

Seal: \_\_\_\_\_ Seal: \_\_\_\_\_

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

**ISSUES/REVISION TABLE**

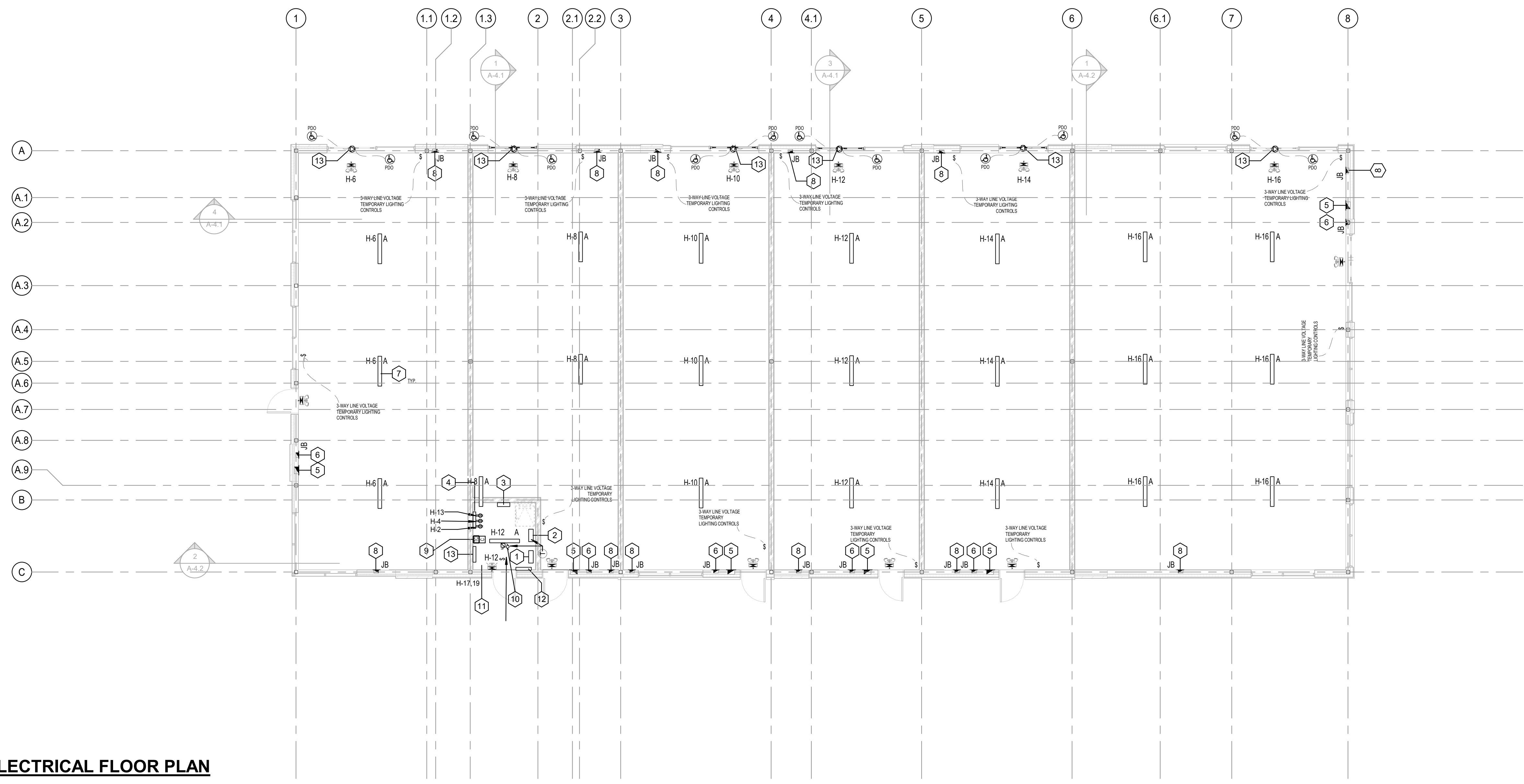
Project:  
**WESTDELL**  
 DEVELOPMENT CORP  
 1300 FANSHAWE PARK ROAD, EAST. - CRU #5  
 1300 FANSHAWE PARK ROAD, EAST, LONDON, ON.

Drawn Title:

**ELECTRICAL LAYOUT - FLOOR PLAN**

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

**E100 2**



**ELECTRICAL FLOOR PLAN**

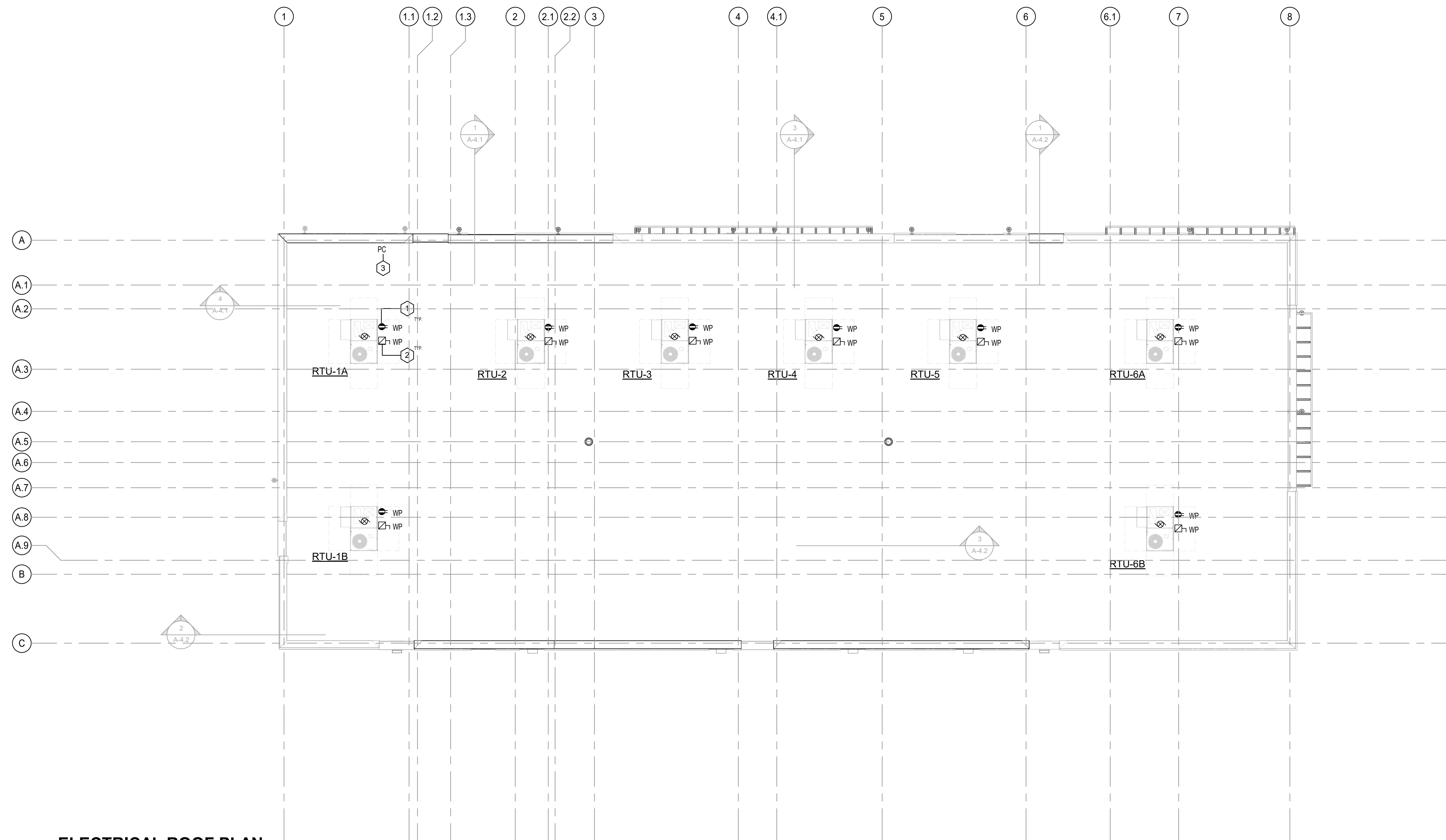
SCALE: 1 : 100

ELECTRICAL KEYNOTES (DENOTED BY):

- LOCATION OF THE MAIN DISCONNECT SWITCH
- LOCATION OF THE METER STACK, TYPICAL SIZE: 30"W x 8"D x 72"H.
- LOCATION OF HOUSE PANEL 20"W x 6"D x 48"H.
- 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.
- LOCATION OF FUTURE TENANT ELECTRICAL PANEL. REFER TO DRAWING E300 FOR MORE DETAIL. COORDINATE PANEL LOCATION WITH TENANT'S DRAWINGS PRIOR TO ROUGH-IN.
- JUNCTION BOX FOR TENANTS COMMUNICATION SERVICES. CONFIRM EXACT MOUNTING & LOCATION ON SITE. RUN 2" CONDUIT FROM JUNCTION BOX TO COMMUNICATION BACKBOARD WITHIN MECHANICAL ROOM.
- TEMPORARY LIGHTING TO BE FED FROM HOUSE PANEL. TYPICAL AS INDICATED. FINAL LIGHTING LAYOUT BY TENANT.
- PROVIDE ROUGH-IN FOR TENANT SIGNAGE TO BE LOCATED AT HIGH LEVEL. PROVIDE 3/4" CONDUIT CW PULL STRING TO TENANT PANEL LOCATION (TYPICAL).
- LOCATION OF EXTERIOR LIGHTING CONTROLS.
- EXHAUST FAN EF-1, 120V 1PH. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DISCONNECTING MEANS AT UNIT.
- MECHELEC ROOM. REFER TO DRAWING E300 FOR DISTRIBUTION DIAGRAM DETAILS.
- 3.0kW ELECTRIC HEATER EH-1. REFER TO DRAWING M002 FOR ELECTRICAL HEATER SCHEDULE.
- 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.



**ELECTRICAL ROOF PLAN**

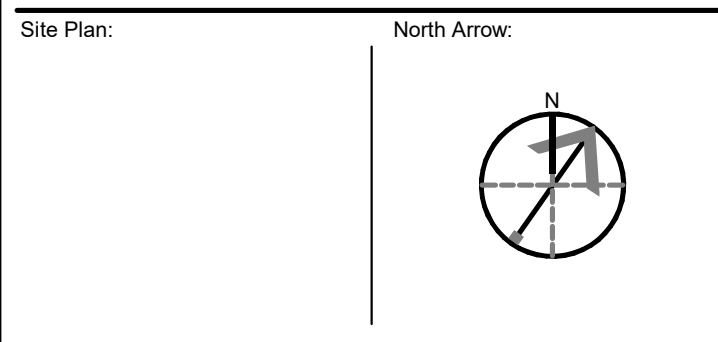
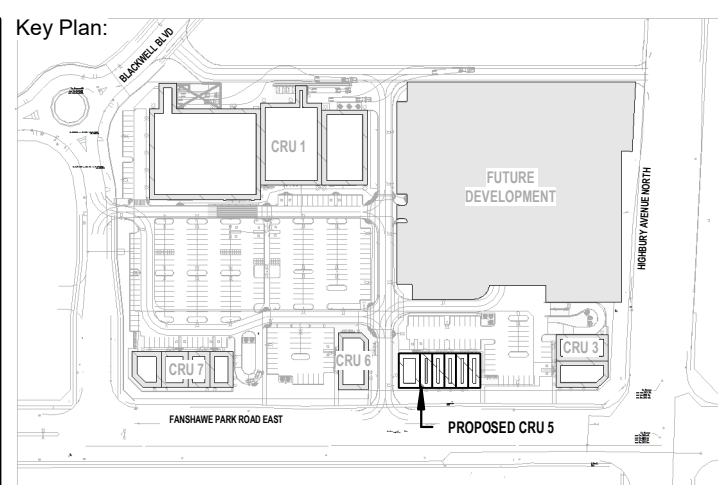
SCALE: 1 : 100

**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.



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

**ISSUES/REVISION TABLE**

Project:  
**WESTDELL**  
 DEVELOPMENT CORP  
 1300 FANSHAWE PARK ROAD, EAST. - CRU #5  
 1300 FANSHAWE PARK ROAD, EAST, LONDON, ON.

Drawing Title:

**ELECTRICAL LAYOUT - ROOF PLAN**

Drawn By: D.H. Scale: AS INDICATED

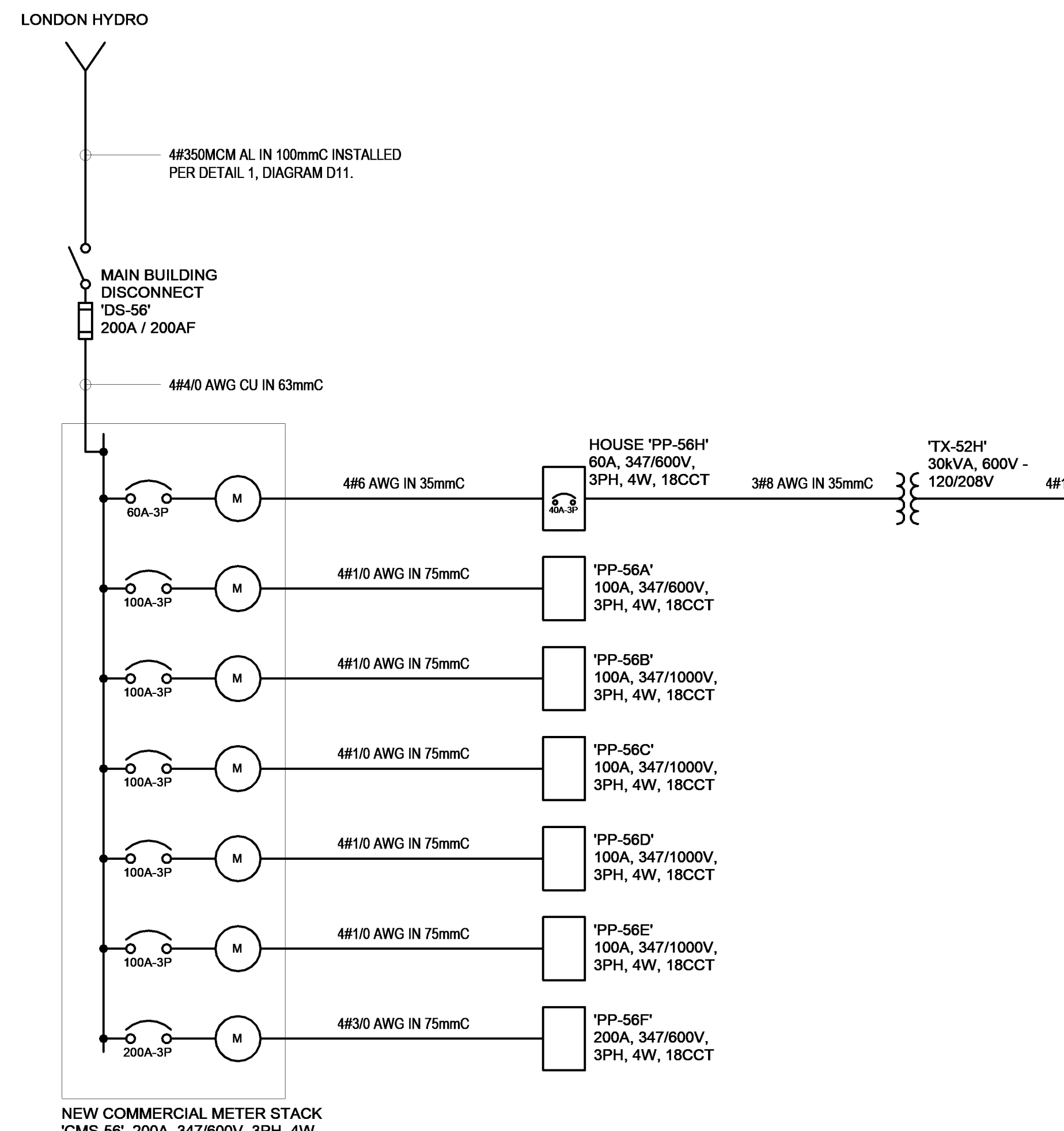
Checked By: W.A. Plot Date: APR. 02-2024

Project Date: JAN 2024

Project No: 2023-102

Drawing No: Revision

**E101 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 TO ROUGH-IN. FIELD ADJUST EQUIPMENT LOCATIONS AS REQUIRED TO SUIT SITE CONDITIONS.

LOAD CALCULATION - UNIT 5A	
Area (sq.m)	130
Base Load (30 W/sq.m):	3,900
HVAC (W):	12,000
Misc. (W):	10,000
Total (W):	25,900
Tenant Service:	100A, 347/600V

LOAD CALCULATION - UNIT 5B	
Area (sq.m)	100
Base Load (30 W/sq.m):	3,000
HVAC (W):	12,000
Misc. (W):	10,000
Total (W):	25,000
Tenant Service:	100A, 347/600V

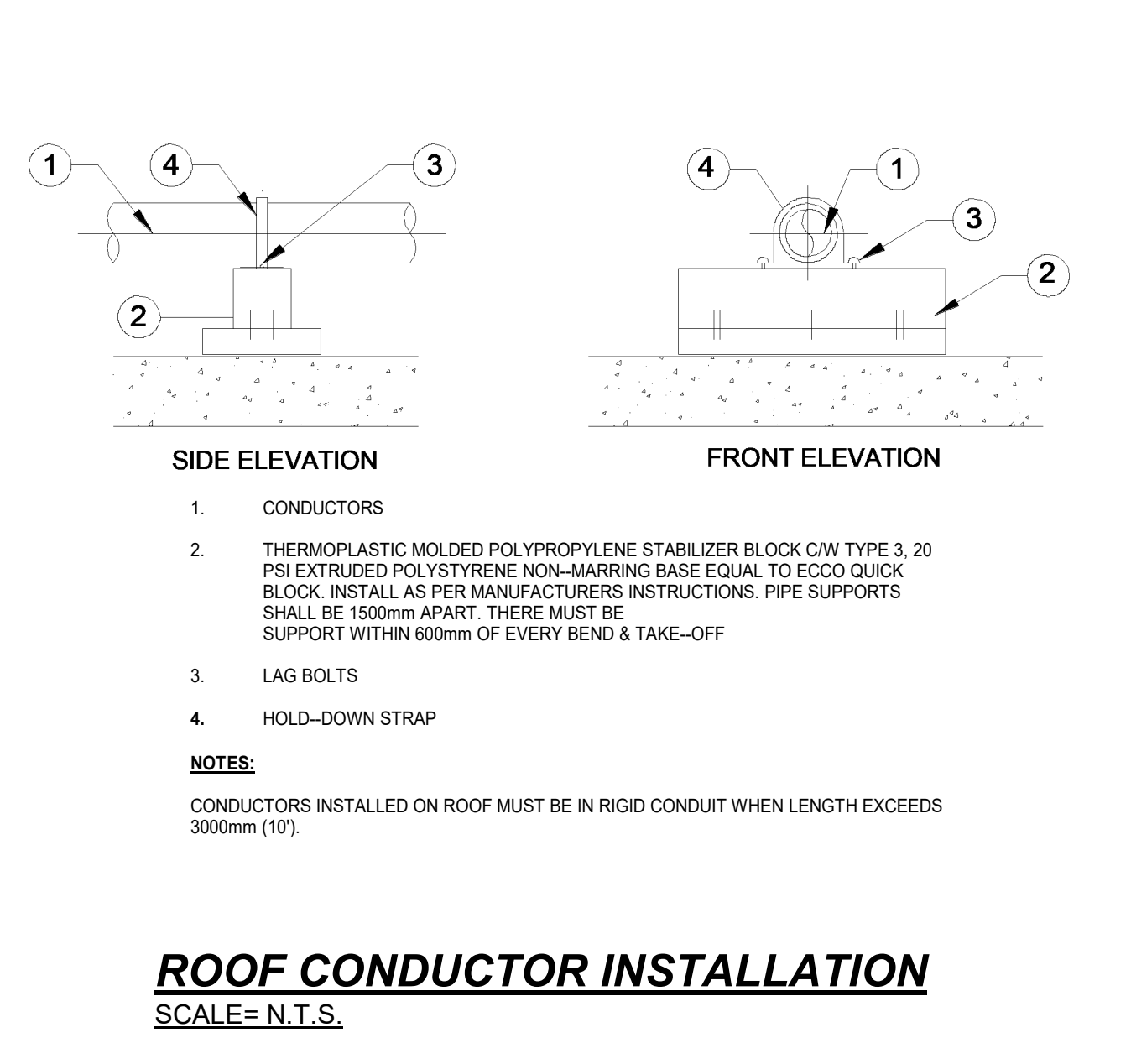
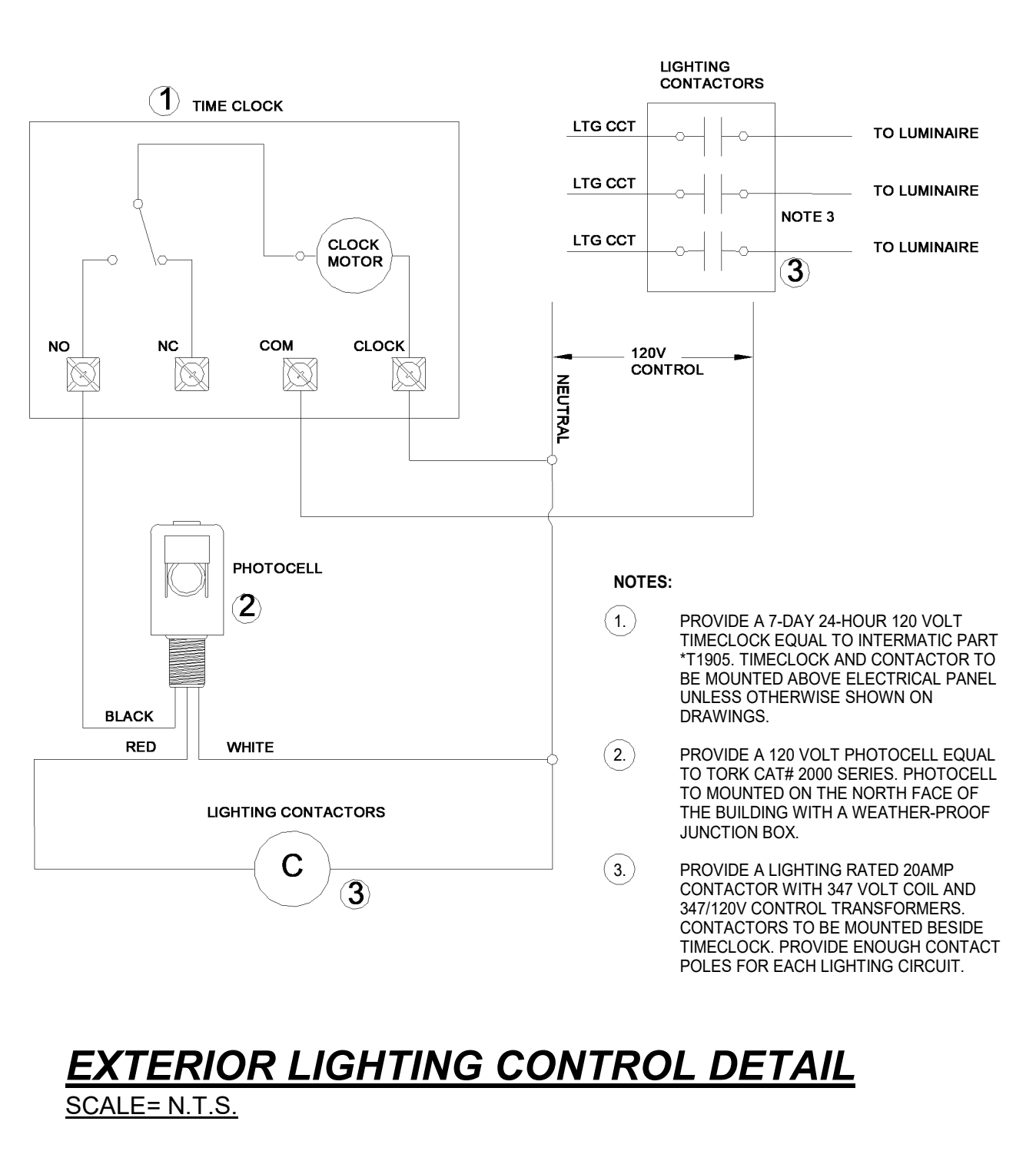
LOAD CALCULATION - UNIT 5C	
Area (sq.m)	109
Base Load (30 W/sq.m):	3,270
HVAC (W):	12,000
Misc. (W):	10,000
Total (W):	25,270
Tenant Service:	100A, 347/600V

LOAD CALCULATION - UNIT 5D	
Area (sq.m)	109
Base Load (30 W/sq.m):	3,270
HVAC (W):	12,000
Misc. (W):	10,000
Total (W):	25,270
Tenant Service:	100A, 347/600V

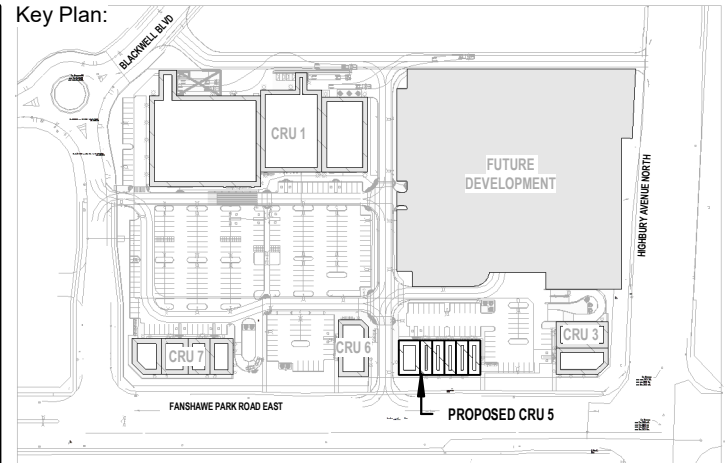
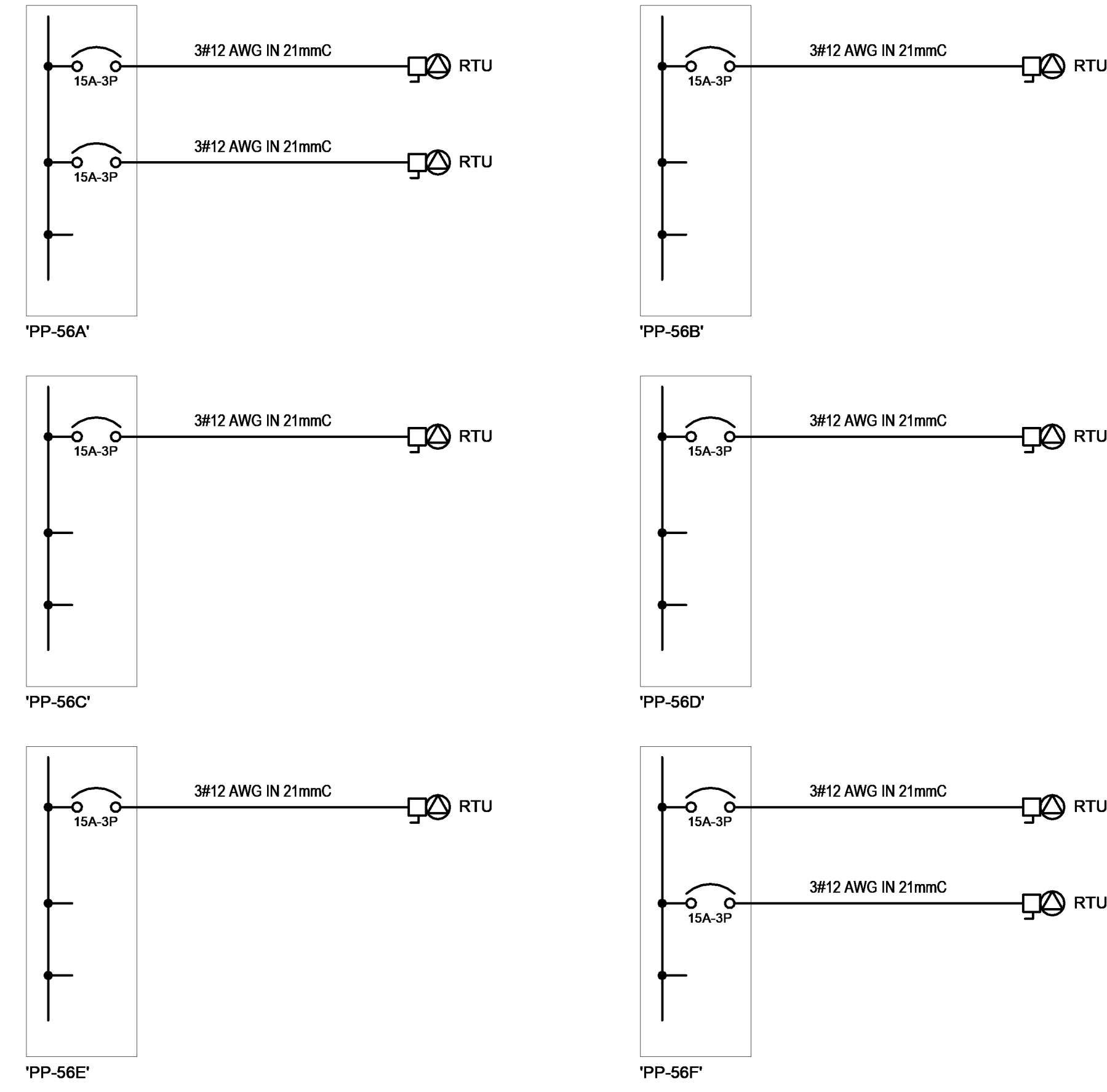
LOAD CALCULATION - UNIT 5E	
Area (sq.m)	109
Base Load (30 W/sq.m):	3,270
HVAC (W):	12,000
Misc. (W):	10,000
Total (W):	25,270
Tenant Service:	100A, 347/600V

LOAD CALCULATION - UNIT 5F	
Area (sq.m)	204
Base Load (30 W/sq.m):	6,120
HVAC (W):	18,000
Misc. (W):	10,000
Total (W):	34,120
Tenant Service:	200A, 347/600V

LOAD CALCULATION - TOTAL	
Area (sq.m)	761
Base Load (30 W/sq.m):	22,830
HVAC (W):	78,000
Misc. (W):	50,000
Total (W):	150,830
Tenant Service:	200A, 347/600V



HOME PANEL SCHEDULE									
PANEL: PP-2H					MOUNTING: SURFACE				
VOLTAGE: 120/208									
PAHASE: 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 LIGHTS
PDO			20A	7	A	8	20A		INTERIOR LIGHTS
INTERIOR LIGHTS			20A	9	B	10	20A		INTERIOR LIGHTS
EF-1			20A	11	C	12	20A		INTERIOR LIGHTS
HEATER			20A	13	A	14	20A		INTERIOR LIGHTS
HVAC RECEP			20A	15	B	16	20A		HVAC RECEP
HVAC RECEP			20A	17	C	18	20A		HVAC RECEP
HVAC RECEP			20A	19	A	20	20A		EXTERIOR LIGHT
HVAC RECEP			20A	21	B	22	20A		SPARE
HVAC RECEP			20A	23	C	24	20A		SPARE



Consultant: **CREATIVE STRUCTURES**

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Project: **WESTDELL** DEVELOPMENT CORP

1300 FANSHAWE PARK ROAD, EAST. - CRU #5

1300 FANSHAWE PARK ROAD, EAST, LONDON, ON.

Drawing Title: **DISTRIBUTION DIAGRAM AND ELECTRICAL DETAILS**

Drawn By: D.H. 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**