Site Instruction

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Date: April 17, 2018

Project Name:	AQUAVISTA - Bayside	*Project No.:*	8489D
Client:	TRIDEL Corporation	*SI No.:*	E 041
To:	TRIDEL Corporation	*Page No.:*	1 of 1+ 5 attached
Attention:	Chadi Loza	*Office:*	Toronto
Fax number:	-	*From:*	Sunanda Perera Radovan Andulajevic

Distribution: Gin Hum –TRIDEL
Chadi Loza - TRIDEL
Christina Lee -KIRKOR
Al Medeiros –MCW
Michael Hunter-MCW
Mark Furtado-MCW
Sarfraz H. Jaffrey-MCW

Provide itemized labor, equipment and material costs for Work listed below. Do not proceed with any of the listed Work prior to issuance of signed Change Order.

Title: Mechanical coordination

Specification:

Spec	Issued	Items
Panel schedule 2P1CPM	Yes	• Feed fan coil unit ACCM-03 from new circuit breaker. • Feed air cooled condenser ACUCM-03 from new circuit breaker.

Electrical:

Drawing No.	Drawing Issued	Items
• Electrical drawings have been revised to address mechanical update		
E1-02	Yes	• Provide power connection to air cooled condenser ACUCM-03 as shown.
E5-01	Yes	• Provide power connection to fan coil unit ACCM-03 as shown.

ME Schedule:

Drawing No.	Drawing Issued	Items
ME-33	Yes	• Circuiting updated for mechanical units 'ACCM-03' and 'ACUCM-03'.

Reason for Issue – Design coordination with mechanical SI-M029.

End of SI-E041

PANEL SCHEDULE

120/208 VOLTS

3 PHASE 4 WIRE

125 AMP MAINS

MLO MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

2P1CPM

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	LOAD PER PHASE a	b	c	CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
Entrance and Unit Heater EHCM-01, 02				15	1a				2a	15				Metering
						690			4b					
Entrance and Unit Heater EHCM-03, 04				15	3b				6c					
							690							
Unitery DX Unit ACCM-01				20	5c				8a	15				Spare
								432						
					7a				10b					
						432								
					9b				12c					
							432							
Air Cooled Condenser ACUCM-01				40	11c				14a	20				Spare
								1501						
					13a				16b					
						1501								
					15b				18c					
							1501							
Unitery DX Unit ACCM-02				20	17c				20a	15				Unitery DX Unit ACCM-03
								146						
					19a	250			22b					
						146								
Air Cooled Condenser ACUCM-02				20	21b		250		24c	35				Air Cooled Condenser ACUCM-03
							884							
					23c			1700	26a					
								884						
					25a	1700			28b					
					27b		1700		30c					
					29c				32a					
					31a				34b					
					33b				36c					
					35c				38a					

Isuued For Construction
-8489D Commercial Parking Electrical Panel Schedule.xls

					37a				38a							
					39b				40b							
					41c				42c							
						4719	5457	4663								

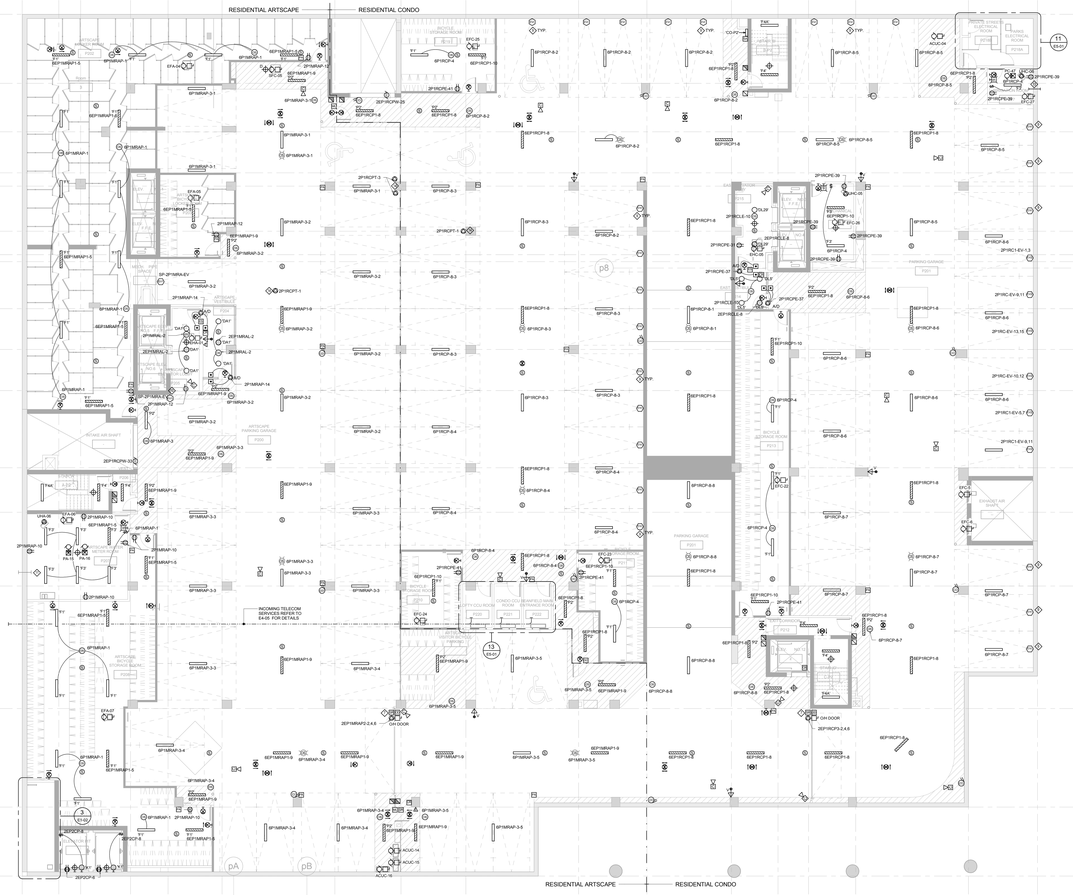
TOTAL WATT 14839

TOTAL AMP 41

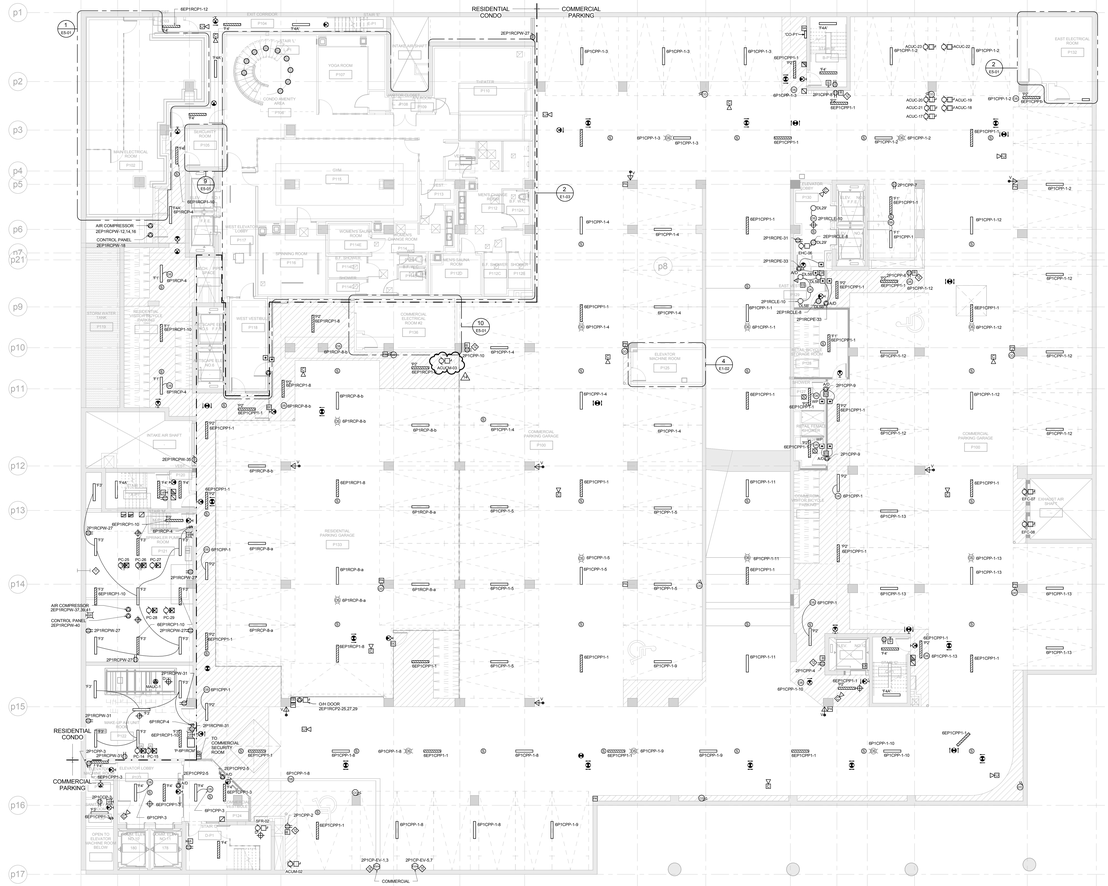
PANEL TYPE: TYPE1-SPRINKLER PROOF

LOCATION: LEVEL P1 COMM PARKING ELEC RM

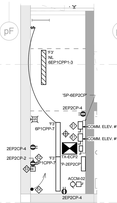
MOUNTING: SURFACE



1 LEVEL P2 - ELECTRICAL
1 : 100



2 LEVEL P1 - ELECTRICAL
1 : 100



ELEVATOR MACHINE ROOM NOTES:

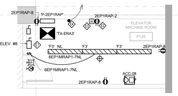
1. PROVIDE DISCONNECT SWITCH FOR ELEVATOR MOTOR, C/W AUXILIARY CONTACTS FOR INTERLOCKING WITH EMERGENCY POWER. REFER TO SINGLINE DIAGRAM FOR FEEDER SIZE. FUSE TO BE PROVIDED AS PER ELEVATOR SHOP.
2. DEDICATE GFI RECEPTACLE NEXT TO CONTROL CABINET. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR ON SITE.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL EMPTY CONDUIT C/W PULL WIRE FROM MAIN TELECOMMUNICATION ROOM FOR A DEDICATED TELEPHONE LINE TO REMAIN ENERGIZED DURING POWER OUTAGES FOR ELEVATOR SIGNAL CONTROL CABINET FOR EMERGENCY CALL SYSTEM.
4. CONSULT TO PLYWOOD BACKBOARD FOR SECURITY SERVICE.

3 ELEVATOR MACH. ROOM P209
1 : 50

NOTES:

1. ALL GARAGE LIGHT FIXTURES SHALL BE TYPE 'P1' UNLESS OTHERWISE NOTED.
2. REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS. (DWG. E4-01)
3. PROVIDE MINIMUM #10 AWG WIRING FOR ALL LIGHT FIXTURES IN STAIRS AND IN CORRIDORS.
4. ALL LIGHTING FIXTURES FED FROM NORMAL POWER WITHIN THE PARKING GARAGE SHALL BE CONTROLLED BY OCCUPANCY SENSORS. ALL LIGHTING FIXTURES FED FROM EMERGENCY POWER WITHIN THIS PARKING GARAGE SHALL BE 'HIT'.
5. ALL LIGHTING FIXTURES SHALL BE TYPE 'F1', 'F2', 'F3', 'F4', 'F5', 'F6', 'F7', 'F8', 'F9' OR 'F10'. REFER TO DWG. E4-01 FOR CIRCUIT NUMBER. COMMERCIAL PARKING AREA EXIT SIGNS ARE FED FROM SEPCPF1 C/ ON F1.
6. MINIMUM WATER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE. REFER TO MIRENDA INCORPORATED DRAWING FOR QUANTITY AND DESCRIPTION.

1. PROVIDE JUNCTION BOX FOR OH DOOR CONTROL. RUN CONDUIT WITH WIRING TO CONCIERGE DESK.
2. N/A
3. MOUNTING HEIGHT 1000mm A.F.F. ALL CONDUITS C/W PULL WIRE BACK TO ELETRICAL CAR CHARGING PANEL AT EAST ELECTRICLA ROOM (P152).
4. PROVIDE LOCKABLE COVER. MOUNTING HEIGHT 1000mm A.F.F.
5. PROVIDE 1-25mmC CONDUIT C/W PULL WIRE FOR REMOTE WATER METER. EXACT LOCATION OF REMOTE WATER METER TO BE COORDINATED WITH THE CITY OF TORONTO REQUIREMENTS.
6. FOR COMMERCIAL PARKING PXY STATION.
7. PROVIDE 4-27mmC CONDUITS TO IRRIGATION CONTROLLERS. EXACT IRRIGATION CONTROLLER LOCATIONS TO BE COORDINATED ON SITE.
8. FOR PIPE HEAT TRACING, REFER TO MECHANICAL DRAWING FOR EXACT LOCATION.



4 ELEVATOR MACH. ROOM P125 (ARTSCAPE)
1 : 50

Contractor Must Check And Verify All Dimensions On The Job.
Do Not Scale The Drawings.
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Date: 03/06/15

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No.	Revision	Date
1	ISSUED FOR ADD E-001	2015/12/08
2	ISSUED FOR ADD E-002	2016/01/06
3	ISSUED FOR ADD E-003	2016/01/08
4	ISSUED FOR CONSTRUCTION	2016/04/21
5	ISSUED FOR SI-E003	2016/05/25
6	ISSUED FOR SI-E006	2016/11/16
7	ISSUED FOR SI-E008	2016/11/29
8	ISSUED FOR SI-E025	2017/04/07
9	ISSUED FOR SI-E026	2017/05/02
10	ISSUED FOR SI-E028	2017/06/19
11	ISSUED FOR SI-E038	2018/03/06
12	ISSUED FOR SI-E039	2018/04/11
13	ISSUED FOR SI-E041	2018/04/11
14	ISSUED FOR SI-E041	2018/04/11

No.	Issued For	Date
6		
5	BUILDING PERMIT RESUBMISSION	2017-04-25
4	ISSUED FOR CONSTRUCTION	2016-04-21
3	ISSUED FOR TENDER	2015-10-16
2	BUILDING PERMIT SUBMISSION	2015-06-12
1	WT REVIEW	2015-05-01

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
LEVEL P2 & LEVEL P1 PARKING PLAN - ELECTRICAL

Project
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON

Scale	As indicated
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/06/15
Drawing No.	E1-02

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This Drawing Is Not To Be Used For Construction Until Signed ByThe Architect.

Date: 08/06/15

LICENSED PROFESSIONAL ENGINEER
8489D
D. C. M. BELLAMY
PROVINCE OF ONTARIO

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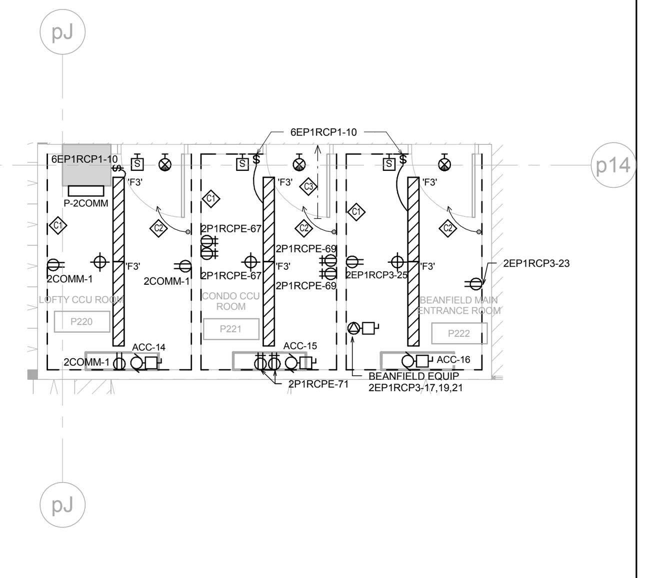
No.:	Revision	Date
1	ISSUED FOR ADD E-002	2016/01/06
2	ISSUED FOR ADD E-003	2016/01/26
3	ISSUED FOR SI-E001	2016/05/10
4	ISSUED FOR SI-E003	2016/09/29
5	ISSUED FOR SI-E009	2016/12/08
6	ISSUED FOR SI-E039	2018/04/11
~~7~~	~~ISSUED FOR SI-E040~~	~~2018/04/11~~
8	ISSUED FOR SI-E041	2018/04/11

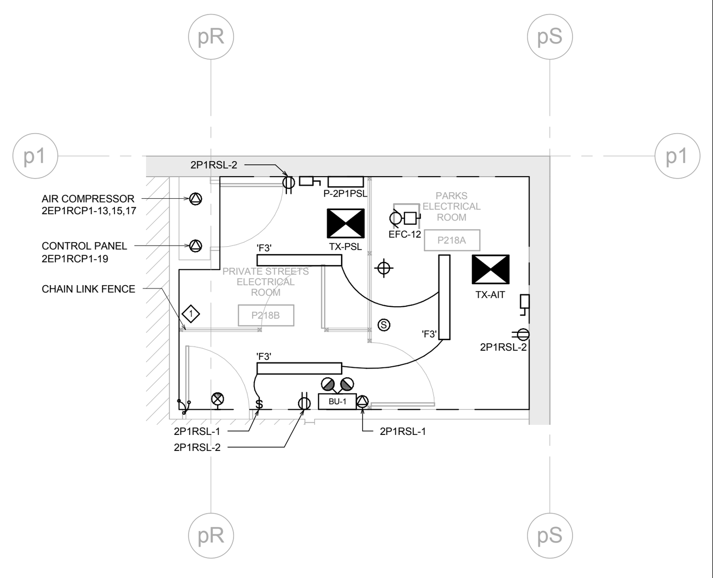


NOTES:

- C1 20mm PLYWOOD BACKBOARD 2400mm HIGH ALL ROUND ROOM.
- C2 1-#3/0 IN 60mm PVC TIED TO MAIN GROUNDING BAR IN MAIN ELECTRICAL ROOM.
- C3 RUN ONE (1) 20mmØ CONDUIT TO EACH OF THE FOLLOWING LOCATIONS:
  - GAS METER
  - WATER METER
  - HYDRO METER (INCOMING)
  - CACF ROOM FOR DVAC LINES
  - CACF FOR ELEVATOR PHONES
  - SECURITY ROOM

  OWNER TO ARRANGE WITH APPROPRIATE UTILITY FOR DEDICATED PHONE LINES.

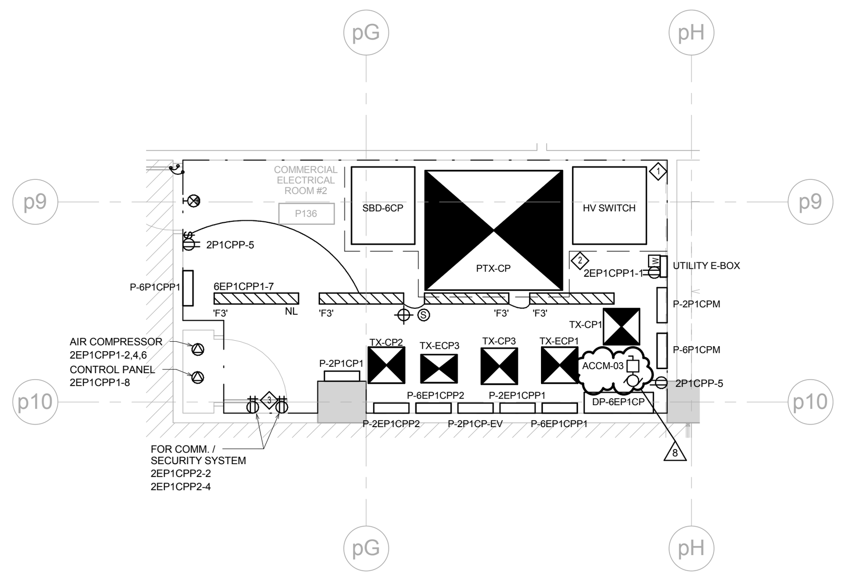
13 CCU ROOMS & BEANFIELD ENTRANCE ROOM - LEVEL P2
1 : 50



NOTES:

1. GROUND BUSS INTERCONNECTED WITH #3/0 AWG GROUND WIRE. MOUNT GROUND LOOP AT HIGH LEVEL. RUN A #3/0 AWG GROUND WIRE TO THE MAIN ELECTRICAL ROOM GROUNDING SYSTEM. GROUND ALL METAL WITHIN THE ROOM, INCLUDING DOOR FRAMES, DOORS, MECHANICAL EQUIPMENT, ETC.

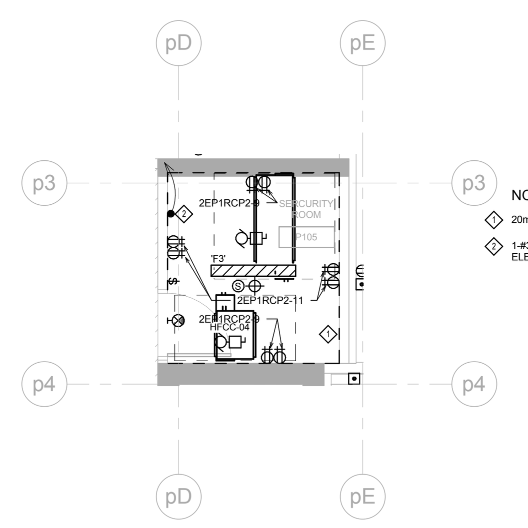
11 PARKS ELECTRICAL ROOM - LEVEL P2
1 : 50



NOTES:

1. GROUND BUSS INTERCONNECTED WITH #3/0 AWG GROUND WIRE. MOUNT GROUND LOOP AT HIGH LEVEL. RUN A #3/0 AWG GROUND WIRE TO THE MAIN ELECTRICAL ROOM GROUNDING SYSTEM. GROUND ALL METAL WITHIN THE ROOM, INCLUDING DOOR FRAMES, DOORS, MECHANICAL EQUIPMENT, ETC.
2. PROVIDE 100mm HIGH CONCRETE PAD FOR ALL FLOOR STANDING EQUIPMENT.
3. PROVIDE 1200mm(W) X 2440mm(H) X 19mm(D) PLYWOOD BACKBOARD. REFER TO COMMUNICATION / SECURITY RISER E4-05 / E4-06 FOR CONDUITS DETAIL.

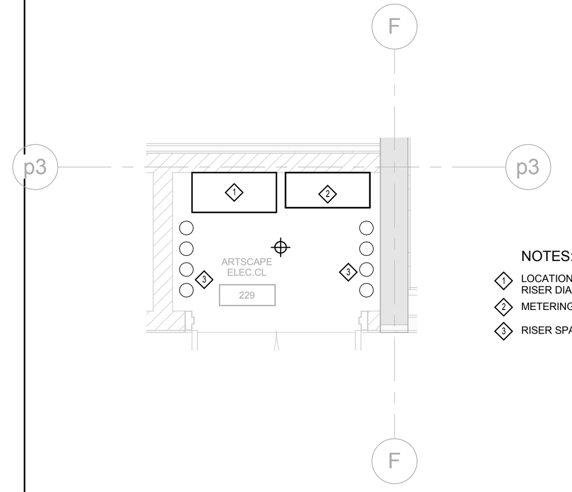
10 COMMERCIAL ELECTRICAL ROOM - LEVEL P1
1 : 50



NOTES:

1. 20mm PLYWOOD BACKBOARD 2400mm HIGH ALL ROUND ROOM.
2. 1-#3/0 IN 60mm PVC TIED TO MAIN GROUNDING BAR IN MAIN ELECTRICAL ROOM.

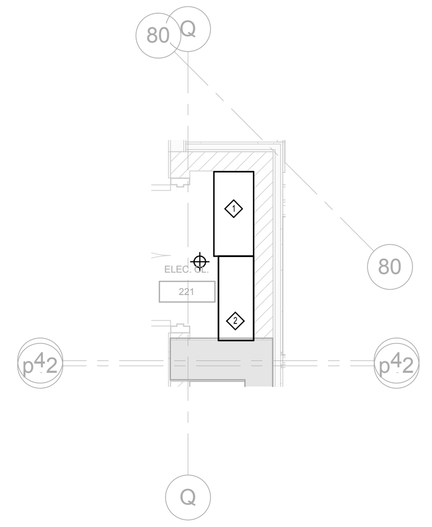
9 SECURITY ROOM P105
1 : 50



NOTES:

1. LOCATION OF SUITE DISTRIBUTION PANEL AS SHOWN ON RISER DIAGRAM.
2. METERING EQUIPMENT.
3. RISER SPACE FOR SYSTEMS AND FEEDERS.

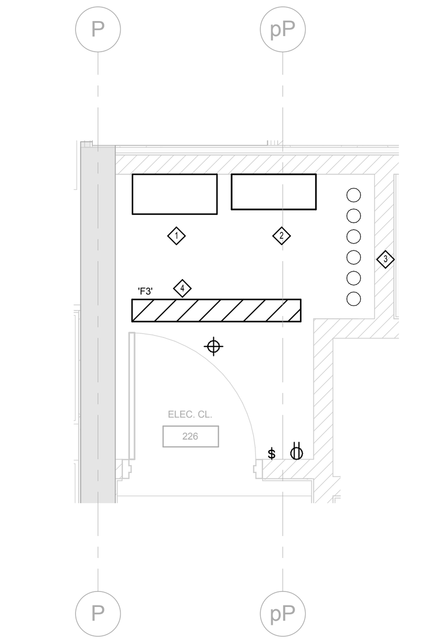
8 TYPICAL ELECTRICAL CLOSET - ARTSCAPE
1 : 25



NOTES:

1. LOCATION OF SUITE DISTRIBUTION PANEL AS SHOWN ON RISER DIAGRAM.
2. METERING EQUIPMENT.
3. RISER SPACE FOR SYSTEMS AND FEEDERS.

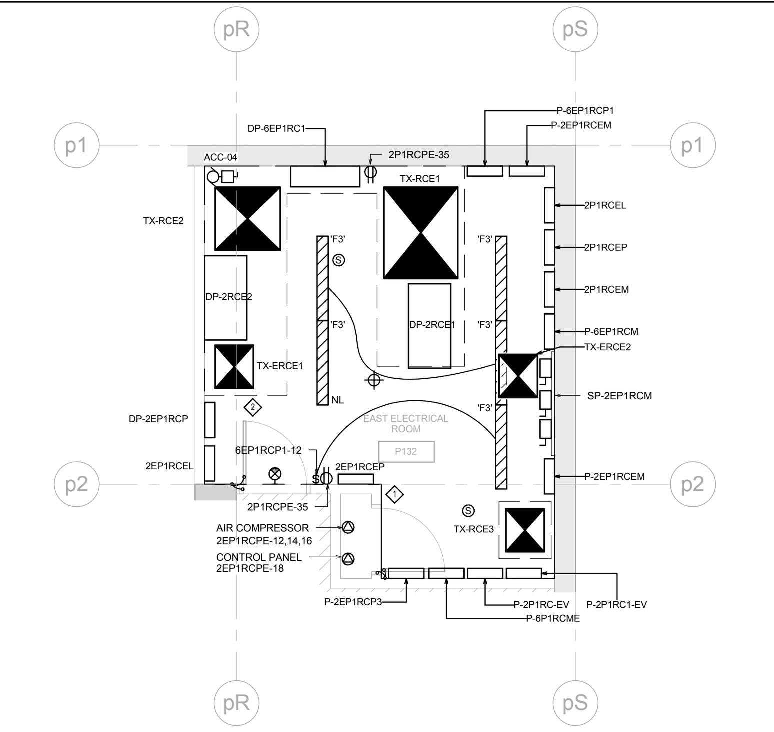
6 TYPICAL ELECTRICAL CLOSET - 4 - CONDO
1 : 25



NOTES:

1. LOCATION OF SUITE DISTRIBUTION PANEL AS SHOWN ON RISER DIAGRAM.
2. METERING EQUIPMENT.
3. RISER SPACE FOR SYSTEMS AND FEEDERS.
4. CONNECT TO CORRIDOR EMERGENCY LIGHTING CIRCUIT.

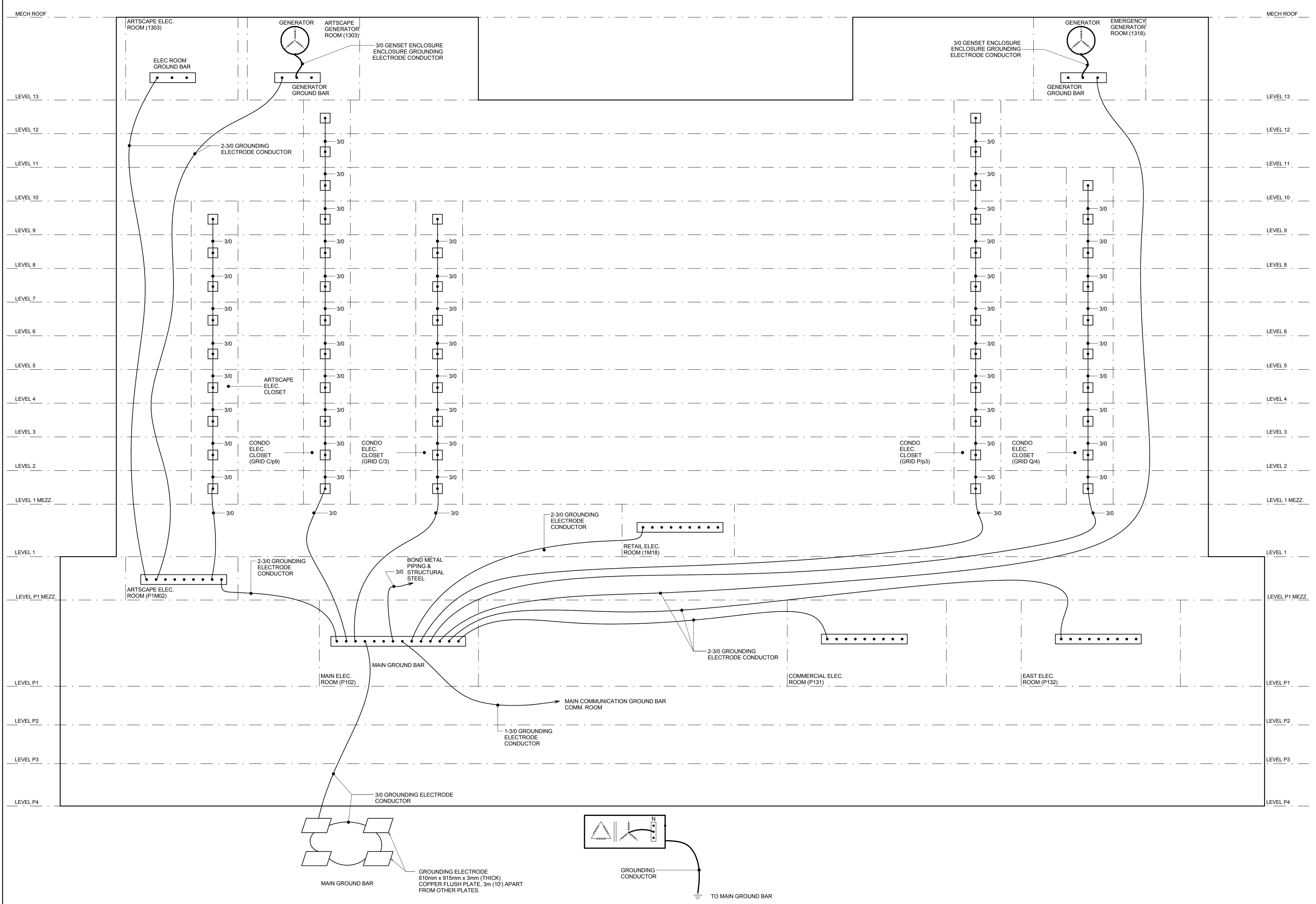
5 TYPICAL ELECTRICAL CLOSET - 3 - CONDO
1 : 25



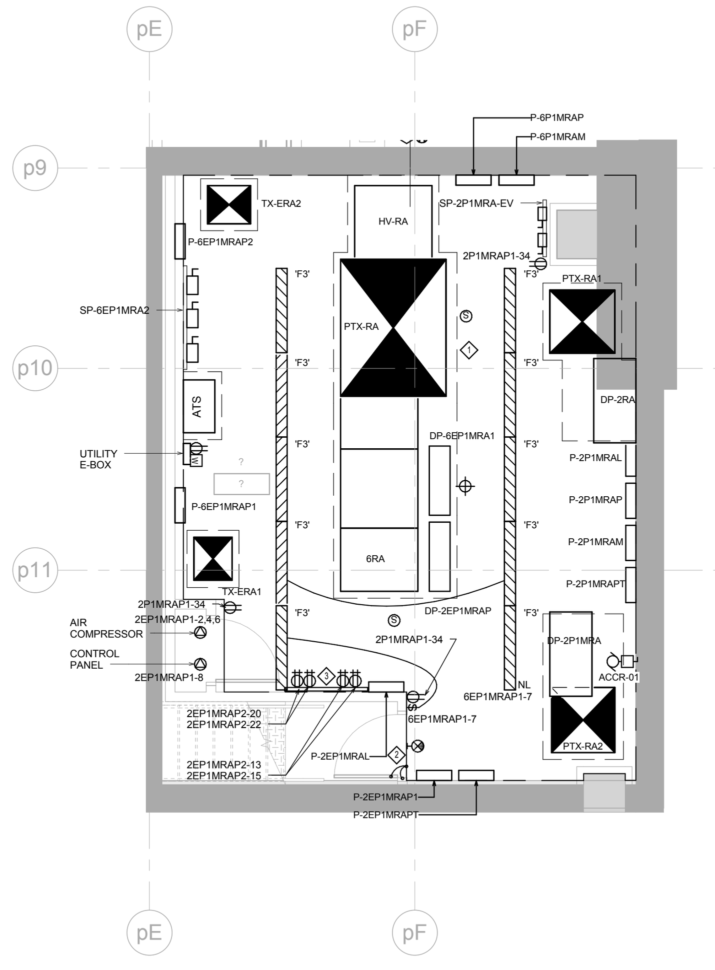
NOTES:

1. GROUND BUSS INTERCONNECTED WITH #3/0 AWG GROUND WIRE. MOUNT GROUND LOOP AT HIGH LEVEL. RUN A #3/0 AWG GROUND WIRE TO THE MAIN ELECTRICAL ROOM GROUNDING SYSTEM. GROUND ALL METAL WITHIN THE ROOM, INCLUDING DOOR FRAMES, DOORS, MECHANICAL EQUIPMENT, ETC.
2. PROVIDE 100mm HIGH CONCRETE PAD FOR ALL FLOOR STANDING EQUIPMENT.

2 EAST ELECTRICAL ROOM - LEVEL P1
1 : 50



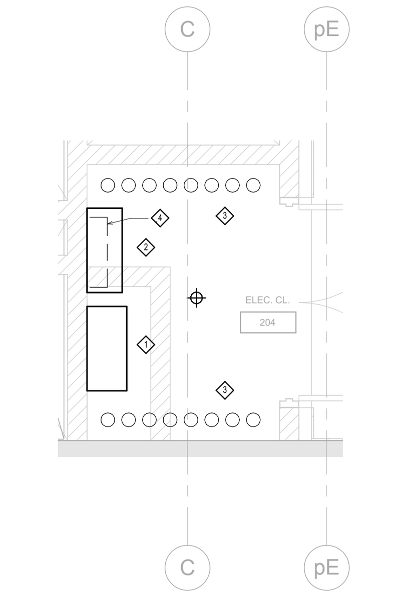
12 GROUNDING RISER DIAGRAM
N.T.S



NOTES:

1. GROUND BUSS INTERCONNECTED WITH #3/0 AWG GROUND WIRE. MOUNT GROUND LOOP AT HIGH LEVEL. RUN A #3/0 AWG GROUND WIRE TO THE MAIN ELECTRICAL ROOM GROUNDING SYSTEM. GROUND ALL METAL WITHIN THE ROOM, INCLUDING DOOR FRAMES, DOORS, MECHANICAL EQUIPMENT, ETC.
2. PROVIDE 100mm HIGH CONCRETE PAD FOR ALL FLOOR STANDING EQUIPMENT.
3. PROVIDE 1200mm(W) X 2440mm(H) X 19mm(D) PLYWOOD BACKBOARD. REFER TO COMMUNICATION RISER E4-05 FOR CONDUITS DETAIL.

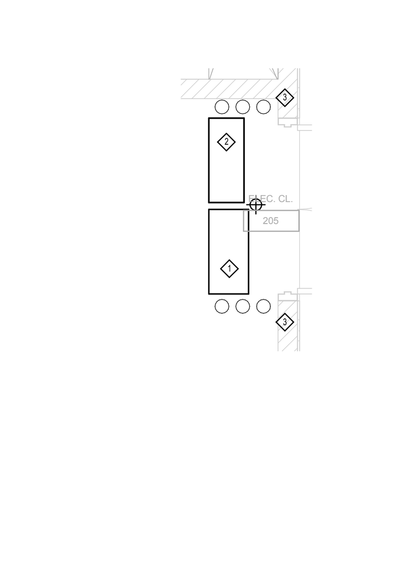
7 ARTSCAPE ELECTRICAL ROOM - LEVEL P1 MEZZANINE
1 : 50



NOTES:

1. LOCATION OF SUITE DISTRIBUTION PANEL AS SHOWN ON RISER DIAGRAM.
2. METERING EQUIPMENT.
3. RISER SPACE FOR SYSTEMS AND FEEDERS.
4. PANEL "P-2ZRCAP", LEVEL 2 ONLY.

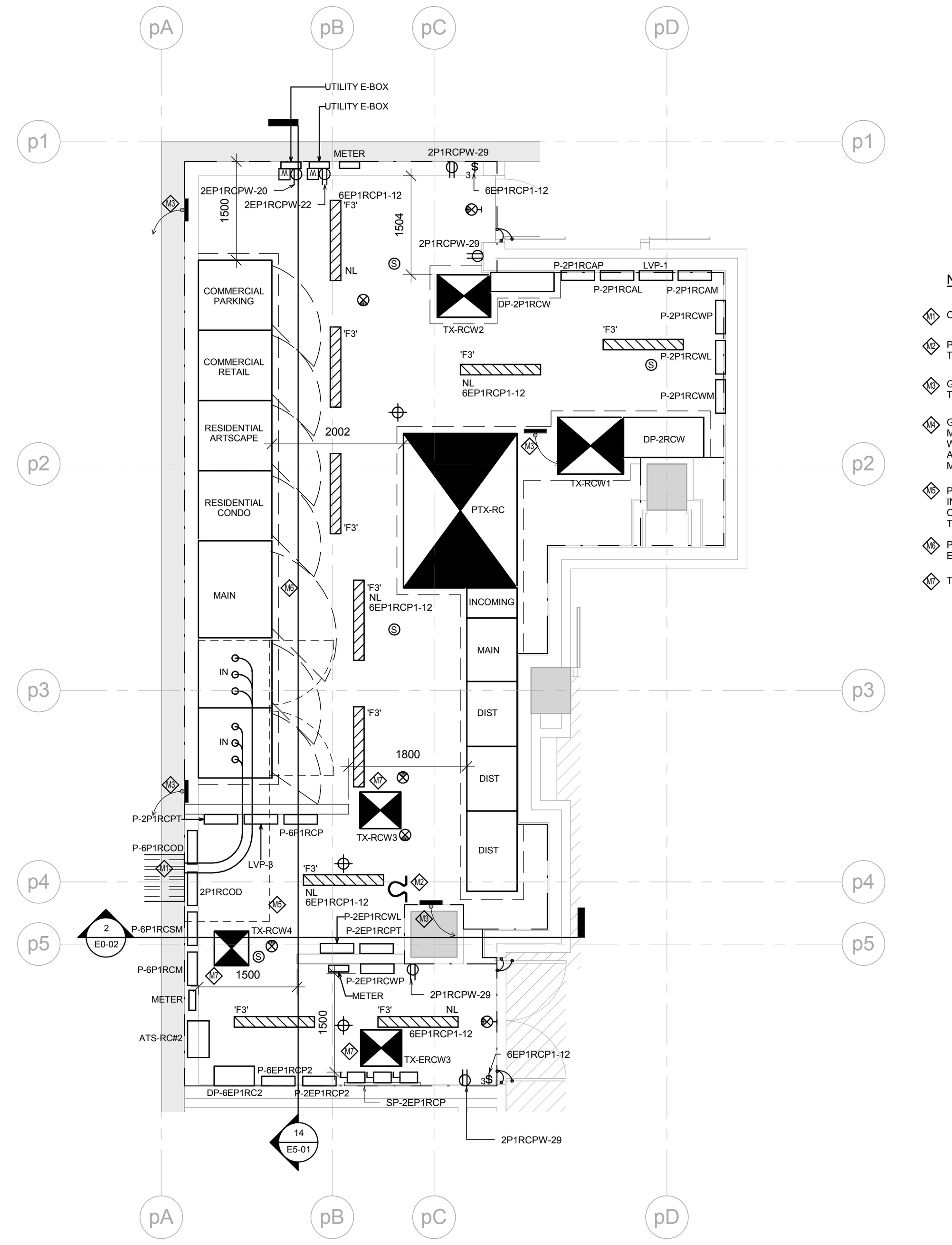
4 TYPICAL ELECTRICAL CLOSET - 2 - CONDO
1 : 25



NOTES:

1. LOCATION OF SUITE DISTRIBUTION PANEL AS SHOWN ON RISER DIAGRAM.
2. METERING EQUIPMENT.
3. RISER SPACE FOR SYSTEMS AND FEEDERS.

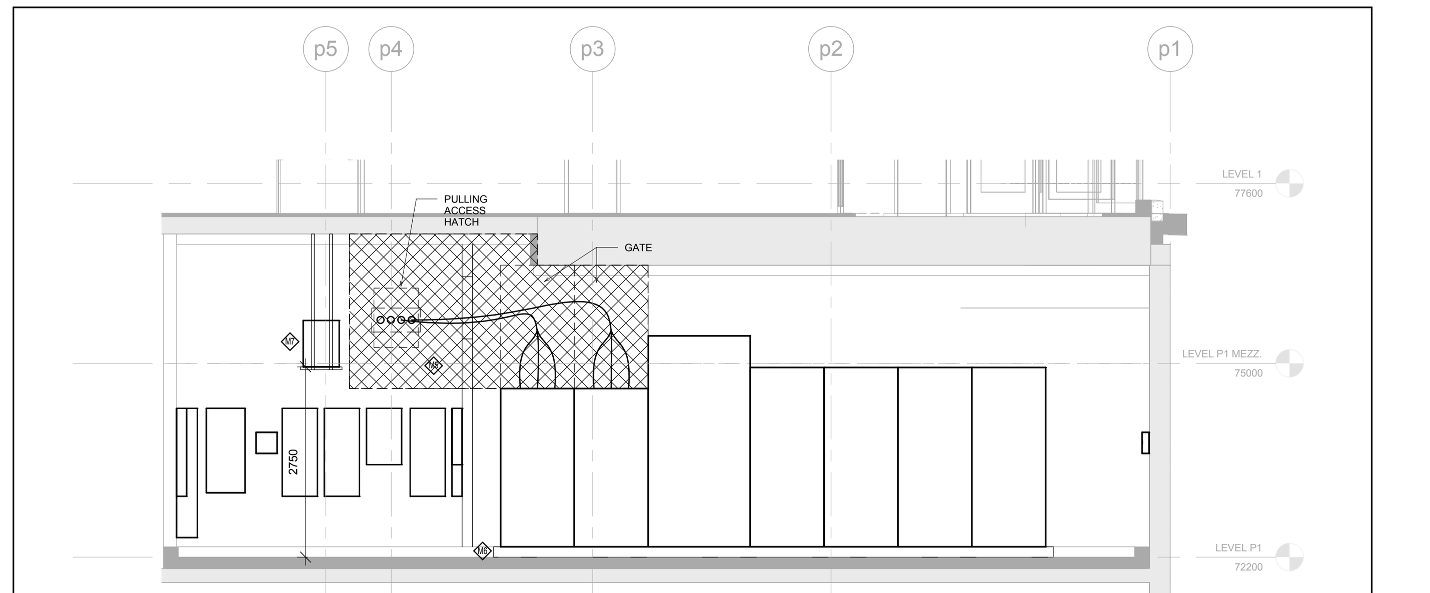
3 TYPICAL ELECTRICAL CLOSET - 1 - CONDO
1 : 25



NOTES:

- M1 CONCRETE ENCASED DUCTBANK, SLOPE AWAY FROM ROOM.
- M2 PULL EYE IN SLAB ABOVE. ALIGN WITH INCOMING DUCTBANK. TO BE CONSTRUCTED PER HYDRO STANDARDS.
- M3 GROUND WIRE FROM BELOW P5 LEVEL SLAB GROUND GRID. REFER TO DWG. E1-01 AND SPECIFICATIONS FOR FURTHER DETAILS.
- M4 GROUND BUSS INTERCONNECTED WITH #3/0 AWG GROUND WIRE. MOUNT GROUND LOOP AT HIGH LEVEL. RUN A #3/0 AWG GROUND WIRE TO THE STREET SIDE OF THE MAIN WATER SERVICE. GROUND ALL METAL WITHIN THE ROOM, INCLUDING DOOR FRAMES, DOORS, MECHANICAL EQUIPMENT, ETC.
- M5 PROVIDE GALVANIZED CHAIN LINK FENCE IN FRONT & SIDE OF INCOMING CELL TO PROTECT HYDRO WIRES. CAGE BOLTED TO CEILING C/W ACCESS GATE. GROUND FENCE AS REQUIRED AND TO TORONOT HYDRO STANDARD.
- M6 PROVIDE 100mm HIGH CONCRETE PAD FOR ALL FLOOR STANDING EQUIPMENT.
- M7 TRANSFORMER CEILING HUNG, 2750mm A.F.F.

1 MAIN ELECTRICAL ROOM - LEVEL P1
1 : 50



NOTES:

- M5 PROVIDE GALVANIZED CHAIN LINK FENCE IN FRONT & SIDE OF INCOMING CELL TO PROTECT HYDRO WIRES. CAGE BOLTED TO CEILING C/W ACCESS GATE. GROUND FENCE AS REQUIRED AND TO TORONOT HYDRO STANDARD.
- M6 PROVIDE 100mm HIGH CONCRETE PAD FOR ALL FLOOR STANDING EQUIPMENT.
- M7 TRANSFORMER CEILING HUNG, 2750mm A.F.F.

14 MAIN ELECTRICAL ROOM SECTION
1 : 50

No	Issued For	Date
6		
5		
4		
3	BUILDING PERMIT RESUBMISSION	2017-04-25
2	ISSUED FOR CONSTRUCTION	2016-04-21
1	ISSUED FOR TENDER	2015-10-30

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
ELECTRICAL ROOM DETAIL - ELECTRICAL

Project
Hines TRIDEL®
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON

Scale: As indicated
Drawn by: Author
Checked by: Checker
Project No.: 8489D
Date: 08/06/15
Drawing No.: E5-01

ENTRANCE AND UNIT HEATER SCHEDULE - COMMERCIAL

REFERENCE	DESCRIPTION	LOCATION	OWNERSHIP	HEATING CAPACITY OUTPUT (KW)	WATER FLOW (L/S)	WATER TEMP. (C)	AIR FLOW (L/S)	AIR ENT. TEMP (C)	MANUFACTURER	MODEL	TYPE	PRE. RATING (KPA)	MOTOR AMPS	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY: DIV. 15	STARTER SUPPLIED BY: DIV. 16	STARTER INSTALLED BY: DIV. 15	STARTER INSTALLED BY: DIV.16	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	CONTROLS INTERLOCK BY: DIV. 15	CONTROLS INTERLOCK BY: DIV.16	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT.	REMARKS:
EHCM-01	FORCE-FLO CABINET HEATER	P123 ELEV. LOBBY	COMMERCIAL	4	0.07	82.2	90	18.3	TRANE	FFEB0201J	CEILING HUNG	-	3	115	1	2P1CPM	-	YES	YES	-	YES	-	-	-	YES	YES	-	-	-	-	C/W INTEGRAL T-STAT AND DISCONNECT SWITCH
EHCM-02	FORCE-FLO CABINET HEATER	P124 VESTIBULE	COMMERCIAL	4	0.07	82.2	90	18.3	TRANE	FFEB0201J	CEILING HUNG	-	3	115	1	2P1CPM	-	YES	YES	-	YES	-	-	-	YES	YES	-	-	-	-	C/W INTEGRAL T-STAT AND DISCONNECT SWITCH
EHCM-03	FORCE-FLO CABINET HEATER	147 ELEV. LOBBY	COMMERCIAL	6	0.11	82.2	110	18.3	TRANE	FFEB0301J	CEILING HUNG	-	3	115	1	2P1CPM	-	YES	YES	-	YES	-	-	-	YES	YES	-	-	-	-	C/W INTEGRAL T-STAT AND DISCONNECT SWITCH

NOTES:

1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
4. ENT WATER TEMPERATURE 82.2°C WATER TEMPERATURE DROP 11°C. ENTERING AIR TEMPERATURE 18.3°C.
5. ALL UNITS C/W INTEGRAL DISCONNECT SWITCH, THERMOSTAT AND 1" THROWAWAY FILTER.
6. WIRING OF THERMOSTATS BY DIVISION 15. REFER TO SECTION 15700 FOR FUTUR DETAILS.

UNITARY DX UNIT SCHEDULE - COMMERCIAL

REFERENCE	DESCRIPTION	LOCATION	OWNERSHIP	SUPPLY AIR (L/S)	COOLING CAP. (KW) TOTAL	COOLING CAP. (KW) SENS.	EVAP. ENT. COND. (°C) DB	EVAP. ENT. COND. (°C) WB	HEATING CAP. (KW)	MANUFACTURER	MODEL	FLA AMPS	MAX FUSE SIZE	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY: DIV. 15	STARTER SUPPLIED BY: DIV. 16	STARTER INSTALLED BY: DIV. 15	STARTER INSTALLED BY: DIV.16	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	CONTROLS INTERLOCK BY: DIV. 15	CONTROLS INTERLOCK BY: DIV.16	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT.	REMARKS:
ACCM-01	DX FAN COIL UNIT	P131 ELEC. RM	COMMERCIAL	890	14.2	-	26.6	19.4	-	IEC INTERNATIONAL	HBD20	3.6	15	208	3	2P1CPM	-	YES	YES	-	YES	-	PKG.	-	YES	YES	-	-	DIV 15	-	
ACCM-02	DX FAN COIL UNIT	P209 ELEV M/RM	COMMERCIAL	372	7.0	-	26.6	19.4	-	DAIKIN	FHQ24MVJU	1.4	15	208	1	2P1CPM	-	YES	YES	-	YES	-	PKG.	-	YES	YES	-	-	DIV 15	-	
ACCM-03	DX FAN COIL UNIT	P136 ELEC. RM	COMMERCIAL	945	16.7	-	26.7	19.4	-	CARRIER	FV4CNB006	8.5	15	208	1	2P1CPM 3	-	YES	YES	-	YES	-	PKG.	-	YES	YES	-	-	DIV 15	-	

NOTES:
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS
2. REFER TO 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.

AIR COOLED CONDENSER SCHEDULE - COMMERCIAL

REFERENCE	DESCRIPTION	LOCATION	OWNERSHIP	COOLING CAPACITY (KW)	REFRIGERANT	AMBIENT TEMP. (°C)	MANUFACTURER	MODEL	MIN. CIRC. AMPS	MAX FUSE SIZE	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY: DIV. 15	STARTER SUPPLIED BY: DIV. 16	STARTER INSTALLED BY: DIV. 15	STARTER INSTALLED BY: DIV.16	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	CONTROLS INTERLOCK BY: DIV. 15	CONTROLS INTERLOCK BY: DIV.16	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT.	REMARKS:
ACUCM-01	ACCM-01 SPLIT AIR-COOLED CONDENSER	PARKING P1	COMMERCIAL	14.2	R-410A	35	REFPLUS	OCZ-040-IH1-5	25	40	208	3	2P1CPM	-	YES	YES	-	YES	-	PKG.	-	YES	YES	-	-	DIV 15	-	AIR-COOLED CONDENSER CONNECTED TO ACCM-01
ACUCM-02	ACCM-02 SPLIT AIR-COOLED CONDENSER	PARKING P1	COMMERCIAL	7.0	R-410A	35	DAIKIN	RZR24PVJU	16.5	20	208	1	2P1CPM	-	YES	YES	-	YES	-	PKG.	-	YES	YES	-	-	DIV 15	-	AIR-COOLED CONDENSER CONNECTED TO ACCM-01
ACUCM-03	ACCM-03 SPLIT AIR-COOLED CONDENSER	PARKING P1	COMMERCIAL	16.7	PURON	35	CARRIER	24AHA460A005	22	35	208	3	2P1CPM 3	-	YES	YES	-	YES	-	PKG.	-	YES	YES	-	-	DIV 15	-	AIR-COOLED CONDENSER CONNECTED TO ACC-06

NOTES:
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS
2. REFER TO SECTION 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION
4. DIV 16 TO RUN 20MM C BETWEEN ACC AND RELATED AC UNIT FOR CONTROL WIRING.

FAN SCHEDULE - COMMERCIAL

REFERENCE	DESCRIPTION	LOCATION	SERVING	OWNERSHIP	EXHAUST AIR (L/S)	E.S.P. (KPA)	FAN (RPM)	WEIGHT (KG.)	P.W.L. db RE 10^12 WATTS OCTAVE BAND 1	2	3	4	5	6	7	8	MANUFACTURER	MODEL	ENERGY REQUIRED (HP)	MOTOR SIZE (KW)	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY:	STARTER INSTALLED BY:	TYPE	CONTROLS MANUAL	CONTROLS AUTO.	CONTROLS INTERLOCK BY: DIV. 15	CONTROLS INTERLOCK BY: DIV. 16	OTHER REQUIREMENTS: DISC. AT MOTOR	OTHER REQUIREMENTS: W.P. DISC. AT MOTOR	OTHER REQUIREMENTS: F.A. SHUT	OTHERS	REMARKS:
SFCM-01	STAIR PRESSURIZATION	STAIR 'D'	STAIR 'D' PRESSURIZATION	COMMERCIAL	1415	0.15	1077	-	-	-	-	-	-	-	-	-	GREENHECK	BDF-100-15	-	1.1	575	3	6EP1CPP1	YES	-	DIV 15	DIV 15	-	-	YES	YES		YES	-	-	-	
SFCM-02	LOBBY PRESSURIZATION	LOBBY	LOBBY PRESSURIZATION	COMMERCIAL	165	0.07	1300	-	-	-	-	-	-	-	-	-	GREENHECK	SQ-85-D	-	0.1	120	1	-	YES	-	DIV 15	DIV 15	-	-	YES	YES		YES	-	-	-	

NOTES:
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTIONS 15700 FOR FURTHER DETAIL.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
4. REFER TO DIV. 17 FOR CONTROL.
5. ALL ROOF MOUNTED FANS C/W EXTEND ROOF CURB OF SUITABLE SIZE, MOTORIZED DAMPER AND BIRD SCREEN.
6. ALL INLINE CEILING FANS C/W INTAKE GRILLE UNLESS OTHERWISE SPECIFIED. DAMPER & UNIT MOUNTED SPEED CONTROLLER.

PUMP SCHEDULE - COMMERCIAL

REFERENCE	DESCRIPTION	LOCATION	OWNERSHIP	WATER FLOW (L/S)	HEAD (KPA)	RPM	MANUFACTURER	TYPE / SIZE	ENERGY REQUIRED (HP)	MOTOR SIZE (KW)	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY: DIV. 15	STARTER SUPPLIED BY: DIV. 16	STARTER INSTALLED BY: DIV. 15	STARTER INSTALLED BY: DIV.16	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	CONTROLS INTERLOCK BY: DIV. 15	CONTROLS INTERLOCK BY: DIV.16	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT.	REMARKS:
PCM-01	ELEVATOR 7&8 SUMP PUMP	FD LEVEL	COMMERCIAL	6.3	240	1800	BARNES	4SE-7554L	-	5.6	575	3	6EP1CPP2	YES	-	YES	-	YES	-	PKG.	-	YES	YES	-	-	DIV. 15	-	C/W SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, C/W HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.
PCM-02	ELEVATOR 7&8 SUMP PUMP	FD LEVEL	COMMERCIAL	6.3	240	1800	BARNES	4SE-7554L	-	5.6	575	3																

NOTES:
1. REFER TO SECTION 15050 FOR WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15400 AND 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
4. ALL PUMPS WITH 100% STANDBY UNIT TO BE WITH AUTOMATIC SWITCH OVER ON PUMP FAILURE.
5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WRIRING INSTALLED.
6. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.

Contractor Must Check And Verify All Dimensions On The Job.
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Date: 10/30/15

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No.	Issued For	Date
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2	ISSUED FOR CONSTRUCTION	2016-07-07
1	ISSUED FOR CONSTRUCTION	2016-04-21

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
RETAIL - EQUIPMENT SCHEDULES #3

Project
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON

Scale: 1 : 1
Drawn by: Author
Checked by: Checker
Project No.: 8489D
Date: 10/30/15
Drawing No.: ME-33