			LEGEND (OF ELECTRICAL SYM	BOLS		
	LIGHTING		MECHANICAL		COMMUNICATION SYSTEMS		FIRE ALARM
Ø.	RECESSED LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE	0	MOTOR	∇	VOICE OUTLET	€ ^	SMOKE ALARM
α	SURFACE LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE	⊗	THREE-PHASE MOTOR	∇	DATA OUTLET	AC	SMOKE ALARM/CARBON MONOXIDE ALARM
Ď.	WALL LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE		MOTOR CW DISCONNECT SWITCH	∇	COMBINATION VOICE/DATA OUTLET	AC	SMOKE ALARM/CARBON MONOXIDE ALARM C/W STROBE
Ø	LED / INCANDESCENT / COMPACT FLUORESCENT WALL WASHER	нÓ	MOTOR C/W MANUAL STARTER	∇	TELEVISION OUTLET	€	SMOKE DETECTOR
×	RECESSED LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE ON EMERGENCY POWER		UNFUSED DISCONNECT SWITCH	\Box	COMBINATION VOICE/TELEVISION OUTLET		SMOKE DETECTOR IN CEILING PLENUM
*	SURFACE LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE ON EMERGENCY POWER		FUSED DISCONNECT SWITCH		FLOOR MOUNTED VOICE OUTLET		SMOKE DETECTOR UNDER FLOOR
F	WALLLED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE ON EMERGENCY POWER		COMBINATION MAGNETIC STARTER/DISCONNECT SWITCH		FLOOR MOUNTED DATA OUTLET	RR	RATE OF RISE HEAT DETECTOR
	RECESSED FLUORESCENT LUMINAIRE		MAGNETIC STARTER		FLOOR MOUNTED COMBINATION VOICE/DATA OUTLET	200	FIXED HIGH TEMPERATURE 200°F HEAT DETECTOR (88°C)
	SURFACE FLUORESCENT LUMINAIRE	s	FAN SPEED CONTROLLER		FLOOR MOUNTED TELEVISION OUTLET	135	FIXED HIGH TEMPERATURE 135°F HEAT DETECTOR (58°C)
	WALL FLUORESCENT LUMINAIRE		THERMOSTAT		CEILING MOUNTED DATA OUTLET	→	DUCT SMOKE DETECTOR - 'SA' DENOTES SUPPLY AIR, 'RA' DENOTES RETURN AIR
	WALL FLUORESCENT LUMINAIRE ON EMERGENCY POWER	(SE)	SENSOR		CEILING MOUNTED TELEVISION OUTLET	[R]	DUCT SMOKE DETECTOR C/W SHUTDOWN RELAY
	FLUORESCENT STRIP LUMINAIRE		MOTOR IDENTIFICATION TAG (REFER TO MECHANICAL SCHEDULE)	M	MICROPHONE OUTLET	PS	FIRE ALARM PULL STATION
	FLUORESCENT STRIP LUMINAIRE	KXXXXXXXXX	BASEBOARD HEATER	P	PA SPEAKER - CEILING MOUNTED	FS)	SPRINKLER FLOW SWITCH
	RECESSED FLUORESCENT LUMINAIRE ON EMERGENCY POWER		POWER	P	PA SPEAKER - WALL MOUNTED	18)	SPRINKLER TAMPER SWITCH
	SURFACE FLUORESCENT LUMINAIRE ON EMERGENCY POWER	Ф	SINGLE/SPECIAL PURPOSE RECEPTACLE	V	VOLUME CONTROLLER	(§) P\$)	SPRINKLER PRESSURE SWITCH
		Ф Ф	DUPLEX RECEPTACLE		CHIME		SPRINKLER SUPERVISED VALVE
<u> </u>	TRACK LIGHTING C/W LIGHTING HEADS AS SHOWN POLE MOUNTED LUMINAIRE	Ö	ISOLATED GROUND RECEPTACLE		CLOCK - CEILING MOUNTED		END OF LINE RESISTOR
. ,	LIGHTING BOLLARD		GROUND FAULT RECEPTACLE		CLOCK - CEILING MOUNTED		FIRE ALARM BELL
<u>®</u>	LIGHTING BOLLARD LIGHTING LUMINAIRE TYPE TAG	₩			PAC-POLE	F	FIRE ALARM BELL FIRE ALARM COMBINATION BELL AND STROBE
(XX) XX			SPLIT/SWITCHED CIRCUIT RECEPTACLE	No.			
\boxtimes	EXIT LIGHT - CEILING (CW ARROWS AS INDICATED)	<u></u>	20A T-SLOT RECEPTACLE	<u> </u>	WATER DETECTOR CROUND DAD	FK	FIRE ALARM HORN
Τ	EXIT LIGHT - WALL (C/W ARROWS AS INDICATED)	#	FOURPLEX RECEPTACLE		GROUND BAR	F4	FIRE ALARM COMBINATION HORN AND STROBE
X	EMERGENCY POWER BATTERY PACK	₩ 3	ISOLATED GROUND FOURPLEX RECEPTACLE		BACKBOARD		FIRE ALARM MINI HORN/STROBE WITH SILENCE BUTTON
186	EMERGENCY POWER BATTERY PACK C/W LIGHTING HEADS		COMPUTER DUPLEX RECEPTACLE (FED W/ DEDICATED NEUTRAL)			•	FIRE ALARM MINI HORN WITH SILENCE BUTTON
	EMERGENCY POWER BATTERY PACK CW R. HEADS & EXIT LIGHT	*	COMPUTER FOURPLEX RECEPTACLE (FED W/ DEDICATED NEUTRAL)		SECURITY SYSTEMS	F)	FIRE ALARM STROBE
4	SINGLE REMOTE EMERGENCY LIGHTING HEAD - CEILING MOUNT		FLOOR MOUNTED RECEPTACLE	\$	SECURITY HORN		FIRE ALARM MINI SPEAKER WITH SILENCE BUTTON
4>	DOUBLE REMOTE EMERGENCY LIGHTING HEAD - CEILING MOUNT	D	FLOOR MOUNTED ISOLATED GROUND RECEPTACLE	à	PUSH BUTTON	F	FIRE ALARM SPEAKER - CEILING MOUNTED
4	SINGLE REMOTE EMERGENCY LIGHTING HEAD - WALL MOUNT	*	FLOOR MOUNTED FOURPLEX ISOLATED GROUND RECEPTACLE	[DH]	MAGNETIC DOOR HOLD OPEN	F	FIRE ALARM COMBINATION SPEAKER/STROBE - CEILING MOUNTED
4	DOUBLE REMOTE EMERGENCY LIGHTING HEAD - WALL MOUNT	₽	FLOOR MOUNTED COMPUTER DUPLEX RECEPTACLE W/DEDICATED NEUTRAL	[ML]	MAGNETIC LOCK	H.F	FIRE ALARM SPEAKER - WALL MOUNTED
\$\$	SWITCH - SINGLE, TWO, AND THREE GANG	•	CEILING MOUNTED SINGLE/SPECIAL PURPOSE RECEPTACLE	[ES]	ELECTRIC STRIKE	HF)	FIRE ALARM COMBINATION SPEAKER/STROBE - WALL MOUNTED
\$	2 POLE SWITCH	•	CEILING MOUNTED DUPLEX RECEPTACLE	[DP]	DOOR POSITION SWITCH	F	FIRE PHONE
5 ³	SWITCH - 3 WAY	0	CEILING MOUNTED JUNCTION/SLAB BOX	(REX)	REQUEST TO EXIT SENSOR	[IM]	ISOLATION MODULE
(SWITCH - LOW VOLTAGE		FLOOR MOUNTED JUNCTION/SLAB BOX	(MS)	SECURITY MOTION SENSOR	IM	SUITE AUDIBLE ISOLATOR
5	SWITCH - KEY SWITCH		WALL MOUNTED JUNCTION BOX	CR	CARD READER	СМ	CONTROL MODULE
5 ^M	SWITCH - MANUAL STARTER		ELECTRICAL PANELBOARD - SURFACE MOUNTED	V	2-WAY VOICE/PANIC	MM	MONITORING MODULE
Ŝ	SWITCH - DIMMER SWITCH		ELECTRICAL PANELBOARD - RECESSED	• (§)	INTERCOM		GENERAL
\$	SWITCH - OCCUPANCY SENSOR SWITCH	C	CONTACTOR	\$	SECURITY STROBE		CONDUIT CONCEALED IN WALL OR CEILING
\$ ^P	SWITCH C/W PILOT LIGHT - SINGLE GANG	₩	CAR PLUG POST		CCTV CAMERA		CONDUIT CONCEALED IN SLAB OR RUN UNDERGROUND
5	SWITCH - TIMER SWITCH	TC	TIME CLOCK	6	GLASS BREAKAGE SENSOR		CONDUIT UP
Р	PHOTO ELECTRIC CELL		SINGLE PHASE DIRECT CONNECTION	K	KEYPAD		CONDUIT DOWN
OS>	OCCUPANCY SENSOR - CEILING MOUNTED		THREE PHASE DIRECT CONNECTION		INTERCOM		CONDUIT STUB
(0L)	DAYLIGHT HARVESTING LIGHT SENSOR	0-00	DROP CORD	[RM]	RELAY MODULE	5	CONDUIT CONTINUATION
[RC]	ON / OFF ROOM CONTROLLER					WP	DENOTES WEATHERPROOF DEVICE
DM]	0-10V DIMMING CONTROLLER					NL	DENOTES UNSWITCHED LUMINAIRE (NIGHT LIGHT)
PP)	LIGHTING CONTROL POWER PACK					R	DENOTES DEVICE TO REMOVE OR RELOCATE
$\overline{\bigcirc}$						RL	DENOTES RELOCATED DEVICE
							DENOTES FURNITURE MOUNTED DEVICE
						E	DENOTES EXISTING TO REMAIN
						(NO.)	CO./NO. DETECTOR IN PARKING AREA

ELECTRICAL ABBREVIATIONS LIST

DRAWING REFERENCE SYMBOLS:

- SECTION OR DETAIL NUMBER

SECTION OR DETAIL

REFERENCE LOCATION SHEET

DETAIL REFERENCE

ENLARGED PLAN

REVISION REFERENCE

1 POLE (2P, 3P, 4P, ETC.) HEAT RECOVERY VENTILATION SPECIFICATION ABOVE COUNTER OR AIR CONDITIONE SPEAKER SPARE ABOVE CEILING AUTOMATIC DOOR OPENER HEATING, VENTILATING AND SURFACE RACEWAY ARC FAULT CIRCUIT INTERRUPTE STOP/START PUSHBUTTON STATION STANDARD SUMP PUMP AIR HANDLING UNIT HYDRONIC WATER PUMP ALTERNATE LOCATE OR LOCATION SURF SW SURFACE MOUNTED SWITCH MAXIMUM AMERICAN WIRE GAUGE SYMMETRICAL SYS SYSTEM
TEUDATA TELEPHONE/DATA MECHANICAL CONTRACTOR MICROWAVE CIRCUIT BREAKER CIRCUIT TERMINAL TAMPER RESISTANT MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER THERMOSTAT MAIN DISTRIBUTION PANE CONSTRUCTION MECHANICAL CONTRACTOR UNDER COUNTER CONTRACTOR
CIRCULATING PUMP
CENTER MANUFACTURER MISCELLANEOUS COPPER COMPLETE WITH MAIN LUGS ONLY VERTICAL VOLUME WATT EMPTY CONDUIT MOUNTED DISCONNECT COORDINATED IN MILLWORK DOWN DAMPER DISHWASHER NATIONAL ELECTRICAL MANUFACTURER'S WATER HEATER WITHOUT WEATHERPROOF ASSOCIATION NOT IN CONTRACT DRAWING NOT TO SCALE WASHER ANGLE OVERHEAD OVERLOADS ELECTRIC, ELECTRICAL EMERGENCY ELECTRICAL METALLIC TUBING PULL BOX OR PUSHBUTTON DELTA PAIR/PRINTER FIRE ALARM FIRE ALARM CONTROL PANEL POLYVINYL CHLORIDE (CONDUIT) POWER FAN COIL UNIT FIXTURE FLOOR QUANTITY RELOCATE(D) RECEPTACLE REQUIRED FLUORESCEN REFRIGERATOR FREEZER GAUGE RIGID METAL CONDUIT ROOF TOP UNIT SURFACE CONDUIT SECONDARY GENERAL CONTRACTOR SERVICE ENTRANCE RATEI

SECTION REFERENCE

ELEVATION REFERENCE

SECTION OR DETAIL NUMBE

REFERENCE LOCATION SHEE

SECTION OR DETAIL NUMBER

GENERAL NOTES:

THE GENERAL NOTES AS DESCRIBED HEREIN, APPLY TO ALL DRAWINGS IN THIS PACKAGE WHERE APPLICABLE:

 PENETRATIONS IN WALLS OR SEPERATIONS, REQUIRING PROTECTED OPENINGS SHALL BE FIRESTOPPED WITH AN APPROVED MATERIAL.
 EXPOSED WIRING SHALL NOT BE PERMITTED. WIRING SHALL BE RECESSED IN

WALL, OR WHERE WALLS ARE NOT ACCESSIBLE DUE TO WALL CONSTRUCTION (CONCRETE BLOCK, CONCRETE, BRICK, ETC), PROVIDE CONDUIT AS REQUIRED TO CONCEAL SAME.
 REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS, INCLUDING

3. REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS, INCLUDING MILLWORK DETAILS AND SHOP DRAWINGS FOR COORDINATION OF ELECTRICAL DEVICE LOCATIONS, METHOD OF INSTALLATION & MOUNTING HEIGHTS.
ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.

UNLESS NOTED OTHERWISE, THE CIRCUITING INDICATED ON THE DRAWINGS IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING REQUIREMENTS ON SITE.
 CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUITING REQUIREMENTS. UNLESS

INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

MINIMUM CONDUIT SIZE SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE
 CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT/LINE.

EMPTY CONDUIT SHALL BE C/W PULL WIRE AND PLASTIC BUSHINGS.
 ALL CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY. ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB SHALL BE

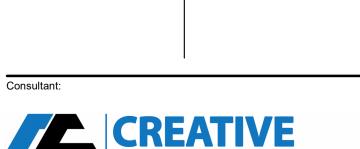
METAL. RACEWAY BELOW THE FLOOR SLAB AND UNDERGROUND RACEWAY OUTSIDE THE STRUCTURE SHALL BE PVC.

10. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH

WHERE CONNECTED TO A 20A. BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
 DATA OUTLETS, FIRE ALARM DEVICES SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING, SEE STUB UP DETAIL. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED

6' LONG FLEXIBLE METAL CONDUIT.

13. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.



North Arrow:

STRUCTURES

CS@CREATIVESTR.CA

Seal:

Seal:

General Notes:

Site Plan:

IT IS THE RESPONSIBILITY OF THE OWNER, GENERAL AND/OR TENANT CONTRACTOR AND ALL SUB-TRADES TO BE FAMILIAR WITH THE PROJECT AS A WHOLE. ALL DISCREPANCIES AND DIMENSIONAL ERRORS ON THE PLANS AND RELATED DOCUMENTS MUST BE REPORTED TO CREATIVE STRUCTURES (CS) PRIOR TO COMMENCING ANY WORK.

DO NOT SCALE DRAWING. 'FOR CONSTRUCTION DRAWINGS' MUST HAVE

ORIGINAL CONSULTANTS STAMP AND SIGNATURE. ALL CONSTRUCTION AND MATERIALS MUST CONFORM WITH APPLICABLE CODES AND C.M.H.C. STANDARDS AND BE APPROVED BY OWNER

THE CONTENTS OF THIS DRAWING REMAIN THE COPYRIGHT PROPERTY OF

CREATIVE STRUCTURES (CS) AND SHALL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF CREATIVE STRUCTURES.

THESE DRAWINGS AND ALL DETAILS ARE FOR THIS PROJECT ONLY AND SHOULD NOT BE USED FOR ANY OTHER WORK.

SHOULD NOT BE USED FOR ANY OTHER WORK.

IT IS THE RESPONSIBILITY OF THE APPROPRIATE CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON SITE AND REPORT ALL ERRORS AND / OR OMISSIONS TO CREATIVE STRUCTURES LTD. PRIOR TO COMMENCING WORK. ALL DIMENSIONS AND LEVELS ARE APPROXIMATE AND SHOULD BE CONFIRMED

ALL CONTRACTORS MUST COMPLY WITH ALL PERTINENT BUILDING CODE REGULATIONS AND BYLAWS HAVING JURISDICTION.

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNTIL IT HAS BEEN STAMPED BY CREATIVE STRUCTURES LTD. AND A BUILDING PERMIT HAS BEEN ISSUED AND MARKED "ISSUED FOR CONSTRUCTION". THE DRAWINGS SHALL NOT BE USED FOR PRICING, COSTING, OR TENDER UNLESS INDICATED IN THE REVISION COLUMN AND THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS MUST INCLUDE ALLOWANCES FOR THIS WITH NO LIABILITY ON CREATIVE STRUCTURES LTD.

BY OWNER AND GENERAL CONTRACTOR PRIOR CONSTRUCTION.

CONSTRUCTION TO BE ACCORDING TO BEST COMMON PRACTICE.

CONTRACTOR IS FULLY RESPONSIBLE FOR MATTERS AFFECTING
CONSTRUCTION.

ANY MATERIAL ALTERATIONS CARRIED OUT DURING CONSTRUCTION BY THE CONTRACTOR OR ASSOCIATED SUB-CONTRACTOR SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO INSTALL. FAILURE TO DO SO RESULTS IN FULL CONTRACTOR RESPONSIBILITY FOR SYSTEMS AFFECTED.

ELECTRICAL - GENERAL NOTES: 26 00 00 GENERAL ELECTRICAL

THE ELECTRICAL SPECIFICATION FORMS PART OF THE CONTRACT DOCUMENTS AND IS TO BE READ, INTERPRETED AND COORDINATED WITH ALL OTHER PARTS AND DIVISIONS. THE WORD "PROVIDE" SHALL BE TAKEN TO MEAN SUPPLY, INSTALL, TEST AND

COMMISSION.

3 REGULATORY REQUIREMENTS:

REGULATORY REQUIREMENTS:

1 COMPLY WITH ALL REQUIREMENTS OF THE CURRENT BUILDING CODE AND OF THE ONTARIO ELECTRICAL SAFETY CODE (CURRENT EDITION) INCLUDING ALL APPLICABLE AMENDMENTS OR RULES REGULATING THE INSTALLATION OF ELECTRICAL EQUIPMENT. IN NO INSTANCES, HOWEVER, SHALL THE STANDARDS ESTABLISHED BY CONTRACT DOCUMENTS BE REDUCED BY ANY OF THESE CODES

3.2 WHERE REQUIRED BY REGULATIONS, BEFORE STARTING WORK SUBMIT THE APPROPRIATE QUANTITY OF PLANS AND SPECIFICATIONS TO THE ELECTRICAL INSPECTION DEPARTMENT AND OBTAIN ALL NECESSARY PERMITS. INCLUDE ALL COSTS OF PLAN APPROVALS AND ALL PERMIT FEES IN THIS TENDER.

3.3 ARRANGE FOR INSPECTION (AS WELL AS ATTENDANCE DURING VERIFICATION) OF THE WORK BY ALL APPLICABLE AUTHORITIES HAVING JURISDICTION. INCLUDE ALL INSPECTION COSTS IN THE TENDER PRICE.
 3.4 UPON COMPLETION OF AND BEFORE FINAL PAYMENT WILL BE MADE, PRESENT TO THE CONSULTANT A CERTIFICATE OF UNCONDITIONAL APPROVAL FOR ALL ELECTRICAL WORK FROM THE ELECTRICAL INSPECTION DEPARTMENT AND OTHER

4 RESPONSIBILITY

4.1 SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT TOOLS AND INCIDENTALS
NECESSARY TO PROVIDE A COMPLETE ELECTRICAL INSTALLATION AS INDICATEI
ON THE DRAWINGS AND AS SET OUT IN THESE SPECIFICATIONS.
COORDINATE ALL ELECTRICAL WORK WITH THE WORK OF OTHER TRADES AND
PROVIDE THE NECESSARY CONNECTIONS TO ENERGIZE ALL ITEMS OF EQUIPME
PROVIDED BY OTHER TRADES

5 EXISTING CONDITIONS AND DEMOLITION

AUTHORITIES HAVING JURISDICTION.

SUBMISSION OF A TENDER FOR THIS WORK SHALL BE TAKEN THAT THE CONTRACTOR HAS MADE A THOROUGH EXAMINATION OF THE SITE AND EXISTING CONDITIONS.

5.2 EXAMINE DRAWINGS OF ALL OTHER TRADES AND ALLOW FOR ALL WORK SUCH AS THE REMOVAL AND RE-INSTALLATION OF ELECTRICAL LUMINAIRES, EQUIPMENT, DEVICES, WIRING, RACEWAYS, ETC. WHERE SUCH WORK IS REQUIRED DUE TO ALTERNATIONS IN OR ABOUT THE EXISTING BUILDING. REMOVE ALL SURPLUS CONDUITS, WIRING, LUMINAIRES, AND DEVICES IN RENOVATED AREAS. BLANK OFF OR REMOVE ALL UNUSED OUTLET BOXES.

5.3 REMOVE ALL ELECTRICAL DEVICES AS INDICATED ON THE DEMOLITION PLANS. ALL OTHER EXISTING ELECTRICAL DEVICES ARE TO REMAIN.
 5.4 ALL SURPLUS ELECTRICAL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE CONSIDERED THE OWNER'S PROPERTY UNLESS OTHERWISE NOTED. DURING DEMOLITION DETERMINE FROM THE OWNER WHICH MATERIALS THEY WISH TO KEEP. TRANSPORT AND STORE SUCH ITEMS AT A LOCATION ON SITE AS DIRECTED BY THE OWNER. ALL OTHER SURPLUS ELECTRICAL EQUIPMENT, DEVICES AND

RECEIPT FOR SURPLUS MATERIAL TURNED OVER TO THE OWNER AND SUBMIT COPY OF RECEIPT TO THE CONSULTANT.

5.5 PERMIT NO INTERRUPTIONS TO THE ELECTRIC POWER, FIRE ALARM, COMMUNICATIONS, OR OTHER SIMILAR SERVICES IN THE EXISTING BUILDING DURING NORMAL WORKING HOURS. ADVISE THE OWNER AND/OR TENANT IN WRITING OF ANY INTENDED INTERRUPTIONS OUTSIDE OF THESE NORMAL HOURS. INCLUDE TIME AND DURATION OF OUTAGE AND OBTAIN THE OWNER'S AND/OR TENANT'S PERMISSION PRIOR TO SCHEDULED INTERRUPTIONS. THE OWNER OR TENANT MAY CANCEL SUCH INTERRUPTIONS IN EMERGENCIES AT THE LAST MINUTES WITHOUT PENALTY OR EXTRA COST.

MINUTES WITHOUT PENALTY OR EXTRA COST.

5.6 ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO EXISTING SERVICES AND SYSTEMS. SHOULD ANY TEMPORARY CONNECTIONS BE REQUIRED TO MAINTAIN SERVICES DURING WORK IN THE EXISTING BUILDING, SUPPLY AND INSTALL ALL NECESSARY MATERIAL AND EQUIPMENT AND PROVIDE ALL LABOUR AT NO EXTRA COST. INCLUDE IN THE TENDER PRICE FOR REMOVAL OF SUCH TEMPORARY CONNECTIONS AT COMPLETION OF THE WORK.

6 BASIC MATERIALS

6.1 ALL MATERIALS SUPPLIES SHALL BE NEW, OF THE QUANTITIES INDICATED AND BE BEST COMMERCIAL QUALITY OBTAINABLE FOR THE PURPOSE.

7 APPROVALS
7.1 APPROVAL V

7.1 APPROVAL WILL BE REVIEWED ONLY DURING THE PRICING PERIOD. ALL SUBMISSIONS SHALL INCLUDE THE FOLLOWING INFORMATION: NAME AND IDENTIFICATION OF SPECIFIED ITEM, MANUFACTURER, BRAND NAME AND CATALOGUE NUMBER OF THE ALTERNATIVE ITEM PROPOSED AND DETAILED TECHNICAL INFORMATION AND CHARACTERISTICS OF THE ALTERNATE ITEM.

8 SHOP DRAWINGS

8.1 SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS. ALL SHOW DRAWINGS SHALL CLEARLY INDICATE THE PROJECT NAME AND SHALL BEAR THE NAME OR IDENTIFICATION OF EACH PIECE OF EQUIPMENT. CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS AND AFFIX DEVICED STAND PROPERTY OF CHAMBELON.

REVIEW STAMP PRIOR TO SUBMISSION.

8.2 REVIEW OF THE SHOP DRAWINGS DOES NOT INFER ANY COMMENTS ON QUANTITIES LISTED ON THE DRAWINGS.

8.3 SUBMIT SHOP DRAWINGS FOR ALL LUMINAIRES, EMERGENCY BATTERIES UNITS AND REMOTE HEADS AND EXIT SIGNS.

9 AS-BUILT DRAWINGS

9.1 MAINTAIN IN THE JOB SITE OFFICE, IN AN UP-TO-DATE CONDITION (1) COMPLETE SET OF THE ELECTRICAL CONTRACT DRAWINGS INCLUDING REVISION DRAWINGS, MARKED CLEARLY AND INDELIBLY IN RED. INDICATING "AS-BUILT" CONDITIONS

SET OF THE ELECTRICAL CONTRACT DRAWINGS INCLUDING REVISION DRAWINGS MARKED CLEARLY AND INDELIBLY IN RED, INDICATING "AS-BUILT" CONDITIONS WHERE SUCH CONDITIONS DEVIATE FROM THE ORIGINAL DIRECTIONS OF THE CONTRACT DOCUMENTS AND INDICATING FINAL INSTALLATION OF DEVICES AND BRANCH CIRCUITS.

RACEWAYS AND CABLES
LOCATION OF JUNCTION BOXES AND PULLBOXES
LOCATION OF ACCESS PANELS
LOCATION OF ALL CONDUIT, INSTALLED EQUIPMENT, DEVICES AND

FIXTURES

ALL CHANGES TO ELECTRICAL INSTALLATION RESULTING FROM ADDENDA, CHANGE ORDERS, FIELD INSTRUCTIONS AND CONTRACTORS CHANGES

EXACT LOCATION OF ALL SERVICES LEFT FOR FUTURE WORK

10 WALL, CEILING AND FLOOR PENETRATIONS

10.1 ANY AND ALL PENETRATIONS THROUGH WALLS, CEILINGS, AND FLOORS (FIRE, SMOKE, SOUND AS WELL AS ALL OTHER PENETRATIONS) MUST BE SEALED AFTER THE INSTALLATION OF ALL WIRING AND RACEWAYS TO MAINTAIN THE INTEGRITY OF THE SEPARATIONS IN A MANNER APPROVED BY THE CONSULTANT AND AUTHORITIES HAVING JURISDICTION. USE SEALING MATERIAL AS MANUFACTURED BY FIRE STOP SYSTEMS, 3M FIRE BARRIER SYSTEM AND APPROVED EQUAL.

10.2 PATCHING NEW STRUCTURES SHALL BE FINISHED TO MATCH THEIR ORIGINAL

FINISH OR INTENDED FINISH. SEAL ALL SLOTS, CORE HOLES ETC. NOT BEING

USED.

0.3 ALL HOLES REQUIRED THROUGH STRUCTURAL STEEL FABRICATIONS AND REINFORCING SHALL BE CARRIED OUT BY AUTHORIZED PERSONNEL AS APPROVED BY THE CONSULTANT AND STRUCTURAL ENGINEER TO THEIR COMPLETE SATISFACTION AND SHALL BE PAID FOR BY THE ELECTRICAL

APPROVED BY THE CONSULTANT AND STRUCTURAL ENGINEER TO THEIR COMPLETE SATISFACTION AND SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR.

10.4 CONTRACTOR SHALL BE RESPONSIBLE TO X-RAY ALL PENETRATIONS PRIOR TO

IDENTIFICATION

11.1 IDENTIFY ALL PIECES OF ELECTRICAL EQUIPMENT (INCLUDING EACH AND EVERY RECEPTACLE) OTHER THAN CONDUITS AND CONDUCTORS WITH ENGRAVED LAMINATED PLASTIC NAMEPLATES OR BROTHER P-TOUCH LABELS HAVING 3mm MINIMUM HEIGHT. BLACK CHARACTERS ON WHITE BACKGROUND FOR NORMAL POWER. ATTACH AL LAMACOID LABELS, UNLESS OTHERWISE DIRECTED, WITH SILICONE CEMENT.
 11.2 ALL JUNCTION AND PULLBOXES FOR CONDUITS, DUCTS AND OTHER RACEWAYS IN

CONCEALED CEILING AND FLOOR SPACES SHALL PERMANENTLY MARKED USING A BLACK FELT PEN AS FOLLOWS: (WHERE CEILING SPACE IS PAINTED OUT, PUT MARKING ON THE INSIDE OF COVERPLATES).

• FOR LIGHTING AND POWER SHOW THE COMPLETE CIRCUIT NUMBER OF ALL ENCLOSED CIRCUITS.

• FOR ALL COMMUNICATIONS AND FIRE ALARM SHOW THE USAGE (I.E. "FIRE ALARM"; "TELEPHONE").

12. MOUNTING HEIGHTS

12.1 IN AREAS WHERE THERE ARE NO CONFLICT WITH OTHER TRADES, MOUNTING HEIGHTS SPECIFIED HEREIN SHALL BE USED. MOUNTING ARE FROM FINISHED FLOOR LEVEL TO CENTRE LINE OF DEVICE OUTLET, UNLESS NOTED OTHERWISE.

• WALL RECEPTACLES: 300mm
• TELEPHONE OUTLETS: 300mm

TELEPHONE OUTLETS: 300mm
 THERMOSTATS: 1520mm
 FIRE ALARM BELLS: 2300mm
 FIRE ALARM MANUAL PULL STATION: 1200mm
 END OF LINE RESISTOR: 1830mm

FIRE ALARM MANUAL POLL STATION: 1200mm
 END OF LINE RESISTOR: 1830mm
 LOCAL BRANCH CIRCUIT LIGHTING SWITCHES: 1200mm
 LIGHTING AND POWER PANELS: 1800mm FROM FLOOR TO TOP OF PANEL

26 05 19 BUILDING WIRE AND CABLE

13. UNLESS OTHERWISE DIRECTED, BUILDING WIRE AND CABLE SHALL BE OF COPPER CONDUCTORS.
14. USE NO WIRE NO SMALLER THAN #12AWG UNLESS OTHERWISE DIRECTED.

EXCEPT WHERE OTHERWISE DIRECTED OR REQUIRED BY CODE OR OTHER APPLICABLE REGULATIONS BUILDING WIRE AND CABLE INSULATION SHALL BE TYPE RW90, CROSS-LINK POLYETHYLENE INSULATED FOR 600V AND RATED NOT LESS THAN 90 DEG. C.

15. ALL INTERIOR BRANCH CIRCUIT WIRING SHALL USE ELECTRICAL METALLIC TUBING (EMT). EXTERIOR INSTALLATIONS SHALL BE GALVANIZED RIGID STEEL OR RIGID

PVC.

16. ALL FIRE ALARM CABLING SHALL BE RUN IN EMT CONDUIT.

17. ARMOURED CABLE MAY BE USED FOR THE FOLLOWING:

17.1 DROPS TO INDIVIDUAL LUMINAIRES AND SHALL MAXIMUM LENGTH OF 1.5m. DAISY

CHAINING OF LUMINAIRES NOT ALLOWED.

7.2 FINAL CONNECTIONS TO TRANSFORMERS, MOTORS, AND OTHER VIBRATING EQUIPMENT.

8. CONDUCTORS FOR LIGHTING AND OTHER BRANCH CIRCUITS SHALL HAVE AMPACITY NOT LESS THAN THE RATING OF THE OVERCURRENT DEVICE PROTECTING THE BRANCH CIRCUIT AND SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3% FROM THE PANELBOARD TO THE LAST OUTLET OF THE

CIRCUIT. THE LENGTH OF THE BRANCH CIRCUIT TO BE USED IN THE DETERMINATION OF THE REQUIRED WIRE SIZE SHALL BE THE TOTAL DISTANCE FROM THE ASSOCIATED PANELBOARD TO THE LAST DEVICE IN THE CIRCUIT. IN NO CASE SHALL THE WIRE SIZES BE LESS THAN THAT INDICATED BELOW:

120V, 1PHASE, 15A CIRCUIT:

0 – 25m: #12AWG MIN.
 25 – 40m: #10AWG MIN.
 OVER 40m: #8AWG MIN.
 120V, 1PHASE, 20A CIRCUIT:
 0 – 20m: #12AWG MIN.
 20 – 30m: #10AWG MIN.

• OVER 30m: #8 AWG MIN. 26 05 26 GROUNDING AND BONDING

9. SUPPLY AND INSTALL AL GROUNDING TO CONFIRM WITH THE ONTARIO ELECTRICAL SAFETY CODE AND INSTRUCTION OF THE INSPECTION AUTHORITY WITH FURTHER REQUIREMENTS AS NOTED HEREIN OR ON DRAWINGS.

9. PROVIDE SEPARATE AND PROPERLY SIZE GROUND WIRE AND FITTINGS FOR ALL FLEXIBLE CONDUIT CONNECTIONS.

EACH RECEPTACLE AND LIGHTING SWITCH SHALL HAVE A GROUNDING CONDUCTOR INSTALLED BETWEEN ITS GROUNDED OUTLET BOX AND THE GROUNDING TERMINAL ON THE RECEPTACLE
 PROVIDE INDIVIDUAL #6 AWG GROUNDING CONNECTIONS TO ALL

COMMUNICATIONS EQUIPMENT AND COMMUNICATION RACKS AND/OR CABINETS.

26 05 29 ELECTRICAL SUPPORTING DEVICES

3. ALL DEVICES, OUTLET BOXES AND RACEWAYS SHALL BE SOLIDLY FASTENED TO BUILDING IN A SECURE AND SOLID MANNER. RACEWAYS NOT EXPOSED TO VIEW SHALL BE FASTENED TO BUILDING STRUCTURE.

26 05 33 CONDUITS

24. ALL INTERIOR BRANCH CIRCUIT WIRING SHALL BE IN ELECTRICAL METALLIC

TUBING (EMT). ALL FEEDERS SHALL BE IN RIGID GALVANIZED STEEL.

25. ALL FIRE ALARM CABLING SHALL BE RUN IN EMT CONDUIT.

26. CUT CONDUIT SQUARE USING A SAW OR PIPE CUTTER; DEBURR CUT ENDS.

27. USE CONDUIT HUBS OR SEALING LOCKNUTS FOR FASTENING CONDUITS TO CAST

BOXES AND FOR FASTENING CONDUITS TO CAST LOCATIONS.

28. USE 90 DEG BENDS TO MAKE CHANGES IN DIRECTION. CONDUIT BODIES ARE NOT

TO BE USE

29. AVOID MOISTURE TRAPS WHERE POSSIBLE; WHERE UNAVOIDABLE, PROVIDE JUNCTION BOX WITH DRAIN FITTING AT CONDUIT LOW POINT.

30. USE SUITABLE CONDUIT CAPS TO PROTECT INSTALLED CONDUIT AGAINST ENTRANCE OF DIRT AND MOISTURE.

31 PROVIDE #12 AWG INSULATED CONDUCTOR OR SUITABLE PULL STRING IN EMPTY CONDUITS, EXCEPT SLEEVES AND NIPPLES.
 32. INSTALL EXPANSION DEFLECTION JOINTS WHERE CONDUIT CROSSES BUILDING EXPANSION JOINTS

33. CONCEAL CONDUITS IN ALL AREAS EXCEPT IN MECHANICAL AND ELECTRICAL ROOMS.
 34. ALL CONDUITS SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND BE

34. ALL CONDUITS SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND BE SOLIDLY SUPPORTED FROM BUILDING STRUCTURE (I.E. SUPPORT FROM DUCTWORK, CEILING SYSTEM, ETC. IS NOT PERMITTED).

26 05 34 BOXES

35. UNLESS OTHERWISE NOTED OR SPECIFIED HEREIN, INSTALL ALL OUTLETS FLUSH

WITH FINISHED WALLS.

36. UNLESS OTHERWISE DIRECTED, ALL OUTLET BOXES SHALL BE ONE-PIECE FORMED, GALVANIZED, CODE GAUGE STEEL. PLASTIC OR PVC TYPE BOXES ARE NOT ACCEPTABLE.

37. COORDINATE WORK CAREFULLY WITH OTHER TRADES TO PROVIDE EASY ACCESS TO ALL JUNCTION AND PULL BOXES.
 38. ALL OUTLET, JUNCTION AND PULLBOXES SHALL BE COMPLETE WITH COVER.

26 24 16 BRANCH CIRCUIT PANELBOARDS

39. ACCEPTABLE MANUFACTURERS:39.1 SIEMENS,

39.1 SIEWENS, 39.2 SCHNEIDER/SQUARE D,

39.3 EATON.39.4 SUBSTITUTIONS: NOT PERMITTED

40. CSA C22.2 NO.29 CIRCUIT BREAKER TYPE, LIGHTING AND APPLIANCE BRANCH CIRCUIT PANEL BOARD

PANELBOARD BUS: COPPER WITH RATINGS. PROVIDE COPPER GROUND BUS IN PANELBOARD. MINIMUM INTEGRATED SHORT CIRCUIT RATINGS AS INDICATED ON THE ELECTRICAL SINGLE LINE DIAGRAM. RATINGS SHALL BE BASED ON A FULLY RATED SYSTEM.
 MOULDED CASE CIRCUIT BREAKERS: NEMA AB I, BOLT-ON TYPE, THERMAL

42. MOULDED CASE CIRCUIT BREAKERS: NEMA AB I, BOLT-ON TYPE, THERMAL MAGNETIC TRIP CIRCUIT BREAKER, WITH COMMON TRIP HANDLE FOR ALL POLES, LISTED AS TYPE SWD FOR LIGHTING CIRCUITS, TYPE HACR FOR AIR CONDITIONING EQUIPMENT CIRCUITS, CLASS A GROUND FAULT INTERRUPTER CIRCUIT BREAKERS WHERE SCHEDULED, DO NOT USE TANDEM CIRCUIT BREAKERS.

43. ENCLOSURE: TYPE 1, UNLESS NOTED OTHERWISE.
 44. INSTALL PANELBOARD TO CSA C22.1.
 45. HEIGHT: 1800mm TO TOP OF PANELBOARD; INSTALL PANELBOARD TALLER THAN 1800mm WITH BOTTOM NO MODE THAN 100mm AROVE ELOOP.

45. HEIGHT: 1800mm TO TOP OF PANELBOARD; INSTALL PANELBOARD TALLER 1800mm WITH BOTTOM NO MORE THAN 100mm ABOVE FLOOR.
46. PROVIDE ENGRAVED PLASTIC NAMEPLATES.

26 27 26 WIRING DEVICES

47. RECEPTACLES:

47.1 DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, CSA 5-20R UNLESS

NOTED OTHERWISE.

47.2 MANUFACTURES: HUBBELL, LEVITON, PASS \$ SEYMOUR

47.3 OTHER RECEPTACLE TYPES AS INDICATED ON PLANS

47.3 OTHER RECEPTACLE TYPES AS INDICATED ON PLANS
47.4 ALL RECEPTACLES SHALL BE OF ONE MANUFACTURER

47.4 ALL RECEPTACLES SHA
48 LIGHTING SWITCHES:

48.1 ALL LINE VOLTAGE SWITCHES SHALL SPECIFICATION GRADE, DECORA STYLE, 20A, SINGLE POLE OR AS INDICATED ON DRAWINGS.

48.2 MANUFACTURES: HUBBELL, LEVITON, PASS \$ SEYMOUR48.3 ALL DEVICES SHALL BE OF ONE MANUFACTURER

26 51 13 LUMINAIRES

49 LUMINAIRES ARE INDICATED IN THE LUMINAIRE SCHEDULE BY MEANS OF TYPE LETTERS WHICH CORRESPOND TO SIMILAR LETTERS ON PLANS.
 50. FOR EXACT LOCATION OF CEILING MOUNTED LUMINAIRES, REFER TO

ARCHITECTURAL CEILING PLAN.

51. PROVIDE LUMINAIRE TYPES AS INDICATED ON LIGHTING SCHEDULE. ALTERNATES MUST BE REVIEWED AND APPROVED PRIOR TO SHOP DRAWING STAGE.

26 53 50 EMERGENCY LIGHTING UNITS

52. EMERGENCY LIGHTING UNITS SHALL BE FOR OPERATION AT 120 OR 347VAC C/W WITH SOLID STATE CHARGER, STATUS INDICATORS, SEALED MAINTENANCE-FREE LEAD ACID 24VDC BATTERIES. PROVIDE PRORATED WARRANTY. BATTERY WATTAGE IS AS INDICATED ON DRAWINGS.
 53. EMERGENCY LIGHTING HEADS, ADJUSTABLE LED TYPE.

54. ACCEPTABLE MANUFACTURERS: BEGHELLI, READY-LITE, LUMACELL, OR PRE-APPROVED EQUIVALENT.

55. BATTERY UNITS SHALL BE DIRECT CONNECTED TO LOCAL AREA LIGHTING CIRCUIT FOR AC BRANCH CIRCUIT FAILURE PROTECTION AS REQUIRED BY CODE.

26 53 00 EXIT SIGNS

56. ALL EXIT SIGNS SHALL CONFORM TO CURRENT CSA C860 STANDARDS. ALL WIRING SHALL CONFORM TO ONTARIO ELECTRICAL SAFETY CODE 46-400.

 EXIT SIGNS SHALL NOT BE SUPPORTED ON T-BAR TILES OR DRYWALL. THEY SHALL BE SUPPORTED FROM CEILING SUPPORT SYSTEM (I.E. T-BAR GRID). PROVIDE HORIZONTAL BACK SUPPORT SYSTEM AS REQUIRED. 2 APR 02, 2024 No. Date

ISSUES/REVISION TABLE



ROAD. EAST. - CRU #5

Drawing Title:

GENERAL ELECTRICAL NOTES I

Drawn By: D.H. Scale: AS INDICATED

Checked By: W.A.

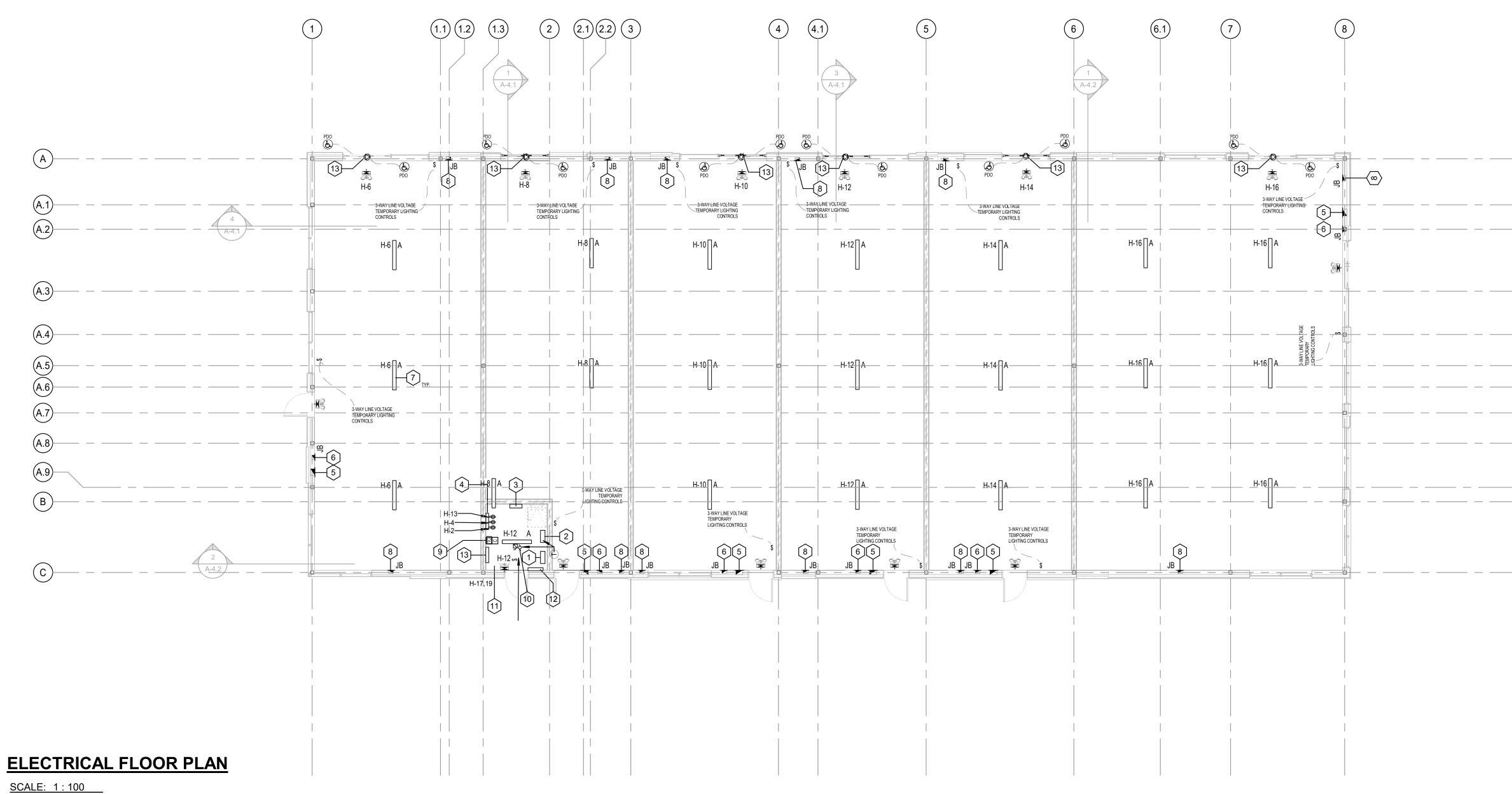
Project Date: JAN 2024

Project No: 2023-102

E001

Revision

Plot Date: APR. 02-2024



ELECTRICAL KEYNOTES (DENOTED BY):

1. LOCATION OF THE MAIN DISCONNECT SWITCH

2. LOCATION OF THE METER STACK, TYPICAL SIZE: 30"W x 8"D x 72"H.

3. LOCATION OF HOUSE PANEL 20"W x 6"D x 48"H.

4. LOCATION OF FIRE RATED PLYWOOD BACKBOARD FOR COMMUNICATION DEMARC. PROVIDE #6 BOND BACK TO BUILDING GROUND. TYPICAL SIZE: 48"L X 96"H X 3/4"T. PROVIDE (2) DEDICATED RECEPTACLES TO BE FED FROM HOUSE PANEL.

5. LOCATION OF FUTURE TENANT ELECTRICAL PANEL. REFER TO DRAWING E300 FOR MORE DETAIL. COORDINATE PANEL LOCATION WITH TENANT'S DRAWINGS PRIOR TO ROUGH-IN.

6. JUNCTION BOX FOR TENANTS COMMUNICATION SERVICES. CONFIRM EXACT MOUNTING & LOCATION ON SITE. RUN 2" CONDUIT FROM JUNCTION BOX TO COMMUNICATION BACKBOARD WITHIN MECHANICAL ROOM.

7. TEMPORARY LIGHTING TO BE FED FROM HOUSE PANEL. TYPICAL AS INDICATED. FINAL LIGHTING LAYOUT BY TENANT.

8. PROVIDE ROUGH-IN FOR TENANT SIGNAGE TO BE LOCATED AT HIGH LEVEL. PROVIDE 3/4" CONDUIT C/W PULL STRING TO TENANT PANEL LOCATION (TYPICAL).

9. LOCATION OF EXTERIOR LIGHTING CONTROLS.

10. EXHAUST FAN EF-1, 120V 1PH. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DISCONNECTING MEANS AT UNIT.

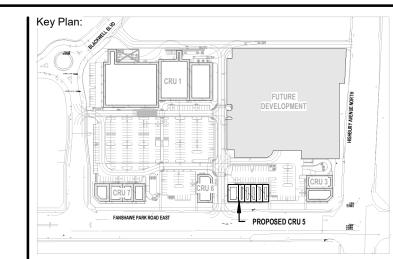
11. MECH/ELEC ROOM. REFER TO DRAWING E300 FOR DISTRIBUTION DIAGRAM DETAILS.

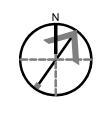
12. 3.0kW ELECTRIC HEATER EH-1. REFER TO DRAWING M002 FOR ELECTRICAL HEATER SCHEDULE.

13. AUTOMATIC DOOR OPERATOR LOCATION. PROVIDE 120V WIRING AND CONNECTIONS. SUPPLY LOW VOLTAGE CONDUIT AND CONDUCTORS. CONFIRM REQUIREMENTS WITH SUPPLIER. CONFIRM ALL LOCATIONS WITH G.C. AND DOOR OPERATOR INSTALLER PRIOR TO ROUGH-IN.

LIGHTING FIXTURE SCHEDULE							
TY	PE	DESCRIPTION					
	TYPE 'A'	4' LED FIXTURE, LITHONIA LIGHTING, CAT# ZL1N L48 ASR 3000LM L/LENS MVOLT 35K 80CRI WH					

- SEE THE SPECIFICATIONS ON SHEET E002 SECTION 26 53 50 EMERGENCY LIGHTING
- UNITS FOR EMERGENCY LIGHTING BATTERY PACK SPECIFICATIONS. COORDINATE ALL PANEL FINAL LOCATIONS WITH OWNER REPRESENTATIVE.





North Arrow:



General Notes:

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CONSTRUCTION TO BE ACCORDING TO BEST COMMON PRACTICE. CONSTRUCTION.

ANY MATERIAL ALTERATIONS CARRIED OUT DURING CONSTRUCTION BY THE CONTRACTOR OR ASSOCIATED SUB-CONTRACTOR SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO INSTALL. FAILURE TO DO SO RESULTS IN FULL CONTRACTOR RESPONSIBILITY FOR SYSTEMS AFFECTED.

ISSUES/REVISION TABLE

1300 FANSHAWE PARK

ROAD. EAST. - CRU #5 1300 FANSHAWE PARK ROAD. EAST. LONDON, ON.

Drawing Title:

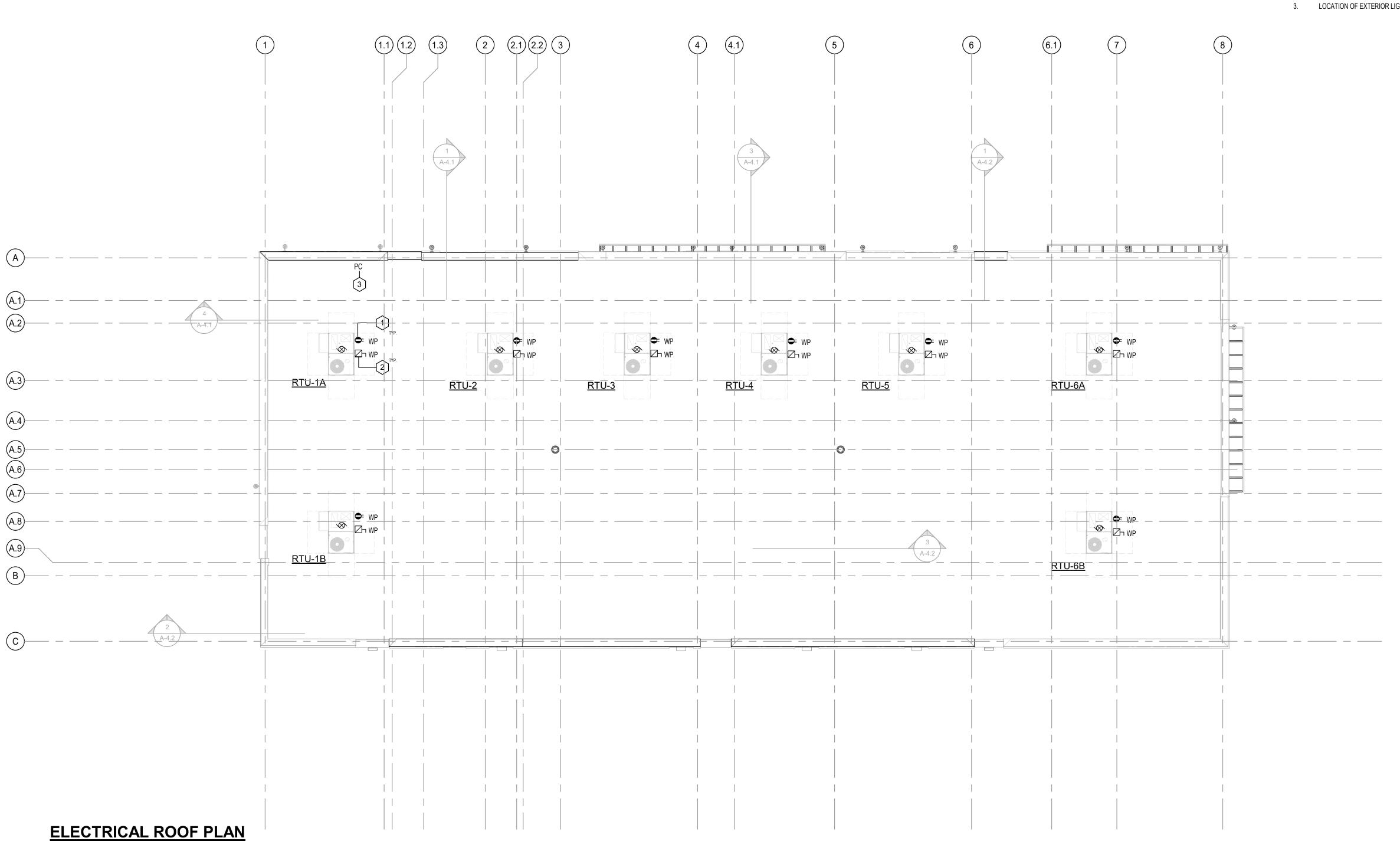
ELECTRICAL LAYOUT -FLOOR PLAN

Drawn By: D.H. Scale: AS INDICATED Plot Date: APR. 02-2024 Checked By: W.A.

Project Date: JAN 2024

Project No: 2023-102

Revision



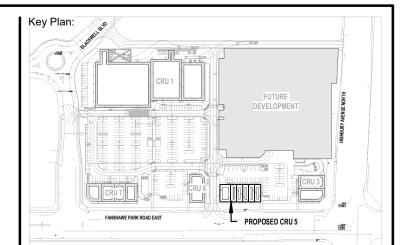
SCALE: 1:100

GENERAL NOTES:

- ALLOW ADEQUATE SPACING AROUND ALL CONDUIT & CABLE PENETRATIONS FOR PROPER FIRE STOPPING. CONSULT WITH G.C. ON SITE. ELECTRICAL CONTRACTOR TO ENSURE ARMOURED & COMMUNICATION CABLES ARE NOT RUN IN CONTACT WITH CPVC SPRINKLER OR WATER PIPING.
- ELECTRICAL CONTRACTOR TO ENSURE ARMOURED & COMMUNICATION CABLES ARE NOT RUN IN CONTACT WITH CPVC SPRINKLER OR WATER PIPING.
- ENSURE EXIT LIGHTS ARE VISIBLE BELOW ALL PIPING AND OBSTRUCTIONS.
- NO SERVICES ARE TO BE INSTALLED IN TRANSFORMER VAULTS, ELEVATOR MACHINE ROOMS OR EXIT STAIRWELLS UNLESS THEY SERVE THE ROOM THEY ARE INSTALLED IN, OR ARE INSTALLED WITHIN A FIRE RATED BULKHEAD.

ELECTRICAL KEYNOTES (DENOTED BY): \

- 1. ALL RECEPTACLES ON THE ROOF ARE TO BE MOUNTED AT 36" ABOVE THE TOP OF THE ROOFING MATERIAL AND PROTECTED FROM MECHANICAL DAMAGE. ENSURE GFCI' PROTECTION (TYPICAL).
- 2. ROOT TOP UNITS PROVIDED BY MECHANICAL. ELECTRICAL CONTRACTOR TO INSTALL AND PROVIDE WEATHERPROOF NON-FUSED DISCONNECTING MEANS AT UNIT. RUN FEEDER BACK TO ELECTRICAL SERVICE LOCATION FOR THAT TENANT. REFER TO DISTRIBUTION DIAGRAM ON DRAWING E300 (TYPICAL).
- 3. LOCATION OF EXTERIOR LIGHTING PHOTOCELL.



Site Plan: North Arrow:



General Notes:

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REGULATIONS AND BYLAWS HAVING JURISDICTION.

WITH NO LIABILITY ON CREATIVE STRUCTURES LTD. CONSTRUCTION TO BE ACCORDING TO BEST COMMON PRACTICE.

CONTRACTOR IS FULLY RESPONSIBLE FOR MATTERS AFFECTI CONSTRUCTION.

ANY MATERIAL ALTERATIONS CARRIED OUT DURING CONSTRUCTION BY THE CONTRACTOR OR ASSOCIATED SUB-CONTRACTOR SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO INSTALL. FAILURE TO DO SO RESULTS IN FULL CONTRACTOR RESPONSIBILITY FOR SYSTEMS AFFECTED.

ISSUES/REVISION TABLE



ROAD. EAST. - CRU #5 1300 FANSHAWE PARK ROAD. EAST. LONDON, ON.

ELECTRICAL LAYOUT -**ROOF PLAN**

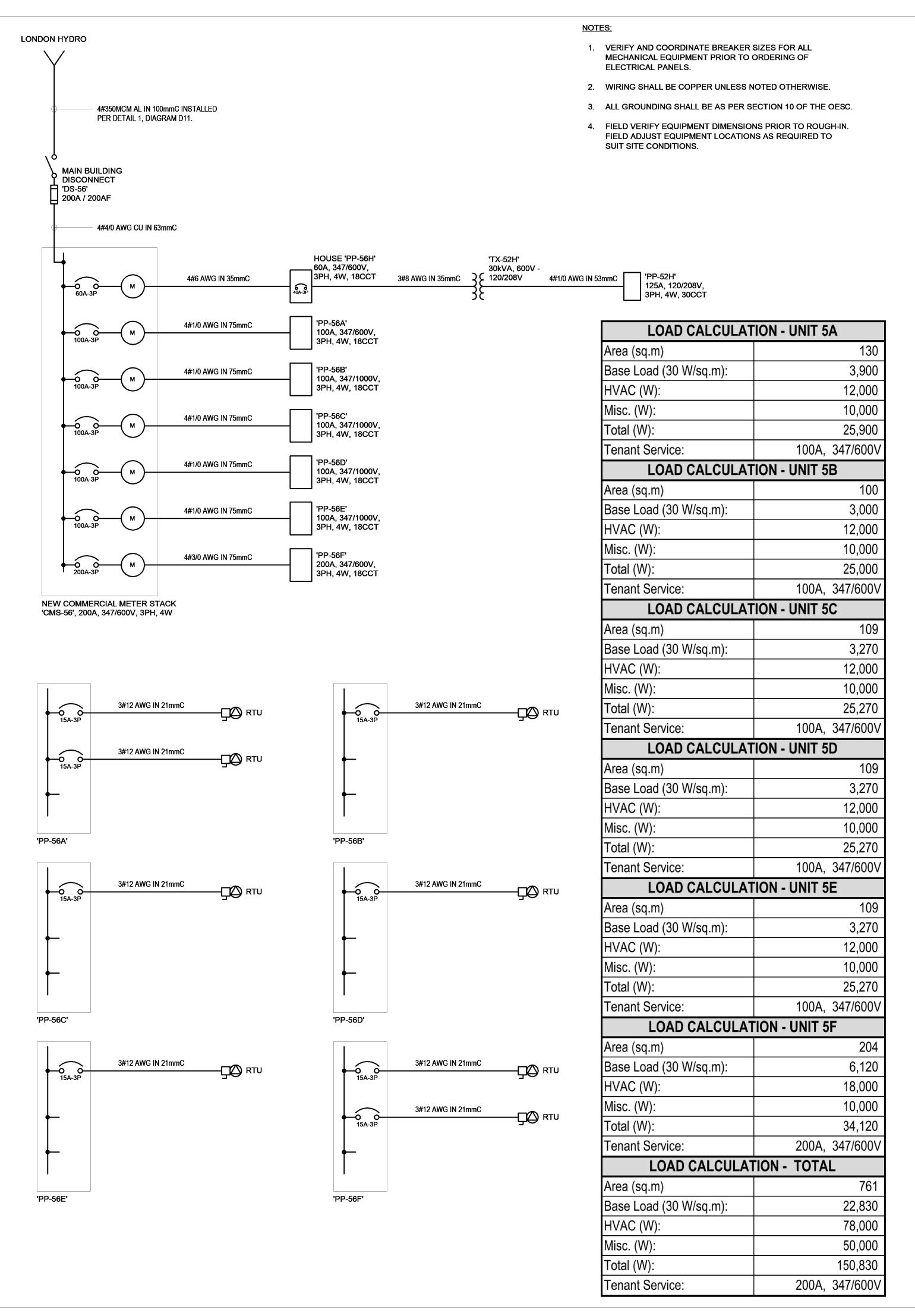
Scale: AS INDICATED Drawn By: D.H. Plot Date: APR. 02-2024

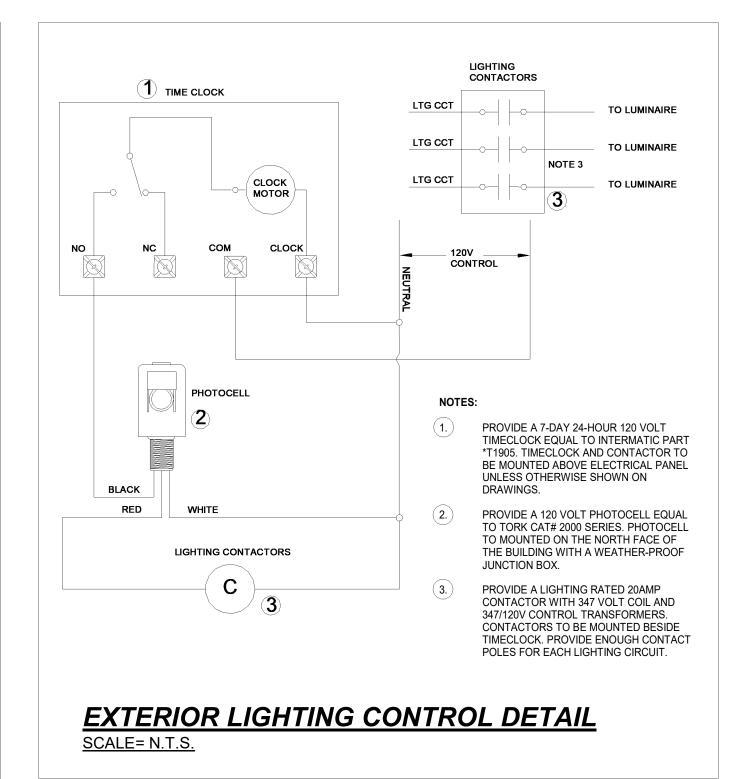
Project Date: JAN 2024

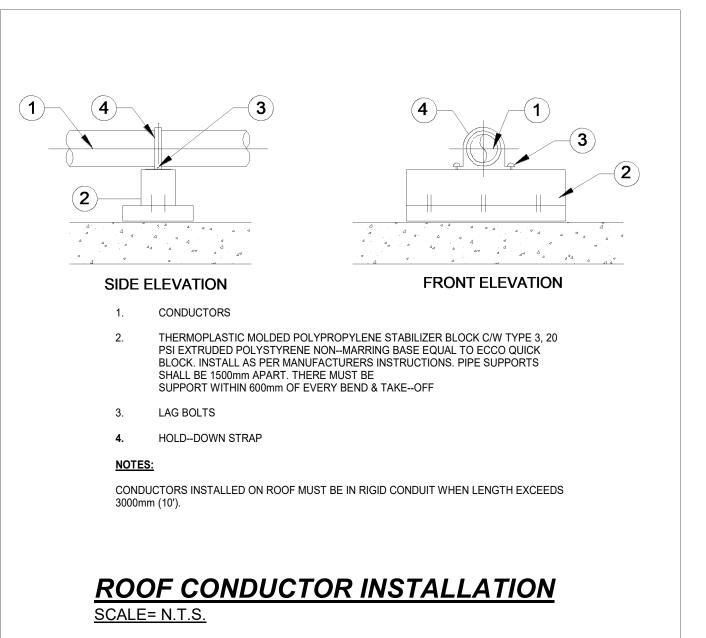
Checked By: W.A.

Project No: 2023-102

Revision



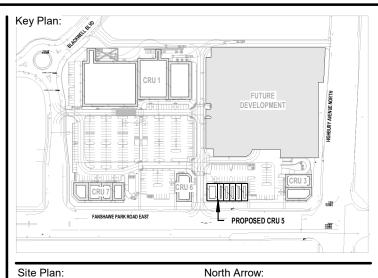






MOUNTING: SURFACE PANEL: PP-2H **VOLTAGE**: 120/208 PAHASE: 3 PHASE, 4 WIRE **MAINS**: 100A **LOCATION**: ELEC RM.

2007 KITOKI EEEO TKIVII										
DESCRIPTION	WIRE SIZE	VA	BREAK	ER	Ø	BF	REAKER	VA	WIRE SIZE	DESCRIPTION
EXTERIOR LIGHT			20A	1	А	2	20A			EXTERIOR LIGHT
EXTERIOR LIGHT			20A	3	В	4	20A			EXTERIOR LIGHT
EXTERIOR LIGHT			20A	5	С	6	20A			INTERIOR LIGHTS
PDO			20A	7	А	8	20A			INTERIOR LIGHTS
INTERIOR LIGHTS			20A	9	В	10	20A			INTERIOR LIGHTS
EF-1			20A	11	С	12	20A			INTERIOR LIGHTS
HEATER			20A	13	А	14	20A			INTERIOR LIGHTS
HVAC RECEP			20A	15	В	16	20A			HVAC RECEP
HVAC RECEP			20A	17	С	18	20A			HVAC RECEP
HVAC RECEP			20A	19	Α	20	20A			EXTERIOR LIGHT
HVAC RECEP			20A	21	В	22	20A			SPARE
HVAC RECEP			20A	23	С	24	20A			SPARE





General Notes:

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ISSUES/REVISION TABLE

1300 FANSHAWE PARK ROAD. EAST. - CRU #5

1300 FANSHAWE PARK ROAD. EAST. LONDON, ON.

DISTRIBUTION DIAGRAM AND ELECTRICAL **DETAILS**

Scale: AS INDICATED Drawn By: D.H. Plot Date: APR. 02-2024 Checked By: W.A. Project Date: JAN 2024 Project No: 2023-102 Drawing No: Revision

E300