TO BE CONFIRMED WITH CLIENT BASED ON POWER QUALITY METERING RESULTS.
3. SPD PROVISIONS TO BE CONFIRMED BY EQUIPMENT SUPPLIER. INCLUDE CONNECTION ON LINE SIDE OF EQUIPMENT.
4. ALL NOTATIONS 'F###-C(X)' ARE MINIMUM FEEDER SIZES CORRESPONDING TO THE FEEDER SCHEDULE. CONTRACTOR TO UPSIZE FEEDER AS REQUIRED TO ACCOMMODATE FOR VOLTAGE DROP.

DETAIL DRAWING NOTES:

1. CONTRACTOR TO CONFIRM SIZE OF FUSE. PROVIDE NEW FUSE IF SIZE OF EXISTING FUSE IS INCONSISTENT WITH SIZE SHOWN.

FEEDER SCHEDULE

FEEDER TAG#	ALLOWABLE AMPACITY (A)	CONDUCTOR SIZE	CONDUIT SIZE PER RUN(S) [3PH, 3W+GND]				CONDUIT SIZE PER RUN(S) [3PH, 4W+GND]				MAX FEEDER LENGTH [3% VOLTAGE DROP]	
			EMT	PVC	RMC	FMC	EMT	PVC	RMC	FMC	208V	600V
F20-C (X)	20	X#12 AWG + #12 AWG GND	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	30m (98FT)	87m (287FT)
F30-C (X)	30	X#10 AWG + #12 AWG GND	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	32m (105FT)	92m (304FT)
F50-C (X)	50	X#8 AWG + #10 AWG GND	3/4"	3/4"	3/4"	3/4"	3/4"	1"	3/4"	3/4"	30m (99FT)	87m (287FT)
F65-C (X)	65	X#6 AWG + #8 AWG GND	1"	1"	1"	1"	1"	1"	1"	1"	36m (119FT)	105m (344FT)
F85-C (X)	85	X#4 AWG + #8 AWG GND	1"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	43m (142FT)	125m (410FT)
ALL FEEDERS BELOW SHALL BE RATED FOR 1000V INSULATION												
F100-C (X)	100	X#3 AWG + #8 AWG GND	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/4"	1-1/2"	1-1/2"	45m (149FT)	131m (431FT)
F115-C (X)	115	X#2 AWG + #6 AWG GND	1-1/4"	1-1/2"	1-1/4"	1-1/2"	1-1/2"	1-1/4"	1-1/2"	1-1/2"	49m (161FT)	142m (465FT)
F130-C (X)	130	X#1 AWG + #6 AWG GND	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2"	53m (174FT)	153m (504FT)
F150-C (X)	150	X#1/0 AWG + #6 AWG GND	1-1/2"	2"	1-1/2"	2"	2"	2"	2"	2"	56m (186FT)	163m (537FT)
F175-C (X)	175	X#2/0 AWG + #6 AWG GND	2"	2"	2"	2"	2"	2"	2"	2"	59m (194FT)	171m (561FT)
F200-C (X)	200	X#3/0 AWG + #6 AWG GND	2"	2"	2"	2"	2-1/2"	2"	2-1/2"	2"	63m (206FT)	181m (595FT)
F230-C (X)	230	X#4/0 AWG + #4 AWG GND	2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	65m (215FT)	189m (622FT)
F255-C (X)	255	X#250 MCM + #4 AWG GND	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	2-1/2"	2-1/2"	2-1/2"	67m (220FT)	193m (634FT)
F285-C (X)	285	X#300 MCM + #4 AWG GND	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	3"	3"	3"	68m (223FT)	196m (645FT)
F300-C (X)	300	2 RUNS (X#1/0 AWG + #6 AWG GND)	1-1/2"	2"	1-1/2"	2"	2"	2"	2"	2"	56m (186FT)	163m (537FT)
F310-C (X)	310	X#350 MCM + #3 AWG GND	2-1/2"	3"	2-1/2"	2-1/2"	3"	3"	3"	3"	70m (230FT)	202m (664FT)
F335-C (X)	335	X#400 MCM + #3 AWG GND	2-1/2"	3"	3"	3"	3"	3"	3"	3"	70m (232FT)	204m (669FT)
F350-C (X)	350	2 RUNS (X#2/0 AWG + #6 AWG GND)	2"	2"	2"	2"	2"	2"	2"	2"	59m (194FT)	171m (561FT)
F380-C (X)	380	X#500 MCM + #3 AWG GND	3"	3"	3"	3"	3-1/2"	3-1/2"	3-1/2"	3-1/2"	71m (235FT)	207m (680FT)
F400-C (X)	400	2 RUNS (X#3/0 AWG + #6 AWG GND)	2"	2"	2"	2"	2-1/2"	2"	2-1/2"	2"	63m (206FT)	181m (595FT)
F420-C (X)	420	X#600 MCM + #2 AWG GND	3"	3-1/2"	3"	3-1/2"	3-1/2"	3-1/2"	3-1/2"	3-1/2"	72m (236FT)	208m (682FT)
F460-C (X)	460	2 RUNS (X#4/0 AWG + #4 AWG GND)	2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	65m (215FT)	189m (622FT)

NOTES:

1. X = 2 (FOR 1PH, 2POLE, 3W); 3 (FOR 3PH, 3W); 4 (FOR 3PH, 4W)
-C: FEEDER CABLES TO BE RW90 COPPER.
-FR: FEEDER CABLES TO BE COPPER AND 2 HOURS FIRE RATED.
2. TABLE IS ACCORDING TO ONTARIO ELECTRICAL SAFETY CODE (OESC) 2021-28TH EDITION, TABLES 2, 6A, 6B, 90, 96 AND D3.
3. MAXIMUM FEEDER LENGTH FOR 3% VOLTAGE DROP FOR 208V AND 600V SYSTEMS ARE SHOWN ON SEPARATE COLUMNS.
4. EMT = ELECTRICAL METALLIC TUBING, PVC = POLYVINYL CHLORIDE, RMC = RIGID METAL CONDUIT, FMC = FLEXIBLE METAL CONDUIT. PROVIDE EMT CONDUIT UNLESS OTHERWISE NOTED.
5. CONTRACTOR IS RESPONSIBLE TO MEASURE THE ACTUAL DISTANCE ON SITE AND PROVIDE THE CORRECT WIRING/CONDUIT SIZES. IF THE DISTANCE IS MORE THAN THE INDICATED AMOUNTS, UPSIZE THE FEEDER TO SUIT. COORDINATE WITH CONSULTANT PRIOR TO ORDERING.
6. CABLE MAY BE LARGE FOR THE PANEL DUE TO VD. CONTRACTOR TO COORDINATE WITH MANUFACTURER PRIOR TO ORDERING AND/OR PROVIDE CONNECTION BOX FOR INCOMING FEEDER AS REQUIRED.
7. FOR CONDUCTORS LARGER THAN 500 MCM, CONTRACTOR TO COORDINATE WITH MANUFACTURER FOR PULL CALCULATIONS AND REQUIREMENTS.
8. NOTIFY CONSULTANT IMMEDIATELY FOR ANY CONCERNS AND PROVIDE MULTIPLE RUNS OF A SMALLER SIZE AS REQUIRED TO OWNER AT NO EXTRA COST.

CONDUIT SIZE (")	CONDUIT SIZE (mm)
3/4"	21mm
1"	27mm
1-1/4"	35mm
1-1/2"	41mm
2"	53mm
2-1/2"	63mm
3"	78mm
3-1/2"	91mm
4"	103mm

WIRE SIZE	BREAKER SIZE (AMPERES)	15	20	30	40	50	60	70	80	100
MAX. LOAD AT 80% (AMPERES)		12	16	24	32	40	48	56	68	80
NO.12	----	16.8	12.2	----	----	----	----	----	----	----
NO.10	----	25.9	19.0	12.9	----	----	----	----	----	----
NO.8	----	39.6	30.4	20.5	15.2	----	----	----	----	----
NO.6	----	62.4	47.2	32.0	23.6	19.0	16.0	----	----	----
NO.4	----	99.0	73.1	50.2	38.1	30.4	24.3	21.3	19.0	----
NO.2	----	----	114.3	77.2	57.9	47.2	38.8	33.5	28.9	22.8
NO.1	----	----	----	96.0	73.1	57.9	47.2	42.6	36.5	27.4
NO.1/0	----	----	----	----	85.3	68.5	56.3	48.7	41.9	33.5
NO.2/0	----	----	----	----	102.8	80.7	67.0	57.9	50.2	40.3
NO.3/0	----	----	----	----	----	95.2	79.2	68.5	59.4	47.2
NO.4/0	----	----	----	----	----	----	92.9	79.2	70.1	56.3
250 MCM	----	----	----	----	----	----	102.8	86.8	76.2	60.9
300 MCM	----	----	----	----	----	----	----	100.5	88.3	70.1

NOTE: DISTANCES INDICATED IN METRES FROM PANEL TO LOAD FOR SINGLE PHASE.

3 E800 MAXIMUM BRANCH WIRING DISTANCE FOR 120 VOLT SYSTEM AT 2% VOLTAGE DROP SCALE NTS

CLIENT:

Trillium Health Partners
2200 Eglinton Avenue West
Mississauga, ON, L5M 2N1
905 813 2200
thp.ca

CONSULTANT:

CUMULUS ARCHITECTS INC.
160 Pears Ave. - Suite 300
Toronto, ON M6R 3P8
416-539-0783
www.cumulusarch.com

SEAL:



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WSP Canada Inc.
150 Commerce Valley Dr. W, Thornhill, ON L3T 7Z3 Canada
T 905-882-0055 | www.wsp.com

NO	DESCRIPTION	DATE
8	ISSUED FOR TENDER	2026/12/16
7	ISSUED FOR PERMIT	2025/11/21
6	MOH 2.3 RESUBMISSION	2025/06/20
5	MOH 2.3 SUBMISSION	2024/10/11
4	MOH 2.3 COSTING SUBMISSION	2024/06/13
3	MOH 2.3 COSTING SUBMISSION	2024/06/17
2	ISSUED FOR MOH 1.3/2.1/2.2	2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT	2023/09/19

PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
PARTIAL ELECTRICAL
SINGLE LINE DIAGRAM

PROJECT NO: CA0003678.3329
CHECKED: J.L.
DRAWING NO: E800

Existing Panel:		PP-1F-12										LOCATION:		1F109 ElecRm #15		VOLTAGE:		208/120V		MAINS:		225A, 3Ø, 4W		10KA		MAIN BREAKER:		UPSTREAM SOURCE BREAKER: 200A		YES	
SUPPLIED FROM:		MOUNTING:												I.C. RATING:												NOTES:					
CCT	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	LOAD (W)			NOTES	GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT															
							A	B	C																						
1	EXISTING LOAD		20	1			0	0							EXISTING LOAD	2															
3	EXISTING LOAD		20	1				0	0			3	15		EXISTING LOAD	4															
5	EXISTING LOAD		20	1					0	0					EXISTING LOAD	6															
7	EXISTING LOAD		20	1			0	0							EXISTING LOAD	8															
9	SPARE		20	1				0	0			3	15		EXISTING LOAD	10															
11	SPARE		20	1					0	0					EXISTING LOAD	12															
13	EXISTING LOAD		15	1			0	0							EXISTING LOAD	14															
15	EXISTING LOAD		15	1				0	0			3	15		EXISTING LOAD	16															
17	EXISTING LOAD		15	1					0	0					EXISTING LOAD	18															
19	EXISTING LOAD		15	1			0	0				1	15		EXISTING LOAD	20															
21	EXISTING LOAD		15	1				0	0			1	15		EXISTING LOAD	22															
23	EXISTING LOAD		15	1					0	0		1	15		SPARE	24															
25	EXISTING LOAD		15	1			0	0				1	15		EXISTING LOAD	26															
27	SPARE		15	1					0	0		1	15		SPARE	28															
29	SPARE		15	1						0	0	1	15		SPARE	30															
31	EXISTING LOAD		15	1			0	0				1	15		EXISTING LOAD	32															
33	EXISTING LOAD		15	1				0	0			1	15		EXISTING LOAD	34															
35	REC(PR)-RAD.SUP1F151B, PLANNING RM 1F165, RESC.TEAM1F151A	A	15	1					1000	600		1	15	A	REC-RESC. TEAM - 1F151A (4)	36															
37	REC-RAD.SUP1F151B	A	20	1			400	600				1	15	A	REC-PLANNING RM 1F165 (4)	38															
39	REC-RAD.SUP1F151B, RESC.TEAM1F151A	A	15						600	600		1	15	A	REC-PLANNING RM 1F165 (4)	40															
41	SPACE									0	0		1	15		EXISTING LOAD	42														
							TOTAL LOAD:			1000 W			1200 W			1600 W															
							TOTAL AMP:			8.33 A			10.00 A			13.33 A															
LOAD TYPE		CONNECTED (W)		DIV.		DEMAND (W)		LOAD TYPE		CONNECTED (W)		DIV.		DEMAND (W)		PANEL LOAD TOTALS															
A	RECEPTACLE	3600		0.80		3600		E OTHER 1		0		0.60		0		NEW CONNECTED LOAD (W)		3600	W												
B	LIGHTING	0		0.80		0		F OTHER 2		0		0.90		0		NEW EST. DEMAND (W)		3040	W												
C	MOTOR	0		0.60		0		G OTHER 3		0		0.80		0		NEW CONNECTED (A)		10.55	A												
D	HEATING	0		0.80		0		H OTHER 4		0		0.80		0		NEW EST. DEMAND (A)		8.44	A												
NOTES:																															

Existing Panel:		PP-1F-23		LOCATION:		1F401 ElecRm #17		VOLTAGE:		208/120V		MAIN BREAKER:		YES		UPSTREAM SOURCE BREAKER:		200A			
SUPPLIED FROM:		DP-1F-2		MOUNTING:		SURFACE		I.M.S. RATING:		10KA		NOTES:									
CCT	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	LOAD (W)			NOTES			GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT			
							A		B		C										
1	EXISTING LOAD		20	1			0	0							1	15		EXISTING LOAD	2		
3	EXISTING LOAD		20	1			0	600							1	15	A	REC-CTRL RM1F209 (4)	4		
5	EXISTING LOAD		20	1						0	0					1	15	SPARE	6		
7	EXISTING LOAD		20	1			0	0							1	15		EXISTING LOAD	8		
9	SPARE		20	1			0	0		0	0				1	15		EXISTING LOAD	10		
11	EXISTING LOAD		15	1						0	0				1	15		EXISTING LOAD	12		
13	EXISTING LOAD		15	1			0	0							1	15		EXISTING LOAD	14		
15									0	0					1	15		EXISTING LOAD	16		
17	EXISTING LOAD		15	3			0	0		0	0				1	15		EXISTING LOAD	18		
19							0	0							1	15		EXISTING LOAD	20		
21							0	0							1	15		EXISTING LOAD	22		
23	EXISTING LOAD		15	3						0	0				1	15		EXISTING LOAD	24		
25							0	0							1	15		EXISTING LOAD	26		
27	EXISTING LOAD		15	1			0	0							1	15		EXISTING LOAD	28		
29	EXISTING LOAD		15	1						0	0				1	15		EXISTING LOAD	30		
31	EXISTING LOAD		15	1			0	0							1	15		EXISTING LOAD	32		
33	EXISTING LOAD		15	1					0	0					1	15		EXISTING LOAD	34		
35	EXISTING LOAD		15	1						0	565				1	20	B	LTG - HALCYON2, RECOVERY/HOLDING, CH, VEST, WC	36		
37	EXISTING LOAD		15	1			0	0							1	15		EXISTING LOAD	38		
39	EXISTING LOAD		15	1					0	0					1	15		EXISTING LOAD	40		
41	EXISTING LOAD		15	1						0	0				1	15		EXISTING LOAD	42		
43	HK-REC/HOLD 1F200, VEST 1F209A	A	20	1			600	0							3	15		EXISTING LOAD	44		
45	REC-ELEC BED 1F200	A	15	1				600	0									EXISTING LOAD	46		
47	REC-CTRL RM1F209(2)	A	15	1						400	0							EXISTING LOAD	48		
49	REC-CTRL AREA 1F209(1), WAIT1F210(2)	A	15	1			600	0							1	15		EXISTING LOAD	50		
51	REC-ELEC BED 1F200	A	15	1				600	600						1	15	A	REC-RECOVERHOLD 1F200 (MSU)	52		
53	EXISTING LOAD		15	1						0	0				1	15		EXISTING LOAD	54		
55	REC-RECOVERHOLD 1F200	A	15	1			800	600							1	15	A	REC-RECOVERHOLD 1F200 (MSU)	56		
57	REC-RECOVERHOLD 1F200 (CC)	A	15	1				400	600						1	15	A	REC-RECOVERHOLD 1F200 (MSU)	58		
59	REC-RECOVERHOLD 1F200	A	15	1						600	0				1	15		EXISTING LOAD	60		
61	EXISTING LOAD		15	1			0	0							1	15		EXISTING LOAD	62		
63	REC-WC1F199, CH1F198	A	15	1				600	600						1	15	A	REC-RECOVERHOLD 1F200 (MSU)	64		
65	REC-RECOVERHOLD 1F200 (PR/FAX, SCALE)	A	15	1						1000	0				1	15		EXISTING LOAD	66		
67	REC-RECOVERHOLD 1F200 (LABEL PR & SPECIMEN PR)	A	15	1			1000	600							1	15	A	REC-RECOVERHOLD 1F200 (MSU)	68		
69	REC-RECOVERHOLD 1F200 (GMC, BW)	A	15	1					1000	600					1	15	A	REC-RECOVERHOLD 1F200 (MSU)	70		
71	EXISTING LOAD		15	1							0	0			1	20		EXISTING LOAD	72		
TOTAL LOAD:							4200 W		6400 W		2565 W										
TOTAL AMP:							35.00 A		53.33 A		21.38 A										
LOAD TYPE		CONNECTED (W)		DIV.	DEMAND (W)		LOAD TYPE		CONNECTED (W)		DIV.	DEMAND (W)		PANEL LOAD TOTALS							
A	RECEPTACLE	12600			0.80	10080		E	OTHER 1	0		0.60	0	NEW CONNECTED LOAD (W)						13165	W
B	LIGHTING	565			0.80	452		F	OTHER 2	0		0.90	0	NEW EST. DEMAND (W)						10532	W
C	MOTOR	0			0.60	0		G	OTHER 3	0		0.80	0	NEW CONNECTED (A)						36.54	A
D	HEATING	0			0.80	0		H	OTHER 4	0		0.80	0	NEW EST. DEMAND (A)						29.23	A
NOTES:																					

Existing Panel:		PP-1F-62		1F100 ElecRm #H14		VOLTAGE: 208/120V		MAIN BREAKER: YES		UPSTREAM SOURCE BREAKER: 200A								
LOCATION:		DP-1F-6		SURFACE		MOUNTING:		NOTES:										
SUPPLIED FROM:		LOAD (W)		NOTES		GFI		POLES		TRIP		LOAD TYPE						
MOUNTING:		LOAD (W)		NOTES		GFI		POLES		TRIP		LOAD TYPE						
CCT	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	A	B	C	NOTES	GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT		
1	EXISTING LOAD		20	1			0	0			1	15			EXISTING LOAD	2		
3	EXISTING LOAD		20	1					0	0		1	15		EXISTING LOAD	4		
5	EXISTING LOAD		20	1					0	0		1	15		EXISTING LOAD	6		
7	EXISTING LOAD		20	1			0	0			1	15			EXISTING LOAD	8		
9	EXISTING LOAD		20	1					0	0		1	15		EXISTING LOAD	10		
11	EXISTING LOAD		15	1					0	0		1	15		EXISTING LOAD	12		
13	EXISTING LOAD		15	1			0	0			1	15			EXISTING LOAD	14		
15	EXISTING LOAD		15	1					0	0		1	15		EXISTING LOAD	16		
17	EXISTING LOAD		15	1			0	0				3	15		EXISTING LOAD	18		
19	EXISTING LOAD		15	1												20		
21	EXISTING LOAD		15	1					0	0						22		
23	EXISTING LOAD		15	1					0	600		1	15	A	REC-CCA RM - 1F101 (3)	24		
25	EXISTING LOAD		15	1			0	600				1	15	A	REC-CCA RM - 1F101 (4)	26		
27	EXISTING LOAD		15	1					0	600		1	15	A	REC-WORKRM(B) 1F151 (4)	28		
29	EXISTING LOAD		15	1							0	600		1	15	A	REC-WORKRM(B) 1F151 (4)	30
31	EXISTING LOAD		15	1			0	0					1	15		EXISTING LOAD	32	
33	EXISTING LOAD		15	1					0	0							34	
35	EXISTING LOAD		15	1							0	0		3	30		EXISTING LOAD	36
37	EXISTING LOAD		15	1			0	0					1	15		EXISTING LOAD	38	
39	EXISTING LOAD		15	1					0	0			1	15		EXISTING LOAD	40	
41	EXISTING LOAD		15	1							0	0		1	15	EXISTING LOAD	42	
43	EXISTING LOAD		15	1			0	0					1	15		EXISTING LOAD	44	
45	EXISTING LOAD		15	1					0	0			1	15		EXISTING LOAD	46	
47	EXISTING LOAD		15	1							0	0		1	15	EXISTING LOAD	48	
49	EXISTING LOAD		15	1			0	890					1	20	B	LTG - Workroom1F152, Workroom1F161, Storage 1F162A, Kitchen 1F102, Eq & Maint 1F162, Staff Lounge 1F102, CCA Rm 1F101	50	
51	REC(HK)-WKRM A 1F152, WKRM B 1F161,STOR1F162A,REC(HK) KITCHEN1F102,CCA RM1F101, STAFF LOUNGE 1F103	A	20	1					1200	1000			1	20	A	REC(MW) - KITCHEN 1F102	52	
53	REC-WKRM A 1F152, WKRM B 1F151 (2PR, 2)	A	15	1							1000	1000		1	20	A	REC(MW) - KITCHEN 1F102	54
55	REC- KITCHEN1F102	A	15	1			600	600					1	15	A	REC-WKRM(B) 1F151 (4)	56	
57	REC-STAFF LOUNGE 1F103	A	15	1				600	600				1	15	A	REC-WKRM(B) 1F151 (4)	58	
59	REC-WKRM(A) 1F152 (4)	A	15	1					600	600			1	15	A	REC-WKRM(B) 1F151 (4)	60	
61	EXISTING LOAD		15	3			0	600					1	15	A	REC-WKRM(B) 1F151 (4)	62	
63	EXISTING LOAD								0	600			1	15	A	REC-WKRM(B) 1F151 (4)	64	
65	EXISTING LOAD										0	600		1	15	A	REC-WKRM(B) 1F151 (4)	66
67	REC-WKRM(A) 1F152 (4)	A	15	1			600	600					1	15	A	REC-WKRM(A) 1F152 (4)	68	
69	REC-WKRM(A) 1F152 (4)	A	15	1					600	0			1	15	A	REC-WKRM(A) 1F152 (4)	70	
71	REC-WKRM(A) 1F152 (4)	A	15	1							600	0				SPACE	72	
TOTAL LOAD:							4690 W	5400 W	5600 W									
TOTAL AMP:							39.08 A	45.00 A	46.67 A									
LOAD TYPE		CONNECTED (W)	DIV.	DEMAND (W)	LOAD TYPE	CONNECTED (W)	DIV.	DEMAND (W)	PANEL LOAD TOTALS									
A	RECEPTACLE	14400	0.70	10080	E	OTHER 1	0	0.60	0	NEW CONNECTED LOAD (W)		15690	W					
B	LIGHTING	890	0.80	712	F	OTHER 2	0	0.90	0	NEW EST. DEMAND (W)		11072	W					
C	MOTOR	0	0.60	0	G	OTHER 3	0	0.80	0	NEW CONNECTED (A)		43.55	A					
D	HEATING	0	0.80	0	H	OTHER 4	0	0.80	0	NEW EST. DEMAND (A)		30.73	A					
NOTES:																		

Existing Panel:		PP-1F-E22		1F401 ElecRm #17
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Existing Panel:		PP-1F-14				LOCATION:		1F113 ElecRm		VOLTAGE:		208/120V		MAIN BREAKER:		YES	
SUPPLIED FROM:		DP-1F-1				MOUNTING:		SURFACE		MAINS:		225A, 3Ø, 4W		UPSTREAM SOURCE BREAKER:		200A	
										I.C. RATING:		10KA		NOTES:			
CCT	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	LOAD (W)				NOTES	GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT
							A	B	C								
1	EXISTING LOAD		15	1			0	0						1	15	EXISTING LOAD	2
3	EXISTING LOAD		20	1				0	0					1	15	EXISTING LOAD	4
5	EXISTING LOAD		15	1					0	0				1	15	EXISTING LOAD	6
7	EXISTING LOAD		15	1			0	0						1	15	EXISTING LOAD	8
9	EXISTING LOAD		30	1				0	0					1	15	EXISTING LOAD	10
11	EXISTING LOAD		15	1					0	0				1	15	EXISTING LOAD	12
13	EXISTING LOAD		15	1			0	0						1	15	EXISTING LOAD	14
15	EXISTING LOAD		15	1				0	0					1	15	EXISTING LOAD	16
17	EXISTING LOAD		20	1					0	0				1	15	EXISTING LOAD	18
19	EXISTING LOAD		15	1			0	0						1	20	EXISTING LOAD	20
21	EXISTING LOAD		15	1				0	0					1	20	EXISTING LOAD	22
23	EXISTING LOAD		15	1					0	0				1	20	EXISTING LOAD	24
25	EXISTING LOAD		15	1			0	0						1	20	EXISTING LOAD	26
27	EXISTING LOAD		20	1				0	0					1	20	EXISTING LOAD	28
29	EXISTING LOAD		20	1					0	0				1	20	EXISTING LOAD	30
31	EXISTING LOAD		20	1			0	0						1	20	EXISTING LOAD	32
33	EXISTING LOAD		20	1				0	0					1	20	EXISTING LOAD	34
35	EXISTING LOAD		20	1					0	0				1	20	EXISTING LOAD	36
37	EXISTING LOAD		20	1			0	0						1	20	EXISTING LOAD	38
39	EXISTING LOAD		15	1				0	0					1	15	EXISTING LOAD	40
41	EXISTING LOAD		15	1					0	0				1	15	EXISTING LOAD	42
43	EXISTING LOAD		15	1			0	0						1	15	EXISTING LOAD	44
45	EXISTING LOAD		15	1				0	0					1	20	EXISTING LOAD	46
47	EXISTING LOAD		15	1					0	0				1	15	EXISTING LOAD	48
49	EXISTING LOAD		15	1			0	0						1	15	EXISTING LOAD	50
51	EXISTING LOAD		15	1				0	0					1	15	EXISTING LOAD	52
53	EXISTING LOAD		15	1					0	0				1	15	EXISTING LOAD	54
55	EXISTING LOAD		20	1			0	0						1	15	EXISTING LOAD	56
57	EXISTING LOAD		20	1				0	0					1	15	EXISTING LOAD	58
59	EXISTING LOAD		20	1					0	0				1	15	EXISTING LOAD	60
61	SPARE		20	1			0	0								SPACE	62
63	SPARE		20	1				0	0							SPACE	64
65	SPARE		20	1					0	0						SPACE	66
67	SPARE						0	0								SPACE	68
69	SPARE							0	0							SPACE	70
71	SPARE								0	0						SPACE	72
73	SPARE						0	0								SPACE	74
75	SPARE							0	0							SPACE	76
77	SPARE								0	0						SPACE	78
79	SPARE						0	0								SPACE	80
81	SPARE							0	0							SPACE	82
83	SPARE								0	0						SPACE	84
							TOTAL LOAD:		0 W	0 W	0 W						
							TOTAL AMP:		0.00 A	0.00 A	0.00 A						
LOAD TYPE		CONNECTED (W)	DIV.	DEMAND (W)		LOAD TYPE	CONNECTED (W)	DIV.	DEMAND (W)		PANEL LOAD TOTALS						
A	RECEPTACLE	0	0.80	0	E	OTHER 1	0	0.80	0	NEW CONNECTED LOAD (W)		0	W				
B	LIGHTING	0	0.80	0	F	OTHER 2	0	0.90	0	NEW EST. DEMAND (W)		0	W				
C	MOTOR	0	0.60	0	G	OTHER 3	0	0.80	0	NEW CONNECTED (A)		0.00	A				
D	HEATING	0	0.80	0	H	OTHER 4	0	0.80	0	NEW EST. DEMAND (A)		0.00	A				
NOTES:																	

Existing Panel:		PP-1F-22		LOCATION:		1F401 ElecRm #17		VOLTAGE:		208/120V		MAIN BREAKER:		YES				
SUPPLIED FROM:		DP-1F-2		MOUNTING:		SURFACE		MAINS:		225A, 3Ø, 4W		UPSTREAM SOURCE BREAKER:		200A				
								I.C. RATING:		10KA		NOTES:						
CCT	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	LOAD (W)					NOTES	GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT
							A		B		C							
1	EXISTING LOAD		20	1			0	0							1	15	EXISTING LOAD	2
3	EXISTING LOAD		20	1					0	0					1	15	EXISTING LOAD	4
5	EXISTING LOAD		20	1							0	0			1	15	EXISTING LOAD	6
7	EXISTING LOAD		20	1			0	0							1	15	EXISTING LOAD	8
9	EXISTING LOAD		15	1					0	0					1	15	EXISTING LOAD	10
11	EXISTING LOAD		15	1							0	0			1	15	SPARE	12
13	EXISTING LOAD		15	1			0	0							1	15	EXISTING LOAD	14
15	EXISTING LOAD		15	1					0	0					1	15	EXISTING LOAD	16
17	EXISTING LOAD		15	1							0	0			1	15	EXISTING LOAD	18
19	EXISTING LOAD		15	1			0	0							1	15	EXISTING LOAD	20
21									0	0					1	15	EXISTING LOAD	22
23	EXISTING LOAD		15	3							0	0			1	15	EXISTING LOAD	24
25							0	0							1	15	EXISTING LOAD	26
27	EXISTING LOAD		15	1					0	0					1	15	EXISTING LOAD	28
29	EXISTING LOAD		15	1							0	0			1	15	SPARE	30
31	SPARE		15	1			0	0							1	15	EXISTING LOAD	32
33									0	0					1	15	EXISTING LOAD	34
35	EXISTING LOAD		15	3							0	0			2	20	EXISTING LOAD	36
37							0	0							1	15	EXISTING LOAD	38
39	EXISTING LOAD		15	1					0	0					1	15	EXISTING LOAD	40
41	EXISTING LOAD		15	1							0	0			1	15	SPARE	42
43							0	0										44
45	EXISTING LOAD		15	3					0	0					3	50	EXISTING LOAD	46
47											0	0						48
49	EXISTING LOAD		15	1			0	0									EXISTING LOAD	50
51	SPACE								0	0					3	50	EXISTING LOAD	52
53	SPACE										0	0					SPACE	54
55	SPACE						0	0									SPACE	56
57	SPACE								0	0							SPACE	58
59	SPACE										0	0					SPACE	60
61	SPACE						0	0									SPACE	62
63	SPACE								0	0							SPACE	64
65	SPACE										0	0					SPACE	66
67	SPACE						0	0									SPACE	68
69	SPACE								0	0							SPACE	70
71	SPACE										0	0					SPACE	72
							TOTAL LOAD:		0 W	0 W	0 W							
							TOTAL AMP:		0.00 A	0.00 A	0.00 A							
LOAD TYPE		CONNECTED (W)	DIV.	DEMAND (W)	LOAD TYPE		CONNECTED (W)	DIV.	DEMAND (W)		PANEL LOAD TOTALS							
A	RECEPTACLE	0	0.80	0	E	OTHER 1	0	0.80	0	NEW CONNECTED LOAD (W)		0	W					
B	LIGHTING	0	0.80	0	F	OTHER 2	0	0.90	0	NEW EST. DEMAND (W)		0	W					
C	MOTOR	0	0.60	0	G	OTHER 3	0	0.80	0	NEW CONNECTED (A)		0.00	A					
D	HEATING	0	0.80	0	H	OTHER 4	0	0.80	0	NEW EST. DEMAND (A)		0.00	A					
NOTES:																		

Existing Panel:

LOCATION: 1F100 ElecRm #H14

SUPPLIED FROM: DP-1F-6

MOUNTING: SURFACE

VOLTAGE: 208/120V

MANS: 225A, 3Ø, 4W

I.C. RATING: 10KA

MAIN BREAKER: UPSTREAM SOURCE BREAKER:

YES 200A

NOTES:

	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	LOAD (W)			NOTES	GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT
							A	B	C							
1	EXISTING LOAD		15	1			0	0							2	
3	EXISTING LOAD		20	1				0	0			3	15		EXISTING LOAD	4
5	EXISTING LOAD		15	1												6
7	EXISTING LOAD		15	1			0	0								8
9	SPARE		30	1				0	0			3	15		EXISTING LOAD	10
11	SPACE											1	15			12
13	SPACE						0	0								14
15	SPACE							0	0			3	15		EXISTING LOAD	16
17	SPACE											1	15			18
19	SPARE		15	1			0	0				1	20		SPARE	20
21	SPARE		15	1				0	0			1	20		EXISTING LOAD	22
23	EXISTING LOAD		15	1								1	20		EXISTING LOAD	24
25	EXISTING LOAD		15	1			0	0				1	20		SPARE	26
27	SPARE		20	1				0	0			1	20		SPARE	28
29	SPARE		20	1								20			SPARE	30
31	SPARE		20	1			0	0				1	20		SPARE	32
33	SPARE		20	1				0	0			1	20		SPARE	34
35	SPARE		20	1								1	20		SPARE	36
37	SPARE		20	1			0	0				1	20		EXISTING LOAD	38
39	SPARE		15	1								1	15		EXISTING LOAD	40
41	EXISTING LOAD		15	1								1	15		EXISTING LOAD	42
43	EXISTING LOAD		15	1			0	0								44
45	EXISTING LOAD		15	1								3	15		EXISTING LOAD	46
47																48
49	EXISTING LOAD		15	3			0	0				3				50
51								0	0				1	15	EXISTING LOAD	52
53												1	15			54
55	EXISTING LOAD		15	3			0	0				1	15		EXISTING LOAD	56
57								0	0				1	15	EXISTING LOAD	58
59	EXISTING LOAD		15	1								1	15		SPARE	60
61	EXISTING LOAD		15	1			0	0							SPACE	62
63	EXISTING LOAD		15	1				0	0						SPACE	64
65	EXISTING LOAD		15	1											SPACE	66
67							0	0							SPACE	68
69	EXISTING LOAD		15	3				0	0						SPACE	70
71												0	0		SPACE	72
73							0	0				1	15		EXISTING LOAD	74
75	EXISTING LOAD		15	3				0	0			1	15		EXISTING LOAD	76
77												1	15		EXISTING LOAD	78
79	SPARE		15	1			0	0				1	15		SPARE	80
81	SPARE		15	1				0	0			1	15		SPARE	82
83	SPARE		15	1								1	15		SPARE	84

TOTAL LOAD:

TOTAL AMP:

0 W

0 W

0 W

0.00 A

0.00 A

0.00 A

LOAD TYPE

CONNECTED (W)

DIV.

OTHER 1

0

0.80

0

NEW CONNECTED LOAD (W)

0

W

LOAD TYPE

CONNECTED (W)

DIV.

OTHER 2

0

0.90

0

NEW EST. DEMAND (W)

0

W

LOAD TYPE

CONNECTED (W)

DIV.

OTHER 3

0

0.80

0

NEW CONNECTED (A)

0.00

A

LOAD TYPE

CONNECTED (W)

DIV.

OTHER 4

0

0.80

0

NEW EST. DEMAND (A)

0.00


A

NOTES:

Existing Panel:			PP-1F-33			LOCATION:			1F428 ElecRm #H3			VOLTAGE:			208/120V			MAIN BREAKER:			YES		
SUPPLIED FROM:			DP-1F-3			MOUNTING:			SURFACE			I.C. RATINGS:			225A, 3Ø, 4W			UPSTREAM SOURCE BREAKER:			200A		
												M.A. MAINS:			10KA			NOTES:					
CCT	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	LOAD (W)			NOTES	GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT							
							A	B	C														
1	EXISTING LOAD		20	1			0	0					1	20	EXISTING LOAD	2							
3	EXISTING LOAD		15	1									1	20	SPARE	4							
5	EXISTING LOAD		15	1				0	0				1	20	EXISTING LOAD	6							
7	EXISTING LOAD		15	1			0	0					1	20	EXISTING LOAD	8							
9	EXISTING LOAD		15	1				0	0				3	20	C DOOR SYSTEM - ORTHOVOLTAGE - 1F428	10							
11	EXISTING LOAD		15	1					0	0						12							
13	EXISTING LOAD		15	1			0	0					1	20	EXISTING LOAD	14							
15	EXISTING LOAD		15	1				0	0				1	20	EXISTING LOAD	16							
17	EXISTING LOAD		15	1					0	0			1	20	EXISTING LOAD	18							
19	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	20							
21	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	22							
23	EXISTING LOAD		20	1					0	0			1	15	EXISTING LOAD	24							
25	SPARE		15	1			0	0					1	15	EXISTING LOAD	26							
27	EXISTING LOAD		15	1				0	0				1	15	EXISTING LOAD	28							
29	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	30							
31	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	32							
33	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	34							
35	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	36							
37	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	38							
39	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	40							
41	EXISTING LOAD		20	1					0	0			1	20	EXISTING LOAD	42							
43	EXISTING LOAD		15	1			0	0					1	20	EXISTING LOAD	44							
45	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	46							
47	EXISTING LOAD		20	1					0	0			1	20	EXISTING LOAD	48							
49	EXISTING LOAD		20	1			0	0					1	15	EXISTING LOAD	50							
51	EXISTING LOAD		15	1				0	0				1	15	EXISTING LOAD	52							
53	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	54							
55	EXISTING LOAD		20	1			0	0					1	15	EXISTING LOAD	56							
57	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	58							
59	SPARE												1	15	EXISTING LOAD	60							
61	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	62							
63	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	64							
65	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	66							
67	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	68							
69	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	70							
71	EXISTING LOAD		15	1						0	0		1	15	EXISTING LOAD	72							
TOTAL LOAD:							0 W	0 W	0 W														
TOTAL AMP:							0.00 A	0.00 A	0.00 A														
A	LOAD TYPE	CONNECTED (W)	DIV.	DEMAND (W)		LOAD TYPE	CONNECTED (W)	DIV.	DEMAND (W)	PANEL LOAD TOTALS													
A	RECEPTACLE	0	0.80	0	E	OTHER 1	0	0.60	0	NEW CONNECTED LOAD (W)													
B	LIGHTING	0	0.80	0	F	OTHER 2	0	0.90	0	NEW EST. DEMAND (W)													
C	MOTOR	4800	0.60	2880	G	OTHER 3	0	0.80	0	NEW CONNECTED (A)													
D	HEATING	0	0.80	0	H	OTHER 4	0	0.90	0	NEW EST. DEMAND (A)													

NOTES: RE-CIRCUIT EXISTING LOAD ON CIRCUIT 10 TO CIRCUIT 66 TO MAKE SPACE FOR NEW 20A-3P BREAKER FOR DOOR SYSTEM.

Existing Panel:						PP-1F-24																							
LOCATION:						1F401 ElecRm #17						VOLTAGE: 208/120V						MAIN BREAKER:						YES					
SUPPLIED FROM:						DP-1F-2						MAINS: 225A, 3Ø, 4W						UPSTREAM SOURCE BREAKER: 200A											
MOUNTING:						SURFACE						I.C. RATING: 10KA						NOTES:											
CCT	DESCRIPTION	LOAD TYPE	TRIP	POLES	GFI	NOTES	LOAD (W)			NOTES	GFI	POLES	TRIP	LOAD TYPE	DESCRIPTION	CCT													
							A	B	C																				
1	SPACE						0	0																					
3	EXISTING LOAD		20	1					0	0			1	15	EXISTING LOAD	2													
6	EXISTING LOAD		20	1									1	15	EXISTING LOAD	4													
7	EXISTING LOAD		20	1									1	15	EXISTING LOAD	7													
9	EXISTING LOAD		20	1			0	0					1	15	EXISTING LOAD	8													
11	EXISTING LOAD		20	1					0	0			1	15	EXISTING LOAD	10													
13									0	0			1	15	EXISTING LOAD	12													
15	EXISTING LOAD						0	0					1	15	EXISTING LOAD	14													
17			15	3					0	0			1	15	EXISTING LOAD	16													
19	EXISTING LOAD						0	0					1	15	EXISTING LOAD	18													
21	EXISTING LOAD		15	1									1	15	EXISTING LOAD	20													
23	SPACE		15	1						0	0		1	15	EXISTING LOAD	22													
25	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	24													
27	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	26													
29	EXISTING LOAD		15	1						0	0		1	15	EXISTING LOAD	28													
31	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	30													
33	SPACE		15	1					0	0			1	15	EXISTING LOAD	32													
35	EXISTING LOAD		15	1						0	0		1	15	EXISTING LOAD	34													
37	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	36													
39	SPACE								0	0			1	15	EXISTING LOAD	38													
41	SPACE		15	1						0	0				SPACE	40													
43	SPACE		15	1			0	0							SPACE	42													
45	SPACE		15	1					0	0					EXISTING LOAD	44													
47	EXISTING LOAD		15	1						0	0		3	15		46													
49	EXISTING LOAD		15	1			0	0							EXISTING LOAD	48													
51	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	50													
53	EXISTING LOAD		15	1						0	0		1	15	EXISTING LOAD	52													
55	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	54													
57	EXISTING LOAD		15	1					0	0			1	15	EXISTING LOAD	56													
59	EXISTING LOAD		15	1						0	0		1	15	EXISTING LOAD	58													
61	EXISTING LOAD		15	1			0	0					1	15	EXISTING LOAD	60													
63	EXISTING LOAD		15	1					0	0					SPACE	62													
65	EXISTING LOAD		20	1						0	0				SPACE	64													
67	SPACE						0	0							SPACE	66													
69	SPACE								0	0					SPACE	68													
71	SPACE												1	20	EXISTING LOAD	70													
							TOTAL LOAD:	0 W	0 W	0 W																			
							TOTAL AMP:	0.00 A	0.00 A	0.00 A																			
LOAD TYPE		CONNECTED (W)	DIV.	DEMAND (W)	LOAD TYPE		CONNECTED (W)	DIV.	DEMAND (W)	PANEL LOAD TOTALS																			
A	RECEPTACLE	0	0.80	0	E	OTHER 1	0	0.80	0	NEW ESTIMATED LOAD (W)							0	W											
B	LIGHTING	0	0.80	0	F	OTHER 2	0	0.80	0	NEW EST. DEMAND (W)							0	W											
C	MOTOR	0	0.80	0	G	OTHER 3	0	0.80	0	NEW CONNECTED (A)							0	A											
D	HEATING	0	0.80	0	H	OTHER 4	0	0.80	0	NEW EST. DEMAND (A)							0.00	A											
NOTES:																													

<p>CLIENT:</p>  <p>Trillium Health Partners</p> <p>2200 Eglinton Avenue West Mississauga, ON, L5M 2N1 905 813 2200 thp.ca</p>	
<p>CONSULTANT:</p>  <p>CUMULUS ARCHITECTS INC.</p>	<p>160 Pears Ave. - Suite 300 Toronto, ON M5R 3P8 416-539-0763 www.cumulusarch.com</p>
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6	ISSUED FOR TENDER	2025/12/16
5	ISSUED FOR PERMIT	2025/11/21
4	MOH 2.3 RESUBMISSION	2025/06/20
3	MOH 2.3 SUBMISSION	2024/10/11
2	MOH 2.3 COSTING SUBMISSION	2024/09/13
1	MOH 2.3 COSTING SUBMISSION	2024/06/17
NO	DESCRIPTION	DATE
SHEET REVISION		

PROJECT: THP CANCER CARE EQUIPMENT 2200 Eglinton Ave W, Mississauga, ON L5M 2N1	
TITLE: ELECTRICAL PANEL SCHEDULES 4 of 4	
PROJECT NO: CA0003678.3329	DRAWING NO: E804
CHECKED: J.L.	

TYPE	CATALOG ORDER KEY	PRODUCT DESCRIPTION	CEILING TYPE	LOCATION	DIMENSION (Inch/cm)	VOLTAGE	WATTS	CRI	COLOUR TEMP	LUMENS	DRIVER	MOUNTING			ACCEPTABLE MANUFACTURER	NOTES
												RECESSED	SURFACE	PENDANT		
A1	COOPER - FLD6C-20-D010-FEU6C-1025-90-35-F6LC-M-1-AMF	6" SEALED LED DOWNLIGHT, WET LOCATION GASKETING ON TOP OF FLANGE, ANTIMICROBIAL IP65 RATED	ACT/DRYWALL	HALCYON, ORTHOVOLTAGE	6"	120	31.5	90	3500	2000	0-10V	X			COOPER	1, 2
A2	COOPER - LD4CL159035D010B26M2H	ROUND DOWNLIGHT, MEDIUM BEAM, COMFORT CLEAR FINISH, WHITE FLANGE	ACT/DRYWALL	CORRIDORS, PATIENT CHANGE ROOM	4"	120	15.5	90	3500	900	0-10V DIMMABLE	X			COOPER	1, 2
A3	COOPER - LD6C209035D010B26W1MW	RECESSED 6 INCH LED DOWNLIGHT WITH WIDE BEAM DISTRIBUTION, CAST ALUMINUM HOUSING AND EXTRUDED ALUMINUM HEAT SINK. SELF FLANGED WHITE REFLECTOR WITH WHITE TRIM. ANTI-MICROBIAL FINISH. CUL LISTED FOR DAMP LOCATION.	DRYWALL	WASHROOMS	6"	120	21.1	95	3500	2000	0-10V DIMMABLE	X			COOPER	1, 2
L1	COOPER - ORLF-12-4-INS-ASYR-LD4-3STD-35-120-ED1D2-MIL2-90 c/w DFCL-1248AMW-U	RECESSED LED 1X4 SURGICAL LUMINAIRE FLANGE. ONE PIECE ACRYLIC LENS WITH CLEAR SMOOTH LENS BELOW PRIMARY LENS. SILICONE GASKET AROUND ACRYLIC LENS. ANTI-MICROBIAL FINISH ON ALL PAINTED PARTS. SUITABLE FOR CLEAN ROOM ENVIRONMENTS AND IP65 RATED. TO MEET MIL STANDARD 461E/462/463 EMI AND RF. FILTER TO ELIMINATE RFI FROM POWER SUPPLY AND LINE FEEDBACK. ANTI-MICROBIAL FINISH.	ACT	CONTROL AREA	1'X4'	120	51	90+	4000	5538	0-10V DIMMABLE	X			COOPER	1, 2
L1H	COOPER - ORLF-12-4-INS-ASYR-LD4-2H135/1STD-G52-120-ED1D2-MIL2-90 c/w DFCL-1248AMW-U	SAME AS L1 PROVIDE PROGRAMMABLE COLOURED FEATURE														
L2	COOPER - 24FCZ2-110VHE-UNV-1935-CA125-CD2-AMW	2X4 MULTILEVEL EXAM AND AMBIENT LUMINAIRE	ACT/DRYWALL	RECOVERY HOLDING	2'X4'	120	113	90+	4000	12500/4500	0-10V DIMMABLE	X			COOPER	1, 2
L3	COOPER - 14CZ2-44-UNV-L835-CD1-U	RECESSED 1X4 LED ARCHITECTURAL LENSED TROFFER WITH SMOOTH OPAL ACRYLIC LENS. T-BAR GRID. DIE FORMED CODE GAUGE PRIME COLD ROLLED STEEL HOUSING.	ACT/DRYWALL	PHYSICS LAB WORKROOM, DOSIMETRY WORK ROOM	1'X4'	120	48	90+	3500	4350	0-10V DIMMABLE	X			COOPER	1, 2
L4	COOPER - 14GR-LD5-50-F1INV-UNV-L835-CD1-PAF-G2-U	RECESSED LED 1X4 GASKETTED TROFFER. A12.125 HPFROST INVERTED PRISMATIC ACRYLIC LENS. T-BAR GRID. CONSTRUCTED OF DIE FORMED CODE GAUGE CRS. GASKETS DOOR FRAME TO HOUSING AND LENS TO DOOR FRAME & TO GRID	ACT/DRYWALL	CLEAN SUPPLY	1'X4'	120	28	90	3500	3500	0-10V DIMMABLE	X			COOPER	1, 2
L5	COOPER - 24CZ2-45-UNV-L835-CD1-U	RECESSED 2X4 LED ARCHITECTURAL LENSED TROFFER WITH SMOOTH OPAL ACRYLIC LENS. T-BAR GRID. DIE FORMED CODE GAUGE PRIME COLD ROLLED STEEL HOUSING.	ACT	MAINTENANCE ROOM	2'X4'	120	24.5	90	3500	3500	0-10V DIMMABLE	X			COOPER	1, 2
U1, U2, U3	COOPER - HU30MSCD36P	UNDERCABINET TASK LIGHT - VARIOUS LENGHTS TO SUIT (23", 34", 46")	MILLWORK	WORKSURFACES, SINKS BELOW MILLWORK		120	9, 14, 18	90+	3500	705/1121/1416	TRIAC/ELV		X			2
W1	COOPER - SQW-F-050U/050D-935-1D-UNV-STD-W-WM-2	2' WALL MOUNTED VANITY LIGHT	WALL MOUNT	WASHROOM VANITY	2'	120	12.2	90	3500	1262	0-10V		X			2
S2	COOPER SKYLIGHT CVEN-24-4-LD2-UNV-ED1D1-###-2/24	TWO 610X1220 LED SKYLIGHT PANEL CONFIGURATION	ACT	HALCYON ROOMS	2'X4'	120		80	4000	2 x 6700	0-10V DIMMABLE	X				2
S4	COOPER SKYLIGHT CVEN-24-2-LD2-UNV-ED1D1-###-4/22	FOUR 610X610 LED SKYLIGHT PANELS CONFIGURATION	ACT	ORTHOVOLTAGE ROOM	2'X2'	120		80	4000	4 x 3400	0-10V DIMMABLE	X				2
X1	EMERGI-LITE ES SERIES ES-XX-W-1	EXTRUDED ONE PIECE ALUMINUM PICTOGRAM EXIT SIGN. UNIVERSAL MOUNTING. LEGEND ON CLEAR ACRYLIC PANEL COMES STANDARD WITH DOUBLE FACE PICTOGRAMS AND ARROWS. EVEN ILLUMINATION WHITE LED SOURCE.	DRYWALL/ACT			120							X			
X2			WALL MOUNTED			120							X			
X3			OPEN	CORRIDORS, EXITS		120	2.5							X	EMERGILITE	2

NOTES:

1. FOR DRYWALL APPLICATION , ORDER FLANGE KIT SEPARATELY

2. CONTRACTOR TO VERIFY AND PROVIDE ALL MOUNTING ACCESSORIES INCLUDING POWER CORD, CONNECTORS ETC BEFORE ORDERING THE FIXTURE.

3. PROVIDE DIMMABLE DRIVER.

4. FIXTURE TO BE SUSPENDED BELOW EXPOSED PIPING WHERE APPLICABLE.

5.REFER TO ARCHITECTURAL DETAIL DRAWING FOR EXACT SHAPE AND LENGTH TO ORDER EACH COMPONENT.

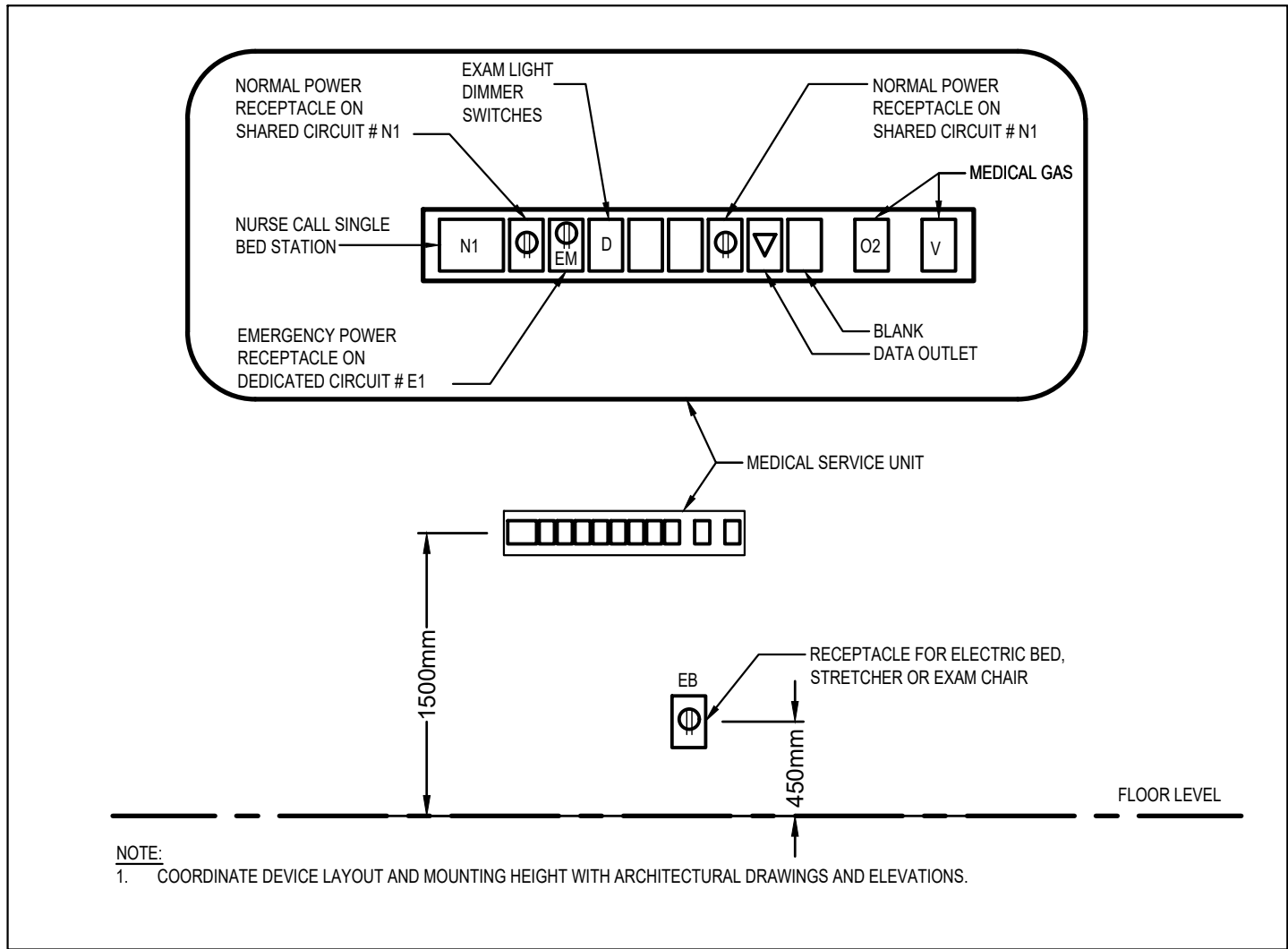
6. PROVIDE TAMPER PROOF OR VANDAL RESISTANT SCREWS AS NECESSARY.

7. PROVIDE REMOTE POWER SUPPLY WITH EMI FILTER (WRISPF) ORDERED SEPARATELY. CONNECT MAX 3 LUMINAIRES PER 120V POWER SUPPLY.

8. MODULES AND JOINERS TO BE SELECTEED AS PER ARCHITECT'S LAYOUT. PROVIDE DRIVER HOUSINGS FOR EACH 85W OF LINEAR SECTION.

9. EXACT SIZE AND FINISH COLOR TO BE COORDINATED WITH ARCHITECT BEFORE ORDERING.

10. PROVIDE DIMMABLE TRANSFORMER.



1 MEDICAL SERVICE UNIT (MSU1) ELEVATION
E900 N.T.S

Trillium Health Partners

2200 Eglinton Avenue West
Mississauga, ON, L5M 2N1
905 813 2200
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CONSULTANT:

CUMULUS ARCHITECTS INC.

160 Pears Ave. - Suite 300
Toronto, ON M5R 3P8
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SEAL:

LICENCED PROFESSIONAL ENGINEER

J. LEONG

100554999

CA0009572.9670

2026-01-13

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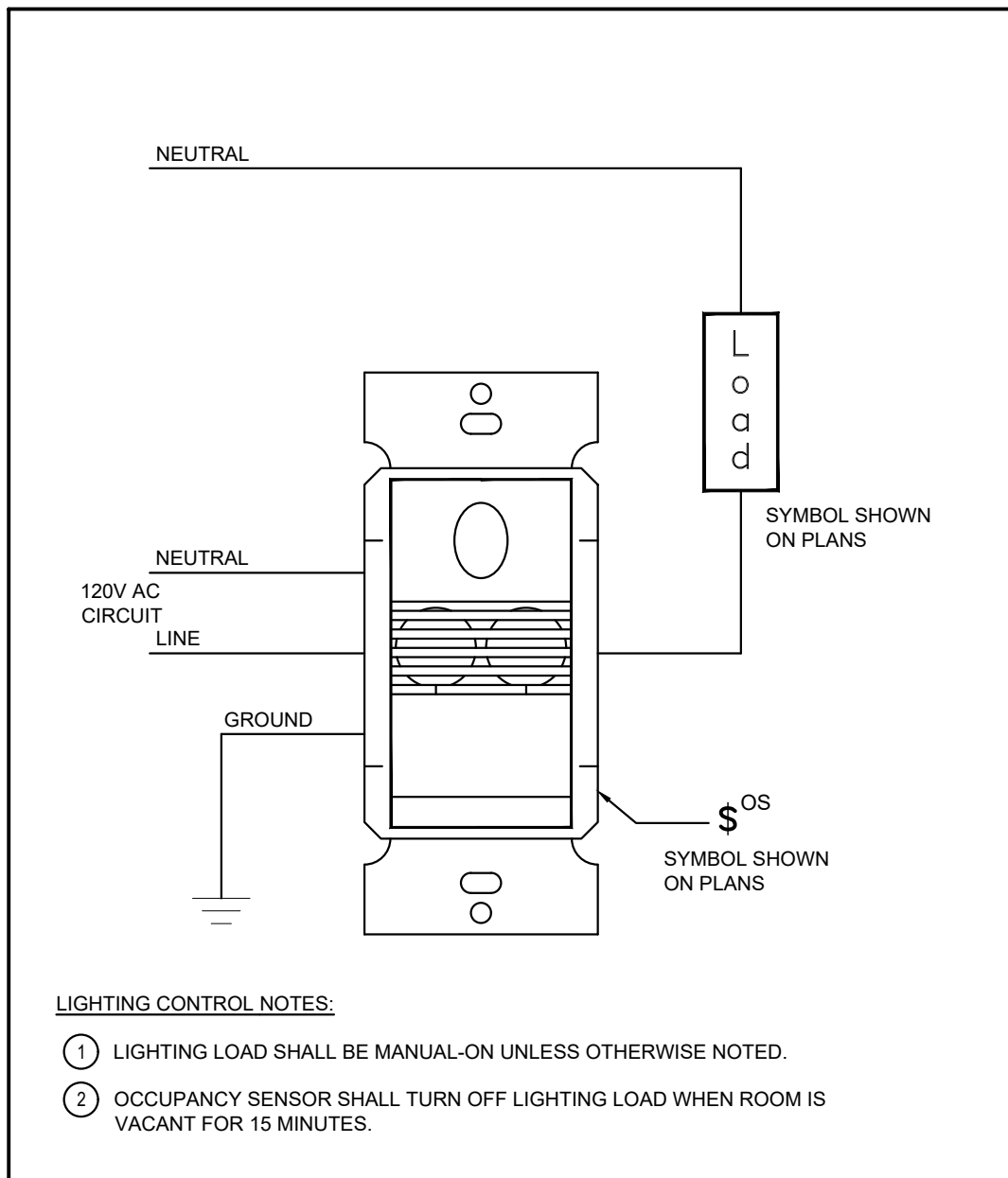
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8	ISSUED FOR TENDER 2026/12/16
7	ISSUED FOR PERMIT 2025/11/21
6	MOH 2.3 RESUBMISSION 2025/06/20
5	MOH 2.3 SUBMISSION 2024/10/11
4	MOH 2.3 COSTING SUBMISSION 2024/09/13
3	MOH 2.3 COSTING SUBMISSION 2024/06/17
2	ISSUED FOR MOH 1.3/2.1/2.2 2023/10/18
1	ISSUED FOR MOH 1.3/2.1/2.2 DRAFT 2023/09/19
NO	DESCRIPTION DATE
SHEET REVISION	
PROJECT: THP CANCER CARE EQUIPMENT 2200 Eglinton Ave W, Mississauga, ON L5M 2N1	
TITLE: LUMINAIRE SCHEDULE AND DETAILS	
PROJECT NO: CA0003678.3329	DRAWING NO:
CHECKED: J.L.	E900

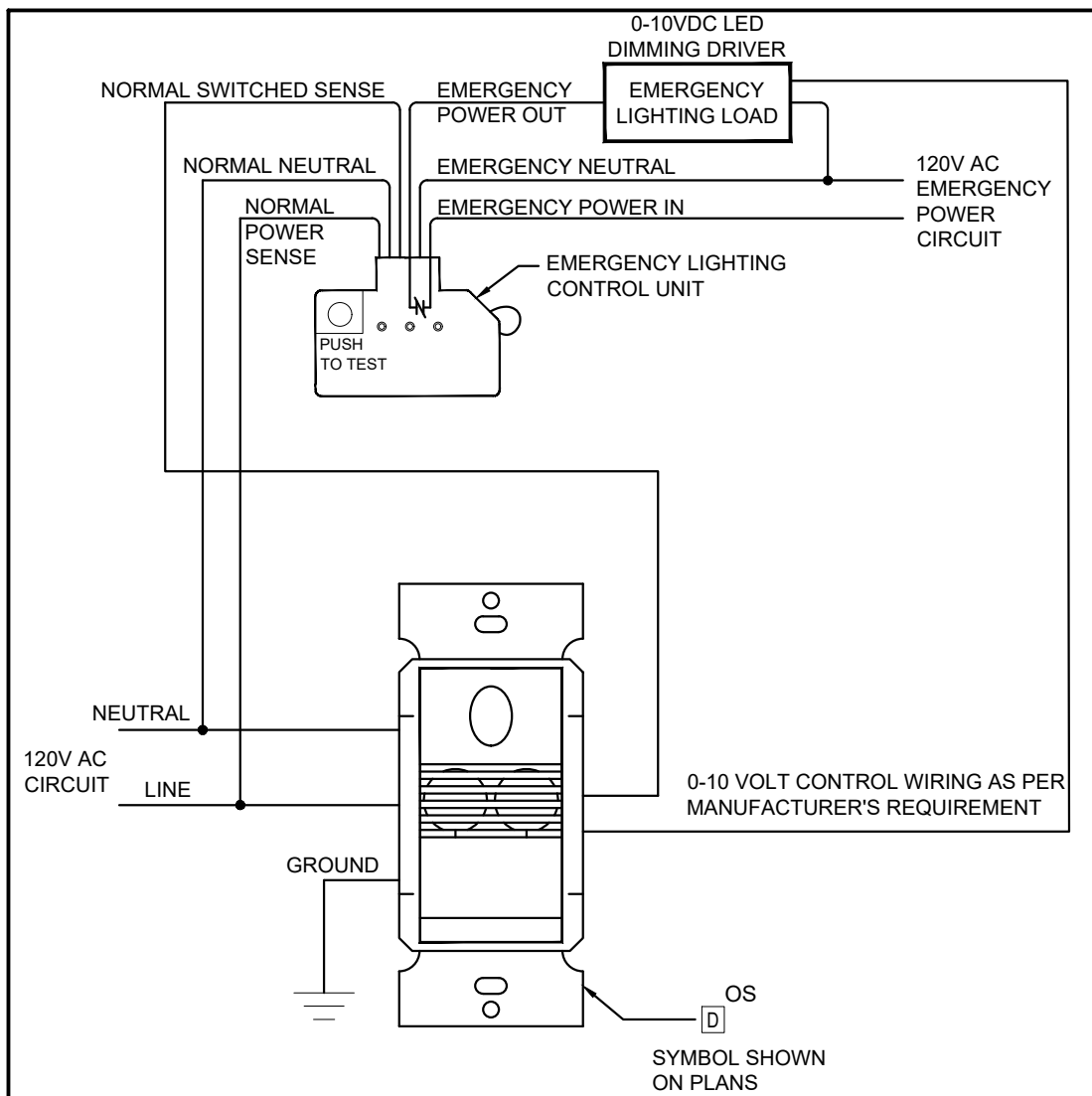
GENERAL NOTES:

A SCHEMATIC CONTROL WIRING DIAGRAMS SHOWN ON THIS DRAWING ARE DIAGRAMMATIC. CONTRACTOR TO SUPPLY AND INSTALL THE DEVICES AND WIRING/CONDUITS AS PER MANUFACTURER'S RECOMMENDATIONS.

B EXACT QUANTITY OF LIGHTING CONTROL DEVICES MAY NOT BE SHOWN ON FLOOR PLANS. WIRING DIAGRAM ON THIS DRAWING ARE SHOWN FOR CONTROL SCHEMATICS ONLY. PROVIDE ADDITIONAL ON/OFF/DIMMING ROOM CONTROLLERS, EMERGENCY LIGHTING CONTROL UNITS, POWER PACKS, OCCUPANCY SENSORS, ON/OFF SWITCHES, DIMMER SWITCHES, MULTI-BUTTON SCENE SWITCHES/DIMMERS, OTHER DEVICES AND ACCESSORIES AS REQUIRED TO ACCOMMODATE FUNCTIONS OF ALL LIGHTING ZONES.

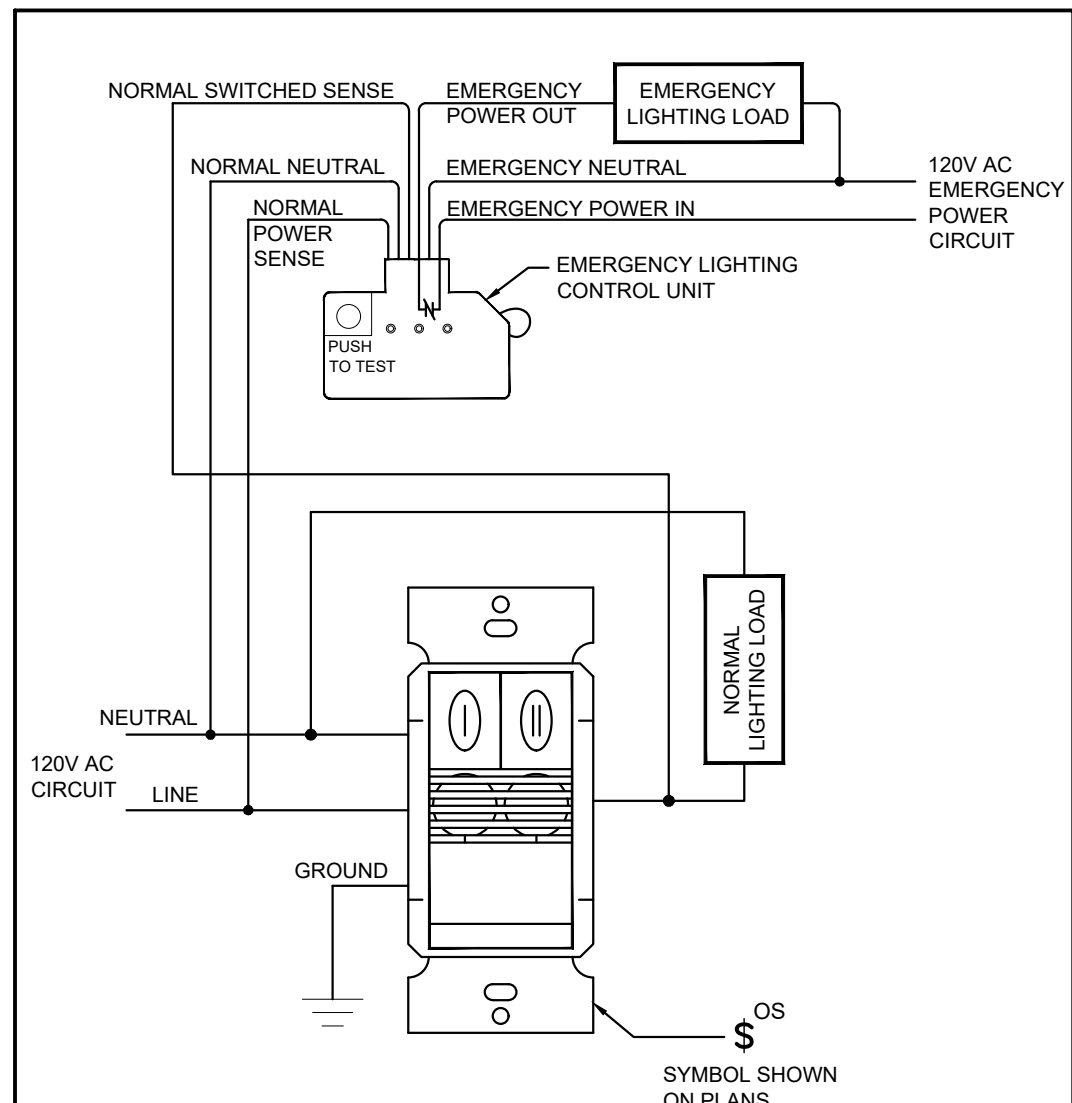


1 LIGHTING CONTROL SCHEMATIC DIAGRAM #1
SCALE: N.T.S.



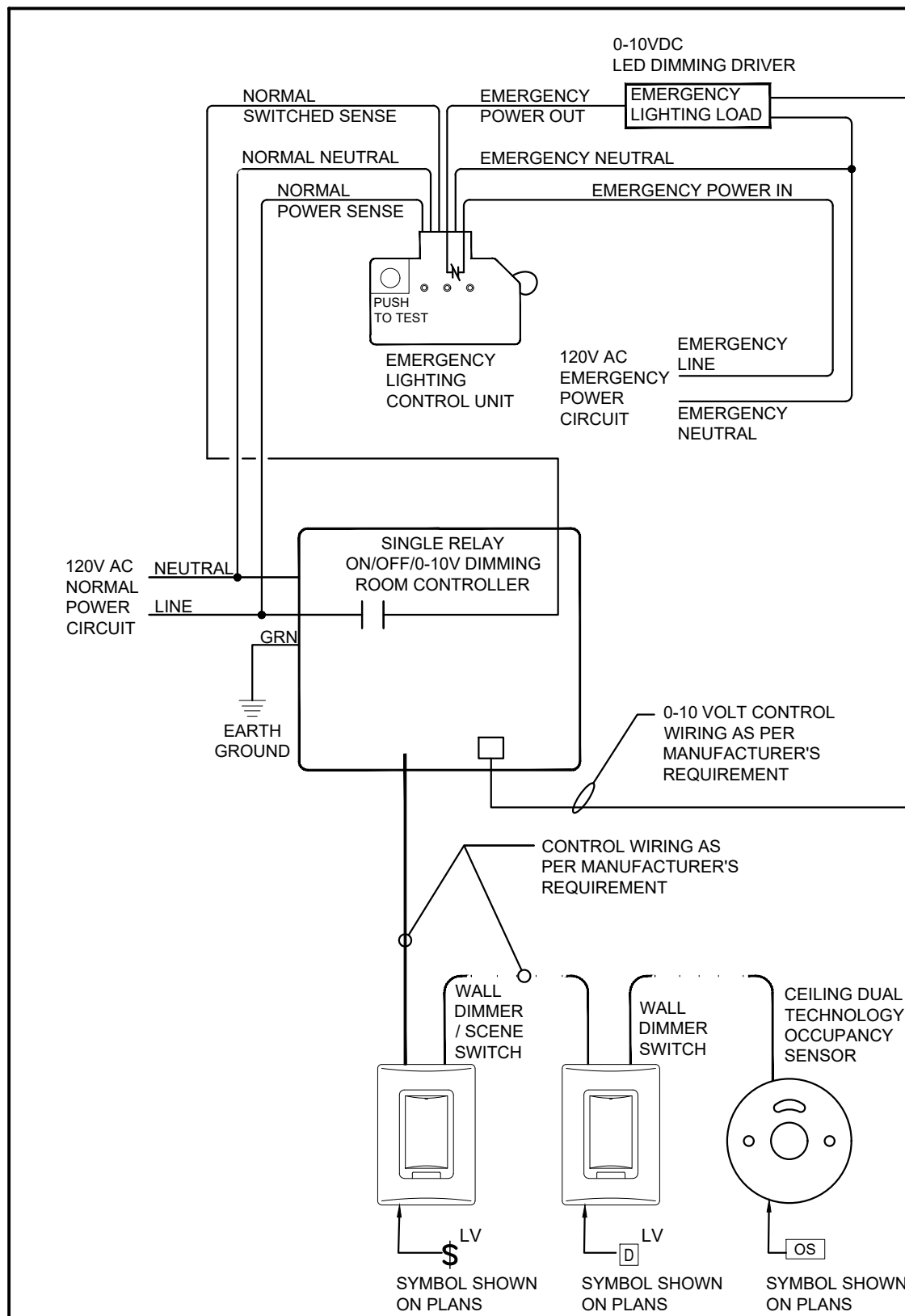
- LIGHTING CONTROL NOTES:**
- THE SWITCH SHALL BE COMPLETED WITH TWO BUTTONS / RELAYS AND OCCUPANCY SENSOR. LIGHTING LEVEL SHALL BE ABLE TO BE INCREASED OR DECREASED VIA UP/DOWN BUTTONS.
 - LIGHTING LOAD SHALL BE MANUAL-ON UNLESS OTHERWISE NOTED.
 - NO MORE THAN 50% OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON IF MANUAL "ON" OPERATION OF THE GENERAL LIGHTING WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - OCCUPANCY SENSOR SHALL TURN OFF LIGHTING LOADS WHEN ROOM IS VACANT FOR 15 MINUTES.
 - ALL EMERGENCY LIGHTING SHALL BE TURNED TO FULL BRIGHTNESS IN EVENT OF LOSS OF POWER.
 - EMERGENCY LIGHTING CONTROL UNITS AND OTHER ACCESSORIES MAY NOT BE SHOWN ON FLOOR PLANS. PROVIDE THEM AS REQUIRED.

2 LIGHTING CONTROL SCHEMATIC DIAGRAM #2
SCALE: N.T.S.



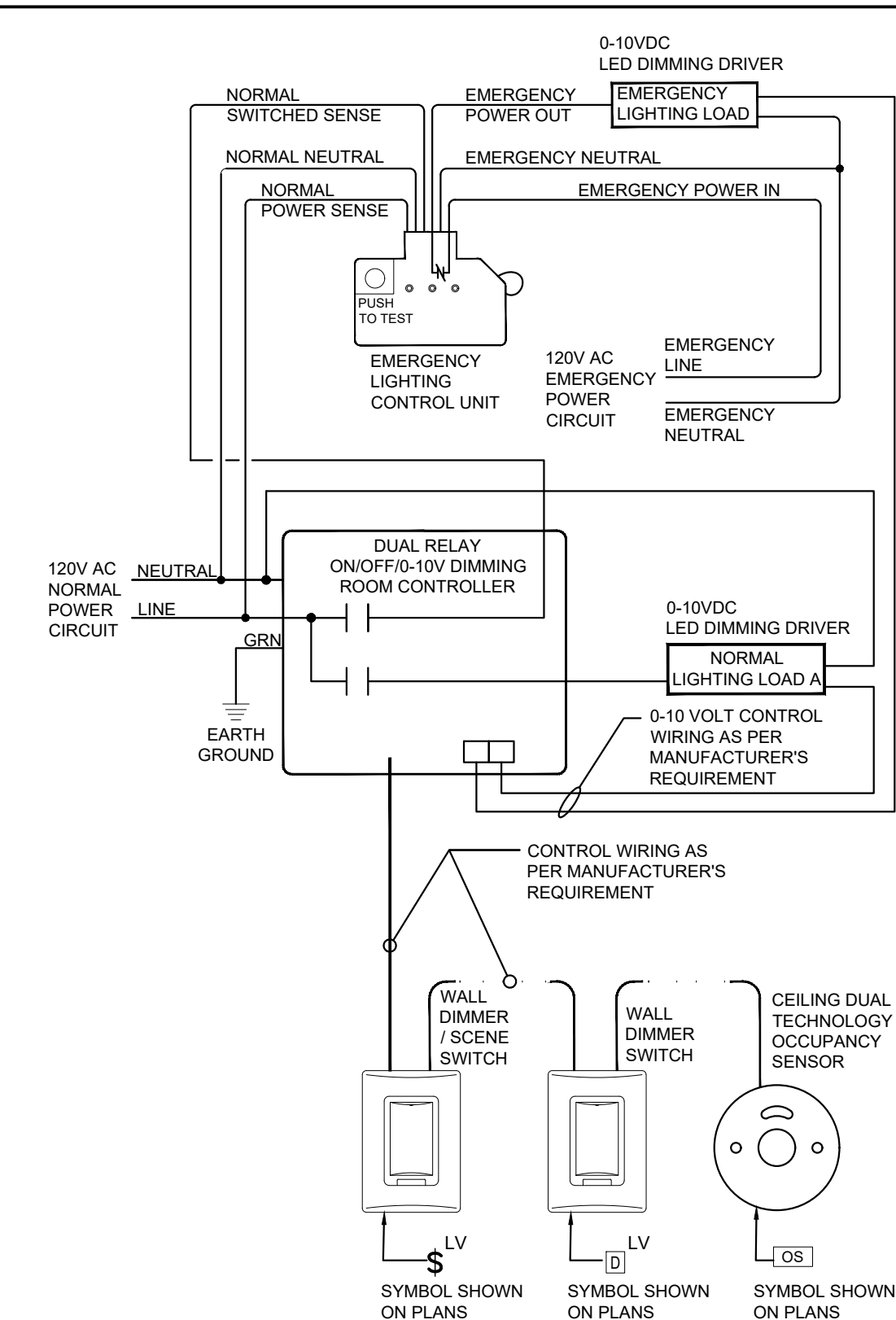
- LIGHTING CONTROL NOTES:**
- THE SWITCH SHALL BE COMPLETED WITH TWO BUTTONS AND OCCUPANCY SENSOR.
 - LIGHTING LOAD SHALL BE MANUAL-ON UNLESS OTHERWISE NOTED.
 - NO MORE THAN 50% OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON IF MANUAL "ON" OPERATION OF THE GENERAL LIGHTING WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - OCCUPANCY SENSOR SHALL TURN OFF BOTH NORMAL AND EMERGENCY LIGHTING LOADS WHEN ROOM IS VACANT FOR 15 MINUTES.
 - ALL EMERGENCY LIGHTING SHALL BE TURNED TO FULL BRIGHTNESS IN EVENT OF LOSS OF POWER.
 - EMERGENCY LIGHTING CONTROL UNITS AND OTHER ACCESSORIES MAY NOT BE SHOWN ON FLOOR PLANS. PROVIDE THEM AS REQUIRED.

3 LIGHTING CONTROL SCHEMATIC DIAGRAM #3
SCALE: N.T.S.



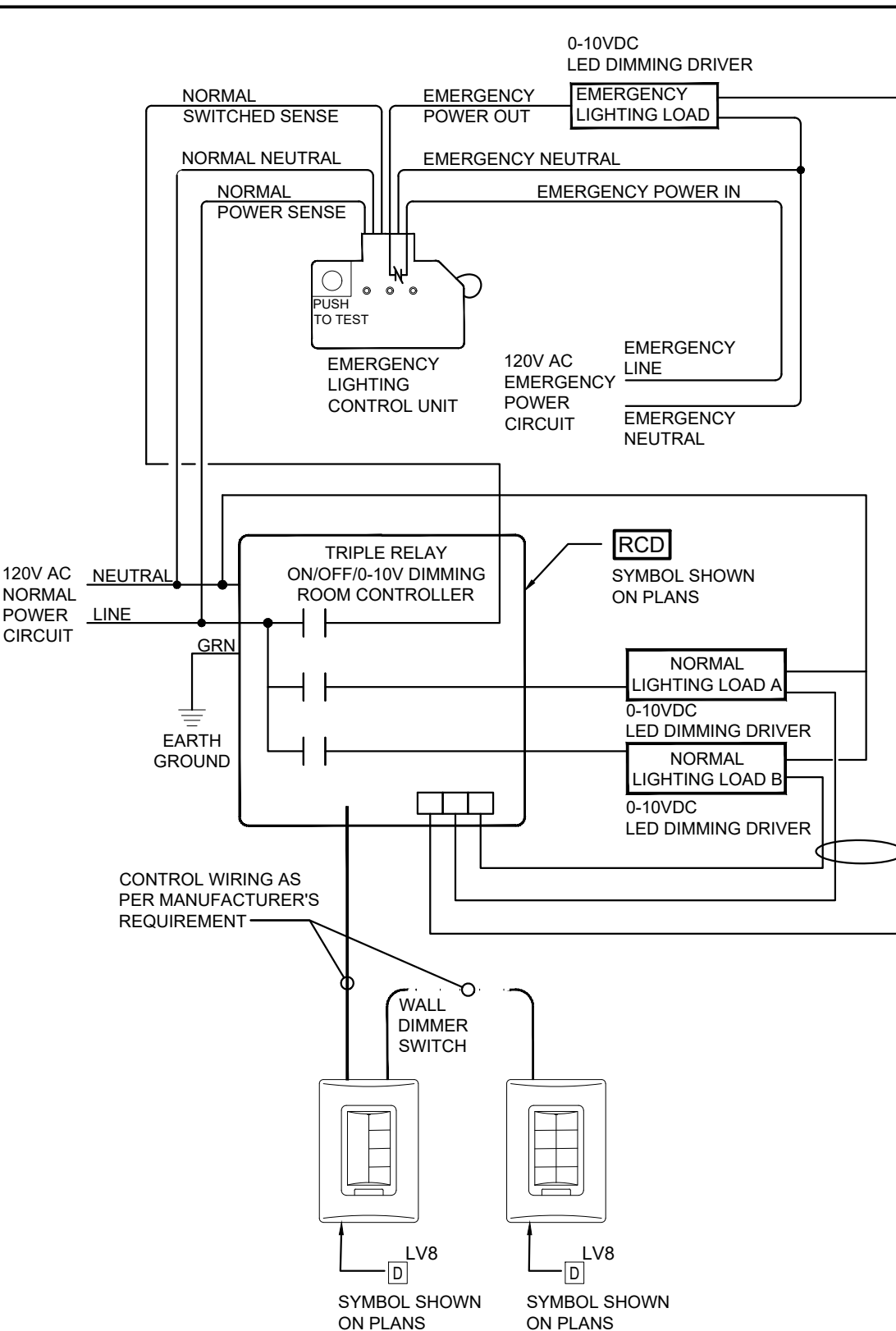
- LIGHTING CONTROL NOTES:**
- NONE OF LIGHTING SHALL BE AUTOMATICALLY TURNED ON UNLESS OTHERWISE NOTED.
 - NO MORE THAN 50% OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON IF MANUAL "ON" OPERATION OF THE GENERAL LIGHTING WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - OCCUPANCY SENSOR (IF EQUIPPED) SHALL TURN OFF BOTH NORMAL AND EMERGENCY LIGHTING LOADS WHEN ROOM IS VACANT FOR 15 MINUTES.
 - WHEN MULTIPLE OCCUPANCY SENSORS ARE CONNECTED, EACH OCCUPANCY SENSORS SHALL BE ABLE TO TURN ON/OFF ALL LOADS OR SELECTED LOADS AS DESCRIBED ABOVE. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - WALL DIMMER SWITCH SHALL BE ABLE TO DIM ALL LIGHTING LOADS CONNECTED TO THE ROOM CONTROLLER. WHEN MULTIPLE SWITCHES ARE CONNECTED, EACH DIMMER SWITCH SHALL BE ABLE TO CONTROL / DIM ALL LOADS OR SELECTED LOADS. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - 5-BUTTON SCENE SWITCH IF SHOWN, SHALL BE ABLE TO CONTROL ALL LIGHTING ZONES AT SAME TIME. PRESET SCENES 1 TO 4 AT 100%, 75%, 50% AND 25%.
 - UPON NORMAL POWER FAILURE, THE EMERGENCY LIGHTS SHALL BE TURNED ON (100%) AUTOMATICALLY.
 - ROOM CONTROLLERS, EMERGENCY LIGHTING CONTROL UNITS AND OTHER ACCESSORIES MAY NOT BE SHOWN ON FLOOR PLANS. PROVIDE THEM AS REQUIRED.

4 LIGHTING CONTROL SCHEMATIC DIAGRAM #4
SCALE: N.T.S.



5 LIGHTING CONTROL SCHEMATIC DIAGRAM #5
SCALE: N.T.S.

- LIGHTING CONTROL NOTES:**
- NONE OF LIGHTING SHALL BE AUTOMATICALLY TURNED ON UNLESS OTHERWISE NOTED.
 - NO MORE THAN 50% OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON IF MANUAL "ON" OPERATION OF THE GENERAL LIGHTING WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - OCCUPANCY SENSOR (IF EQUIPPED) SHALL TURN OFF BOTH NORMAL AND EMERGENCY LIGHTING LOADS WHEN ROOM IS VACANT FOR 15 MINUTES.
 - WHEN MULTIPLE OCCUPANCY SENSORS ARE CONNECTED, EACH OCCUPANCY SENSORS SHALL BE ABLE TO TURN ON/OFF ALL LOADS OR SELECTED LOADS AS DESCRIBED ABOVE. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - WALL DIMMER SWITCH SHALL BE ABLE TO DIM ALL LIGHTING LOADS CONNECTED TO THE ROOM CONTROLLER. WHEN MULTIPLE SWITCHES ARE CONNECTED, EACH DIMMER SWITCH SHALL BE ABLE TO CONTROL / DIM ALL LOADS OR SELECTED LOADS. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - 5-BUTTON SCENE SWITCH IF SHOWN, SHALL BE ABLE TO CONTROL ALL LIGHTING ZONES AT SAME TIME. PRESET SCENES 1 TO 4 AT 100%, 75%, 50% AND 25%.
 - UPON NORMAL POWER FAILURE, THE EMERGENCY LIGHTS SHALL BE TURNED ON (100%) AUTOMATICALLY.
 - ROOM CONTROLLERS, EMERGENCY LIGHTING CONTROL UNITS AND OTHER ACCESSORIES MAY NOT BE SHOWN ON FLOOR PLANS. PROVIDE THEM AS REQUIRED.



6 LIGHTING CONTROL WIRING DIAGRAM #8
SCALE: N.T.S.

- LIGHTING CONTROL NOTES:**
- NONE OF LIGHTING SHALL BE AUTOMATICALLY TURNED ON UNLESS OTHERWISE NOTED.
 - NO MORE THAN 50% OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON IF MANUAL "ON" OPERATION OF THE GENERAL LIGHTING WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS. CONFIRM WITH THE OWNER PRIOR TO INSTALLATION/PROGRAMMING.
 - 8-BUTTON WALL DIMMER SWITCH SHALL BE ABLE TO CONTROL THREE (3) LIGHTING ZONES PLUS WHOLE ROOM LIGHTING ZONE. TWO BUTTONS FOR EACH ZONE. ONE BUTTON TO RAISE THE LIGHTING LEVEL CONTINUOUSLY, THE OTHER BUTTON TO LOWER THE LIGHTING LEVEL CONTINUOUSLY.
 - UPON NORMAL POWER FAILURE, THE EMERGENCY LIGHTS SHALL BE TURNED ON (100%) AUTOMATICALLY.
 - REFER TO FLOOR PLANS FOR QUANTITY OF WALL SWITCHES. FLOOR PLAN SHALL GOVERN.
 - ROOM CONTROLLERS, EMERGENCY LIGHTING CONTROL UNITS AND OTHER ACCESSORIES MAY NOT BE SHOWN ON FLOOR PLANS. PROVIDE THEM AS REQUIRED.

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CONSULTANT:

CUMULUS ARCHITECTS INC.
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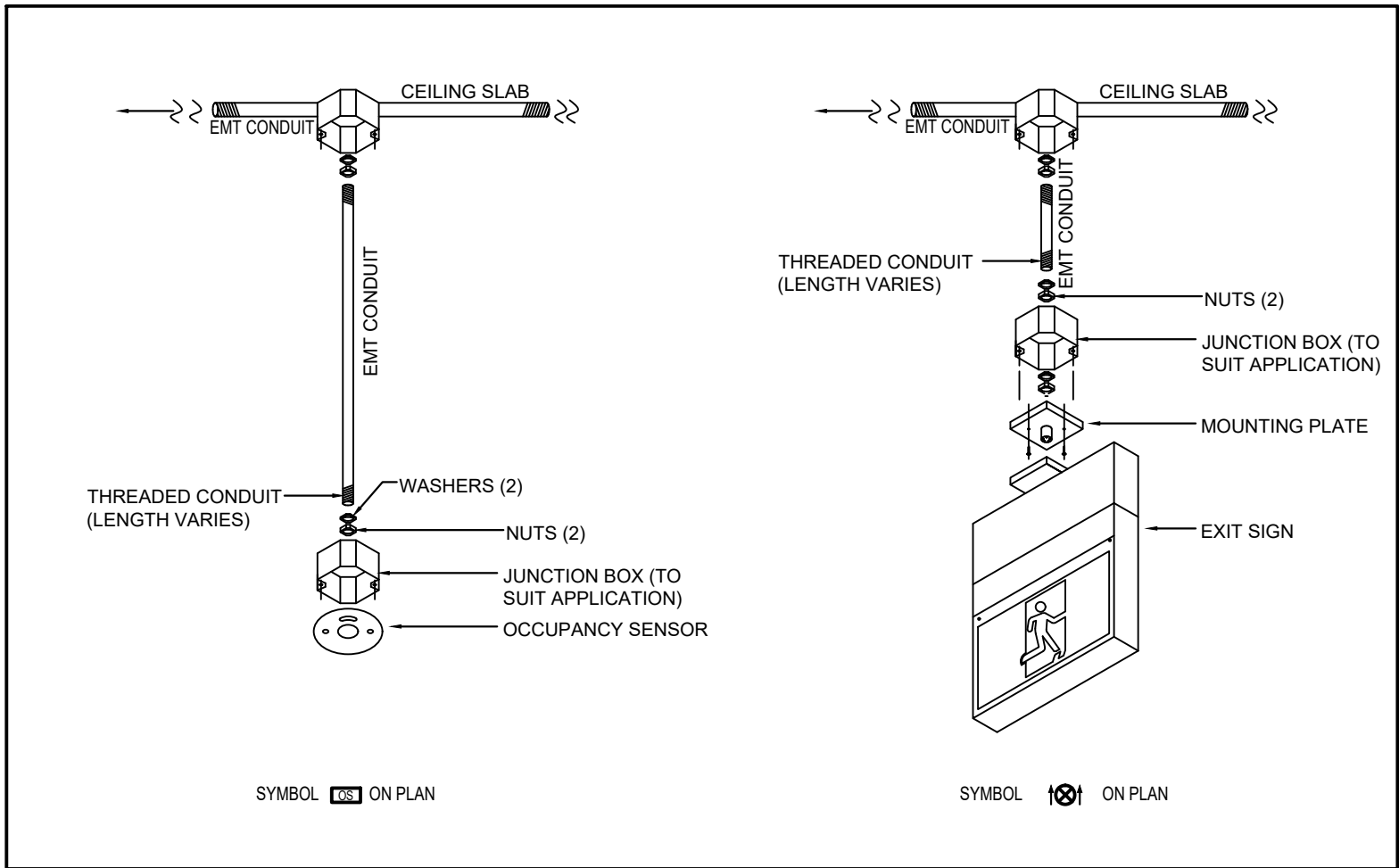
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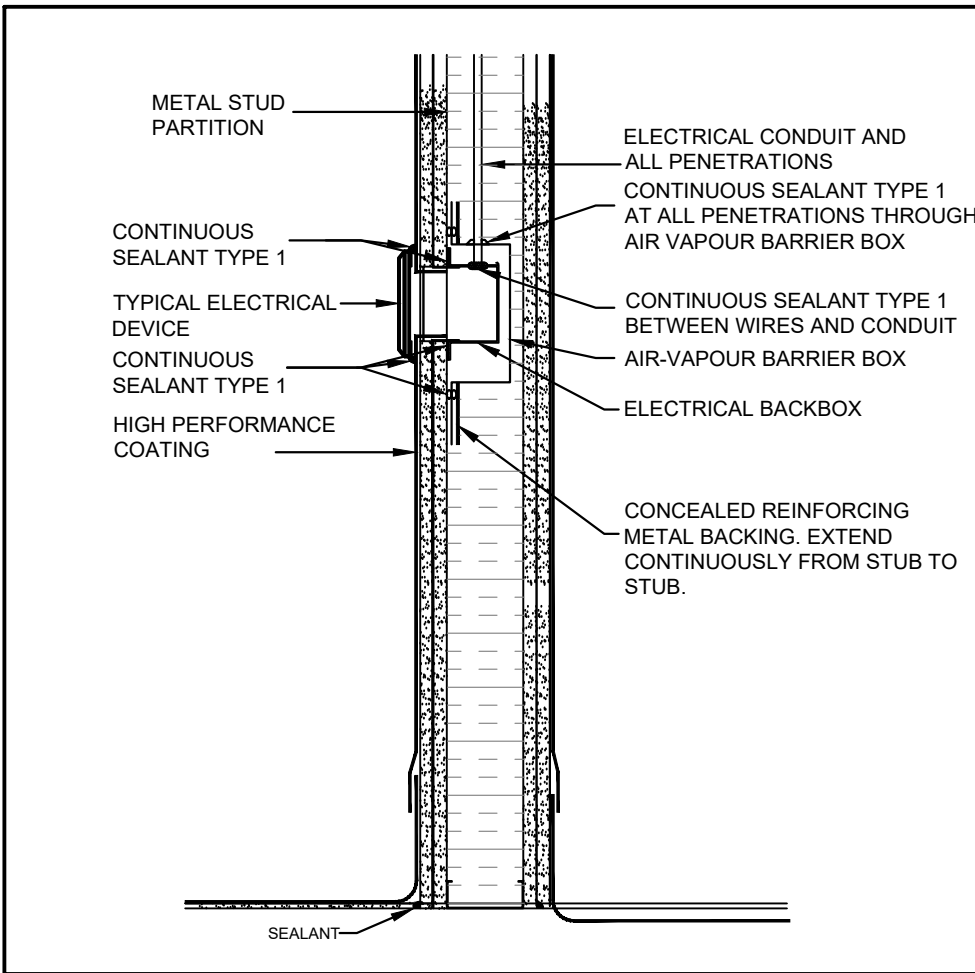
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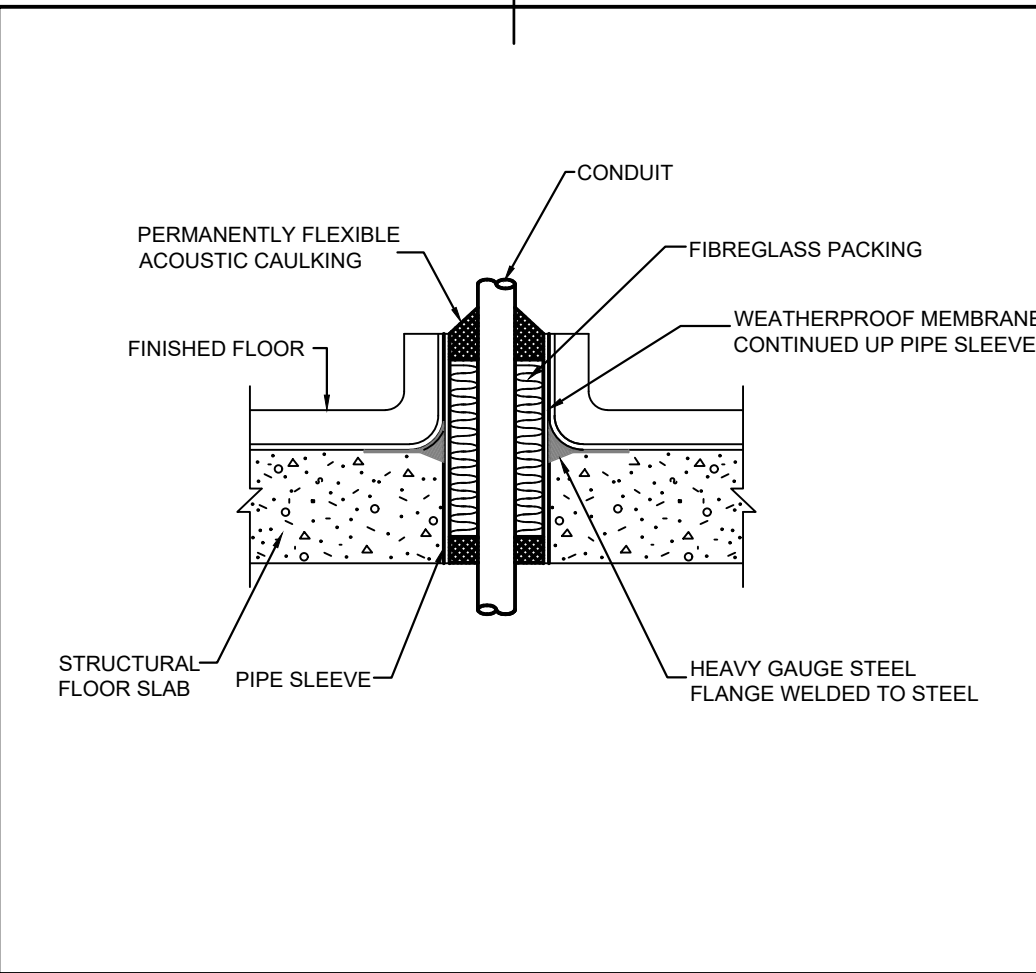
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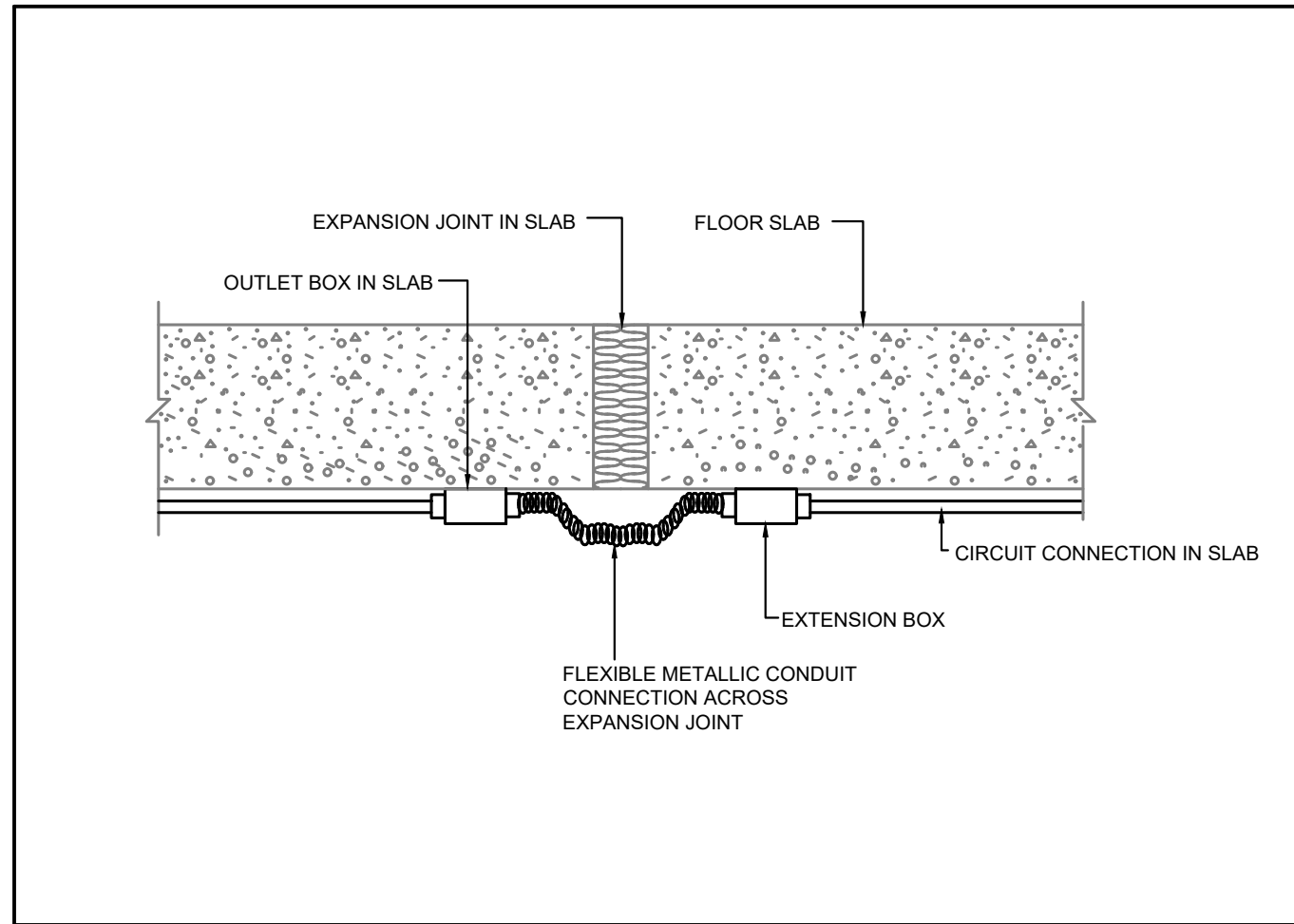
1 MOUNTING DETAIL FOR ELECTRICAL DEVICES
SCALE: NTS



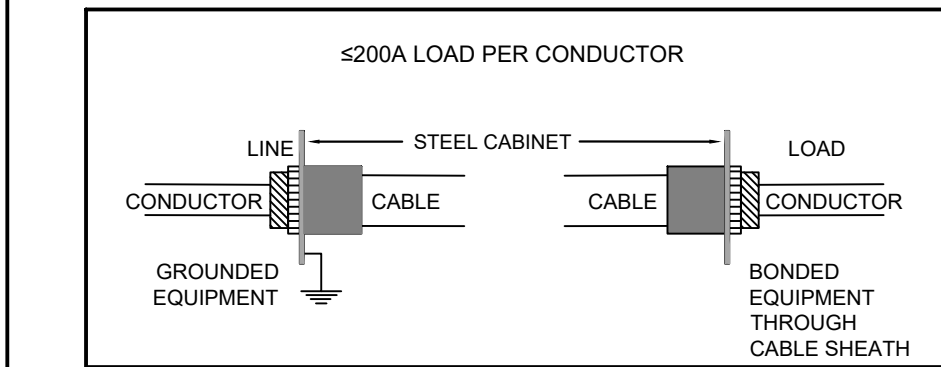
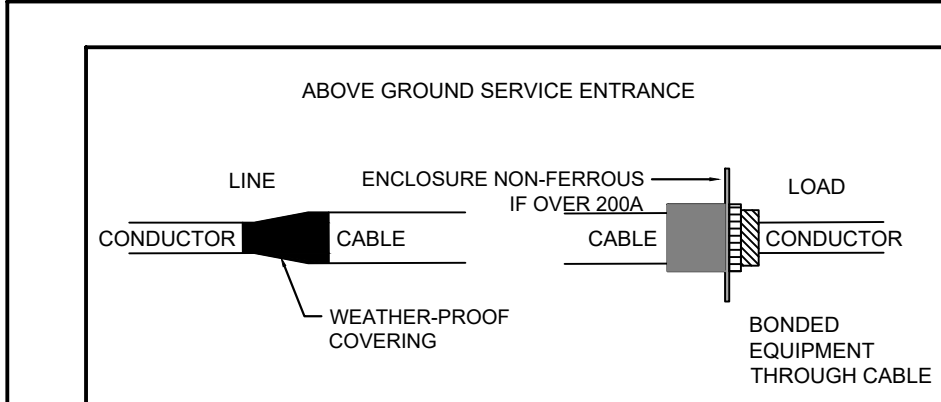
2 SEALED ELECTRICAL DEVICE MOUNTING DETAIL
SCALE: NTS



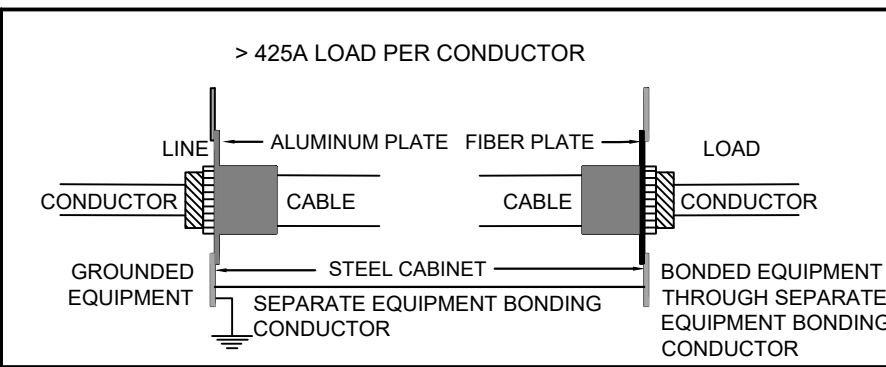
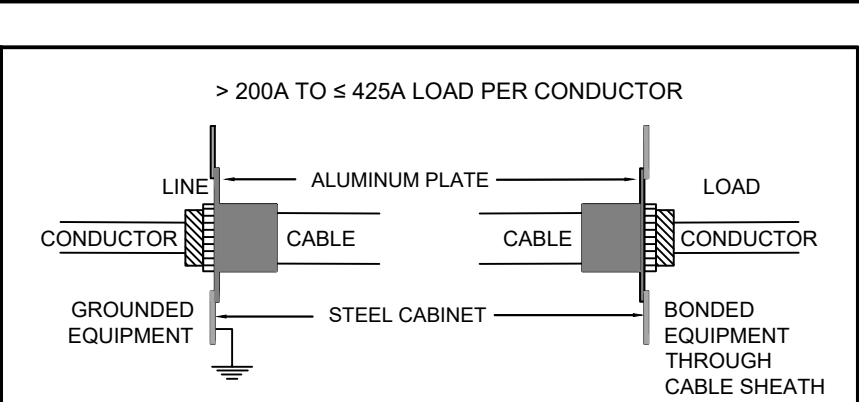
3 WATERPROOF CONDUIT SLEEVE THROUGH FLOOR
SCALE: NTS



4 SURFACE MOUNTED ON SLAB AT BUILDING EXPANSION JOINT
SCALE: NTS

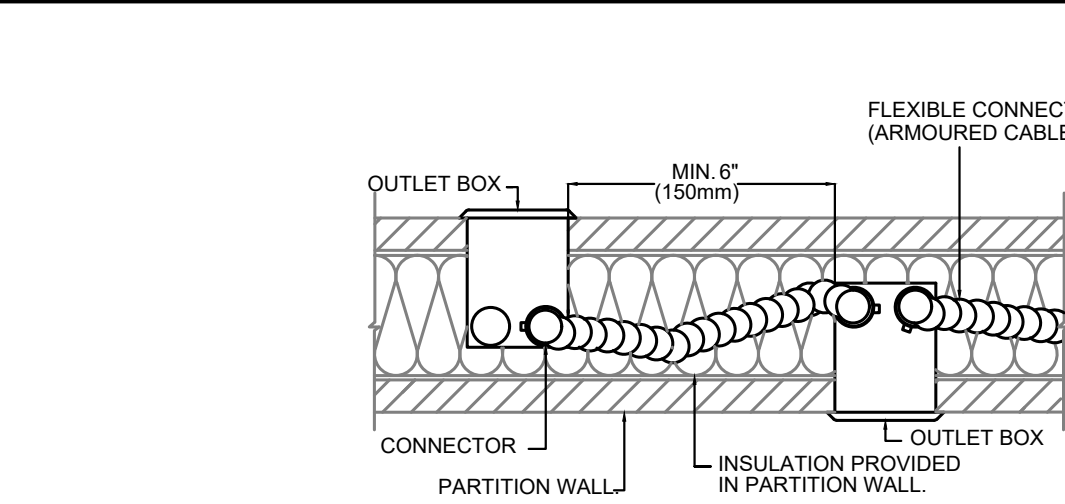


5 ALUMINUM SHEATHED CABLE INSTALLATIONS
SCALE: NTS



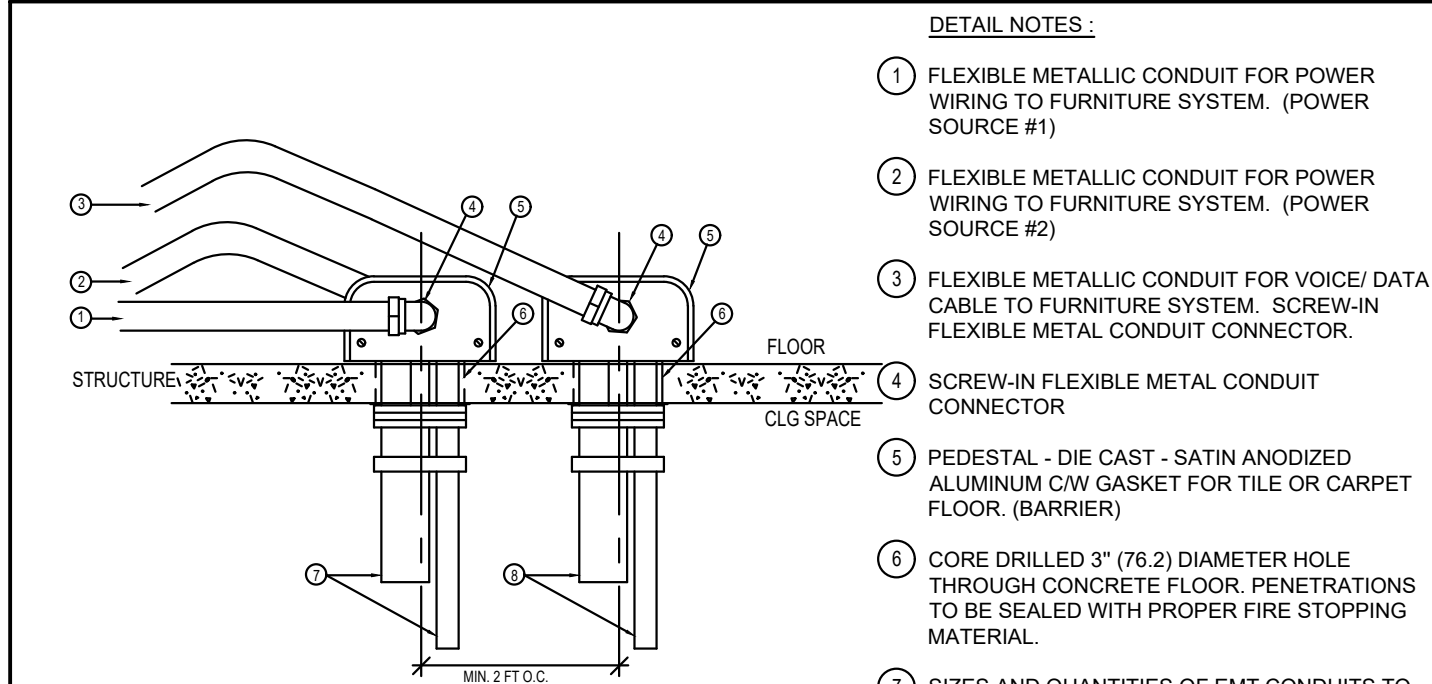
GENERAL NOTES:

- ALL ALUMINUM SHEATHED CABLE SHALL BE INSTALLED IN A MANNER THAT PREVENTS THE FLOW OF SHEATH CURRENTS.
- CONDUCTORS CARRYING UP TO AND INCLUDING 425A, SHEATH CURRENTS REDUCED BY SPACING CABLES APPROXIMATELY A DIAMETER APART TO MINIMIZE EFFECTS OF MUTUAL HEATING WHILE REDUCING INDUCED SHEATH VOLTAGE BY VIRTUE OF FIELD CANCELLATION EFFECT AT CLOSE SPACING. FOR CONDUCTORS CARRYING GREATER THAN 425A, IT IS GENERALLY NECESSARY TO DERATE THE CABLES AMPACITY TO AVOID OVERHEATING OF THE CABLE IF SHEATH CURRENTS ARE NOT TO BE ELIMINATED (IE. THROUGH THE USE OF A NON-METALLIC PLATE).
- SINGLE-CONDUCTOR ARMORED CABLE SHALL HAVE A NON-MAGNETIC ARMOUR.
- SINGLE-CONDUCTOR CABLE CARRYING MORE THAN 200A SHALL NOT BE ENCIRCLED BY MAGNETIC MATERIAL.
- GREATER THAN 200A PER CONDUCTOR, USE NON-FERROUS METAL PLATES.
- FIELD INSTALLED NON-FERROUS METAL PLATES OR INSULATING PLATES SHALL BE AT LEAST 6MM THICK.



- NOTES
- THE ABOVE DETAIL INDICATES TOP ENTRY INTO THE OUTLET BOXES SIDE OR REAR ENTRY WILL BE ACCEPTABLE.
 - ALL WORK AROUND BOXES, CONDUIT ENTRY INTO BOXES, ETC. SHALL BE CAULKED WITH PERMANENTLY FLEXIBLE COMPOUND AND INSTALLED IN ACCORDANCE WITH STC COEFFICIENT OF WALLS OR PARTITIONS.

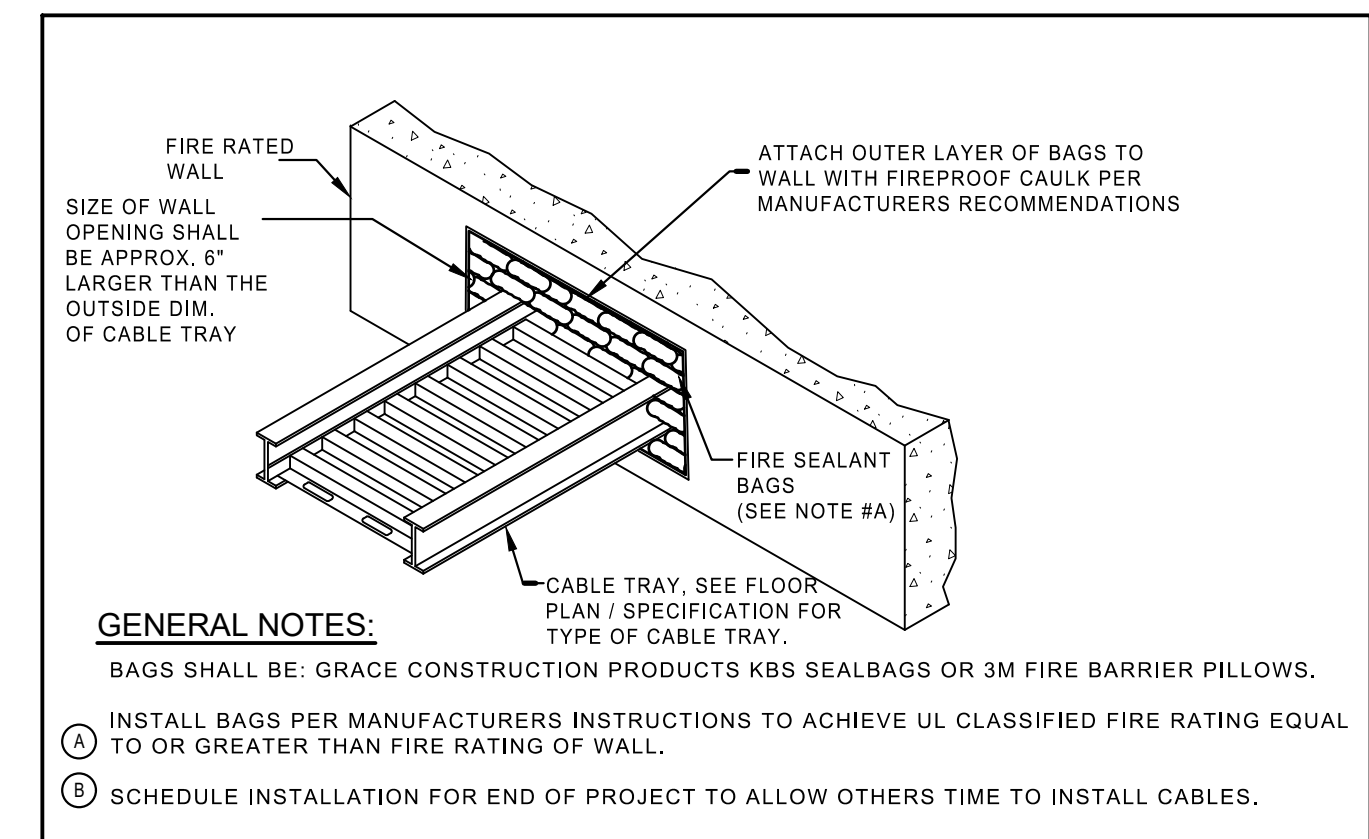
6 TYPICAL MOUNTING DETAILS OF BACK TO BACK OUTLETS
SCALE: NTS



DETAIL NOTES:

- FLEXIBLE METALLIC CONDUIT FOR POWER WIRING TO FURNITURE SYSTEM. (POWER SOURCE #1)
- FLEXIBLE METALLIC CONDUIT FOR POWER WIRING TO FURNITURE SYSTEM. (POWER SOURCE #2)
- FLEXIBLE METALLIC CONDUIT FOR VOICE/ DATA CABLE TO FURNITURE SYSTEM. SCREW-IN FLEXIBLE METAL CONDUIT CONNECTOR.
- SCREW-IN FLEXIBLE METAL CONDUIT CONNECTOR
- PEDESTAL - DIE CAST - SATIN ANODIZED ALUMINUM OVI GASKET FOR TILE OR CARPET FLOOR. (BARRIER)
- CORE DRILLED 3" (76.2) DIAMETER HOLE THROUGH CONCRETE FLOOR. PENETRATIONS TO BE SEALED WITH PROPER FIRE STOPPING MATERIAL.
- SIZES AND QUANTITIES OF EMT CONDUITS TO SUIT NUMBER AND TYPE OF POWER CABLES AS REQUIRED.
- SIZES AND QUANTITIES OF EMT CONDUITS TO SUIT NUMBER AND TYPE OF LOW TENSION SYSTEM CABLING AS REQUIRED.

7 FLOOR FEED TO FURNITURE SYSTEM WITH FIRE RATED POKE-THROUGH
SCALE: NTS



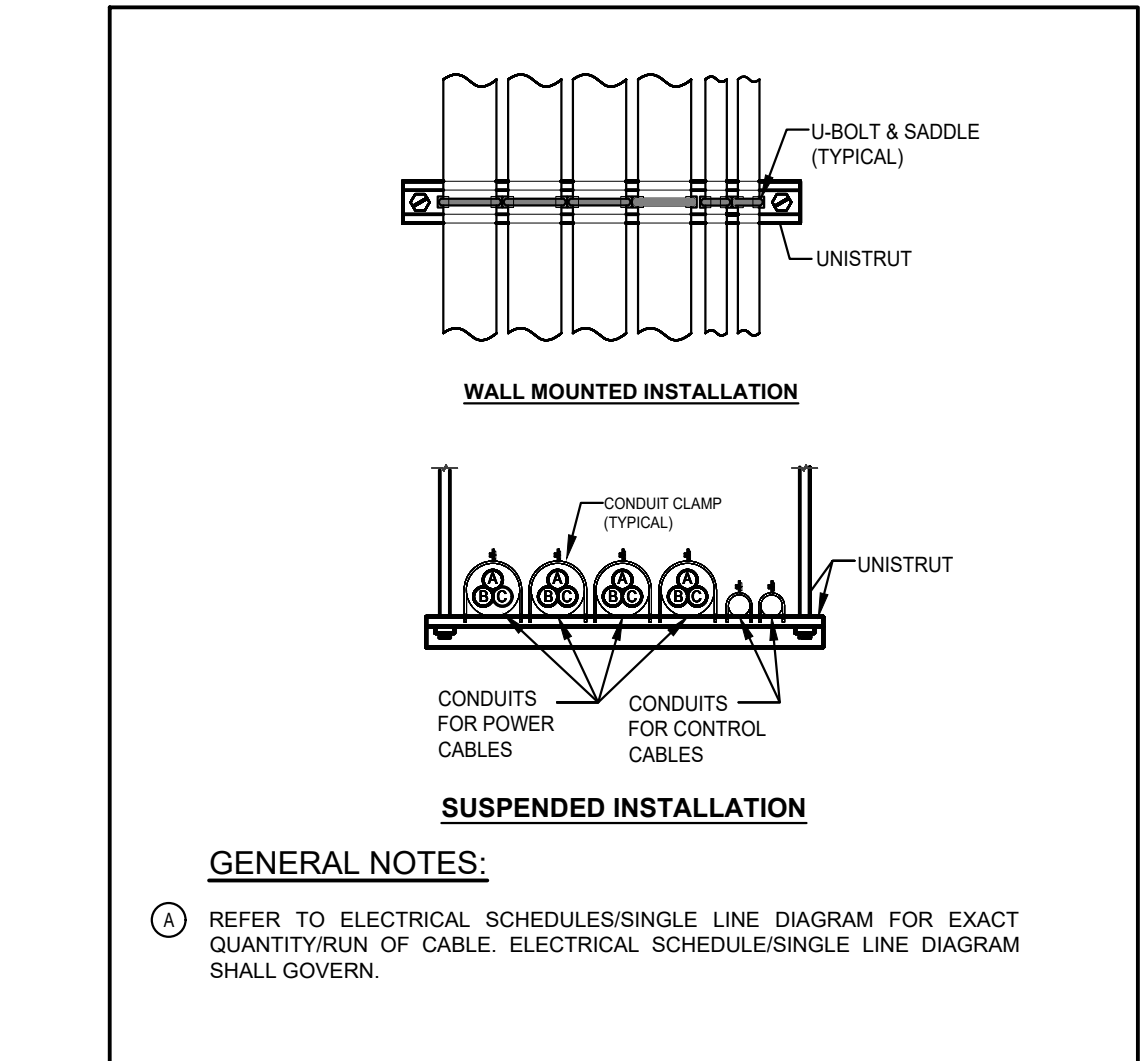
GENERAL NOTES:

- BAGS SHALL BE: GRACE CONSTRUCTION PRODUCTS KBS SEALBAGS OR 3M FIRE BARRIER PILLOWS.
- INSTALL BAGS PER MANUFACTURERS INSTRUCTIONS TO ACHIEVE UL CLASSIFIED FIRE RATING EQUAL TO OR GREATER THAN FIRE RATING OF WALL.
 - SCHEDULE INSTALLATION FOR END OF PROJECT TO ALLOW OTHERS TIME TO INSTALL CABLES.

8 CABLE TRAY PENETRATION THROUGH FIRE RATED WALL
SCALE: NTS

		LENGTH OF WIRE RUN (IN FEET)																		
WIRE SIZE	VOLT	13	18	25	30	35	50	60	75	100	150	200	250	300	400					
		6	12	10	8	41	30	21	18	15	11	9	8	6	4	-	-	-	-	-
		65	47	32	28	24	17	14	11	9	6	-	-	-	-	-	-	-	-	-
		110	75	54	45	39	27	22	18	14	9	7	-	-	-	-	-	-	-	-
12	12	165	110	85	71	61	42	35	29	21	14	10	8	-	-	-	-	-	-	-
		260	190	136	112	97	68	52	45	34	23	17	14	11	-	-	-	-	-	-
		415	300	215	180	154	108	90	72	54	36	27	21	18	-	-	-	-	-	-
24	12	660	440	340	284	244	168	140	116	84	56	40	32	26	21	-	-	-	-	-
		1040	760	544	448	388	272	208	180	136	92	68	52	44	34	-	-	-	-	-
		1668	1200	860	720	616	432	360	288	216	144	108	84	72	54	-	-	-	-	-

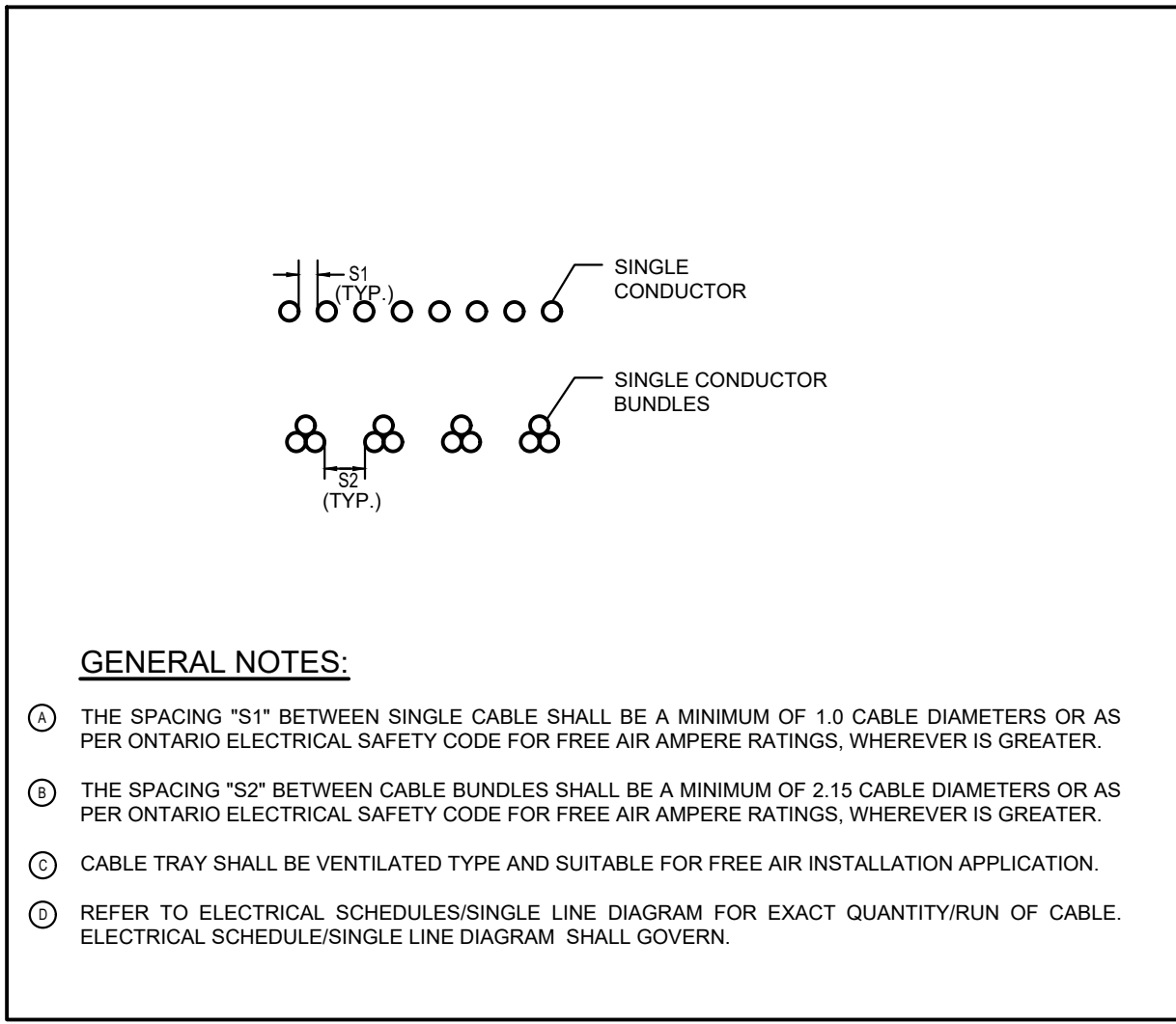
9 EMERGENCY LIGHTING WIRING VOLTAGE DROP REQUIREMENTS
SCALE: NTS



GENERAL NOTES:

- REFER TO ELECTRICAL SCHEDULES/SINGLE LINE DIAGRAM FOR EXACT QUANTITY/RUN OF CABLE. ELECTRICAL SCHEDULE/SINGLE LINE DIAGRAM SHALL GOVERN.

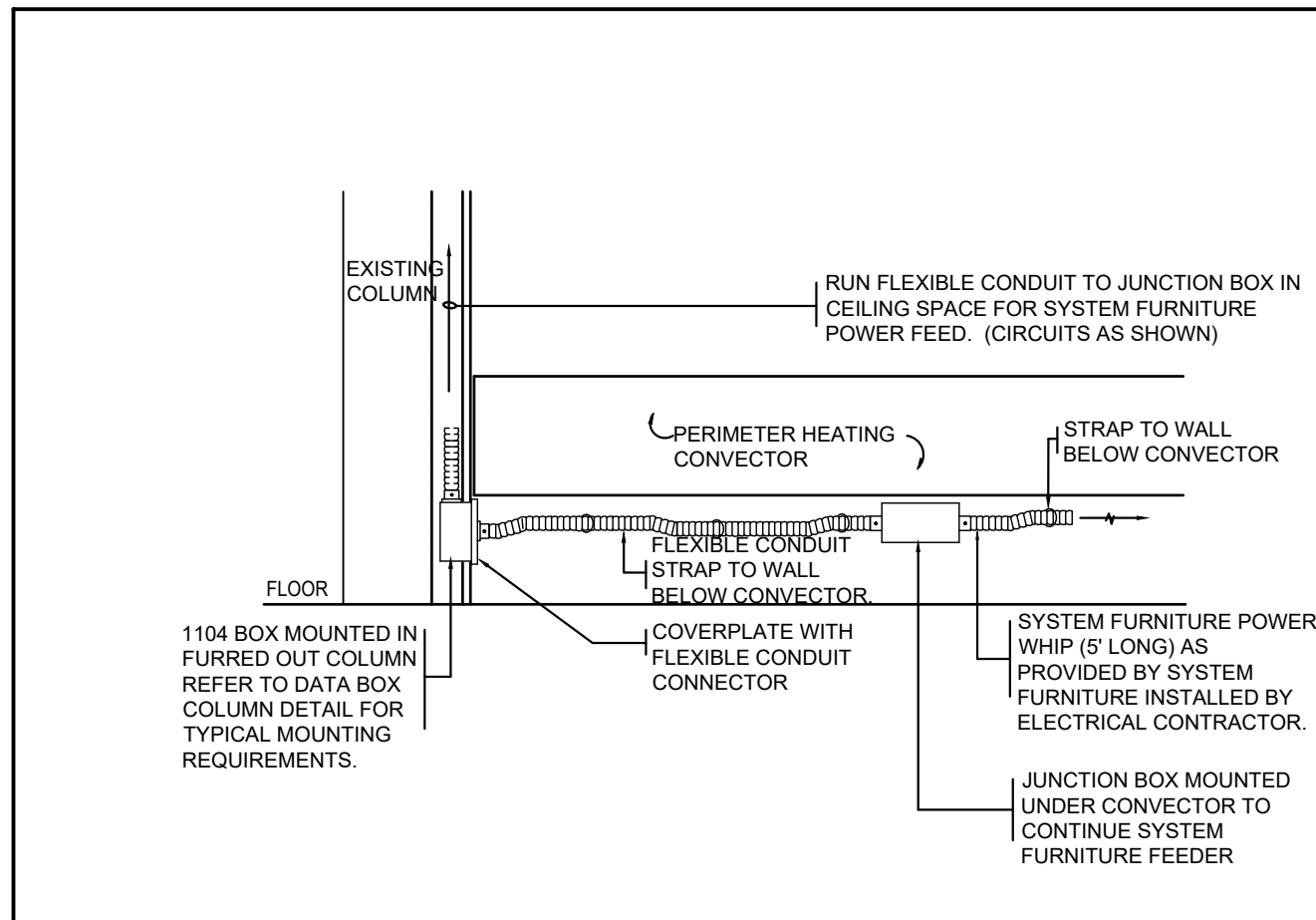
12 CABLES IN CONDUITS INSTALLATION DETAILS
SCALE: NTS



GENERAL NOTES:

- THE SPACING "S1" BETWEEN SINGLE CABLE SHALL BE A MINIMUM OF 1.0 CABLE DIAMETERS OR AS PER ONTARIO ELECTRICAL SAFETY CODE FOR FREE AIR AMPERE RATINGS, WHEREVER IS GREATER.
- THE SPACING "S2" BETWEEN CABLE BUNDLES SHALL BE A MINIMUM OF 2.15 CABLE DIAMETERS OR AS PER ONTARIO ELECTRICAL SAFETY CODE FOR FREE AIR AMPERE RATINGS, WHEREVER IS GREATER.
- CABLE TRAY SHALL BE VENTILATED TYPE AND SUITABLE FOR FREE AIR INSTALLATION APPLICATION.
- REFER TO ELECTRICAL SCHEDULES/SINGLE LINE DIAGRAM FOR EXACT QUANTITY/RUN OF CABLE. ELECTRICAL SCHEDULE/SINGLE LINE DIAGRAM SHALL GOVERN.

13 TYPICAL DETAIL OF SINGLE CABLE SPACING
SCALE: NTS



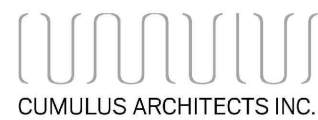
14 SYSTEM FURNITURE POWER WHIP
SCALE: NTS

CLIENT:



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905 813 2200
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CONSULTANT:



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NO	DESCRIPTION	DATE
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5	ISSUED FOR PERMIT	2025/11/21
4	MOH 2.3 RESUBMISSION	2025/06/20
3	MOH 2.3 SUBMISSION	2024/10/11
2	MOH 2.3 COSTING SUBMISSION	2024/09/13
1	MOH 2.3 COSTING SUBMISSION	2024/06/17

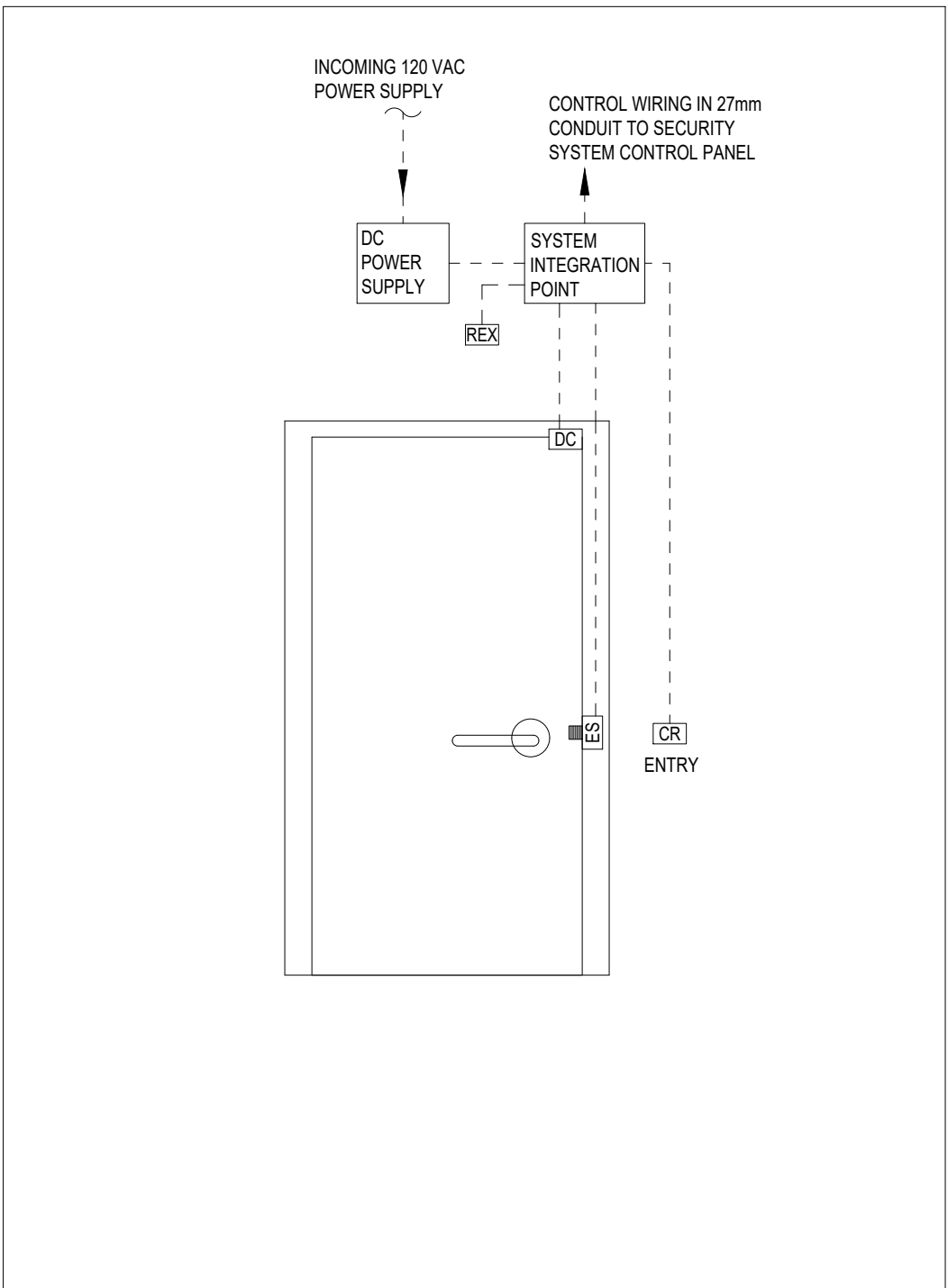
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THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
ELECTRICAL DETAILS

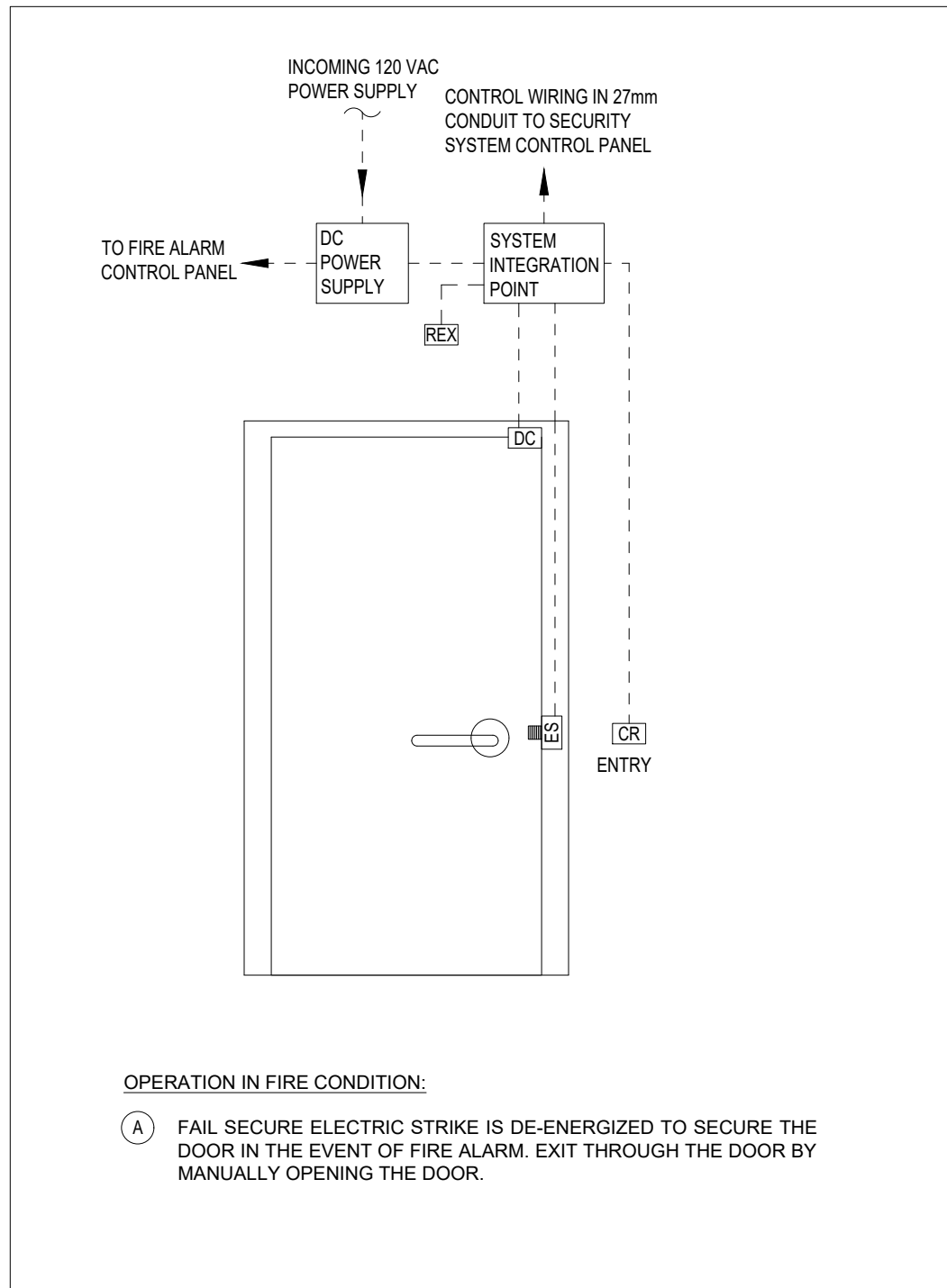
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J.L.

DRAWING NO:

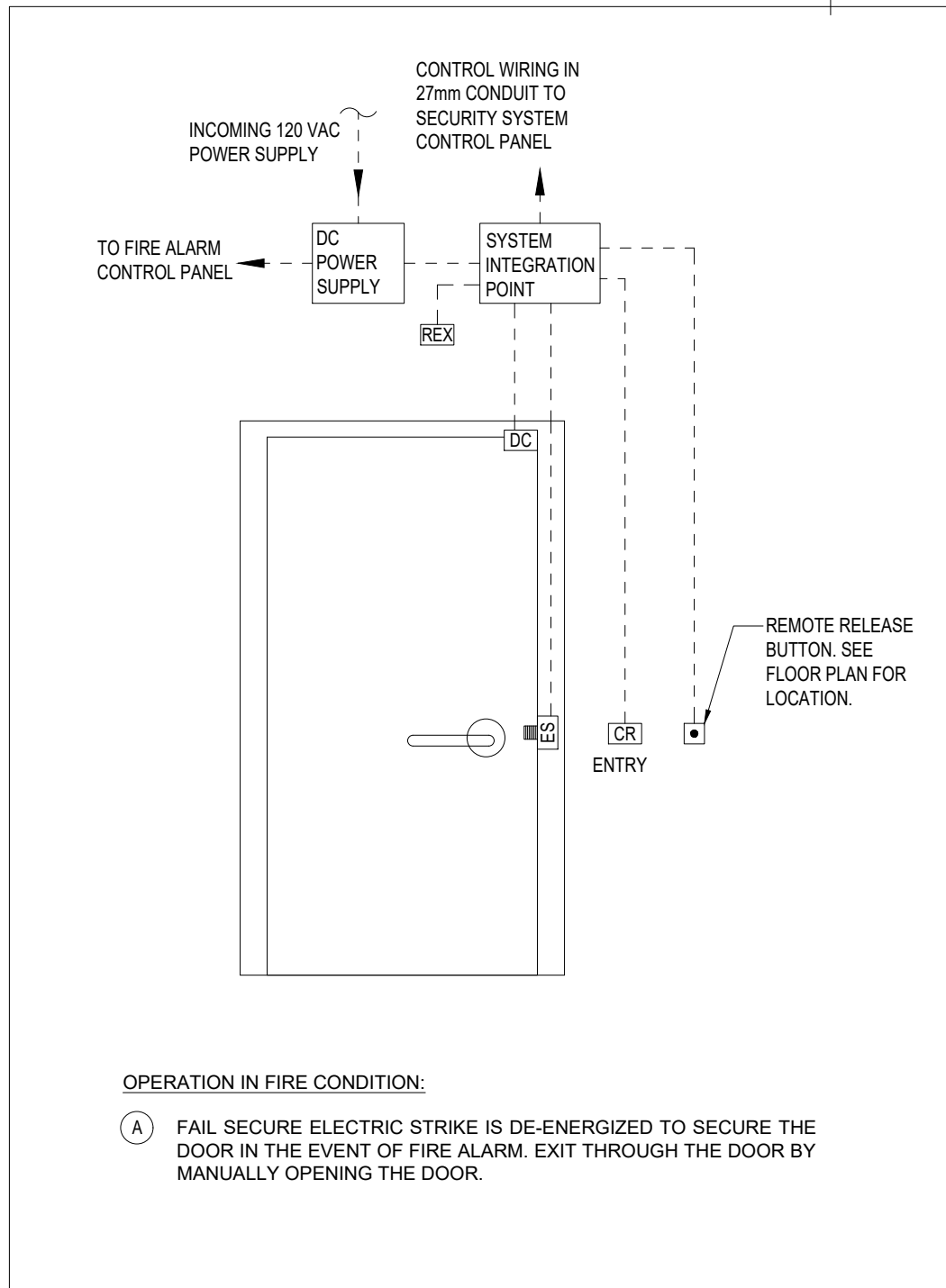
E902



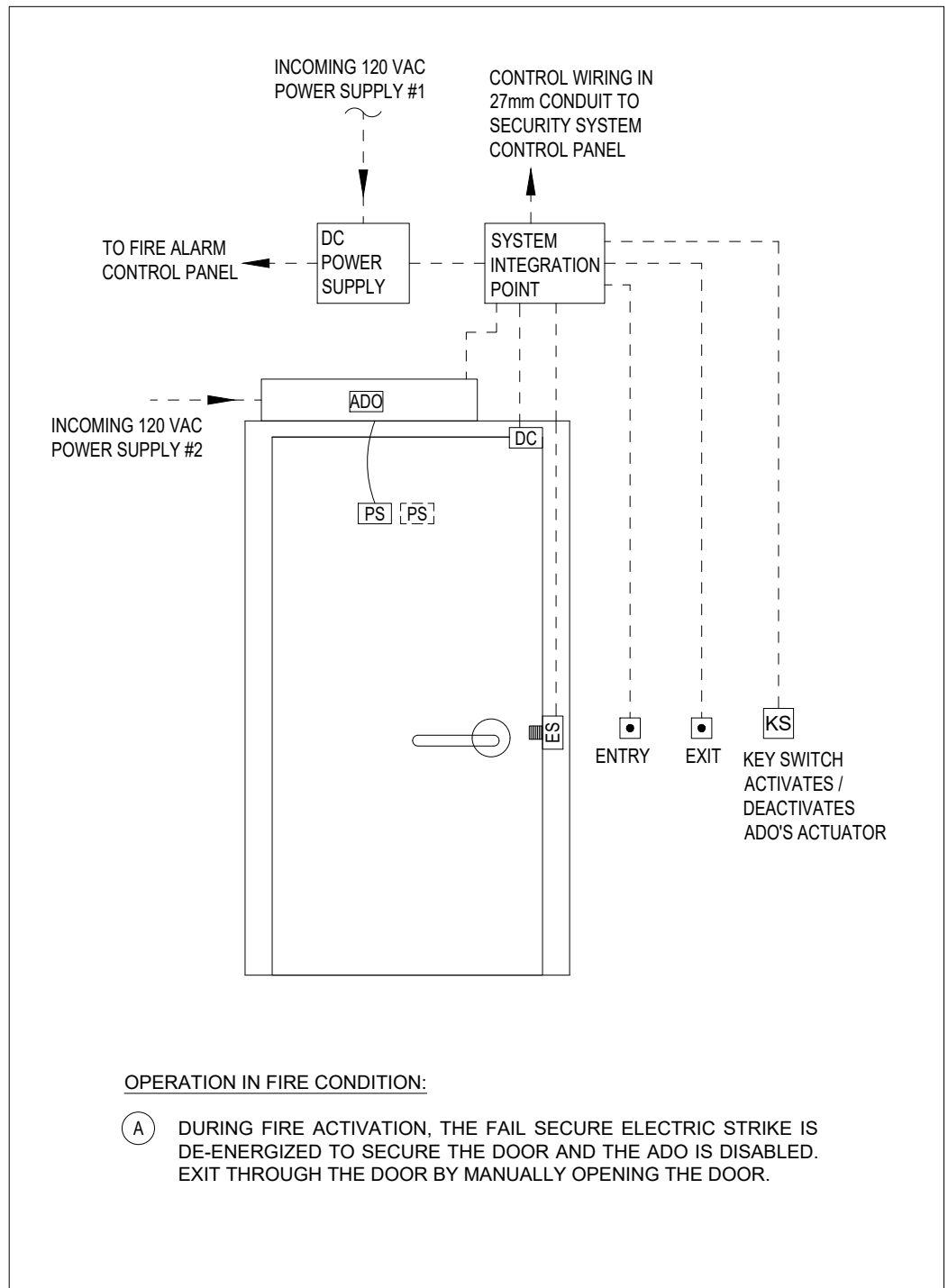
1 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #1
E903 SCALE: N.T.S.



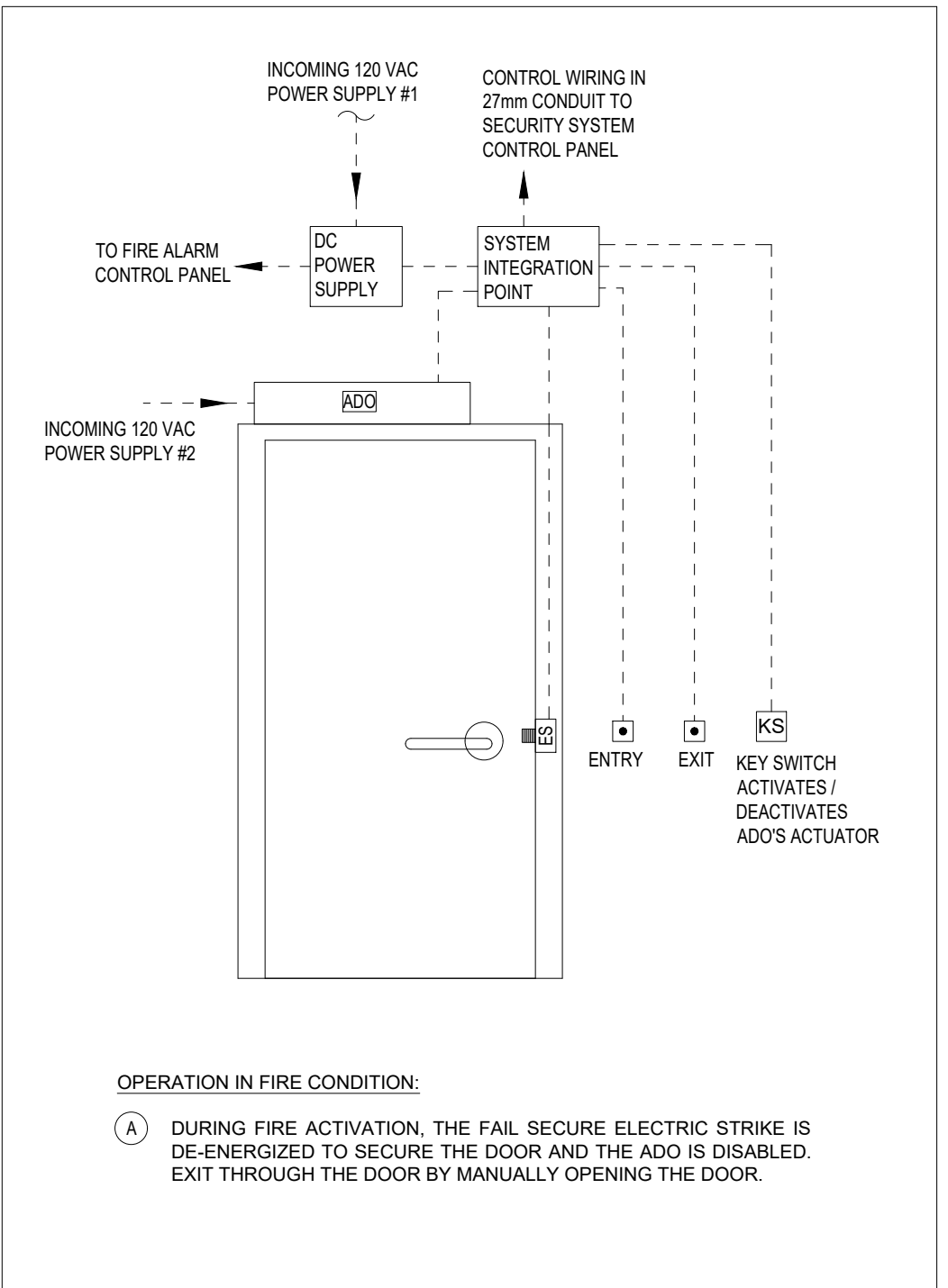
2 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #2
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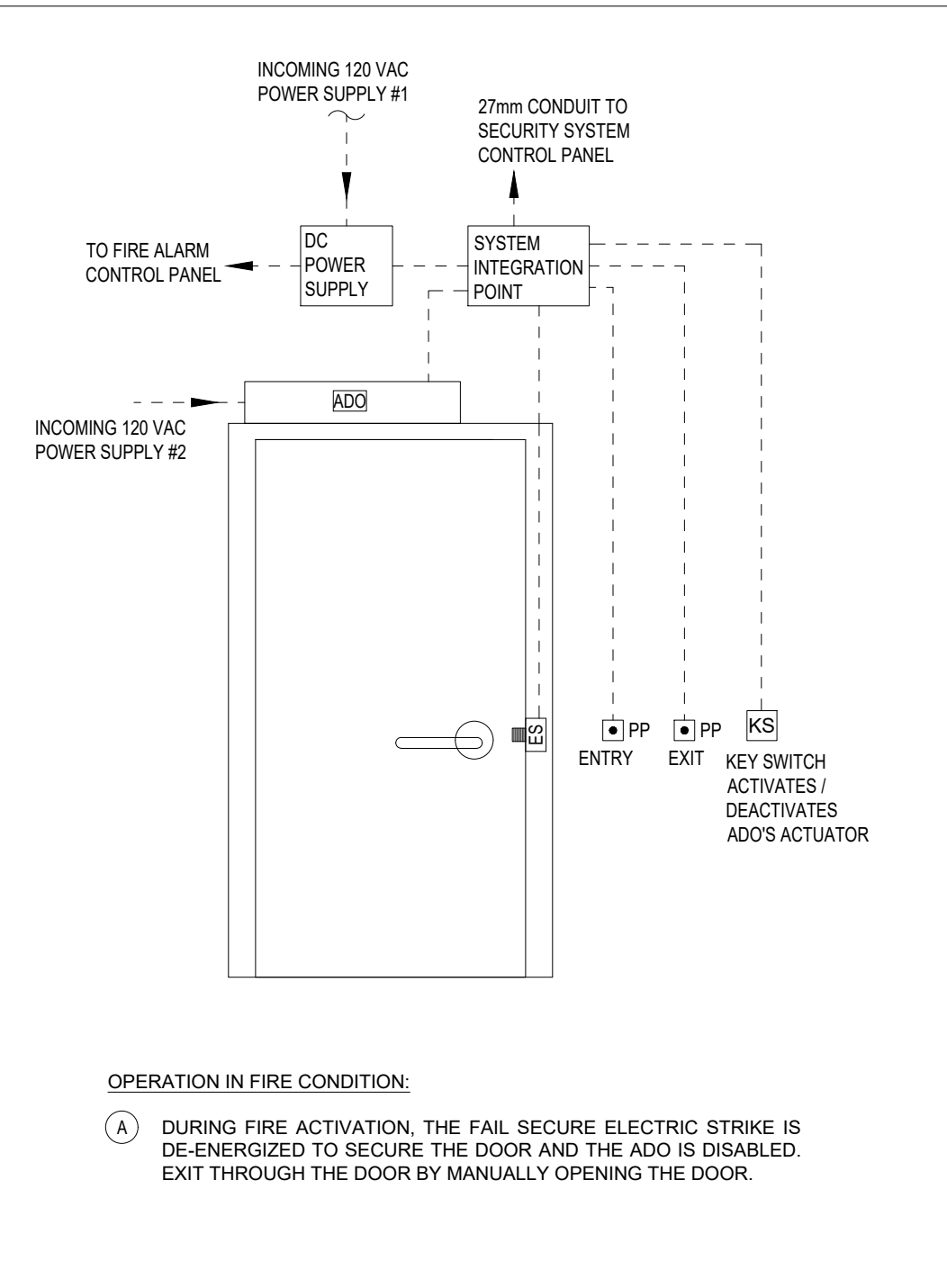
3 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #3
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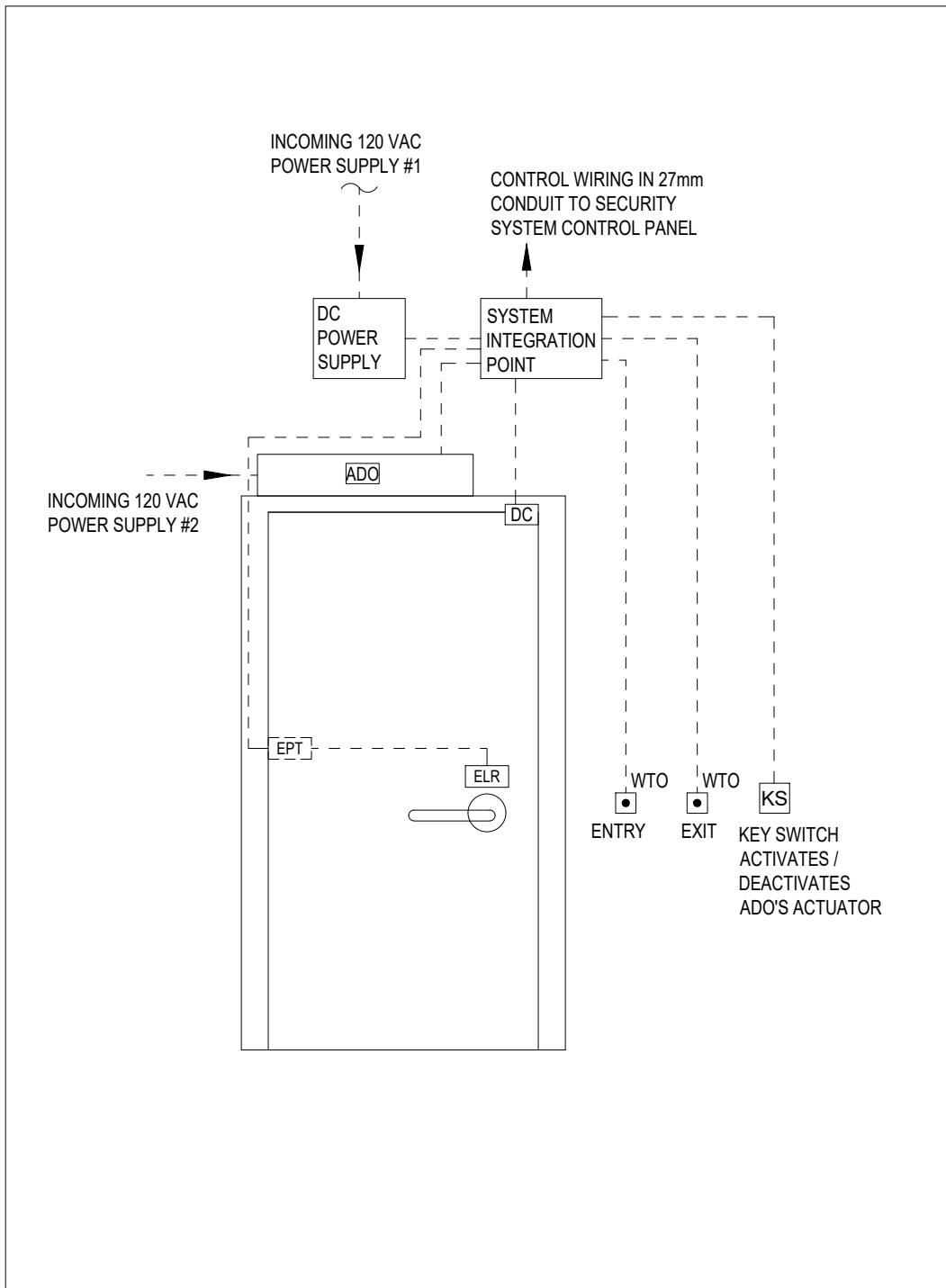
4 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #4
E903 SCALE: N.T.S.



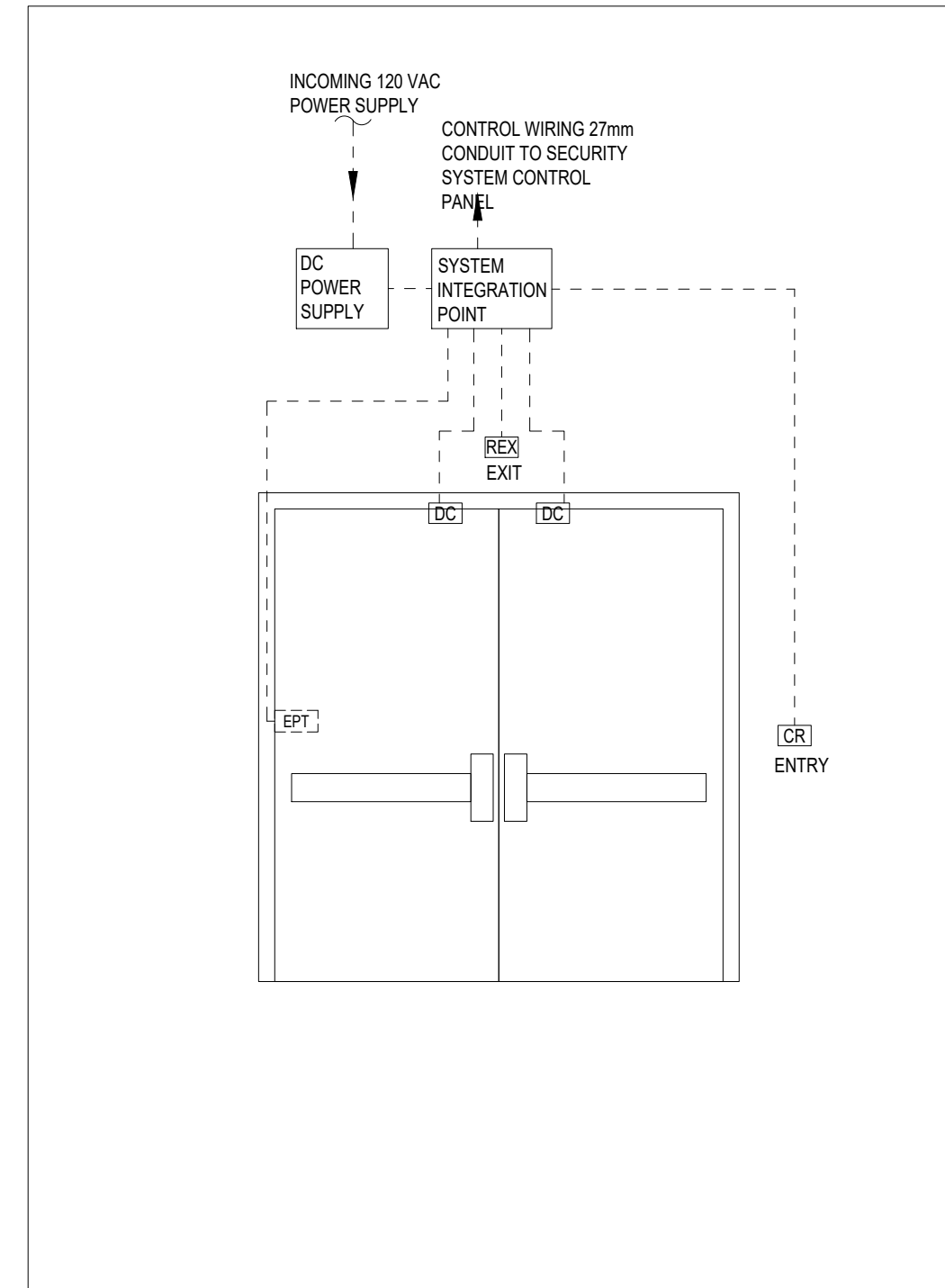
5 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #5
E903 SCALE: N.T.S.



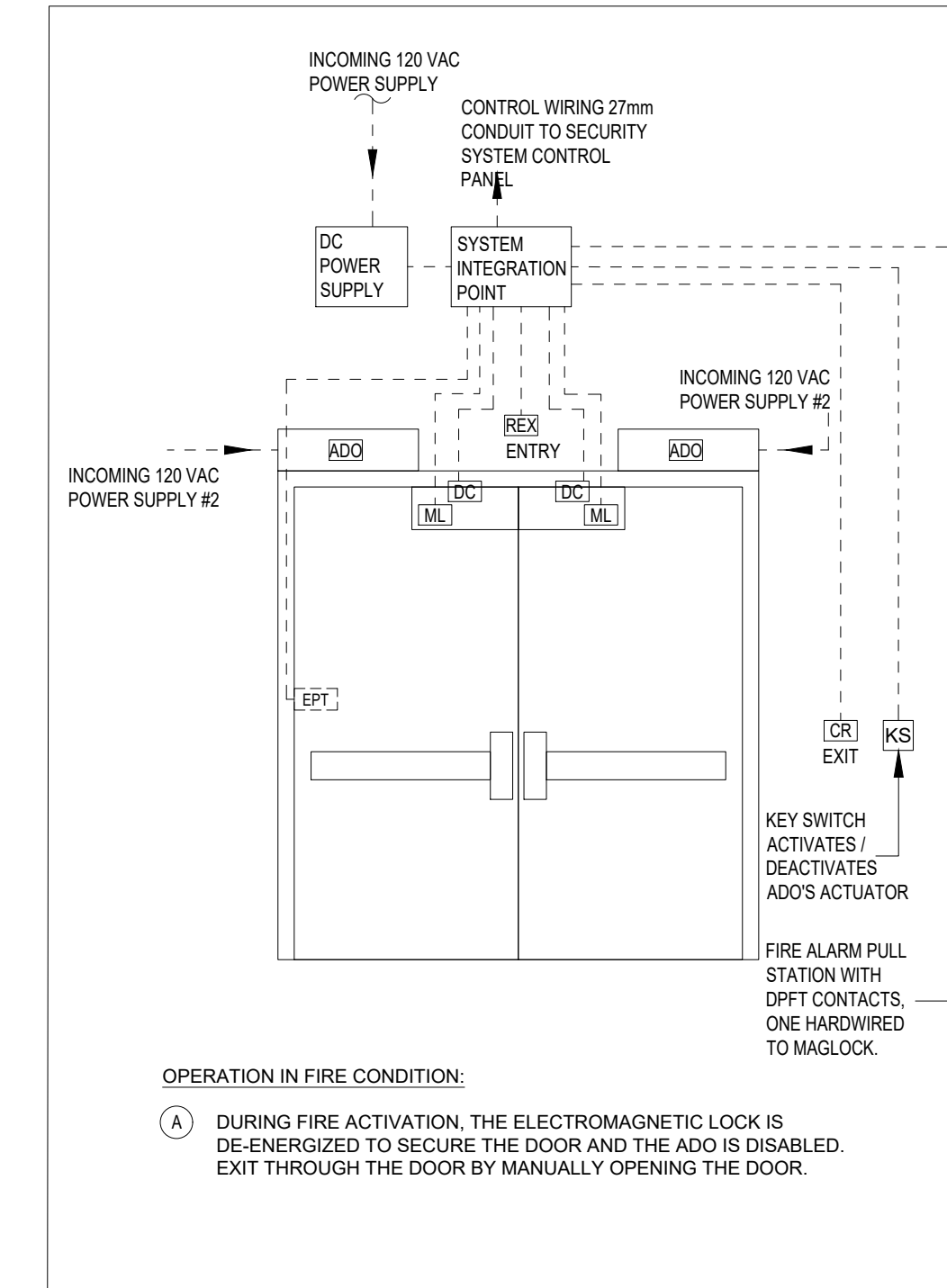
6 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #6
E903 SCALE: N.T.S.



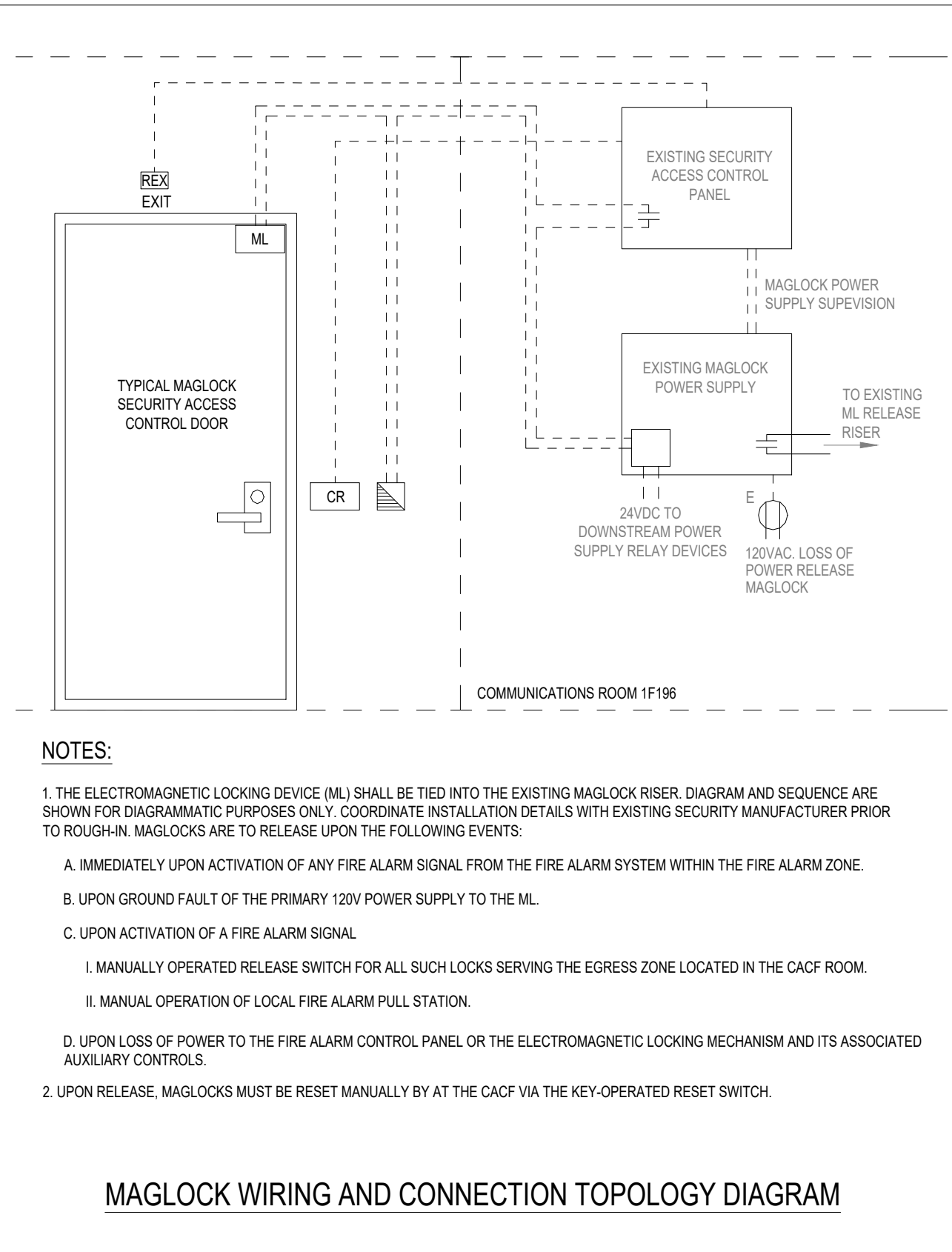
7 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #7
E903 SCALE: N.T.S.



9 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #9
E903 SCALE: N.T.S.



10 TYPICAL DETAIL OF DOOR ELEVATION / CONNECTION #10
E903 SCALE: N.T.S.



- NOTES:
- THE ELECTROMAGNETIC LOCKING DEVICE (ML) SHALL BE TIED INTO THE EXISTING MAGLOCK RISER. DIAGRAM AND SEQUENCE ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. COORDINATE INSTALLATION DETAILS WITH EXISTING SECURITY MANUFACTURER PRIOR TO ROUGH-IN. MAGLOCKS ARE TO BE RELEASED UPON THE FOLLOWING EVENTS:
 - IMMEDIATELY UPON ACTIVATION OF ANY FIRE ALARM SIGNAL FROM THE FIRE ALARM SYSTEM WITHIN THE FIRE ALARM ZONE.
 - UPON GROUND FAULT OF THE PRIMARY 120V POWER SUPPLY TO THE ML.
 - UPON ACTIVATION OF A FIRE ALARM SIGNAL.
 - MANUALLY OPERATED RELEASE SWITCH FOR ALL SUCH LOCKS SERVING THE EGRESS ZONE LOCATED IN THE CAF ROOM.
 - MANUAL OPERATION OF LOCAL FIRE ALARM PULL STATION.
 - UPON LOSS OF POWER TO THE FIRE ALARM CONTROL PANEL OR THE ELECTROMAGNETIC LOCKING MECHANISM AND ITS ASSOCIATED AUXILIARY CONTROLS.
 - UPON RELEASE, MAGLOCKS MUST BE RESET MANUALLY BY AT THE CAF VIA THE KEY-OPERATED RESET SWITCH.

GENERAL NOTES FOR TYPICAL DETAIL OF DOOR CONNECTIONS:

- THE ELEVATIONS SHOWN ARE CONCEPTUAL. ELECTRICAL CONTRACTOR TO CONFIRM THE EXACT REQUIREMENT WITH SECURITY VENDOR AND DOOR HARDWARE MANUFACTURER SUPPLIER PRIOR TO SUBMISSION OF THE BID.
- EXACT QUANTITIES AND LOCATION OF DEVICES SHALL BE AS PER FLOOR PLANS. FLOOR PLANS SHALL GOVERN.
- FUNCTION AND OPERATION OF DOORS TO BE CONNECTED TO SECURITY SYSTEM CONTROL PANELS, SHALL BE DETERMINED BY THE DOOR MANUFACTURER SUPPLIER/INSTALLER AND WITH THE HOSPITAL REPRESENTATIVE ON SITE.
- ALL CONDUITS SHALL BE MINIMUM 21mm, UNLESS NOTED OTHERWISE.
- PROVIDE ALL PROVISIONS IN CONFORMANCE WITH THE ONTARIO FIRE CODE 2.7.2 "EXIT DOOR HARDWARE" AND ONTARIO BUILDING CODE 3.4.6.15.
- PROVIDE EMPTY CONDUIT AND BACKBOXES FOR ALL SECURITY DEVICES, ENGAGE EXISTING ACCESS CONTROL SYSTEM INTEGRATOR (TAK TECHNOLOGIES) TO PROVIDE ALL DEVICES AND CABLING.
- MAGLOCKS SHALL RELEASE IMMEDIATELY UPON LOSS OF POWER TO THE FIRE ALARM CONTROL PANEL OR LOSS OF POWER TO THE MAGLOCK POWER SUPPLY.
- A LEGIBLE SIGN CONTAINING THE WORDS "EMERGENCY EXIT UNLOCKED BY FIRE ALARM" SHALL BE PERMANENTLY MOUNTED ON THE FOUR (4) DOORS CONTROLLED BY THE NEW MAGLOCKS. THE LETTERING ON THIS SIGN SHALL BE AT LEAST 25mm HIGH WITH A 5mm STROKE. THE SIGN SHALL BE RED LAMACOID WITH WHITE LETTERING.
- UPON RELEASE, THE MAGLOCK MUST BE RESET MANUALLY BY THE ACTUATION OF THE "MANUAL RELEASE CONTROL SWITCH" IN THE CAF ROOM.
- CO-ORDINATE EXACT CONDUIT REQUIREMENTS FOR SECURITY/DOOR HARDWARE SYSTEM WITH MANUFACTURER SUPPLIER.
- CO-ORDINATE ALL WORK WITH SECURITY VENDOR AND DOOR HARDWARE MANUFACTURER SUPPLIER.
- A TACTILE SIGN CONTAINING THE WORDS "EMERGENCY EXIT UNLOCKED BY FIRE ALARM" IN BRAILLE AND TACTILE CHARACTERS IN ACCORDANCE WITH CLAUSES 4.5.6.2 AND 4.5.6.3 OF CSA B651-18 SHALL BE PERMANENTLY MOUNTED NEAR THE FOUR (4) DOORS CONTROLLED BY THE NEW MAGLOCKS. THE SIGN SHALL BE CENTERED 1500mm ABOVE THE FINISHED FLOOR WITH THE EDGE OF THE SIGN TO BE A MAXIMUM OF 300mm FROM THE DOOR. THE LOCATION OF THE SIGN SHALL BE:
 - INSTALLED TO THE WALL CLOSEST TO THE LATCH SIDE OF THE DOOR
 - OR ON THE NEAREST WALL ON THE RIGHT SIDE OF THE DOOR

LEGEND:
----- WIRING IN CONDUIT

CLIENT:

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2200 Eglinton Avenue West
Mississauga, ON L5M 2N1
905 813 2200
thp.ca

CONSULTANT:

CUMULUS ARCHITECTS INC.
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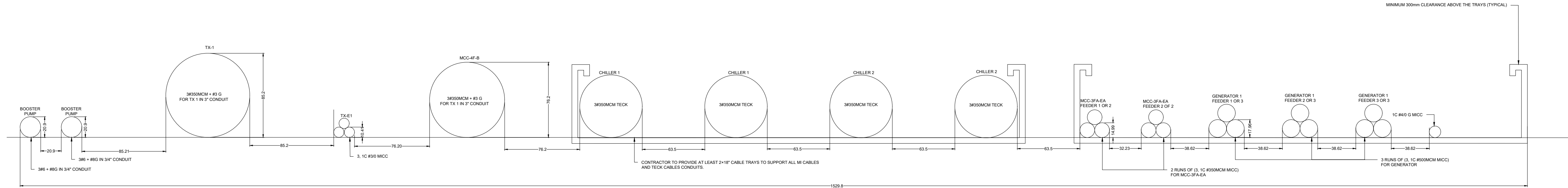
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5	ISSUED FOR PERMIT	2025/11/21
4	MOH 2.3 RESUBMISSION	2025/06/20
3	MOH 2.3 SUBMISSION	2024/10/11
2	MOH 2.3 COSTING SUBMISSION	2024/09/13
1	MOH 2.3 COSTING SUBMISSION	2024/06/17

PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

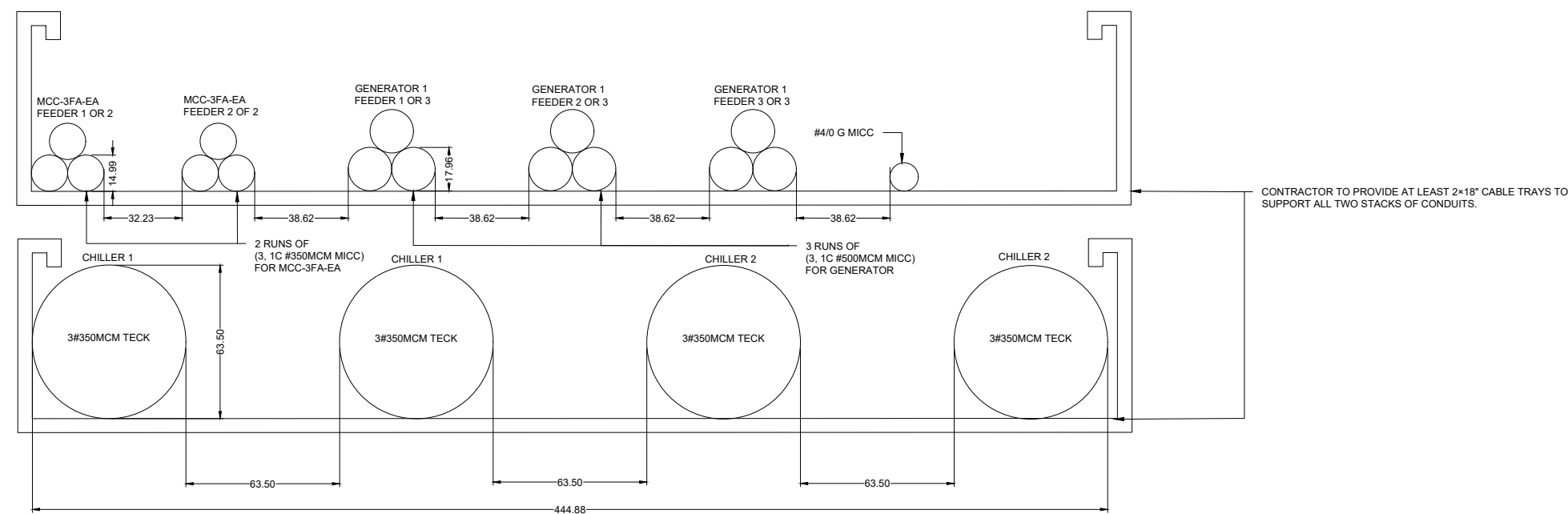
TITLE:
TYPICAL DOOR CONNECTION
& ELEVATION DETAILS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

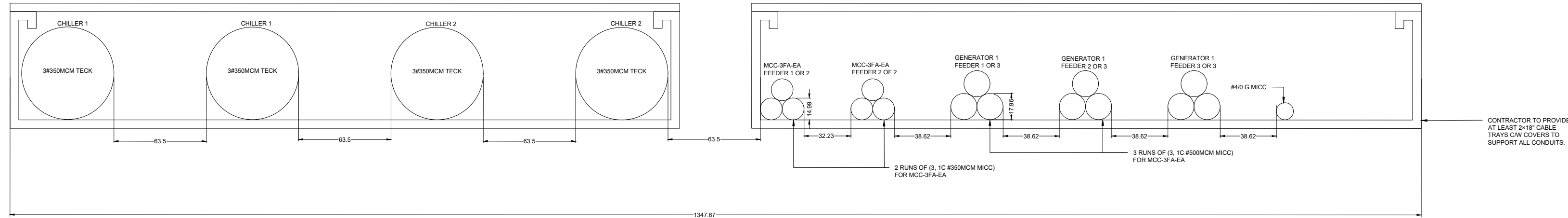
DRAWING NO:
E903



1 LEVEL 1 HALCYON #1 CORRIDOR
E904 N.T.S.



2 HALCYON #1 ELECTRICAL CLOSETS RISER OPENINGS
E904 N.T.S.



3 BLOCK F ROOF TO BLOCK FA ROOF
E904 N.T.S.

ELECTRICAL DRAWING NOTES:

- ALL MCC AND TECK CABLES ACROSS THE ROOF SHALL BE INSTALLED ON A GALVANIZED STEEL COVERED CABLE TRAY.
- CONTRACTOR TO PROVIDE THE REQUIRED SPLICING TO ENSURE PROPER INSTALLATION OF FEEDERS.
- CONTRACTOR TO PROVIDE A MAXIMUM OF 6 FEET SPACING SUPPORT AND STRAPS/GEAR CLAMPS WHERE REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR EXECUTION OF REQUIRED CEILING REMOVAL TO ENSURE THE PROPER INSTALLATION OF THE NEW FEEDERS ON SITE, PROVIDING ALL NECESSARY EQUIPMENT, SUPPORT, AND ACCESSORIES FOR THE INSTALLATION OF CABLE TRAYS ON ROOF AND VERTICAL WALLS OF BUILDING BLOCK F AND FA.
- ALL DETAILS AND DIMENSIONS ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATIONS ONLY AND MAY BE ALTERED BY THE ENGINEERS TO MEET THE REQUIREMENTS OF THE PROJECT AND AUTHORITIES HAVING JURISDICTION.

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3	MOH 2.3 RESUBMISSION	2025/06/20
2	ISSUED FOR CONTRACT DOCUMENT	2025/06/06
1	ISSUED FOR DESIGN DEVELOPMENT	2025/04/29

PROJECT:
THP CANCER CARE EQUIPMENT
2200 Eglinton Ave W,
Mississauga, ON L5M 2N1

TITLE:
CONDUITS CROSS SECTION DETAILS

PROJECT NO:
CA0003678.3329
CHECKED:
J.L.

DRAWING NO:

E904