			LEGEND	OF ELECTRICAL SYM	IBOLS		
	LIGHTING		MECHANICAL		COMMUNICATION SYSTEMS		FIRE ALARM
Ø	RECESSED LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE		MOTOR		VOICE OUTLET		SMOKE ALARM
¤	SURFACE LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE		THREE-PHASE MOTOR		DATA OUTLET	AC AC	SMOKE ALARM/CARBON MONOXIDE ALARM
¤	WALL LED / INCANDESCENT / COMPACT FLUORESCENT	Ó	MOTOR C/W DISCONNECT SWITCH		COMBINATION VOICE/DATA OUTLET	AC AC	SMOKE ALARMICARBON MONOXIDE ALARM C/W STROBE
Ø	LED / INCANDESCENT / COMPACT FLUORESCENT WALL	HÓ	MOTOR C/W MANUAL STARTER	\square	TELEVISION OUTLET		SMOKE DETECTOR
~ Ø	WASHER RECESSED LED / INCANDESCENT / COMPACT FLUORESCENT		UNFUSED DISCONNECT SWITCH	\square	COMBINATION VOICE/TELEVISION OUTLET		SMOKE DETECTOR IN CEILING PLENUM
<u>×</u>	LUMINAIRE ON EMERGENCY POWER SURFACE LED / INCANDESCENT / COMPACT FLUORESCENT		FUSED DISCONNECT SWITCH		FLOOR MOUNTED VOICE OUTLET		SMOKE DE TEOTOR IN DELETION ELHOW
<u></u>	LUMINAIRE ON EMERGENCY POWER WALL LED / INCANDESCENT / COMPACT FLUORESCENT				FLOOR MOUNTED VOICE OUTLET		RATE OF RISE HEAT DETECTOR
<u>*</u>	LUMINAIRE ON EMERGENCY POWER		COMBINATION MAGNETIC STARTER/DISCONNECT SWITCH				
	RECESSED FLUORESCENT LUMINAIRE		MAGNETIC STARTER		FLOOR MOUNTED COMBINATION VOICE/DATA OUTLET		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	0	THERMOSTAT		CEILING MOUNTED DATA OUTLET	<u> </u>	DUCT SMOKE DETECTOR - 'SA' DENOTES SUPPLY AIR, 'RA' DENOTES RETURN AIR
	WALL FLUORESCENT LUMINAIRE ON EMERGENCY POWER	(SE)	SENSOR		CEILING MOUNTED TELEVISION OUTLET		DUCT SMOKE DETECTOR C/W SHUTDOWN RELAY
	FLUORESCENT STRIP LUMINAIRE		MOTOR IDENTIFICATION TAG (REFER TO MECHANICAL SCHEDULE)	Μ	MICROPHONE OUTLET	PS	FIRE ALARM PULL STATION
	FLUORESCENT STRIP LUMINAIRE		BASEBOARD HEATER	P	PA SPEAKER - CEILING MOUNTED	IFS	SPRINKLER FLOW SWITCH
	RECESSED FLUORESCENT LUMINAIRE ON EMERGENCY POWER		POWER	P	PA SPEAKER - WALL MOUNTED	TŜ	SPRINKLER TAMPER SWITCH
	SURFACE FLUORESCENT LUMINAIRE ON EMERGENCY POWER	Φ	SINGLE/SPECIAL PURPOSE RECEPTACLE	V	VOLUME CONTROLLER	IPŜ	SPRINKLER PRESSURE SWITCH
<u> </u>	TRACK LIGHTING C/W LIGHTING HEADS AS SHOWN	φ	DUPLEX RECEPTACLE		СНІМЕ	ISV	SPRINKLER SUPERVISED VALVE
	POLE MOUNTED LUMINAIRE	•	ISOLATED GROUND RECEPTACLE	G	CLOCK - CEILING MOUNTED		END OF LINE RESISTOR
8	LIGHTING BOLLARD		GROUND FAULT RECEPTACLE		CLOCK - WALL MOUNTED	FO	FIRE ALARM BELL
	LIGHTING LUMINAIRE TYPE TAG	_	SPLIT/SWITCHED CIRCUIT RECEPTACLE		PAC-POLE	F S	FIRE ALARM COMBINATION BELL AND STROBE
\otimes	EXIT LIGHT - CEILING (C/W ARROWS AS INDICATED)	Ŭ	20A T-SLOT RECEPTACLE	MD	WATER DETECTOR	 F<	FIRE ALARM HORN
$\overline{\bigotimes}$	EXIT LIGHT - WALL (C/W ARROWS AS INDICATED)		FOURPLEX RECEPTACLE		GROUND BAR	F₹	FIRE ALARM COMBINATION HORN AND STROBE
<u> </u>	EMERGENCY POWER BATTERY PACK				BACKBOARD		FIRE ALARM MINI HORN/STROBE WITH SILENCE BUTTON
			ISOLATED GROUND FOURPLEX RECEPTACLE				
	EMERGENCY POWER BATTERY PACK C/W LIGHTING HEADS	М	COMPUTER DUPLEX RECEPTACLE (FED W/ DEDICATED NEUTRAL)			•	FIRE ALARM MINI HORN WITH SILENCE BUTTON
18 I	EMERGENCY POWER BATTERY PACK C/W 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	Φ	FLOOR MOUNTED RECEPTACLE	<u> </u>	SECURITY HORN		FIRE ALARM MINI SPEAKER WITH SILENCE BUTTON
40	DOUBLE REMOTE EMERGENCY LIGHTING HEAD - CEILING MOUNT	4	FLOOR MOUNTED ISOLATED GROUND RECEPTACLE	ě.	PUSH BUTTON	(F)	FIRE ALARM SPEAKER - CEILING MOUNTED
4	SINGLE REMOTE EMERGENCY LIGHTING HEAD - WALL MOUNT	₩		[DH]	MAGNETIC DOOR HOLD OPEN	(F)	FIRE ALARM COMBINATION SPEAKER/STROBE - CEILING MOUNTED
44	DOUBLE REMOTE EMERGENCY LIGHTING HEAD - WALL MOUNT		FLOOR MOUNTED COMPUTER DUPLEX RECEPTACLE W/DEDICATED NEUTRAL		MAGNETIC LOCK	H(F)	FIRE ALARM SPEAKER - WALL MOUNTED
555	SWITCH - SINGLE, TWO, AND THREE GANG	•	CEILING MOUNTED SINGLE/SPECIAL PURPOSE RECEPTACLE	[ES]	ELECTRIC STRIKE	H(F)	FIRE ALARM COMBINATION SPEAKER/STROBE - WALL MOUNTED
s^2	2 POLE SWITCH	\square	CEILING MOUNTED DUPLEX RECEPTACLE		DOOR POSITION SWITCH	F	FIRE PHONE
\oplus ³	SWITCH - 3 WAY		CEILING MOUNTED JUNCTION/SLAB BOX	REX	REQUEST TO EXIT SENSOR	IM	ISOLATION MODULE
\oplus	SWITCH - LOW VOLTAGE		FLOOR MOUNTED JUNCTION/SLAB BOX	(MS)	SECURITY MOTION SENSOR		SUITE AUDIBLE ISOLATOR
\$	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
\$	SWITCH - DIMMER SWITCH		ELECTRICAL PANELBOARD - RECESSED		INTERCOM		GENERAL
 \$	SWITCH - OCCUPANCY SENSOR SWITCH	С	CONTACTOR	<u> </u>	SECURITY STROBE		CONDUIT CONCEALED IN WALL OR CEILING
 5 ^P	SWITCH C/W PILOT LIGHT - SINGLE GANG		CAR PLUG POST		CCTV CAMERA		CONDUIT CONCEALED IN SLAB OR RUN UNDERGROUND
 5	SWITCH - TIMER SWITCH	ت ع	TIME CLOCK	G	GLASS BREAKAGE SENSOR		
	PHOTO ELECTRIC CELL		SINGLE PHASE DIRECT CONNECTION	K	KEYPAD		CONDUIT DOWN
	OCCUPANCY SENSOR - CEILING MOUNTED		THREE PHASE DIRECT CONNECTION		INTERCOM	•	CONDUIT STUB
0S 🔊							
	DAYLIGHT HARVESTING LIGHT SENSOR	0-60	DROP CORD	[RM]	RELAY MODULE		
	ON / OFF ROOM CONTROLLER					WP	DENOTES WEATHERPROOF DEVICE
						NL	DENOTES UNSWITCHED LUMINAIRE (NIGHT LIGHT)
0L)	0-10V DIMMING CONTROLLER						
						R	DENOTES DEVICE TO REMOVE OR RELOCATE
(PL) [RC] [DM]	0-10V DIMMING CONTROLLER					R	DENOTES RELOCATED DEVICE
(PL) (RC] (DM]	0-10V DIMMING CONTROLLER						
(DL) (RC) (DM)	0-10V DIMMING CONTROLLER					RL	DENOTES RELOCATED DEVICE

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. REGULATORY REQUIREMENTS:
- COMPLY WITH ALL REQUIREMENTS OF THE CURRENT BUILDING CODE AND OF THE 3.1 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 OR REGULATIONS WHERE REQUIRED BY REGULATIONS. BEFORE STARTING WORK SUBMIT TH
- 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. 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. UPON COMPLETION OF AND BEFORE FINAL PAYMENT WILL BE MADE, PRESENT TO HE CONSULTANT A CERTIFICATE OF UNCONDITIONAL APPROVAL FÓR AL ELECTRICAL WORK FROM THE ELECTRICAL INSPECTION DEPARTMENT AND OTHER AUTHORITIES HAVING JURISDICTION.
- RESPONSIBILITY SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO PROVIDE A COMPLETE ELECTRICAL INSTALLATION AS INDICATED 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 EQUIPMENT
- 4.2 PROVIDED BY OTHER TRADES EXISTING CONDITIONS AND DEMOLITION
- SUBMISSION OF A TENDER FOR THIS WORK SHALL BE TAKEN THAT THE 5.1 CONTRACTOR HAS MADE A THOROUGH EXAMINATION OF THE SITE AND EXISTING
- CONDITIONS. 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 5.2 ERNATIONS 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 LUMINAIRES SHALL BE REMOVED FROM THE SITE. REQUEST FOR A SIGNED RECEIPT FOR SURPLUS MATERIAL TURNED OVER TO THE OWNER AND SUBMIT COPY OF RECEIPT TO THE CONSULTANT.
- PERMIT NO INTERRUPTIONS TO THE ELECTRIC POWER, FIRE ALARM, 5.5 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.
- ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO EXISTING SERVICES AND STEMS. SHOULD ANY TEMPORARY CONNECTIONS BE REQUIRED TO MAINTAIN SERVICES DURING WORK IN THE EXISTING BUILDING, SUPPLY AND INSTALL AL NECESSARY MATERIAL AND EQUIPMENT AND PROVIDE ALL LABOUR AT NO EXTRA COST. INCLUDE IN THE TENDER PRICE FOR REMOVAL OF SUCH TEMPORARY ONNECTIONS AT COMPLETION OF THE WORK. BASIC MATERIALS
- 6.1 ALL MATERIALS SUPPLIES SHALL BE NEW, OF THE QUANTITIES INDICATED AND BE BEST COMMERCIAL QUALITY OBTAINABLE FOR THE PURPOSE.

APPROVALS

- APPROVAL WILL BE REVIEWED ONLY DURING THE PRICING PERIOD. AL 7.1 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 ECHNICAL INFORMATION AND CHARACTERISTICS OF THE ALTERNATE ITEM. SHOP DRAWINGS 8
- 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 REVIEW STAMP PRIOR TO SUBMISSION.
- REVIEW OF THE SHOP DRAWINGS DOES NOT INFER ANY COMMENTS ON 8.2 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 REVISIÓN 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
- 9.2 SUCH MARKINGS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING: ALL CHANGES IN CIRCUITING ROUTING OF CONDUITS NUMBER AND AWG OF CONDUCTORS (#10 AWG AND LARGER) IN
 - 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 AN 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 10.3 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 CONTRACTOR 10.4 CONTRACTOR SHALL BE RESPONSIBLE TO X-RAY ALL PENETRATIONS PRIOR TO
- CORING. 11 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
	IN AREAS WHERE THERE ARE NO CONFLICT WITH OTHER TRADES, MOUNTING ITS SPECIFIED HEREIN SHALL BE USED. MOUNTING ARE FROM FINISHED FLOOR . TO CENTRE LINE OF DEVICE OUTLET, UNLESS NOTED OTHERWISE. WALL RECEPTACLES: 300mm
	TELEPHONE OUTLETS: 300mm
	THERMOSTATS: 1520mm

FIRE ALARM BELLS: 2300mm FIRE ALARM MANUAL PULL 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

14

15.

17.1

17.2

18.

18.1

19.

20.

21.

22.

13. UNLESS OTHERWISE DIRECTED, BUILDING WIRE AND CABLE SHALL BE OF COPPER CONDUCTORS. 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. ALL INTERIOR BRANCH CIRCUIT WIRING SHALL USE ELECTRICAL METALLIC TUBING (EMT). EXTERIOR INSTALLATIONS SHALL BE GALVANIZED RIGID STEEL OR RIGID

ALL FIRE ALARM CABLING SHALL BE RUN IN EMT CONDUIT. ARMOURED CABLE MAY BE USED FOR THE FOLLOWING

DROPS TO INDIVIDUAL LUMINAIRES AND SHALL MAXIMUM LENGTH OF 1.5m. DAISY CHAINING OF LUMINAIRES NOT ALLOWED. FINAL CONNECTIONS TO TRANSFORMERS, MOTORS, AND OTHER VIBRATING

EQUIPMENT 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 THI 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 18.2 120V. 1PHASE. 20A CIRCUIT: 0 - 20m: #12AWG MIN 20 - 30m: #10AWG MIN OVER 30m: #8 AWG MIN.

26 05 26 GROUNDING AND BONDING

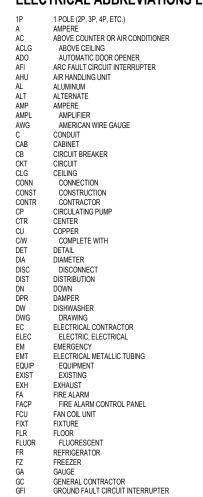
SUPPLY AND INSTALL AL GROUNDING TO CONFIRM WITH THE ONTARIO ELECTRICAL SAFETY CODE AND INSTRUCTION OF THE INSPECTION AUTHORITY VITH FURTHER REQUIREMENTS AS NOTED HEREIN OR ON DRAWINGS. PROVIDE SEPARATE AND PROPERLY SIZE GROUND WIRE AND FITTINGS FOR ALL FLEXIBLE CONDUIT CONNECTIONS. EACH RECEPTACLE AND LIGHTING SWITCH SHALL HAVE A GROUNDING CONDUCTOR INSTALLED BETWEEN ITS GROUNDED OUTLET BOX AND THE ROUNDING 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

23. 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.

ELECTRICAL ABBREVIATIONS LIST



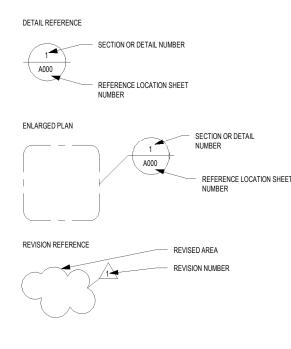


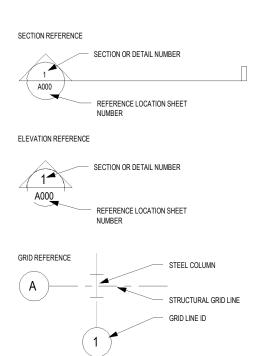
DRAWING REFERENCE SYMBOLS:

GROUND

GYPSUM BOARD

GYP BD





26 05 33 CONDUITS

- ALL INTERIOR BRANCH CIRCUIT WIRING SHALL BE IN ELECTRICAL METALLIC TUBING (EMT). ALL FEEDERS SHALL BE IN RIGID GALVANIZED STEEL.
- ALL FIRE ALARM CABLING SHALL BE RUN IN EMT CONDUIT. CUT CONDUIT SQUARE USING A SAW OR PIPE CUTTER. DEBURR CUT ENDS USE CONDUIT HUBS OR SEALING LOCKNUTS FOR FASTENING CONDUITS TO CAST
- BOXES AND FOR FASTENING CONDUITS TO SHEET METAL BOXES IN DAMP OR WET LOCATIONS
- USE 90 DEG BENDS TO MAKE CHANGES IN DIRECTION. CONDUIT BODIES ARE NOT 28. TO BE USE
- AVOID MOISTURE TRAPS WHERE POSSIBLE; WHERE UNAVOIDABLE, PROVIDE 29. JUNCTION BOX WITH DRAIN FITTING AT CONDUIT LOW POINT
- USE SUITABLE CONDUIT CAPS TO PROTECT INSTALLED CONDUIT AGAINST ENTRANCE OF DIRT AND MOISTURE.
- 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
- CONCEAL CONDUITS IN ALL AREAS EXCEPT IN MECHANICAL AND ELECTRICAL 33. ROOMS
- ALL CONDUITS SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND BE 34. SOLIDLY SUPPORTED FROM BUILDING STRUCTURE (I.E. SUPPORT FROM
- DUCTWORK, CEILING SYSTEM, ETC. IS NOT PERMITTED).

26 05 34 BOXES

30.

- UNLESS OTHERWISE NOTED OR SPECIFIED HEREIN, INSTALL ALL OUTLETS FLUSH 35. WITH FINISHED WALLS. UNLESS OTHERWISE DIRECTED, ALL OUTLET BOXES SHALL BE ONE-PIECE
- FORMED, GALVANIZED, CODE GAUGE STEEL. PLASTIC OR PVC TYPE BOXES ARE NOT ACCEPTABLE.
- 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

- ACCEPTABLE MANUFACTURERS: 39
- 39.1 SIEMENS, 39.2 SCHNEIDER/SQUARE D,
- 39.3 EATON. 39.4 SUBSTITUTIONS: NOT PERMITTED
- CSA C22.2 NO.29 CIRCUIT BREAKER TYPE, LIGHTING AND APPLIANCE BRANCH 40. CIRCUIT PANELBOARD.
- 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. 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. ENCLOSURE: TYPE 1, UNLESS NOTED OTHERWISE. 43. INSTALL PANELBOARD TO CSA C22.1.
- HEIGHT: 1800mm TO TOP OF PANELBOARD; INSTALL PANELBOARD TALLER THAN 45. 1800mm WITH BOTTOM NO MORE THAN 100mm ABOVE FLOOR. 46. PROVIDE ENGRAVED PLASTIC NAMEPLATES.

26 27 26 WIRING DEVICES

- 47. RECEPTACLES:
- NOTED OTHERWISE.
- 48 LIGHTING SWITCHES:

- 51.

- APPROVED EQUIVALENT.
- 26 53 00 EXIT SIGNS

- 48.3 ALL DEVICES SHALL BE OF ONE MANUFACTURER 26 51 13 LUMINAIRES
- ARCHITECTURAL CEILING PLAN.
- 26 53 50 EMERGENCY LIGHTING UNITS
 - WATTAGE IS AS INDICATED ON DRAWINGS.

 - FOR AC BRANCH CIRCUIT FAILURE PROTECTION AS REQUIRED BY CODE.

PR	OPOSED CRU 1B		
Site Plan:		North A	
Consultant:	CF ST	REAT 'RUC	IVE TURE
Seal:		Seal:	CS@CREATIVES
CONTRACTOR , WHOLE. ALL D RELATED DOCU PRIOR TO COM DO NOT SCALL ORIGINAL CONS MATERIALS MU STANDARDS AN THE CONTENTS CREATIVE STRI WHOLE OR IN F THESE DRAWIN SHOULD NOT B IT IS THE RESP VERIFY ALL DIN OMISSIONS TO ALL DIMENSION BY OWNER ANI ALL CONTRACT REGULATIONS THIS DRAWING STAMPED BY C ISSUED AND M/ NOT BE USED F REVISION COLL PRICES BASED WITH NO LIABIL CONSTRUCTIOI CONTRACTOR I CONTRACTOR I CONTRACTOR I THE ENGINEER	ONSIBILITY OF THE AND ALL SUB-TRAI ISCREPANCIES AN JMENTS MUST BE IMENCING ANY WO E DRAWING. 'FOR SULTANTS STAMP IST CONFORM WIT VD BE APPROVED I S OF THIS DRAWIN UCTURES (CS) AND PART WITHOUT WF NGS AND ALL DETA BE USED FOR ANY O ONSIBILITY OF THE MENSIONS ON SITE CREATIVE STRUCT S AND LEVELS AR D GENERAL CONTF TORS MUST COMPL AND BYLAWS HAV IMUST NOT BE USI REATIVE STRUCT ARKED 'ISSUED FO FOR PRICING, COS JMN AND THESE DRAWI LITY ON CREATIVE N TO BE ACCORDII IS FULLY RESPONS N. ALTERATIONS CAF	DES TO BE FAMILIA D DIMENSIONAL EF REPORTED TO CRE DRK. CONSTRUCTION D AND SIGNATURE. A H APPLICABLE COE BY OWNER G REMAIN THE COI D SHALL NOT BE CO SHALL NOT BE CO AND REPORT ALL TURES LTD. PRIOR E APPROPRIATE CO AND REPORT ALL TURES LTD. PRIOR E APPROXIMATE A RACTOR PRIOR CO .Y WITH ALL PERTI ING JURISDICTION. ED FOR CONSTRUCTION. TING, OR TENDER I RAWINGS ARE NOT NG TO BEST COMM SIBLE FOR MATTER RRIED OUT DURING UB-CONTRACTOR	PYRIGHT PROPERTY OF PIED OR REPRODUCEI F CREATIVE STRUCTUI PROJECT ONLY AND DNTRACTOR TO CHECK ERRORS AND / OR TO COMMENCING WOF ND SHOULD BE CONFIR NSTRUCTION. NENT BUILDING CODE CTION UNTIL IT HAS BEE UILDING PERMIT HAS EXTON UNTIL IT HAS BEE UILDING PERMIT HAS EXTON UNTIL IT HAS BEE UILDING PERMIT HAS EXTON UNTIL IT HAS BEE UILDING PERMIT HAS E ALLOWANCES FOR T ON PRACTICE. S AFFECTING CONSTRUCTION BY TH SHALL BE CONFIRMED ' SO RESULTS IN FULL
No. Da	^{2, 2024} ate		FOR TENDER evision TABLE
	ANSHAW CRU		ROAD. EAS
Drawing Title:	ENERA	L ELEC OTES	CTRICAL
Drawn By: Checked By: Project Date:		Scale: Plot Da	AS INDICAT te: APR 02, 202

Key Plan

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

47.2 MANUFACTURES: HUBBELL, LEVITON, PASS \$ SEYMOUR 47.3 OTHER RECEPTACLE TYPES AS INDICATED ON PLANS 47.4 ALL RECEPTACLES SHALL BE OF ONE MANUFACTURER

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 \$ SEYMOUR

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

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

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

53. EMERGENCY LIGHTING HEADS, ADJUSTABLE LED TYPE. ACCEPTABLE MANUFACTURERS: BEGHELLI, READY-LITE, LUMACELL, OR PRE-BATTERY UNITS SHALL BE DIRECT CONNECTED TO LOCAL AREA LIGHTING CIRCUIT

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.

GENERAL NOTES:

10.

12.

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

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 MILLWORK DETAILS AND SHOP DRAWINGS FOR COORDINATION OF ELECTRICAL DEVICE LOCATIONS, METHOD OF INSTALLATION & MOUNTING HEIGHTS.

ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS TAKE PRECEDENCE

UNLESS NOTED OTHERWISE, THE CIRCUITING INDICATED ON THE DRAWINGS IS

CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE

PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TC THE CIRCUIT BREAKER RATING AND VOLTAGE DROP REQUIREMENTS, UNLESS

INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE

EMPTY CONDUIT SHALL BE C/W PULL WIRE AND PLASTIC BUSHINGS.

MINIMUM CONDUIT SIZE SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE

CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS

ALL CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB SHALL BE

ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.

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

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

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

REPRESENTATIONAL ONLY. CONFIRM CIRCUITING REQUIREMENTS ON SITE.

- PENETRATIONS IN WALLS OR SEPERATIONS, REQUIRING PROTECTED OPENINGS SHALL BE FIRESTOPPED WITH AN APPROVED MATERIAL.

OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.

INDICATED ON PLAN BY DASHED CONDUIT/LINE.



c. 2-24"X24" REFRIGERATION PIT BOXES BELOW SLAB SUPPLIED AND INSTALLED BY LANDLORD. d. BASE BUILDING CONTRACTOR TO STUP CONDUIT AT 4' AFF FOR FUTURE EAM NETWORK CABLE.

a. SUPPLY AND INSTALL ONE PULL STRING IN EACH CONDUIT. b. RUN CONDUITS SURFACE MOUNT ON ALL. TERMINATE AT 13' AFF.

SLAB CONDUIT NOTES:

ANY NON APPROVED CABLING IS INSTALLED. D. ALL CONDUIT ON PERIMETER WALLS TO BE RECESSED IN WALL AND TERMINATED 12" ABOVE TENANT'S FINISHED CEILING HEIGHT.

FUTURE TENANT USE. C. BASE BUILDING CONTRACTOR TO NOTE THAT THE SALES AREA CEILING CAVITY IS USED AS A RETURN AIR PLENUM. ALL WIRING IN THE RETURN CAVITY IS TO BE INSTALLED IN CONDUIT OR BE FT6 RATED. REMOVE JACKET FROM ANY FT4 TECK CABLING WHICH IS NOT PERMITTED BY CODE. ALL DISCIPLINES INCLUDING AND NOT LIMITED TO DATA COMMUNICATIONS, SECURITY, SOUND AND ELECTRICAL CONTRACTOR ARE TO ADHERE TO APPLICABLE CODES AND STANDARDS. MONITOR INSTALLATION OF CABLING IN THE RETURN AIR PLENUM CAVITY. CONTACT THE CONSULTANT IF

B. ALL CONDUITS SHOWN BELOW FLOOR SLAB ARE TO BE SUPPLIED AND INSTALLED BY THIS CONTRACTOR AND ARE FOR

ROUGH IN.

GENERAL NOTES: A. COORDINATE LOCATION OF ALL IN FLOOR CONDUIT LOCATIONS WITH LATEST MERCHANDISING PLANS ISSUED BY S.D.M. PRIOR TO

* SHOPPERS DRUG MART LAYOUT INFORMATION TAKEN FROM PROPOSEDE FLOOR PLAN BY SHOPPERS DRUG MART DESIGN & CONSTRUCTION ONTARIO REGION DATED JAN 10, 2024. ISSEUD FOR FOP & STANDARDS UPDATE

1. EXTERIOR LIGHTING, COORDINATE LOCATIONS WITH

COMPLETED PER CURRENT ULC STANDARDS.

2. ALL FIRE ALARM SIGNALLING DEVICES SHALL NOT FACE THE

FRONT OF THE STORE. MOUNT HORN ON BACK OF COLUMNS. CONFIRM EXACT MOUNTING HEIGHT ON SITE. VERIFICATION TO BE

3. 208V, 3PH CONNECTION FOR 1HP DOCK LEVELER CONTROLLER

4. JUNCTION BOX FOR CANOPY LIGHTING BY THIS CONTRACTOR.

5. LOCATION OF REMOTE FIRE ALARM ANNUNCIATOR PANEL BY

'RA-1000 SERIES' MODEL 'BB1001D'. PROVIDE ADEQUATE ZONES

THIS CONTRACTOR. ANNUNCIATOR PANEL SHALL BE MIRCOM

6. 15A-120V CONNECTION FOR RECEIVING EXIT DOOR DEVICE.

(ARM-A-DOR SERIES A101-002). DOOR HARDWARE SUPPLIED AND INSTALLED BY G.C. AND ELECTRICAL CONNECTIONS ARE BY THIS

7. HARDWIRE CONNECTION FOR DOOR OPERATORS AND MOTION

COMPACTOR FROM MAIN DISTRIBUTION BOARD TO COMPACTOR CONTROLLER. PROVIDE AN ADDITIONAL 15A, 120V CONNECTION

9. PROVIDE A JUNCTION BOX FOR FUTURE EXTERIOR SECURITY

EQUIPMENT LOCATION. CONTRACTOR TO CONFIRM LOCATION.

AMOUNT, ROUTING AND TERMINATION ON SITE WITH SECURITY

CAMERA C/W 1"C AND PULL STRING BACK TO DVR AT I.T.

VENDOR PRIOR TO ROUGH-IN FINAL LOCATIONS TO BE DETERMINED BY LOSS PREVENTION.

SENSORS. ELECTRICAL CONTRACTOR TO PROVIDE ALL FINAL

8. 30A, 600V 3PH DISCONNECT SWITCH FOR GARBAGE

DRAWING NOTES:

AND DOCK LEVELER

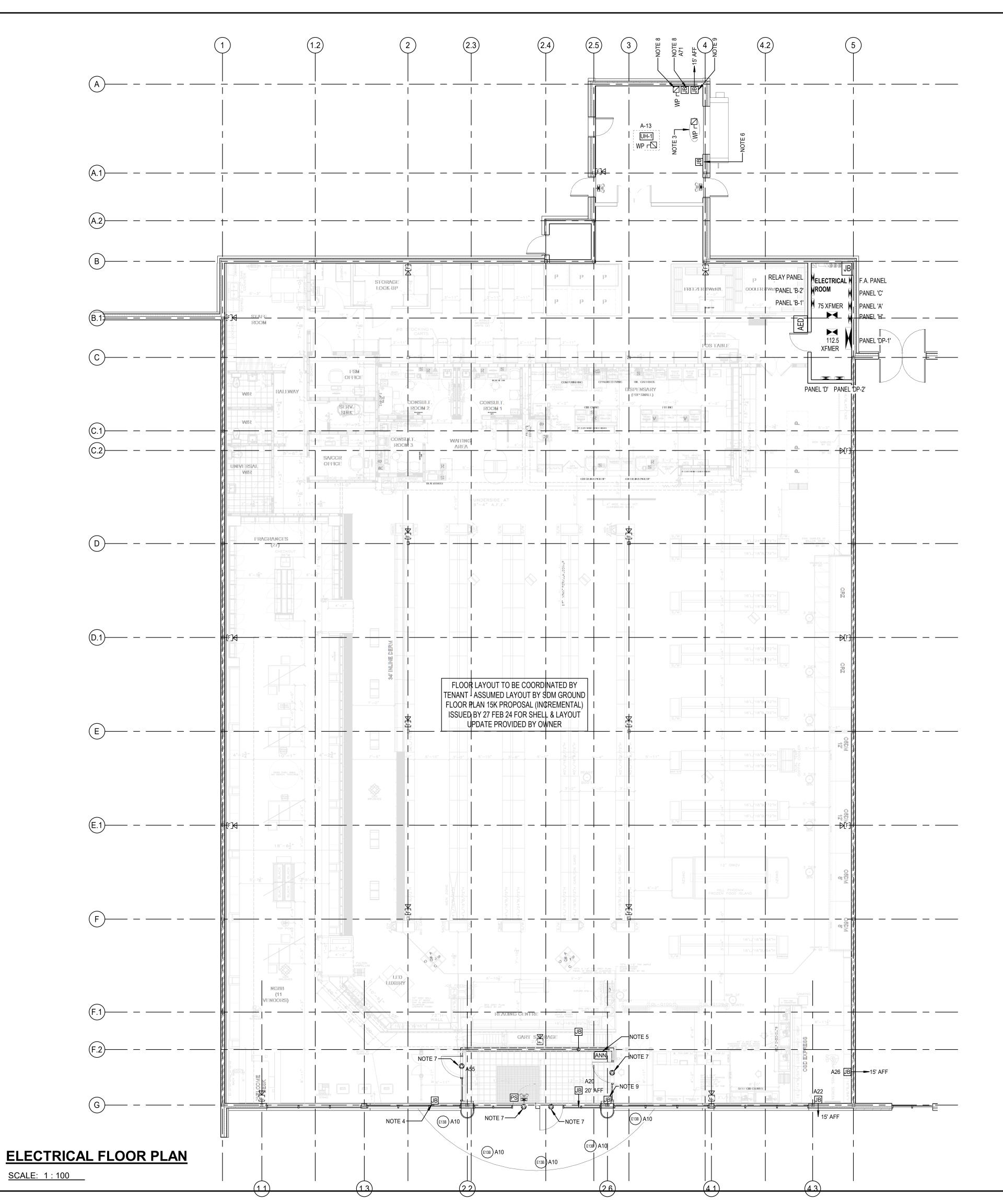
FOR FUTURE TENANT USE.

WIRING CONNECTIONS.

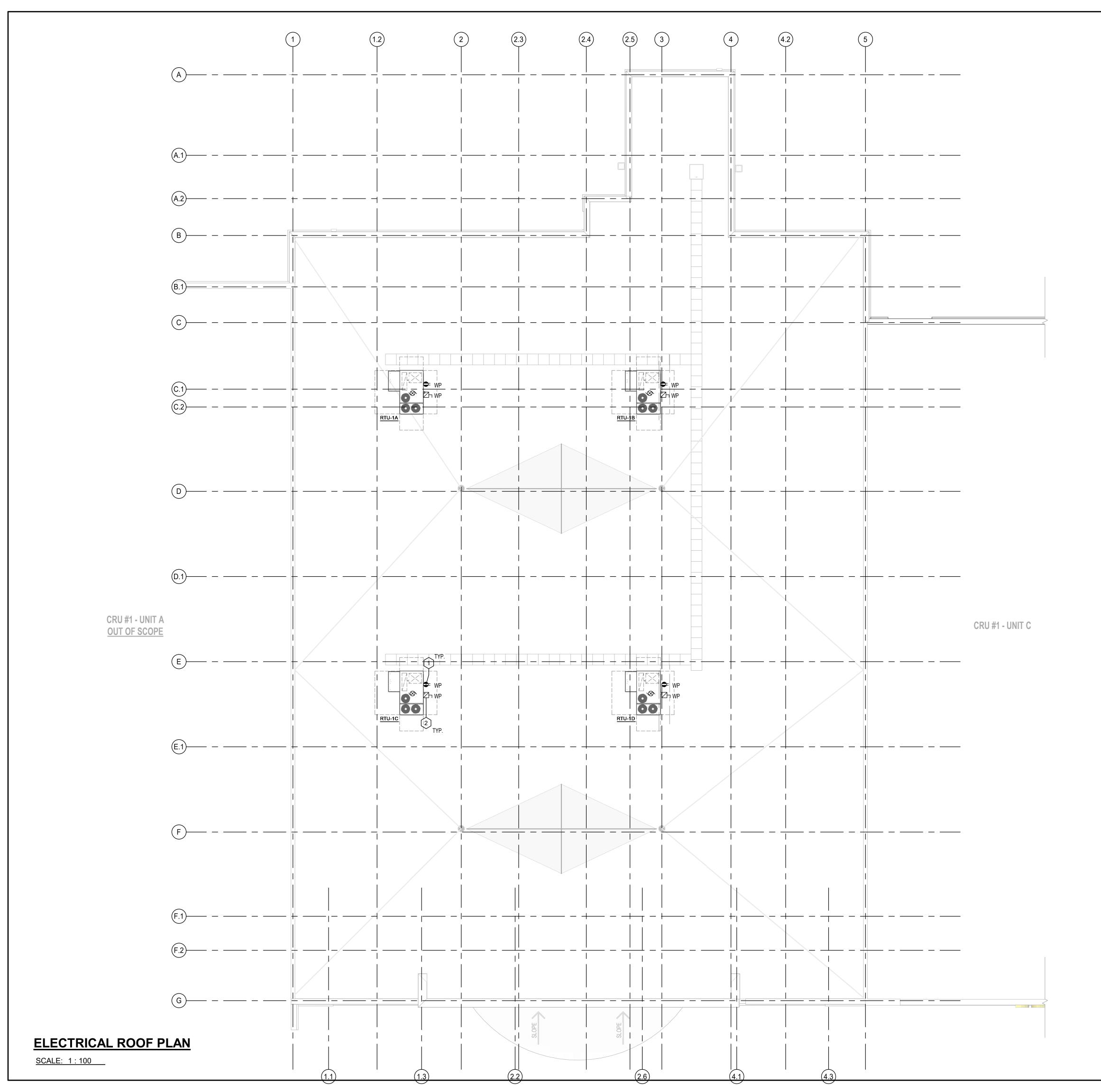
FOR CONTROLLER.

CONTRACTOR.

ARCHITECTURAL ELEVATIONS.



PROPOSED CRU 1B		FUTURE VELOPMENT
Site Plan:	North Arr	ow:
	EATI RUC	
General Notes: IT IS THE RESPONSIBILITY OF THE OV		AND/OR TENANT
CONTRACTOR AND ALL SUB-TRADES WHOLE: ALL DISCREPANCIES AND D RELATED DOCUMENTS MUST BE REF PRIOR TO COMMENCING ANY WORK DO NOT SCALE DRAWING. 'FOR CO ORIGINAL CONSULTANTS STAMP AND MATERIALS MUST CONFORM WITH A STANDARDS AND BE APPROVED BY (THE CONTENTS OF THIS DRAWING R CREATIVE STRUCTURES (CS) AND SF WHOLE OR IN PART WITHOUT WRITT THESE DRAWINGS AND ALL DETAILS SHOULD NOT BE USED FOR ANY OTH IT IS THE RESPONSIBILITY OF THE AF VERIFY ALL DIMENSIONS ON SITE AN OMISSIONS TO CREATIVE STRUCTURE ALL DIMENSIONS AND LEVELS ARE A BY OWNER AND GENERAL CONTRAC ALL CONTRACTORS MUST COMPLY V REGULATIONS AND BYLAWS HAVING THIS DRAWING MUST NOT BE USED FOR ALL CONTRACTORS MUST COMPLY V REGULATIONS AND BYLAWS HAVING THIS DRAWING MUST NOT BE USED FOR NOT BE USED FOR PRICING, COSTING REVISION COLUMN AND THESE DRAW PRICES BASED ON THESE DRAWING WITH NO LIABILITY ON CREATIVE STRUCTURE CONSTRUCTION TO BE ACCORDING '	IMENSIONAL ERF CORTED TO CREA C. INSTRUCTION DR D SIGNATURE. AL PPLICABLE CODE DWNER REMAIN THE COPY FALL NOT BE COPY FALL NOT BE COPY FALL NOT BE COPY FALL NOT BE COPY ARE FOR THIS PL FEN CONSENT OF ARE FOR THIS PL FOR CONSENT OF PROPRIATE CON D REPORT ALL E RES LTD. PRIOR CONS VITH ALL PERTINI JURISDICTION. FOR CONSTRUCTION". G, OR TENDER UN VINGS ARE NOT (S MUST INCLUDE RUCTURES LTD. TO BEST COMMO	RORS ON THE PLANS AND TIVE STRUCTURES (CS) AWINGS' MUST HAVE L CONSTRUCTION AND SS AND C.M.H.C. (RIGHT PROPERTY OF PIED OR REPRODUCED IN CREATIVE STRUCTURES. ROJECT ONLY AND ITRACTOR TO CHECK AND RRORS AND / OR O COMMENCING WORK. D SHOULD BE CONFIRMED STRUCTION. ENT BUILDING CODE ION UNTIL IT HAS BEEN ILDING PERMIT HAS BEEN THE DRAWINGS SHALL VLESS INDICATED IN THE COMPLETE AND ANY ALLOWANCES FOR THIS N PRACTICE.
ANY MATERIAL ALTERATIONS CARRIE CONTRACTOR OR ASSOCIATED SUB- THE ENGINEER PRIOR TO INSTALL F CONTRACTOR RESPONSIBILITY FOR	CONTRACTOR SI AILURE TO DO SO	HALL BE CONFIRMED WITH
1300 FANSHAWE PAR	EVISION EVISION PARK R #1-UNIT	ELOPMENT CORP OAD. EAST B
Drawing Title: ELECTRIC FLOC	al La R Pl <i>i</i>	
Drawn By: D.K. Checked By: W.A. Project Date: JAN 2024 Project No: 2023-102		AS INDICATED APR 02, 2024
Drawing No:	0	Revision

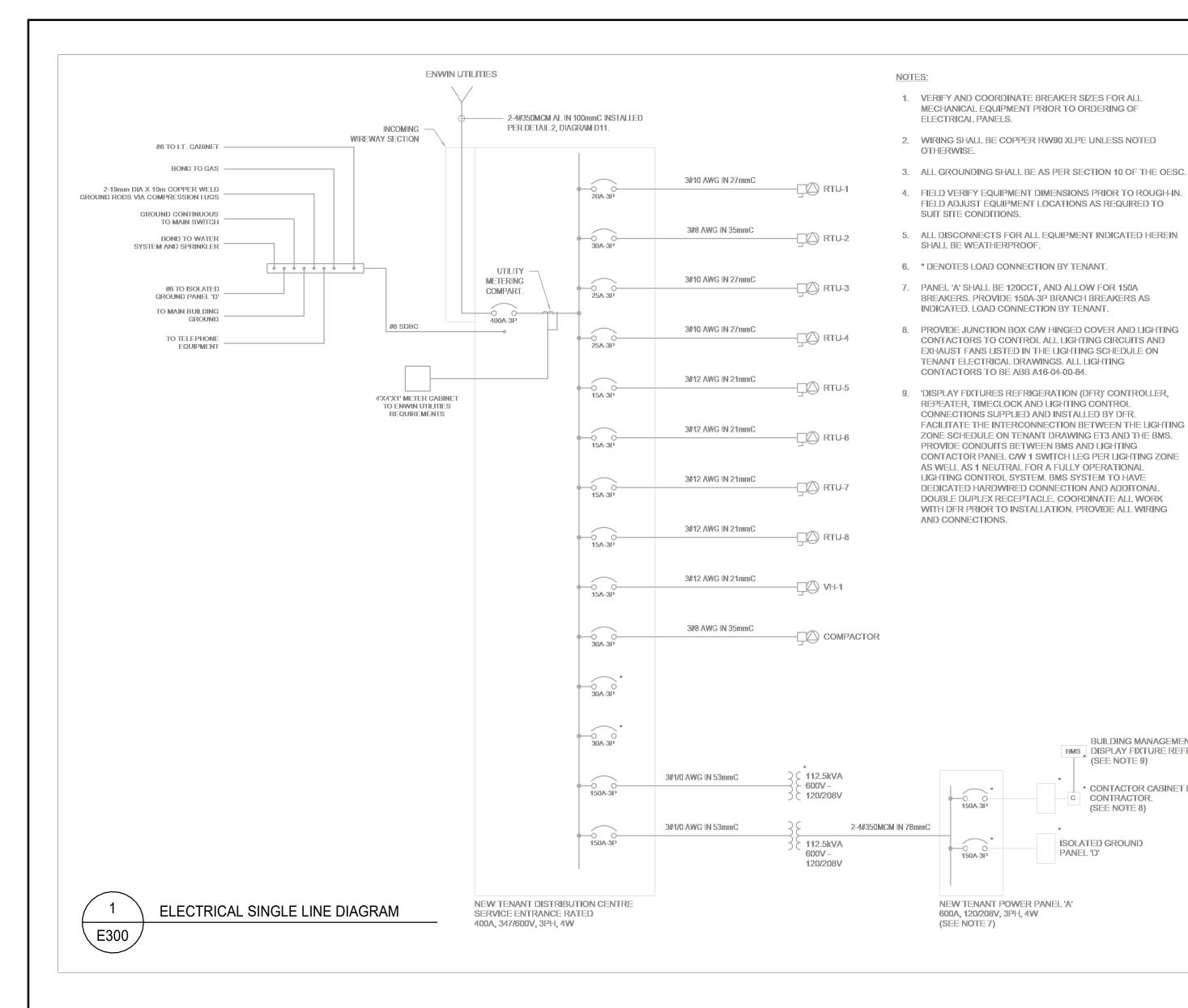


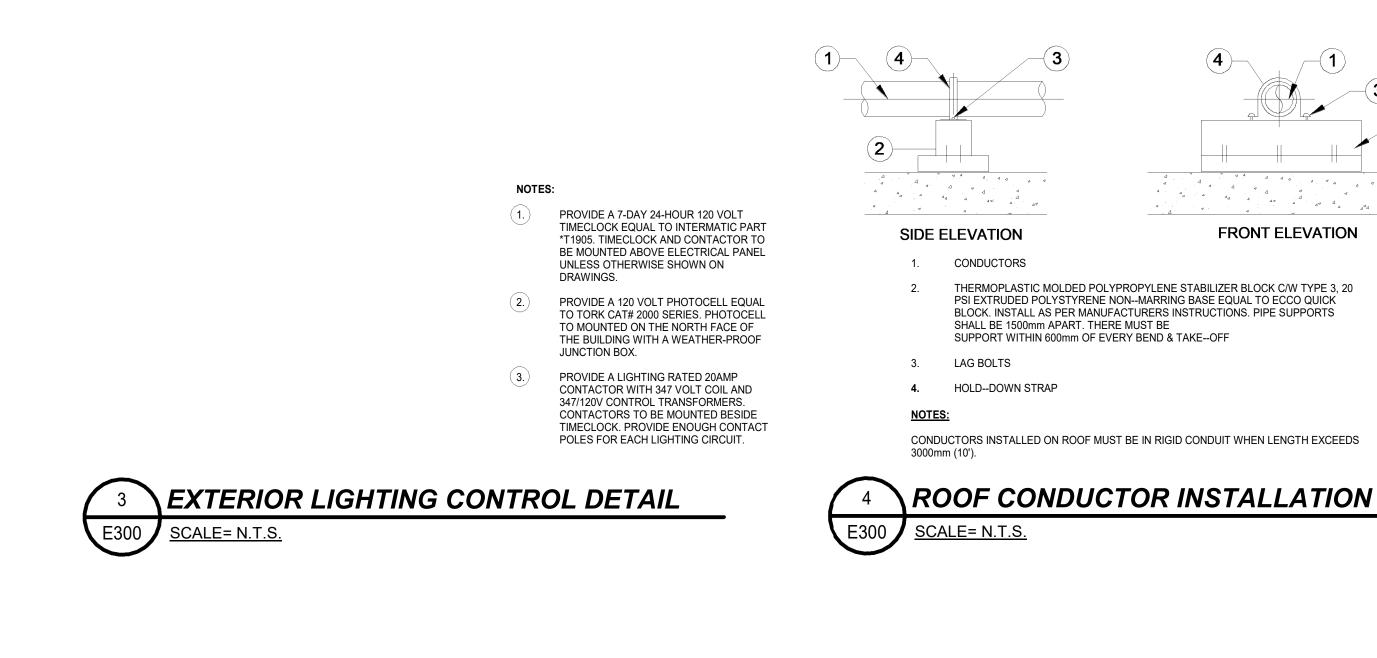
GENERAL NOTES:

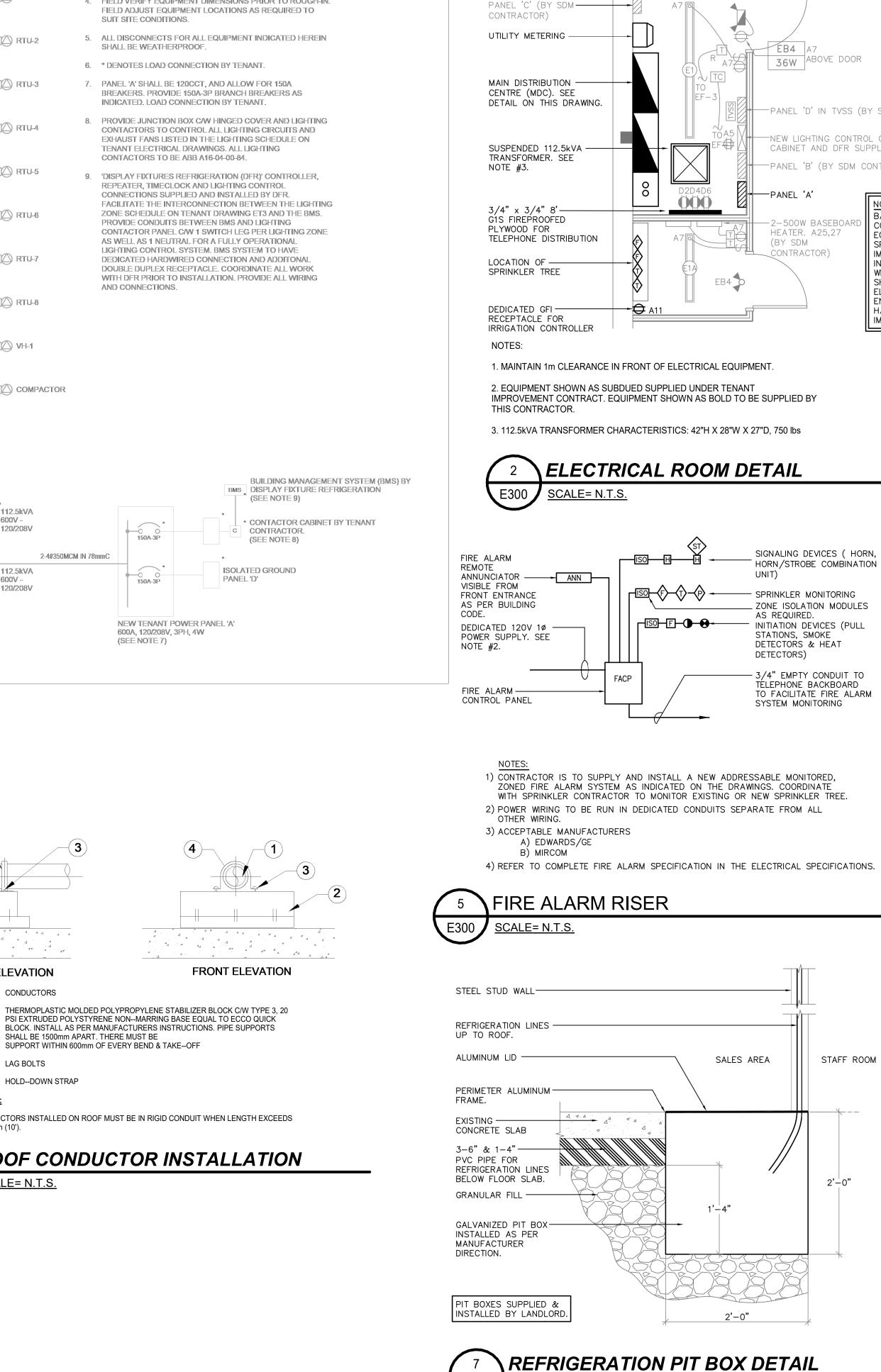
- ALLOW ADEQUATE SPACING AROUND ALL CONDUIT & CABLE PENETRATIONS FOR PROPER FIRE STOPPING. CONSULT WITH G.C. ON SITE. ELECTRICAL CONTRACTOR TO ENSURE ARMOURED & COMMUNICATION CABLES ARE NOT RUN IN CONTACT WITH CPVC SPRINKLER OR WATER PIPING.
- ELECTRICAL CONTRACTOR TO ENSURE ARMOURED & COMMUNICATION 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.

- 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.

Key Plan:
Site Plan: North Arrow:
Consultant: Consultant: CREATIVE STRUCTURES CS@CREATIVESTR.CA Seal:
General Notes: 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. 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 BY OWNER AND GENERAL CONTRACTOR PRIOR CONSTRUCTION. 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. 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.
4 APR 02, 2024 ISSUED FOR TENDER No. Date Revision ISSUES/REVISION TABLE Project:
DEVELOPMENT CORP 1300 FANSHAWE PARK ROAD. EAST CRU #1-UNIT B 1300 FANSHAWE PARK ROAD. EAST. LONDON, ON. Drawing Title:
ELECTRICAL LAYOUT - ROOF PLAN
Drawn By:D.K.Scale:AS INDICATEDChecked By:W.A.Plot Date:APR 02, 2024Project Date:JAN 2024Project No:2023-102
Drawing No: Revision 4







E300

SCALE= N.T.S.

SPACE FOR -

CONDUIT STUBS

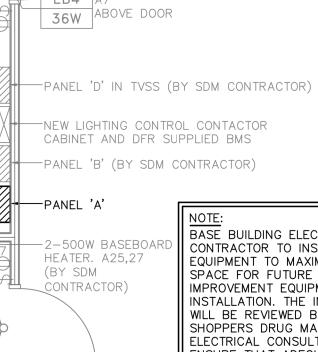
MICRO-THERMO-

SUSPENDED 112.5kVA -

TRANSFORMER. SEE

CPU CABINET

NOTE #3.



—ADAPTAPAK PANELBOARD

- FIRE ALARM CONTROL PANEL.

<u>PROVIDE</u>D BY DIV.15

CCT#: A9

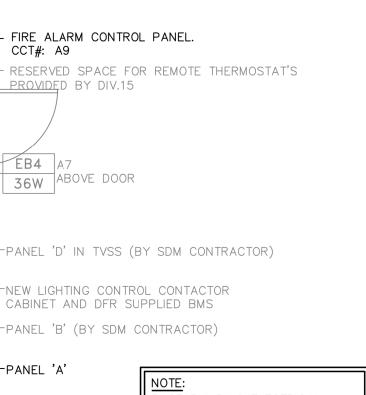
IMPROVEMENT EQUIPMENT.

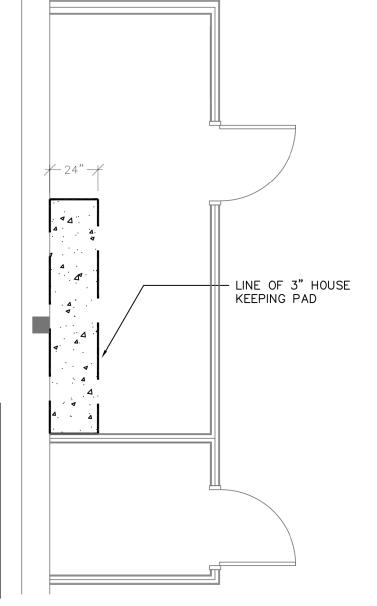
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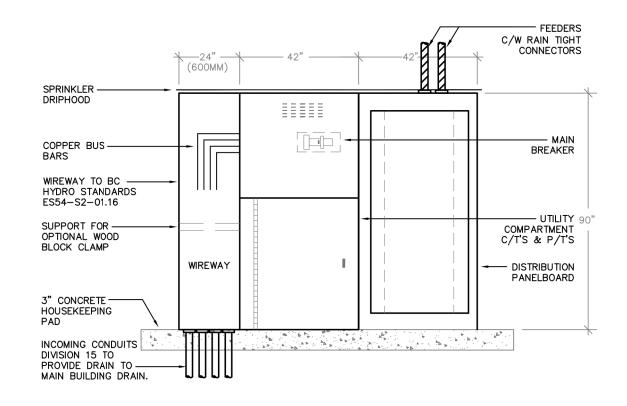
14





NOTES

1. HOUSEKEEPING PAD SUPPLIED AND INSTALLED BY CONCRETE TRADE. ELECTRICAL CONTRACTOR TO COORDINATE DIMENSIONS OF HOUSEKEEPING PAD WITH ELECTRICAL SHOP DRAWINGS AND ADJUST IF REQUIRED.



MAIN DISTRIBUTION CENTRE ELEVATION

E300

SCALE= N.T.S.

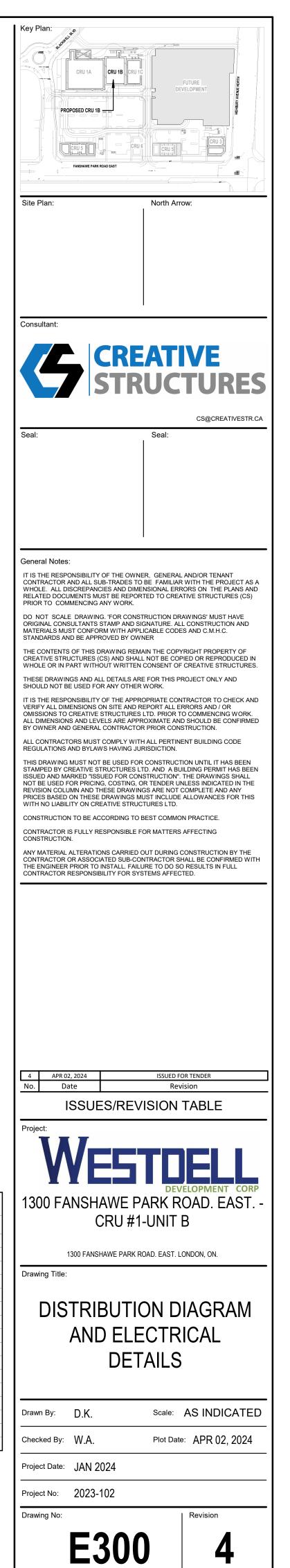
	ADDRESSABLE FIRE ALARM ZONES						
E	DESCRIPTION	TROUBLEZONE	NOTE				
	MAIN FLOOR SHOPPERS DRUG MART						
	15 SECONDS DELAY DOOR						
	SPRINKLER FLOW		1				
	SPRINKLER FLOW		1				
	SPRINKLER TROUBLE		1				
	SPRINKLER TROUBLE		1				
	HORN STROBES			_			
	COMPACTOR						
	SPARE						
	SPARE						
	SPARE						
	SPARE						
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	SPARE						
	SPARE						
	SPARE						

1) DEVICES LOCATED AT SPRINKLER TREE

ADDRESSABLE FIRE ALARM ZONES



SCALE= N.T.S.



CONTRACTOR SUPPLIED LIGHT FIXTURE SCHEDULE					
MFR.	CAT. #	DESCRIPTION	LAMPS	LOCATION	MOUNTING
CPR	HALO HC630D010-HM634840 -61MDC	RECESSED 6" LED DOWNLIGHT, 6" CONICAL REFLECTOR c/w SPECULAR CLEAR FINISH	27.2W iLED, 4000K, 80 CRI	VESTIBULE CANOPY	RECESSED
CPR	LUMARK XTOR3B-W-AP	SMALL LED EXTERIOR WALL PACK, GREY	26W LED, 4000K	EXTERIOR GRAPHIC LIGHTING	WALL/SURFACE
CPR	LUMARK XTOR6B-N-120	LARGE LED EXTERIOR WALL PACK, GREY	58W LED, 4000K	EXTERIOR	WALL/SURFACE
CPR	LUMARK LDRV-T4-F04-120-BK	LED AREA LUMINAIRE, ARM MOUNT SINGLE c/w 20', 4" SQUARE STEEL POLE POWDER COAT PAINTED BLACK TYPE 4 DISTRIBUTION	7 LED LIGHT BARS (102W)	PARKING LOT	20 FOOT POLE, SEE DETAIL ON DRAWING BE1
CPR	LUMARK 4XLDRV-T4-F04-120-BK	LED AREA LUMINAIRE, ARM MOUNT FOUR c/w 20', 4" SQUARE STEEL POLE POWDER COAT PAINTED BLACK TYPE 4 DISTRIBUTION	4x7 LED LIGHT BARS (102W)	PARKING LOT	20 FOOT POLE, SEE DETAIL ON DRAWING BE1
	CPR CPR CPR	CPR HALO HC630D010-HM634840 -61MDC CPR LUMARK XTOR3B-W-AP CPR LUMARK XTOR6B-N-120 CPR LUMARK LDRV-T4-F04-120-BK	MFR. CAT. # DESCRIPTION CPR HALO HC630D010-HM634840 -61MDC RECESSED 6" LED DOWNLIGHT, 6" CONICAL REFLECTOR c/w SPECULAR CLEAR FINISH CPR LUMARK XTOR3B-W-AP SMALL LED EXTERIOR WALL PACK, GREY CPR LUMARK XTOR6B-N-120 LARGE LED EXTERIOR WALL PACK, GREY CPR LUMARK XTOR6B-N-120 LARGE LED EXTERIOR WALL PACK, GREY CPR LUMARK LDRV-T4-F04-120-BK LED AREA LUMINAIRE, ARM MOUNT SINGLE c/w 20', 4" SQUARE DISTRIBUTION CPR LUMARK AVI DPV-T4-F04-120-BK LED AREA LUMINAIRE, ARM MOUNT FOUR c/w 20', 4" SQUARE STEEL POLE POWDER COAT PAINTED BLACK TYPE 4	MFR.CAT. #DESCRIPTIONLAMPSCPRHALO HC630D010-HM634840 -61MDCRECESSED 6" LED DOWNLIGHT, 6" CONICAL REFLECTOR c/w SPECULAR CLEAR FINISH27.2W iLED, 4000K, 80 CRICPRLUMARK XTOR3B-W-APSMALL LED EXTERIOR WALL PACK, GREY26W LED, 4000KCPRLUMARK XTOR6B-N-120LARGE LED EXTERIOR WALL PACK, GREY26W LED, 4000KCPRLUMARK LDRV-T4-F04-120-BKLED AREA LUMINAIRE, ARM MOUNT SINGLE c/w 20', 4" SQUARE STEEL POLE POWDER COAT PAINTED BLACK TYPE 47 LED LIGHT BARS (102W)CPRLUMARK LUMARK LUMARK LUMARK LUMARK LUMARK LUMARK LED AREA LUMINAIRE, ARM MOUNT FOUR c/w 20', 4" SQUARE STEEL POLE POWDER COAT PAINTED BLACK TYPE 44x7 LED LIGHT BARS (102W)	MFR. CAT. # DESCRIPTION LAMPS LOCATION CPR HALO HC630D010-HM634840 -61MDC RECESSED 6" LED DOWNLIGHT, 6" CONICAL REFLECTOR c/w SPECULAR CLEAR FINISH 27.2W iLED, 4000K, 80 CRI VESTIBULE CANOPY CPR LUMARK XTOR3B-W-AP SMALL LED EXTERIOR WALL PACK, GREY 26W LED, 4000K EXTERIOR GRAPHIC LIGHTING CPR LUMARK XTOR6B-N-120 LARGE LED EXTERIOR WALL PACK, GREY 58W LED, 4000K EXTERIOR CPR LUMARK LDRV-T4-F04-120-BK LED AREA LUMINAIRE, ARM MOUNT SINGLE c/w 20', 4" SQUARE DISTRIBUTION 7 LED LIGHT BARS (102W) PARKING LOT CPR LUMARK LDRV-T4-F04-120-BK LED AREA LUMINAIRE, ARM MOUNT FOUR c/w 20', 4" SQUARE DISTRIBUTION 7 LED LIGHT BARS (102W) PARKING LOT

TALL FIXTORES WITHIN THIS SCHEDULE TO BE SUPPLIED AND INSTALLED BY BASE BUILDING CONTRACTOR.

2) ALL SUPPORTING STRUCTURE FIXTURES ARE TO BE COMPLETED BY THE BASE BUILDING CONTRACTOR.

CONTRACTOR SUPPLIED EXIT AND EMERGENCY BATTERY UNIT SCHED

TYPE	MFR.	CAT. #	DESCRIPTION	LOCATIO
EX	EMERGI- LITE	ES-1/2-W-UI	EMERGI-LITE ES SERIES ALL-METAL PICTOGRAM 120/347 AC INPUT, SELF-POWERED UNIVERSAL EXIT SIGN C/W LEFT/RIGHT PICTOGRAM	THROUGHOUT
EXA	EMERGI- LITE	EDE-1/2-W-UI	EMERGI-LITE EDE SERIES EDGE-LIT 120 AC INPUT, SELF-POWERED UNIVERSAL EXIT SIGN C/W LEFT/RIGHT PICTOGRAM	COSMETICS
NOTE				

NOTE:

1) CONTRACTOR IS TO SUPPLY AND INSTALL EMERGENCY LIGHTING EQUIPMENT AND EXIT SIGNS.

2) EMERGENCY LIGHT UNITS MUST BE FED FROM NORMAL LIGHTING CIRCUITS IN AREAS IN WHICH THEY SERVE.

3) CONTRACTOR TO WIRE ALL REMOTE HEADS TO BATTERY PACK. SEE TABLE BELOW FOR WIRE SIZE. ALL WIRING TO BE RUN IN CONDUIT MINIMUM 1/2"-2#12 RW90.

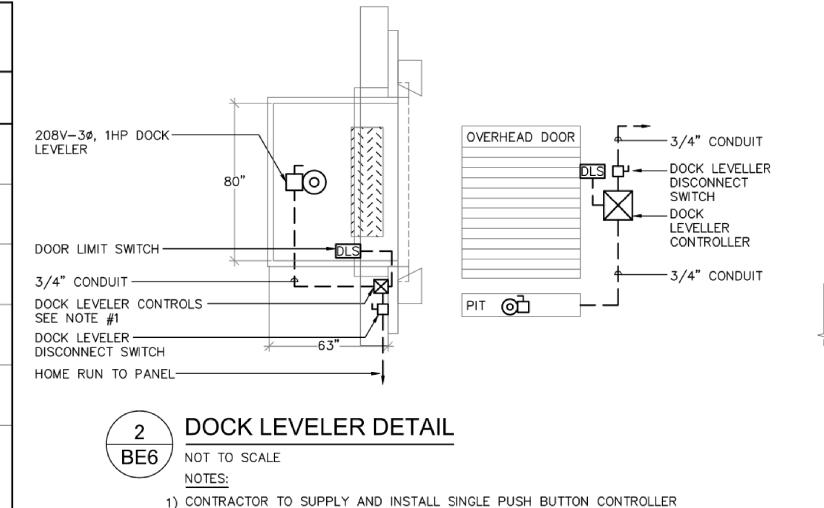
4) EMERGENCY LIGHTING TO BE MINIMUM EMERGI-LITE COMMERCIAL SPEC GRADE STANDARD.

MECHANICAL EQUIPMENT DIVISION OF RESPONSIBILITY

ALL EQUIPMENT SUPPLIED AND INSTALLED BY DIV. 15 AND WIRED AND ELECTRICALLY CONNECTED BY DIV. 16. SUPPLY, INSTALL AND CONNECT RAINTIGHT DISCONNECTS FOR ALL UNITS. SEE PLANS FOR LOCATIONS.

ALL 120V WORK OR GREATER IS THE RESPONSIBILITY OF THE ELECTRICAL TRADES. COORDINATE WITH MECHANICAL TRADES.

- ALL 24V WIRING AND SEQUENCING BY MECHANICAL TRADES.
- PROVIDE 3/4" CONDUIT FOR THERMOSTATS. THERMOSTATS BY MECHANICAL TRADES. PROVIDE 5-20R RECEPTACLES FOR HVAC EQUIPMENT MAINTENANCE.



(BLUE GIANT-SP2). INTER-CONNECT WITH DOCK LEVELER AND OVERHEAD

INTERCONNECTING CONDUIT AND WIRING TO CONTROL PANEL AND MOTOR. PROVIDE A LIMIT SWITCH WIRED IN TO DISCONNECT THE DOCK LEVELLER

2) DISCONNECT SWITCH FOR DOCK LEVELLER c/w ALL REQUIRED

UNTIL THE RECEIVING DOOR IS AT 3'-0" A.F.F.

DOOR LIMIT SWITCH.

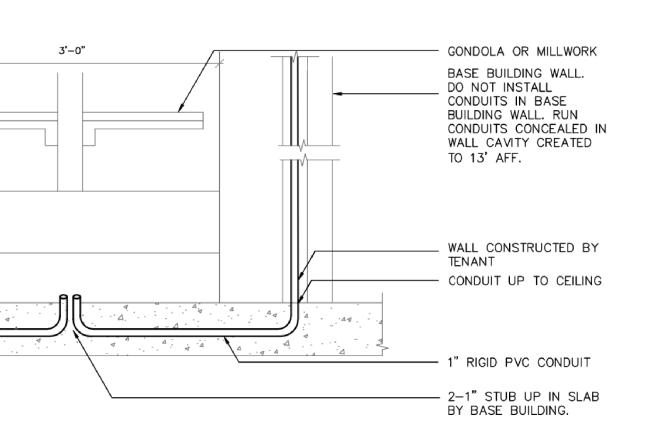
ULE		
TION	MOUNTING	
JT STORE	SURFACE	

SURFACE

3 BE6 NOT TO SCALE NOTE:

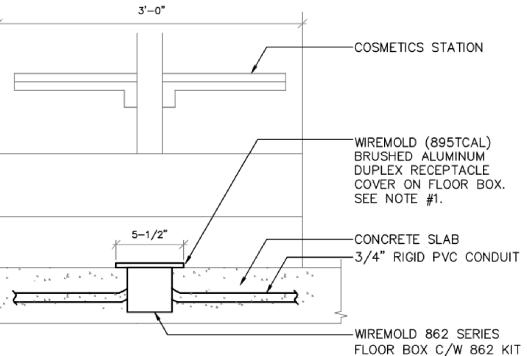


RECESSED INTO THE SLAB. 2.) CONTRACTOR TO ALLOW FOR X-RAY & SAW CUT OF EXISTING SLAB TO FACILITATE THE INSTALLATION OF NEW CONDUITS. ALL FLOOR PENETRATIONS MUST BE SCANNED AND/OR X-RAYED BY THE CONTRACTOR, AND APPROVED BY THE LANDLORD PRIOR TO CORE DRILLING. THEY MUST BE SLEEVED, CAULKED, WATERPROOFED AND FIREPROOFED AS PER THE LANDLORD'S STANDARDS.



TYPICAL FLOOR BOX CONNECTION DETAIL

1) CONTRACTOR TO ALLOW FOR X-RAY & SAW CUT OF EXISTING SLAB TO FACILITATE THE INSTALLATION OF NEW CONDUITS.



TYPICAL COSMETICS FLOOR BOX

CONNECTION DETAIL

NOT TO SCALE

1.) CONTRACTOR TO ENSURE THE COVER IS TO SIT ON TOP OF THE SLAB AND NOT

FOR CONCRETE FLOORS

Key Plan: FUTURE FUTURE FUTURE Site Plan: North Arrow:
Consultant: Consultant: CREATIVE Structurestr.ca Seal: Seal:
 General Notes: 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. THESED DRAWINGS AND ALL DETAILS ARE FOR THIS PROJECT ONLY AND 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 LID. PRIOR TO COMMENCING WORK. ALL DIMENSIONS AND LEVELS ARE APPROXIMATE AND SHOULD BE CONFIRMED BY OWNER AND GENERAL CONTRACTOR PRIOR CONSTRUCTION. ALL CONTRACTORS MUST COMPLY WITH ALL PERTINENT BUILDING CODE REGULATIONS AND BYLAWS HAVING JURISDICTION. THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNTILL THAS BEEN ISSUED AND MARKED "ISSUED FOR CONSTRUCTION UNTILLISS INDICATED IN THE REVISION COLUMN AND THESE DRAWINGS ARE NOT COMPLEXED IN THE REVISION COLUMN AND THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON THESE DRAWINGS ARE NOT COMPLET
4 APR 02, 2024 ISSUED FOR TENDER No. Date Revision ISSUES/REVISION TABLE Project: WASSING STABLES/REVISION TABLE ISSUES/REVISION TABLE Project: 1300 FANSHAWE PARK ROAD. EAST CRU #1-UNIT B 1300 FANSHAWE PARK ROAD. EAST 1300 FANSHAWE PARK ROAD. EAST CRU #1-UNIT B 1300 FANSHAWE PARK ROAD. EAST Drawing Title:
ELECTRICAL SCHEDULES AND DETAILS
Drawn By: D.K. Scale: AS INDICATED Checked By: W.A. Plot Date: APR 02, 2024 Project Date: JAN 2024 Project No: 2023-102 Drawing No: Revision
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