

PANEL SCHEDULE

120/208 VOLTS

3 PHASE 4 WIRE

400 AMP MAINS

MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

400					AMP MAINS		2P1RC-EV			JOB NAME: Aquavista					
					MAIN BREAKER		LOAD PER PHASE								
DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	a	b	c	CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION	
RESENDITAL UNIT P3 LEVEL				40	1a	3600			2a	40				RESENDITAL UNIT P3 LEVEL	
						3600			4b						
						3b		3600							
RESENDITAL UNIT P3 LEVEL				40				3600	6c	40				RESENDITAL UNIT P3 LEVEL	
					5c			3600							
						7a	3600			8a					
RESENDITAL UNIT P2 LEVEL				40			3600		10b	40				RESENDITAL UNIT P2 LEVEL	
					9b		3600		12c						
						11c			3600						
RESENDITAL UNIT P2 LEVEL				40	13a				14a	15				METERING	
						3600			16b						
						15b		3600			18c				
					17c										
					19a				20a						
					21b				22b						
									24c						
					23c										
						18000	18000	10800	PANEL TYPE: TYPE1-SPRINKLER PROOF						
						TOTAL WATT			LOCATION: LEVEL P1 EAST ELEC RM						
						TOTAL AMP									
						46800									
						130									

TOTAL WATT
TOTAL AMP



GENERAL POWER	
	SINGLE RECEPTACLE
	15A, 1-GROUND DUPLEX RECEPTACLE
	(5/20R) 15/20-AMP DUPLEX RECEPTACLE
	15A, 1-GROUND SINGLE OR DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER
	15A, 1-GROUND SINGLE INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
	15A, 1-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
	120/200V/1-20 AMP CIRCUIT BREAKER OUTLET
	120/200V/1-40 AMP RANGE OUTLET
	SINGLE SPECIAL RECEPTACLE - APPLIANCE AS INDICATED, TYPE "W" AS SPECIFIED
	15A, 1-GROUND SPLIT WIRE DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
	15A, 1-GROUND HALF SWITCHED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER (CONTROLLED BY SWITCH)
	15A, 1-GROUND DUPLEX RECEPTACLE CW GROUND FAULT CIRCUIT INTERRUPTER - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
	(5/20R) 15/20-AMP DUPLEX RECEPTACLE CW GROUND FAULT CIRCUIT INTERRUPTER
	15A, 1-GROUND SINGLE RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
	15A, 1-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
	(5/20R) 15/20-AMP DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
	15A, 1-GROUND SINGLE OR DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
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LIGHTING		
	LINEAR FLUORESCENT LUMINAIRE, TYPE 'A' AS SPECIFIED. HATHINGS DETECTED, CONNECTED TO INTERRUPTOR/NOUGHT LIGHTING CIRCUIT	
	CEILING MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED	
	WALL MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED	
	POLE MOUNTED LUMINAIRE, TYPE 'H' AS SPECIFIED	
	DOUBLE SURFACE MOUNTED EMERGENCY LIGHTING REMOTE HEADS, TYPE 'B' INDICATES BATTERIES BANKED OVER	
	EMERGENCY LIGHTING REMOTE HEAD, TYPE 'A' AS SPECIFIED	
	EMERGENCY LIGHTING BATTERY UNIT, CUL DOWK RECEPTACLE AND DOUBLE REMOTE HEADS, TYPE 'B' AS SPECIFIED	
	WALL MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED, SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN	
	CEILING MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED, SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN	
	CEILING MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED, SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN	
	CEILING MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED, SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN	
	CEILING MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED, SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN, TWO EXIT SIGNS TO BE PROVIDED WHERE B-DIRECTION, B5 SHOWN ON THE LAYOUT	
OCCUPANCY SENSOR SCHEDULE		
SYMBOL	MANUFACTURER MODEL NO.	DESCRIPTION
	WATT STOPPER DSW-100	WALL SWITCH OCCUPANCY SENSOR WITH MANUAL ON/OFF AND DAYLIGHT SENSOR ON/OFF
	WATT STOPPER PWS-100	WALL SWITCH OCCUPANCY SENSOR WITH MANUAL ON/OFF OVER RIDE
	WATT STOPPER PWS-103	WALL SWITCH OCCUPANCY SENSOR WITH MANUAL ON/OFF OVER RIDE, 3WAY
	WATT STOPPER W030H	UL TYPE 8000 CEILING SENSOR WITH 80' LINEAR COVERAGE
	WATT STOPPER SMC-100	DIGITAL, DUAL TECHNOLOGY CEILING SENSOR WITH 100' SQ. FT. COVERAGE
	WATT STOPPER IIT-355-2	DIGITAL, DUAL TECHNOLOGY ULTRASONIC SENSOR WITH 100' SQ. FT. COVERAGE
	WATT STOPPER DT-355	CEILING MOUNTED DUAL TECHNOLOGY SENSOR WITH 100' SQ. FT. COVERAGE
	WATT STOPPER CSW-101-1	PIR OCCUPANCY SENSOR FOR COLD TEMPERATURE WITH 80' DIRECTIONAL LINEAR COVERAGE PROVIDE POWER PACEBACK AS REQUIRED.
	WATT STOPPER CSW-100	CONCEAL MOUNTED PASSIVE INFRARED SENSOR LOW POWER/SPACE
	LEVITON D0005-MDW	CEILING MOUNTED INTEGRATED OCCUPANCY SENSOR, POWER BACK, AND PROTOCOL IN SELF CONTAINED UNIT
	WATT STOPPER DT-355	DIGITAL, TWO-SWITCH WITH PRE-SET ON/OFF OPERATOR
	WATT STOPPER HOL-55S	LOW VOLTAGE MASTER SWITCH TO CONTROL CORRIDORS, OFFICES AND OPEN OFFICE AREAS
LIGHTING CONTROL		
	ONE, TWO, THREE AND FOUR GANG SINGLE POLE TOGGLE SWITCHES	
	3-WAY SWITCH	
	4-WAY SWITCH	
	KEY OPERATED LIGHT SWITCH	
	TOGGLE SWITCH ON RED PILOT LIGHT	
	DOOR LIGHT SWITCH	
	SWITCH MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED	
	FAN CONTROL SWITCH	
	VARIABLE SPEED FAN CONTROL SWITCH	
	MANUAL TIMER SWITCH	
	MASTER SWITCH	
	DIMMER SWITCH, TYPE 'A' AS SPECIFIED	
	PROGRAMMABLE TIME CLOCK, TYPE 'A' AS SPECIFIED	
	CEILING MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED	
	PHOTO ELECTRIC CONTROL	
	LOW VOLTAGE RELAY	
	LOW VOLTAGE RELAY PANEL, TYPE 'A' AS SPECIFIED	
	LOW VOLTAGE CONTROL STATION, TYPE LV01 AS SPECIFIED	
	LOW VOLTAGE CONTROL SYSTEM MASTER STATION	

EQUIPMENT CONNECTIONS AND CONTROLS	
	DIRECT CONNECTION - 120 OR 208V AS SPECIFIED
	DIRECT CONNECTION - 247 OR 600V AS SPECIFIED
	DIRECT CONNECTION - 120 OR 208V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
	DIRECT CONNECTION - 247 OR 600V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
	DIRECT CONNECTION - 120 OR 208V C/W FUSED DISCONNECT SWITCH AS SPECIFIED
	DIRECT CONNECTION - 247 OR 600V C/W FUSED DISCONNECT SWITCH AS SPECIFIED
	MODULAR/FURNITURE WHIP CONNECTION "C" DENOTES CEILING "F" DENOTES FLOOR "W" DENOTES WALL
	MOTOR CONNECTION AS SPECIFIED
	MOTOR CONNECTION C/W UNFUSED DISCONNECT SWITCH
	MOTOR CONNECTION C/W FUSED DISCONNECT SWITCH
	MOTOR CONNECTION C/W LOOSE STARTER
	MOTOR STARTER AS SPECIFIED
	UNFUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	HAIR DRYER
	HAND DRYER
	CONTACTOR - SIZE AND NUMBER OF POLES AS SPECIFIED
	RELAY
	THERMOSTAT PROVIDED AND WIRED BY ELECTRICAL
	THERMOSTAT PROVIDED BY MECHANICAL AND WIRED BY ELECTRICAL
	CARBON MONOXIDE DETECTOR SUPPLIED AND INSTALLED BY MECHANICAL, ROUTING BY ELECTRICAL
	MASTER CLOCK CONTROL PANEL
	CLOCK HANGER OUTLET C/W CLOCK
	CLOCK HANGER OUTLET ONLY
	POWER ACTIVATED DOOR EXIT BUTTON SUPPLIED BY DOOR HARDWARE SUPPLIER, WIRED BY ELECTRICAL
	RECESSED MOUNTED - CARBON MONOXIDE CONTROL PANEL
	SURFACE MOUNTED - CARBON MONOXIDE CONTROL PANEL
	RECESSED MOUNTED ELECTRICAL PANEL - "SP" DENOTES SLETTE PANEL
	SURFACE MOUNTED ELECTRICAL PANEL - "SP" DENOTES SLETTE PANEL
CARBON MONOXIDE DETECTOR TO BE SUPPLIED, INSTALLED AND WIRED BY DOOR. IS THIS CONTRACTOR SHALL RUN A 20W/2MFC FROM DETECTOR TO COORDINATING CARBON MONOXIDE DETECTOR CONTROL PANEL. VERIFY DETECTOR IS 10' FROM DETECTOR. MOUNT DEVICES AT APPROXIMATELY 5'700MM A.F.F ON WALL OR COLUMN.	
POWER DISTRIBUTION	
	POWER TRANSFORMER
	POWER TRANSFORMER C/W ELECTROSTATIC SHIELD
	CURRENT CONTROL TRANSFORMER
	INCOMING POWER INTERRUPTER SWITCH
	DISCONNECT SWITCH
	MOLDED CASE CIRCUIT BREAKER
	DRAW OUT AIR CIRCUIT BREAKER
	FIXED AIR CIRCUIT BREAKER
	FUSE
	INCOMING POWER INTERRUPTER SWITCH
	KWHR METER
	DIGITAL METERING SYSTEM
	BUS DUCT
	AUTOMATIC TRANSFER SWITCH - "BP" DENOTES ISOLATION BYPASS SWITCH
	EMERGENCY GENERATOR
	EMERGENCY LIGHTING INVERTER
	UNINTERRUPTIBLE POWER SUPPLY

	FIRE ALARM SYSTEM
	PULL STATION
	FUSH MOUNTED BELL
	FLUSH MOUNTED HORN - 1/2" DEVOTES HORN STROBE COMBINATION
	DOUBLE HORN - CEILING OR WALL MOUNTED
	SUITE ISOLATOR MODULE
	STROBE - WALL OR CEILING MOUNTED
	FLUSH MOUNTED SPEAKER - WALL OR CEILING MOUNTED
	SURFACE MOUNTED SPEAKER - WALL OR CEILING MOUNTED
	FLUSH MOUNTED SPEAKER WITH STROBE - WALL OR CEILING MOUNTED
	SURFACE MOUNTED SPEAKER WITH STROBE - WALL OR CEILING MOUNTED
	FIREMAN HANDSET
	FIRE ALARM SYSTEM SPEAKER SILENCE SWITCH
	AUTOMATIC COMBINATION FIXED TEMPERATURE RATE OF RISE HEAT DETECTOR - WALL OR CEILING MOUNTED
	AUTOMATIC FIXED TEMPERATURE HEAT DETECTOR - WALL OR CEILING MOUNTED
	SMOKE DETECTOR - WALL OR CEILING MOUNTED
	SMOKE DETECTOR WITH REMOTE ANNUNCIATION
	SINGLE STATION TYPE SMOKE ALARM CW RED INDICATION LIGHT - WALL OR CEILING MOUNTED
	SINGLE STATION TYPE SMOKE ALARM & STROBE CW RED INDICATION LIGHT - WALL OR CEILING MOUNTED
	SINGLE STATION TYPE CARBON MONOXIDE DETECTOR CW RED INDICATION LIGHT - WALL OR CEILING MOUNTED
	CARBON MONOXIDE DETECTOR - WALL OR CEILING MOUNTED
	SPRINKLER SYSTEM FLOW OR PRESSURE SWITCH BY MECHANICAL AND WIRED BY ELECTRICAL, COORDINATE TO CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
	SPRINKLER SYSTEM OR STANDPIPE SUPERVISED VALVE BY MECHANICAL AND WIRED BY ELECTRICAL, COORDINATE TO CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
	SOLENOID VALVE BY MECHANICAL AND WIRED BY ELECTRICAL, COORDINATE TO CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
	DOOR HOLDER
	MOTORIZED DAMPER BY MECHANICAL AND WIRED BY ELECTRICAL, COORDINATE TO CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
	RECESSED MOUNTED - FIRE ALARM CONTROL PANEL
	SURFACE MOUNTED - FIRE ALARM CONTROL PANEL
	RECESSED MOUNTED - FIRE ALARM ANNUNCIATOR PANEL
	SURFACE MOUNTED - FIRE ALARM ANNUNCIATOR PANEL
	RECESSED MOUNTED - CENTRAL MONITORING AND EVACUATION FACILITIES
	SURFACE MOUNTED - CENTRAL MONITORING AND EVACUATION FACILITIES
	END OF LINE RESISTOR
	REMOTE TROUBLE SIGNAL
	ADDRESSABLE MODULE
	SUPERVISOR CONTACT
ELECTRICAL CAR CHARGING STATION	
	PROVIDE SINGLE GANG BOX, 30mmx30 CONDUIT AND 20A, 125V (10-200) RECONFIGURABLE FOR TYPE 1 ELECTRICAL CAR CHARGE STATION. LOCATED AS SHOWN ON FLOOR PLANS.
	PROVIDE DOUBLE GANG BOX, 30mmx60 CONDUIT AND 20A, 125V (10-200) RECONFIGURABLE FOR TYPE 2 ELECTRICAL CAR CHARGE STATION. LOCATED AS SHOWN ON FLOOR PLANS.
	PROVIDE SINGLE GANG BOX, 30mmx30 CONDUIT AND 20A, 125V (10-200) RECONFIGURABLE FOR TYPE 1 ELECTRICAL CAR CHARGE STATION. LOCATED AS SHOWN ON FLOOR PLANS.
	PROVIDE DOUBLE GANG BOX, 30mmx60 CONDUIT AND 20A, 125V (10-200) RECONFIGURABLE FOR TYPE 2 ELECTRICAL CAR CHARGE STATION. LOCATED AS SHOWN ON FLOOR PLANS.

SECURITY AND ACCESS SYSTEMS	
	SECURITY SYSTEM CONTROL PANEL
	KEY PAD
	CARD READER
	INFRARED READER
	REQUEST TO EXIT BUTTON
	EGRESS MOTION DETECTOR
	DOOR CONTACT
	PATIO DOOR CONTACT
	WINDOW CONTACT
	OVERHEAD DOOR CONTACT
	POWER LOCK
	EGRESS STRIKE C/W DOOR CONTACT, AUDIBLE ALARM AND EGRESS MOTION DETECTOR
	AUDIBLE ALARM
	MOTION DETECTOR
	GLASS BREAK DETECTOR
	AUTOMATIC DOOR OPENER
	CLOSED CIRCUIT CAMERA
	W- DENOTES BOX ENCLOSURE
	S- DENOTES ELEVATOR CORNER MOUNT
	P- DENOTES PEDESTAL MOUNT
	WZ- DENOTES WALL TILT ZOOM
	W- WEDGE ENCLOSURE
	SECURITY SYSTEM MONITOR
	MAGLOCK DEVICE
	MAGLOCK RESET SWITCH
	KEY SWITCH
	CODE BLUE SPEAKER PHONE
	CODE BLUE INTEGRATED UNIT C/W ACCESSORIES, POLE OR PEDESTAL MOUNTED
	ALARM SOUNDER
	PANIC ALARM
	SECURITY ALARM CONTACT FOR MECHANICAL EQUIPMENT
	SECURITY DOOR RELEASE
	SURFACE CONTROL PANEL - XP DENOTES SECURITY PANEL
	ENTRY PHONE SYSTEM
ELECTRIC HEATING	
	ELECTRIC BASEBOARD HEATER, TYPE TBHT AS SPECIFIED
	ARCHITECTURAL DRAFT BARRIER HEATER, TYPE DBHT AS SPECIFIED
	ELECTRIC KIOSK/SPACE HEATER, TYPE KSH1 AS SPECIFIED
	ELECTRIC DROP-IN HEATER, TYPE DHI1 AS SPECIFIED
	CABINET UNIT HEATER, TYPE CUH1 AS SPECIFIED
	RECESSED MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE FFH1 AS SPECIFIED
	SURFACE MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE FFH1 AS SPECIFIED
	ELECTRIC UNIT HEATER, TYPE UH1 AS SPECIFIED
	AREA OF SNOW MELTING CABLE - TYPE 1W1 AS SPECIFIED
	HEAT TRACING CABLE AROUND HORIZONTAL PIPE - TYPE 102 AS SPECIFIED
	HEAT TRACING CABLE AROUND VERTICAL PIPE - TYPE 101 AS SPECIFIED
MISCELLANEOUS	
	INDICATES EXISTING DEVICE TO REMAIN
	INDICATES EXISTING DEVICE TO BE MOVED
	INDICATES EXISTING DEVICE IN RELOCATED POSITION
	INDICATES EXISTING DEVICE TO BE DEMOLISHED
	INDICATES CONDUIT
	ELECTRICAL DRAWING NOTES

COMMUNICATIONS	
	WALL MOUNTED COMMUNICATION MULTI-FUNCTION COMMUNICATION OUTLET
	MOUNTED ABOVE COUNTER COMMUNICATION MULTI-FUNCTION COMMUNICATION OUTLET - MOUNTED ABOVE COUNTER
	TELEVISION OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
	TELEVISION OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
	TELEPHONE OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
	TELEPHONE OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
	PAY TELEPHONE OUTLET
	TELEPHONE OUTLET - FLUSH FLOOR MOUNTED
	TERMINAL POINT OF TELEPHONE ZONE CIRCUIT ON CEILING SLAB W/ 50% CONDUIT BACK TO TELEPHONE RACKBOARD
	COMMUNICATION LINE TERMINAL BOX
	DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
	DATA OUTLET - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
	DATA OUTLET - FLUSH FLOOR MOUNTED
	COMBINATION VOICE/DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
	COMBINATION VOICE/DATA OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
	COMBINATION VOICE/DATA OUTLET - FLUSH FLOOR MOUNTED
	COMMUNICATIONS CABINET - TYPE 'A' AS SPECIFIED
	COMMUNICATIONS DROP IDENTIFICATION NUMBER - A01 INDICATES DROP IDENTIFICATION
	SIGNAL PUSHBUTTON
	SIGNAL BELL W/ TRANSFORMER
	INTERCOM MASTER STATION
	INTERCOM STATION
	FLUSH MOUNTED AUXILIARY SOUND SYSTEM SPEAKER - WALL MOUNTED OR CEILING MOUNTED
	SURFACE MOUNTED AUXILIARY SOUND SYSTEM SPEAKER - WALL MOUNTED OR CEILING MOUNTED
	MICROPHONE JACK
	PUBLIC ADDRESS SPEAKER - TYPE 'A' AS SPECIFIED
	VOLUME CONTROL SWITCH
	PROJECTION SOUND JACK
	SOUND BREATHING JACK
	AMPLIFIER
	CONSOLE OR RACK W/ TERMINAL BOX
	SURFACE CONTROL PANEL - TYPE 'C' DENOTES COMMUNICATION PANEL
	WIRELESS ACCESS POINT CEILING MOUNTED UNLESS OTHERWISE SPECIFIED (2' CORD) AND WITH ONE OR TWO ETHERNET AND A SINGLE GAND FOR COMMUNICATION ACCESS)
GENERAL NOTES:	
1. MINIMUM CONDUIT SIZE SHALL BE 2"min UNLESS NOTED OTHERWISE.	
2. MOUNTING HEIGHT OF ALL EQUIPMENT/DEVICES SHOWN IN SYMBOLS, (EXCEPT ABOVE) SHALL BE MEASURED WITH RESPECT TO THE CENTER OF THE RELATED EQUIPMENT/DEVICE.	
3. IF THE MOUNTING HEIGHT OF THE EQUIPMENT/DEVICES IS NOT INDICATED AND A WALL MOUNTED SHALL BE SUPERSEDED ON CONDUIT WITH SHALL ALUMINUM STUDS THAT EXITS ARE STUBS TO BE LOW VOLTAGE ELECTRICAL MECHANICAL PIPING OR COORDINATE EXIST' LOCATION ON SITE PRIOR TO INSTALLATION.	
4. FLUORESCENT FLOORS OR HANGING LUMENS SHALL BE CHAIN SUSPENDED TO CLEAN ALL OTHER EQUIPMENT AND STRUCTURES. COORDINATE EXIST' LOCATION PRIOR TO INSTALLATION.	
5. PROVIDE LOCAL LIGHTS ENCLOSED WITH COMMUNITY ON ALL STARTERS AND TERMINALS. PROVIDE LOCAL LIGHTS LOCATED BY COMMON AREAS. K&S SHALL BE HANGED OVER TO OWNER AT END OF PROJECT.	
6. REFER TO LIGHTING AND POWER RISE DETAILS FOR COMMON AREAS AND STAIRWELL CIRCULATING.	
7. ALL EXIST' LIGHTS WITHIN PARKADE AREA SHALL BE TYPE '1' UNLESS NOTED OTHERWISE.	
8. ALL EXIST' LIGHTS WITHIN COMMON PUBLIC AREAS EXCLUDING PARKADE AREAS SHALL BE TYPE '2' UNLESS NOTED OTHERWISE.	
9. REFER TO ACQUISITION REPORT FOR THE SPECIFIC REQUIREMENT FOR ELECTRICAL INSTALLATION & PROVISIONS.	
SUITE NOTES:	
KITCHEN EQUIPMENT IS SHOWN FOR SCORE PURPOSES ONLY. EXACT LAYOUTS TO BE PROVIDED BY INTERIOR ARCHITECTS. (TYPICAL)	
ALL LIGHT SWITCHES IN SUITES TO BE MOUNTED 1500mm A.F.F. TO THE TOP AND ALL LIGHT FIXTURES IN SUITES TO BE PLACED AS PER INTERIOR DESIGN DRAWINGS.	
WHEN MORE THAN ONE SMOKE ALARM OR COMMUNICATION SMOKE ALARM OR DETECTOR IS REQUIRED IN A DWELLING UNIT, THE DETECTORS SHALL BE WIRED IN SUCH A MANNER THAT THE OPERATION OF ONE DETECTOR WILL CAUSE ALL DETECTORS IN THE DWELLING UNIT TO SOUND. (TYPICAL)	

WG NO.	DRAWING NAME
1	ELECTRICAL SYMBOL, LEGEND, DRAWING LIST & GENERAL NOTES
2	SITE PLAN - ELECTRICAL
1	LEVEL P4 & LEVEL P3 PARKING PLAN - ELECTRICAL
2	LEVEL P2 & LEVEL P1 PARKING PLAN - ELECTRICAL
3	LEVEL P1 MEZZANINE PARKING PLAN / AMENITY - LEVEL ELECTRICAL
1A	LEVEL 1 FLOOR PLAN NORTH - ELECTRICAL
1B	LEVEL 1 FLOOR PLAN SOUTH - ELECTRICAL
2A	LEVEL 1 MEZZANINE FLOOR PLAN NORTH - ELECTRICAL
2B	LEVEL 1 MEZZANINE FLOOR PLAN SOUTH - ELECTRICAL
3A	LEVEL 2 FLOOR PLAN NORTH - ELECTRICAL
3B	LEVEL 2 FLOOR PLAN SOUTH - ELECTRICAL
4A	LEVEL 3 FLOOR PLAN NORTH - ELECTRICAL
4B	LEVEL 3 FLOOR PLAN SOUTH - ELECTRICAL
5A	LEVEL 4 FLOOR PLAN NORTH - ELECTRICAL
5B	LEVEL 4 FLOOR PLAN SOUTH - ELECTRICAL
6A	LEVEL 5 FLOOR PLAN NORTH - ELECTRICAL
6B	LEVEL 5 FLOOR PLAN SOUTH - ELECTRICAL
7A	LEVEL 6 FLOOR PLAN NORTH - ELECTRICAL
7B	LEVEL 6 FLOOR PLAN SOUTH - ELECTRICAL
8A	LEVEL 7 FLOOR PLAN NORTH - ELECTRICAL
8B	LEVEL 7 FLOOR PLAN SOUTH - ELECTRICAL
9A	LEVEL 8 FLOOR PLAN NORTH - ELECTRICAL
9B	LEVEL 8 FLOOR PLAN SOUTH - ELECTRICAL
10A	LEVEL 9 FLOOR PLAN NORTH - ELECTRICAL
10B	LEVEL 9 FLOOR PLAN SOUTH - ELECTRICAL
1A	LEVEL 10 FLOOR PLAN NORTH - ELECTRICAL
1B	LEVEL 10 FLOOR PLAN SOUTH - ELECTRICAL
1C	LEVEL 10 FLOOR PLAN - SUITE PH18 - ELECTRICAL
2A	LEVEL 11 FLOOR PLAN NORTH - ELECTRICAL
2B	LEVEL 11 FLOOR PLAN SOUTH - ELECTRICAL
3A	LEVEL 12 FLOOR PLAN NORTH - ELECTRICAL
3B	LEVEL 12 FLOOR PLAN SOUTH - ELECTRICAL
4A	LEVEL 13 FLOOR PLAN NORTH - ELECTRICAL
4B	LEVEL 13 FLOOR PLAN SOUTH - ELECTRICAL
5	LEVEL 14 FLOOR PLAN - ELECTRICAL
1-R/C	CONDO - SINGLE LINE DIAGRAM
2-R/A	ARTSCAPE - SINGLE LINE DIAGRAM
3-CP/CR	COMMERCIAL PARKING / COMMERCIAL RETAIL - SINGLE LINE DIAGRAM
1	COMMON AREA LIGHTING & POWER RISER DIAGRAM
2	TYPICAL SUITE DISTRIBUTION PANEL & TYPICAL SUITE P&ID SCHEDULES
3	FIRE ALARM RISER DIAGRAM
4	FIRE ALARM SCHEDULES
4A	FIRE ALARM SCHEDULE OF OPERATION
5	COMMUNICATION SYSTEM RISER DIAGRAM
6	SECURITY RISER DIAGRAM & DETAILS
1	ELECTRICAL ROOM DETAIL - ELECTRICAL
2	MISCELLANEOUS DETAILS - ELECTRICAL
3	MISCELLANEOUS DETAILS - ELECTRICAL
11	CONDO - EQUIPMENT SCHEDULES #1
12	CONDO - EQUIPMENT SCHEDULES #2
13	CONDO - EQUIPMENT SCHEDULES #3
14	CONDO - EQUIPMENT SCHEDULES #4
15	CONDO - EQUIPMENT SCHEDULES #5
11	ARTSCAPE - EQUIPMENT SCHEDULES #1
12	ARTSCAPE - EQUIPMENT SCHEDULES #2
13	ARTSCAPE - EQUIPMENT SCHEDULES #3
11	RETAIL - EQUIPMENT SCHEDULES #1
12	RETAIL - EQUIPMENT SCHEDULES #2
13	RETAIL - EQUIPMENT SCHEDULES #3

[illegible]

ABBREVIATIONS		
A	AMPERES	CSTE
AC	MOUNTED ABOVE CEILINGS	DM
ACI	ARC FLASH CALCULATED INTERTRIP	DMT
AFI	ABOVE FINISHED FLOOR	CTP
AFI	ABOVE FINISHED GRADE	
BFC	BELOW FINISHED CEILING	DB
BFG	BELOW FINISHED GRADE	DWH
BH	BASEBOARD HEATER	OWH
BRK	BREAKER	OWH
BV	BATTERY UNIT	OWH
C	CONDUCTOR	OT
CD	CABLE DISTRIBUTION PANEL	OT
CEP	CEILING FAN	SC
CH	CHIMNEY	BSC
CH	CHLOROPOLY	EP
CH	CHLOROPOLY	EP
CM	COMBINATION MAGNETIC	FF
CM	COMBINATION MAGNETIC	FF
CM	COMBINATION MAGNETIC FLUX VOLTAGE NON-REVERSIBLE	FA
CM RWRK	COMBINATION MAGNETIC, REDUCED VOLTAGE	FA
CONV	CONVERTER	FF
CO	NON-REVERSIBLE	FF
CO	NON-REVERSIBLE	FF
CO	COPY MACHINE	FM
CO	MOUNTED ON GRADE/SLOPE	FM

CUSTOMER SERVICE TERMINAL	FUJ	FUJ
END-ENCLOSURE	FBI	FBI
COMPUTER TERMINAL	FBI	FBI
COMPUTER TERMINAL, PRINTER	GR	GR
DELETE	GFI	GA
DIRECT BURIED	GR	GR
DOMESTIC HOT WATER HEATER	GR	GR
DOMESTIC HOT WATER TANK OR 5' PROVIDED	HF	HF
BY DIVISION 16	DO	DO
DOWN	INT	INT
DUST TIGHT	KNT	INT
EXISTING	KV	KV
EMERGENCY SIGNAL	KV	KV
EMERGENCY TANK	LOB	LOB
FLUORINATED	LP	LP
FLUSH FAN MOUNTED	LIG	LIG
FIRE ALARM	LV	LV
FAN COIL (WATER USED WITH ELECTRIC SYMBOL)	LVR	LVR
FOOT CANDLE	MC	MC
FORCE FLOW	ME	ME
FLOOR MOUNTED	MCC	MCC
FRIDGE	MCD	MCD
FRIDGE MOUNTED IN RATED FLOOR	MA	MA

	MF	-	MICROWAVE
LINE	MTD	-	MOISTURE PROOF
	MTG	-	MOUNTED
FAULT CIRCUIT INTERRUPTER	MTG	-	MOUNTING
TOOTH WIRE	MTG	-	MOUNTING TO BE MOVED
	MW	-	MILLWAGON
	NC	-	NORMALLY CLOSED
TAL	NC	-	NOT IN CONTRACT
POWER	NLT	-	NOT LIGHT
	NO	-	NORMALLY OPEN
C GROUND	NTS	-	NOT TO SCALE
	P	-	PUMP
APPLIANCE	PA	-	PUMP WHEN USED WITH
	PA	-	PUBLIC ADDRESS
TYPE GREYER PANEL	PP	-	POSSIBLE REPAIR/ON
	PSL	-	PISTON PUMP
	PR	-	PRIOR
TIME RELAY	QR	-	QUAD RELAY
CENTRE	R	-	REDUCED
CONTROL CENTRE	RP	-	RECTANGLE PANEL
INDICATOR	RU	-	ROUGH-IN
PROBATION	SG	-	SEPARATE CIRCUIT

SS	-	SELECTION SWITCH
SWRD	-	SWITCHBOARD
TEL	-	TELEPHONE
TYP	-	TYPICAL
UC	-	UNDER COUNTER
V	-	VOLT
VM	-	VENDING MACHINE
W	-	WALL MOUNTED
WC	-	WATER COOLER
WG	-	WIRE GUARD
WHP	-	WEATHER PROOF
WLT	-	WET LOCATION
WP	-	WATER PROOF
WTR	-	WATER TIGHT
XP	-	EXPLOSION PROOF

STRUCTURAL REQUIREMENTS:

1. REFER TO STRUCTURAL DRAWING TYPICAL DETAILS.
2. AREA OF CONCRETS NOT TO EXCEED 1% OF COLUMN CROSS SECTIONAL AREA
NOTE THAT SOME COLUMNS MAY NOT HAVE AN AGENT PERMITTED DUE TO THEIR CRITICAL NATURE.
3. CONCRETS TO BE PLACED WITHIN MAXIMUM 13 OF SLAB OR WALL THICKNESS.
4. OUTSIDE DIMETER OF CONCRETS NOT TO EXCEED 1/3 OF SLAB OR WALL THICKNESS.
5. MINIMUM CENTER TO CENTER SPACING OF ADJACENT CONCRETS = 6 X LARGER CONCRETE DIMETER.
7. CONCRETS TO BE LOCATED A MINIMUM OF 600mm FROM FACES OF COLUMNS.
8. CONCRETS TO BE LOCATED A MINIMUM OF 600mm FROM THE ENDS OF STUCCOALS THAT MAY BE PLACED AROUND COLUMNS.
9. CROSS CONCRETS AT 90 DEGREE ANGLES.
10. REFER TO DETAIL DRAWING AND SPECIFICATION FOR CONCRETE EXPANSION JOINTS.

ALL RECEPTABLES IN SITES TO BE MOUNTED 400mm A.F.F. TO THE TOP. (TYPICAL)

ALL TV TUNERS AND ASSOCIATED RECEPTABLES IN SITES TO BE MOUNTED 1500mm A.F.F. TO THE TOP UNLESS OTHERWISE NOTED.

SEE MECHANICAL DRAWING FOR EIR WIRING DETAIL.

ALL RECEPTABLES IN TV HITCHES OF W/O IN SINK SHALL BE PROVIDED WITH A 25AMP T-FOOT 15-PIN TV RECEPTACLE

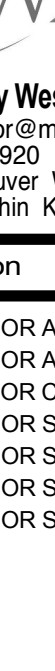
BALCON RECEPTABLES SHALL BE GFCI PROTECTED OR INCLUDED WITH GROUND FAULT CIRCUIT

SWITCH LOCATED BETWEEN 500mm-1000mm FROM A BATH TUB OR SHOWER STALL SHALL BE WIRED THROUGH A GFI BREAKER. REFER TO ONTARIO ELECTRICAL SAFETY CODE 30-320 FOR DETAIL.

NOTE:
NOT ALL SYMBOLS SHOWN ON THIS LEGEND ARE NECESSARILY USED ON THIS PROJECT

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Revision	Date
FOR ADD E-001	2015-02-10
FOR ADD E-003	2016-01-20
FOR CONSTRUCTION	2016-04-21
FOR FOR E-007	2016-06-21
FOR FOR E-019	2017-01-25
FOR FOR E-020	2017-08-15
FOR FOR E-028	2018-03-08

LEAD PERMIT REBUBSTION LEAD FOR CONSTRUCTION LEAD FOR TENDER LEAD FOR LEAD PERMIT SUBMISSION REVIEW	2017-04-25 2018-04-21 2019-10-30 2018-06-12 2018-06-01
Date Sign	

QUAVISTA

1000 BAYVIEW AVE. TORONTO, ONTARIO M2H 3P4

Drawing Title

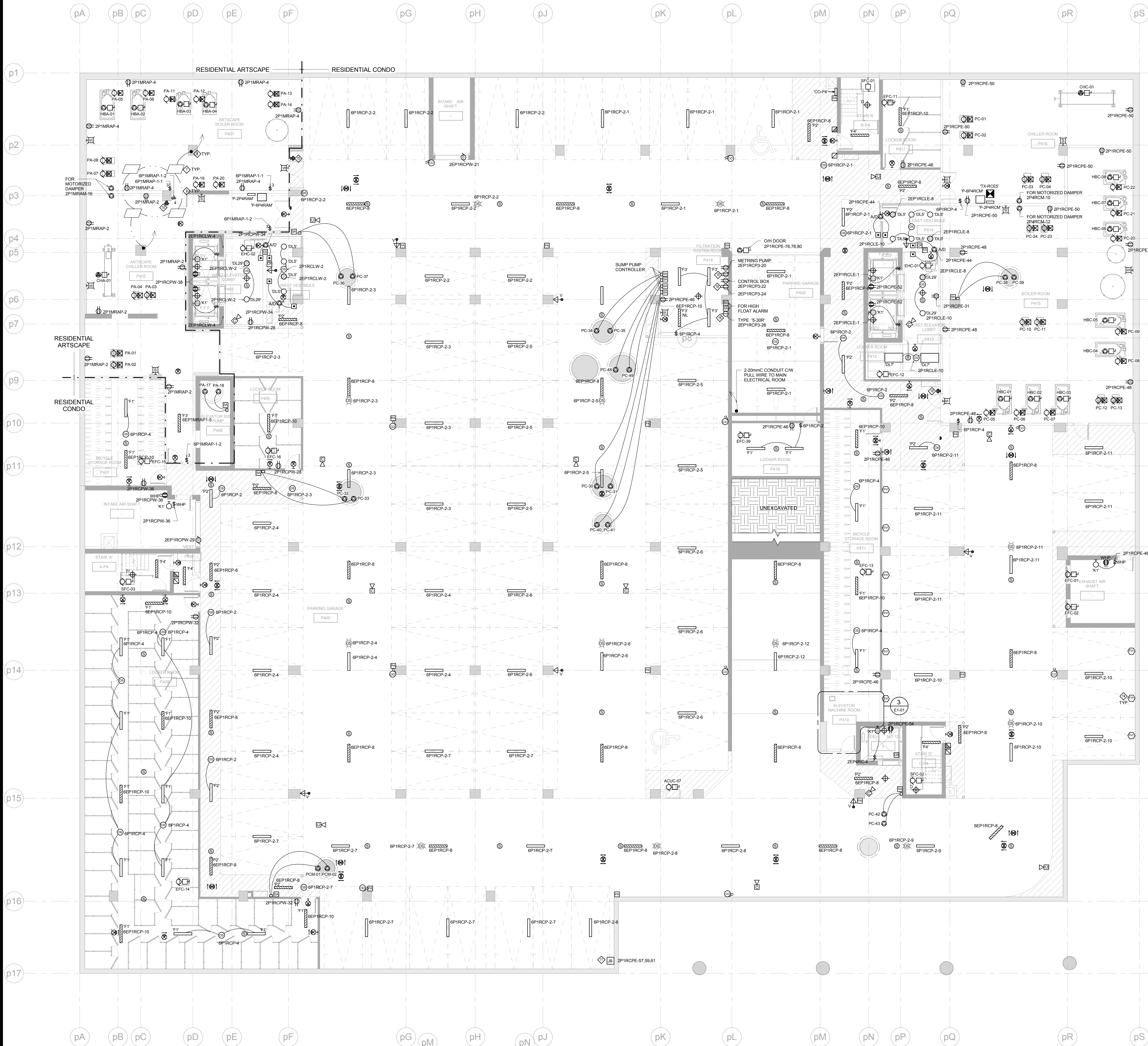
**ELECTRICAL SYMBOL
APPEND, DRAWING LIST
& GENERAL NOTES**

Project

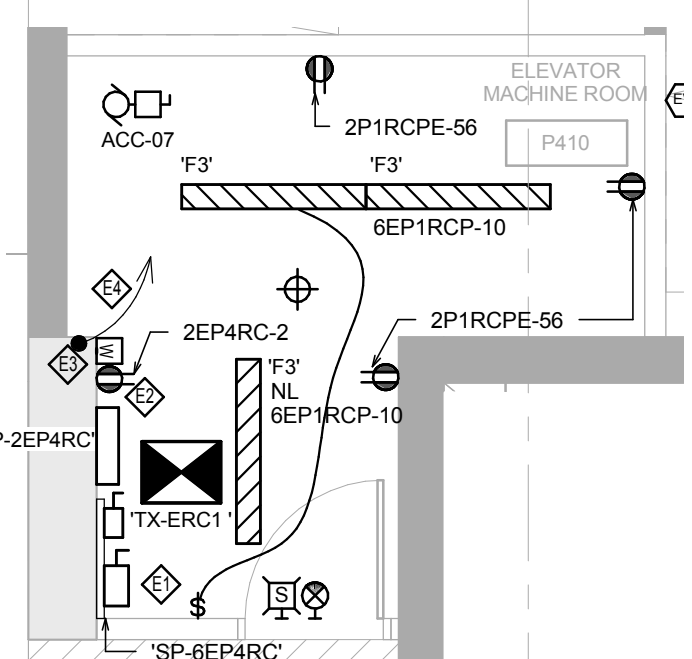
TRIDEL
AQUAVISTA
 Block 3 - R3 & R4
 Queen's Quay East
 Toronto, ON

N.T.S.	Drawn by	
Author	Checked by	
Checker	Project No.	
84580	Date	
08/28/12	Drawing No.	

E0-01



1 LEVEL P4 - ELECTRICAL
1 : 100



ELEVATOR MACHINE ROOM NOTES:

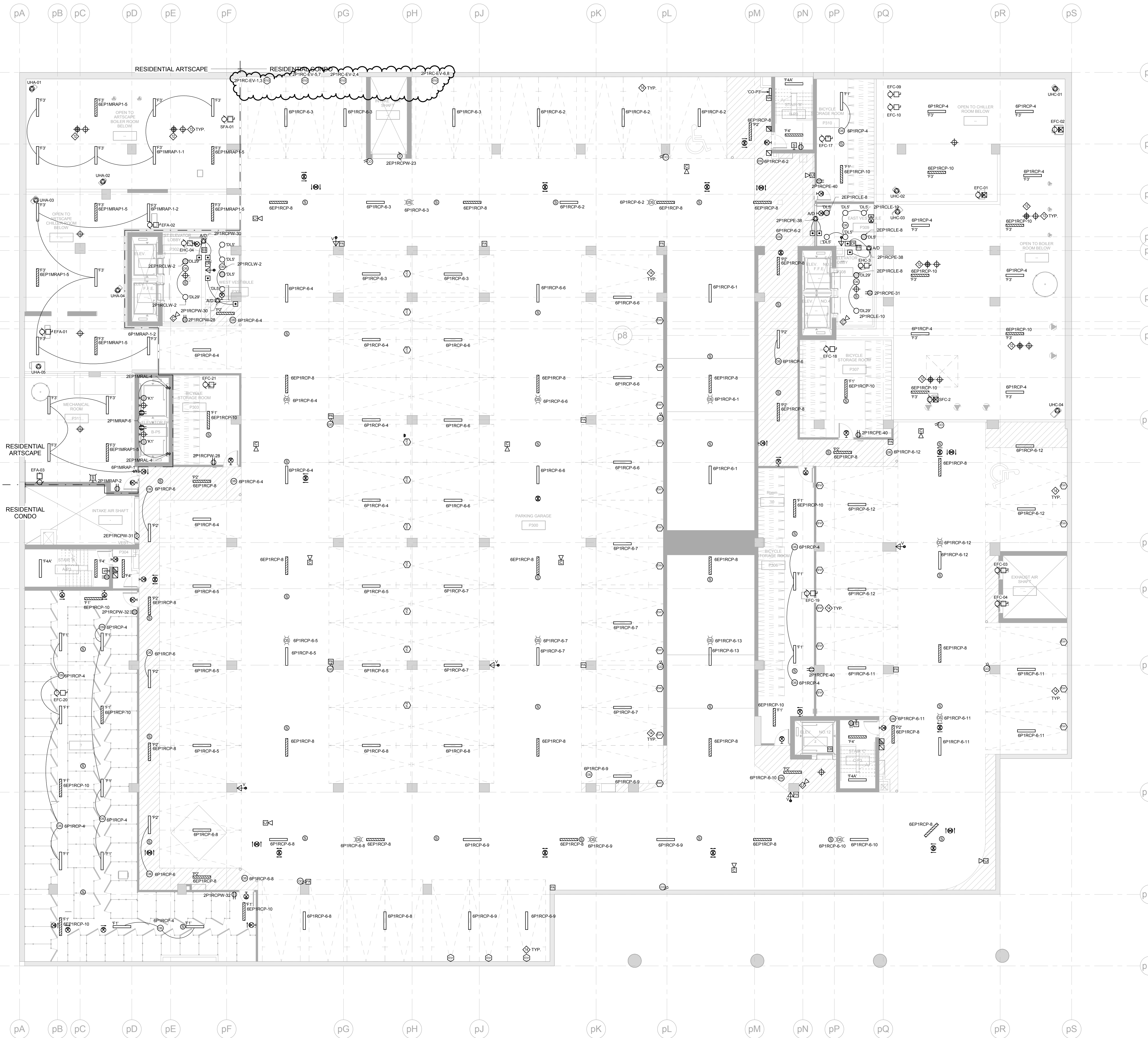
- PROVIDE DISCONNECT SWITCHES FOR ELEVATOR MOTOR, CW AUXILIARY CONTACT WITH WIRING TO THE CONTROLLER. REFER TO SINGLE DIAGRAM FOR REEER SIZE. FUSE TO BE PROVIDED AT THE ELEVATOR SHOP.
- INDICATE ON RECEPTACLE NEXT TO CONTROL CABINET. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR ON SITE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL EMPTY CONDUIT C/W PULL WIRE FROM MAIN TELECOMMUNICATION ROOM FOR A REDUNDANT TELEPHONE LINE TERMINATING AT THE PRIMARY ELEVATOR SIGNAL CONTROL CABINET FOR EMERGENCY CALL SYSTEM.
- CONDUIT TO PLYWOOD BACKBOARD FOR SECURITY SERVICE.

3 ELEVATOR MACH. ROOM P410
1 : 50

NOTES:

- ALL GARAGE LIGHT FIXTURES SHALL BE TYPE "Y". UNLESS OTHERWISE NOTED.
- REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS. (DWG. 64-01)
- PROVIDE MINIMUM AWG WIRING FOR ALL LIGHT FIXTURES IN STAIRS AND IN COMMONS.
- 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:
- ALL EXIT SIGNS ON THIS DRAWING SHALL BE TYPE "E". REFER TO DWG. 64-01 FOR CIRCUIT NUMBER.
- SPRINKLER SYSTEM LOW SWITCH AND SUPERVISORY VALVE. REFER TO APPENDIX INCORPORATED DRAWING FOR QUANTITY AND DESCRIPTION.
- PROVIDE 610mm x 51mm x 3mm (11KCM) COPPER GROUND FLUSH PLATES. REFER TO SPECIFICATION FOR DETAILS.
- 30 AWG COPPER GROUND WIRE UP TO GROUND BUS IN MAIN ELECTRICAL ROOM (P1 LEVEL). REFER TO DWG. 65-01 FOR DETAILS.
- 30 AWG COPPER GROUNDING CONDUIT.
- EMERGENCY CALL SWITCHES FOR HEATING BOILERS. PROVIDE LAMINATED IDENTIFICATION PLATE LOCATED SWITCHES AT 1000MM AFF. PROVIDE SEE THROUGH TAMPER PROOF TYPE ENCLOSURE WITH LAMINATED IDENTIFICATION MARKING PLATE.

- FOR FUTURE CAR WASH CONTROLLER PROVIDE POWER 12A, 120/208V, 3Ø 4W POWER CONNECTION. EXACT LOCATION TO BE COORDINATED WITH ARCHITECTURAL DRAWING.
- DEVICE CONNECT TO FIRE ALARM SYSTEM. REFER TO SPECIFICATION FOR DETAILS.
- HEAT DETECTORS SHOWN IN THE MECHANICAL ROOM ARE FOR REFERENCE ONLY. CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE MECHANICAL ROOM FOR MECHANICAL EQUIPMENT PIPES AND DUCTS IN ORDER TO ALLOW THE DETECTOR TO OPERATE PROPERLY. CONTRACTOR SHALL INCLUDE THE SUPPLY AND INSTALLATION OF AN ADDITIONAL HEAT DETECTOR. EXACT LOCATIONS OF ADDITIONAL DETECTORS SHALL BE AS DIRECTED ON SITE AFTER COMPLETE INSTALLATION. PROVIDE HEAT TEMPERATURE HEAT DETECTOR IN BOILER ROOM.
- MOUNTING HEIGHT 1000mm A.F.F. ALL CONDUITS C/W PULL WIRE BACK TO ELECTRICAL CAR CHARGING PANEL AT EAST ELECTRICAL ROOM P105.
- PROVIDE LOCKABLE COVER, MOUNTING HEIGHT 1000mm A.F.F.
- POWER RECEPTACLE FOR FILTRATION SYSTEM. EXACT LOCATION TO BE COORDINATED WITH FILTRATION SYSTEM SHOP DRAWING.



2 LEVEL P3 - ELECTRICAL
1 : 100

Contractor Must Check and Verify All Dimensions On The Job.

Do Not Scale This Drawing.

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Date: 08/28/12

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No.	Revision	Date
1	ISSUED FOR ADD E-001	2010/12/10
2	ISSUED FOR ADD E-003	2010/01/20
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5	ISSUED FOR S.E-004	2010/11/01
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7	ISSUED FOR S.E-003	2010/06/09
8	ISSUED FOR S.E-008	2010/03/09

AQUAVISTA

AT BAYSIDE TORONTO

Drawing Title:

LEVEL P4 & LEVEL P3

PARKING PLAN - ELECTRICAL

Project:

Hines TRIDEL

AQUAVISTA

Block 3 - R3 & R4

Queen's Quay East
Toronto, ON

As Indicated

Author: _____

Checked by: _____

Checker: _____

Project No: 8489D

Date: 08/28/12

Drawing No: **E1-01**



MCW Consultants Ltd.

Site Instruction

Date: March 8, 2018

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Project 8489D

No.:

SI No.: E 038

Page No.: 1 of 1+ 4 attached

Office: Toronto

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: EV Charging Stations.

Specification:

Spec	Issued	Items
Panel schedule	Yes	Replace 1P barkers with 2p 40A (Qty-7).

Electrical:

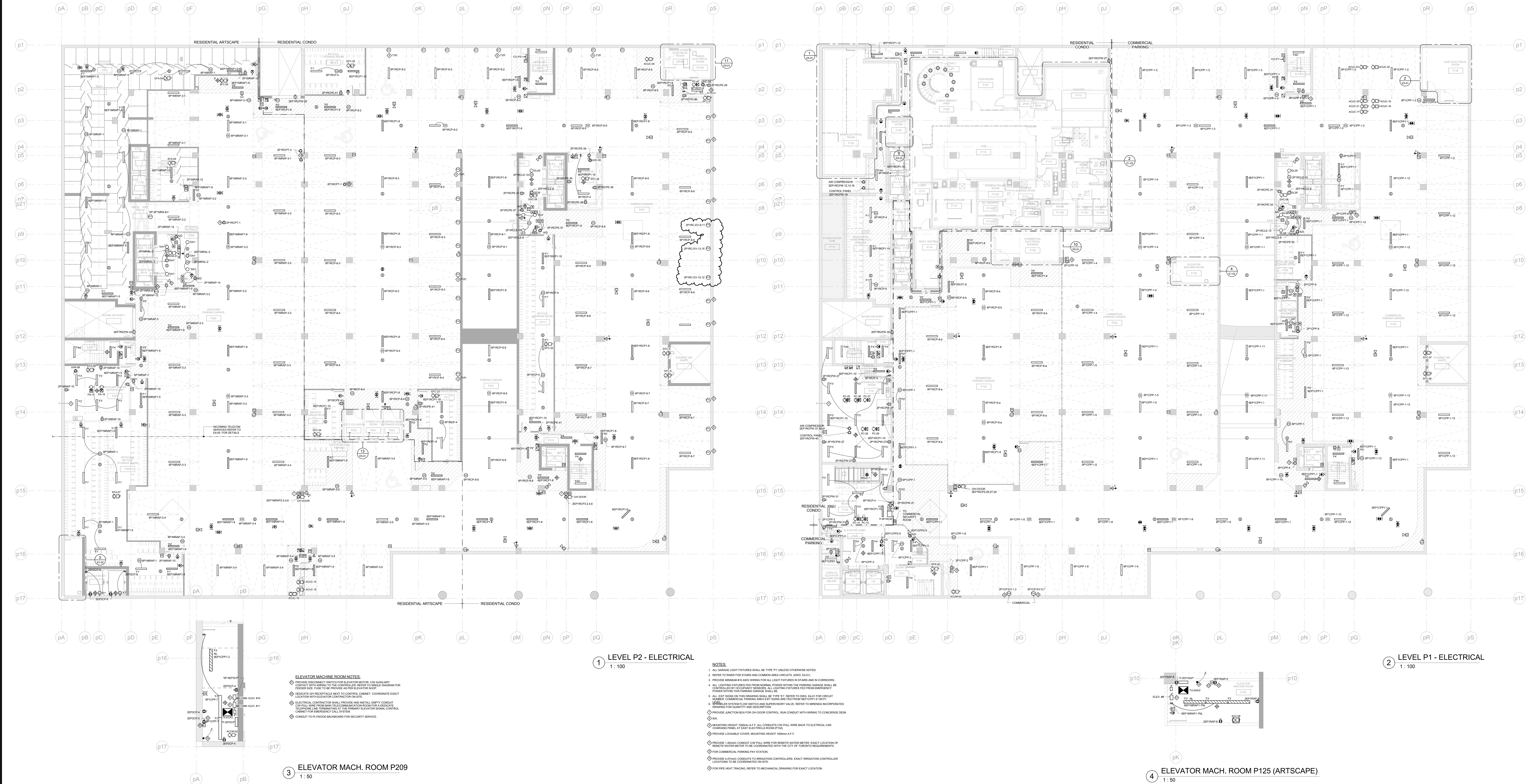
Drawing No.	Drawing Issued	Items
Electrical drawings have been revised to address the EV charging replacement from Type-1 to Type-2		
E0-01	Yes	EV charging legend has been updated.
E1-01, E1-02	Yes	- Replace type-1 charging stations with type-2 (Total Qty-7). - Feeders and conduits to be upgraded for this change. - Coordinate with metering contractor for required metering modifications and CT replacements.

ME Schedule:

Drawing No.	Drawing Issued	Items
		N/A.

Reason for Issue – As per TRIDEL'S request.

End of SI-E038



Contractor Must Check and Verify All Dimensions On The Job.

Do Not Scale The Drawing.

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Regulator Of Drawings, Specifications And Related Documents In Part Or Whole In Violation Without The Architect's Written Permission.

This Drawing Is Not To Be Used For Construction Unless Signed By The Architect.

Date: 03/06/15

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No.	Revision	Date
1	ISSUED FOR ADD E-01	2015/01/10
2	ISSUED FOR ADD E-02	2015/01/10
3	ISSUED FOR ADD E-03	2015/01/10
4	ISSUED FOR CONSTRUCTION	2015/01/10
5	ISSUED FOR SE-001	2015/01/10
6	ISSUED FOR SE-002	2015/01/10
7	ISSUED FOR SE-003	2015/01/10
8	ISSUED FOR SE-004	2015/01/10
9	ISSUED FOR SE-005	2015/01/10
10	ISSUED FOR SE-006	2015/01/10
11	ISSUED FOR SE-007	2015/01/10

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AQUAVISTA
AT BAYSIDE TORONTO

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

As Indicated
Author
Checked
Checked By
Date
03/06/15
Drawing No.
E1-02