

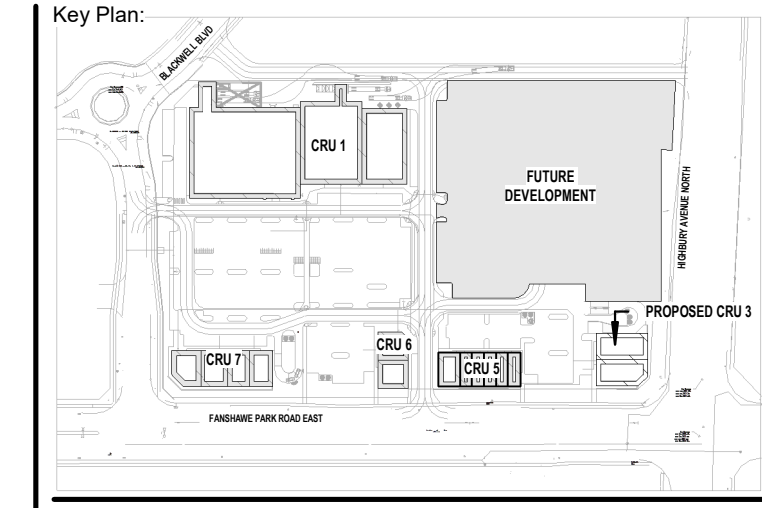
ELECTRICAL KEYNOTES (DENOTED BY): #

1. LOCATION OF THE MAIN DISCONNECT SWITCH
2. LOCATION OF SPLITTER, DISCONNECT AND METERS
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". 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 CW 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	
TYPE	DESCRIPTION
TYPE 'A'	4' LED FIXTURE, LITHONIA LIGHTING, CAT# ZL1N L48 ASR 3000LM LLENS MVOLT 35K 80CRI WH

NOTE:

- 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.



Consultant:

CS@CREATIVESTR.CA

Consultant:

NGACAKU ARCHITECTURE INC

Seal: _____ North Arrow: _____

General Notes:

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No.	Date	Revision
2	APR. 02, 2024	ISSUED FOR TENDER

Project:

1300 FANSHAWE PARK RD. EAST. - CRU #3 UNIT B
1300 FANSHAWE PARK RD. EAST. LONDON, ON

Drawing Title:

ELECTRICAL LAYOUT - FLOOR PLAN

Drawn By: D.K. Scale: AS INDICATED

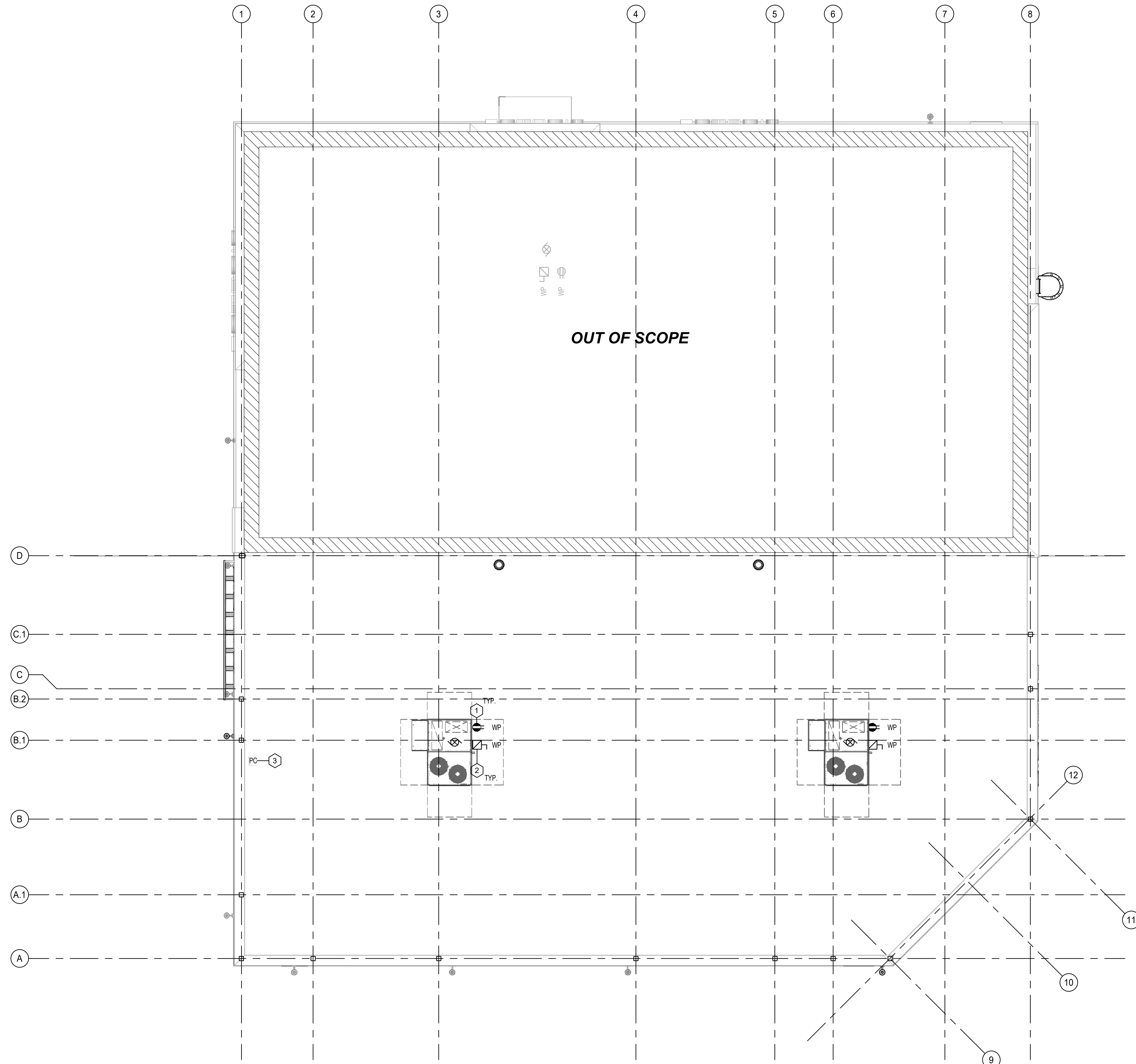
Checked By: W.A. Plot Date: APR. 02-2024

Project Date: JAN 2024

Project No: 2023-102

Drawing No: **E100** | Revision: **2**

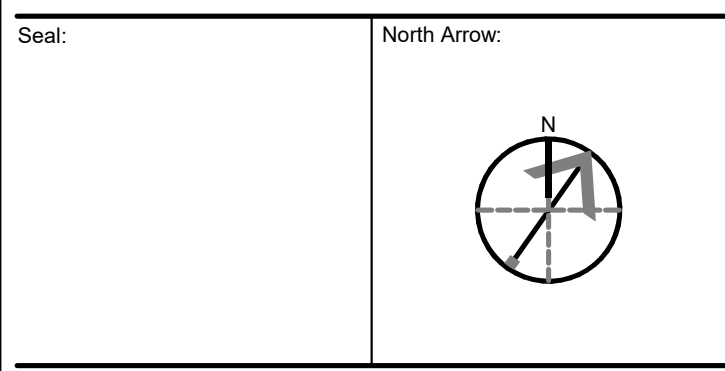
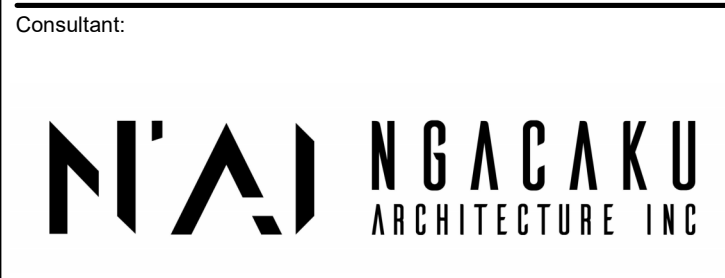
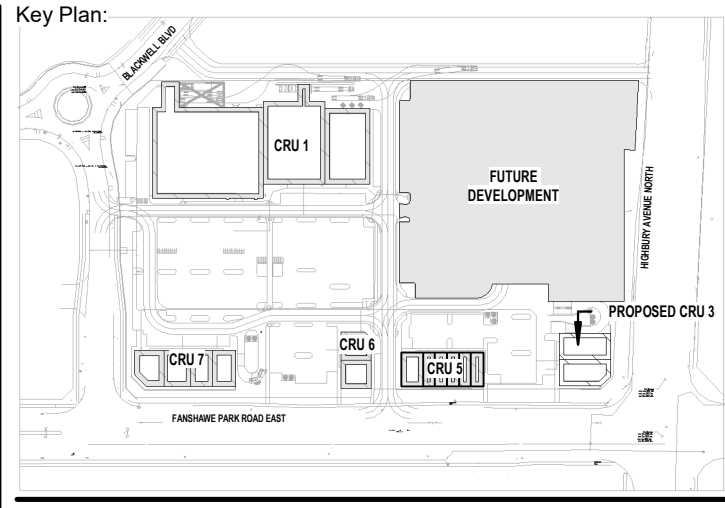
ELECTRICAL FLOOR PLAN
SCALE: 1 : 75



ELECTRICAL ROOF PLAN

SCALE: 1 : 75

- 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.



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2	APR. 02, 2024	ISSUED FOR TENDER

ISSUES/REVISION TABLE

Project:

WESTDELL
DEVELOPMENT CORP

1300 FANSHAW PARK RD.
EAST. - CRU #3 UNIT B

1300 FANSHAW PARK RD. EAST, LONDON, ON

Drawing Title:

ELECTRICAL LAYOUT - ROOF PLAN

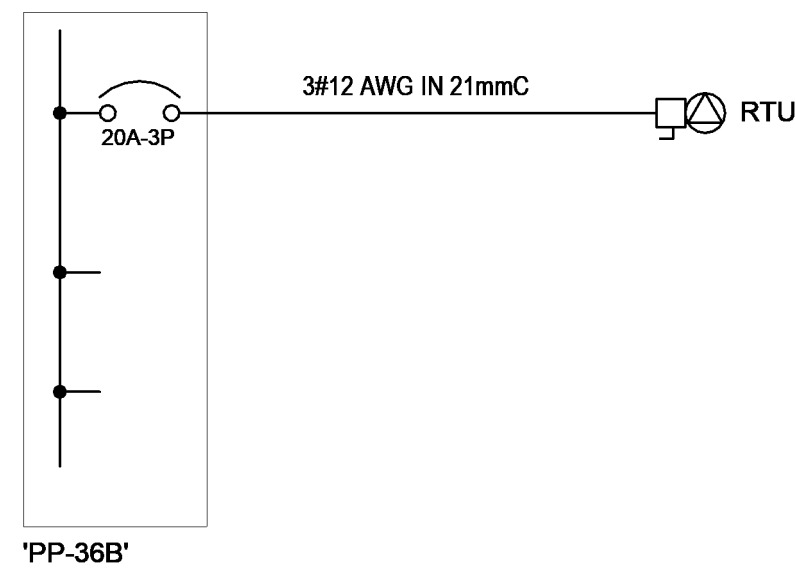
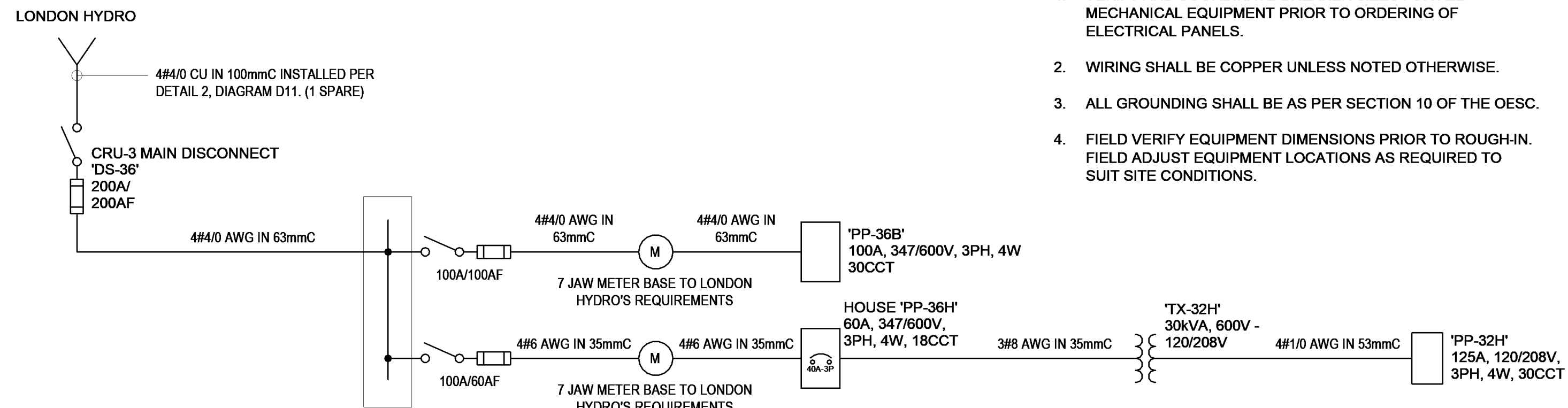
Drawn By: D.K. Scale: AS INDICATED

Checked By: W.A. Plot Date: APR. 02-2024

Project Date: JAN 2024

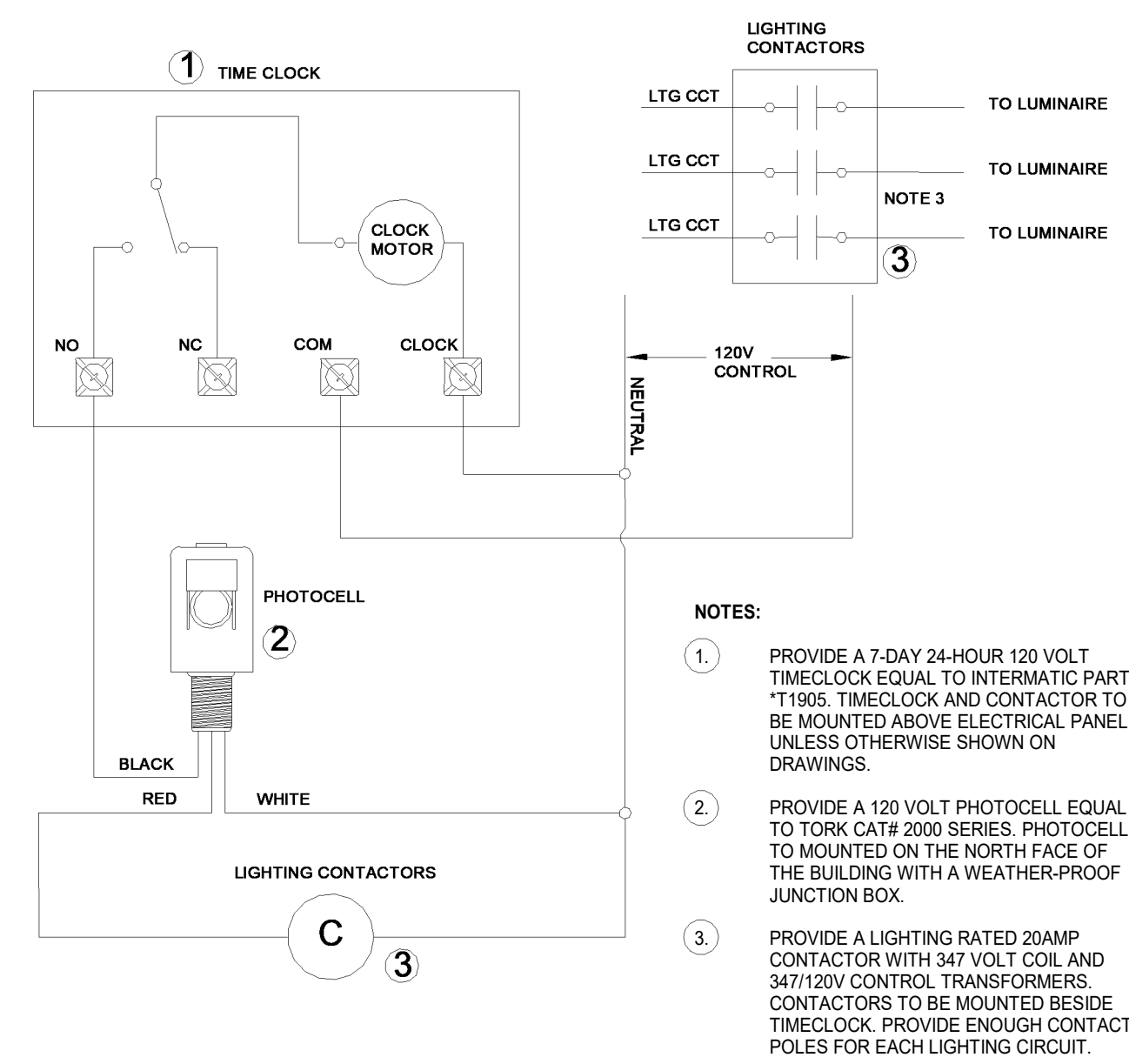
Project No: 2023-102

Drawing No: **E101** Revision: **2**

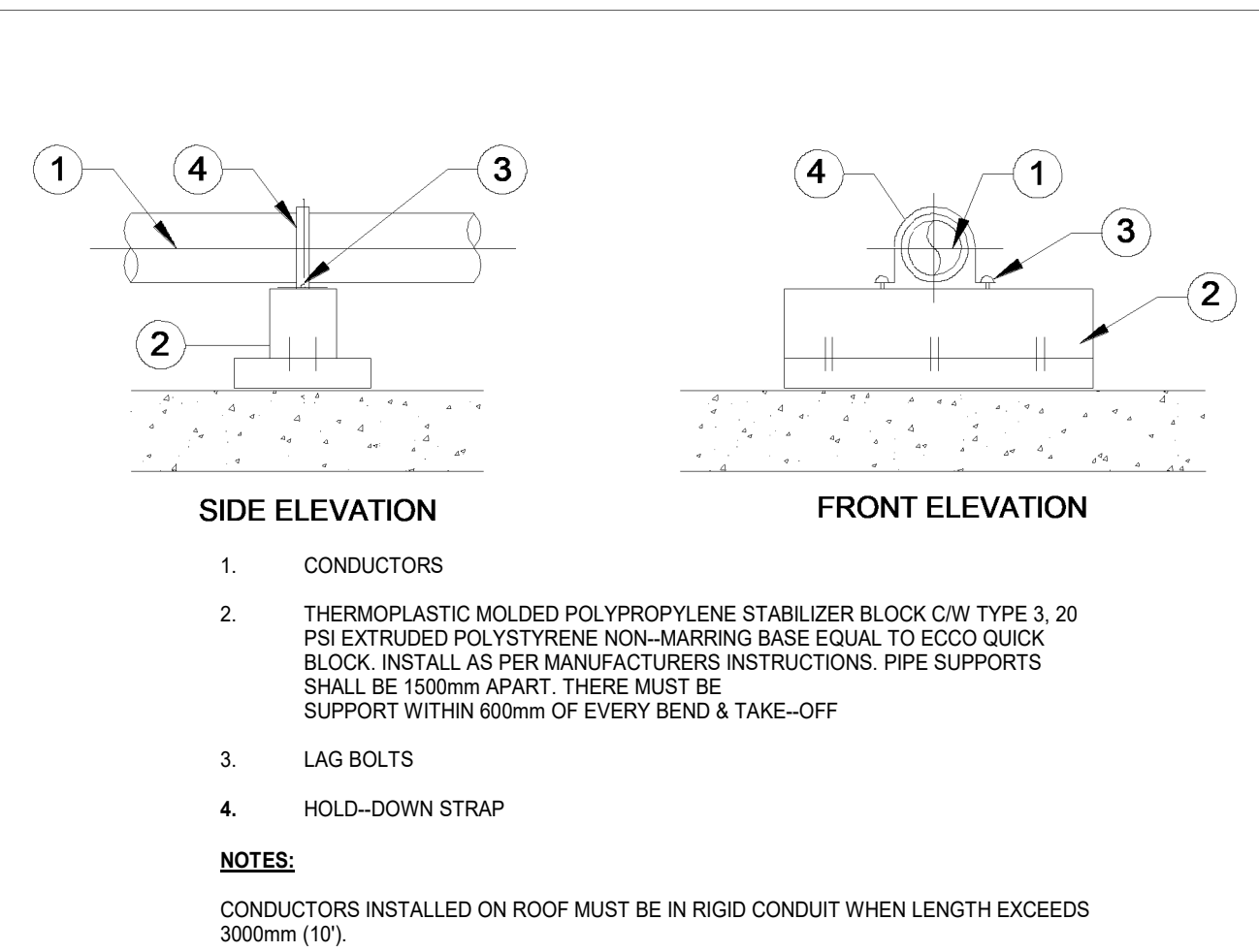


- NOTES:**
1. VERIFY AND COORDINATE BREAKER SIZES FOR ALL MECHANICAL EQUIPMENT PRIOR TO ORDERING OF ELECTRICAL PANELS.
 2. WIRING SHALL BE COPPER UNLESS NOTED OTHERWISE.
 3. ALL GROUNDING SHALL BE AS PER SECTION 10 OF THE OESC.
 4. FIELD VERIFY EQUIPMENT DIMENSIONS PRIOR TO ROUGH-IN. FIELD ADJUST EQUIPMENT LOCATIONS AS REQUIRED TO SUIT SITE CONDITIONS.

LOAD CALCULATION - UNIT A	
Area (sq.m)	399
Base Load (30 W/sq.m):	11,984
HVAC (W):	18,000
Misc. (W):	10,000
Total (W):	39,984
Tenant Service:	200A, 347/600V
LOAD CALCULATION - UNIT B	
Area (sq.m)	360
Base Load (30 W/sq.m):	10,793
HVAC (W):	18,000
Misc. (W):	10,000
Total (W):	39,153
Tenant Service:	200A, 347/600V
LOAD CALCULATION - TOTAL	
Area (sq.m)	759
Base Load (30 W/sq.m):	22,778
HVAC (W):	36,000
Misc. (W):	20,000
Total (W):	79,137
Tenant Service:	200A, 347/600V

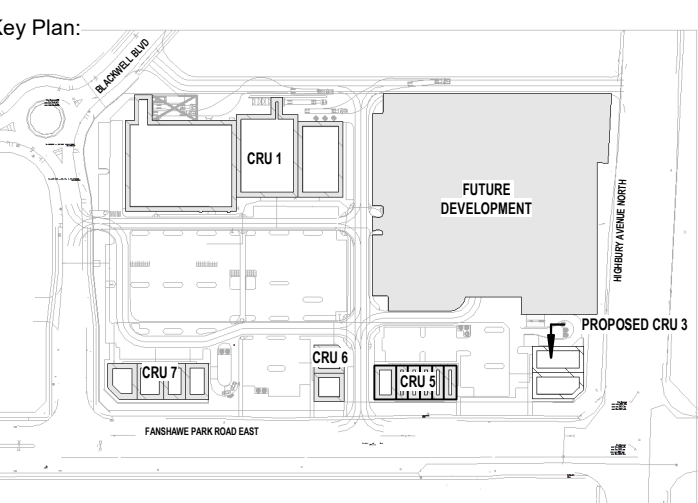


EXTERIOR LIGHTING CONTROL DETAIL
SCALE= N.T.S.



ROOF CONDUCTOR INSTALLATION
SCALE= N.T.S.

HOME PANEL SCHEDULE									
PANEL: PP-2H					MOUNTING: SURFACE				
VOLTAGE: 120/208									
PHASE: 3 PHASE, 4 WIRE									
MAINS: 100A									
LOCATION: ELEC RM.									
DESCRIPTION	WIRE SIZE	VA	BREAKER	Ø	BREAKER	VA	WIRE SIZE	DESCRIPTION	
EXTERIOR LIGHT			20A	1	A	2	20A		EXTERIOR LIGHT
EXTERIOR LIGHT			20A	3	B	4	20A		EXTERIOR LIGHT
EXTERIOR LIGHT			20A	5	C	6	20A		INTERIOR LIGHT
PDO			20A	7	A	8	20A		INTERIOR LIGHT
INTERIOR LIGHTS			20A	9	B	10			
EF-1			20A	11	C	12			
HEATER			20A	13	A	14			
HVAC RECEP			20A	15	B	16			
HVAC RECEP			20A	17	C	18			
				19	A	20			
				21	B	22	20A		SPARE
				23	C	24	20A		SPARE



Consultant:
CREATIVE STRUCTURES
CS@CREATIVESTR.CA

Consultant:
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Seal: North Arrow.

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Drawing Title:

DISTRIBUTION DIAGRAM AND ELECTRICAL 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: **E300** Revision: **2**