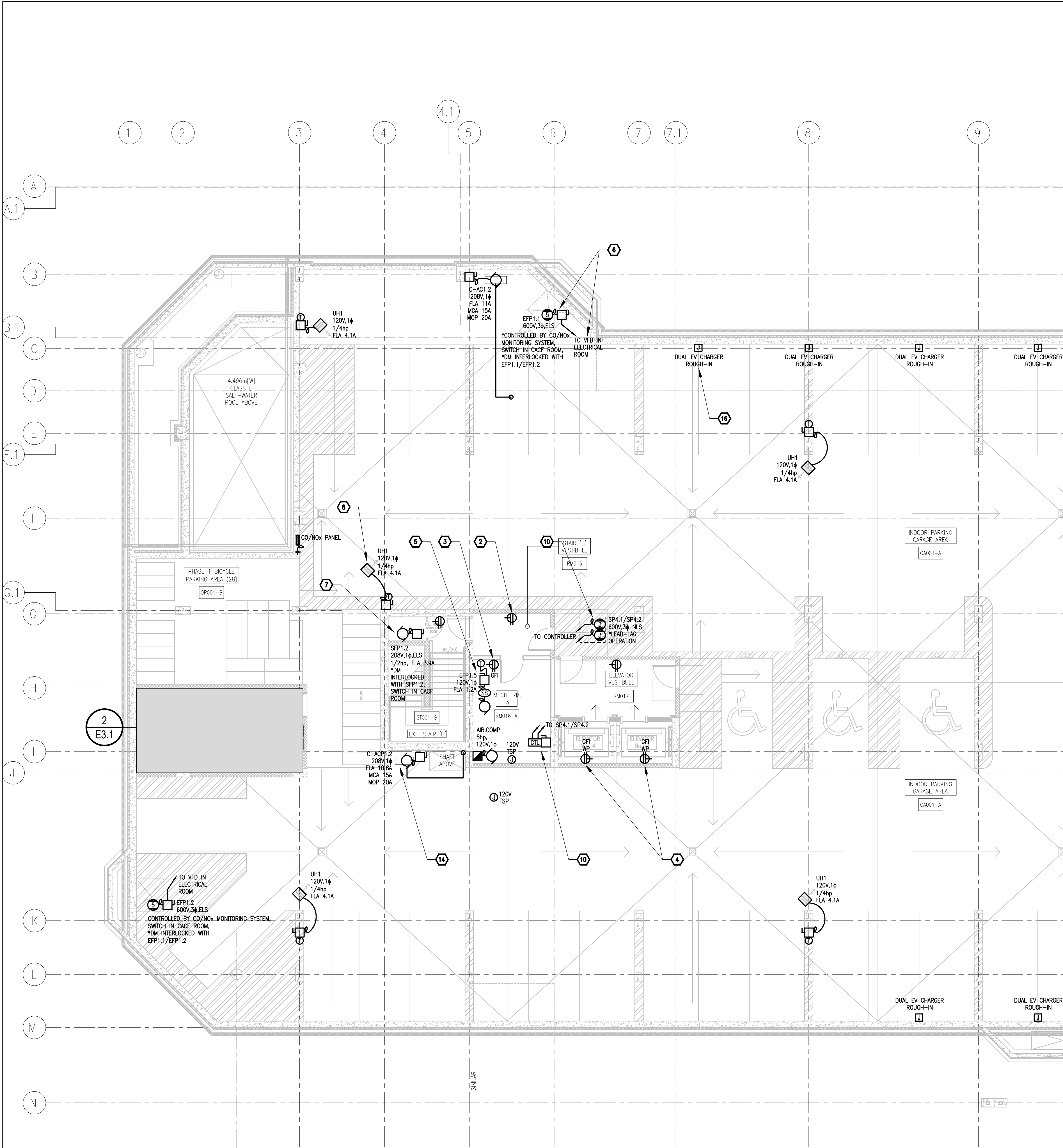




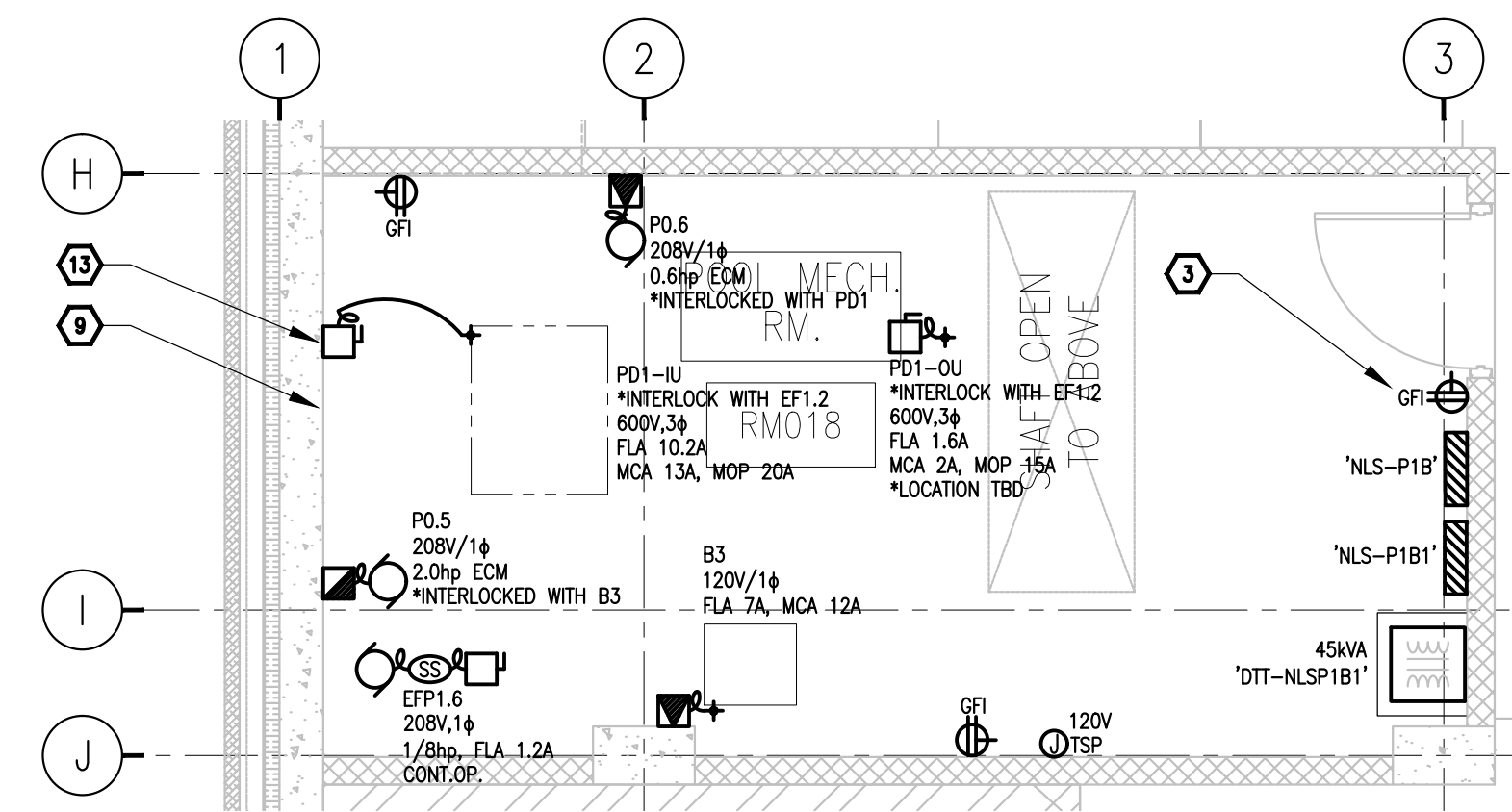
1 ELECTRICAL LAYOUT - POWER - LEVEL P1 - WEST
E3.1 1:100

NEW WORK NOTES

- TYPICAL:** PROVIDE RECEPTACLE TYPE AS INDICATED C/W CONDUIT, WIRING AND CONNECTION. COORDINATE FINAL LOCATIONS ON SITE WITH INTERIOR DESIGNER DRAWINGS.
- TYPICAL:** PROVIDE 5-20R HOUSEKEEPING RECEPTACLE. CIRCUIT # AS SHOWN.
- TYPICAL:** PROVIDE NEW GFCI RECEPTACLE TYPE AS INDICATED C/W CONDUIT, WIRING AND CONNECTION. GFCI RECEPTACLE TO BE SELF TEST TYPE C/W LED PILOT LIGHT.
- TYPICAL ELEVATOR PIT:** PROVIDE 5-20R GFI RECEPTACLE C/W CONDUIT AND WIRING. COORDINATE FINAL LOCATION WITH ELEVATOR CONTRACTOR.
- TYPICAL:** FANS (V, Φ , FLA AND HP AS INDICATED), SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH C/W CONDUIT AND WIRING AND CONNECT. COORDINATE FINAL FLA, MCA, MOP, LOCATION AND INTERLOCK/CONNECTIONS WITH DAMPER MOTORS/SPEED CONTROLLERS AS REQUIRED BY MECHANICAL DRAWINGS.
- TYPICAL:** PARKING EXHAUST FAN/SMOKE EVACUATION FANS EPF1.1 & EPF1.2 EACH (600V, 3 Φ , 60Hz, 5.0HP) AND VFD SUPPLIED BY MECHANICAL CONTRACTOR. PROVIDE DISCONNECT AT FAN CONNECTION TO REMOTE VFD IN 2-HOUR FIRE RATED P1 MECHANICAL ROOM, RELAY CONNECTION TO KEY SWITCH IN CAFÉ ROOM, CONDUIT, WIRING AND CONNECTION. CIRCUIT FANS ON 600V LIFE SAFETY POWER AS SHOWN. FANS INTERLOCKED WITH DAMPER MOTORS AT INTAKE SHAFT ON P1 LEVEL. PROVIDE CONDUIT, WIRING AND CONNECTION. CIRCUIT DAMPERS ON 120V LIFE SAFETY POWER AS SHOWN. FANS TO SHUT DOWN ON FIRE ALARM AND BE ACTIVATED VIA KEY SWITCH IN CAFÉ ROOM.
- TYPICAL:** STARWELL PRESSURIZATION FANS SPF1.1 & SPF1.2 EACH (208V, 1 Φ , 1/2hp) SUPPLIED BY MECHANICAL CONTRACTOR. PROVIDE DISCONNECT AT FAN CONNECTION TO REMOTE COMBINATION MAGNETIC STARTER IN 2-HOUR FIRE RATED P1 ELECTRICAL ROOM. RELAY CONNECTION TO KEY SWITCH IN CAFÉ ROOM, CONDUIT, WIRING AND CONNECTION. CIRCUIT FANS ON 208V LIFE SAFETY POWER AS SHOWN. FANS INTERLOCKED WITH DAMPER MOTORS AT INTAKE DUCT ON GROUND LEVEL. PROVIDE CONDUIT, WIRING AND CONNECTION. CIRCUIT DAMPER MOTORS ON 120V LIFE SAFETY POWER AS SHOWN. FANS TO RUN ON ACTIVATION OF FIRE ALARM.
- TYPICAL:** PROVIDE ELECTRIC HEATERS (V, Φ , FLA AND HP AS INDICATED), C/W DISCONNECT SWITCH, ACCESSORIES, CONDUIT AND WIRING. REFER TO ELECTRIC UNIT HEATER/FORCE FLOW SCHEDULE.
- TYPICAL:** PUMPS (V, Φ , FLA AND HP AS INDICATED), SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH C/W CONDUIT, WIRING AND CONNECTION. COORDINATE FINAL LOCATION, EQUIPMENT RATING AND CONNECTION WITH MECHANICAL CONTRACTOR.
- TYPICAL SUMP PUMPS:** SUMP PUMPS (V, Φ , FLA AND HP AS INDICATED), C/W PUMP CONTROLLER LOCATED IN ADJACENT SERVICE ROOM C/W TRANSFORMER, SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH, WIRING AND CONNECTION TO CONTROLLER, PUMPS AND FLOATS. PROVIDE MINIMUM 2x53mm CONDUIT FROM CONTROLLER TO PUMP FOR FLOATS. PROVIDE CONDUIT, WIRING AND CONNECTION TO POWER AS PER DETAILS 1 & 2/EO.6.
- FIRE-PUMP-FP4** * DELETED.
- HOKEY-PUMP-JP4** * DELETED.
- TYPICAL FOR MECHANICAL EQUIPMENT:** PROVIDE DISCONNECT SWITCH C/W CONDUIT, WIRING AND CONNECTION. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
- TYPICAL CONDENSING AND AC UNITS:** C-AC# AND AC# (V, Φ , MCA AND MOP AS INDICATED) SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH C/W CONDUIT, WIRING AND CONNECTION. PROVIDE CONDUIT C/W WIRING FROM CONDENSING UNIT TO AC UNIT AND CONNECT. AC UNIT FED FROM CONDENSING UNIT.
- TYPICAL EV CHARGERS:** PROVIDE LEVEL-2 6.6/7.2kW (40A/2P) NETWORKED ELECTRICAL VEHICLE DUAL CHARGING STATION C/W PARKING CAPABILITY EQUAL TO CHARGEPOINT. PROVIDE 6"x6" JUNCTION BOX AT CEILING LEVEL C/W 35mm EMT CONDUIT. PROVIDE 2 CIRCUITS AND 2 SETS OF 3#6AWG CU+GND WIRING BACK TO MAIN ELECTRICAL ROOM PANEL 'EV' PER DUAL CHARGING STATION. COORDINATE WITH ARCHITECT FOR EXACT LOCATIONS.
- TYPICAL EV CHARGER ROUGH-IN:** PROVIDE 6"x6" JUNCTION BOX AT CEILING LEVEL C/W 35mm EMT CONDUIT BACK TO PANEL 'EV' IN MAIN ELECTRICAL ROOM.
- TYPICAL:** PROVIDE 120V JUNCTION BOX IN CEILING SPACE FOR EMERGENCY CALL ASSISTANCE KIT C/W CONDUIT AND WIRING. CIRCUIT # AS INDICATED. REFER TO SYSTEMS DRAWINGS FOR EMERGENCY CALL ASSISTANCE REQUIREMENT.

GENERAL NOTES

- ALL RECEPTABLES IN MEDICAL ROOMS, DOCTOR'S OFFICES, NURSING ROOMS SHALL BE HOSPITAL GRADE.
- PROVIDE ACOUSTIC PUTTY PADS FOR OUTLETS BETWEEN UNITS AND 600mm of WALL. PROVIDE FIRE-RATED PUTTY PADS FOR OUTLETS IN FIRE RATED WALLS.
- COORDINATE ROUTING OF ELECTRICAL FEEDERS, FIRE ALARM WIRING, LIFE SAFETY EMERGENCY AND NON-LIFE SAFETY EMERGENCY FEEDERS ETC. WITHIN 2-HOUR FIRE RATED ELECTRICAL ROOMS AND HORIZONTAL SHAFTS AS INDICATED IN ARCHITECTURAL DRAWINGS.
- ALL RECEPTABLES EXCEPT IN SERVICE ROOMS SHALL BE TAMPER PROOF.
- CONTRACTOR SHALL SUBMIT ELECTRICAL ROOM LAYOUT C/W ALL CLEARANCES AS SHOP DRAWING FOR ENGINEER'S REVIEW.
- ALLOW FOR 3m RELOCATION.
- COORDINATE WITH ALL OTHER TRADES FOR INTERFERENCES.
- REFER TO MECHANICAL DRAWINGS FOR FINAL POWER AND CONTROL REQUIREMENTS AND LAYOUTS OF MECHANICAL EQUIPMENT.
- FAN SPEED CONTROLLERS TO BE SUPPLIED BY MECHANICAL AND WIRED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING, CONDUIT AND CONNECTION BETWEEN LINE REACTOR, VFD UNIT, LOAD REACTOR AND MOTOR. ALL CABLES BETWEEN LINE REACTOR, VFD CONTROL PANEL, LOAD REACTOR AND MOTORS SHALL BE SUITABLE FOR HARMONIC CONTROL. CABLES SHALL BE EQUAL TO NEXANS JORVIKRY VFD CABLE. VFD UNIT SHALL BE C/W TIME DELAY FUSES. SET ALL CONTROL PARAMETERS TO INRUSH CURRENT AND UTILITY VOLTAGE.



2 ELECTRICAL LAYOUT - POWER - PARTIAL LEVEL P1 - POOL MECH ROOM
E3.1 1:50

Client

DATE	REVISION	REF
2026-07-06	ISSUED FOR UPDATED RCP	-
2026-05-25	ISSUED FOR 66% R2 WITH SUITE HVAC	-
2026-05-19	ISSUED FOR 66% R1 WITH LIGHTING	-
2026-05-15	ISSUED FOR 66% R1 PROGRESS	-
2026-05-05	ISSUED FOR SUPERSTRUCTURE BUILDING PERMIT	1
2026-05-01	ISSUED FOR 66% PROGRESS	-
2026-04-24	ISSUED FOR 33%R1 WITH LIGHTING	-
2026-04-15	ISSUED FOR 33%R1 PROGRESS	-
2026-04-01	ISSUED FOR 33% PROGRESS	-

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NE PAS MESURER LES Dessins À L'ÉCHELLE

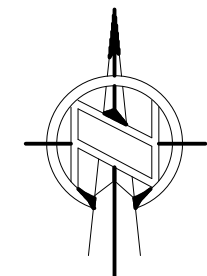


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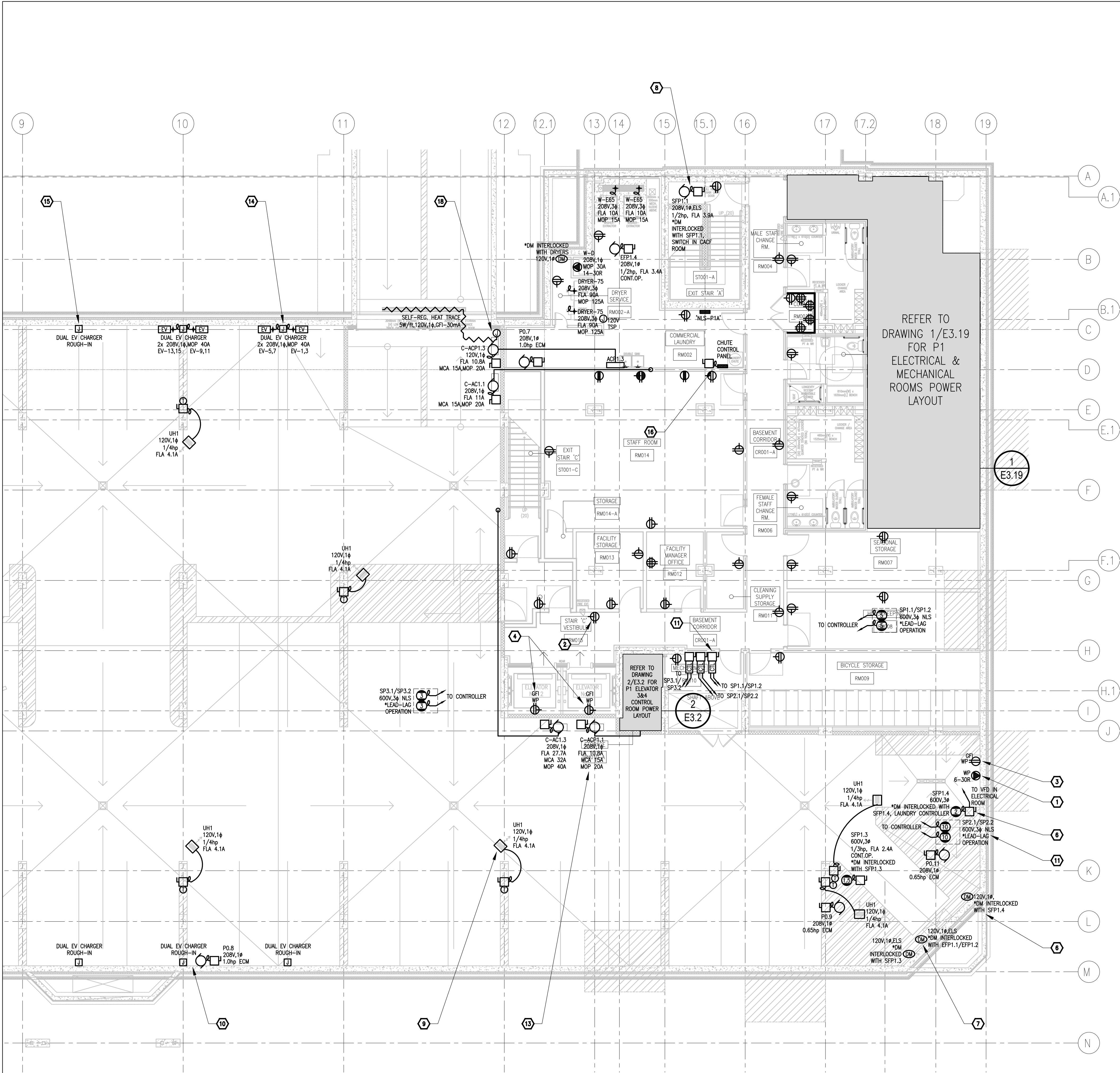
Project/Projet

**WATERIDGE LIFESTYLES
(PHASE 1) WATERIDGE VILLAGE**
100 BAREILLE-SNOW ST., OTTAWA ON

Drawing title/Titre du dessin

**ELECTRICAL LAYOUT
POWER
LEVEL P1 - WEST**

Scale Échelle	AS NOTED	Project no./No. du projet 2025-552
Design by Conçu par	B.P./C.S.	Drawing/Dessin
Drawn by Dessiné par	B.P.	E3.1 of 77
Reviewed by Examiné par	D.VAS	



1
E3.2
ELECTRICAL LAYOUT - POWER - LEVEL P1 - EAST
1:100

- NEW WORK NOTES
- 1

TYPICAL:
PROVIDE RECEPTACLE TYPE AS INDICATED C/W CONDUIT, WIRING AND CONNECTION. COORDINATE FINAL LOCATIONS ON SITE WITH INTERIOR DESIGNER DRAWINGS.
- 2

TYPICAL:
PROVIDE 5-20R HOUSEKEEPING RECEPTACLE. CIRCUIT # AS SHOWN.
- 3

TYPICAL:
PROVIDE NEW GFCI RECEPTACLE TYPE AS INDICATED C/W CONDUIT, WIRING AND CONNECTION. GFCI RECEPTACLE TO BE SELF TEST TYPE C/W LED PILOT LIGHT.
- 4

TYPICAL ELEVATOR PIT:
PROVIDE 5-20R GFI RECEPTACLE C/W CONDUIT AND WIRING. COORDINATE FINAL LOCATION WITH ELEVATOR CONTRACTOR.
- 5

TYPICAL ELEVATOR CONTROL ROOM:
PROVIDE 600V, 3Ø, 4W, 60A/30A FUSED DISCONNECT SWITCH C/W DUAL ELEMENT TIME DELAY CHARACTERISTIC FUSE, AUXILIARY CONTACT, 4#10+GND WIRING IN 27mm CONDUIT PER EACH CAB AND CONNECT. ELECTRICAL CONTRACTOR TO PROVIDE 600-480V, 3Ø AUTOTRANSFORMER. PROVIDE WIRING FROM 600V DISCONNECT SWITCH TO AUTO TRANSFORMER AND FROM AUTO TRANSFORMER TO 480V DISCONNECT SWITCH. PROVIDE 480V, 3Ø, 4W, 60A/30A FUSED DISCONNECT SWITCH C/W AUXILIARY CONTACT, CONDUIT AND WIRING AND CONNECT. WIRING C/W CONDUIT FROM 480V TO EQUIPMENT AND ALL ELEVATOR EQUIPMENT SUPPLIED, INSTALLED AND WIRED BY ELEVATOR CONTRACTOR. COORDINATE FINAL FUSE SIZE, FINAL LOCATIONS AND ALL ELEVATOR WORK WITH ELEVATOR CONTRACTOR ON SITE. PROVIDE TEMPORARY 220V/1Ø, 2ØA POWER C/W CONDUIT AND WIRING FOR ELEVATOR CONTRACTOR WORK.
PROVIDE 120V, 1Ø, 3ØA-15A DISCONNECT FOR ELEVATOR CAB LIGHTING PER EACH CAB C/W CONDUIT AND WIRING. COORDINATE WORK AND FINAL LOCATION ON SITE WITH ELEVATOR CONTRACTOR.
PROVIDE 120V, 1Ø, 3ØA-15A DISCONNECT FOR ELEVATOR CAB MONITORING C/W CONDUIT AND WIRING. COORDINATE WORK AND FINAL LOCATION ON SITE WITH ELEVATOR CONTRACTOR.
- 6

TYPICAL:
FANS (V, Ø, FLA AND HP AS INDICATED), SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH C/W CONDUIT AND WIRING AND CONNECT. COORDINATE FINAL FLA, MCA, MOP, LOCATION AND INTERLOCK/CONNECTIONS WITH DAMPER MOTORS/SPEED CONTROLLERS AS REQUIRED BY MECHANICAL DRAWINGS.
- 7

TYPICAL:
PARKING EXHAUST FAN/SMOKE EVACUATION FANS EFP1.1 & EFP1.2 EACH (600V, 3Ø, 60Hz, 5.0HP) AND VFD SUPPLIED BY MECHANICAL CONTRACTOR. PROVIDE DISCONNECT AT FAN, CONNECTION TO REMOTE VFD IN 2-HOUR FIRE RATED P1 MECHANICAL ROOM, RELAY CONNECTION TO KEY SWITCH IN CAF ROOM, CONDUIT, WIRING AND CONNECTION. CIRCUIT FANS ON 600V LIFE SAFETY POWER AS SHOWN. FANS INTERLOCKED WITH DAMPER MOTORS AT INTAKE DUCT ON P1 LEVEL. PROVIDE CONDUIT, WIRING AND CONNECTION. CIRCUIT DAMPER MOTORS ON 120V LIFE SAFETY POWER AS SHOWN. FANS TO SHUT DOWN ON FIRE ALARM AND BE ACTIVATED VIA KEY SWITCH IN CAF ROOM.
- 8

TYPICAL:
STARWELL PRESSURIZATION FANS SP1.1 & SP1.2 EACH (208V, 1Ø, 1/2hp) SUPPLIED BY MECHANICAL CONTRACTOR. PROVIDE DISCONNECT AT FAN, CONNECTION TO REMOTE COMBINATION MAGNETIC STARTER IN 2-HOUR FIRE RATED P1 ELECTRICAL ROOM, RELAY CONNECTION TO KEY SWITCH IN CAF ROOM, CONDUIT, WIRING AND CONNECTION. CIRCUIT FANS ON 208V LIFE SAFETY POWER AS SHOWN. FANS INTERLOCKED WITH DAMPER MOTORS AT INTAKE DUCT ON GROUND LEVEL. PROVIDE CONDUIT, WIRING AND CONNECTION. CIRCUIT DAMPER MOTORS ON 120V LIFE SAFETY POWER AS SHOWN. FANS TO RUN ON ACTIVATION OF FIRE ALARM.
- 9

TYPICAL:
PROVIDE ELECTRIC HEATERS (V, Ø, FLA AND HP AS INDICATED), C/W DISCONNECT SWITCH, ACCESSORIES, CONDUIT AND WIRING. REFER TO ELECTRIC UNIT HEATER/FORCE FLOW SCHEDULE.
- 10

TYPICAL:
PUMPS (V, Ø, FLA AND HP AS INDICATED), SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH C/W CONDUIT, WIRING AND CONNECTION. COORDINATE FINAL LOCATION, EQUIPMENT RATING AND CONNECTION WITH MECHANICAL CONTRACTOR.
- 11

TYPICAL SUMP PUMPS:
SUMP PUMPS (V, Ø, FLA AND HP AS INDICATED), C/W PUMP CONTROLLER LOCATED IN ADJACENT SERVICE ROOM C/W TRANSFORMER, SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH, WIRING AND CONNECTION TO CONTROLLER, PUMPS AND FLOATS. PROVIDE MINIMUM 2x33mm CONDUIT FROM CONTROLLER TO PUMP FOR FLOATS. PROVIDE CONDUIT, WIRING AND CONNECTION TO POWER AS PER DETAILS 1 & 2/EO.6.
- 12

TYPICAL FOR MECHANICAL EQUIPMENT:
PROVIDE DISCONNECT SWITCH C/W CONDUIT, WIRING AND CONNECTION. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
- 13

TYPICAL CONDENSING AND AC UNITS: C-AC# AND AC#, (V, Ø, MCA AND MOP AS INDICATED) SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECT SWITCH C/W CONDUIT, WIRING AND CONNECTION. PROVIDE CONDUIT C/W WIRING FROM CONDENSING UNIT TO AC UNIT AND CONNECTION. AC UNIT FID FROM CONDENSING UNIT.
- 14

TYPICAL EV CHARGERS:
PROVIDE LEVEL-2 6.6/7.2kW (40A/2P) NETWORKED ELECTRICAL VEHICLE DUAL CHARGING STATION C/W PAYMENT CAPABILITY EQUAL TO CHARGEPOINT. PROVIDE 6"x6" JUNCTION BOX AT CEILING LEVEL C/W 35mm EMT CONDUIT. PROVIDE 2 CIRCUITS AND 2 SETS OF 3#6AWG CU+GND WIRING BACK TO MAIN ELECTRICAL ROOM PANEL 'EV' PER DUAL CHARGING STATION. COORDINATE WITH ARCHITECT FOR EXACT LOCATIONS.
- 15

TYPICAL EV CHARGER ROUGH-IN:
PROVIDE 6"x6" JUNCTION BOX AT CEILING LEVEL C/W 35mm EMT CONDUIT BACK TO PANEL 'EV' IN MAIN ELECTRICAL ROOM.
- 16

PROVIDE 35mm CONDUIT IN GARBAGE CHUTE FOR CHUTE CONTROLS C/W PULL STRINGS FROM P1 LEVEL TO LEVEL 6 STUBBING AT EACH FLOOR. COORDINATE WORK ON SITE WITH GENERAL CONTRACTOR.
- 17

TYPICAL:
PROVIDE 120V JUNCTION BOX IN CEILING SPACE FOR EMERGENCY CALL ASSISTANCE KIT C/W CONDUIT AND WIRING. CIRCUIT # AS INDICATED. REFER TO SYSTEMS DRAWINGS FOR EMERGENCY CALL ASSISTANCE REQUIREMENT.
- 18

HEAT TRACE CABLE, SELF-REGULATING TYPE. PROVIDE 120V 15A GFCI 30mA PROTECTED BREAKER AND CONDUIT, WIRING AND CONNECTION.

- GENERAL NOTES
1.

ALL RECEPTACLES IN MEDICAL ROOMS, DOCTOR'S OFFICES, NURSING ROOMS SHALL BE HOSPITAL GRADE.
2.

PROVIDE ACOUSTIC PUTTY PADS FOR OUTLETS BETWEEN UNITS AND 600mm OF WALL. PROVIDE FIRE-RATED PUTTY PADS FOR OUTLETS IN FIRE RATED WALLS.
3.

COORDINATE ROUTING OF ELECTRICAL FEEDERS, FIRE ALARM WIRING, LIFE SAFETY EMERGENCY AND NON-LIFE SAFETY EMERGENCY FEEDERS ETC. WITHIN 2-HOUR FIRE RATED ELECTRICAL ROOMS AND HORIZONTAL SHAFTS AS INDICATED IN ARCHITECTURAL DRAWINGS.
4.

ALL RECEPTACLES EXCEPT IN SERVICE ROOMS SHALL BE TAMPER PROOF.
5.

CONTRACTOR SHALL SUBMIT ELECTRICAL ROOM LAYOUT C/W ALL CLEARANCES AS SHOP DRAWING FOR ENGINEER'S REVIEW.
6.

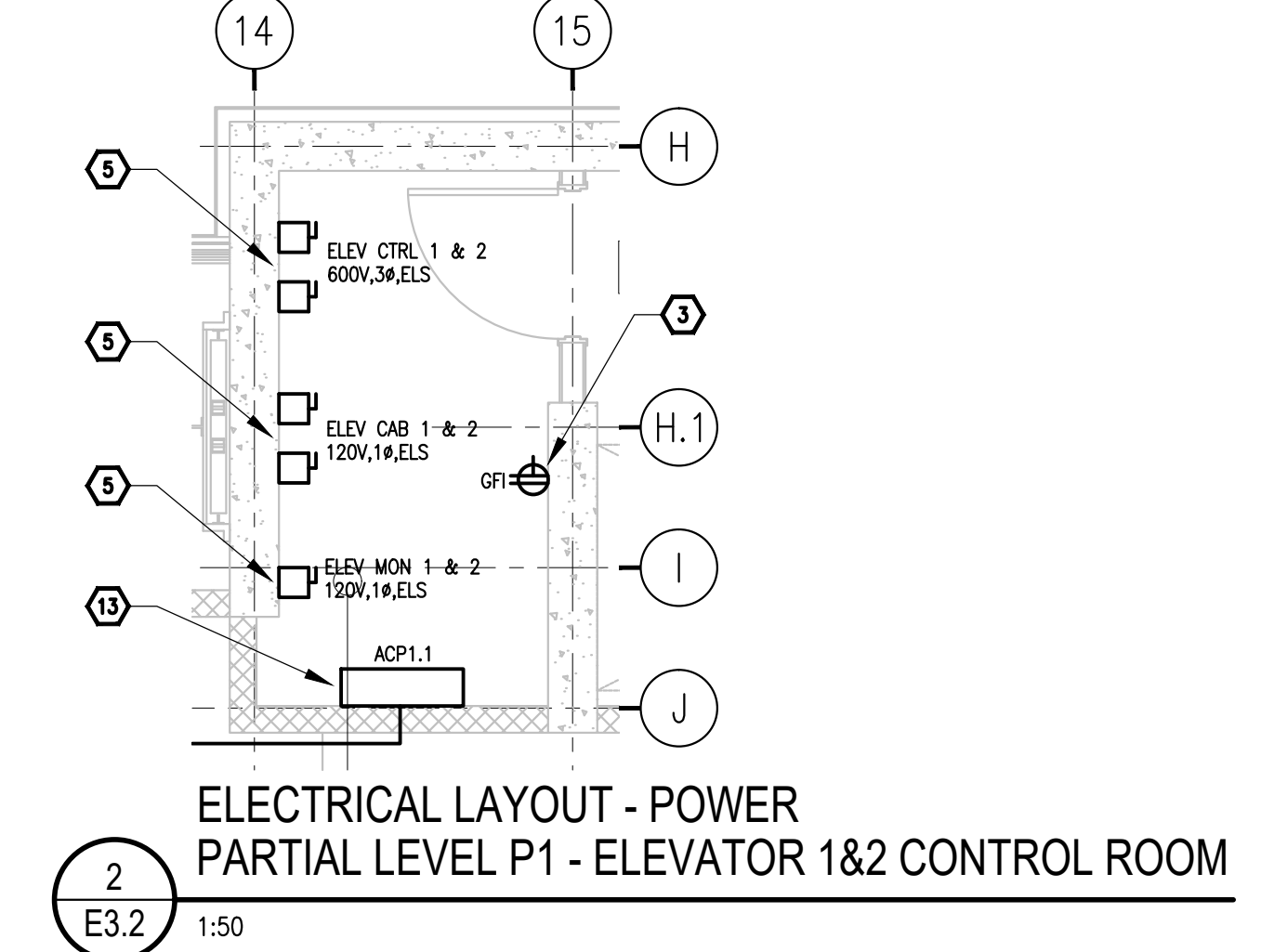
ALLOW FOR 3m RELOCATION.
7.

COORDINATE WITH ALL OTHER TRADES FOR INTERFERENCES.
8.

REFER TO MECHANICAL DRAWINGS FOR FINAL POWER AND CONTROL REQUIREMENTS AND LAYOUTS OF MECHANICAL EQUIPMENT.
9.

FAN SPEED CONTROLLERS TO BE SUPPLIED BY MECHANICAL AND WIRED BY ELECTRICAL CONTRACTOR.
10.

ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING, CONDUIT AND CONNECTION BETWEEN LINE REACTOR, VFD UNIT, LOAD REACTOR AND MOTOR. ALL CABLES BETWEEN LINE REACTOR, VFD CONTROL PANEL, LOAD REACTOR AND MOTORS SHALL BE SUITABLE FOR HARMONIC CONTROL. CABLES SHALL BE EQUAL TO NEXANS JORVERX VFD CABLE. VFD UNIT SHALL BE C/W TIME DELAY FUSES. SET ALL CONTROL PARAMETERS TO INRUSH CURRENT AND UTILITY VOLTAGE.



Client		

2026-07-06	ISSUED FOR UPDATED RCP	-
2026-05-25	ISSUED FOR 66% R2 WITH SUITE HVAC	-
2026-05-19	ISSUED FOR 66% R1 WITH LIGHTING	-
2026-05-15	ISSUED FOR 66% R1 PROGRESS	-
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2026-04-01	ISSUED FOR 33% PROGRESS	-
DATE	REVISION	REF

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NE PAS MESURER LES Dessins A L'ÉCHELLE

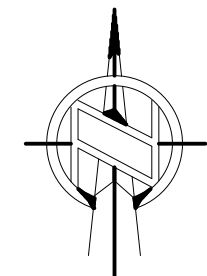


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Project/Projet

**WATERIDGE LIFESTYLES
(PHASE 1) WATERIDGE VILLAGE**
100 BAREILLE-SNOW ST., OTTAWA ON

Drawing title/Titre du dessin

**ELECTRICAL LAYOUT
POWER
LEVEL P1 - EAST**

Scale Échelle	AS NOTED	Project no./No. du projet 2025-552
Design by Conçu par	B.P./C.S.	Drawing/Dessin
Drawn by Dessiné par	B.P.	E3.2 of 77
Reviewed by Examiné par	D.VAS	