

POWER SINGLE LINE DIAGRAM SYMBOLS

	CKT BREAKER, ### INDICATES TRIP SETTING, # INDICATES NUMBER OF POLES
	DRAW-OUT CKT BREAKER, ### INDICATES TRIP SETTING, # INDICATES NUMBER OF POLES
	FUSED SWITCH, ### INDICATES TRIP SETTING, # INDICATES NUMBER OF POLES
	ENCLOSED CIRCUIT BREAKER
	ENCLOSED NON-FUSED SWITCH
	ENCLOSED FUSED SWITCH
	KIRK KEY INTERLOCK
	AUTOMATIC TRANSFER
	SOLID STATE, ELECTRONIC ADJUSTABLE TRIP
	GROUND FAULT PROTECTION
	SURGE PROTECTIVE DEVICE
	DIGITAL MULTIMETER
	UTILITY METER
	AUTOMATIC/MANUAL TRANSFER SWITCH
	AUTOMATIC TRANSFER SWITCH, WITH BYPASS ISOLATION
	TRANSFORMER
	GENERATOR
	PANELBOARD
	PAD MOUNTED TRANSFORMER
	GROUND
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER

POWER DISTRIBUTION AND SMALL POWER

	DUPLEX RECEPTACLE, WALL MOUNTED. SUBSCRIPT 'USE' INDICATES WITH TYPE A & C OUTLET.		DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED
	DUPLEX RECEPTACLE, ABOVE BACKSPASH OF CABINET, COUNTERTOP OR SINK		DOUBLE DUPLEX RECEPTACLE, ABOVE BACKSPASH OF CABINET, COUNTERTOP OR SINK
	DUPLEX RECEPTACLE, FLUSH MTD IN CEILING		DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
	HALF SWITCHED DUPLEX RECEPTACLE, WALL MOUNTED		SIMPLEX RECEPTACLE, WALL MOUNTED
	SPECIAL PURPOSE RECEPTACLE, WALL MOUNTED. NEMA CONFIGURATION AS NOTED ON PLANS		SPECIAL PURPOSE RECEPTACLE, CEILING MOUNTED. NEMA CONFIGURATION AS NOTED ON PLANS
	SHADING REPRESENTS RECEPTACLE ON LIFE SAFETY BRANCH		SHADING REPRESENTS RECEPTACLE WITH ISOLATED GROUND
	DISCONNECT SWITCH, REFER TO EQUIPMENT CONNECTION SCHEDULE FOR DISCONNECT TYPE, UON		COMBINATION MOTOR STARTER DISCONNECT
	MOTOR STARTER		VARIABLE FREQUENCY DRIVE
	DIRECT CONNECTION, WALL MOUNTED. SUBSCRIPT 'X' INDICATES UNIQUE IDENTIFIER, REFER TO EQUIPMENT CONNECTION SCHEDULE.		DIRECT CONNECTION, CEILING MOUNTED. SUBSCRIPT 'X' INDICATES UNIQUE IDENTIFIER, REFER TO EQUIPMENT CONNECTION SCHEDULE.
	MOTOR, SUBSCRIPT 'X' DENOTES MOTOR DESIGNATION, REFER TO EQUIPMENT CONNECTION SCHEDULE		GROUND BUS BAR
	FURNITURE OUTLET, WALL MOUNTED		PANELBOARD
	TRANSFORMER		FLOOR BOX, DUPLEX RECEPTACLE
	FLOOR BOX, DOUBLE DUPLEX RECEPT		SPECIAL FLOORBOX, "F" INDICATES UNIQUE FLOOR BOX TYPE
<p>RECEPTACLE TYPE</p> <p>12 NUMBER INDICATES BRANCH CIRCUIT NUMBER</p>			
	FLOOR BOX, DUPLEX RECEPTACLE		FLOOR BOX, DOUBLE DUPLEX RECEPT
	FLOOR BOX, COMBINATION POWER/COMMUNICATIONS OUTLET		SPECIAL FLOORBOX, "F" INDICATES UNIQUE FLOOR BOX TYPE
<p>TYPE</p> <p>2 NUMBER INDICATES BRANCH CIRCUIT NUMBER</p> <p>FLOOR BOX, CONFIGURATION AS INDICATED, FLUSH MOUNTED, UNLESS OTHERWISE NOTED. NOTE: FOR ABOVE DEVICES, SUBSCRIPT 'X' INDICATES:</p> <p>P - PEDESTAL MOUNTED FL - FLUSH MOUNTED</p> <p>PT - POKE THROUGH S - SURFACE MOUNTED</p>			
	JUNCTION BOX, FLUSH MTD IN FLOOR		CLOCK
	ELAPS CLOCK	<p>NOTES</p> <p>1. PROVIDE A 4-11/16" SQUARE BY 2-1/8" DEEP BACK BOX WITH A SINGLE GANG REDUCTION RING AT EACH LOCATION, UNO</p> <p>2. PROVIDE A 1" CONDUIT ROUTED BETWEEN THE BACK BOX AND THE NEAREST CABLE PATHWAY, UNO.</p>	

LIGHTING, LIGHTING SWITCHING & CONTROLS

	UPPER CASE LETTERS INDICATE LIGHTING FIXTURE TYPE		NUMBER INDICATES CIRCUIT NUMBER, LOWER CASE LETTER INDICATES SWITCH/LEG
	LIGHTING FIXTURE ON NORMAL BRANCH POWER - CEILING MOUNTED		LIGHTING FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST - CEILING MOUNTED
	LIGHTING FIXTURE ON NORMAL BRANCH POWER - WALL MOUNTED		LIGHTING FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST - WALL MOUNTED
	STRIP LIGHTING FIXTURE ON NORMAL BRANCH POWER		STRIP LIGHTING FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST
	PENDANT LINEAR FIXTURE ON NORMAL BRANCH POWER		PENDANT LINEAR FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST
	DOWNLIGHT LIGHTING FIXTURE ON NORMAL BRANCH POWER - RECESSED MOUNTED		DOWNLIGHT LIGHTING FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST - RECESSED MOUNTED
	PENDANT LIGHTING FIXTURE ON NORMAL BRANCH POWER		PENDANT LIGHTING FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST
	WALL WASH LIGHTING FIXTURE ON NORMAL BRANCH POWER - ARROW INDICATES DIRECTION OF BEAM		WALL WASH LIGHTING FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST - ARROW INDICATES DIRECTION OF BEAM
	WALL SCONCE LIGHTING FIXTURE ON NORMAL BRANCH POWER - WALL MOUNTED		WALL SCONCE LIGHTING FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST - WALL MOUNTED
	BOLLARD LIGHT FIXTURE ON NORMAL BRANCH POWER		BOLLARD LIGHT FIXTURE ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST
	SITE LIGHTING SINGLE HEAD ON NORMAL BRANCH POWER - POLE MOUNTED		SITE LIGHTING SINGLE HEAD ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST - POLE MOUNTED
	SITE LIGHTING DUAL HEAD ON NORMAL BRANCH POWER - POLE MOUNTED		SITE LIGHTING DUAL HEAD ON EMERGENCY BRANCH POWER OR EMERGENCY BALLAST - POLE MOUNTED
	EXIT SIGN - SINGLE FACE - CEILING MOUNTED		EXIT SIGN - DUAL FACE - CEILING MOUNTED
	EXIT SIGN - SINGLE FACE - WALL MOUNTED		EXIT SIGN - DUAL FACE - WALL MOUNTED
	LOW LEVEL EXIT SIGN - SINGLE FACE - WALL OR DOOR MOUNTED		SINGLE REMOTE EMERGENCY LIGHT - WALL MOUNTED
	DUAL HEAD EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK - WALL MOUNTED		DUAL REMOTE EMERGENCY LIGHT - WALL MOUNTED
	SPST SWITCH, WALL MOUNTED. "3P" INDICATES INDIVIDUAL GANGED SWITCHES AND ASSOCIATED SWITCH LEGS CONTROLLED. SUBSCRIPT 'X' INDICATES:		K - KEY OPERATED
	2 - DOUBLE POLE		3 - THREE WAY
	4 - FOUR WAY		P - PILOT LIGHT
	T - WALL BOX TIMER		WP - WEATHER PROOF

	OCCUPANCY SENSOR, CEILING MOUNTED
	OCCUPANCY SENSOR, WALL MOUNTED
	VACANCY SENSOR, CEILING MOUNTED
	VACANCY SENSOR, WALL MOUNTED
	DIMMING CONTROL PANEL, SUBSCRIPT 'X' INDICATES TYPE
	LIGHTING CONTROL PANEL
	SHUNT TRIP PUSH BUTTON
	TIME CLOCK, SUBSCRIPT 'X' INDICATES UNIQUE IDENTIFIER
	DAYLIGHT SENSOR, CEILING MOUNTED
	PHOTOCCELL

FIRE ALARM SYSTEM

	FIRE ALARM STROBE, WALL MOUNTED		FIRE ALARM STROBE, CEILING MOUNTED
	FIRE ALARM HORN, WALL MOUNTED		FIRE ALARM HORN, CEILING MOUNTED
	FIRE ALARM HORN/STROBE, WALL MOUNTED		FIRE ALARM HORN/STROBE, CEILING MOUNTED
	FIRE ALARM SPEAKER, WALL MOUNTED		FIRE ALARM SPEAKER, CEILING MOUNTED
	FIRE ALARM SPEAKER/STROBE, WALL MOUNTED		FIRE ALARM SPEAKER/STROBE, CEILING MOUNTED
	FIRE ALARM BELL, WALL MOUNTED		FIRE ALARM PULL STATION
	HEAT DETECTOR, WALL MOUNTED		HEAT DETECTOR, CEILING MOUNTED
	SMOKE DETECTOR, WALL MOUNTED		SMOKE DETECTOR, CEILING MOUNTED
	SMOKE DETECTOR, DUCT MOUNTED		FIRE/SMOKE DAMPER
	CARBON MONOXIDE DETECTOR		SMOKE DAMPER
	FIREFIGHTERS TELEPHONE OUTLET		SMOKE ALARM
	REMOTE INDICATOR LIGHT		COMBINATION SMOKE ALARM AND CARBON MONOXIDE DETECTOR
	FIRE ALARM CONTROL PANEL		TAMPERS
	FIRE ALARM REMOTE ANNUNCIATOR PANEL		REMOTE TEST STATION
	DATA GATHERING PANEL		FLOW SWITCH
	FIRE ALARM TERMINAL CABINET		SUPERVISORY VALVE
	FIRE ALARM TRANSPONDER PANEL		ELECTRO-MAGNETIC DOOR HOLDER

TAGS AND CALL OUT SYMBOLS

	SECTION CALLOUT
	SECTION DESIGNATION SHEET NUMBER
	DETAIL CALLOUT
	DETAIL DESIGNATION SHEET NUMBER
	REVISION CALLOUT
	KEYNOTE CALLOUT

SECURITY SYSTEM

ALL SECURITY SYSTEM DEVICES ARE WALL MOUNTED UNLESS OTHERWISE INDICATED BY MOUNTING TAG

	ACCESS CONTROL PANEL		AUTO DOOR OPERATOR
	ALARM DEVICE		CARD READER (HID/ MULTICLASS SE8 RP46)
	CARD READER (HID/ MULTICLASS SE8 RP46)		QR BARCODE CODE CARD READER (AXIS A8207)
	DOOR CONTACT		DOOR CONTROLLER
	ELECTRIFIED LOCKSET		ELECTRIFIED PANIC HARDWARE
	ELECTRIC STRIKE		GLASS BREAK DETECTOR
	INTERCOM (MODEL, COMMENT IDS TD)		INTRUSION DETECTION DEVICE
	MASTER STATION (MODEL, COMMENT IDS TD)		KEY SWITCH
	KEYPAD		MOTION SENSOR
	MAGNETIC LOCK		PANEL / CONTROLLER
	PANIC BUTTON		POWER TRANSFER
	COLUMN SWITCH W/ HANDS FREE PUSH BUTTON		REQUEST TO EXIT DEVICE
	LOW FREQUENCY EXCITER		ALARM SENSOR
	INFRARED READER		SECURITY SYSTEM POWER SUPPLY
	REMOTE DISPLAY UNIT		SERVER
	LOCAL AREA RECEIVER		SECURITY WORKSTATION
	DIRECTIONAL PASSIVE TAG DETECTOR		CCTV CAMERA, WALL-MOUNTED
	INFRARED CURTAIN		CCTV CAMERA, CEILING MOUNTED
	RF READER		PRESS FOR EMERGENCY ASSISTANCE SWITCH
	RF READER MASTER		ASSISTANCE REQUESTED LED ANNUNCIATOR WITH SOUNDER
	RF LONG RANGE READER		OCCUPANCY LAMP
	RF ETHERNET READER		

NOTE:

- PROVIDE A 1/2" CONDUIT ROUTED BETWEEN THE BACK BOX AND THE NEAREST CABLE PATHWAY, UNO.
- PANIC BUTTON SHALL BE SURFACE-MOUNTED TO UNDERSIDE OF COUNTER/DESK. MOUNT THE BACK BOX DIRECTLY BELOW THE COUNTER/DESK AND PROVIDE SURFACE-MOUNTED RACEWAY FROM THE BACK BOX TO THE PANIC BUTTON LOCATION.

DEMOLITION

	EXISTING TO BE REMOVED
	EXISTING TO BE RELOCATED
	EXISTING TO REMAIN
	EXISTING - NEW LOCATION
	DEMOLITION CONDUIT
	DEMOLITION EQUIPMENT
	EXISTING TO REMAIN CONDUIT
	EXISTING TO REMAIN EQUIPMENT
	RELOCATED / NEW CONDUIT
	RELOCATED / NEW EQUIPMENT

NURSE CALL SYSTEM

	NURSE CALL CORRIDOR ZONE LIGHT
	NURSE CALL ROOM DOME LIGHT
	NURSE CALL CONSOLE
	NURSE CALL ANNUNCIATOR
	NURSE CALL ASSET TRACKING
	NURSE CALL CODE BLUE STATION
	NURSE CALL CODE BLUE STATION WITH STAFF ASSIST BUTTON
	NURSE CALL EMERGENCY PULL STATION
	NURSE CALL EMERGENCY PULL SHOWER STATION
	NURSE CALL GATEWAY
	NURSE CALL MASTER STATION
	NURSE CALL DUTY STATION
	NURSE CALL PATIENT STATION
	NURSE CALL STAFF ASSIST STATION
	NURSE CALL STAFF STATION

ABBREVIATIONS

A	ANALOG	MCB	MAIN CIRCUIT BREAKER
AFCI	ARC FAULT CIRCUIT INTERRUPTOR	MCC	MOTOR CONTROL CENTER
AFF	ABOVE FINISHED FLOOR	MD	MOTORIZED DAMPER
ATS	AUTOMATIC TRANSFER SWITCH	MH	MOUNTING HEIGHT
CK	CLOCK HANGER	NC	NORMALLY CLOSED
CL	CEILING MOUNTED	NO	NORMALLY OPEN
EMT	ELECTRICAL METALLIC TUBING	OC	OVER THE COUNTER
EP	EXPLOSION PROOF	PTZ	PAN, TILT, ZOOM
F	FURNITURE OR MILLWORK MOUNTED	ST	SHUNT TRIP
FL	FLOOR MOUNTED	TP	TAMPER PROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHER PROOF
GFI	GROUND FAULT INTERRUPTER		

CIRCUITING

	BLOC-E1MDPH.10	CIRCUIT NUMBER	3#12 #120.21mmC	CONDUIT SIZE
		PANEL DESIGNATION		GROUND CONDUCTOR QUANTITY AND SIZE
				CIRCUIT CONDUCTOR QUANTITY AND SIZE

TELECOMMUNICATIONS SYSTEM

	WALL MOUNT IP PHONE VOICE DATA OUTLET		FLOOR MOUNT IP PHONE VOICE DATA OUTLET
	WALL MOUNT DATA OUTLET		FLOOR MOUNT DATA IP PHONE VOICE DATA OUTLET
	CEILING MOUNT IP PHONE VOICE DATA OUTLET		WIRELESS ACCESS POINT WITH CEILING MOUNT DATA (WAPS SUPPLIED BY UHN AND INSTALLED BY THIS CONTRACTOR)
	CEILING MOUNT DATA OUTLET		JUNCTION BOX FOR AV SYSTEM

VELOCITY LEGEND

X - NUMBER OF DATA JACKS

Y - NUMBER OF VOICE JACKS

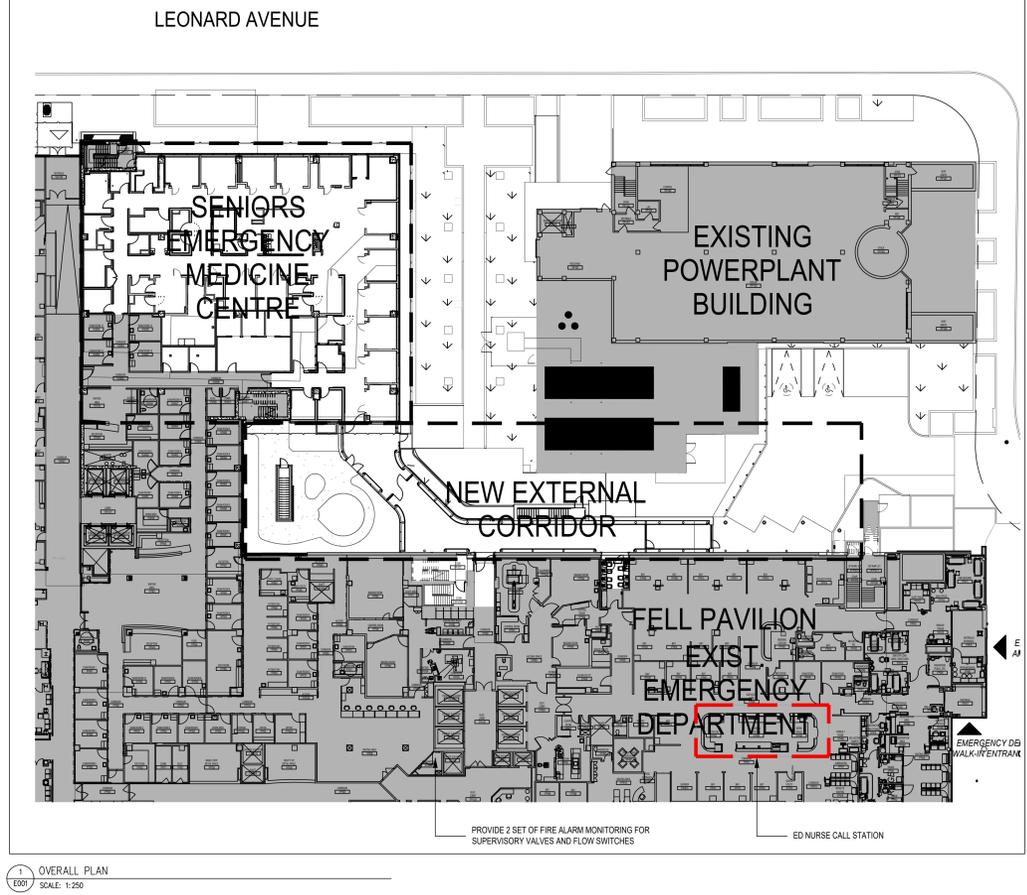
NO SUBSCRIPT = (1) DATA/VOICE

MOUNTING: OUTLET MOUNTING HEIGHTS TO BE COORDINATED WITH INTERIOR DESIGNER DURING DD PHASE

PUBLIC ADDRESS SYSTEM

	PAGING SPEAKERS OR HORN		PAGING STATION
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ALL PUBLIC ADDRESS SYSTEM DEVICES ARE WALL MOUNTED UNLESS OTHERWISE INDICATED BY MOUNTING TAG



DRAWING LIST

	DRAWING NAME	SCALE
E-001	LEGEND, ABBREVIATION AND DRAWING LIST	N.T.S
E-002	GENERAL NOTE AND LUMINAIRES SCHEDULES	N.T.S
E-003	SEPARATE PRICE PLAN	N.T.S
E-101	LEVEL 1 FLOOR PLAN - DEMO - LIGHTING	AS SHOWN
E-102	LEVEL 1 FLOOR PLAN - DEMO - ELECTRICAL	AS SHOWN
E-103	LEVEL 1 FLOOR PLAN - DEMO - POWER SYSTEMS	AS SHOWN
E-201	LEVEL 1 FLOOR PLAN - NEW WORK - LIGHTING	AS SHOWN
E-202	LEVEL 1 FLOOR PLAN - NEW WORK - ELECTRICAL AND POWER SYSTEMS	AS SHOWN
E-203	LEVEL 1 FLOOR PLAN - NEW WORK - EXAM ROOMS	AS SHOWN
E-204	BASEMENT - ELECTRICAL LAYOUT	AS SHOWN
E-205	PENTHOUSE & ROOF FLOOR PLAN - ELECTRICAL LAYOUT	AS SHOWN
E-301	BELOW GRADE FLOOR - ELECTRICAL LAYOUT	AS SHOWN
E-302	GROUND FLOOR PLAN - LIGHTING LAYOUT	AS SHOWN
E-303	GROUND FLOOR PLAN - POWER & SYSTEMS LAYOUT	AS SHOWN
E-401	ELECTRICAL DETAILS & PANEL SCHEDULES	N.T.S
E-402	MECHANICAL EQUIPMENT SCHEDULES	N.T.S
E-501	ELECTRICAL RISER DIAGRAM	N.T.S
E101	GROUND FLOOR OVERALL PLAN - ELECTRICAL LAYOUT	AS SHOWN
E201	LEVEL 3 FLOOR PLAN - ELECTRICAL LAYOUT	AS SHOWN
E202	LEVEL 8 ROOF - ELECTRICAL LAYOUT & ENLARGED PLAN	AS SHOWN
E301	ELECTRICAL RISER DIAGRAM AND LUMINAIRE SCHEDULE	AS SHOWN

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PROJECT STATUS:

REVISIONS:

PROJECT:

UHN TWH - Seniors Emergency Medicine Centre
399 Bathurst Street, Toronto ON M5T 2S8
UHN PROJECT NO.: SAP #110022016

TITLE:

OVERALL PLAN, LEGEND, ABBREVIATION AND DRAWING LIST

PROJECT NO: MIRK-23004289

CHECKED: M.S.

DRAWING NO: E-001

GENERAL NOTES

- ALL DRAWINGS 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. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, EQUIPMENT CONSULTANTS' MECHANICAL AND STRUCTURAL DRAWINGS FOR INSTALLATION OF ALL EQUIPMENT AND DEVICES.
- CONTRACTOR TO INCLUDE FOR PAYMENT OF REQUIRED PERMITS, FEES, LICENSES, CERTIFICATES OF INSPECTION ETC IF REQUIRED.
- ALL OPENINGS, IF APPLICABLE, SHALL BE SEALED WITH APPROVED FIRE STOP MATERIAL TO MEET THE FRR OF THE ASSEMBLY. MAKE NOTE TO REFER TO ARCH DWGS. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS TO APPLICABLE BUILDING AND FIRE CODES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFINISHING OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT. ASSUME FULL RESPONSIBILITY FOR ALL WORKS DONE. SHOULD ANY EXISTING SYSTEM OR PROPERTY BE DAMAGED BY THE CONTRACTOR, MAKE FULL REPAIR/REPLACEMENTS WITHOUT EXTRA COST, AND TO THE SATISFACTION OF CONSULTANT AND THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL EXISTING ITEMS WHICH WILL BE RELOCATED/REUSED IN THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND DISTRIBUTION OF TEMPORARY POWER AND LIGHTING WITHIN THE PREMISES DURING THE CONSTRUCTION PERIOD. EXPOSED ELECTRICAL CORDS OUTSIDE THE PREMISES SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, EXISTING SITE CONDITIONS, CONSULTANTS, AND THE OWNER TO AVOID INTERFERENCE WITH OTHER SERVICES. ALL WORK SHALL BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON-INTERRUPTED OPERATION OF EXISTING FACILITY.
- CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL CIRCUITS, WIRING, SERVICES, JUNCTION BOXES, PULLBOXES, DEVICES, OUTLETS AND EQUIPMENT INSTALLED AND CONNECTED UNDER THE SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE AS PER OWNER'S REQUIREMENTS AND ALL MARKINGS SHALL BE LAMACOD TYPE. COORDINATE ALL LABELING WITH THE OWNER AND CONSULTANT.
- NEW AND EXISTING ELECTRICAL WIRING AND CABLES EXPOSED WITHIN THE CEILING SPACES SHALL CONFORM TO THE PLENUM REQUIREMENTS OF ONTARIO BUILDING CODE SENTENCE 3.6.4.3. (1).
- DURING CONSTRUCTION ENSURE ALL LUMINAIRES IN AND/OR OUT OF SCOPE OF WORK ARE FREE OF DUST AND DEBRIS. CONTRACTOR TO CLEAN LUMINAIRES AFFECTED BY CONSTRUCTION DUST AND/OR DEBRIS.
- EXISTING PANEL SCHEDULE SHALL BE UPDATED UPON PROJECT COMPLETION. BREAKERS THAT ARE NOT IN USE SHALL BE SWITCHED TO THE OFF POSITION AND MARKED AS SPARE UPON PROJECT COMPLETION. WHERE EXISTING CIRCUITS ON PANELS ARE NOT AFFECTED, THOSE CIRCUITS WILL BE INCLUDED IN THE NEW PANEL DIRECTORIES WHERE PANELS HAVE BEEN AFFECTED BY THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR UPDATING ANY AND ALL PANEL DIRECTORIES ALTERED BY THE SCOPE OF WORK AND PROVIDING PRINTED COPIES IN EACH, IN ADDITION TO PROVIDING UPDATED AND NEW PANEL DIRECTORIES IN AS-BUILT DRAWINGS, SEE NOTE 15.
- REWORK ALL EXISTING POWER SUCH THAT SURROUNDING AREAS REMAIN OPERATIONAL AND ARE NOT AFFECTED AS A RESULT OF BUILDING DEMOLITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND EXAMINING ALL CONDITION AFFECTING THE ELECTRICAL INSTALLATION. NO CONSIDERATION WILL BE GIVEN TO CLAIMS FOR EXTRA COSTS ARISING FROM FAILURE TO VISIT SITE.
- THE WORD "PROVIDE" SHALL MEAN SUPPLY, INSTALL, CONNECT AND TEST.
- SUBMIT "AS-BUILT" DRAWINGS. THESE DRAWINGS SHALL RECORD ALL CHANGES TO DESIGN.
- LUMINAIRES SHALL BEAR THE APPROPRIATE UL/C LABEL FOR LOCATION, MOUNTING POSITION AND OPERATING CONDITIONS IN WHICH IT IS INSTALLED.
- LUMINAIRES SHALL BE INSTALLED COMPLETE WITH ALL ACCESSORIES, GLASSWARE, CANOPIES, SOCKETS, REFLECTORS, OPTICS, WIRING DEVICES AND SUPPLIED WITH NEW LAMPS OF THE TYPE AND WATTAGE INDICATED ON DRAWINGS OR IN SPECIFICATIONS.
- WALL MOUNTED LUMINAIRES AND JUNCTIONS BOXES SHALL BE RIGIDLY SUPPORTED TO STRUCTURE TO PROVIDE ADEQUATE SUPPORT DURING NORMAL OPERATION.
- CONTRACTOR SHALL PROVIDE ADDITIONAL JUNCTION BOXES AS REQUIRED WHERE CONDUCTORS EXCEED FACTORY PROVIDED JUNCTION BOX LIMITATIONS.
- FIRE RATED OPSUM BOARD ENCLOSURES SHALL BE CONSTRUCTED AROUND ALL RECESSED LUMINAIRES THAT PENETRATE FIRE RATED AREAS AS DEFINED BY ARCHITECTURAL.
- ANY ABANDONED CONDUITS AND FEEDERS SHALL NOT BE REUSED AND TO BE REMOVED WITHIN WITHIN THE AREA ARE OF RENOVATION.
- CONTRACTOR SHALL MAINTAIN A VOLTAGE DROP OF 3% FOR ALL BRANCH CIRCUITS.
- EXAMINATION OF SITE & DOCUMENTS
- PRIOR TO SUBMITTING BID, CAREFULLY EXAMINE CONDITIONS AT SITE WHICH WILL OR MAY AFFECT WORK, DRAWINGS, & SPECIFICATIONS, & BECOME FAMILIAR WITH BUILDING CONSTRUCTION, FINISHES & OTHER WORK ASSOCIATED WITH WORK IN ORDER THAT BID INCLUDES FOR EVERYTHING NECESSARY FOR COMPLETION OF WORK.
- INTERRUPTIONS TO & SHUT-DOWNS OF EXISTING SERVICES & SYSTEMS
- INCLUDE FOR COSTS OF PREMIUM TIME TO PERFORM WORK DURING NIGHTS, WEEKENDS OR OTHER TIME OUTSIDE OF NORMAL WORKING HOURS, AS NECESSARY TO MAINTAIN SERVICES IN OPERATION OR WITH MINIMUM INTERRUPTIONS & TO COMPLY WITH OWNER'S REQUIREMENTS. NOTE: WORK ASSOCIATED WITH SHUT-DOWNS & INTERRUPTIONS WILL BE CARRIED OUT AS CONTINUOUS OPERATIONS TO MINIMIZE SHUT-DOWN TIME & TO RENOVATE SYSTEMS AS SOON AS POSSIBLE. & PRIOR TO SHUT-DOWN, ENSURE MATERIALS & LABOUR REQUIRED TO COMPLETE WORK FOR WHICH SHUT-DOWN IS REQUIRED ARE AVAILABLE AT SITE. ANY REQUIRED SERVICE INTERRUPTIONS MUST BE COORDINATED WITH THE OWNER TWO WEEKS IN ADVANCE OF THE EXPECTED INTERRUPTION.
- CUTTING, PATCHING & CORE DRILLING
- CUTTING, PATCHING & CORE DRILLING OF EXISTING BUILDING REQUIRED FOR INSTALLATION OF WORK. PERFORM CUTTING IN NEAT & TRUE FASHION, WITH PROPER TOOLS & EQUIPMENT TO OWNER'S APPROVAL. PATCHING WILL EXACTLY MATCH EXISTING FINISHES & BE PERFORMED BY TRADESMEN
- SKILLED IN PARTICULAR TRADE OR APPLICATION WORKED ON TO OWNER'S APPROVAL.
- IN FIRE RATED CONSTRUCTION, PACK & SEAL VOID BETWEEN OPENING & CONDUIT FOR LENGTH OF OPENING WITH ASBESTOS-FREE ELASTOMERIC ULC LISTED & LABELLED MATERIALS. INSTALL FIRESTOP & SMOKE SEAL MATERIALS IN ACCORDANCE TO ULC CERTIFICATION & MANUFACTURER'S REQUIREMENTS TO PROVIDE FIRESTOP RATINGS OF OPENINGS IN ACCORDANCE WITH GOVERNING BUILDING CODE REQUIREMENTS.
- DO NOT CUT OR DRILL EXISTING WORK WITHOUT PRIOR OWNER'S APPROVAL. IN CONSULTATION WITH OWNER & PROVIDE PROFESSIONAL STRUCTURAL ENGINEER REPORT & SIGNOFF REQUIRED FOR LOCATIONS OF ALL CORING IN SLAB. DETERMINE PRESENCE OF EXISTING SERVICES & REINFORCING RODS CONCEALED BEHIND SURFACE TO BE CUT. ENSURE THAT AREAS OF BOTH SIDES OF THE SURFACE BEING CUT ARE PROTECTED FROM DEBRIS. NOTE: ELECTRICAL CONTRACTOR WILL BE HELD RESPONSIBLE FOR DAMAGE DONE TO EXISTING BUILDING & SERVICES CAUSED BY CUTTING OR DRILLING. CAREFULLY HAND CHESELT TO EXPOSE RE-BAR AND BURIED SERVICES AND CHESELT OUT REQUIRED OPENINGS. NO IRON PERMITTED FOR SLAB SCANNING.
- DISCONNECTION, REMOVAL, & RELOCATION WORK
- WHERE INDICATED ON DRAWINGS, & DETERMINED BY SITE VISIT, DISCONNECT & REMOVE ITEMS OF EXISTING OBSOLETE ELECTRICAL WORK & RELOCATE DEVICES. WHERE FIXTURES, SWITCHES, RECEPTACLES & OTHER DEVICES &/OR EQUIPMENT IS REMOVED, DISCONNECT AT POINT OF ELECTRICAL SUPPLY. REMOVE OBSOLETE WIRING, & MAKE SYSTEM SAFE. REVISE PANELBOARD DIRECTORIES ACCORDINGLY, IF AFFECTED BY WORK.
- UNLESS OTHERWISE NOTED, OBSOLETE MATERIALS WHICH ARE DISCONNECTED & ARE NOT TO BE RELOCATED OR REUSED SHALL BE REMOVED FROM SITE & DISPOSED. OBTAIN FROM OWNER, LIST OF EXISTING ITEMS TO BE CAREFULLY REMOVED & TURNED OVER TO OWNER. SAID ITEMS WILL REMAIN PROPERTY OF OWNER.
- PROVIDE JUNCTION BOXES, OUTLET BOXES, WIRING, PLATES, ETC., AS NECESSARY FOR COMPLETE RELOCATION OF DEVICES.
- WHERE EXISTING SERVICES PASS THROUGH OR ARE IN AN AREA TO SERVE ITEMS WHICH ARE TO REMAIN, MAINTAIN SERVICES. INCLUDE FOR REROUTING EXISTING SERVICES CONCEALED BEHIND FINISHES & WHICH BECOME EXPOSED DURING RENOVATION WORK, SO AS TO BE CONCEALED BEHIND FINISHES.
- IN AREAS WHICH ARE NOT BEING ARCHITECTURALLY RENOVATED & WHICH ELECTRICAL CONTRACTOR MUST RUN SERVICES THROUGH, BE RESPONSIBLE FOR REMOVAL & REINSTALLATION OF ARCHITECTURAL CEILING TILES, MECHANICAL EQUIPMENT, SPRINKLERS, ETC., AS REQUIRED FOR INSTALLATION OF YOUR WORK. IF THE REQUIRED ELECTRICAL WORK IS REQUIRED TO ACCOMMODATE WORK OF OTHER TRADES, AND IF REMOVAL OF EXISTING CEILING TILES IS NOT THE RESPONSIBILITY OF OTHERS, BE RESPONSIBLE FOR ALL WORK TO GAIN ACCESS TO THOSE DEVICES THAT NEED TO BE WORKED ON PRIOR TO REMOVAL OF CEILING TILES OR OTHER DEVICES. INSPECT FOR DAMAGES/WORKING ORDER AND REPORT ANY DEFICIENCIES TO OWNER PRIOR TO START OF WORK. PATCH & MAKE GOOD (INCLUDING PAINTING) SURFACES TO MATCH EXISTING.
- COMPLY WITH THE OWNER'S LATEST WASTE MANAGEMENT GUIDELINES WITH SPECIFIC REFERENCE TO WASTE SEGREGATION AND REMOVALS.
- HAZARDOUS MATERIALS
- IF AT ANY TIME DURING COURSE OF WORK ASBESTOS MATERIALS ARE ENCOUNTERED OR SUSPECTED, CEASE WORK IN AREA IN QUESTION & IMMEDIATELY REPORT, IN ACCORDANCE WITH ONTARIO REGULATION 654/85 (SECTION 7) TO CONSULTANT AND OWNER PROJECT MANAGER. DO NOT RESUME WORK IN AFFECTED AREA WITHOUT APPROVAL FROM CONSULTANT AND OWNER PROJECT MANAGER.
- EXISTING FIRE ALARM SYSTEM WORK
- WHERE NOTED ON DRAWINGS, DISCONNECT & REMOVE REQUIRED DEVICES. NEW WORK TO BE AN EXTENSION OF EXISTING SYSTEM. PERFORM WORK IN ACCORDANCE WITH LATEST EDITION OF CAN/ULC-5524. SEQUENCE OF OPERATION OF NEW WORK TO FUNCTION AS EXISTING SYSTEM. UNLESS OTHERWISE NOTED, CONNECT ADDITIONAL DEVICES TO EXISTING ZONES SERVING AREA & PROVIDE WIRING OF MINIMUM NO. 16 AWG IN CONDUIT & AS PER OESC REQUIREMENTS. ALARM INITIATING CIRCUITS SHALL BE RUN IN SEPARATE CONDUITS FROM ALARM SIGNALING CIRCUITS.
- DURING WORK TO THE EXISTING FIRE ALARM SYSTEM THE TIME & DURATION OF INTERRUPTION SHALL BE APPROVED BY THE OWNER & ONLY 1 ZONE SHALL BE INTERRUPTED AT ANY 1 TIME IN ALL AREAS WHERE THE RENOVATION WORK REQUIRES SHUTDOWN OF ANY PART OF THE FIRE ALARM PROTECTION SYSTEM. PROVIDE MANUAL FIRE ALARM PROTECTION (FIRE WARDEN) BY MEANS OF SUPERVISING THE AREA AS APPROVED BY GOVERNING AUTHORITIES. AT NO TIME SHALL THE FIRE ALARM SYSTEM OR ANY 1 ZONE BE LEFT INOPERATIVE AFTER HOURS WITHOUT APPROPRIATE FIRE WATCH. PROVIDE ALL REQUIRED BYPASS WIRING & TEMPORARY WIRING AS MAY BE REQUIRED TO MAINTAIN ALL PARTS OF THE FIRE ALARM SYSTEM OPERATIVE DURING CONSTRUCTION & ALTERATIONS.
- PROVIDE FIRE ALARM PULL STATION AT LOCATIONS OF ELECTROMAGNETICALLY LOCKED DOORS. PULL STATIONS SHALL BE C/W AUXILIARY CONTACTS FOR CONNECTIONS TO SECURITY SYSTEM TO RELEASE MAGLOCKS UPON FIRE ALARM SYSTEM & PULL STATION ACTIVATION. PROVIDE WIRING & CONDUIT & REQUIRED INTERCONNECTIONS TO SECURITY SYSTEM. CO-ORDINATE WORK WITH SECURITY SYSTEM CONTRACTOR. PROVIDE OBC COMPLIANT MESSAGE SIGNAGE WITH "PULLSTATION FOR EMERGENCY EXIT", ADJACENT PULL STATION.
- WHEN FIRE ALARM SYSTEM WORK IS COMPLETE & READY FOR ACCEPTANCE, PROVIDE & ARRANGE FOR INDEPENDENT TESTING COMPANY VPOND AS APPROVED BY THE OWNER - EXISTING FIRE ALARM MAINTENANCE CONTRACTOR TO INSPECT, TEST & CERTIFY EQUIPMENT, INCLUDING INITIATING DEVICES, SIGNALING DEVICES, CONTROL DEVICES & WIRING. CONDUCT WORK IN ACCORDANCE WITH LATEST EDITIONS OF CAN/ULC-5536 & 5537. TESTS TO BE CONDUCTED IN PRESENCE OF OWNER &/OR CONSULTANT. CERTIFY SYSTEM AND PROVIDE 3 COPIES OF SIGNED VERIFICATION REPORT.
- THE TESTING COMPANIES MUST EMPLOY TECHNICIANS CERTIFIED BY CANADIAN FIRE ALARM ASSOCIATION &/OR ONTARIO FIRE MARSHALL, AS APPLICABLE.
- CONTRACTOR TO COORDINATE WITH EXISTING FIRE ALARM PROVIDER FOR WORK REQUIRED WITHIN SCOPE OF WORK.
- REFER TO ARCHITECTURAL DRAWINGS 404 FOR THE SEPARATE PRICE PLAN.

LIGHT LEVEL REQUIREMENT	
ROOM TYPE	TARGET LIGHT LEVEL
CORRIDOR	500LUX (GENERAL LEVEL)
EXAM ROOM	500LUX (GENERAL LEVEL) EXAM MODE : 1000LUX (PATIENT BED LEVEL)
OFFICE	500LUX (TASK LEVEL)
STORAGE AREA	200LUX (GENERAL LEVEL)
WASHROOM	200LUX (GENERAL LEVEL)
STAIR	150LUX (GENERAL LEVEL)

NOTES:
1. CONTRACTOR SHALL SUBMIT THE PHOTOGRAPHIC FOR APPROVAL.

1 LIGHT LEVEL REQUIREMENT
SCALE: N.T.S.

LUMINAIRE SCHEDULE

TYPE	BASE MANUFACTURER (AS SPECIFIED)	CATALOGUE NUMBER	CEILING MOUNTED		WALL MOUNTED		WATTAGE	COLOUR TEMP.	VOLTAGE		REMARKS
			SURFACE RECESSED	SUSPENDED	SURFACE RECESSED	BRACKET			120V	347V	
A1	PEERLESS ELECTRIC	SDL-3-1ACF-14G		•				3500K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
A2	METALUMEN	S6-1LTUN-4-MB-SA-L3-1-T-1-90		•			6.1W/FT	3500K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
A3	LIFESHIELD	OBX-C-14-G-0-S-PCH/OCD-DA-1-9-35-L040-ED-U		•			33W	3500K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
B1	ACOLYTE	CHDACPSWC-RB-90-AC12065				•	311 lm/W	3500K	•		FIXTURE LENGTH AS SHOWN ON LAYOUT COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
B2	CREE	LS4-40L-35K-10V-FD	•				40W	3500K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
C1	PATHFINDER STEP LIGHTING	HNLS-13-3LONG-MVOLT-RED				•		AMBER	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
D1	AMICO LIGHTS CORPS	L-SDM-TW-120-A1E1-LED35 (AMBIENT & EXAM)		•			40W (AMBIENT) 30W (EXAM)	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
D2	AMICO LIGHTS CORPS	L-SDM-TW-120-A1E1-LED35 (AMBIENT ONLY)		•			40W (AMBIENT)	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
D3	PEELESS-ELECTRIC	LFR-4RD-M-15L35K8XW-DM1_LFR-4RD-T-S TUNABLE		•			20.5W	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
D3A	PEELESS-ELECTRIC	SAME AS D3 BUT 2" SIZE		•				TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
D4	AMICO LIGHTS CORPS	L-SKY-4-120-TW-2/2-LVD		•			20.5W	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
L1	PEERLESS-ELECTRIC	SL-14G-40-TW-12R-CT-W-MV		•				TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
L2	LITELINE	TP-1098-TW10-OCKIT-1			•		6W/m	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
L3	AMICO LIGHTS CORPS	L-SDM-120-A1E1-L30-B-G-LVD		•			30W	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
L4	AMICO LIGHTS CORPS	L-SDM-120-A1E1-L30-B-G-LVD		•			30W	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES. 600mm LENGTH ONLY
L5	LITECONTROL	4L-NG-D-08-SOF-C1-2765T-D125-D01-1C-UNV		•			10.2W/FT	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
L6	LITECONTROL	SAME AS L5 BUT 4' LENGTH		•			10.2W/FT	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES. PROVIDE ALL NECESSARY ACCESSORIES, JOINING, HOUSING TO JOIN WITH L7.
L7	LITECONTROL	SAME AS L5 BUT 3' LENGTH		•			10.2W/FT	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES. PROVIDE ALL NECESSARY ACCESSORIES, JOINING, HOUSING TO JOIN WITH L6.
E1	ALPHABET	NU4-RD-20LM-40K-90-20D-CL-BK-BK-120V-DIM10		•			17W	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
E2	ALPHABET	NU4-RD-10LM-40K-90-20D-DL-BK-BK-120V-DIM10		•			9W	4000K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
F2	LITECONTROL	WS2-DW-D-08-SOF-C1-2765T-D030-D01-1C-UNV		•			2.6W/FT	TUNABLE WHITE	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
W1	CURRENT	VPW1-24L-10-3K7-3-UNV-BLT				•	10W	4000K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
W2	LIGMAN LIGHTING	UMV-30002-20W-W30-01-120/277V				•	20W	4000K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.
X1	EMERG-LITE	EA-3-A-ATN		•			2.5W		•		PICTOGRAM EXIT SIGN C/W EXTRUDED ALUMINUM HOUSING AND FACE PLATES AND WHITE LED LIGHT SOURCE. CEILING OR WALL MOUNTED WITH SINGLE OR DOUBLE FACE, WITH OR WITHOUT ARROWS AS SHOWN ON DRAWINGS. COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES. ELECTRICAL TO SUPPLY AND INSTALL LIGHTING FIXTURE AS SPECIFIED BY LANDSCAPE DESIGNER. PLEASE REFER TO LANDSCAPE DRAWING FOR THE DETAILS.
Z1	LANDSCAPE FIXTURE										
BU1	LUMACELL	RGS1082LD1				•	2.5W		•		REMOTE HEAD WITH BUILT-IN 30 MINUTES BATTERY UNIT BU1, 120V AC INPUT, 6V OUTPUT, 108W WATTAGE

- NOTES:
- ALL FINISHES, FLANGE AND PLASTER COLOURS TO BE CONFIRMED WITH ARCHITECT/DESIGNER PRIOR TO ORDERING LUMINAIRES.
 - ALL LUMINAIRES SHALL BE CSA APPROVED.
 - CONTRACTOR TO PROVIDE MOUNTING ACCESSORIES AND HARDWARE TO SUIT CEILING AND WALL FINISHES.
 - PROVIDE APPROVED EQUAL FOR ENGINEER'S REVIEW DURING SHOP DRAWINGS REVIEW.
 - PROVIDE SUITABLE STEP DOWN TRANSFORMER FOR ANY LOW VOLTAGE LIGHTING AS REQUIRED.
 - TUNABLE WHITE COLOR TEMPERATURE RANGE FROM 2700K TO 6500K
 - TUNABLE WHITE FIXTURE CCT SHALL BE CONTROLLED AUTOMATICALLY PER DEFAULT AUTOMATIC CCT CURVE. FIXTURE CCT SHALL BEGIN RAMPING FROM 2700 K STARTING 60 MINUTES BEFORE SUNRISE, COMPLETING THE RAMP UP TO 4000 K 120 MINUTES AFTER SUNRISE. FIXTURE CCT SHALL BEGIN RAMPING DOWN FROM 4000 K 120 MINUTES BEFORE SUNSET, COMPLETING THE RAMP DOWN TO 2700 K 60 MINUTES AFTER SUNSET. THE RAMP UP AND RAMP DOWN SHALL EACH CONSIST OF THE OPTIMAL NUMBER OF DISCRETE STEPS NEEDED TO ACHIEVE THE DEFAULT AUTOMATIC CCT CURVE. EACH FADE DURATION SHALL LAST 15 MINUTES. EXACT SETTING SHALL BE VERIFIED WITH USER BEFORE PROGRAMMING ON SITE.

CLIENT:
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399 Bathurst Street
Toronto ON M5T 2S8
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ARCHITECT:
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

PROJECT STATUS:

NO	DESCRIPTION	DATE
1	Issued for Design/Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
4	Issued for 90% CD	2024.09.08
5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum	2024.10.25
8	Issued for Tender Addendum No.2	2024.11.01

PROJECT:
UHN TWH - Seniors Emergency Medicine Centre
399 Bathurst Street, Toronto ON M5T 2S8
UHN PROJECT NO.: SAP #110022016

TITLE:
GENERAL NOTES AND LUMINAIRES SCHEDULES

PROJECT NO: MRK-23004289
DRAWING NO: E-002
CHECKED: M.S.

GENERAL NOTES:
 1. THIS DRAWING IS FOR REFERENCE ONLY. PLEASE REFER TO ARCHITECTURAL DRAWING A004 FOR EXACT SEPARATE PRICE PLAN.

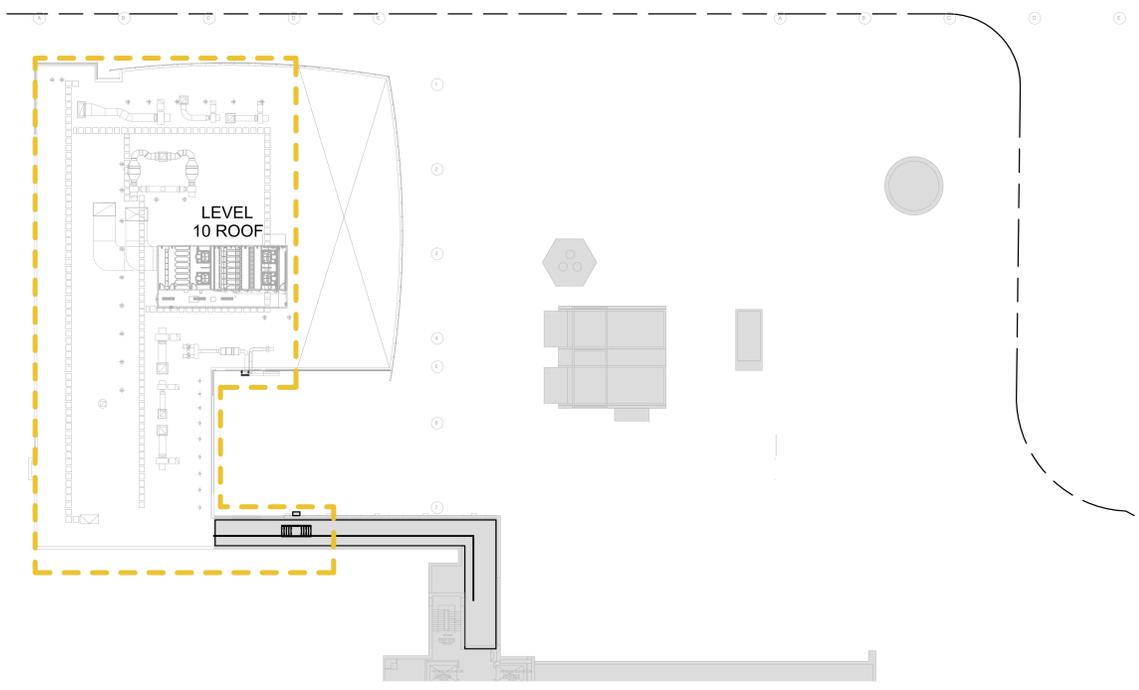
LEGEND - SEPERATE PRICE

- PATIENT TRANSFER
- FELL REMEDIATION WATERPROOFING
- SAI TOUCHDOWN DAY AREA
- BELOW GRADE CRAWL SPACE
- COURTYARD LANDSCAPING - IRRIGATION & SNOW MELT
- SENIORS EMERGENCY MEDICINE CENTRE & CORRIDOR & CHILLER

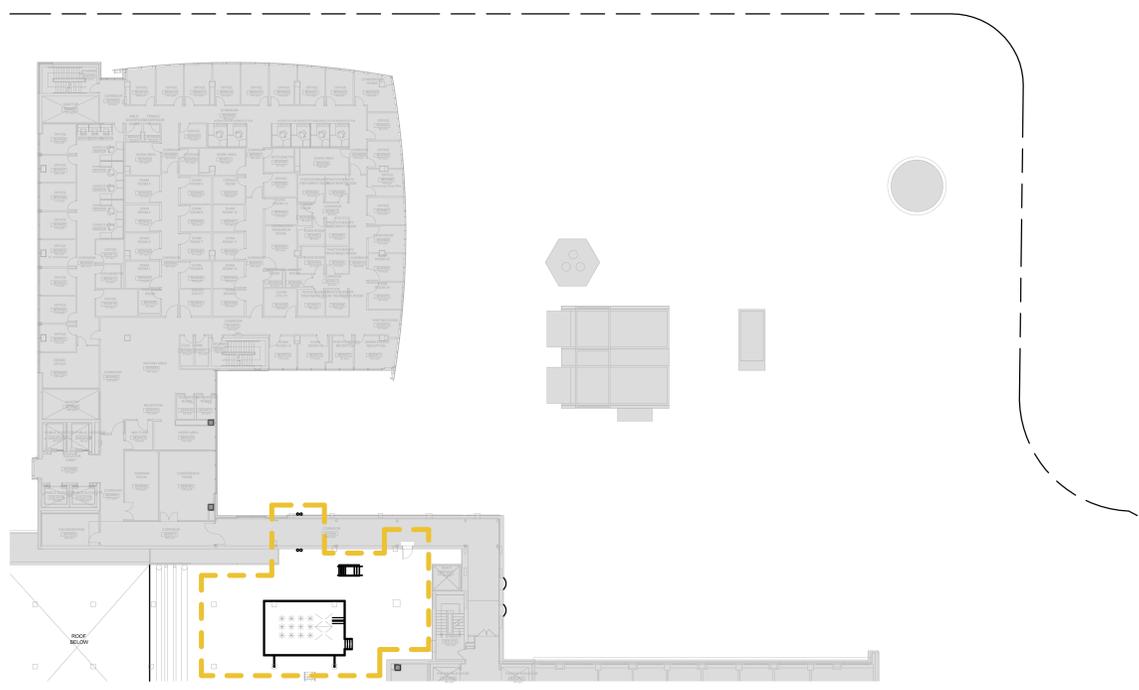
CLIENT:
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ARCHITECT:
 160 Pears Ave. - Suite 300
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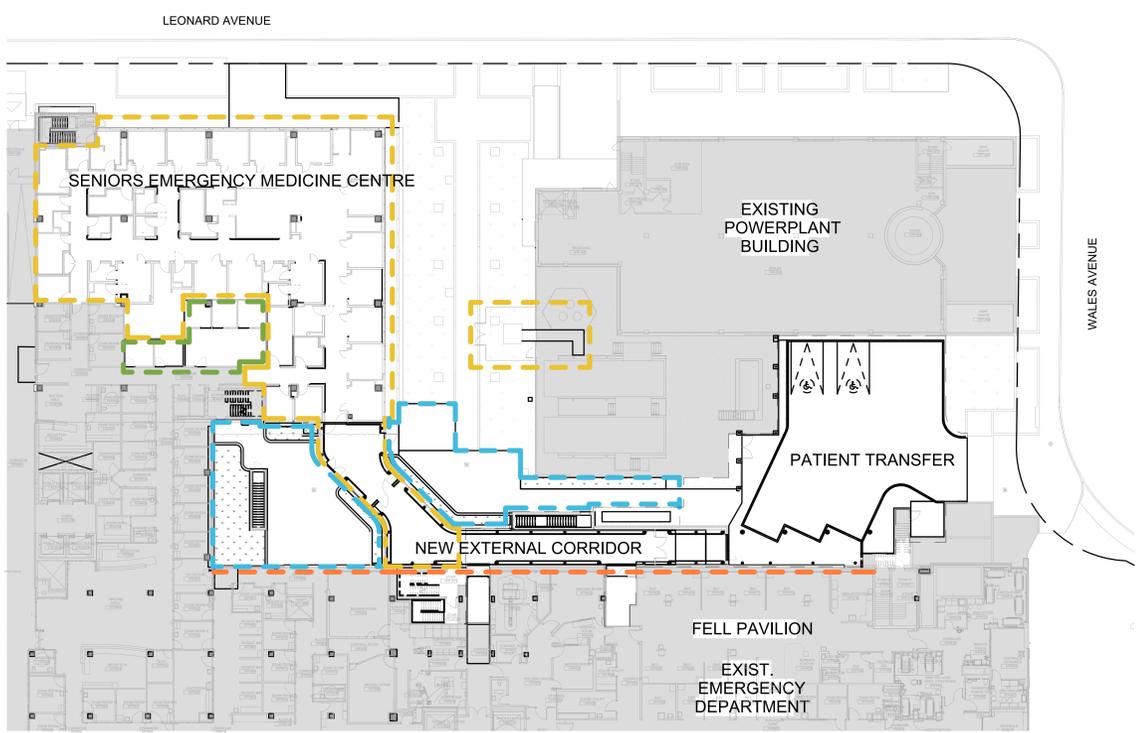
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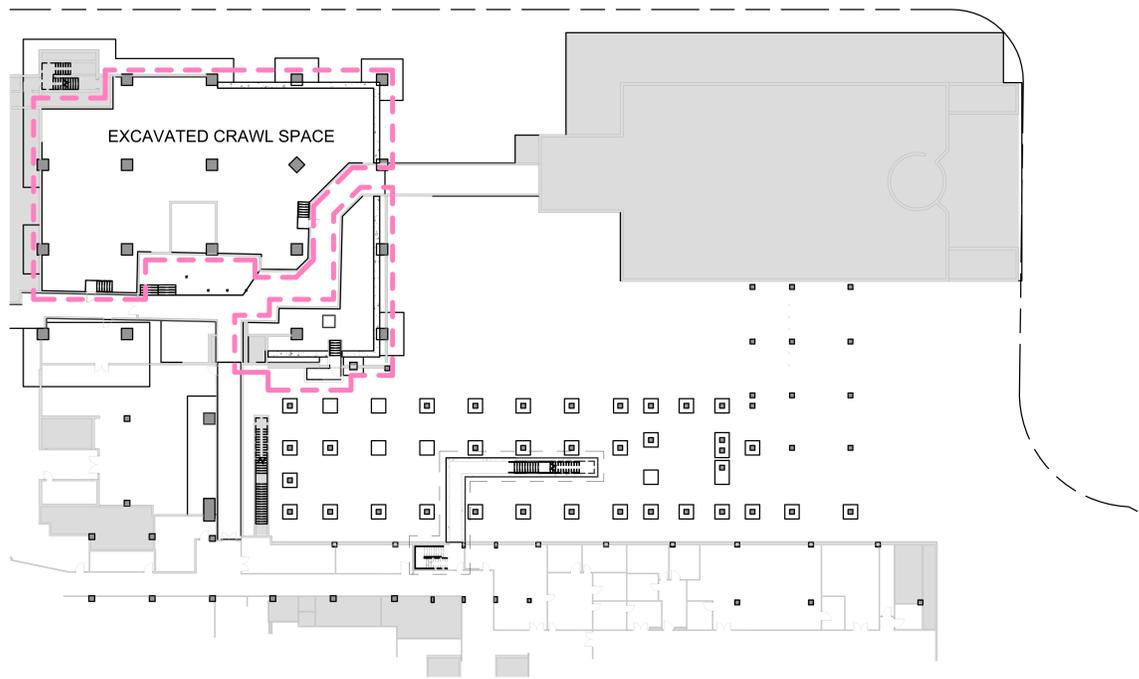
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③ Separate Price - Level 8
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② Separate Price - Level 1
 1:250



① Separate Price - Basement Plan
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PROJECT STATUS:

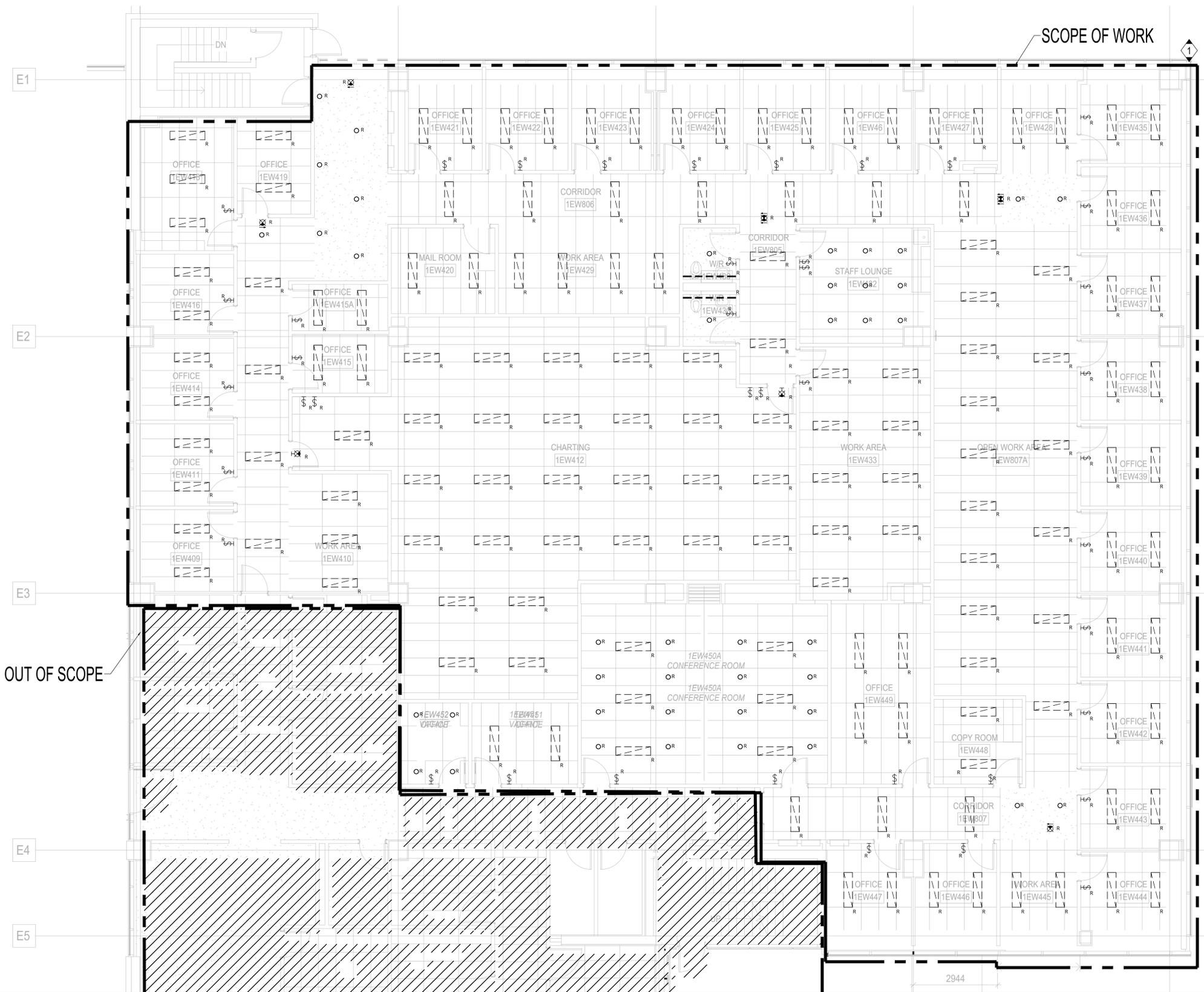
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NO	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
2	Issued for 10% CD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
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5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum	2024.10.25

PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 SEPARATE PRICE PLAN

PROJECT NO: MRK-23004289
 DRAWING NO: E-003
 CHECKED: M.S.



OUT OF SCOPE

SCOPE OF WORK

GENERAL NOTES:

- ALL SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND EXACT LOCATION AND QUANTITY SHALL BE VERIFIED ON-SITE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. ALL AREAS OF CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANT PRIOR TO COMMENCING WORK.
- ALL EQUIPMENT AND DEVICES ON THIS DRAWING ARE EXISTING TO BE DISCONNECTED AND REMOVED OR RELOCATED UNLESS NOTED OTHERWISE. CUT BACK AND REMOVE CONDUIT AND WIRING BACK TO THE SOURCE PANEL. ELECTRICAL CONTRACTOR TO NOTE THAT THE LAYOUTS AND DEVICES SHOWN ARE FROM AS-BUILT DRAWINGS AVAILABLE AT THE TIME OF DRAFTING AND NOT ALL DEVICES ARE SHOWN. ELECTRICAL CONTRACTOR TO SITE VERIFY EXACT QUANTITY OF DEVICES TO BE DEMOLISHED AND PERFORM DEMOLITION WORK ACCORDINGLY.
- FOLLOWING DEMOLITION AND REMOVAL OF EXISTING CEILING, THE CONTRACTOR SHALL REMOVE ALL EXISTING REDUNDANT AND UNUSED LINE VOLTAGE AND LOW VOLTAGE WIRING. EXISTING WIRING THAT IS REQUIRED TO REMAIN IN OPERATION SHALL BE PROPERLY FASTENED/SUSPENDED FROM THE CEILING. ANY EXISTING JUNCTION BOXES WITHOUT COVERS SHALL BE PROVIDED WITH SUITABLE COVER PLATES.
- ELECTRICAL CONTRACTOR TO ENSURE ALL ELECTRICAL LIFE SAFETY SERVICES AND SERVICES FOR EXISTING EQUIPMENT THAT ARE REQUIRED TO REMAIN IN SERVICE SHALL REMAIN OPERATIONAL DURING ENTIRE CONSTRUCTION.
- WHERE EQUIPMENT OR DEVICES ARE REMOVED, CUT BACK AND REMOVE CONDUIT AND WIRING BACK TO SOURCE PANEL.
- WHERE REMOVED EQUIPMENT AFFECTS THE OPERATION OF EXISTING EQUIPMENT TO REMAIN, THE CONTRACTOR SHALL REPLACE/EXTEND BRANCH

- WIRING AS REQUIRED TO ENSURE CONTINUITY OF OPERATION OF REMAINING EQUIPMENT.
- THE CONTRACTOR SHALL BE AWARE THAT NOT ALL EXISTING EQUIPMENT AND DEVICES REQUIRED TO BE REMOVED ARE NECESSARILY INDICATED ON THIS PLAN. THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR REMOVING ALL SUCH EQUIPMENT INCLUDING BUT NOT LIMITED TO WIRING AND CONDUITS AS REQUIRED TO FACILITATE THE COMPLETE DEMOLITION.
- ELECTRICAL CONTRACTOR TO ENGAGE THE BASE BUILDING FIRE ALARM CONTRACTOR FOR ANY FIRE ALARM WORK WITHIN THE SCOPE OF THIS PROJECT.
- SITE VERIFY EXISTING CUT/FLOOR/SLAB CONDUITS. REMOVE ALL CONDUITS AND CABLE BACK TO SOURCE. PROVIDE PROPER SEAL AND GRAND SMOOTH FOR THE OPENINGS.
- FIRE ALARM
- DURING WORK TO THE EXISTING FIRE ALARM SYSTEM THE TIME & DURATION OF INTERRUPTION SHALL BE APPROVED BY THE OWNER & ONLY 1 ZONE SHALL BE INTERRUPTED AT ANY 1 TIME. IN ALL AREAS WHERE THE RENOVATION WORK REQUIRES SHUTDOWN OF ANY PART OF THE FIRE ALARM PROTECTION SYSTEM, PROVIDE MANUAL FIRE ALARM PROTECTION (FIRE WARDEN) BY MEANS OF SUPERVISING THE AREA AS APPROVED BY GOVERNING AUTHORITIES. AT NO TIME SHALL THE FIRE ALARM SYSTEM OR ANY 1 ZONE BE LEFT NON-OPERATIVE OVERNIGHT. PROVIDE ALL REQUIRED BYPASS WIRING & TEMPORARY WIRING AS MAY BE REQUIRED TO MAINTAIN ALL PARTS OF THE FIRE ALARM SYSTEM OPERATIVE DURING CONSTRUCTION & ALTERATIONS.
- ALL EXISTING FIRE ALARM ZONES TO BE MAINTAINED.
- MAINTAIN EXISTING FIRE ALARM SYSTEM, PULL STATIONS, EXIT SIGNS AND EMERGENCY LIGHTS IN FULL OPERATION BEFORE INSTALLATION OF NEW DEVICES. WHERE DISRUPTION TO LIFE SAFETY SYSTEM IS REQUIRED, PROVIDE WORKING MONITORING DURING SHUT DOWN PERIOD AND ENSURE THAT ALL SYSTEMS ARE REACTIVATED PRIOR TO LEAVING THE

- WHEN FIRE ALARM SYSTEM WORK IS COMPLETE & READY FOR ACCEPTANCE, PROVIDE & ARRANGE FOR INDEPENDENT TESTING COMPANY VIEWED AS APPROVED BY THE OWNER. EXISTING FIRE ALARM MAINTENANCE CONTRACTOR TO INSPECT, TEST & CERTIFY EQUIPMENT, INCLUDING NOTIFYING DEVICES, SIGNALING DEVICES, CONTROL DEVICES & WIRING. CONDUIT WORK IN ACCORDANCE WITH LATEST EDITIONS OF CANULC-6358 & 6337. TESTS TO BE CONDUCTED IN PRESENCE OF OWNER & OR CONSULTANT. CERTIFY SYSTEM AND PROVIDE 3 COPIES OF SIGNED VERIFICATION REPORT.
- THE TESTING COMPANIES MUST EMPLOY TECHNICIANS CERTIFIED BY CANADIAN FIRE ALARM ASSOCIATION (CFIA) OR ONTARIO FIRE MARSHAL, AS APPLICABLE.
- LIGHTING
- EXISTING LUMINAIRES, WIRING & CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING LAYOUT. EXACT QUANTITY TO BE CONFIRMED ON-SITE BY ELECTRICAL CONTRACTOR.
- EXISTING LIGHTING SWITCHES, WIRING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED. EXISTING EXIT SIGNAGE, WIRING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED.
- ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON-SITE AND PERFORM DEMOLITION WORK ACCORDINGLY. HATCHED AREA INDICATES EXISTING SERVICES WITHIN THIS SPACE TO REMAIN AS EXISTING AND TO BE OPERATIONAL FOR THE ENTIRE DURATION OF CONSTRUCTION.
- POWER:
- EXISTING POWER OUTLETS, FACEPLATES, BACKBOXES, WIRING AND CONDUITS IF ANY WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED.
- ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND

- ENSURE CIRCUIT INTEGRITY FOR ALL BRANCH CIRCUITS SERVING AREAS OUTSIDE OF SCOPE OF WORK. TRANSFER CIRCUITS TO EXISTING TO BE REMAINED PANELS AS REQUIRED TO KEEP OUT OF SCOPE SERVICES OPERATIONAL.
- IT, COMMUNICATIONS, ACCESS CONTROL, PAGING AND SECURITY:
- EXISTING DATA OUTLETS, JACKS, FACEPLATES, BACKBOXES, HORIZONTAL CABLING, CONDUITS AND ASSOCIATED SUPPORTING WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE IN COMMS ROOM AND DISCARDED.
- WIRELESS ACCESS POINT DEVICES WITHIN SCOPE OF WORK TO BE DISCONNECTED SAFELY AND RETURNED TO OWNER. CONTRACTOR TO CONFIRM EXACT LOCATION AND QUANTITY OF WIRELESS ACCESS POINTS TO BE DEMOLISHED ON-SITE.
- ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON-SITE AND PERFORM DEMOLITION WORK ACCORDINGLY.
- HATCHED AREA INDICATES EXISTING SERVICES WITHIN THIS SPACE TO REMAIN AS EXISTING AND TO BE OPERATIONAL FOR THE ENTIRE DURATION OF CONSTRUCTION.
- EXISTING PAGING SPEAKERS, CABLING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE. PROVIDE ALL NECESSARY TESTING TO ENSURE NOT AFFECTING EXISTING OPERATION OF OTHER FLOORS.
- NURSE CALL
- EXISTING NURSE CALL DEVICES AND ASSOCIATED WIRING, CONDUITS ETC. WITHIN AREA OF DEMOLITION TO BE DISCONNECTED AND REMOVED BACK TO THE SOURCE.
- MASTER CLOCK
- EXISTING MASTER CLOCK DEVICES AND ASSOCIATED WIRING, CONDUITS ETC. WITHIN AREA OF DEMOLITION TO BE DISCONNECTED AND REMOVED BACK TO THE SOURCE.

KEY NOTES:

SCOPE OF WORK AREA. DEVICES THESE AREAS ARE EXISTING TO BE REMOVED REMAIN UNLESS NOTED OTHERWISE.

PROJECT STATUS:

REVISIONS

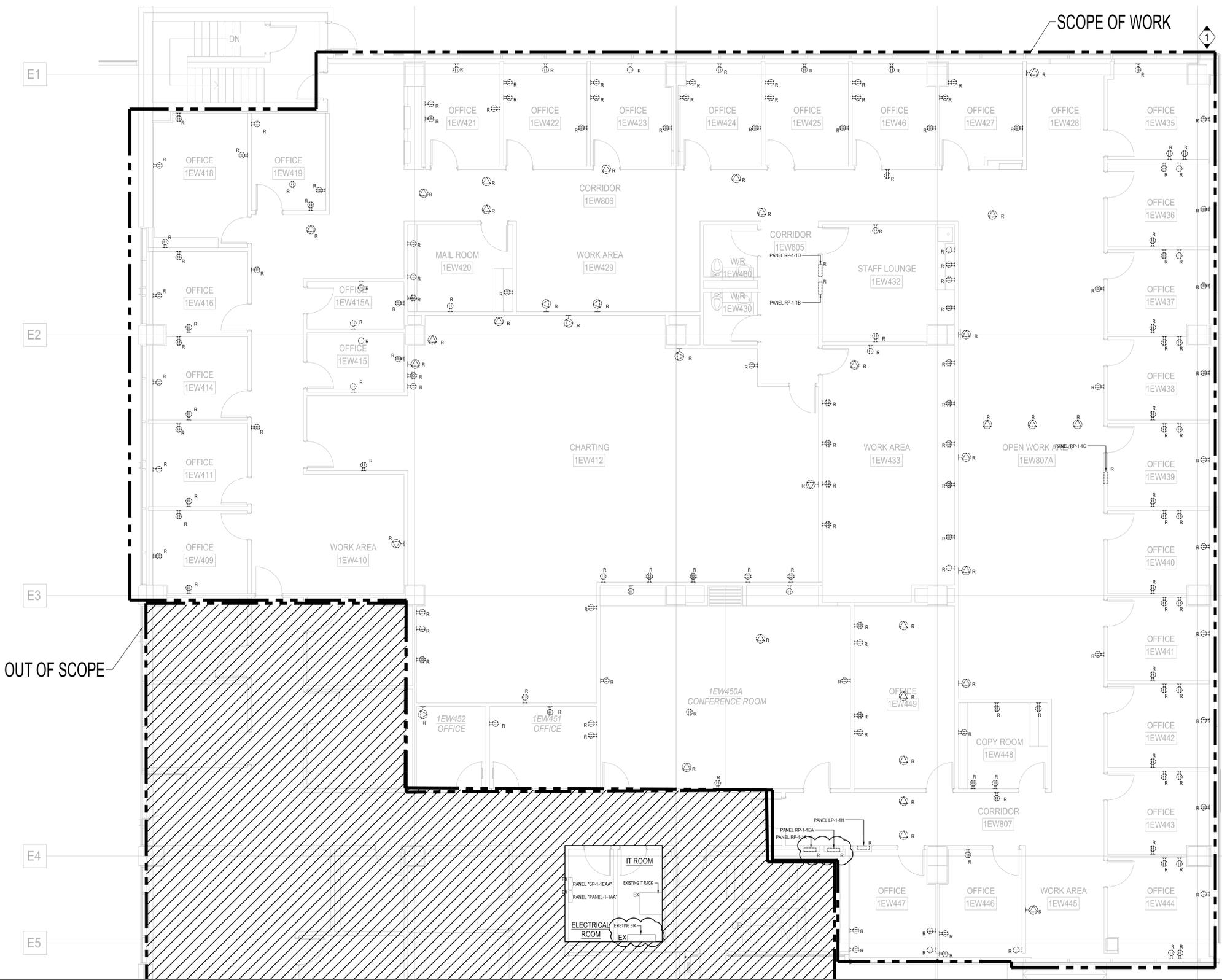
NO	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
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5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11

PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 LEVEL 1 FLOOR PLAN - DEMO - LIGHTING

PROJECT NO:
 MRK-23004289
 CHECKED:
 M.S.

DRAWING NO:
E-101



GENERAL NOTES

- ALL SERVICES SHOWN ARE DIAGNOSTIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND EXACT LOCATION AND QUANTITY SHALL BE VERIFIED ON SITE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. ALL AREAS OF CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANT PRIOR TO COMMENCING WORK.
- ALL EQUIPMENT AND DEVICES ON THIS DRAWING ARE EXISTING TO BE DISCONNECTED AND REMOVED OR RELOCATED UNLESS NOTED OTHERWISE. CUT BACK AND REMOVE CONDUIT AND WIRING BACK TO THE SOURCE PANEL. ELECTRICAL CONTRACTOR TO NOTE THAT THE LAYOUTS AND DEVICES SHOWN ARE FROM AS-BUILT DRAWINGS AVAILABLE AT THE TIME OF DRAFTING AND NOT ALL DEVICES ARE SHOWN. ELECTRICAL CONTRACTOR TO SITE VERIFY EXACT QUANTITY OF DEVICES TO BE DEMOLISHED AND PERFORM DEMOLITION WORK ACCORDINGLY.
- FOLLOWING DEMOLITION AND REMOVAL OF EXISTING CEILING, THE CONTRACTOR SHALL REMOVE ALL EXISTING REFRIGERANT AND UNUSED LINE VOLTAGE AND LOW VOLTAGE WIRING. EXISTING WIRING THAT IS REQUIRED TO REMAIN IN OPERATION SHALL BE PROPERLY FASTENED/SUSPENDED FROM THE CEILING. ANY EXISTING JUNCTION BOXES WITHOUT COVERS SHALL BE PROVIDED WITH SUITABLE COVER PLATES.
- ELECTRICAL CONTRACTOR TO ENSURE ALL ELECTRICAL LIFE SAFETY SERVICES AND SERVICES FOR EXISTING EQUIPMENT THAT ARE REQUIRED TO REMAIN IN SERVICE SHALL REMAIN OPERATIONAL DURING ENTIRE CONSTRUCTION.
- WHERE EQUIPMENT OR DEVICES ARE REMOVED, CUT BACK AND REMOVE CONDUIT AND WIRING BACK TO SOURCE PANEL.
- WHERE REMOVED EQUIPMENT AFFECTS THE OPERATION OF EXISTING EQUIPMENT TO REMAIN, THE CONTRACTOR SHALL REPAIR/EXTEND BRANCH

- WIRING AS REQUIRED TO ENSURE CONTINUITY OF OPERATION OF REMAINING EQUIPMENT.
- THE CONTRACTOR SHALL BE AWARE THAT NOT ALL EXISTING EQUIPMENT AND DEVICES REQUIRED TO BE REMOVED ARE NECESSARILY INDICATED ON THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SUCH EQUIPMENT INCLUDING BUT NOT LIMITED TO WIRING AND CONDUITS AS REQUIRED TO FACILITATE THE COMPLETE DEMOLITION.
- ELECTRICAL CONTRACTOR TO ENGAGE THE BASE BUILDING FIRE ALARM CONTRACTOR FOR ANY FIRE ALARM WORK WITHIN THE SCOPE OF THIS PROJECT.
- SITE VERIFY EXISTING CUTOORSLAB CONDUITS. REMOVE ALL CONDUITS AND CABLE BACK TO SOURCE. PROVIDE PROPER SEAL AND GRAND SMOOTH FOR THE OPENINGS.
- FIRE ALARM
 - DURING WORK TO THE EXISTING FIRE ALARM SYSTEM THE TIME & DURATION OF INTERRUPTION SHALL BE APPROVED BY THE OWNER & ONLY 1 ZONE SHALL BE INTERRUPTED AT ANY 1 TIME. IN ALL AREAS WHERE THE RENOVATION WORK REQUIRES SHUTDOWN OF ANY PART OF THE FIRE ALARM PROTECTION SYSTEM PROVIDE MANUAL FIRE ALARM PROTECTION (FIRE WARDEN) BY MEANS OF SUPERVISING THE AREA AS APPROVED BY GOVERNING AUTHORITIES. AT NO TIME SHALL THE FIRE ALARM SYSTEM OR ANY 1 ZONE BE LEFT INOPERATIVE OVERNIGHT. PROVIDE ALL REQUIRED BYPASS WIRING & TEMPORARY WIRING AS MAY BE REQUIRED TO MAINTAIN ALL PARTS OF THE FIRE ALARM SYSTEM OPERATIVE DURING CONSTRUCTION & ALTERATIONS.
 - ALL EXISTING FIRE ALARM ZONES TO BE MAINTAINED.
 - MAINTAIN EXISTING FIRE ALARM SYSTEM PULL STATIONS, EXIT SIGNS AND EMERGENCY LIGHTS IN FULL OPERATION BEFORE INSTALLATION OF NEW DEVICES. WHERE DISRUPTION TO LIFE SAFETY SYSTEM IS REQUIRED, PROVIDE CONTINUOUS MONITORING DURING SHUT DOWN PERIOD AND ENSURE THAT ALL SYSTEMS ARE REACTIVATED PRIOR TO LEAVING THE

- WHEN FIRE ALARM SYSTEM WORK IS COMPLETE & READY FOR ACCEPTANCE, PROVIDE & ARRANGE FOR INDEPENDENT TESTING COMPANY VENDOR AS APPROVED BY THE OWNER. EXISTING FIRE ALARM MAINTENANCE CONTRACTOR TO INSPECT, TEST & CERTIFY EQUIPMENT INCLUDING INITIATING DEVICES, SIGNALING DEVICES, CONTROL DEVICES & WIRING. CONDUCT WORK IN ACCORDANCE WITH LATEST EDITIONS OF CANULCISON & S307. TESTS TO BE CONDUCTED IN PRESENCE OF OWNER OR CONSULTANT. CERTIFY SYSTEM AND PROVIDE 3 COPIES OF SIGNED VERIFICATION REPORT.
- THE TESTING COMPANIES MUST EMPLOY TECHNICIANS CERTIFIED BY CANADIAN FIRE ALARM ASSOCIATION (CFAA) OR ONWARD FIRE MARSHALL AS APPLICABLE.
- LIGHTING
 - EXISTING LUMINAIRES, WIRING & CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING LAYOUT. EXACT QUANTITY TO BE CONFIRMED ON SITE BY ELECTRICAL CONTRACTOR.
 - EXISTING LIGHTING SWITCHES, WIRING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED.
 - ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON SITE AND PERFORM DEMOLITION WORK ACCORDINGLY.
 - HATCHED AREA INDICATES EXISTING SERVICES WITHIN THIS SPACE TO REMAIN AS EXISTING AND TO BE OPERATIONAL FOR THE ENTIRE DURATION OF CONSTRUCTION.
- POWER
 - EXISTING POWER OUTLETS, FACEPLATES, BACKBOXES, WIRING AND CONDUITS (IF ANY) WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED.
 - ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON SITE AND PERFORM DEMOLITION WORK ACCORDINGLY.

- ENSURE CIRCUIT INTEGRITY FOR ALL BRANCH CIRCUITS SERVING AREAS OUTSIDE OF SCOPE OF WORK. TRANSFER CIRCUITS TO EXISTING TO BE REMAINED PANELS AS REQUIRED TO KEEP OUT OF SCOPE SERVICES OPERATIONAL.
- COMMUNICATIONS, ACCESS CONTROL, PHONO AND SECURITY
 - EXISTING DATA OUTLETS, JACKS, FACEPLATES, BACKBOXES, HORIZONTAL CABLING, CONDUITS AND ASSOCIATED SUPPORTING WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE IN COMMON ROOM AND DISCARDED.
 - WIRELESS ACCESS POINT DEVICES WITHIN SCOPE OF WORK TO BE DISCONNECTED SAFELY AND RETURNED TO OWNER. CONTRACTOR TO CONFIRM EXACT LOCATION AND QUANTITY OF WIRELESS ACCESS POINTS TO BE DEMOLISHED ON SITE.
 - ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON SITE AND PERFORM DEMOLITION WORK ACCORDINGLY. HATCHED AREA INDICATES EXISTING SERVICES WITHIN THIS SPACE TO REMAIN AS EXISTING AND TO BE OPERATIONAL FOR THE ENTIRE DURATION OF CONSTRUCTION.
 - EXISTING PAGING SPEAKERS, CABLING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE. PROVIDE ALL NECESSARY TESTING TO ENSURE NOT AFFECTING EXISTING OPERATION OF OTHER FLOORS.
 - NURSE CALL
 - EXISTING NURSE CALL DEVICES AND ASSOCIATED WIRING, CONDUITS ETC. WITHIN AREA OF DEMOLITION TO BE DISCONNECTED AND REMOVED BACK TO THE SOURCE.
 - MASTER CLOCK
 - EXISTING MASTER CLOCK DEVICES AND ASSOCIATED WIRING, CONDUITS ETC. WITHIN AREA OF DEMOLITION TO BE DISCONNECTED AND REMOVED BACK TO THE SOURCE.

KEY NOTES

- SCOPE OF WORK AREA. DEVICES THESE AREAS ARE EXISTING TO BE REMOVED UNLESS NOTED OTHERWISE.

PROJECT STATUS:

REVISIONS

NO	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
4	Issued for 90% CD	2024.09.06
5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum No.4	2024.11.12

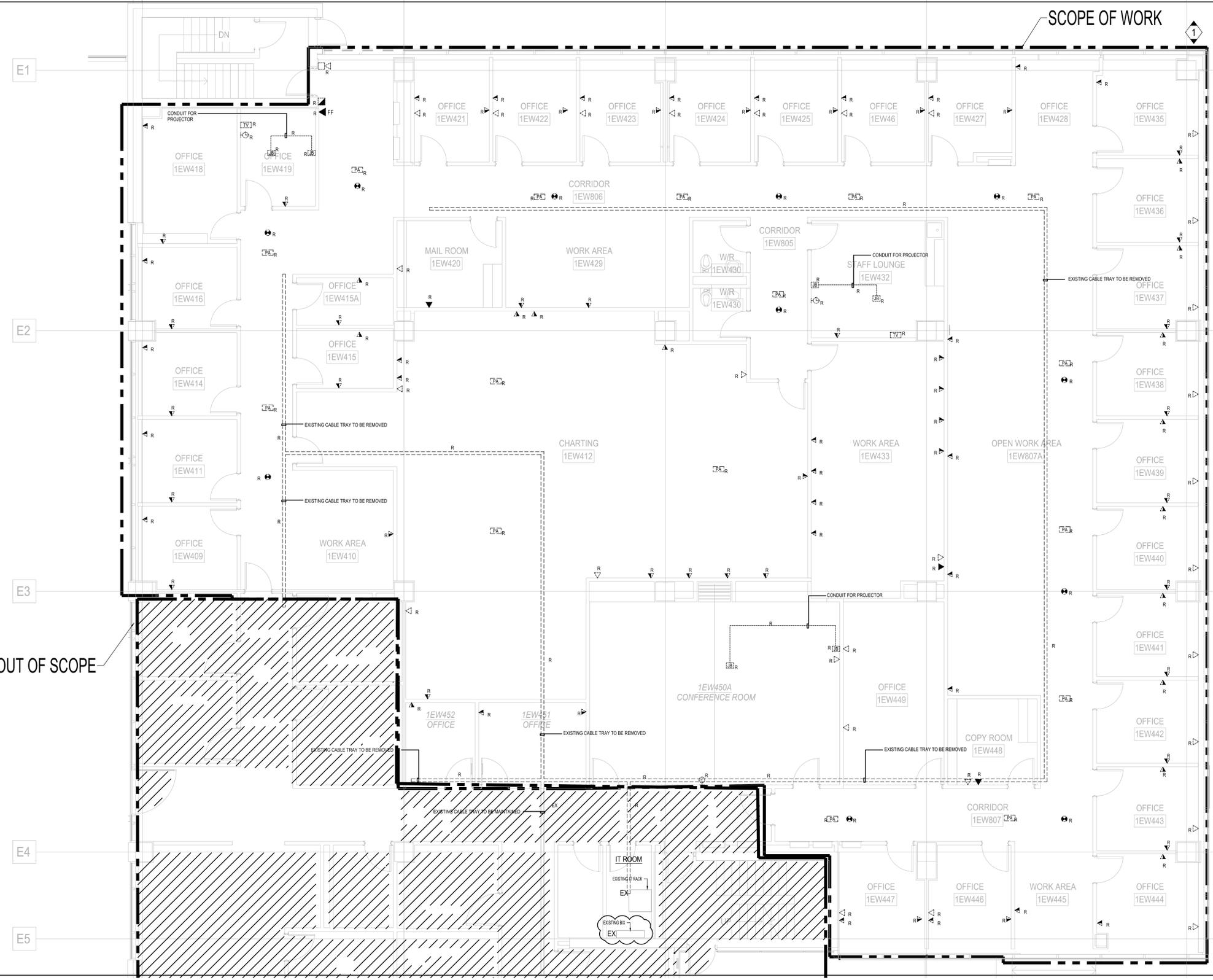
PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO. : SAP #110022016

TITLE:
 LEVEL 1 FLOOR PLAN - DEMO - ELECTRICAL

PROJECT NO:
 MRK-23004289

DRAWING NO:
E-102

CHECKED:
 M.S.



OUT OF SCOPE

SCOPE OF WORK

GENERAL NOTES:

1. ALL SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND EXACT LOCATION AND QUANTITY SHALL BE VERIFIED ON-SITE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. ALL AREAS OF CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANT PRIOR TO COMMENCING WORK.
3. ALL EQUIPMENT AND DEVICES ON THIS DRAWING ARE EXISTING TO BE DISCONNECTED AND REMOVED OR RELOCATED UNLESS NOTED OTHERWISE CUT BACK AND REMOVE CONDUIT AND WIRING BACK TO THE SOURCE PANEL. ELECTRICAL CONTRACTOR TO NOTE THAT THE LAYOUTS AND DEVICES SHOWN ARE FROM AS-BUILT DRAWINGS AVAILABLE AT THE TIME OF DRAFTING AND NOT ALL DEVICES ARE SHOWN. ELECTRICAL CONTRACTOR TO SITE VERIFY EXACT QUANTITY OF DEVICES TO BE DEMOLISHED AND PERFORM DEMOLITION WORK ACCORDINGLY.
4. FOLLOWING DEMOLITION AND REMOVAL OF EXISTING CEILING, THE CONTRACTOR SHALL REMOVE ALL EXISTING REDUNDANT AND UNUSED LINE VOLTAGE AND LOW VOLTAGE WIRING EXISTING WIRING THAT IS REQUIRED TO REMAIN IN OPERATION SHALL BE PROPERLY FASTENED/SUSPENDED FROM THE CEILING. ANY EXISTING JUNCTION BOXES WITHOUT COVERS SHALL BE PROVIDED WITH SUITABLE COVER PLATES.
5. ELECTRICAL CONTRACTOR TO ENSURE ALL ELECTRICAL, LIFE SAFETY SERVICES AND SERVICES FOR EXISTING EQUIPMENT THAT ARE REQUIRED TO REMAIN IN SERVICE SHALL REMAIN OPERATIONAL DURING ENTIRE CONSTRUCTION.
6. WHERE EQUIPMENT OR DEVICES ARE REMOVED, CUT BACK AND REMOVE CONDUIT AND WIRING BACK TO SOURCE PANEL.
7. WHERE REMOVED EQUIPMENT AFFECTS THE OPERATION OF EXISTING EQUIPMENT TO REMAIN, THE CONTRACTOR SHALL RELOCATE/RE-RUN BRANCH

8. THE CONTRACTOR SHALL BE AWARE THAT NOT ALL EXISTING EQUIPMENT AND DEVICES REQUIRED TO BE REMOVED ARE NECESSARILY INDICATED ON THIS PLAN. THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR REMOVING ALL SUCH EQUIPMENT INCLUDING BUT NOT LIMITED TO WIRING AND CONDUITS AS REQUIRED TO FACILITATE THE COMPLETE DEMOLITION.
9. ELECTRICAL CONTRACTOR TO ENGAGE THE BASE BUILDING FIRE ALARM CONTRACTOR FOR ANY FIRE ALARM WORK WITHIN THE SCOPE OF THIS PROJECT.
10. SITE VERIFY EXISTING OUT/FLOOR/SLAB CONDUITS. REMOVE ALL CONDUITS AND CABLE BACK TO SOURCE. PROVIDE PROPER SEAL AND GRAND SMOOTH FOR THE OPENING.
11. FIRE ALARM DURING WORK TO THE EXISTING FIRE ALARM SYSTEM THE TIME & DURATION OF INTERRUPTION SHALL BE APPROVED BY THE OWNER & ONLY 1 ZONE SHALL BE INTERRUPTED AT ANY 1 TIME. IN ALL AREAS WHERE THE RENOVATION WORK REQUIRES SHUTDOWN OF ANY PART OF THE FIRE ALARM PROTECTION SYSTEM, PROVIDE MANUAL FIRE ALARM PROTECTION (FIRE WARDEN) BY MEANS OF SUPERVISING THE AREA AS APPROVED BY GOVERNING AUTHORITIES. AT NO TIME SHALL THE FIRE ALARM SYSTEM OR ANY 1 ZONE BE LEFT INOPERATIVE OVERNIGHT. PROVIDE ALL REQUIRED BYPASS WIRING & TEMPORARY WIRING AS APPROVED BY GOVERNING AUTHORITIES. AT NO TIME SHALL THE FIRE ALARM SYSTEM OPERATIVE DURING CONSTRUCTION & ALTERATIONS.
12. MAINTAIN EXISTING FIRE ALARM ZONES TO BE MAINTAINED.
13. MAINTAIN EXISTING FIRE ALARM SYSTEM PULL STATIONS, EXIT SIGNS AND EMERGENCY LIGHTS IN FULL OPERATION BEFORE INSTALLATION OF NEW DEVICES. WHERE DISRUPTION TO LIFE SAFETY SYSTEM ARE REQUIRED, PROVIDE CONTINUOUS MONITORING DURING SHUT DOWN PERIOD AND ENSURE THAT ALL SYSTEMS ARE REACTIVATED PRIOR TO LEAVING THE

14. WHEN FIRE ALARM SYSTEM WORK IS COMPLETE & READY FOR ACCEPTANCE, PROVIDE & ARRANGE FOR INDEPENDENT TESTING COMPANY (WPOD) AS APPROVED BY THE OWNER. EXISTING FIRE ALARM MAINTENANCE CONTRACTOR TO INSPECT, TEST & CERTIFY EQUIPMENT INCLUDING INITIATING DEVICES, SIGNALING DEVICES, CONTROL DEVICES & WIRING. CONDUCT WORK IN ACCORDANCE WITH LATEST EDITIONS OF CANULC 598 & 597. TESTS TO BE CONDUCTED IN PRESENCE OF OWNER & OR CONSULTANT. CERTIFY SYSTEM AND PROVIDE 3 COPIES OF SIGNED CERTIFICATION REPORT.
15. THE TESTING COMPANIES MUST EMPLOY TECHNICIANS CERTIFIED BY CANADIAN FIRE ALARM ASSOCIATION (CFAA) OR ONTARIO FIRE MARSHAL, AS APPLICABLE.
16. LIGHTING EXISTING LUMINAIRES, WIRING & CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING LAYOUT. EXACT QUANTITY TO BE CONFIRMED ON-SITE BY ELECTRICAL CONTRACTOR.
17. EXISTING LIGHTING SWITCHES, WIRING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED. EXISTING EXIT SIGNAGE, WIRING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED.
18. ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON-SITE AND PERFORM DEMOLITION WORK ACCORDINGLY. HATCHED AREA INDICATES EXISTING SERVICES WITHIN THIS SPACE TO REMAIN AS EXISTING AND TO BE OPERATIONAL FOR THE ENTIRE DURATION OF CONSTRUCTION.
19. POWER EXISTING POWER OUTLETS, FACEPLATES, BACKBOXES, WIRING AND CONDUITS (IF ANY) WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE AND DISCARDED.
20. ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON-SITE AND PERFORM DEMOLITION WORK ACCORDINGLY.

21. ENSURE CIRCUIT INTEGRITY FOR ALL BRANCH CIRCUITS SERVING AREAS OUTSIDE OF SCOPE OF WORK. TRANSFER CIRCUITS TO EXISTING TO BE REMAINED PANELS AS REQUIRED TO KEEP OUT OF SCOPE SERVICES OPERATIONAL.
22. COMMUNICATIONS, ACCESS CONTROL, PAGING AND SECURITY EXISTING DATA OUTLETS, JACKS, FACEPLATES, BACKBOXES, HORIZONTAL CABLING, CONDUITS AND ASSOCIATED SUPPORTING WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE IN COMMON ROOM (1EM402) AND DISCARDED.
23. WIRELESS ACCESS POINT DEVICES WITHIN SCOPE OF WORK TO BE DISCONNECTED SAFELY AND RETURNED TO OWNER. CONTRACTOR TO CONFIRM EXACT LOCATION AND QUANTITY OF WIRELESS ACCESS POINTS TO BE DEMOLISHED ON-SITE.
24. ELECTRICAL CONTRACTOR TO VERIFY ALL THE DEVICE LOCATION AND QUANTITY ON-SITE AND PERFORM DEMOLITION WORK ACCORDINGLY. HATCHED AREA INDICATES EXISTING SERVICES WITHIN THIS SPACE TO REMAIN AS EXISTING AND TO BE OPERATIONAL FOR THE ENTIRE DURATION OF CONSTRUCTION.
25. EXISTING PAGING SPEAKERS, CABLING AND CONDUITS WITHIN AREA OF DEMOLITION TO BE REMOVED BACK TO THE SOURCE. PROVIDE ALL NECESSARY TESTING TO ENSURE NOT AFFECTING EXISTING OPERATION OF OTHER FLOORS.
26. NURSE CALL EXISTING NURSE CALL DEVICES AND ASSOCIATED WIRING, CONDUITS ETC. WITHIN AREA OF DEMOLITION TO BE DISCONNECTED AND REMOVED BACK TO THE SOURCE.
27. MASTER CLOCK EXISTING MASTER CLOCK DEVICES AND ASSOCIATED WIRING, CONDUITS ETC. WITHIN AREA OF DEMOLITION TO BE DISCONNECTED AND REMOVED BACK TO THE SOURCE.

KEY NOTES:

◊ SCOPE OF WORK AREA, DEVICES THESE AREAS ARE EXISTING TO BE REMOVED UNLESS NOTED OTHERWISE.

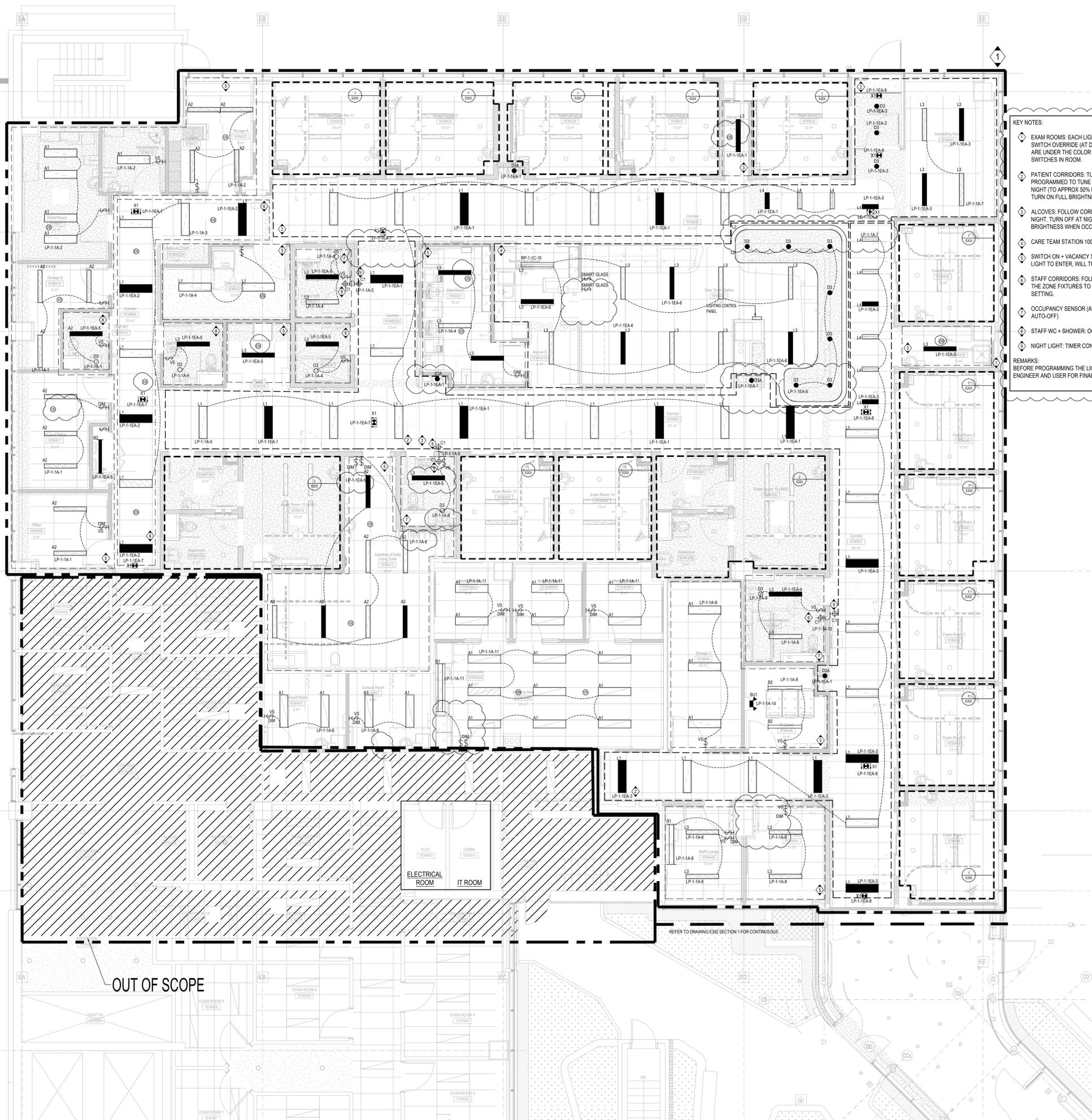
PROJECT STATUS:

NO	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.09.02
4	Issued for 100% CD	2024.09.06
5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum	2024.10.25
8	Issued for Tender Addendum No.4	2024.11.12

PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
LEVEL 1 FLOOR PLAN - DEMO - POWER SYSTEM

PROJECT NO: MRK-23004289
 DRAWING NO: **E-103**
 CHECKED: M.S.



KEY NOTES:

- 1 EXAM ROOMS: EACH LIGHTING ZONE FOR EXAM ROOM, TUNABLE WHITE WITH LIGHT SWITCH OVERRIDE (AT DOORWAY AND HEAD WALL), CORRIDORS AND EXAM ROOM ARE UNDER THE COLOR TEMPERATURE AND DIMMING LEVEL UNLESS OVERRIDE BY SWITCHES IN ROOM.
- 2 PATIENT CORRIDORS: TUNABLE WHITE DIMMER AND WARMER IN PM, BRIGHTER IN AM. PROGRAMMED TO TUNE LIGHT THROUGHOUT THE DAY AND DIM AUTOMATICALLY AT NIGHT (TO APPROX 50% BRIGHTNESS). STAFF HAVE CONTROL AT CARE STATION TO TURN ON FULL BRIGHTNESS AT ANY TIME.
- 3 ALCOVES: FOLLOW CORRIDOR BRIGHTNESS AND COLOR TEMPERATURE UNTIL AT NIGHT. TURN OFF AT NIGHT AND BE ABLE TO BRING THE FIXTURES TO 75% BRIGHTNESS WHEN OCCUPANCY SENSOR IS ACTIVATED.
- 4 CARE TEAM STATION 100% BRIGHTNESS WITH DIMMABLE CONTROLS
- 5 SWITCH ON + VACANCY SENSOR, 100% BRIGHTNESS I.E. STAFF WILL NEED TO TURN ON LIGHT TO ENTER, WILL TURN OFF AUTOMATICALLY WHEN EMPTY
- 6 STAFF CORRIDORS: FOLLOW CORRIDOR SETTING AND SENSOR BE ABLE TO BRING THE ZONE FIXTURES TO 75% OUTPUT FOR 5 MINUTES AND BACK TO CORRIDOR SETTING
- 7 OCCUPANCY SENSOR (AUTO ON WHEN DOOR IS OPENED, 30-MINUTE TIMER AUTO-OFF)
- 8 STAFF WC + SHOWER: OCCUPANCY SENSOR (AUTO ON, 30-MINUTE TIMER AUTO-OFF)
- 9 NIGHT LIGHT: TIMER CONTROL, SUNSET TO SUNRISE

REMARKS:
 BEFORE PROGRAMMING THE LIGHTING SCENES ON-SITE, CONTRACTOR SHALL VERIFY WITH ENGINEER AND USER FOR FINAL SETTING AND SUIT WITHOUT COST IMPLICATION.

OUT OF SCOPE

ELECTRICAL ROOM
 IT ROOM

REFER TO DRAWING E302 SECTION 1 FOR CONTINUOUS

PROJECT STATUS:

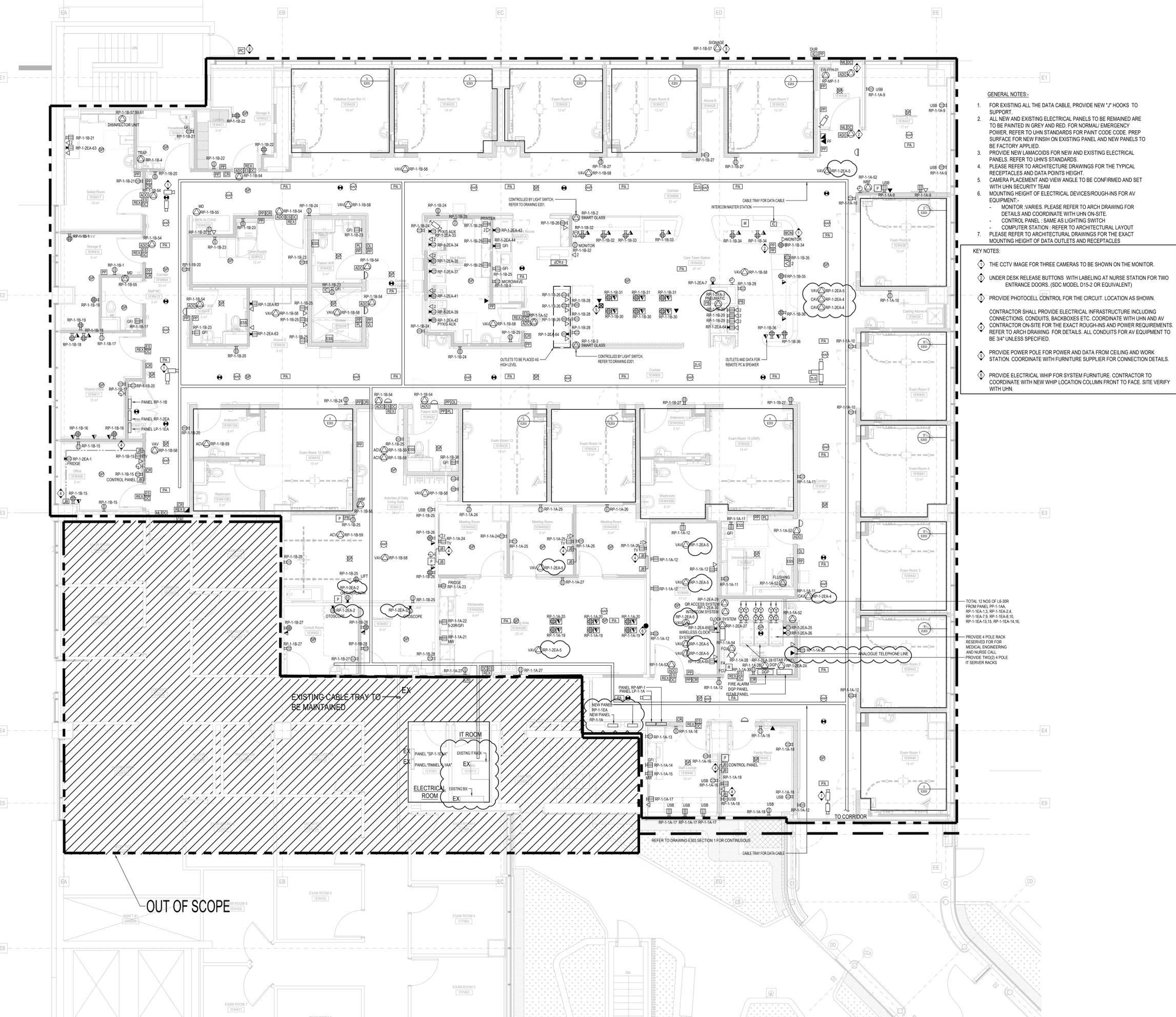
REVISIONS

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1	Issued for Design Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
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6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum	2024.10.25
8	Issued for Tender Addendum No 2	2024.11.01

PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 LEVEL 1 FLOOR PLAN - NEW WORK -
 LIGHTING LAYOUT

PROJECT NO: MIRK-23004289
 DRAWING NO: E-201
 CHECKED: M.S.



- GENERAL NOTES:**
- FOR EXISTING ALL THE DATA CABLE, PROVIDE NEW 'J' HOOKS TO SUPPORT.
 - ALL NEW AND EXISTING ELECTRICAL PANELS TO BE REMAINED ARE TO BE PAINTED IN GREY AND RED. FOR NORMAL/ EMERGENCY POWER. REFER TO UHN STANDARDS FOR PAINT CODE. PREP SURFACE FOR NEW FINISH ON EXISTING PANEL AND NEW PANELS TO BE FACTORY APPLIED.
 - PROVIDE NEW LAMACCORDS FOR NEW AND EXISTING ELECTRICAL PANELS. REFER TO UHN'S STANDARDS.
 - PLEASE REFER TO ARCHITECTURE DRAWINGS FOR THE TYPICAL RECEPTACLES AND DATA POINTS HEIGHT.
 - CAMERA PLACEMENT AND VIEW ANGLE TO BE CONFIRMED AND SET WITH UHN SECURITY TEAM
 - MOUNTING HEIGHT OF ELECTRICAL DEVICES/ROUGH-INS FOR AV EQUIPMENT:
 - MONITOR: VARIES. PLEASE REFER TO ARCH DRAWING FOR DETAILS AND COORDINATE WITH UHN ON-SITE.
 - CONTROL PANEL: SAME AS LIGHTING SWITCH
 - COMPUTER STATION: REFER TO ARCHITECTURAL LAYOUT
 - PLEASE REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT MOUNTING HEIGHT OF DATA OUTLETS AND RECEPTACLES

- KEY NOTES:**
- THE CCTV IMAGE FOR THREE CAMERAS TO BE SHOWN ON THE MONITOR.
 - UNDER DESK RELEASE BUTTONS WITH LABELING AT NURSE STATION FOR TWO ENTRANCE DOORS. (SDC MODEL D15-2 OR EQUIVALENT)
 - PROVIDE PHOTOCCELL CONTROL FOR THE CIRCUIT. LOCATION AS SHOWN.
 - CONTRACTOR SHALL PROVIDE ELECTRICAL INFRASTRUCTURE INCLUDING CONNECTIONS, CONDUITS, BACKBOXES ETC. COORDINATE WITH UHN AND AV CONTRACTOR ON-SITE FOR THE EXACT ROUGH-INS AND POWER REQUIREMENTS. REFER TO ARCH DRAWING FOR DETAILS. ALL CONDUITS FOR AV EQUIPMENT TO BE 3/4" UNLESS SPECIFIED.
 - PROVIDE POWER POLE FOR POWER AND DATA FROM CEILING AND WORK STATION. COORDINATE WITH FURNITURE SUPPLIER FOR CONNECTION DETAILS.
 - PROVIDE ELECTRICAL WHIP FOR SYSTEM FURNITURE. CONTRACTOR TO COORDINATE WITH NEW WHIP LOCATION COLUMN FRONT TO FACE. SITE VERIFY WITH UHN.

TOTAL 12 NOS OF I-6-30R FROM PANEL RP-1-1A-A, RP-1-1A-1, RP-1-1A-2, RP-1-1A-2.4, RP-1-1A-7.8, RP-1-1A-8, 10, RP-1-1A-13, 15, RP-1-1A-16, 16.

PROVIDE 4 POLE RACK RESERVED FOR MEDICAL ENGINEERING AND NURSE CALL. PROVIDE TWO(2) 4 POLE IT SERVER RACKS

OUT OF SCOPE

EXISTING CABLE TRAY TO BE MAINTAINED

IT ROOM
 ELECTRICAL ROOM

REFER TO DRAWING E303 SECTION 1 FOR CONTINUOUS

PROJECT STATUS:

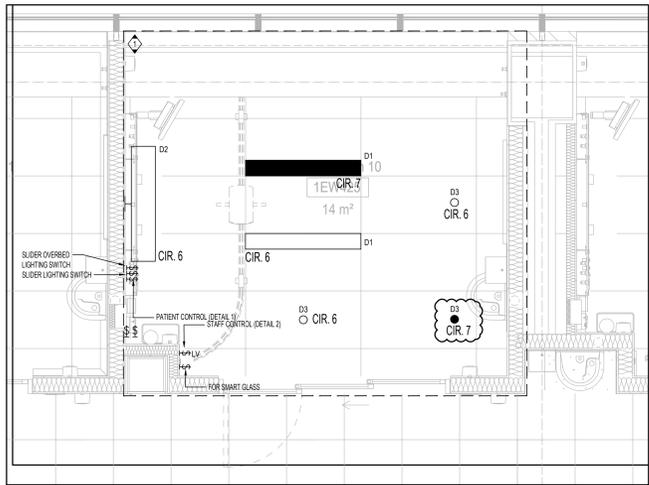
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7	Issued for Tender Addendum	2024.10.25
8	Issued for Tender Addendum No.4	2024.11.12

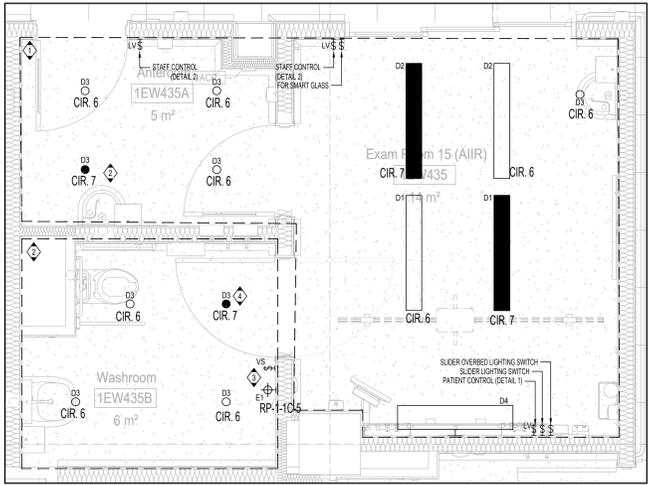
PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 LEVEL 1 FLOOR PLAN - NEW WORK - ELECTRICAL AND POWER SYSTEMS

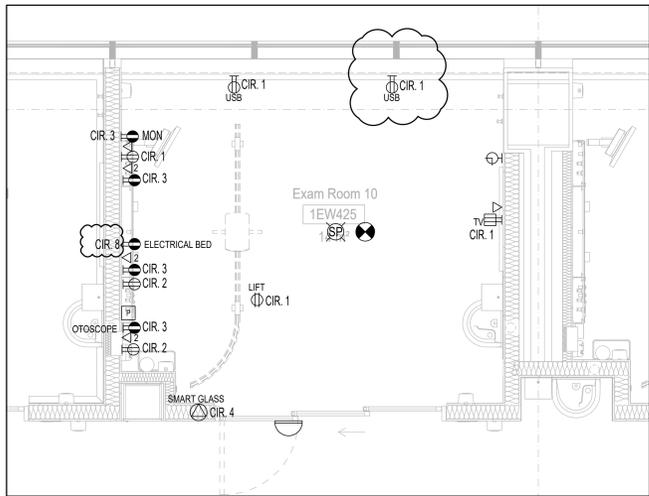
PROJECT NO: MRK-23004289
 DRAWING NO: E-202
 CHECKED: M.S.



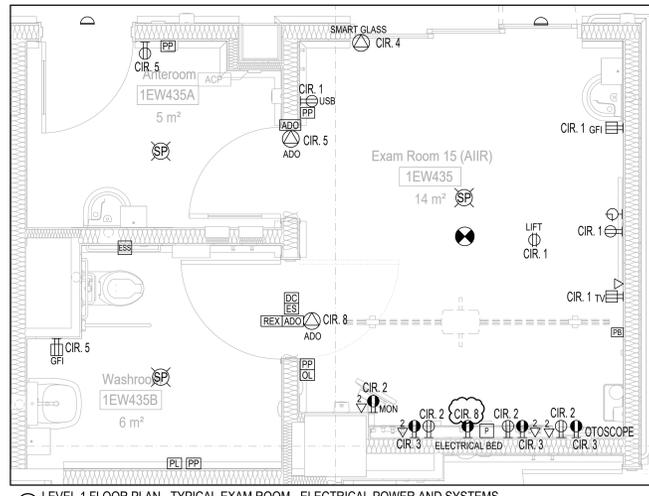
1 LEVEL 1 FLOOR PLAN - TYPICAL EXAM ROOM - LIGHTING
 1:25



2 LEVEL 1 FLOOR PLAN - TYPICAL EXAM ROOM - LIGHTING
 1:25



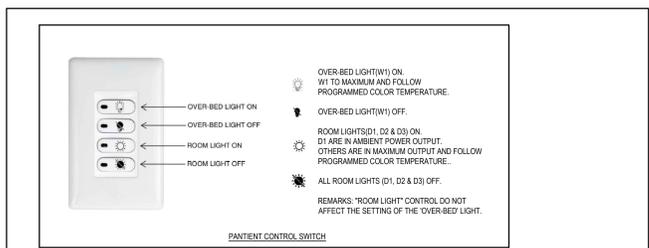
3 LEVEL 1 FLOOR PLAN - TYPICAL EXAM ROOM - ELECTRICAL POWER AND SYSTEMS
 1:25



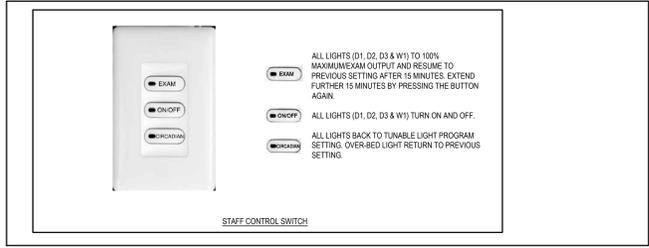
4 LEVEL 1 FLOOR PLAN - TYPICAL EXAM ROOM - ELECTRICAL POWER AND SYSTEMS
 1:25

- KEY NOTES:
- 1 LIGHTING CONTROL - TUNABLE WHITE WITH LIGHT SWITCH OVERRIDE (AT DOORWAY AND HEAD WALL)
 - 2 LIGHTING CONTROL - OCCUPANCY SENSOR (AUTO ON, 30-MINUTE TIMER AUTO-OFF)
 - 3 LIGHTING CONTROL - NIGHT LIGHT; TIMER CONTROL; SUNSET TO SUNRISE
 - 4 PROVIDE UL-924 RELAY FOR EMERGENCY LIGHTING.

	CIR.1	CIR.2	CIR.3	CIR.4	CIR.5	CIR.6	CIR.7	CIR.8
EXAM ROOM 1	RP-1-B-38	RP-1-B-46	RP-1-2EA-9	RP-1-B-49		LP-1-A-23	LP-1-EA-9	RP-1-2EA-9
EXAM ROOM 2	RP-1-B-40	RP-1-B-46	RP-1-2EA-9	RP-1-B-49		LP-1-A-23	LP-1-EA-9	RP-1-2EA-9
EXAM ROOM 3	RP-1-B-42	RP-1-B-47	RP-1-2EA-10	RP-1-B-49		LP-1-A-23	LP-1-EA-9	RP-1-2EA-10
EXAM ROOM 4	RP-1-B-43	RP-1-B-47	RP-1-2EA-10	RP-1-B-49		LP-1-A-24	LP-1-EA-10	RP-1-2EA-10
EXAM ROOM 5	RP-1-B-44	RP-1-B-48	RP-1-2EA-11	RP-1-B-49		LP-1-A-24	LP-1-EA-10	RP-1-2EA-11
EXAM ROOM 6	RP-1-B-45	RP-1-B-48	RP-1-2EA-11	RP-1-B-49		LP-1-A-24	LP-1-EA-10	RP-1-2EA-11
EXAM ROOM 7	RP-1-C-41	RP-1-C-50	RP-1-2EA-6	RP-1-C-50		LP-1-A-25	LP-1-EA-11	RP-1-2EA-6
EXAM ROOM 8	RP-1-C-42	RP-1-C-50	RP-1-2EA-6	RP-1-C-50		LP-1-A-25	LP-1-EA-11	RP-1-2EA-6
EXAM ROOM 9	RP-1-C-43	RP-1-C-51	RP-1-2EA-6	RP-1-C-50		LP-1-A-25	LP-1-EA-11	RP-1-2EA-6
EXAM ROOM 10	RP-1-C-44	RP-1-C-51	RP-1-2EA-4	RP-1-C-50		LP-1-A-26	LP-1-EA-12	RP-1-2EA-4
EXAM ROOM 11	RP-1-C-45	RP-1-C-52	RP-1-2EA-47	RP-1-C-51		LP-1-A-26	LP-1-EA-12	RP-1-2EA-52
EXAM ROOM 12 (AIR ROOM)	RP-1-C-46	RP-1-C-52	RP-1-2EA-47	RP-1-C-51	RP-1-C-52	LP-1-A-26	LP-1-EA-12	RP-1-2EA-52
EXAM ROOM 13	RP-1-C-47	RP-1-C-53	RP-1-2EA-48	RP-1-C-51		LP-1-A-27	LP-1-EA-13	RP-1-2EA-53
EXAM ROOM 14	RP-1-C-48	RP-1-C-53	RP-1-2EA-48	RP-1-C-51		LP-1-A-27	LP-1-EA-13	RP-1-2EA-53
EXAM ROOM 15 (AIR ROOM)	RP-1-C-49	RP-1-C-54	RP-1-2EA-9	RP-1-C-51	RP-1-C-53	LP-1-A-27	LP-1-EA-13	RP-1-2EA-54



5 DETAIL 1 - LIGHTING SWITCH
 N.T.S.



6 DETAIL 2 - LIGHTING SWITCH
 N.T.S.

PROJECT STATUS:

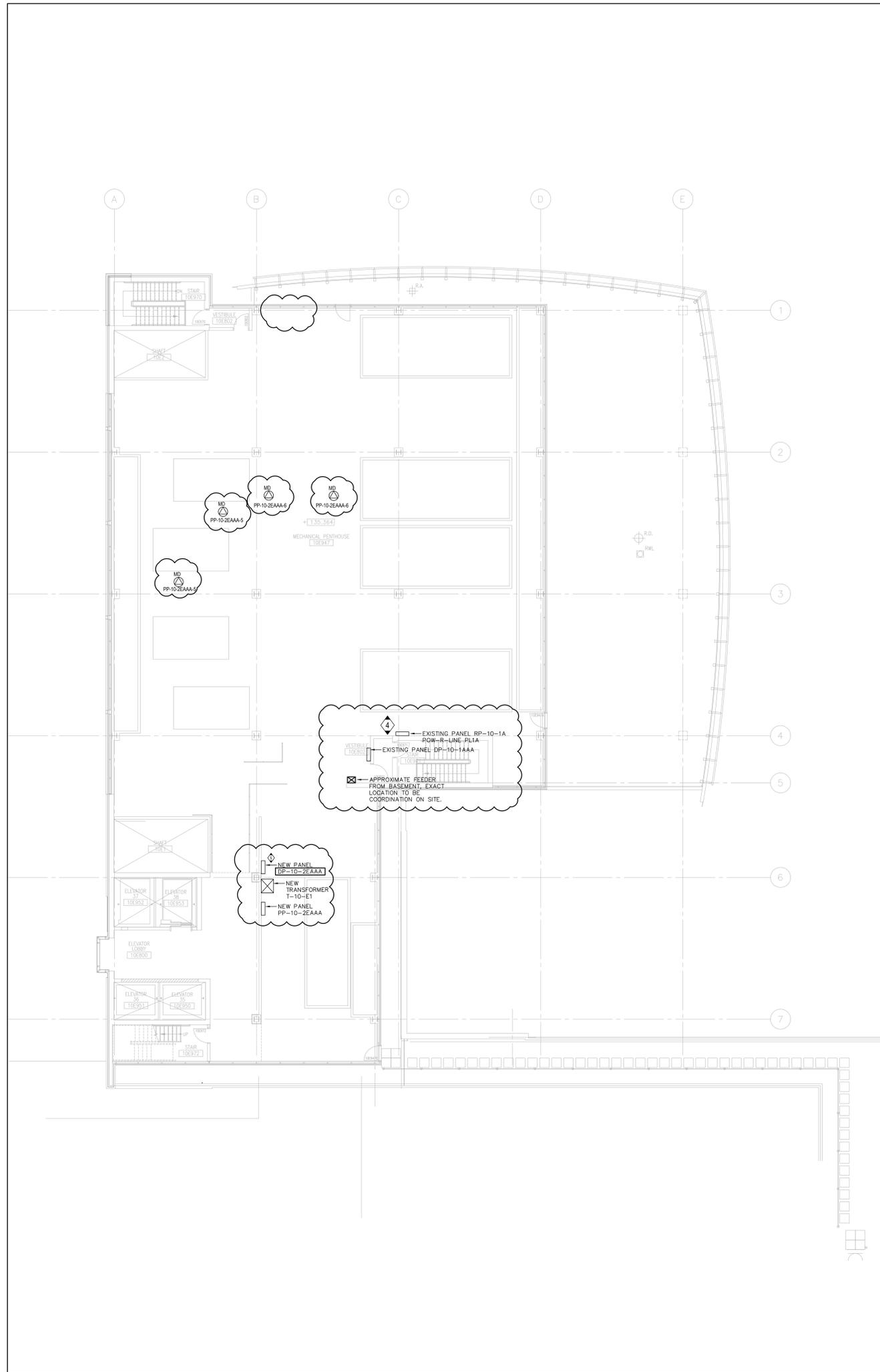
REVISIONS

NO.	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
4	Issued for 90% CD	2024.09.06
5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum	2024.10.25

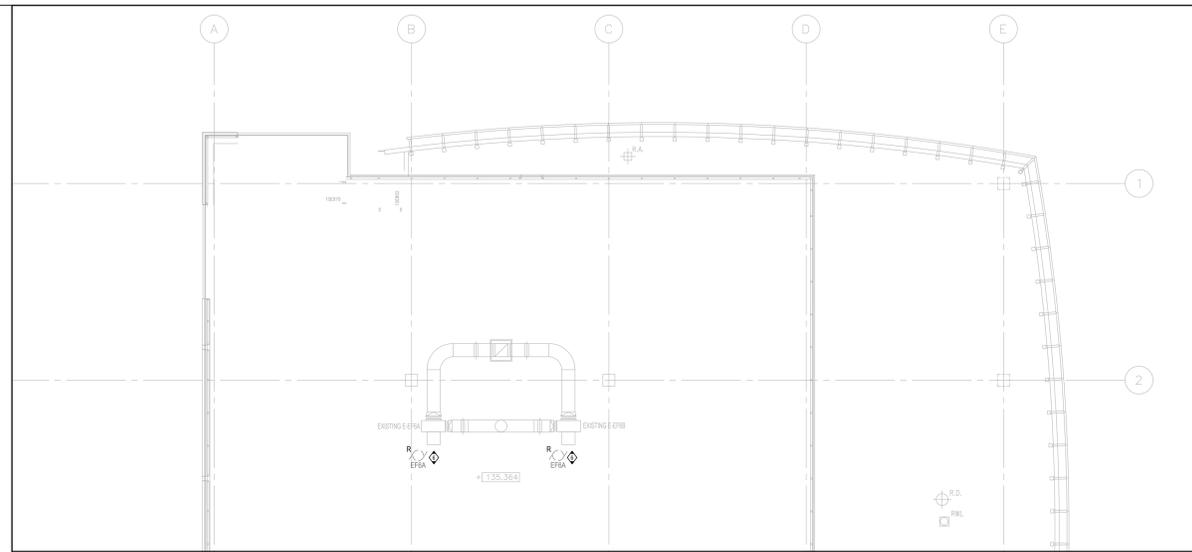
PROJECT:
 UHN TWIH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 LEVEL 1 FLOOR PLAN - NEW WORK - EXAM ROOMS

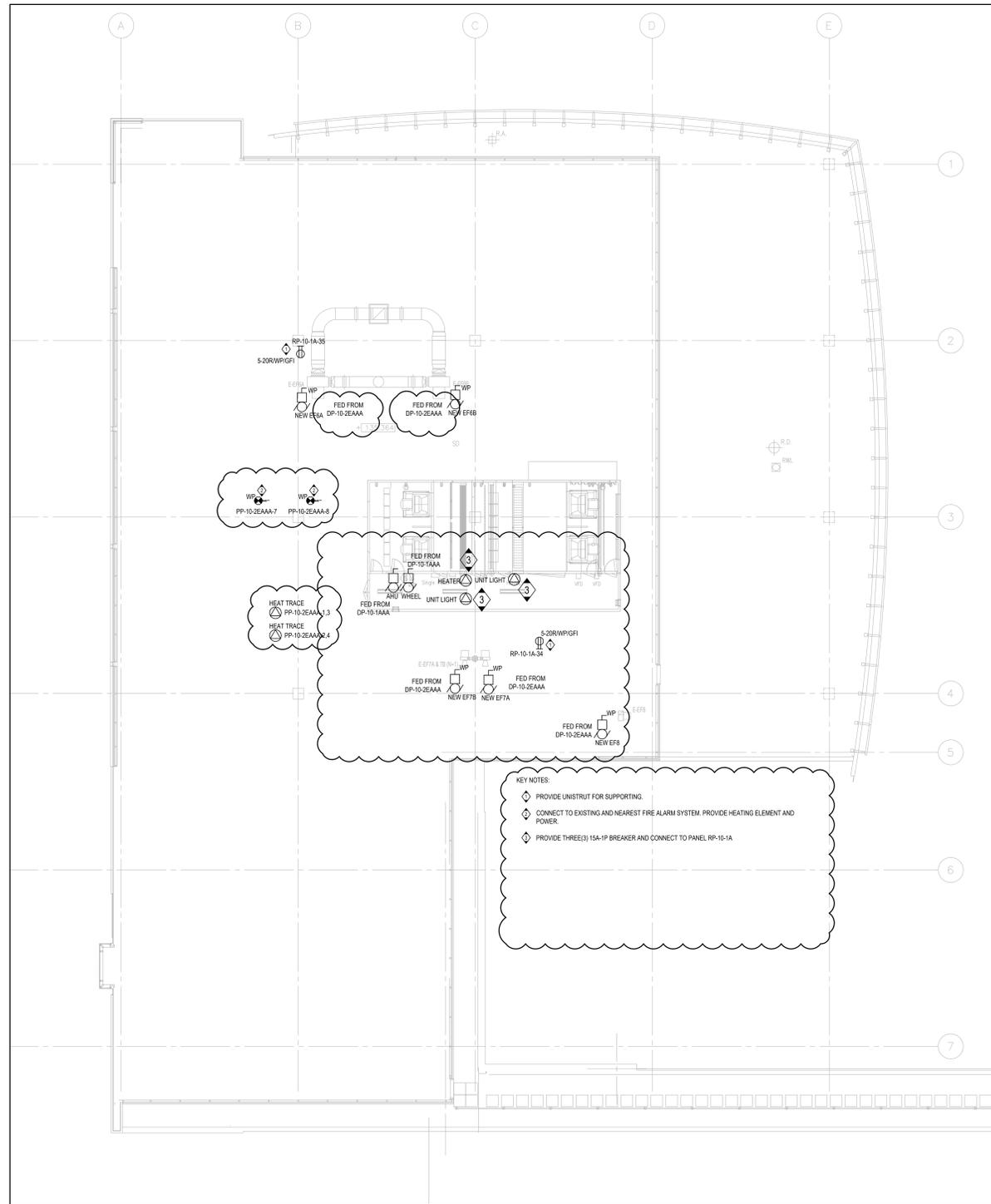
PROJECT NO: MRK-23004289
 CHECKED: M.S.
 DRAWING NO: E-203



1 PENTHOUSE FLOOR PLAN - ELECTRICAL NEW WORK
1:100



2 ROOF FLOOR PLAN - ELECTRICAL DEMOLITION
1:100



3 ROOF FLOOR PLAN - ELECTRICAL NEW WORK
1:100

PROJECT STATUS:

REVISIONS

NO	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
4	Issued for 90% CD	2024.09.06
5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum No.2	2024.11.01
7	Issued for Tender Addendum No.4	2024.11.12

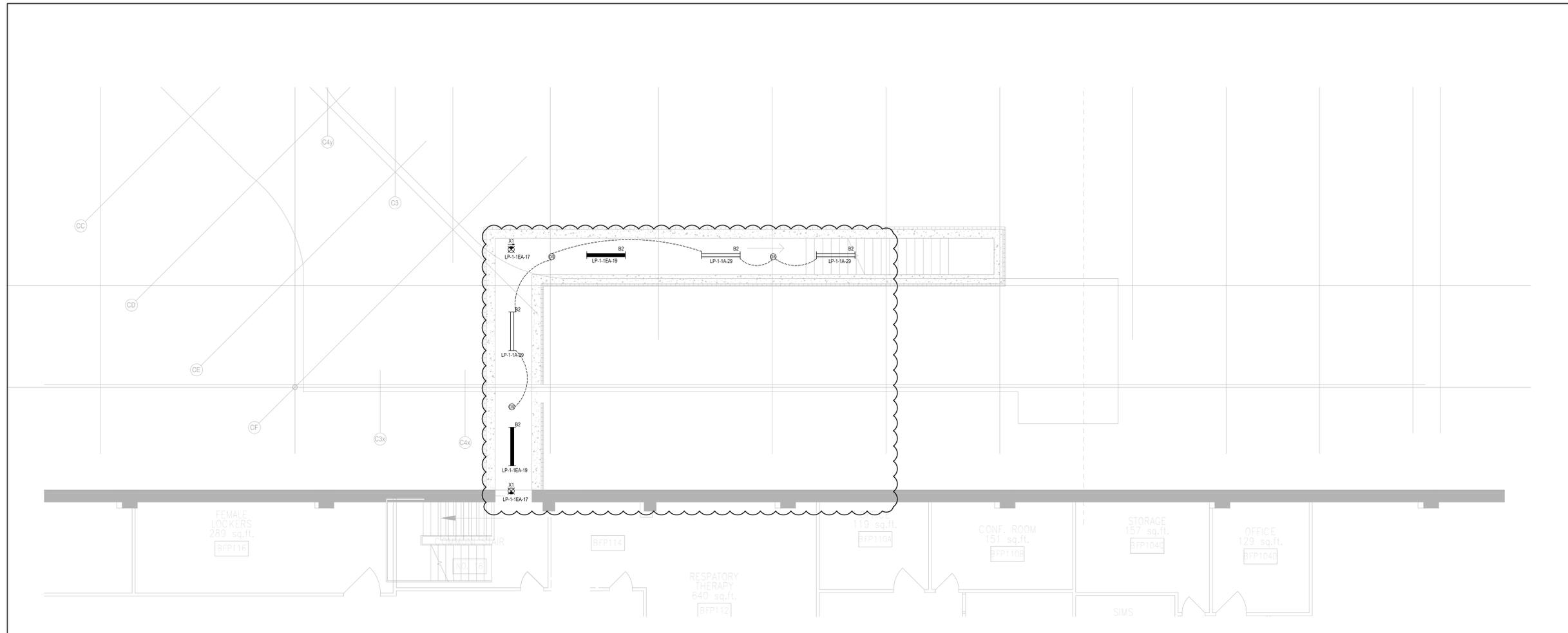
PROJECT:
UHN TWH - Seniors Emergency Medicine Centre
399 Bathurst Street, Toronto ON M5T 2S8
UHN PROJECT NO.: SAP #110022016

TITLE:
PENTHOUSE & ROOF FLOOR PLAN -
ELECTRICAL LAYOUT

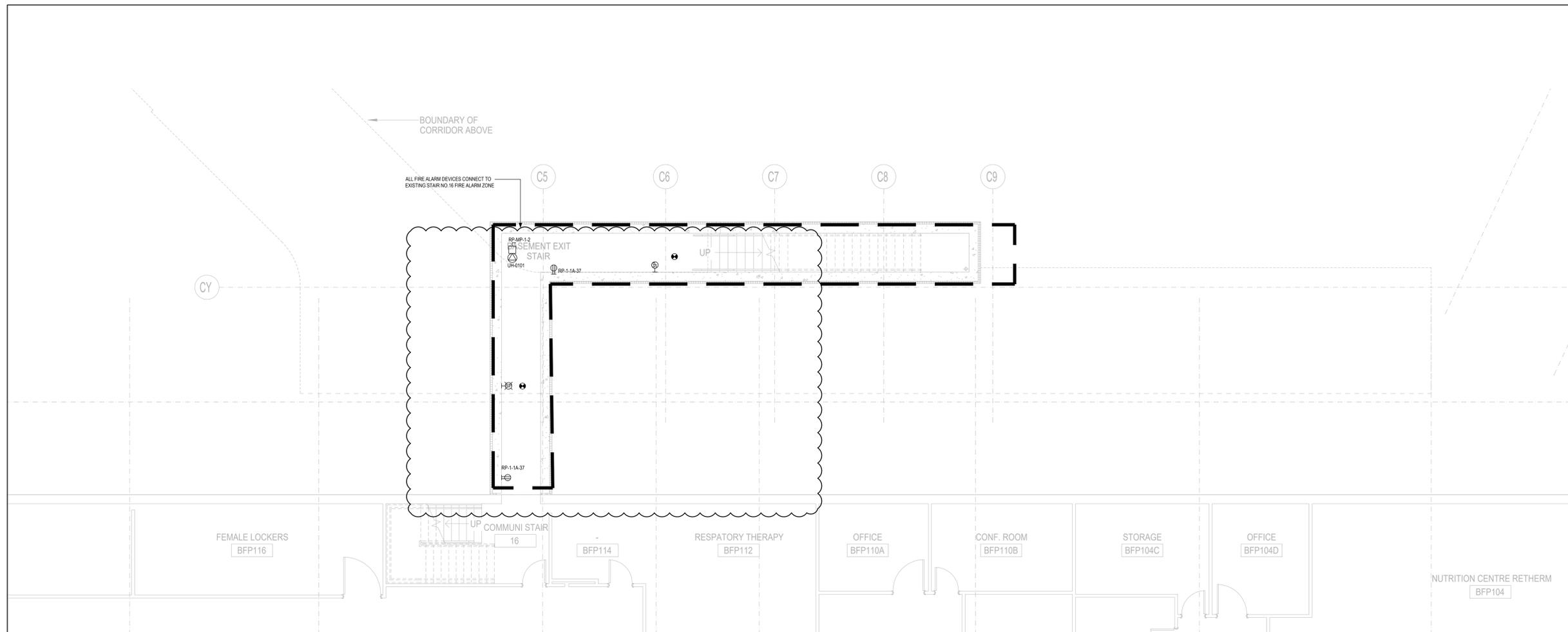
PROJECT NO:
MRK-23004289

DRAWING NO:
E-205

CHECKED:
M.S.



1 BELOW GRADE FLOOR - LIGHTING
1:50



2 BELOW GRADE FLOOR - POWER & SYSTEM
1:50

CLIENT:
 University Health Network
 Toronto Western Hospital
 399 Bathurst Street
 Toronto ON M5T 2S8
 www.uhn.ca

ARCHITECT:
 160 Pears Ave. - Suite 300
 Toronto, ON M5R 3P8
 416-539-0763
 www.cumulusarch.com

CONSULTANT:
 1 905 895 3217 (t. 905 895 0167)
 220 Commerce Valley Drive West, Suite 110
 Markham, ON L3T 0A8
 Canada
 www.exp.com
 • BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
 • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

PROJECT STATUS:

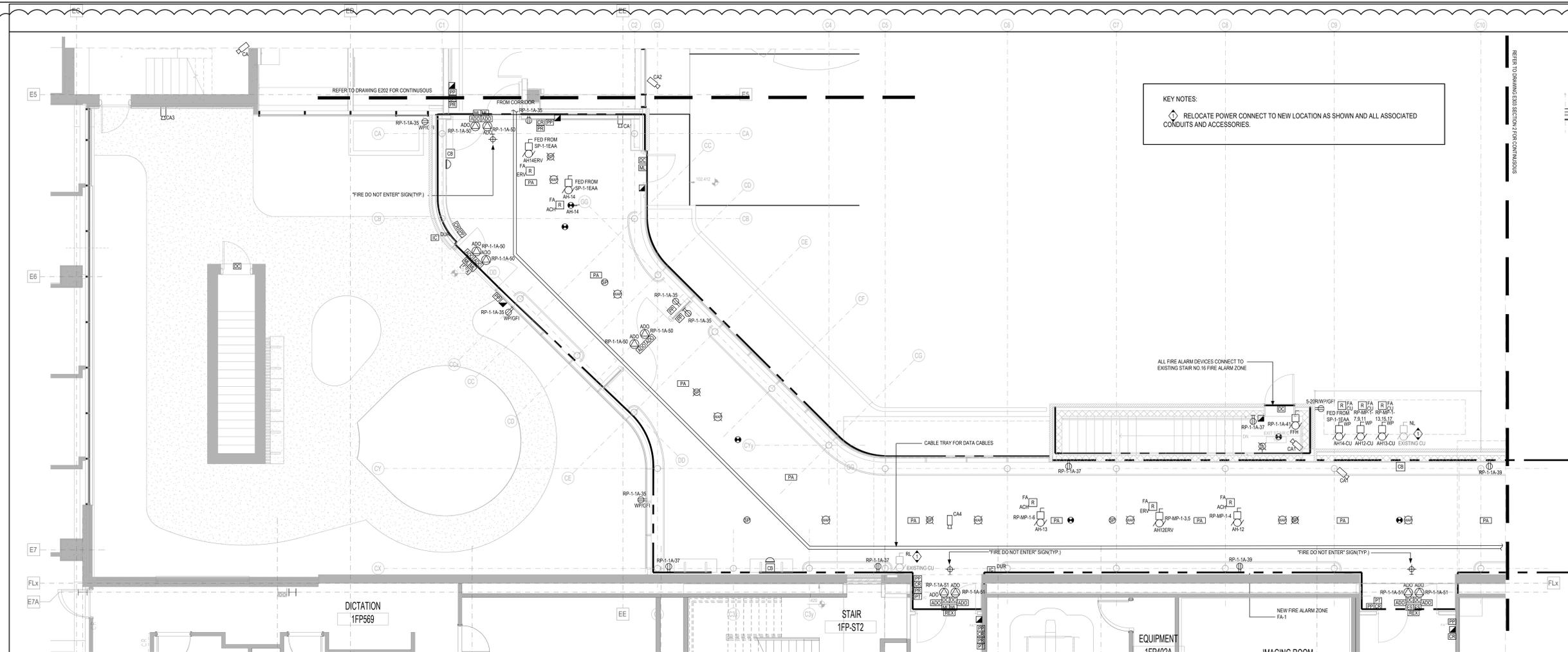
REVISIONS

NO	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
4	Issued for 90% CD	2024.09.06
5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum	2024.10.26

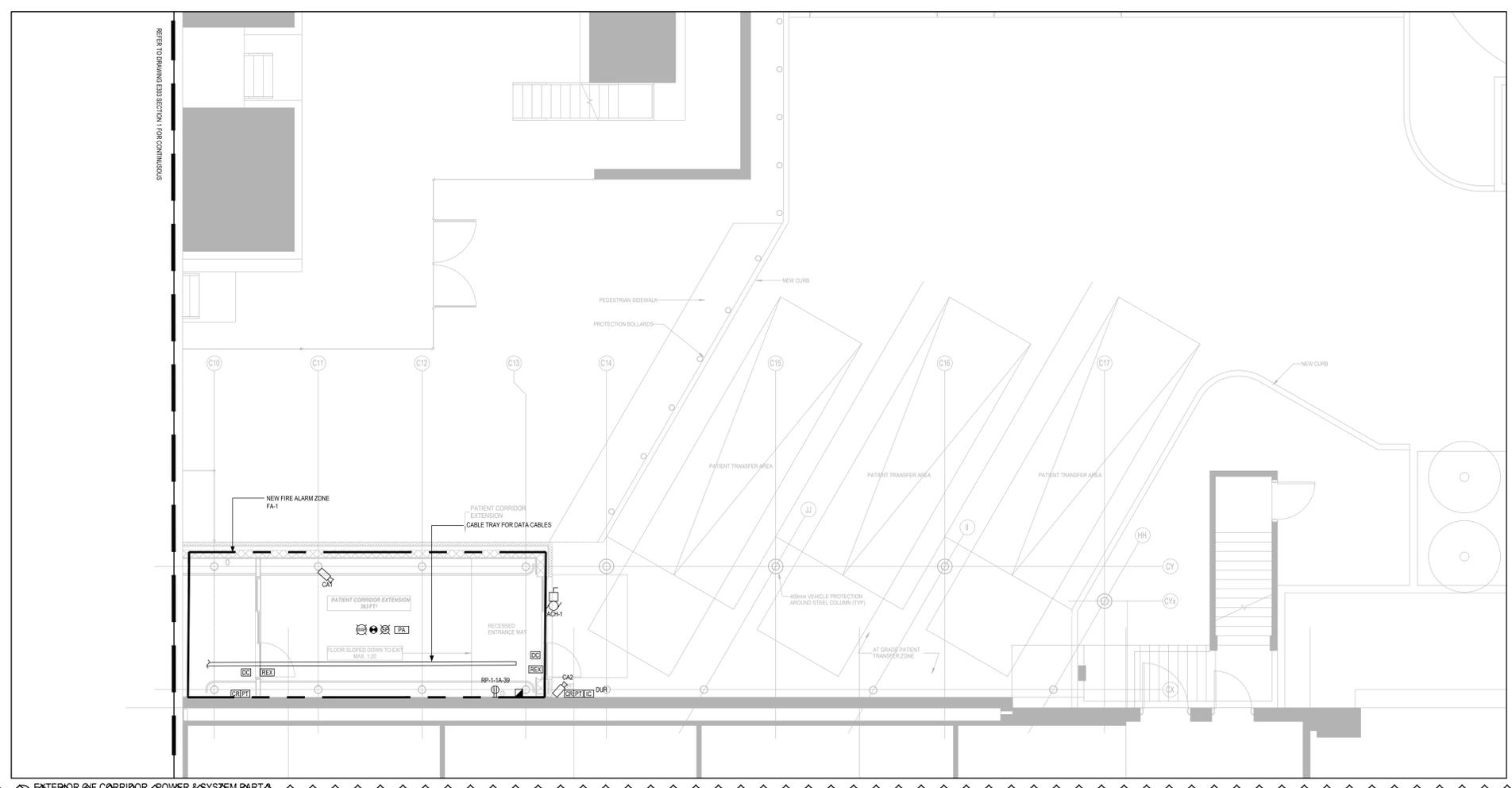
PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 BELOW GRADE FLOOR - ELECTRICAL
 LAYOUT

PROJECT NO: MRK-23004289
 CHECKED: M.S.
 DRAWING NO: E-301



1 EXTERIOR G/F CORRIDOR - POWER & SYSTEM PART 1
1:50



2 EXTERIOR G/F CORRIDOR - POWER & SYSTEM PART 2
1:50

KEY NOTES:
 ◊ RELOCATE POWER CONNECT TO NEW LOCATION AS SHOWN AND ALL ASSOCIATED CONDUITS AND ACCESSORIES.

CLIENT:
UHN University Health Network
 Toronto Western Hospital
 399 Bathurst Street
 Toronto ON M5T 2S8
 www.uhn.ca

ARCHITECT:
 160 Pears Ave - Suite 300
 Toronto, ON M5R 3P8
 416-539-0763
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CUMULUS ARCHITECTS INC.

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 1 905 895 3217 | 1 905 895 0167
 520 Commerce Valley Drive West, Suite 110
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PROJECT STATUS:

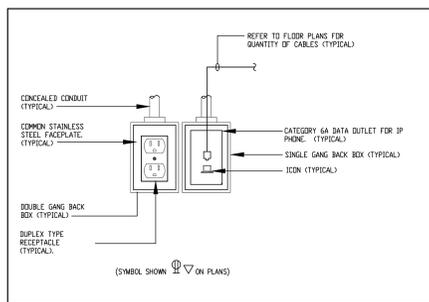
REVISIONS

NO	DESCRIPTION	DATE
1	Issued for Design Development Progress	2024.04.05
2	Issued for 100 DD	2024.05.10
3	Issued for 50% CD / Permit	2024.08.02
4	Issued for 90% CD	2024.09.06
5	Issued for 100% CD	2024.09.27
6	Issued for Tender	2024.10.11
7	Issued for Tender Addendum	2024.10.26

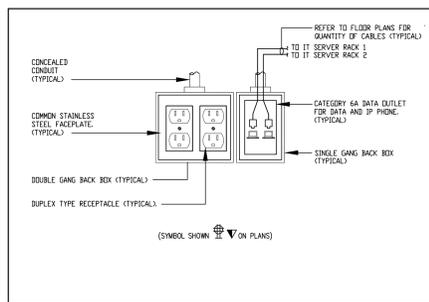
PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 GROUND FLOOR PLAN - POWER & SYSTEMS LAYOUT

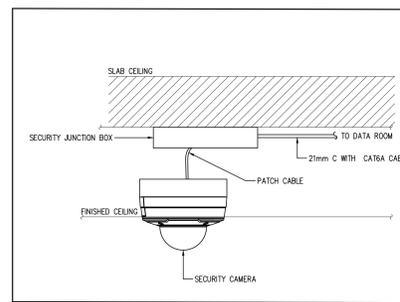
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 CHECKED: M.S.



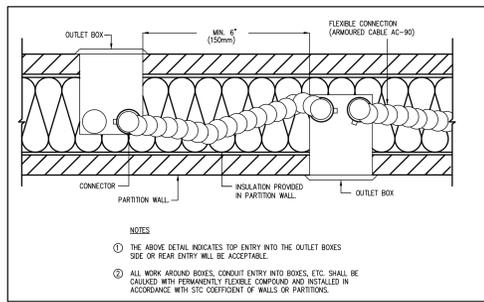
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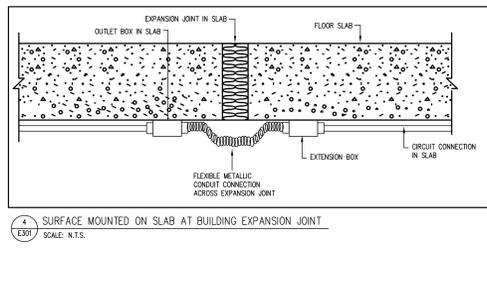
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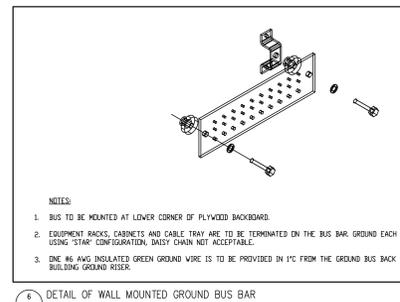
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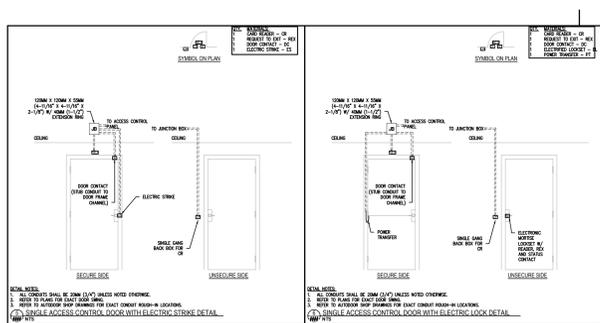
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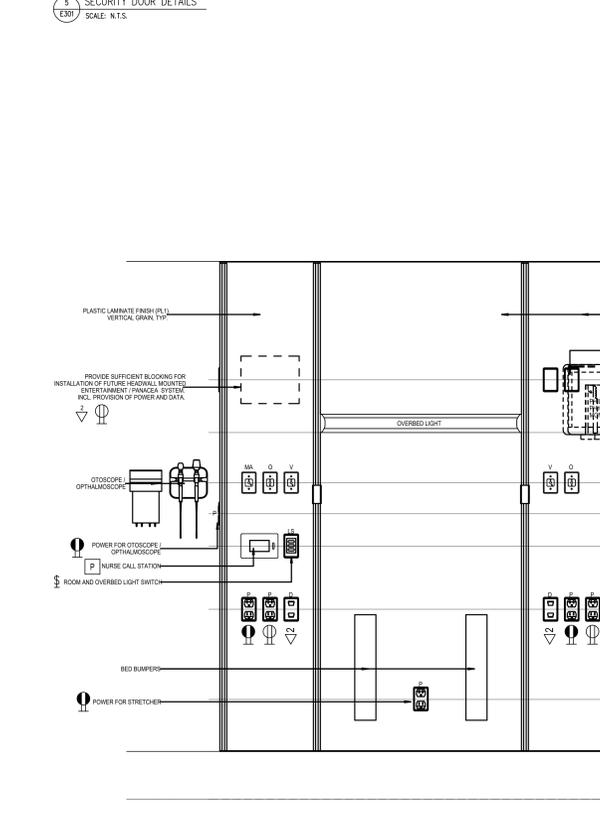
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E301 SCALE: N.T.S.



5
E301 SCALE: N.T.S.



5
E301 SCALE: N.T.S.



1
E401 SCALE: N.T.S.

PANEL PP-B-2EAAA
CONNECTED LOAD: - FED FROM T-8-E1
LOCATION: MECHANICAL ROOM

DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
AH14ERV-1	20A	1	A	2	
FP-AH14	25A	5	C	4	FP-AH14-CU
SPARE	20A	7	A	8	
		9	B	10	
		11	C	12	
		13	A	14	
		15	B	16	
		17	C	18	
SPARE	25A	19	A	20	20A
SPARE	25A	21	B	22	20A
SPARE	15A	23	C	24	20A
SPARE	15A	25	A	26	20A
SPARE	15A	27	B	28	20A
SPARE	15A	29	C	30	20A

NOTES:
1. CIRCUIT BREAKERS SHALL BE RATED FOR 10KA RMS SYM I.C.
2. CONTRACTOR SHALL VERIFY THE EXACT QUANTITY OF EXISTING CIRCUIT AND BREAKER SIZE SHALL MATCH WITH EXISTING WITH NO COST IMPLICATION.

PANEL PP-10-2EAAA
CONNECTED LOAD: - FED FROM T-10-E1
LOCATION: MECHANICAL ROOM

DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
HEAT TRACING	20A	1	A	2	HEAT TRACING
MOTORIZED DAMPER	15A	5	C	6	MOTORIZED DAMPER
HEATING FOR DUCT SMOKE DETECTOR	15A	7	A	8	HEATING FOR DUCT SMOKE DETECTOR
AHU HEATER	15A	9	B	10	UNIT LIGHT
UNIT LIGHT	15A	11	C	12	
		13	A	14	
		15	B	16	
		17	C	18	
SPARE	15A	19	A	20	20A
SPARE	15A	21	B	22	20A
SPARE	15A	23	C	24	20A
SPARE	15A	25	A	26	20A
SPARE	15A	27	B	28	20A
SPARE	15A	29	C	30	20A

NOTES:
1. CIRCUIT BREAKERS SHALL BE RATED FOR 10KA RMS SYM I.C.
2. CONTRACTOR SHALL VERIFY THE EXACT QUANTITY OF EXISTING CIRCUIT AND BREAKER SIZE SHALL MATCH WITH EXISTING WITH NO COST IMPLICATION.

PANEL RP-1-1EA
CONNECTED LOAD: - FED FROM SP-1-1EAA
LOCATION: ELECTRICAL CLOSET

DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
L6-30R RECEPTACLE	30A	1	A	2	L6-30R RECEPTACLE
		3	B	4	
		5	C	6	
		7	A	8	
L6-30R RECEPTACLE	30A	9	B	10	L6-30R RECEPTACLE
		11	C	12	
		13	A	14	
L6-30R RECEPTACLE	30A	15	B	16	L6-30R RECEPTACLE
		17	C	18	
EXISTING CIRCUIT	15A	19	A	20	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	21	B	22	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	23	C	24	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	25	A	26	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	27	B	28	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	29	C	30	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	31	A	32	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	33	B	34	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	35	C	36	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	37	A	38	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	39	B	40	EXISTING CIRCUIT
EXISTING CIRCUIT	15A	41	A	42	EXISTING CIRCUIT

NOTES:
1. CIRCUIT BREAKERS SHALL BE RATED FOR 10KA RMS SYM I.C.
2. CONTRACTOR SHALL VERIFY THE EXACT QUANTITY OF EXISTING CIRCUIT AND BREAKER SIZE SHALL MATCH WITH EXISTING WITH NO COST IMPLICATION.

PANEL RP-1-1A
CONNECTED LOAD: - FED FROM PP-1-1AA
LOCATION: CORRIDOR

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

NOTES:
1. CIRCUIT BREAKERS SHALL BE RATED FOR 10KA RMS SYM I.C.
2. CONTRACTOR SHALL VERIFY THE EXACT QUANTITY OF EXISTING CIRCUIT AND BREAKER SIZE SHALL MATCH WITH EXISTING WITH NO COST IMPLICATION.

PANEL RP-1-1B
CONNECTED LOAD: - FED FROM PP-1-1AA
LOCATION: ELECTRICAL CLOSET

DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
RECEPTACLES	15A	1	A	2	15A
SMART GLASS	15A	3	B	4	15A
MICROWAVE	15A	5	C	6	15A
SPARE	15A	7	A	8	15A
SPARE	15A	9	B	10	15A
SPARE	15A	11	C	12	15A
SPARE	15A	13	A	14	15A
RECEPTACLES	15A	15	B	16	15A
RECEPTACLES	15A	17	C	18	15A
RECEPTACLES	15A	19	A	20	15A
RECEPTACLES	15A	21	B	22	15A
RECEPTACLES	15A	23	C	24	15A
RECEPTACLES	15A	25	A	26	15A
RECEPTACLES	15A	27	B	28	15A
RECEPTACLES	15A	29	C	30	15A
RECEPTACLES	15A	31	A	32	15A
RECEPTACLES	15A	33	B	34	15A
RECEPTACLES	15A	35	C	36	15A
RECEPTACLES	15A	37	A	38	15A
SPARE	15A	39	B	40	15A
EXAM ROOM RECEPTACLES	15A	41	C	42	15A
EXAM ROOM RECEPTACLES	15A	43	A	44	15A
EXAM ROOM RECEPTACLES	15A	45	B	46	15A
EXAM ROOM RECEPTACLES	15A	47	C	48	15A
EXAM ROOM RECEPTACLES	15A	49	A	50	15A
SMART GLASS	15A	51	B	52	15A
AIR EXAM ROOM	15A	53	C	54	15A
MOTORIZED DAMPER	15A	55	A	56	15A
SPARE	57	B	58	15A	SPARE
DISINFECTANT UNIT	59	C	60	15A	SPARE
	61	A	62	15A	SPARE
SPARE	63	B	64	15A	SPARE
SPARE	65	C	66	15A	SPARE
SPARE	67	A	68	15A	SPARE
SPARE	69	B	70	15A	SPARE
	71	C	72		
	73	A	74		
	75	B	76		
EXISTING CIRCUIT	77	C	78		EXISTING CIRCUIT
EXISTING CIRCUIT	79	A	80		EXISTING CIRCUIT
EXISTING CIRCUIT	81	B	82		EXISTING CIRCUIT
EXISTING CIRCUIT	83	C	84		EXISTING CIRCUIT

NOTES:
1. CIRCUIT BREAKERS SHALL BE RATED FOR 10KA RMS SYM I.C.
2. CONTRACTOR SHALL VERIFY THE EXACT QUANTITY OF EXISTING CIRCUIT AND BREAKER SIZE SHALL MATCH WITH EXISTING WITH NO COST IMPLICATION.

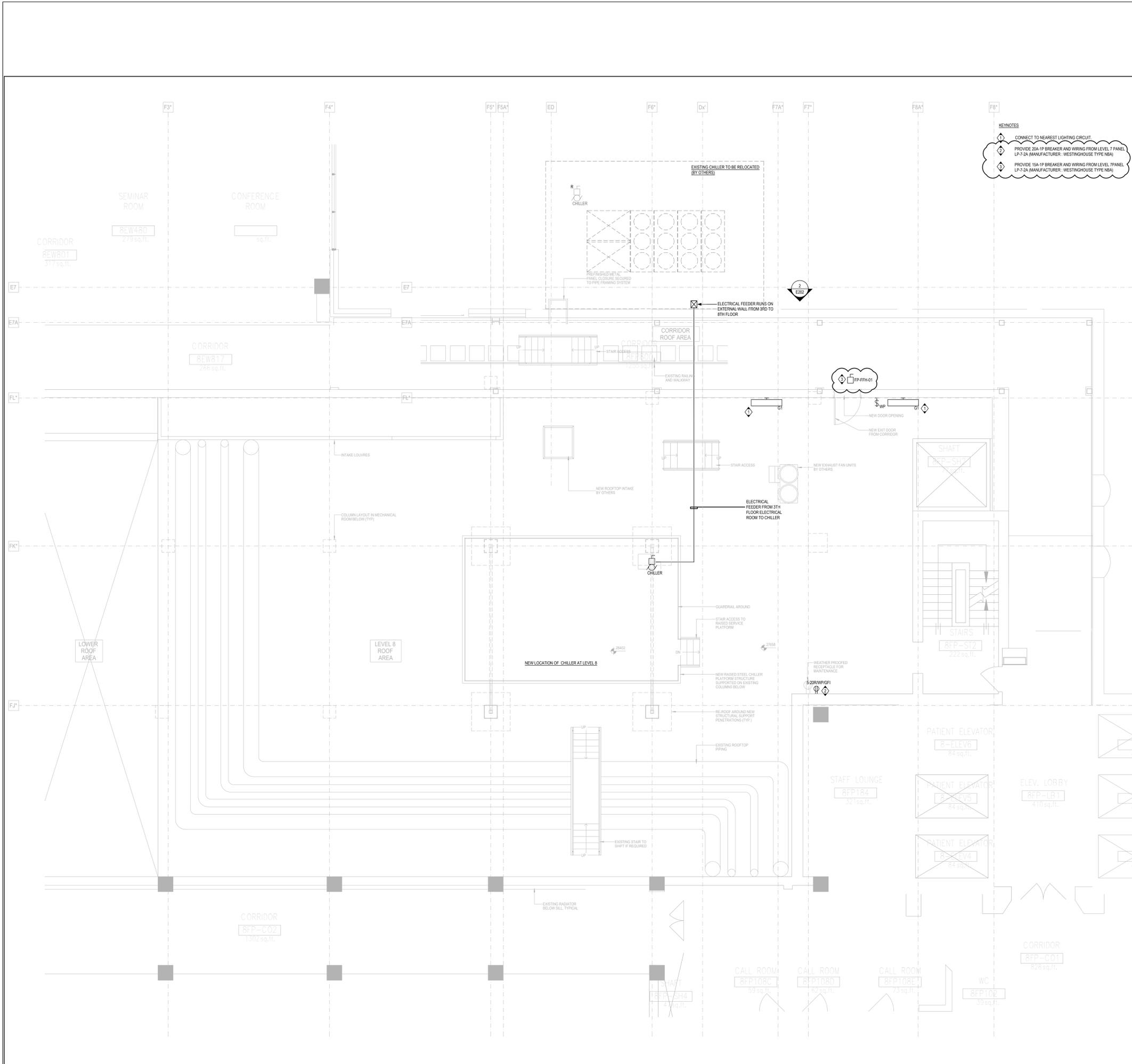
PANEL LP-1-1A
CONNECTED LOAD: - FED FROM PP-1-1AA
LOCATION: ELECTRICAL CLOSET

DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
LIGHTINGS	15A	1	A	2	15A
LIGHTINGS	15A	3	B	4	15A
LIGHTINGS	15A	5	C	6	15A
LIGHTINGS	15A	7	A	8	15A
LIGHTINGS	15A	9	B	10	15A
LIGHTINGS	15A	11	C	12	15A
LIGHTINGS	15A	13	A	14	15A
LIGHTINGS	15A	15	B	16	15A
LIGHTINGS	15A	17	C	18	15A
LIGHTINGS	15A	19	A	20	15A
LIGHTINGS	15A	21	B	22	15A
EXAM ROOM	15A	23	C	24	15A
EXAM ROOM	15A	25	A	26	15A
EXAM ROOM	15A	27	B	28	15A
EXAM ROOM	15A	29	C	30	15A
SPARE	15A	31	A	32	15A
SPARE	15A	33	B	34	15A
EXISTING CIRCUIT	35	C	36		EXISTING CIRCUIT
EXISTING CIRCUIT	37	A	38		EXISTING CIRCUIT
EXISTING CIRCUIT	39	B	40		EXISTING CIRCUIT
EXISTING CIRCUIT	41	C	42		EXISTING CIRCUIT

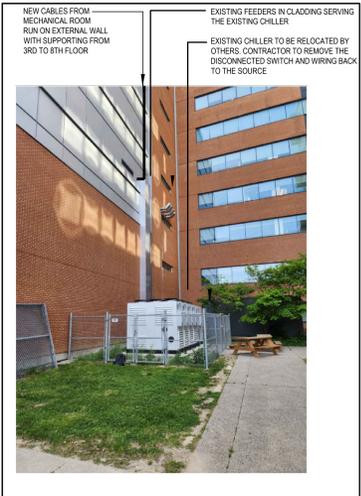
NOTES:
1. CIRCUIT BREAKERS SHALL BE RATED FOR 10KA RMS SYM I.C.
2. CONTRACTOR SHALL VERIFY THE EXACT QUANTITY OF EXISTING CIRCUIT AND BREAKER SIZE SHALL MATCH WITH EXISTING WITH NO COST IMPLICATION.

PANEL RP-1-2EA
CONNECTED LOAD: - FED FROM SP-1-1EAA
LOCATION: CORRIDOR

DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
RECEPTACLES	15A	1	A	2	15A
PNEUMATIC TUBE SYSTEM	15A	3	B	4	15A
VAV	15A	5	C	6	15A
RECEPTACLES	15A	7	A	8	15A
EXAM ROOM RECEPTACLES	15A	9	B	10	15A
EXAM ROOM RECEPTACLES	15A	11	C	12	15A
SPARE	15A	13	A	14	15A
SPARE	15A	15	B	16	15A
SPARE	15A	17	C	18	15A
SPARE	20A	19	A	20	15A
SPARE	20A	21	B	22	15A
SPARE	20A	23	C	24	15A
NURSE CALL SYSTEM	15A	25	A	26	15A
CLOCK SYSTEM	15A	27	B	28	20A
NURSE CALL SYSTEM	15A	29	C	30	15A
OR ACCESS SYSTEM	15A	31	A	32	15A
RECEPTACLES	15A	33	B	34	15A
RECEPTACLES	15A	35	C	36	15A
RECEPTACLES	15A	37	A	38	15A
RECEPTACLES	15A	39	B	40	
RECEPTACLES	15A	41	C	42	15A
RECEPTACLES	15A	43	A	44	15A
RECEPTACLES	15A	45	B	46	15A
RECEPTACLES	15A	47	C	48	15A
RECEPTACLES	15A	49	A	50	15A
RECEPTACLES	15A	51	B	52	15A
RECEPTACLES	1				



- KEYNOTES**
- 1 CONNECT TO NEAREST LIGHTING CIRCUIT
 - 2 PROVIDE 20A-1P BREAKER AND WIRING FROM LEVEL 7 PANEL LP-7-2A (MANUFACTURER: WESTINGHOUSE TYPE NBA)
 - 3 PROVIDE 15A-1P BREAKER AND WIRING FROM LEVEL 7 PANEL LP-7-2A (MANUFACTURER: WESTINGHOUSE TYPE NBA)



2 SITE PHOTO

PROJECT STATUS:

REVISIONS

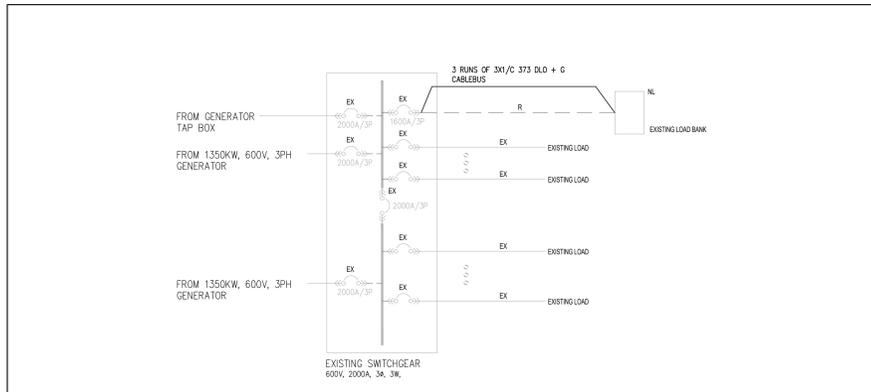
NO	DESCRIPTION	DATE
1	Issued for Permit	2024.04.05
2	Issued for Permit Comment	2024.07.29
3	Issued for 90% CD / Permit	2024.09.06
4	Issued for 100% CD	2024.09.27
5	Issued for Tender	2024.10.11
6	Issued for Tender Addendum	2024.10.25

PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

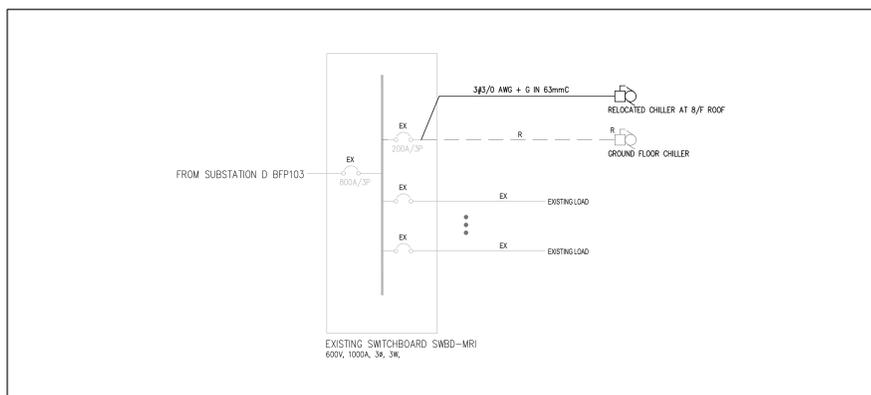
TITLE:
 LEVEL 8 ROOF - ELECTRICAL LAYOUT &
 ENLARGED PLAN

PROJECT NO: MRK-23004289
DRAWING NO: E202
CHECKED: M.S.

1 LEVEL 8 ROOF PLAN - ELECTRICAL LAYOUT
 1:50



1 PARTIAL POWER DISTRIBUTION RISER DIAGRAM - G/F LOAD BANK RELOCATION
 E401 SCALE: N.T.S.



2 PARTIAL POWER DISTRIBUTION RISER DIAGRAM - CHILLER RELOCATION
 E401 SCALE: N.T.S.

LUMINAIRE SCHEDULE

TYPE	BASE MANUFACTURER (AS SPECIFIED)	CATALOGUE NUMBER	CEILING MOUNTED			WALL MOUNTED			WATTAGE	COLOUR TEMP.	VOLTAGE		REMARKS
			SURFACE	RECESSED	SUSPENDED	SURFACE	RECESSED	BRACKET			UNDER-CABINET	120V	
G1	PIONEER LIGHTING	TO-648-4-30K-120				•			37W	3000K	•		COMPLETE WITH ALL NECESSARY MOUNTING ACCESSORIES.

- NOTES:
- ALL FINISHES, FLANGE AND PLASTER COLOURS TO BE CONFIRMED WITH ARCHITECT/DESIGNER PRIOR TO ORDERING LUMINAIRES.
 - ALL LUMINAIRES SHALL BE CSA APPROVED.
 - CONTRACTOR TO PROVIDE MOUNTING ACCESSORIES AND HARDWARE TO SUIT CEILING AND WALL FINISHES.
 - PROVIDE APPROVED EQUAL FOR ENGINEER'S REVIEW DURING SHOP DRAWINGS REVIEW.
 - PROVIDE SUITABLE STEP DOWN TRANSFORMER FOR ANY LOW VOLTAGE LIGHTING AS REQUIRED.

PROJECT STATUS:

REVISIONS

NO	DESCRIPTION	DATE
1	Issued for Permit	2024.04.05
2	Issued for 90% CD	2024.09.08
3	Issued for 100% CD	2024.09.27
4	Issued for Tender	2024.10.11

PROJECT:
 UHN TWH - Seniors Emergency Medicine Centre
 399 Bathurst Street, Toronto ON M5T 2S8
 UHN PROJECT NO.: SAP #110022016

TITLE:
 ELECTRICAL RISER DIAGRAM AND
 LUMINAIRE SCHEDULE

PROJECT NO: MRK-23004289	DRAWING NO: E301
CHECKED: M.S.	