GENERAL POWER

- 15A, U-GROUND SINGLE RECEPTACLE
- 15A, U-GROUND DUPLEX RECEPTACLE
- (5-20R) T-SLOT U-GROUND DUPLEX RECEPTACLE
- 15A, U-GROUND SINGLE OR DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER
- 15A, U-GROUND SINGLE INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- 15A, U-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- (5-20R) T-SLOT U-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- 20A — 120/208V/1 - 20 AMP DRYER OUTLET
- 40A — 120/208V/1 - 40 AMP RANGE OUTLET
- 20A — SINGLE SPECIAL RECEPTACLE - AMPACITY AS INDICATED, TYPE 'A' AS SPECIFIED
- 15A, U-GROUND SPLIT WIRED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- 15A, U-GROUND HALF SWITCHED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER (CONTROLLED BY SWITCH)
- 15A, U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- (5-20R) T-SLOT U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER
- 15A, U-GROUND SINGLE RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- (5-20R) T-SLOT U-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND SINGLE OR DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- (5-20R) T-SLOT U-GROUND SINGLE OR DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND SPLIT WIRED DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- (5-20R) T-SLOT U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND SINGLE RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND DUPLEX RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- (5-20R) T-SLOT U-GROUND DUPLEX RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND SINGLE OR DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- (5-20R) T-SLOT U-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND SPLIT WIRED DUPLEX RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- 15A, U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- (5-20R) T-SLOT U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE

LIGHTING

- LINEAR FLUORESCENT LUMINAIRE, TYPE 'A' AS SPECIFIED 'HATCHING DENOTES CONNECTED TO EMERGENCY/NIGHT LIGHTING CIRCUIT
- A — CEILING MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED
- A — WALL MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED
- H.O. — POLE MOUNTED LUMINAIRE, TYPE 'H1' AS SPECIFIED
- DOUBLE SURFACE MOUNTED EMERGENCY LIGHTING REMOTE HEADS, TYPE 'BLU' INDICATES BATTERY BANK FED FROM
- CEILING MOUNTED EMERGENCY LIGHTING REMOTE HEAD
- EMERGENCY LIGHTING BATTERY UNIT C/W DUPLEX RECEPTACLE AND DOUBLE REMOTE HEADS, TYPE 'BLU' AS SPECIFIED
- BLU — WALL MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN. 'BLU' INDICATES BATTERY UNIT FED FROM
- WALL 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 SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.

EQUIPMENT CONNECTIONS AND CONTROLS

- DIRECT CONNECTION - 120 OR 208V AS SPECIFIED
- DIRECT CONNECTION - 347 OR 600V AS SPECIFIED
- DIRECT CONNECTION - 120 OR 208V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
- DIRECT CONNECTION - 347 OR 600V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
- DIRECT CONNECTION - 120 OR 208V C/W FUSED DISCONNECT SWITCH AS SPECIFIED
- DIRECT CONNECTION - 347 OR 600V C/W FUSED DISCONNECT SWITCH AS SPECIFIED
- MODULAR FURNITURE WHIP CONNECTION 'H' - DENOTES CEILING '5' - 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
- HD — 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. ROUGH-IN 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 PANEL DESIGNATION
- SURFACE MOUNTED ELECTRICAL PANEL - 'SP' DENOTES PANEL DESIGNATION

FIRE ALARM SYSTEM

- PULL STATION
- FLUSH MOUNTED BELL
- HB — FLUSH MOUNTED HORN - 'HS' DENOTES 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
- FIREMEN 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
- DD — DUCT TYPE SMOKE DETECTOR WITH REMOTE ANNUNCIATION
- SINGLE STATION TYPE SMOKE ALARM C/W RED INDICATION LIGHT - WALL OR CEILING MOUNTED
- SINGLE STATION TYPE SMOKE ALARM/CARBON MONOXIDE DETECTOR C/W 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/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
- SPRINKLER SYSTEM OR STANDPIPE SUPERVISED VALVE BY MECHANICAL AND WIRED BY ELECTRICAL COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
- SOLENOID VALVE BY MECHANICAL AND WIRED BY ELECTRICAL COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
- DH — DOOR HOLDER
- MOTORIZED DAMPER BY MECHANICAL AND WIRED BY ELECTRICAL COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
- FP — RECESSED MOUNTED - FIRE ALARM CONTROL PANEL
- FP — SURFACE MOUNTED - FIRE ALARM CONTROL PANEL
- FAA — RECESSED MOUNTED - FIRE ALARM ANNUNCIATOR PANEL
- FAA — SURFACE MOUNTED - FIRE ALARM ANNUNCIATOR PANEL
- FAE — RECESSED MOUNTED - CENTRAL MONITORING AND EVACUATION FACILITIES
- FAE — SURFACE MOUNTED - CENTRAL MONITORING AND EVACUATION FACILITIES
- END OF LINE RESISTOR
- REMOTE TROUBLE SIGNAL

SECURITY AND ACCESS SYSTEMS

- SP — SECURITY SYSTEM CONTROL PANEL
- KP — KEY PAD
- CR — CARD READER
- IR — INFRA RED READER
- RB — REQUEST TO EXIT BUTTON
- EM — EGRESS MOTION DETECTOR
- DC — DOOR CONTACT
- PC — PATIO DOOR CONTACT
- WC — WINDOW CONTACT
- OD — OVERHEAD DOOR CONTACT
- PL — POWER LOCK
- ES — ELECTRIC STRIKE
- AB — AUDIBLE ALARM
- MD — MOTION DETECTOR
- GB — GLASS BREAK DETECTOR
- AO — AUTOMATIC DOOR OPENER
- CCTV — CLOSED CIRCUIT CAMERA 'B' - DENOTES BOX ENCLOSURE 'D' - DENOTES ELEVATOR CORNER MOUNT 'P' - DENOTES PAN TILT ZOOM 'PTZ' - DENOTES PAN TILT ZOOM 'W' - WEDGE ENCLOSURE
- SM — SECURITY SYSTEM MONITOR
- ML — MAGLOCK DEVICE
- MR — MAGLOCK RESET SWITCH
- KS — KEY SWITCH
- CB — CODE BLUE SPEAKER PHONE
- CB — CODE BLUE INTEGRATED UNIT C/W ACCESSORIES, POLE OR PEDESTAL MOUNTED
- AS — ALARM SOUNDER
- PA — PANIC ALARM

COMMUNICATIONS

- WALL MOUNTED COMBINATION MULTI-FUNCTION COMMUNICATION OUTLET
- WALL MOUNTED COMBINATION 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 C/W CEILING SLAB C/W 2" (50mm) CONDUIT BACK TO TELEPHONE BACKBOARD
- COMMUNICATION LINE TERMINAL BOX
- DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
- DATA OUTLET - FLUSH CEILING 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 C/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 'I' AS SPECIFIED
- VOLUME CONTROL SWITCH
- PROJECTION SOUND JACK
- SOUND BRIDGING JACK
- AMP — AMPLIFIER
- CONSOLE OR RACK C/W TERMINAL BOX

DWG NO.	DRAWING NAME	SCALE	ISSUED FOR BUILDING PERMIT 2015-05-01
E0-01	ELECTRICAL SYMBOL LEGEND, DRAWING LIST & GENERAL NOTES	N.T.S.	•
E0-02	SITE PLAN - ELECTRICAL	1:300	
E1-01	LEVEL P4 & LEVEL P3 PARKING PLAN - ELECTRICAL	1:100	•
E1-02	LEVEL P2 & LEVEL P1 PARKING PLAN - ELECTRICAL	1:100	•
E1-03	LEVEL P1 MEZZANINE PARKING PLAN - ELECTRICAL	1:100	
E2-01A	LEVEL 1 FLOOR PLAN NORTH - ELECTRICAL	1:50	
E2-01B	LEVEL 1 FLOOR PLAN SOUTH - ELECTRICAL	1:50	
E2-02A	LEVEL 1 MEZZANINE FLOOR PLAN NORTH - ELECTRICAL	1:50	
E2-02B	LEVEL 1 MEZZANINE FLOOR PLAN SOUTH- ELECTRICAL	1:50	
E2-03A	LEVEL 2 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-03B	LEVEL 2 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-04A	LEVEL 3 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-04B	LEVEL 3 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-05A	LEVEL 4 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-05B	LEVEL 4 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-06A	LEVEL 5 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-06B	LEVEL 5 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-07A	LEVEL 6 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-07B	LEVEL 6 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-08A	LEVEL 7 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-08B	LEVEL 7 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-09A	LEVEL 8 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-09B	LEVEL 8 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-010A	LEVEL 9 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-010B	LEVEL 9 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-11A	LEVEL 10 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-11B	LEVEL 10 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-12A	LEVEL 11 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-12B	LEVEL 11 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E2-13A	LEVEL 12 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E2-13B	LEVEL 12 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E3-14A	LEVEL 13 FLOOR PLAN NORTH - ELECTRICAL	1:50	•
E3-14B	LEVEL 13 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•
E3-C-01	CONDO - SINGLE LINE DIAGRAM	N.T.S.	•
E3-C-02	CONDO - SECURITY RISER DIAGRAM & DETAILS	N.T.S.	•
E3-C-03	CONDO - FIRE ALARM RISER DIAGRAM	N.T.S.	•
E3-C-04	CONDO - FIRE ALARM SYSTEM ZONE SCHEDULE	N.T.S.	•
E3-C-05	CONDO - COMMON AREA LIGHTING & POWER RISER DIAGRAM, DISPOSAL SYSTEM ROUGH-IN RISER	N.T.S.	•
E3-C-06	CONDO - COMMUNICATION SYSTEM RISER DIAGRAM	N.T.S.	•
E3-A-01	ARTSCAPE - SINGLE LINE DIAGRAM	N.T.S.	•
E3-A-02	ARTSCAPE - SECURITY RISER DIAGRAM & DETAILS	N.T.S.	•
E3-A-03	ARTSCAPE - COMMON AREA LIGHTING & POWER RISER DIAGRAM, DISPOSAL SYSTEM ROUGH-IN RISER	N.T.S.	•
E3-A-04	ARTSCAPE - COMMUNICATION SYSTEM RISER DIAGRAM	N.T.S.	•
E4-01	MISCELLANEOUS DETAILS - ELECTRICAL	N.T.S.	•
E4-02	MISCELLANEOUS DETAILS - ELECTRICAL	N.T.S.	•
ME-11	CONDO - EQUIPMENT SCHEDULES #1	N.T.S.	•
ME-12	CONDO - EQUIPMENT SCHEDULES #2	N.T.S.	•
ME-13	CONDO - EQUIPMENT SCHEDULES #3	N.T.S.	•
ME-14	CONDO - EQUIPMENT SCHEDULES #4	N.T.S.	•
ME-21	ARTSCAPE - EQUIPMENT SCHEDULES #1	N.T.S.	•
ME-22	ARTSCAPE - EQUIPMENT SCHEDULES #2	N.T.S.	•
ME-31	RETAIL - EQUIPMENT SCHEDULES #1	N.T.S.	•
ME-32	RETAIL - EQUIPMENT SCHEDULES #2	N.T.S.	•

LIGHTING CONTROL

- ONE, TWO, THREE AND FOUR GANG SINGLE POLE TOGGLE SWITCHES
- 3 — 3-WAY SWITCH
- 4 — 4-WAY SWITCH
- K — KEY OPERATED LIGHT SWITCH
- P — TOGGLE SWITCH C/W RED PILOT LIGHT
- D — DOOR LIGHT SWITCH
- A — SWITCH MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED
- F — FAN CONTROL SWITCH
- FV — VARIABLE SPEED FAN CONTROL SWITCH
- T — MANUAL TIMER SWITCH
- A — DIMMER SWITCH, TYPE 'A' AS SPECIFIED
- PC — PROGRAMMABLE TIME CLOCK, TYPE 'A' AS SPECIFIED
- OS — CEILING MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED
- PE — PHOTO ELECTRIC CONTROL
- LV — LOW VOLTAGE RELAY
- LVR — LOW VOLTAGE RELAY PANEL, TYPE 'A' AS SPECIFIED
- LVS — LOW VOLTAGE CONTROL STATION, TYPE 'LVS1' AS SPECIFIED
- LVM — LOW VOLTAGE CONTROL SYSTEM MASTER STATION

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
- ATS — AUTOMATIC TRANSFER SWITCH - 'BP' DENOTES ISOLATION BYPASS SWITCH
- EMERGENCY GENERATOR
- EI — EMERGENCY LIGHTING INVERTER
- UPS — UNINTERRUPTABLE POWER SUPPLY

ELECTRIC HEATING

- BBH — ELECTRIC BASEBOARD HEATER, TYPE 'BBH1' AS SPECIFIED
- ABH — ARCHITECTURAL DRAFT BARRIER HEATER, TYPE 'DBH1' AS SPECIFIED
- KBH — ELECTRIC KICKSPACE HEATER, TYPE 'KSH1' AS SPECIFIED
- DBH — ELECTRIC DROP-IN HEATER, TYPE 'DIH1' AS SPECIFIED
- CUH — CABINET UNIT HEATER, TYPE 'CUH1' AS SPECIFIED
- RBH — RECESSED MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE 'RFH1' AS SPECIFIED
- WBH — SURFACE MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE 'RFH1' AS SPECIFIED
- UH — ELECTRIC UNIT HEATER, TYPE 'UH1' AS SPECIFIED
- AREA OF SNOW MELTING CABLE - TYPE 'S1' AS SPECIFIED
- HEAT TRACING CABLE AROUND HORIZONTAL PIPE - TYPE 'ID2' AS SPECIFIED
- HEAT TRACING CABLE AROUND VERTICAL PIPE - TYPE 'ID1' AS SPECIFIED

MISCELLANEOUS

- INDICATES EXISTING DEVICE TO REMAIN
- M — INDICATES EXISTING DEVICE TO BE MOVED
- R — INDICATES EXISTING DEVICE IN RELOCATED POSITION
- D — INDICATES EXISTING DEVICE TO BE DEMOLISHED
- INDICATES CONDUIT
- DRWG — ELECTRICAL DRAWING NOTES

NURSE CALL SYSTEMS

- SINGLE PATIENT BED STATION
- DPB — DOUBLE PATIENT BED STATION
- FULL CORD STATION - (SHOWER ROOM, TUB ROOM, AND WASHROOMS)
- DOME LIGHT CONSISTS OF: 'FLASHING RED' FOR FIRE ALARM 'FLASHING BLUE' FOR DUTY STATION 'FLASHING WHITE' FOR STATION IN WASHROOM, SHOWER OR TUB ROOM 'FLASHING AMBER' FOR EXTERIOR STATION LOCATIONS 'STEADY AMBER' FOR DINING OR ACTIVITY AREAS
- WALL MOUNTED DUTY STATION OUTLET FOR NURSE CALL CONSOLE. CONSOLE SHALL BE MOUNTED AT TYPICAL OUTLET MOUNTING HEIGHT
- RCA — RECESSED MOUNTED - NURSE CALL ANNUNCIATOR PANEL
- SURFACE MOUNTED - NURSE CALL ANNUNCIATOR PANEL
- RCP — RECESSED MOUNTED - NURSE CALL CONTROL PANEL
- SCP — SURFACE MOUNTED - NURSE CALL CONTROL PANEL

BRANCH CIRCUITING LEGEND

- 3 — 'P' - DENOTES CIRCUIT NUMBER (P1 LEVEL) OR (P2 LEVEL) OR (P3 LEVEL) OR (P4 LEVEL) OR (P1 LEVEL)
- 'E' - DENOTES EMERGENCY PANEL
- '2' - DENOTES 120/208V OR
- '4' - DENOTES 347/600V

NOTES

GENERAL NOTES:

1. MINIMUM CONDUIT SIZE SHALL BE 21mm UNLESS NOTED OTHERWISE.
2. MOUNTING HEIGHT OF ALL EQUIPMENT/DEVICES SHOWN IN SYMBOL LEGEND ABOVE SHALL BE MEASURED WITH RESPECT TO THE CENTER OF THE DEVICE TO FINISHED FLOOR.
3. ALL EXIT SIGNS IN PARKING LEVELS NOT INDICATED AS WALL MOUNTED SHALL BE CEILING MOUNTED. EXIT SIGNS SHALL BE LOCATED WHERE TOP EXITS ARE VISIBLE BELOW BUILDING STRUCTURES INCLUDING PIPING. COORDINATE EXACT LOCATION ON SITE PRIOR TO INSTALLATION.
4. ALL EXIT SIGNS AND EMERGENCY LIGHTING UNITS SHALL BE CHAIN SUSPENDED TO CLEAR ALL OTHER EQUIPMENT AND STRUCTURES. COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION.
5. ALL EMERGENCY LIGHTING UNITS SHALL BE CONNECTED TO ALL STARTERS AND DISCONNECT SWITCHES LOCATED IN THE BUILDING AS KEYS SHALL BE HANDED OVER TO OWNER AT END OF PROJECT.
6. ALL EMERGENCY LIGHTING POWER RISER DETAILS FOR COMMON AREAS AND STAIRWELL LIGHTING.
7. ALL EXIT LIGHTS WITHIN PARKADE AREA SHALL BE TYPE 'E1' UNLESS NOTED OTHERWISE.
8. ALL EXIT LIGHTS WITHIN COMMON PUBLIC AREAS EXCLUDING PARKADE AREAS SHALL BE TYPE 'E2' UNLESS NOTED OTHERWISE.

RESIDENTIAL SUITE NOTES:

1. OUTLET MOUNTED IN MILLWORK (UNDER SINK) FOR FUTURE DISHWASHER.
2. 15A, 120V.
3. SUITE FAN COIL UNIT C/W ELECTRIC HEATER (TYPICAL).
4. ALL RECEPTACLES IN KITCHEN WITHIN 1M OF SINK SHALL BE PROVIDED WITH GROUND FAULT PROTECTION (TYPICAL).
5. WHEN MORE THAN ONE SMOKE ALARM C/W COMBINATION SMOKE ALARM/C.O. DETECTOR IS REQUIRED IN A DWELLING UNIT, THE INTERCONNECTION OF ALL SMOKE ALARMS IN THE DWELLING UNIT TO ONE DETECTOR WILL CAUSE ALL DETECTORS WITHIN DWELLING UNIT TO SOUND. (TYPICAL)
6. 15A, 120V.
7. PROVIDE FIRE ALARM PULLSTATIONS AT ALL SUITE BALCONY EXITS ON MAIN FLOOR ONLY.
8. GFCI PROTECTED WEATHERPROOF RECEPTACLE AT ALL SUITES WHERE APPLICABLE. RECEPTACLE SHALL BE MOUNTED AT 900mm (2'-0") AFF.

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

ABBREVIATIONS

A	-	AMPERES	CSTE	-	CUSTOMER SERVICE TERMINATION	FU	-	FUSE	MIC	-	MICROWAVE	SWBRD	-	SWITCHBOARD
ACC	-	MOUNTED ABOVE CEILING			ENCLOSURE	FX	-	FAX MACHINE	MP	-	MOISTURE PROOF			
AFCI	-	ARC FAULT CIRCUIT INTERRUPTER	CT	-	COMPUTER TERMINAL	FZ	-	FREEZER	MTD	-	MOUNTED	TEL	-	TELEPHONE
AFF	-	ABOVE FINISHED FLOOR	CTP	-	COMPUTER TERMINAL PRINTER				MTG	-	MOUNTING	TYP	-	TYPICAL
AFG	-	ABOVE FINISHED GRADE				GFI	-	GROUND FAULT CIRCUIT INTERRUPTER	MV	-	EXISTING TO BE MOVED			
			DB	-	DELETE	GRB	-	GARBAGNATOR	MW	-	MOUNTED IN MILLWORK	UC	-	UNDER COUNTER
BFC	-	BELOW FINISHED CEILING	DBR	-	DIRECT BURIED	GW	-	GROUND WIRE						
BFG	-	BELOW FINISHED GRADE	DHWH	-	DOMESTIC HOT WATER HEATER				NC	-	NORMALLY CLOSED	V	-	VOLT
BB	-	BASEBOARD HEATER	DHWT	-	DOMESTIC HOT WATER TANK DV - 15 PROVIDED BY OWNER	H	-	HORIZONTAL	NIC	-	NOT IN CONTRACT	VM	-	VENDING MACHINE
BKR	-	BREAKER				HP	-	HORSEPOWER	NO	-	NORMALLY OPEN			
BU	-	BATTERY UNIT	DN	-	DOWN				NO	-	NORMALLY OPEN	W	-	WALL MOUNTED
			DP	-	DISTRIBUTION PANEL	IG	-	ISOLATED GROUND	NTS	-	NOT TO SCALE	WC	-	WATER COOLER
C	-	CONDUCTOR	DT	-	DUST TIGHT	INT	-	INTERLOCK				WG	-	WIRE GUARD
CDP	-	CENTRAL DISTRIBUTION PANEL							P	-	PUMP (WHEN USED WITH MOTOR SYMBOL)	WL	-	WET LOCATION
CF	-	CEILING FAN	E	-	EXISTING	kVA	-	KILO VOLT-AMPERES	PA	-	PUBLIC ADDRESS	WP	-	WEATHERPROOF
CFM	-	CUBIC FEET PER MINE	EC	-	ELECTRICAL CONDUIT	kW	-	KILOWATTS	PDU	-	POWER DISTRIBUTION UNIT	WR	-	WEATHER RESISTANT
CH	-	CHILDPROOF	EF	-	EXHAUST FAN				PH	-	PHASE PANEL	WTP	-	WATERPROOF
CLG	-	CEILING MOUNTED	EH	-	ELECTRIC HEATER	LOB	-	LOCK-ON-TYPE BREAKER	PNL	-	PP POWER PANEL			
CO	-	CONDUIT ONLY - MAGNETIC				LP	-	LIGHTING PANEL	PR	-	PRINTER	XP	-	EXPLOSION PROOF
CM FVNR	-	COMBINATION MAGNETIC, FULL VOLTAGE NON-REVERSING	F	-	FLUSH FLOOR MOUNTED	LTG	-	LIGHTING						
			FA	-	FIRE ALARM	LV	-	LOW VOLTAGE	QP	-	QUAD PLEX			
CM RVNR	-	COMBINATION MAGNETIC, REDUCED VOLTAGE NON-REVERSIBLE	FAP	-	FIRE ALARM PANEL (WHEN USED WITH MOTOR SYMBOL)	LVR	-	LOW VOLTAGE RELAY						
			FC	-	FOOT CANDLE				R	-	RELOCATED			
CNDT	-	CONDUIT	FF	-	FORCE FLOW	MC	-	METERING CENTRE	RP	-	RECEPTACLE PANEL			
CO	-	COPY MACHINE	FFH	-	FORCE FLOW HEATED	MCC	-	MOTOR CONTROL CENTRE						
CS	-	MOUNTED IN CRAWLSPACE	FR	-	FRIDGE	MCD	-	MULTI CONDUCTOR	SC	-	SEPARATE CIRCUIT			
			FS	-	DEVICE MOUNTED IN RAISED FLOOR SPACE	MD	-	MAIN DISTRIBUTION	SS	-	SELECTOR SWITCH			

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S. C. M. BELLAMY
100 MILLWOOD ROAD TORONTO ONTARIO
MCW Consultants Ltd.
227 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com
Tel: 416-598-2600
Fax: 416-598-3284
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
Dayphin Kelowna Hall Saint John

No.	Revision	Date
1	ISSUED FOR BUILDING PERMIT	2015-05-01

No.	Issued For	Date

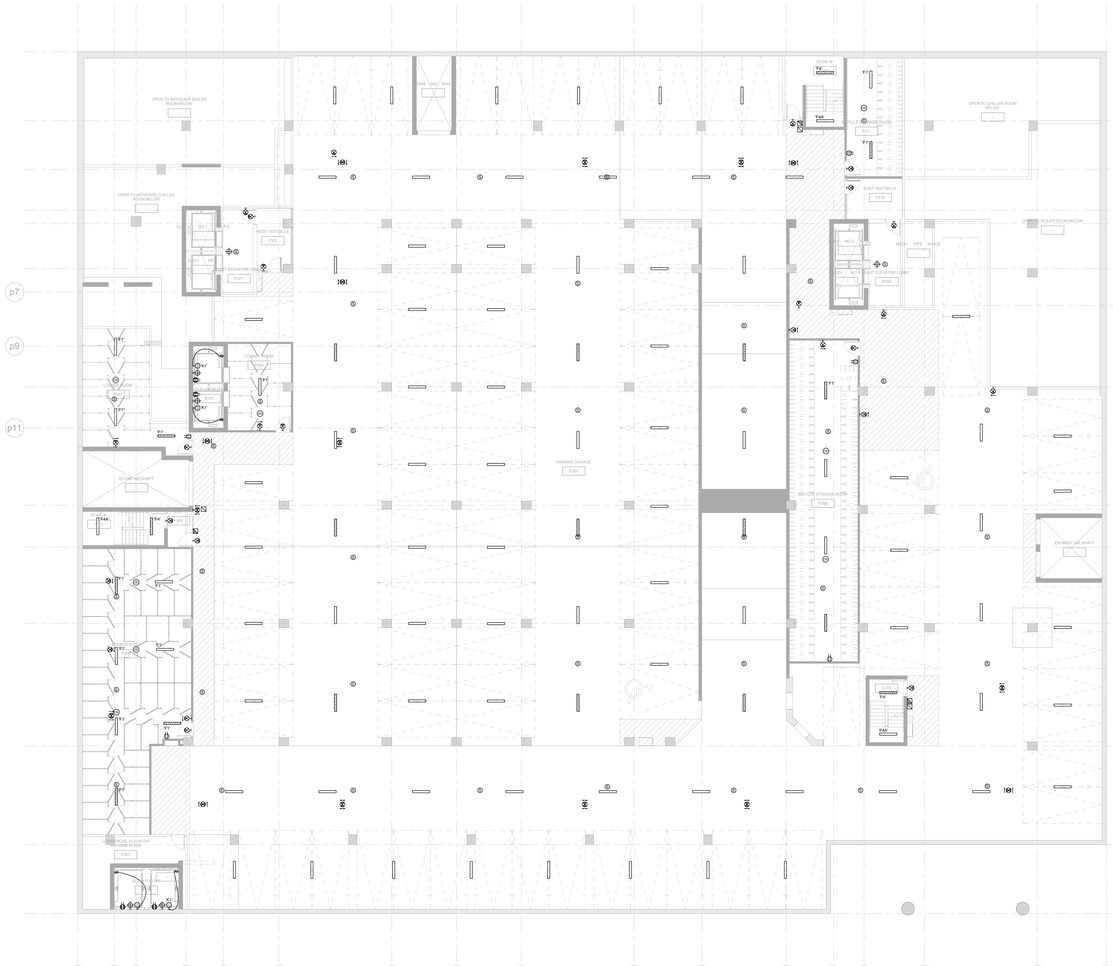
AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
ELECTRICAL SYMBOL LEGEND, DRAWING LIST & GENERAL NOTES

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: 05/28/12
Drawing No: E0-01

Plot Date: 30/04/2015 8:55:57 PM File Path: C:\Users\cadmin\Desktop\Revit Documents\8489D - Aquavista - MEP_mcbeath_2.rvt


OPEN TO ARTSCAPE BOILER ROOM BELOW
OPEN TO ARTSCAPE CHILLER ROOM BELOW
STAIR 'B'
TANK
VENT
EXHAUST AIR SHAFT
ELEVATOR MACHINE ROOM
P302
EAST VESTIBULE
P303
EAST ELEVATOR LOBBY
P301
MECH. PIPE SPACE
P305
EAST BOILER ROOM BELOW
P306
EAST CHILLER ROOM BELOW
P304
P307
P308
P309
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P312
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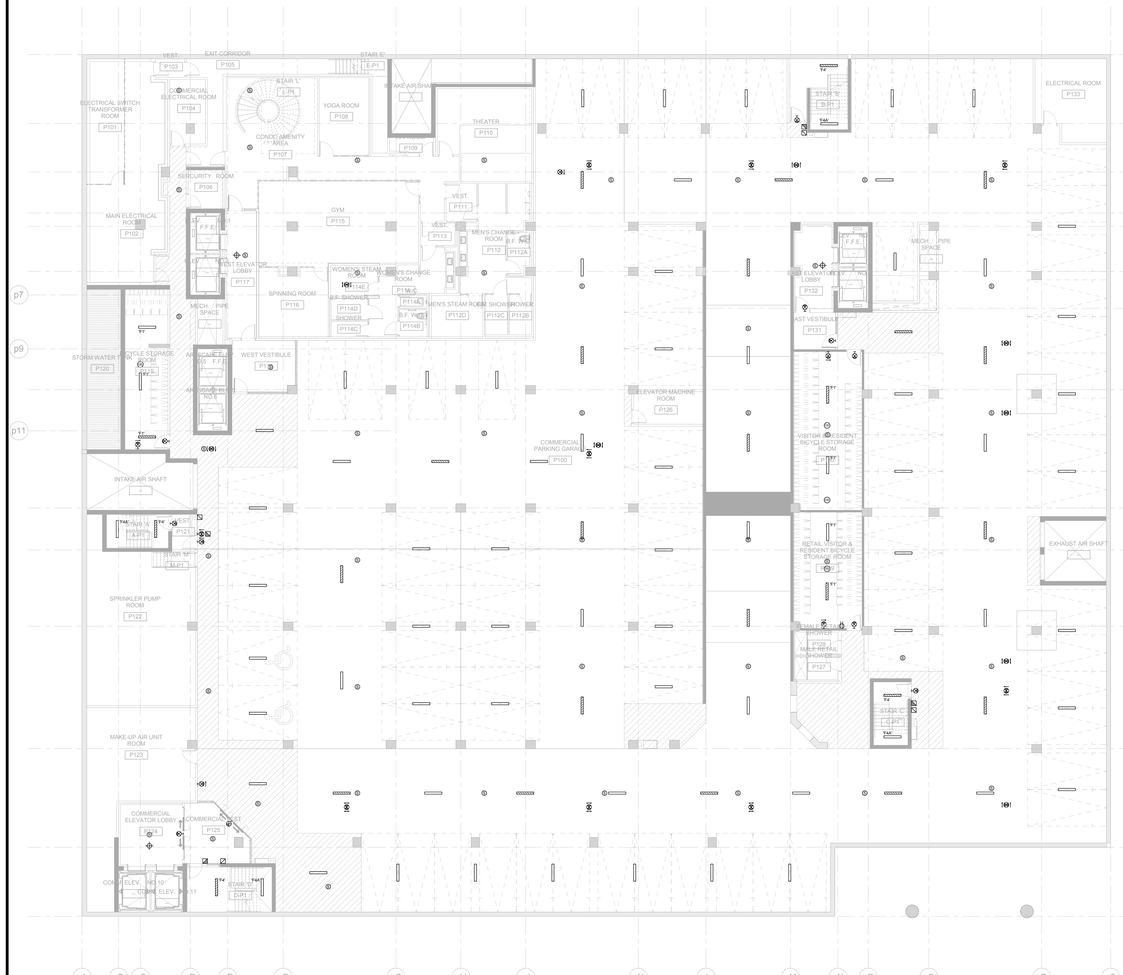
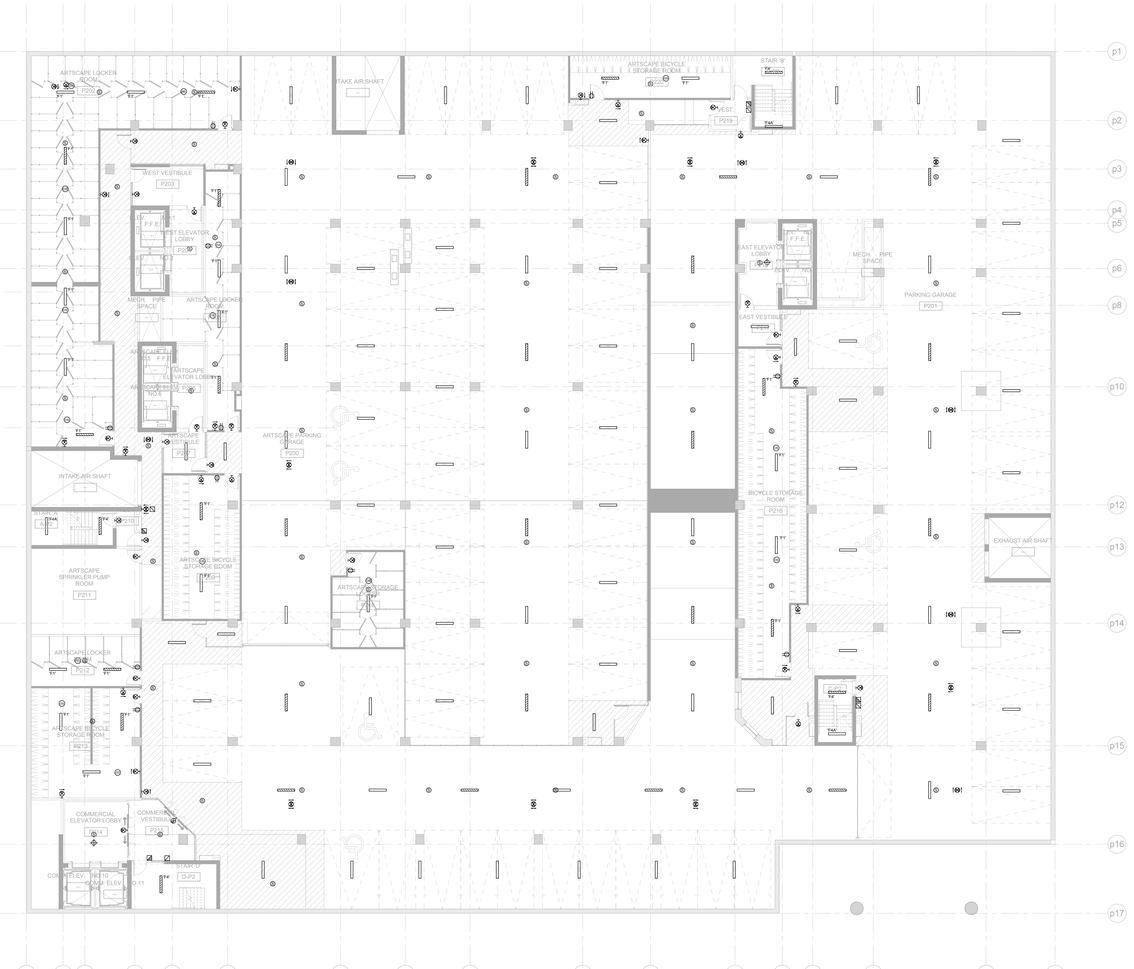


2 LEVEL P1 - ELECTRICAL
1 : 100



1 LEVEL P2 - ELECTRICAL
1 : 100

NOTES:

1. ALL GARAGE LIGHT FIXTURES SHALL BE TYPE 'P1' UNLESS OTHERWISE NOTED.
2. REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS.
3. 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 UNSWITCHED.
4. ALL EXIT SIGNS ON THIS DRAWING SHALL BE TYPE 'E1'.

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S.C.M. BELLAMY
100150
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PROVINCE OF ONTARIO

MCW
MCW Consultants Ltd.
207 Queen's Quay West, Suite 810, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-596-2930 Fax: 416-596-0394
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
Daughtry Retowski Tait Sahni John

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015-06-05

AQUAVISTA
AT BAYSIDE TORONTO

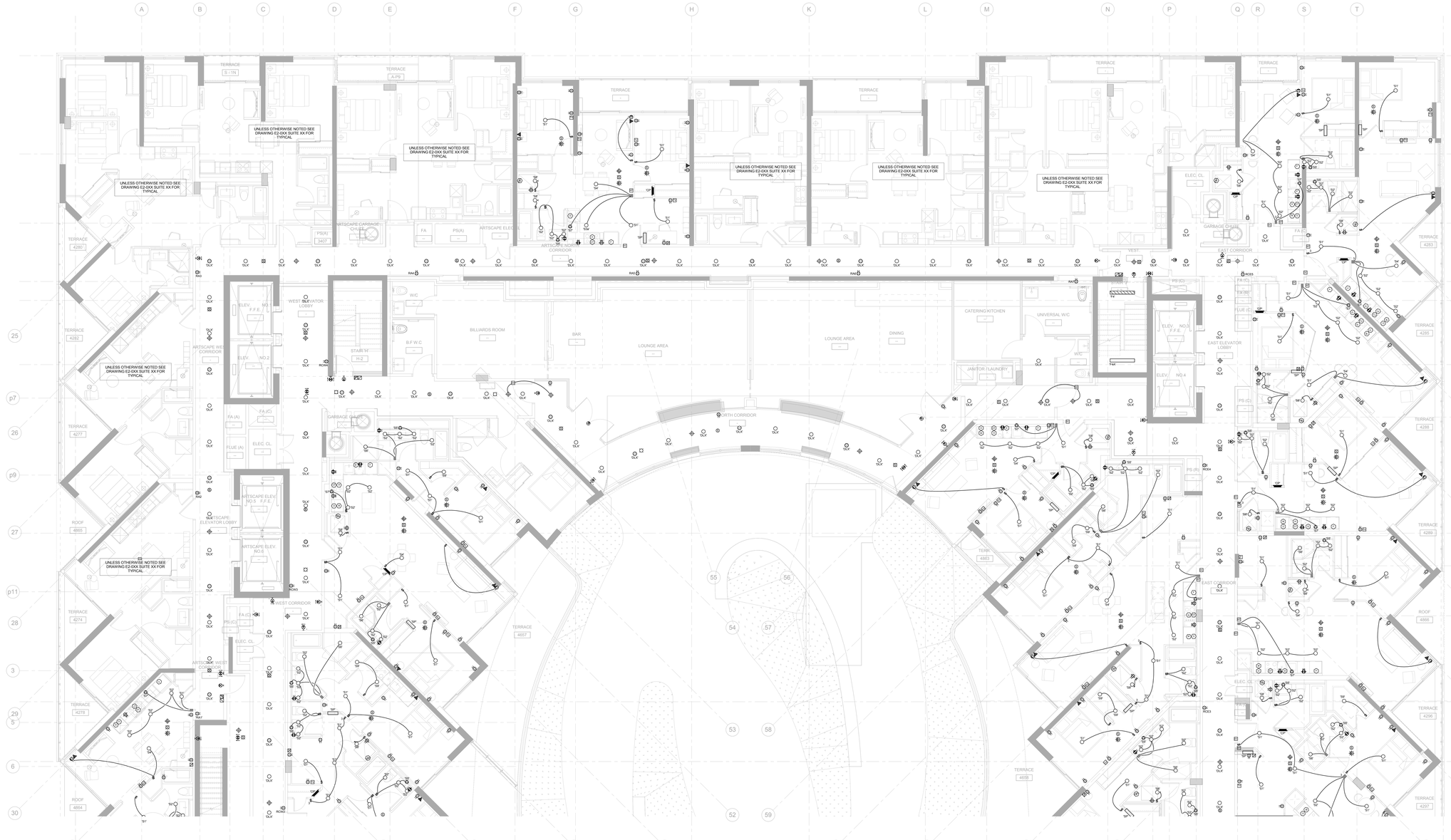
Drawing Title
LEVEL P2 & LEVEL P1 PARKING PLAN - ELECTRICAL

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

Scale: 1 : 100
Drawn by: Author
Checked by: Checker
Project No.: 8489D
Date: 03/06/15
Drawing No.: E1-02

N

Plot Date: 30/04/2015 4:35:17 PM File Path: C:\Users\cschmidt\Desk\8489D_AQUAVISTA_BARE - Revised to - MEP_schmidt_2015


UNLESS OTHERWISE NOTED SEE DRAWING E2-0XX SUITE XX FOR TYPICAL
TERRACE
ARTSCAPE GARBAGE CHUTE
ARTSCAPE NORTH CORRIDOR
ARTSCAPE WEST CORRIDOR
ARTSCAPE EAST CORRIDOR
ARTSCAPE ELEV. NO.1 F.F.E.
ARTSCAPE ELEV. NO.2
ARTSCAPE ELEV. NO.3 F.F.E.
ARTSCAPE ELEV. NO.4
ARTSCAPE ELEVATOR LOBBY
WEST ELEVATOR LOBBY
EAST ELEVATOR LOBBY
WEST CORRIDOR
EAST CORRIDOR
NORTH CORRIDOR
BILLIARDS ROOM
BAR
LOUNGE AREA
DINING
CATERING KITCHEN
JANITOR / LAUNDRY
UNIVERSAL W/C
W/C
B.F.W.C
GARBAGE CHUTE
ELEC CL
FLUE (A)
FLUE (C)
FLUE (D)
FA (A)
FA (C)
FA (D)
PS (C)
PS (D)
PS (R)
PS(A)
PS(M)
FA
ROOF
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4863
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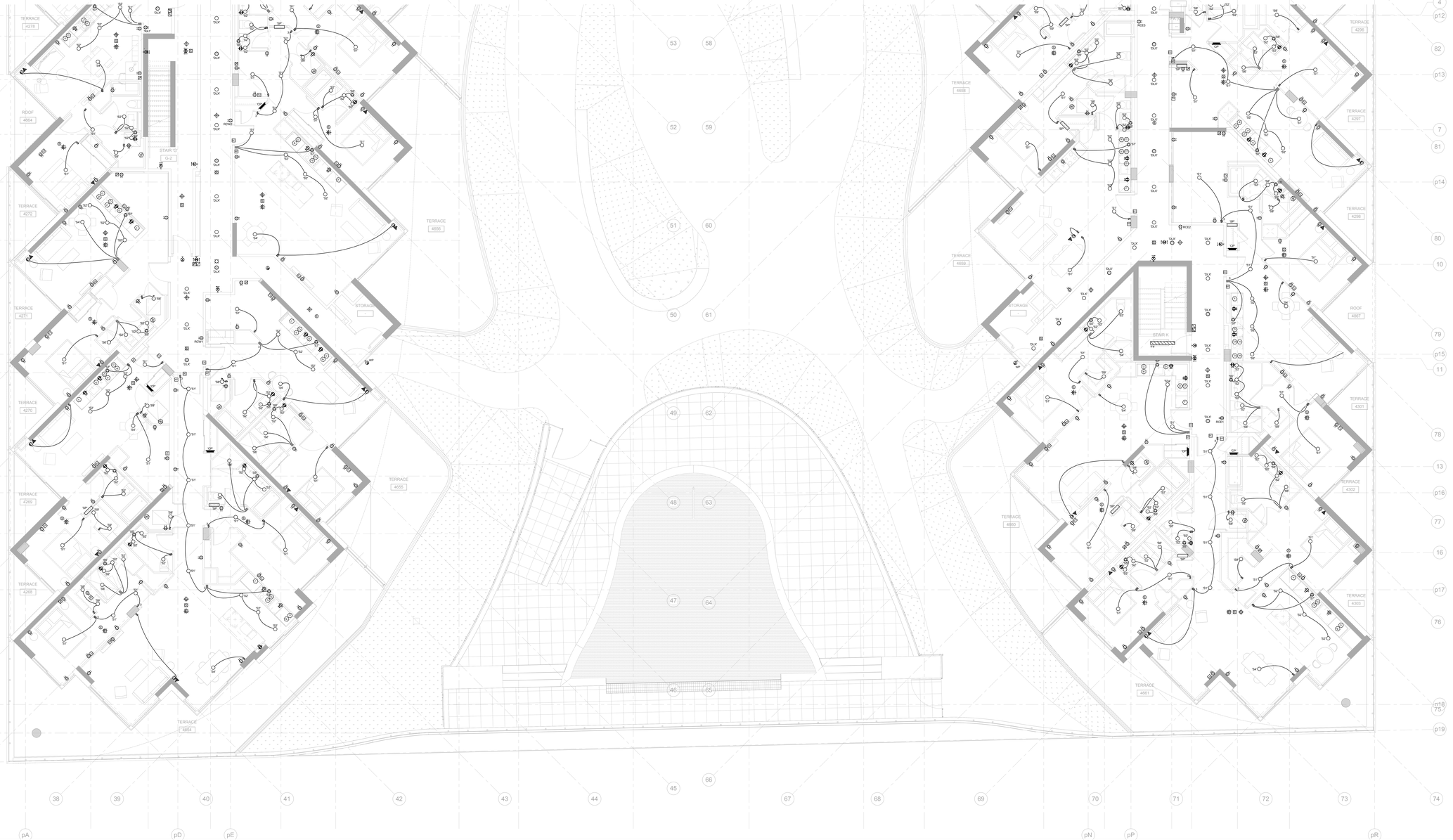

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E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-596-2930 Fax: 416-596-3394
Toronto Vancouver Winnipeg Moncton Ottawa Halifax Dayton Kelowna Hall Saint John

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015-09-25

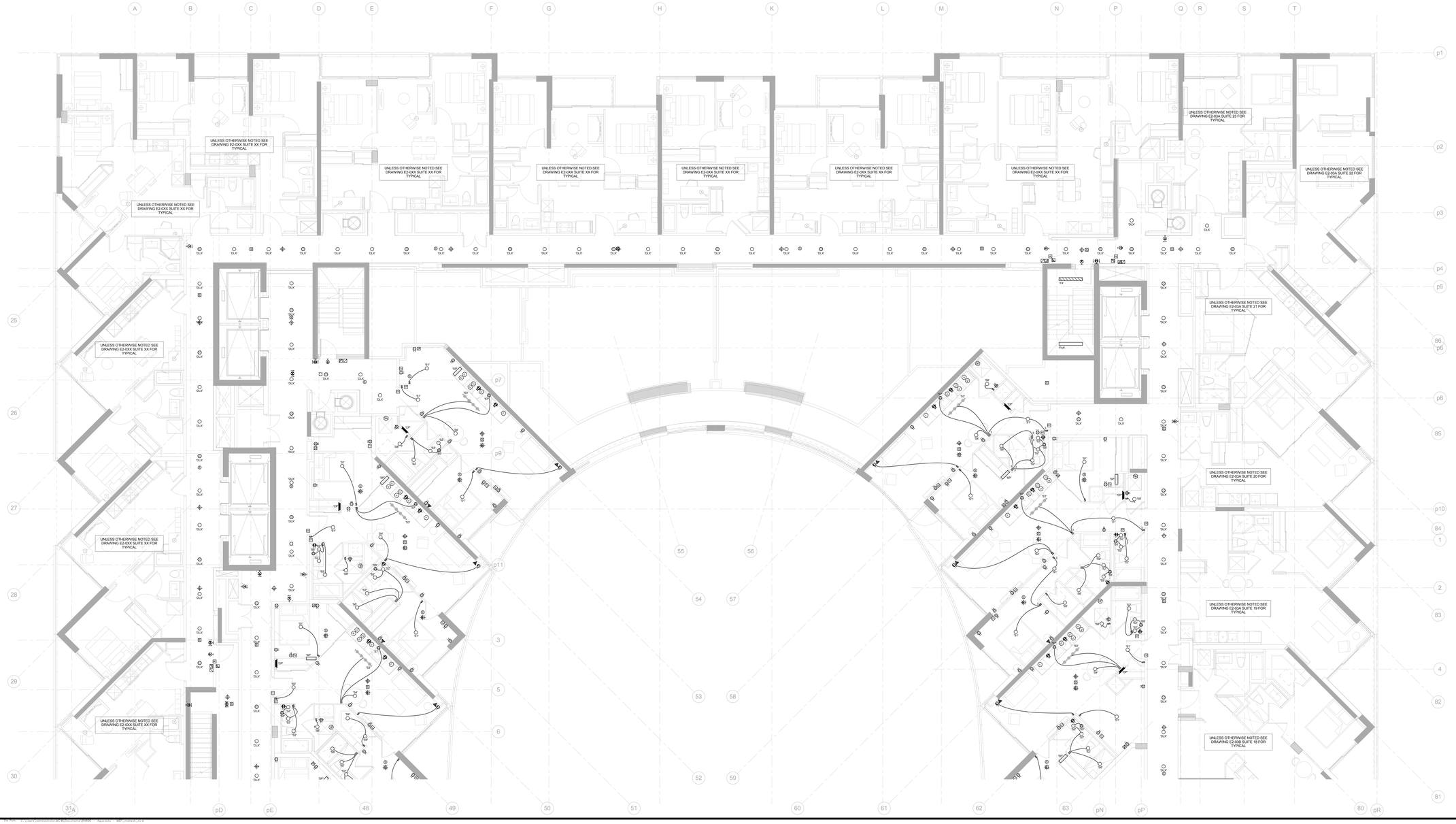
AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
LEVEL 2 FLOOR PLAN
SOUTH - ELECTRICAL

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-03B

Plot Date: 30.04.2015 4:25:19 PM File Path: C:\Users\jhamilton\Documents\MCW Documents\AQUAVISTA - Revised to 2015\E2-03B.dwg



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E-Mail: mcw_tor@mcw.com
Tel: 416-596-2930
Fax: 416-596-0394
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
Daughin Kerkwick Tsai Sahni John

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015-08-05

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 3 FLOOR PLAN
NORTH - ELECTRICAL

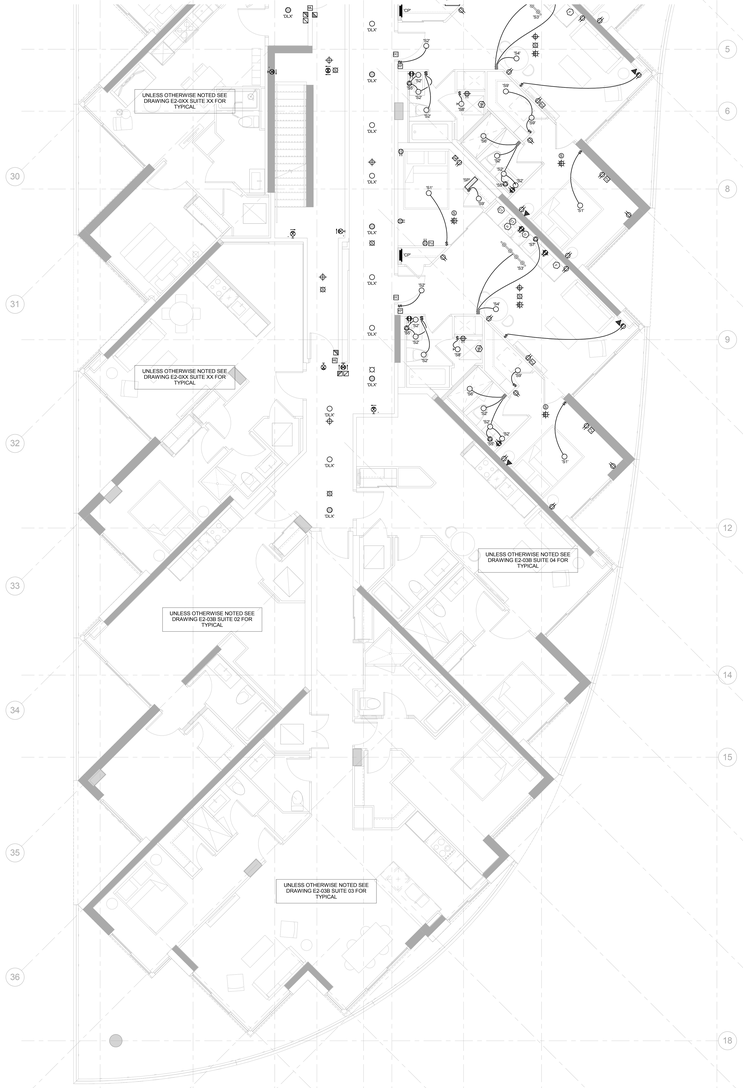
Project

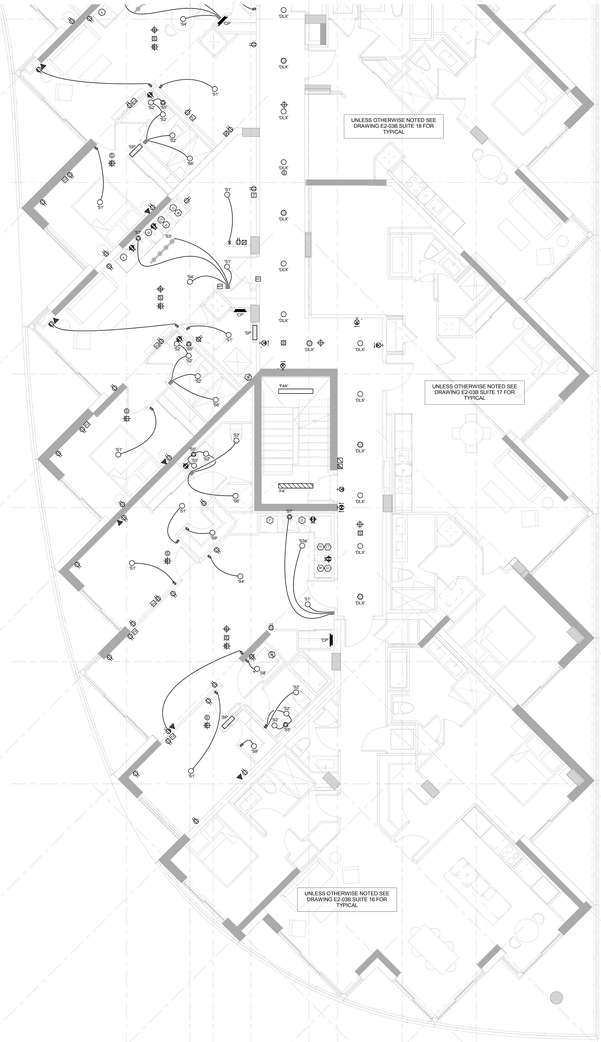
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	08/28/12
Drawing No.	E2-04A

N

Plot Date: 2015.08.05 8:39:39 PM File Path: C:\Users\johnsonkevin.ca\Documents\AVANU - Aquavista - MEP_revitwsb_2015





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S. C. M. BELLAMY
100150903
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MCW
MCW Consultants Ltd.
237 Queen's Quay West, Suite 815, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-2800 Fax: 416-598-3394
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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 3 FLOOR PLAN
SOUTH - ELECTRICAL

Project

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

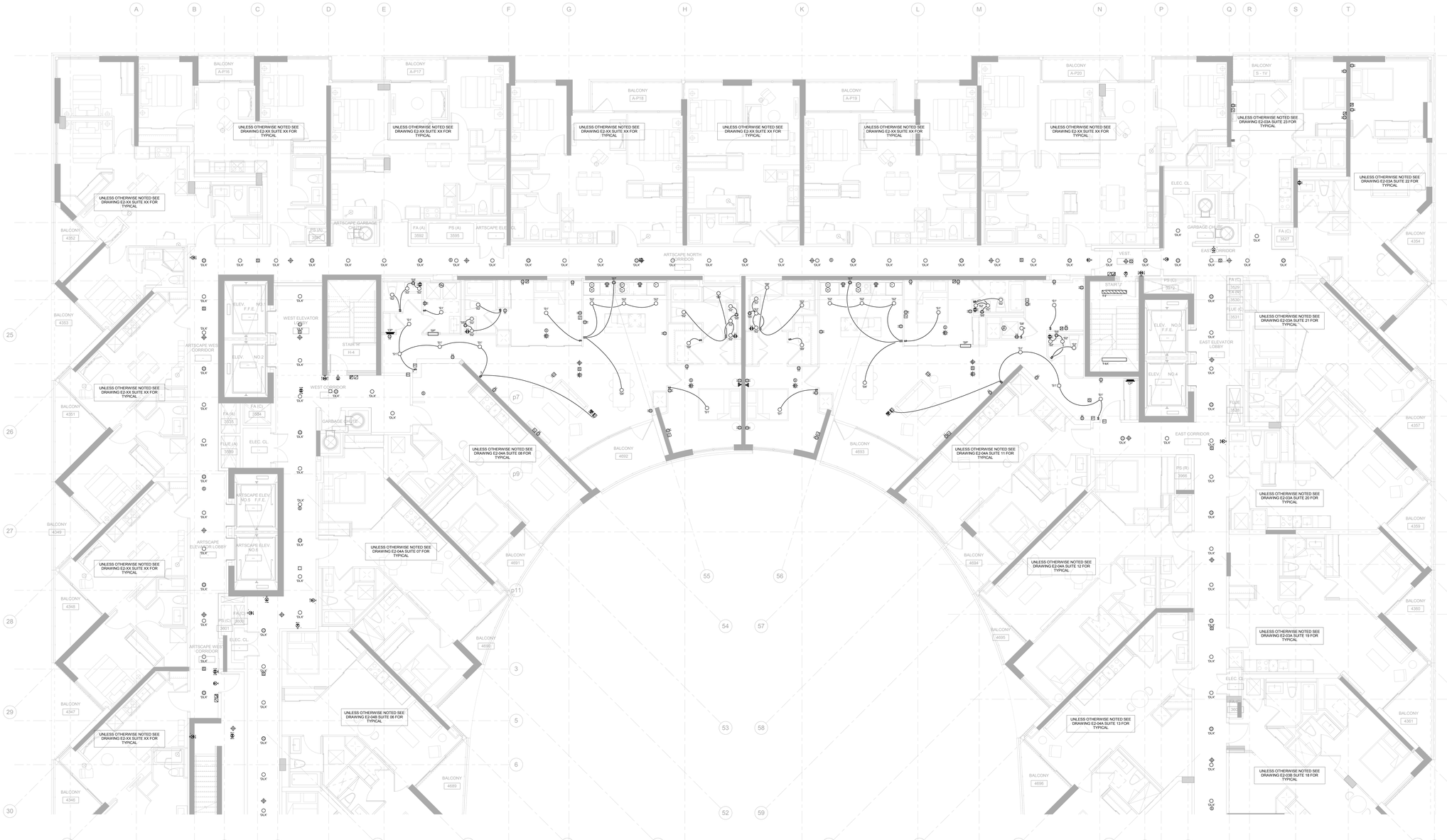
Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15

N

Drawing No.

E2-04B

Plot Date: 2015.09.25 8:29:48 PM File Path: C:\Users\jmcdonald\Documents\Revit\8489D_AQUAVISTA_R3R4_central_jmcdonald.rvt



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S. C. M. BELLAMY
100150855
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MCW Consultants Ltd.
207 Queen's Quay West, Suite 815, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com
Tel: 416-596-2930
Fax: 416-596-0394
Toronto Vancouver Winnipeg Moncton Ottawa Halifax Dayton Kelowna Hall Saint John

No.	Revision	Date
1	ISSUED FOR BUILDING PERMIT	2015-09-25

No.	Issued For	Date

AQUAVISTA
AT BAYSIDE TORONTO

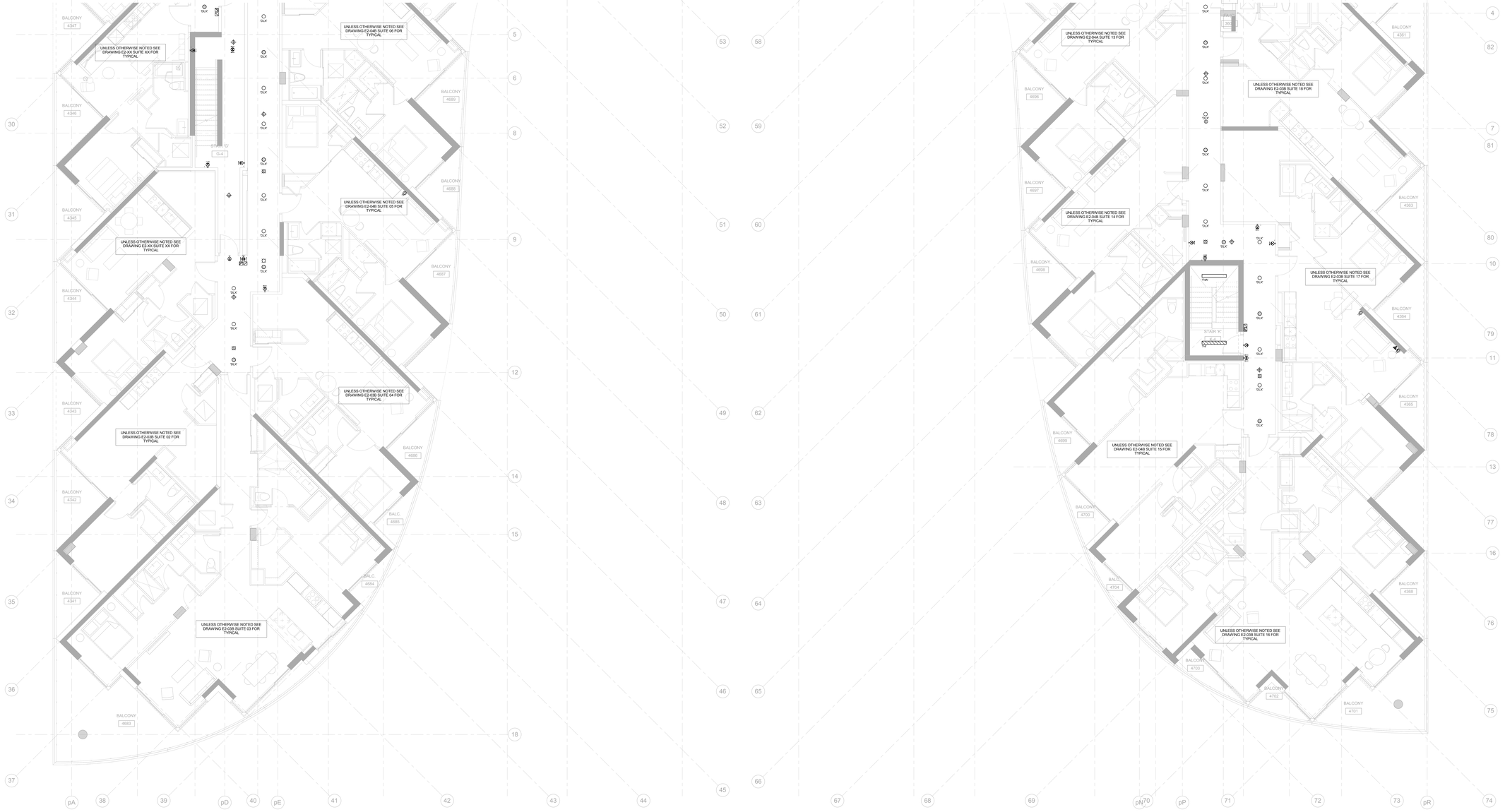
Drawing Title
LEVEL 4 FLOOR PLAN
NORTH - ELECTRICAL

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

Scale: 1 : 50
Drawn by: Author
Checked by: Checker
Project No.: 8489D
Date: 03/09/15
Drawing No.: E2-05A

N

Plot Date: 2015.09.25 8:39:48 PM File Path: C:\Users\cmbellamy\Desk 3D Documents\8489D - Aquavista - MEP_mbellamy_2.rvt



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Tel: 416-598-2800 Fax: 416-598-5384
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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

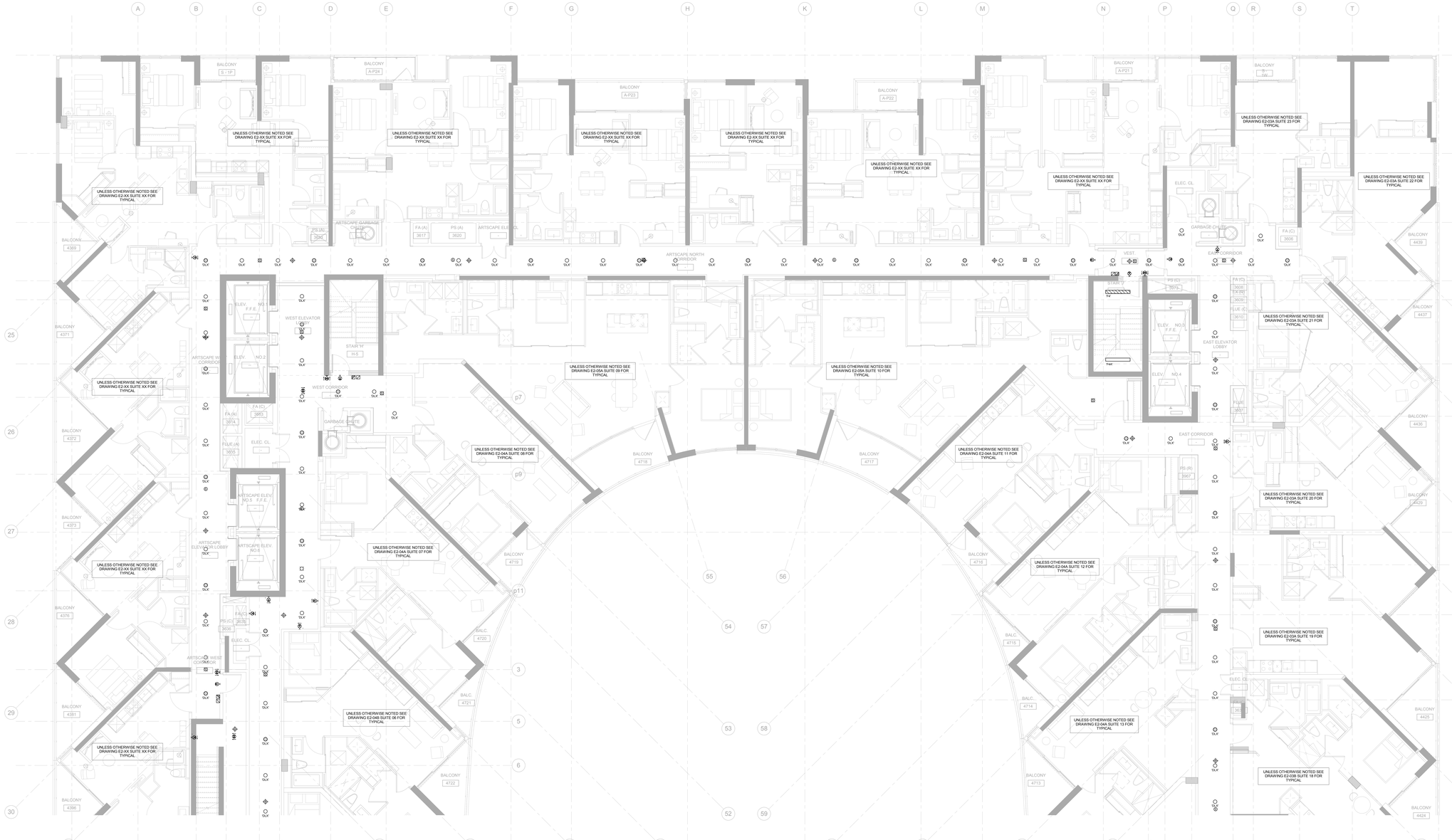
AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
LEVEL 4 FLOOR PLAN
SOUTH - ELECTRICAL

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

Scale: 1 : 50
Drawn by: Author
Checked by: Checker
Project No: 8489D
Date: 03/09/15
Drawing No: E2-05B

Plot Date: 30.04.2015 8:28:58 PM File Path: C:\Users\jmcdonald\Desktop\Documents\8489D - Aquavista - MEP_mcdonajh_R19.rvt



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S. C. M. BELLAMY
100150
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MCW Consultants Ltd.
217 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-2800 Fax: 416-598-3394
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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

AQUAVISTA
AT BAYSIDE TORONTO

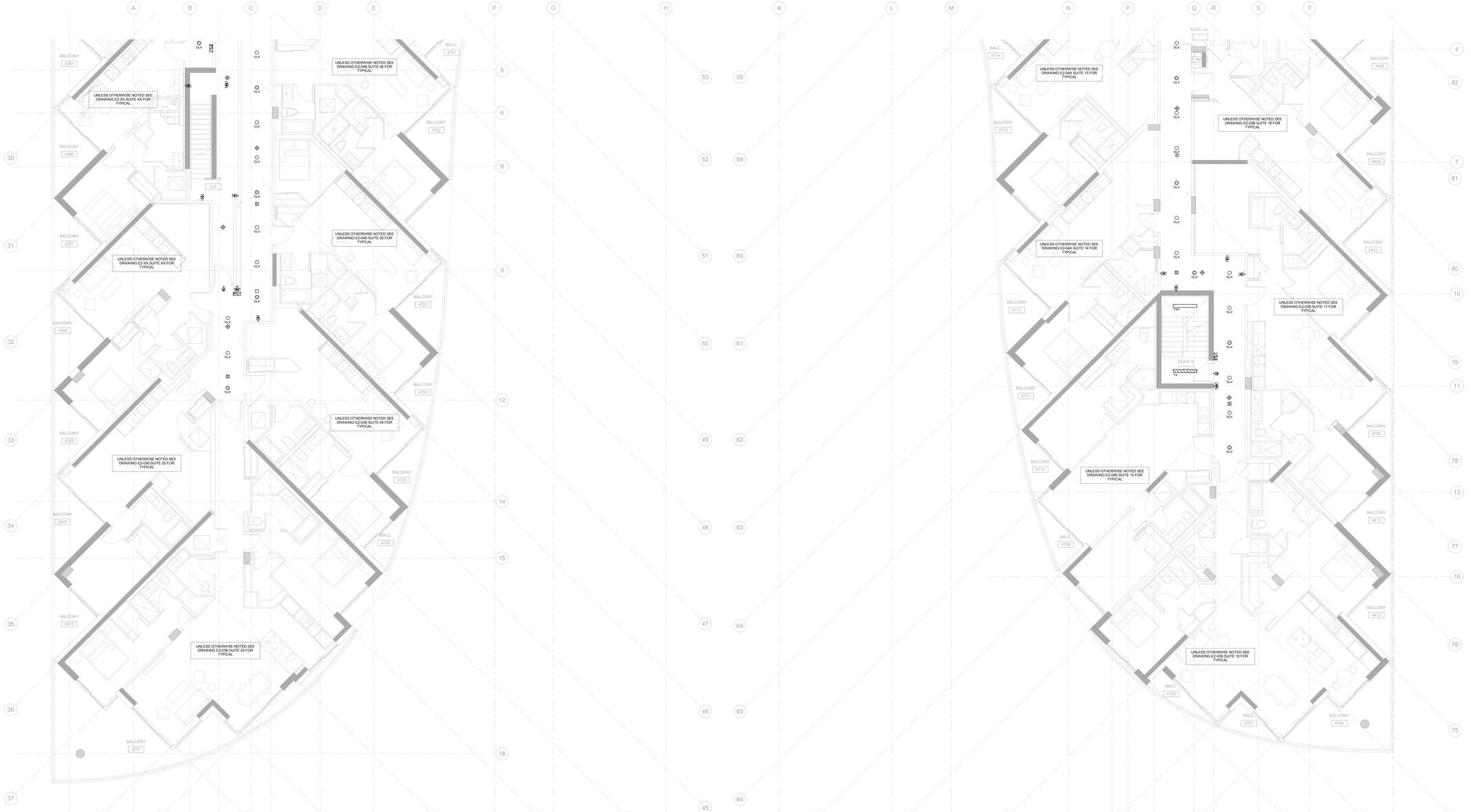
Drawing Title
LEVEL 5 FLOOR PLAN
NORTH - ELECTRICAL

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15

Drawing No.
E2-06A

Plot Date: 30.04.2015 4:35:55 PM File Path: C:\Users\jbellamy\Desktop\8489D_Aquavista - Block 3 - R3 & R4_Architectural_2015.rvt



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207 Queen's Quay West, Suite 810, Toronto, ON, M5J 1A7
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Tel: 416-596-2930 Fax: 416-596-0394
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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

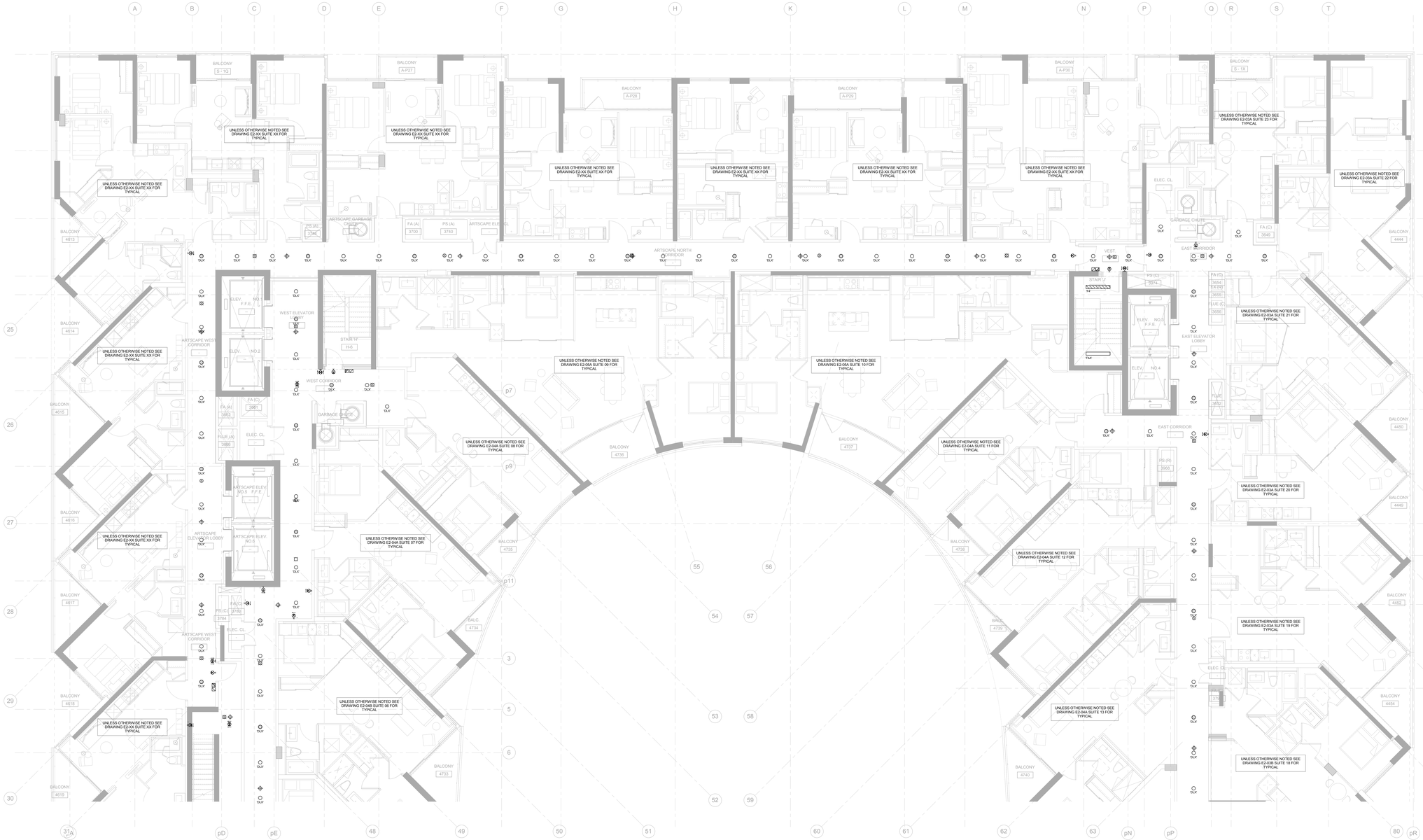
AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
LEVEL 5 FLOOR PLAN
SOUTH - ELECTRICAL

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

Scale: 1 : 50
Drawn by: Author
Checked by: Checker
Project No.: 8489D
Date: 03/09/15
Drawing No.: E2-06B

Plot Date: 2015.09.25 8:31:00 PM File Path: C:\Users\johnmelchior.BKP\Documents\8489D - Aquavista - MEP_melchiorj.rvt



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MCW Consultants Ltd.
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E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-2800 Fax: 416-598-3284
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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015-09-25

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 6 FLOOR PLAN
NORTH - ELECTRICAL

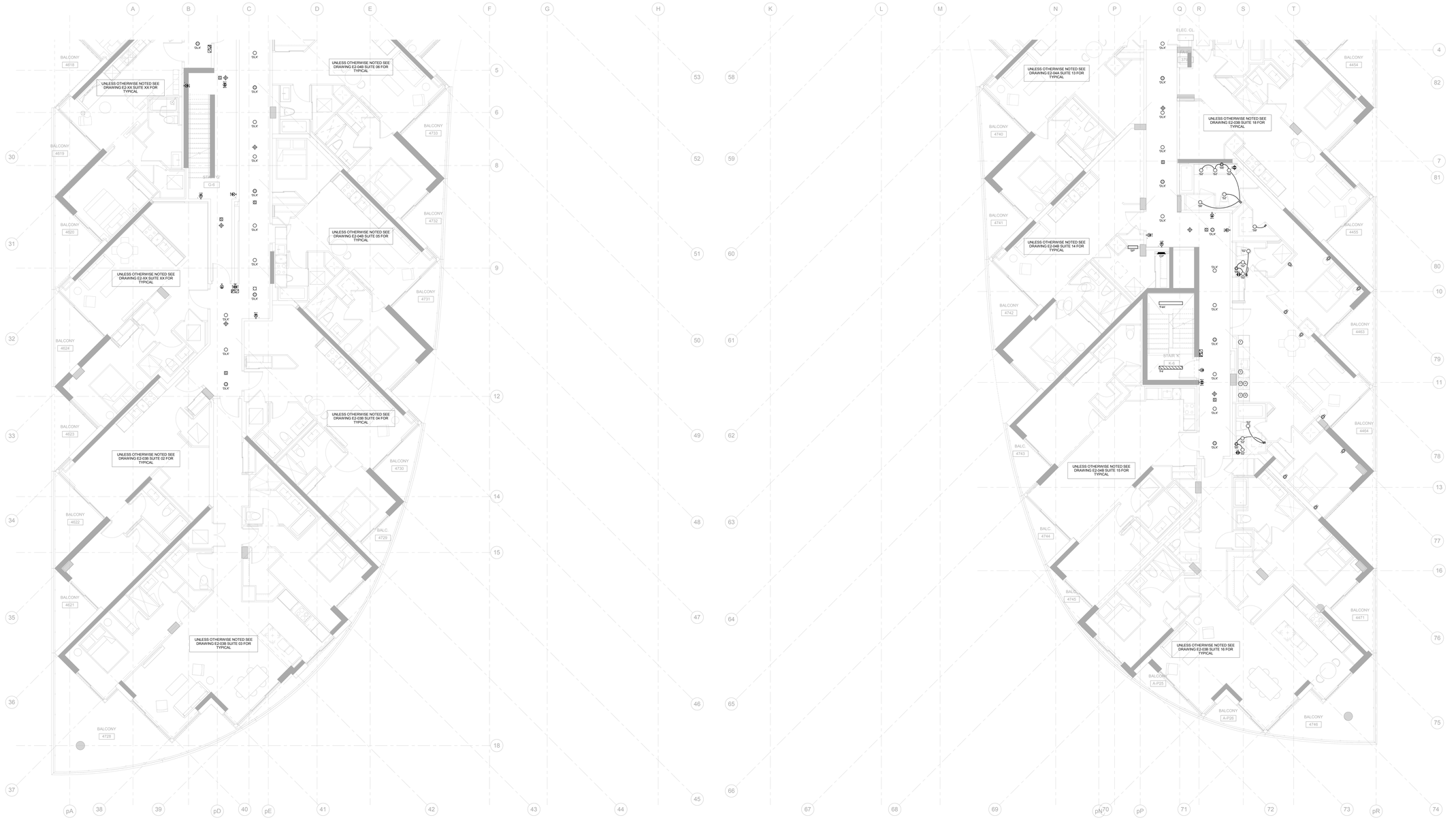
Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-07A

N

Plot Date: 2015.09.25 8:47:05 PM File Path: C:\Users\jsimonovic\Documents\ARCHI - Aquavista - 15_jsimonovic_2015



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207 Queen's Quay West, Suite 816, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com — www.mcw.com
Tel: 416-598-2800 — Fax: 416-598-5384
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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 6 FLOOR PLAN
SOUTH - ELECTRICAL

Project

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

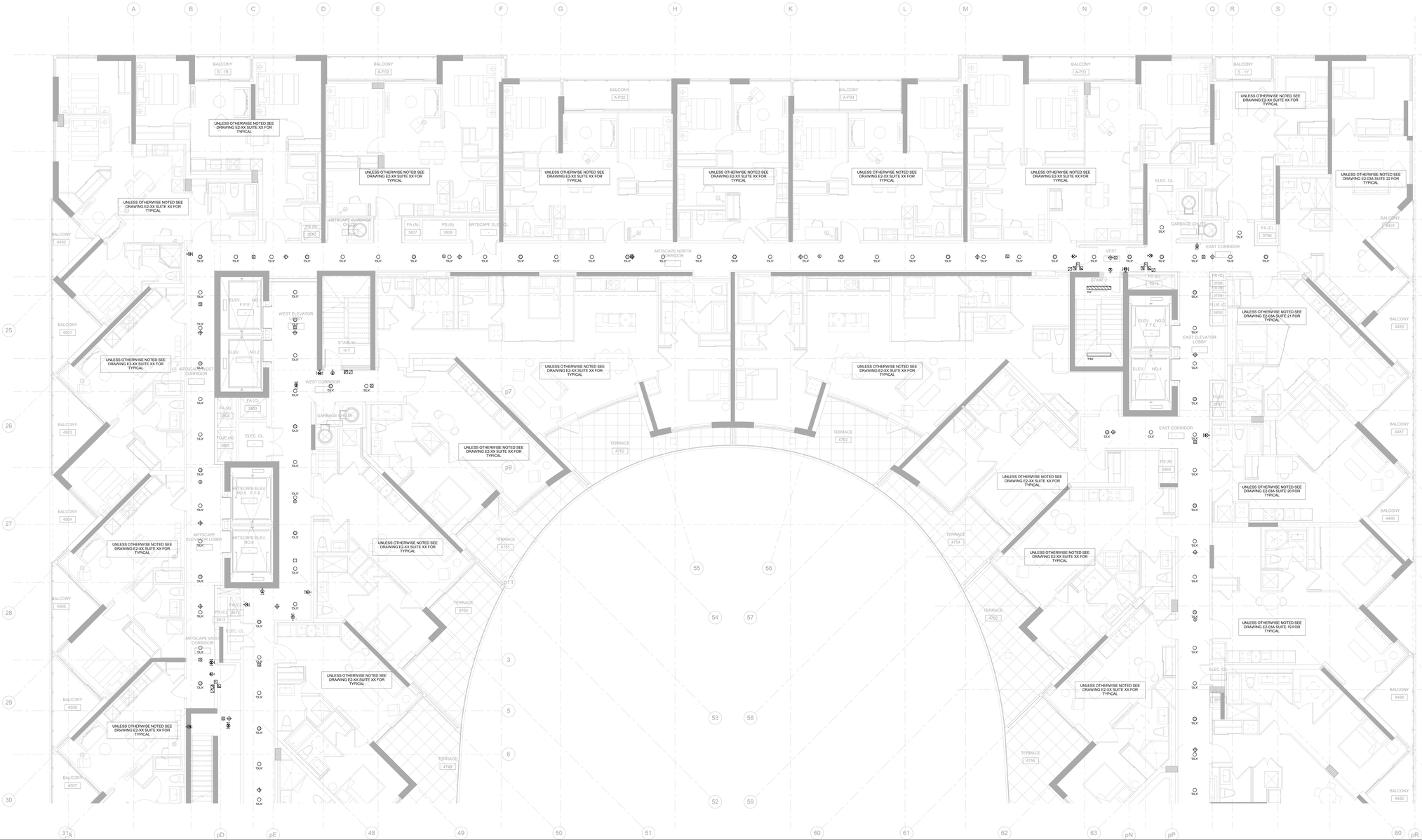
Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15

N

Drawing No.

E2-07B

Plot Date: 2015.09.25 8:21:10 PM File Path: C:\Users\johnmcilwain.MCW\Documents\AVRD - Aquavista - MEP_mcilwain_2015



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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.04

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

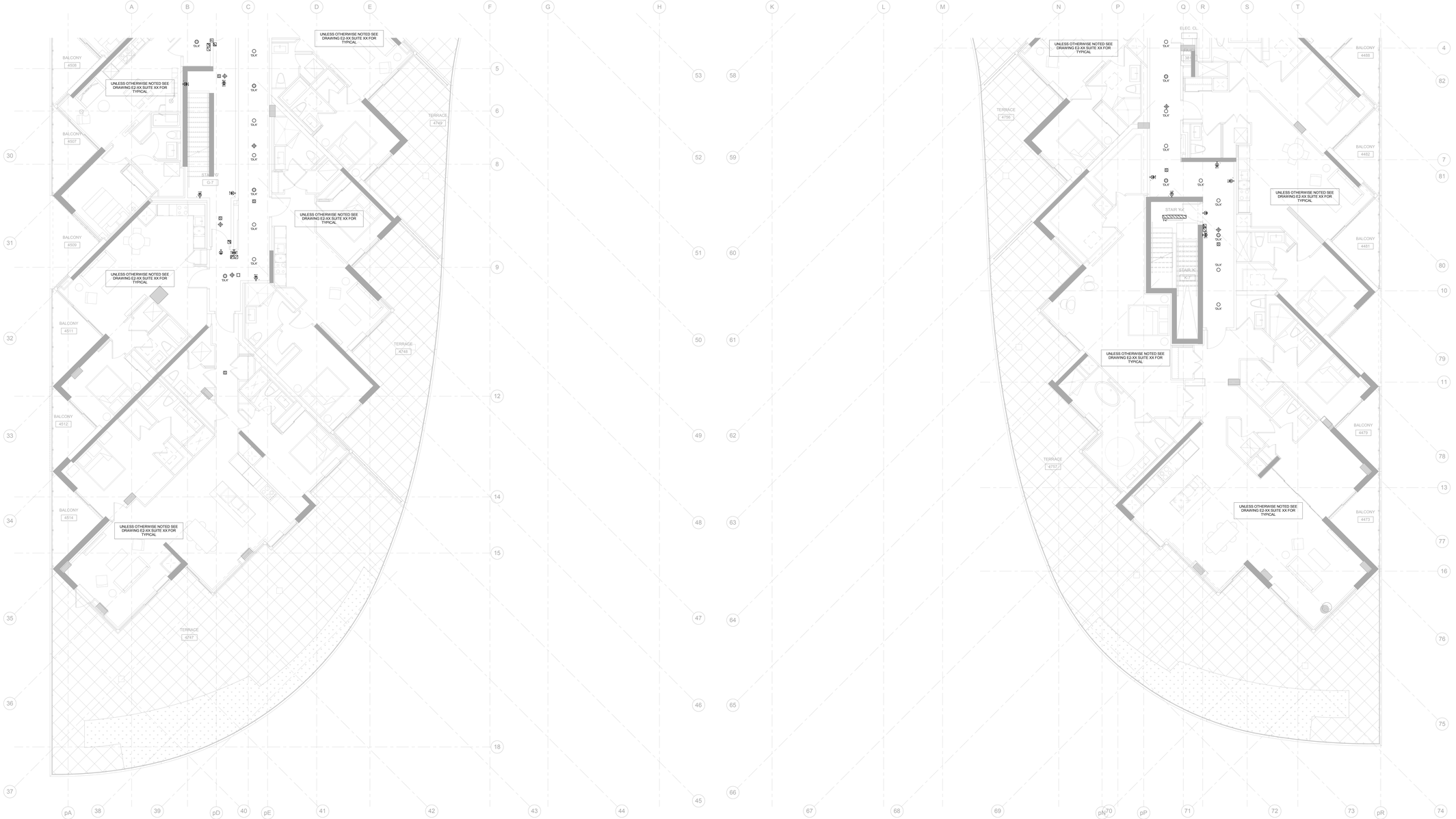
LEVEL 7 FLOOR PLAN
NORTH - ELECTRICAL

Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-08A

N



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Fax: 416-598-3394

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.06.05

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

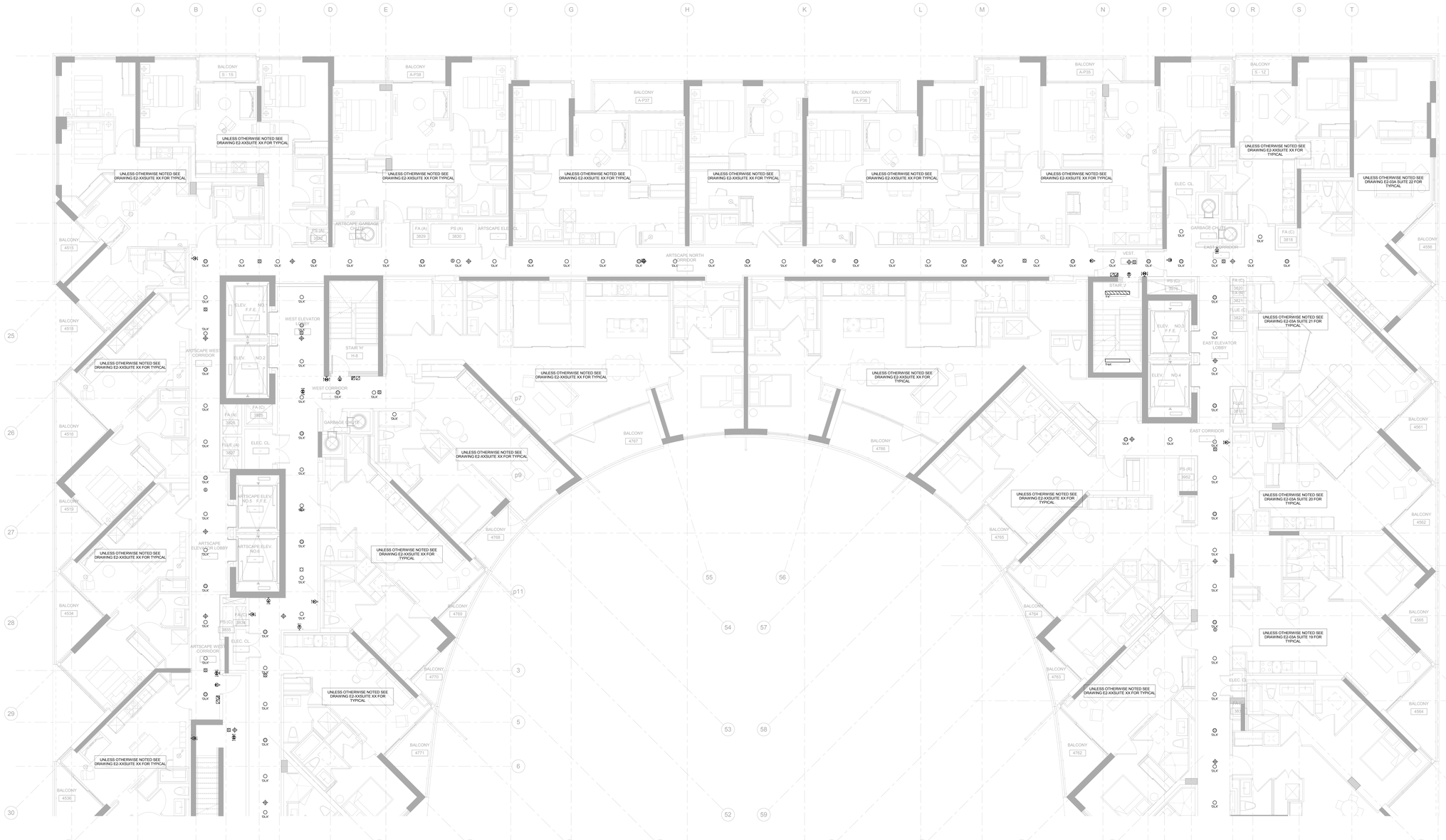
LEVEL 7 FLOOR PLAN
SOUTH - ELECTRICAL

Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-08B

Plot Date: 2015.06.05 8:31:39 PM File Path: C:\Users\cbellamy\Desk\Documents\8489D - Aquavista - MEP_cbellamy_2015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BALCONY A-P38
BALCONY A-P37
BALCONY A-P36
BALCONY A-P35
BALCONY S - 1Z
UNLESS OTHERWISE NOTED SEE DRAWING E2-XXSUITE XX FOR TYPICAL
UNLESS OTHERWISE NOTED SEE DRAWING E2-02A SUITE 22 FOR TYPICAL
UNLESS OTHERWISE NOTED SEE DRAWING E2-02A SUITE 21 FOR TYPICAL
UNLESS OTHERWISE NOTED SEE DRAWING E2-02A SUITE 20 FOR TYPICAL
UNLESS OTHERWISE NOTED SEE DRAWING E2-02A SUITE 19 FOR TYPICAL
ARTSCAPE GARBAGE CHUTE
ARTSCAPE EAST CORRIDOR
ARTSCAPE NORTH CORRIDOR
ARTSCAPE WEST CORRIDOR
ARTSCAPE ELEV. LOBBY
ARTSCAPE ELEV. NO.5 F.F.E.
ARTSCAPE ELEV. NO.6
ELEV. NO.1 F.F.E.
ELEV. NO.2
ELEV. NO.3 F.F.E.
ELEV. NO.4
WEST ELEVATOR LOBBY
EAST ELEVATOR LOBBY
WEST CORRIDOR
EAST CORRIDOR
STAIR 'H'
STAIR 'J'
GARBAGE CHUTE
ELEC. CL
PS (A) 3830
FA (A) 3829
FA (C) 3826
FA (C) 3825
FUE (A) 3827
PS (C) 3824
FA (C) 3834
PS (C) 3833
PS (C) 3976
FA (C) 3820
EX (W) 3821
FUE (C) 3822
PS (R) 3952
FA (C) 3818
BALCONY 4515
BALCONY 4518
BALCONY 4516
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BALCONY 4534
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BALCONY 4556
BALCONY 4561
BALCONY 4562
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BALCONY 4766
BALCONY 4768
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BALCONY 4770
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BALCONY 4762
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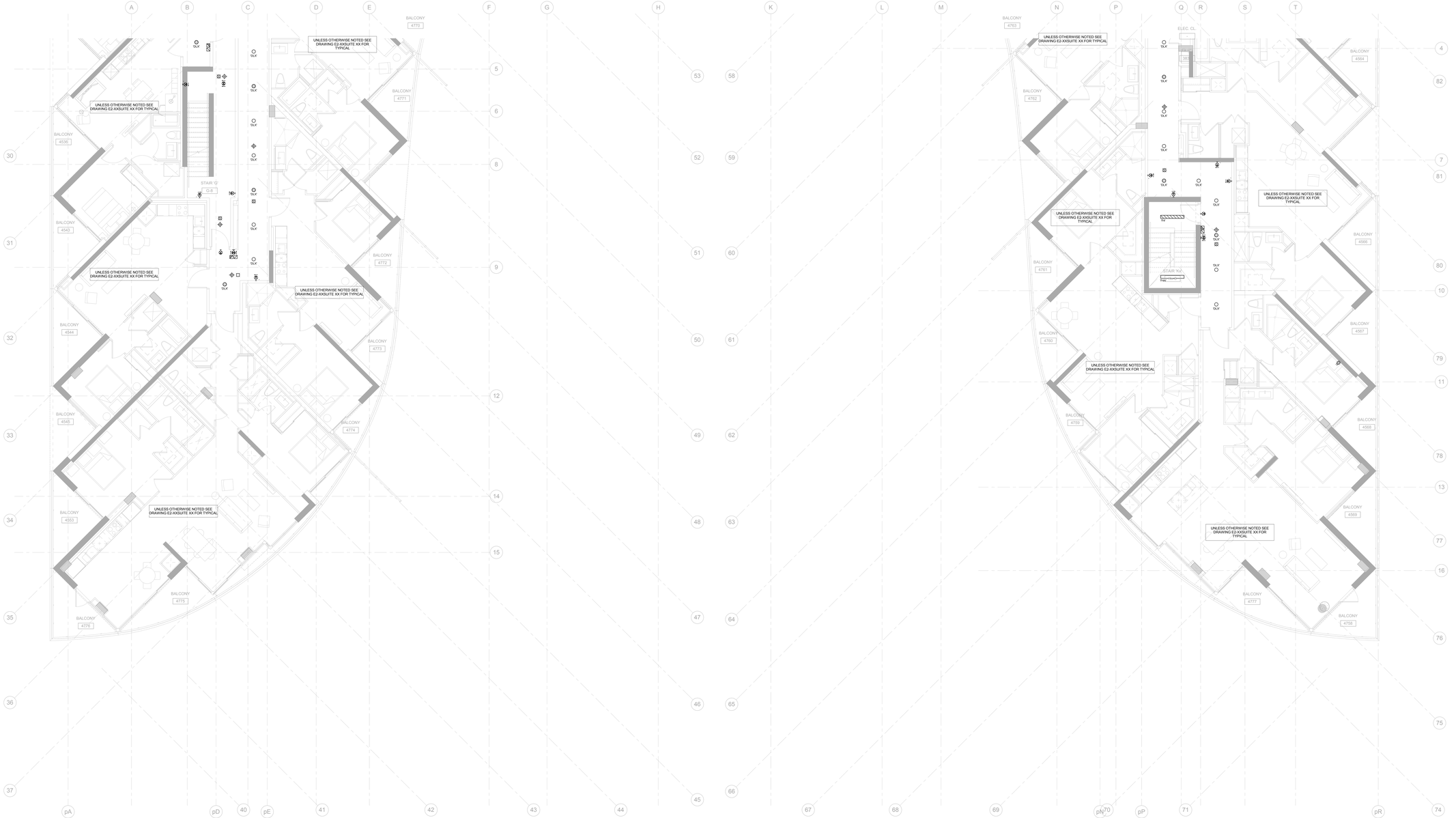

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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 8 FLOOR PLAN
SOUTH - ELECTRICAL

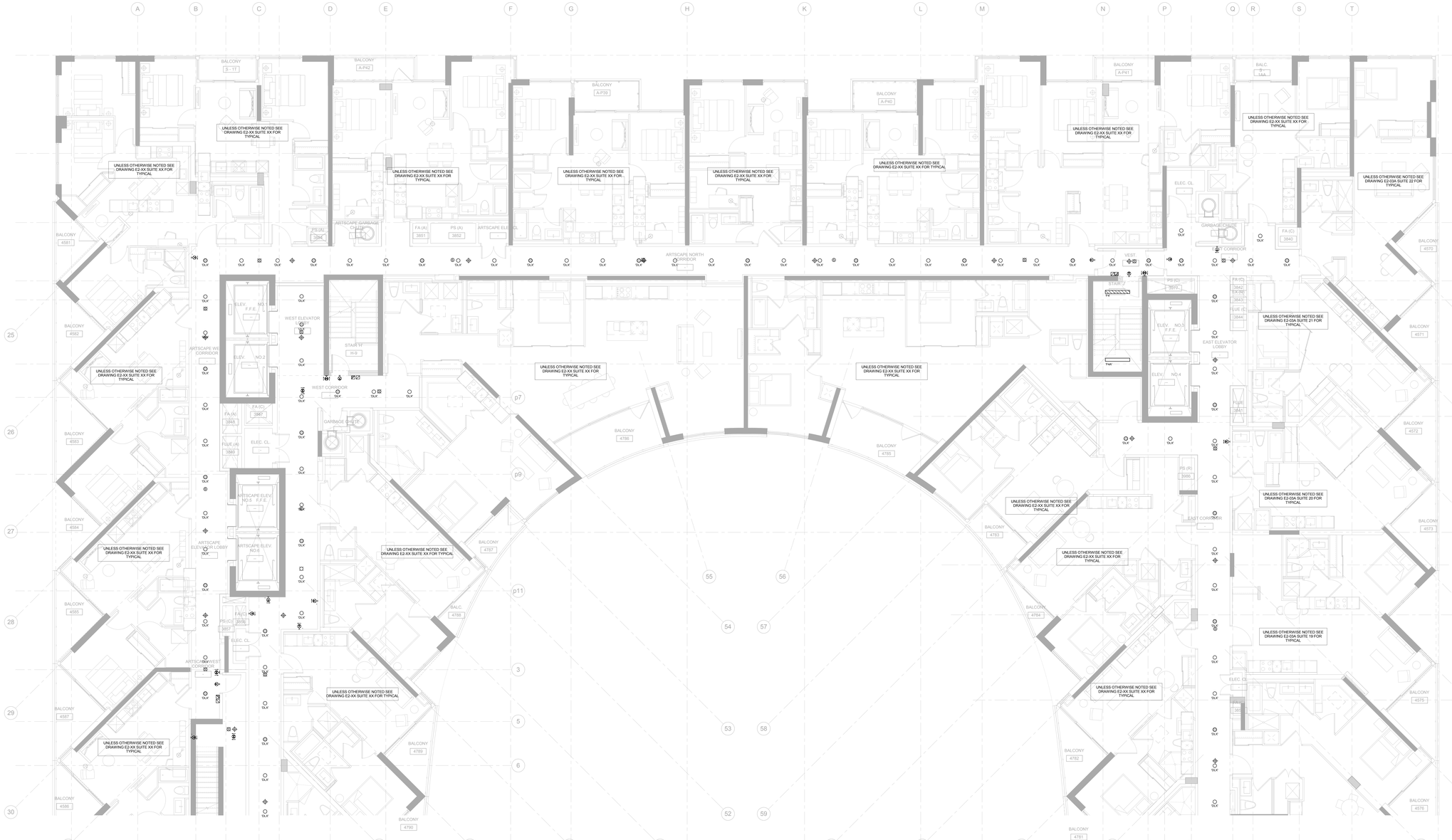
Project

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

Scale: 1 : 50
Drawn by: Author
Checked by: Checker
Project No: 8489D
Date: 03/09/15
Drawing No:

E2-09B

Plot Date: 30.04.2015 4:21:19 PM File Path: C:\Users\johnmolson.MCW\Documents\AVRO - Aquavista - MEP_molson_2015



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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.04

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

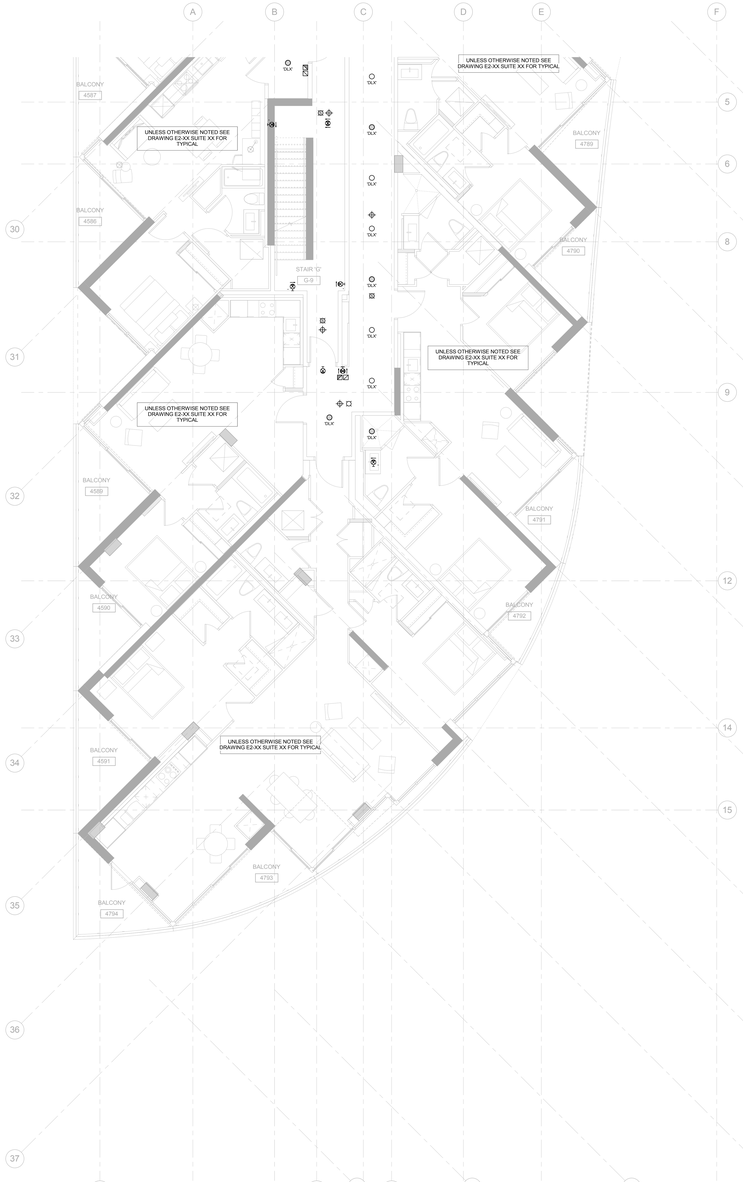
LEVEL 9 FLOOR PLAN
NORTH - ELECTRICAL

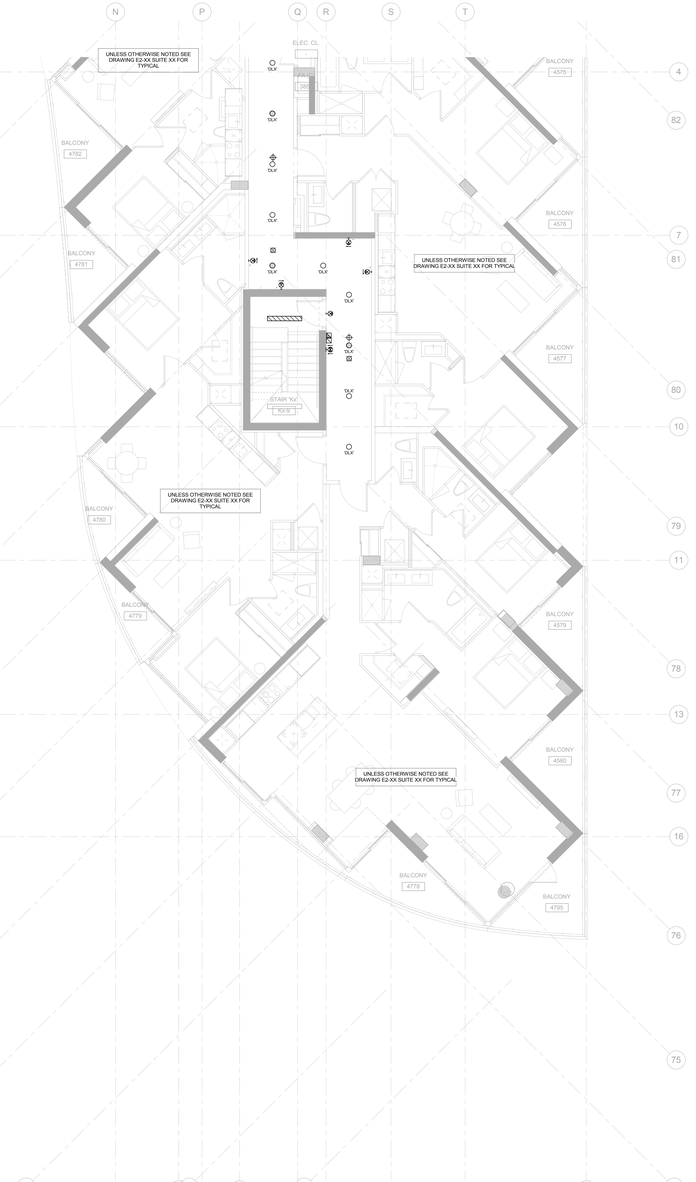
Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-010A

Plot Date: 2015.09.04 9:31:34 PM File Path: C:\Users\jmcmullen\Dropbox\Projects\8489D - Aquavista - 3BP_Jmcmullen.rvt





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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.04

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 9 FLOOR PLAN
SOUTH - ELECTRICAL

Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-010B

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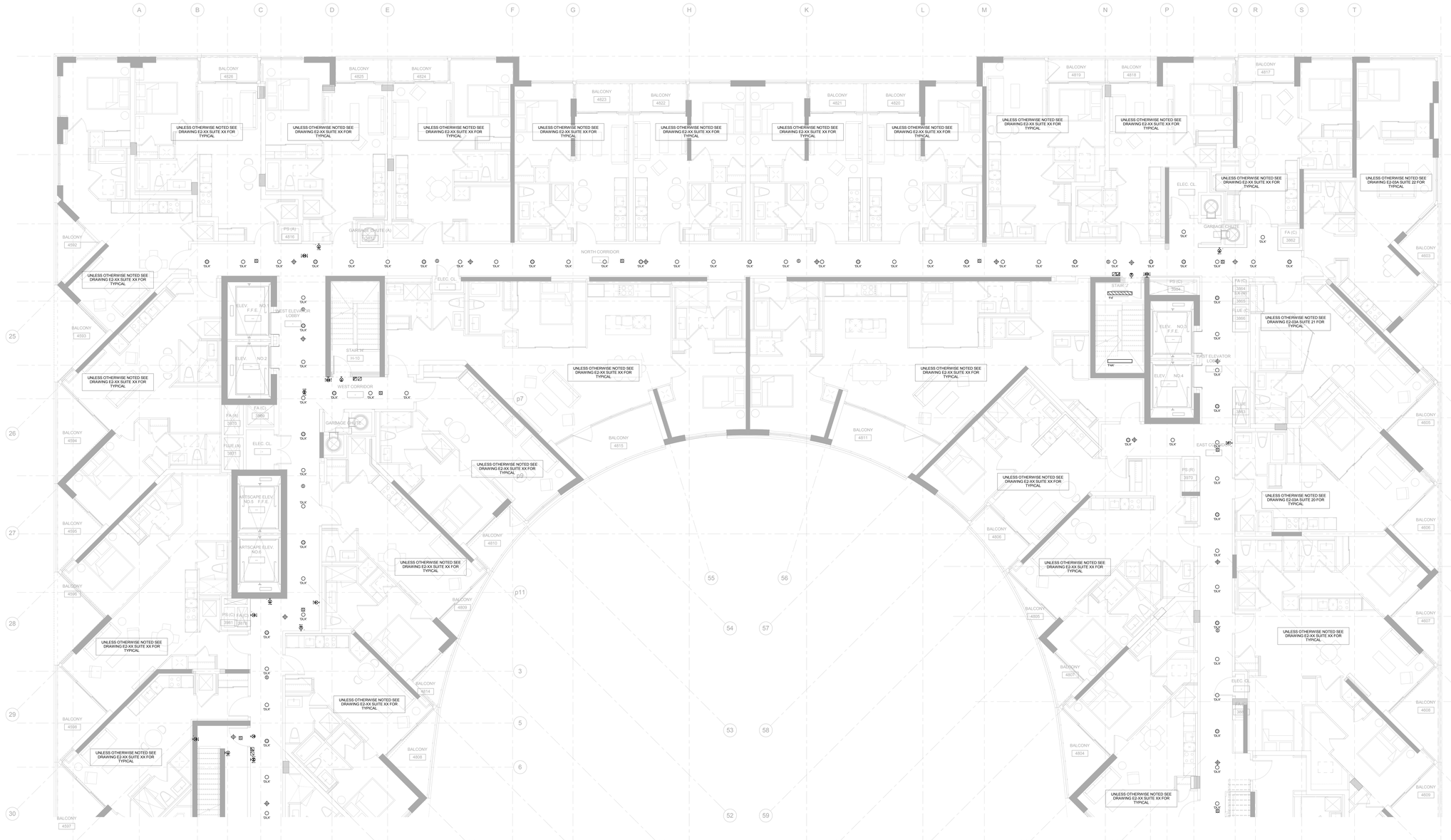

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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.06.05

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

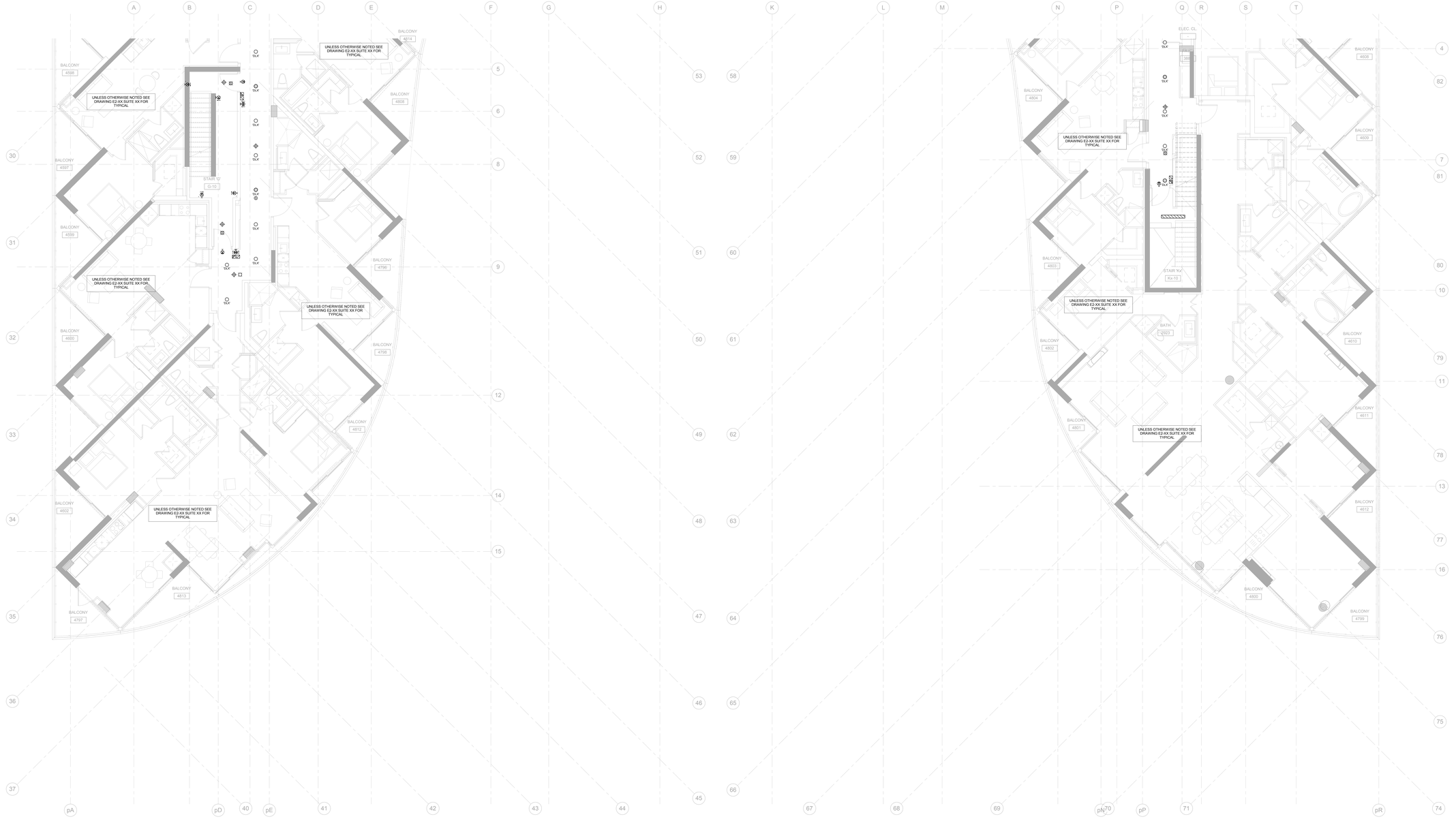
LEVEL 10 FLOOR PLAN
NORTH - ELECTRICAL

Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-11A

Plot Date: 3/9/15 4:31:43 PM File Path: C:\Users\jcarmichael\Documents\Revit\8489D_Aquavista_MEP_Jcarmichael.rvt



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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.04

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 10 FLOOR PLAN
SOUTH - ELECTRICAL

Project

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

Scale: 1 : 50
Drawn by: Author
Checked by: Checker
Project No: 8489D
Date: 03/09/15
Drawing No:

E2-11B

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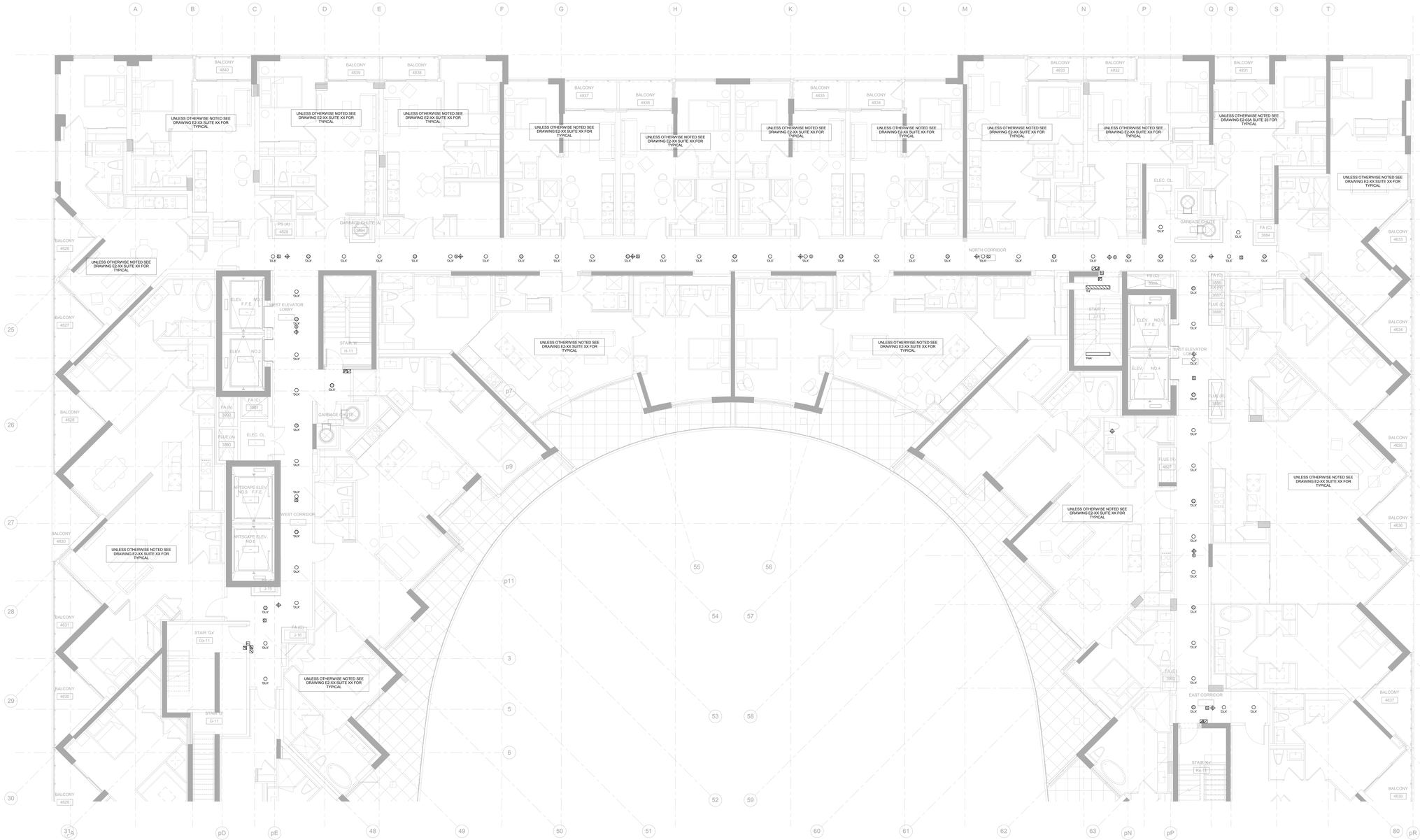

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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 11 FLOOR PLAN
NORTH - ELECTRICAL

Project

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

Scale: 1 : 50
Drawn by: Author
Checked by: Checker
Project No.: 8488D
Date: 03/09/15
Drawing No.: E2-12A

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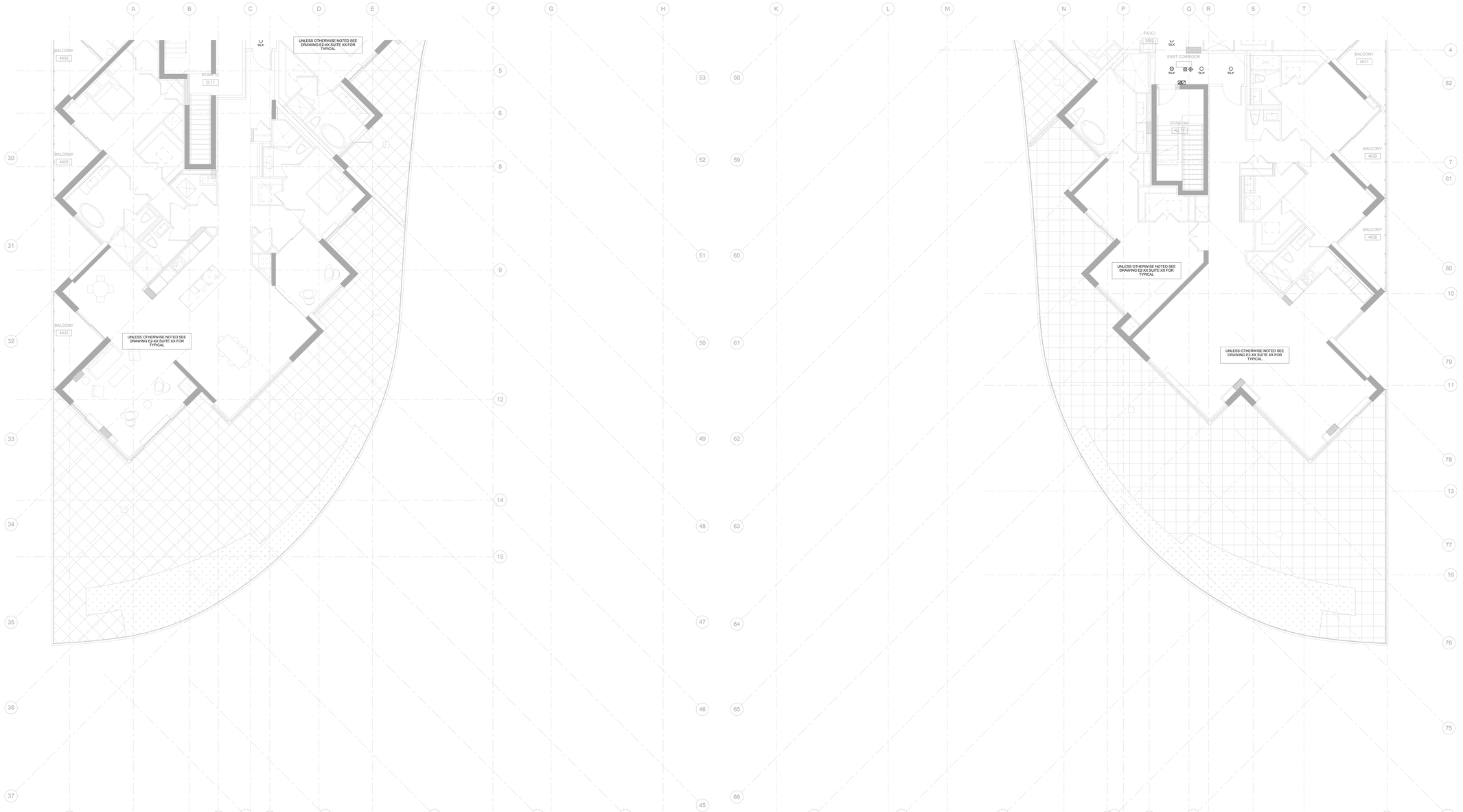

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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.04

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

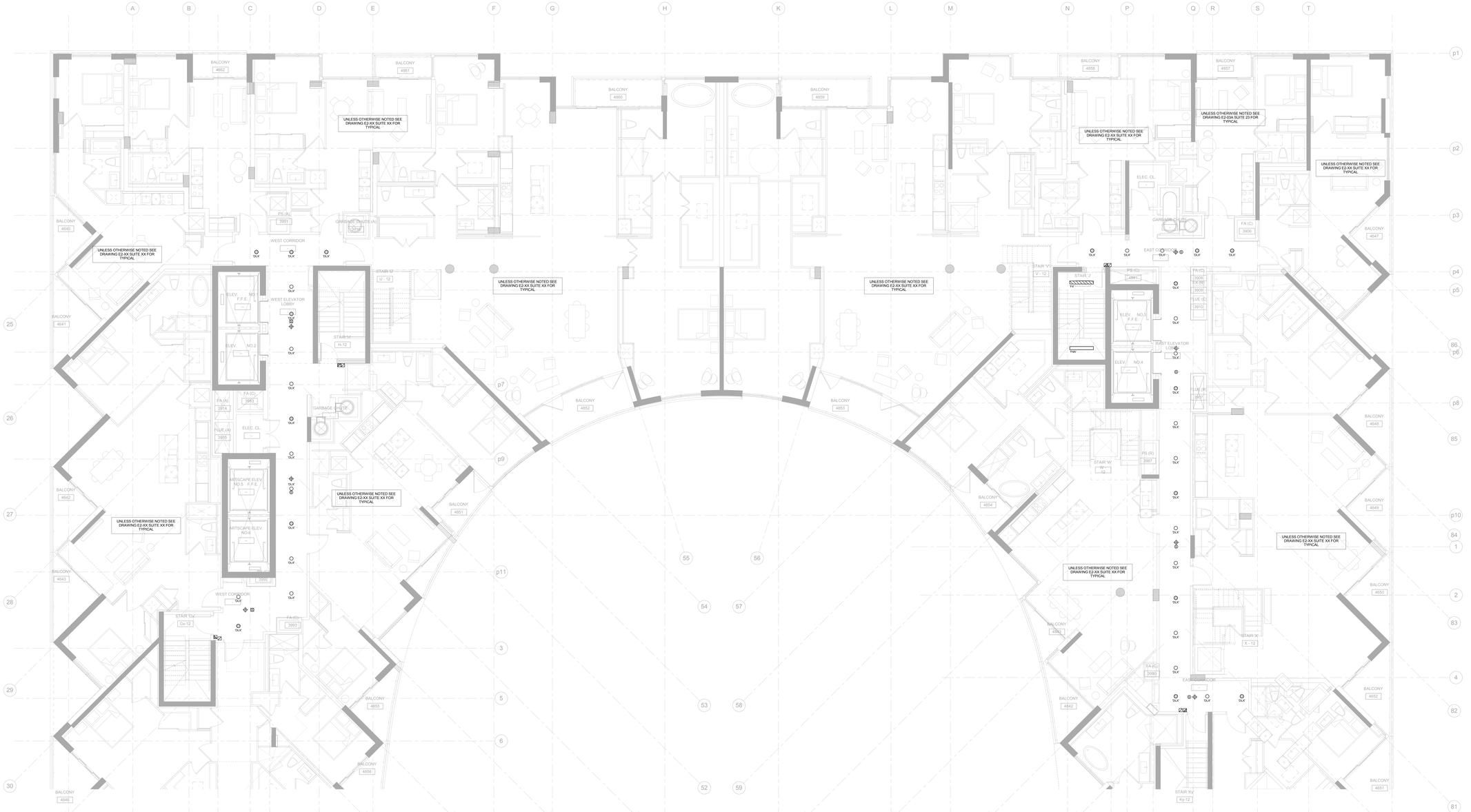
LEVEL 11 FLOOR PLAN
SOUTH - ELECTRICAL

Project

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

Scale: 1 : 50
Drawn by: Author
Checked by: Checker
Project No: 8489D
Date: 03/09/15
Drawing No: E2-12B

Plot Date: 2015.09.04 9:31:58 PM File Path: C:\Users\cwilson\Documents\8489D - Aquavista - MEP_cwilson_2.rvt



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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 12 FLOOR PLAN
NORTH - ELECTRICAL

Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15
Drawing No.	E2-13A

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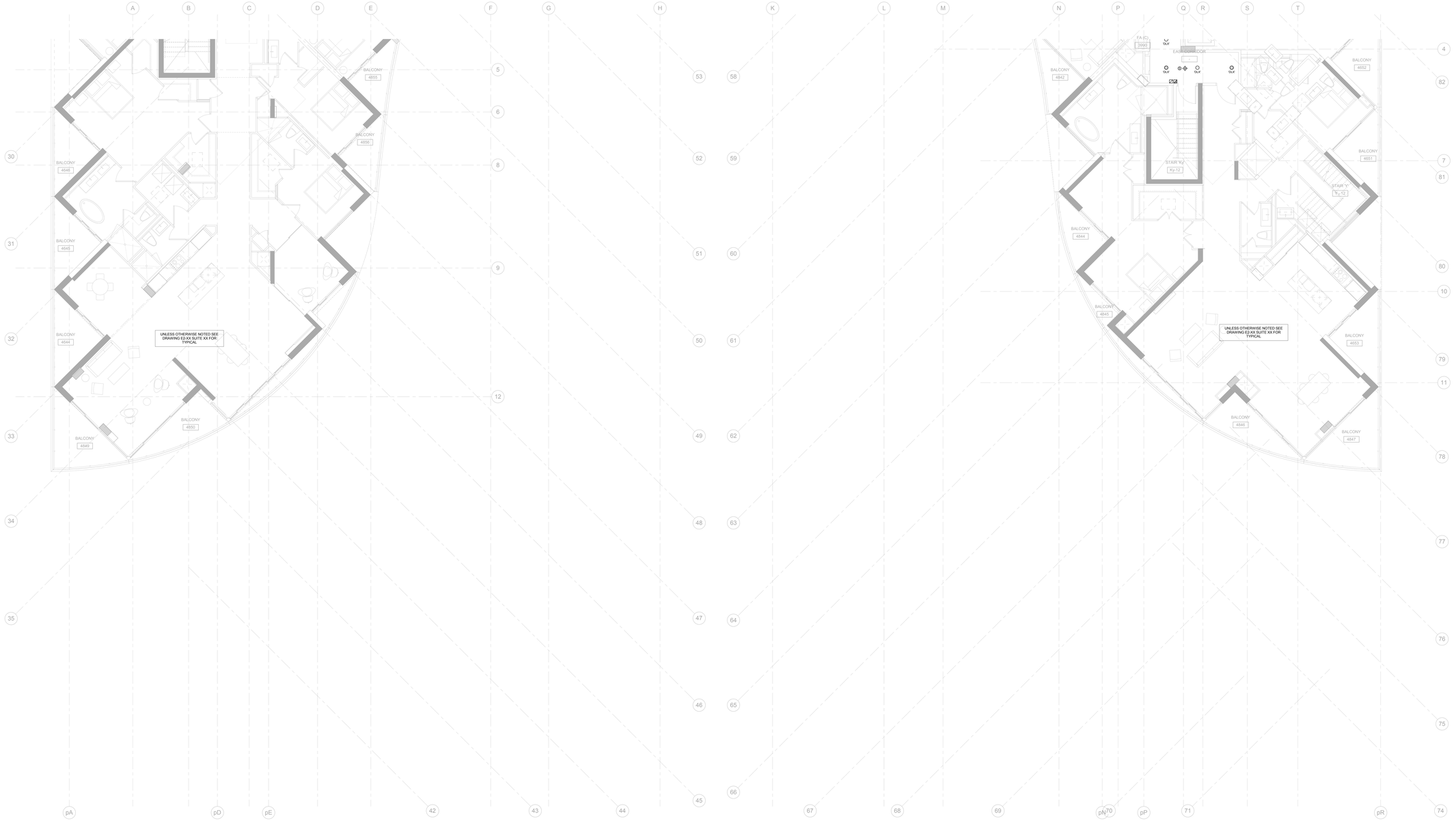

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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.04

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 12 FLOOR PLAN
SOUTH - ELECTRICAL

Project

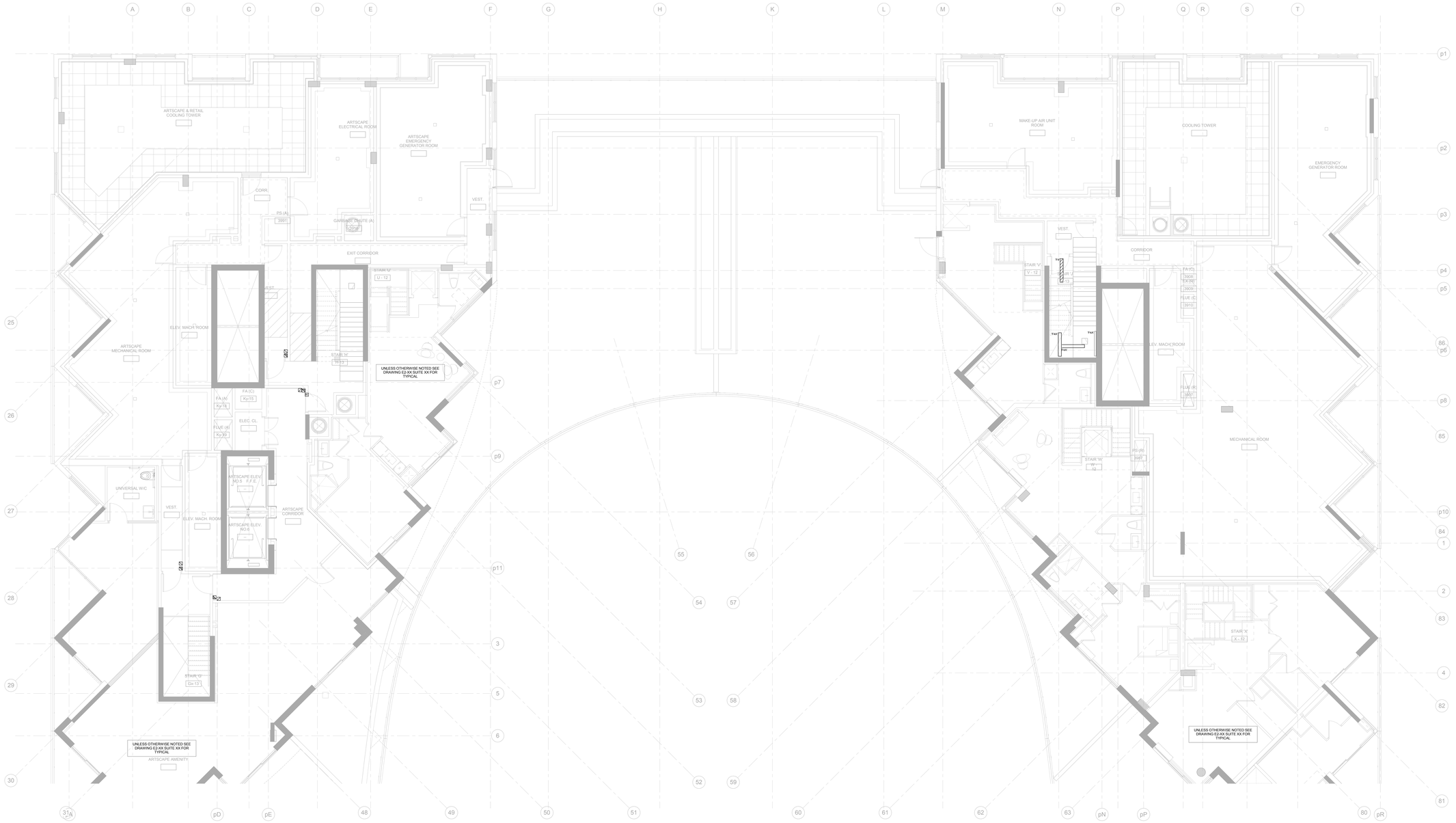
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/09/15

Drawing No.

E2-13B

Plot Date: 2015.09.04 4:28:04 PM File Path: C:\Users\jbenedictus\Dropbox\Documents\8489D - Aquavista - MEP_Jbenedictus.rvt



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Dayton Kelowna Hall Saint John

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.08.05

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

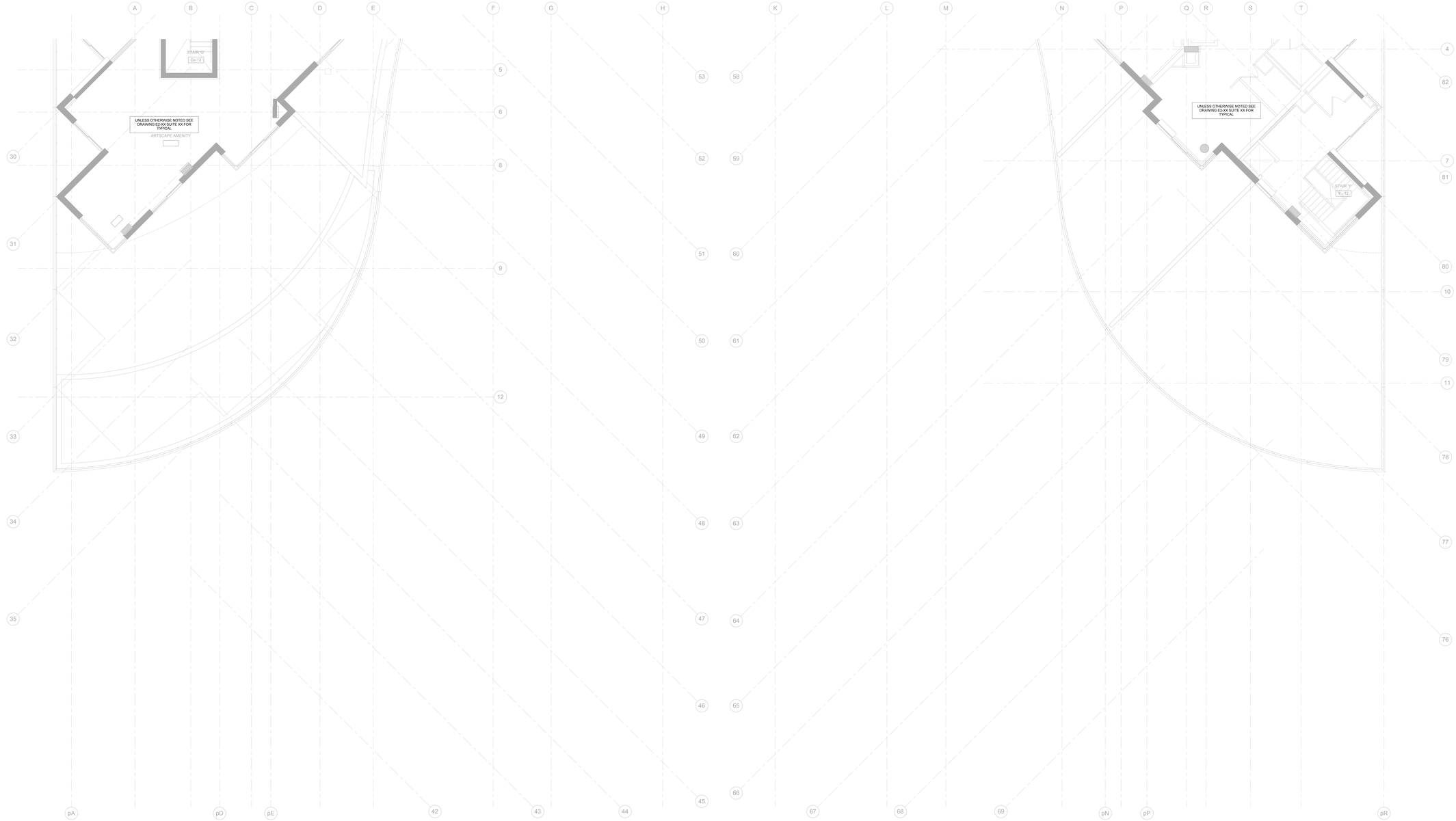
LEVEL 13 FLOOR PLAN
NORTH - ELECTRICAL

Project

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

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8488D
Date	04/16/15
Drawing No.	E3-14A

Plot Date: 2015.08.05 8:28:08 PM File Path: C:\Users\cbellamy\Documents\MCW Documents\Projects\8488D - Aquavista - MEP_cbellamy_2015



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No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.08.05

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL 13 FLOOR PLAN
SOUTH - ELECTRICAL

Project

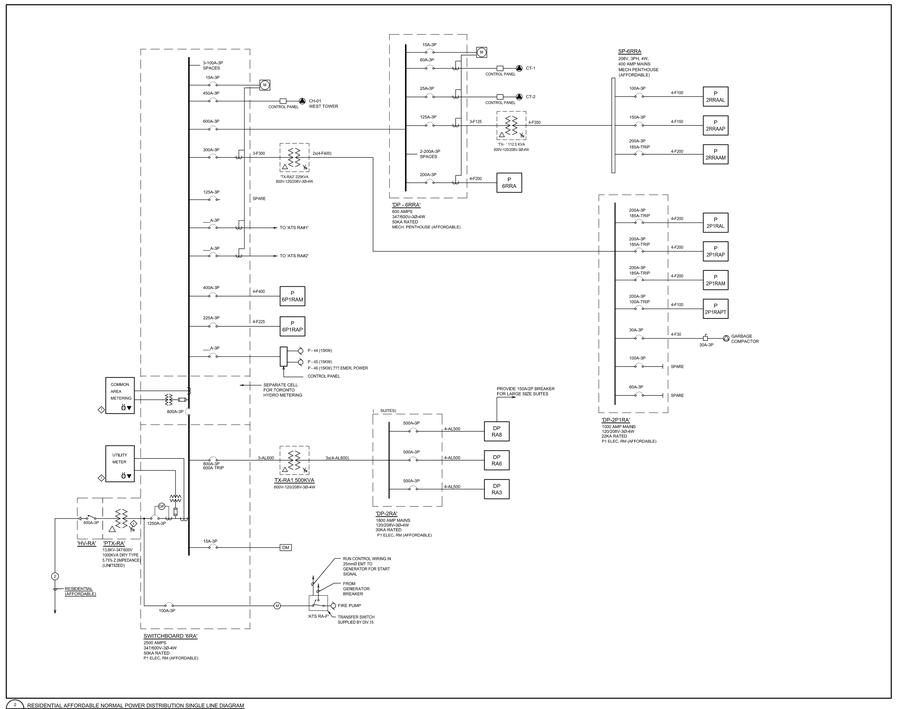
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON

Scale	1 : 50
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	04/16/15

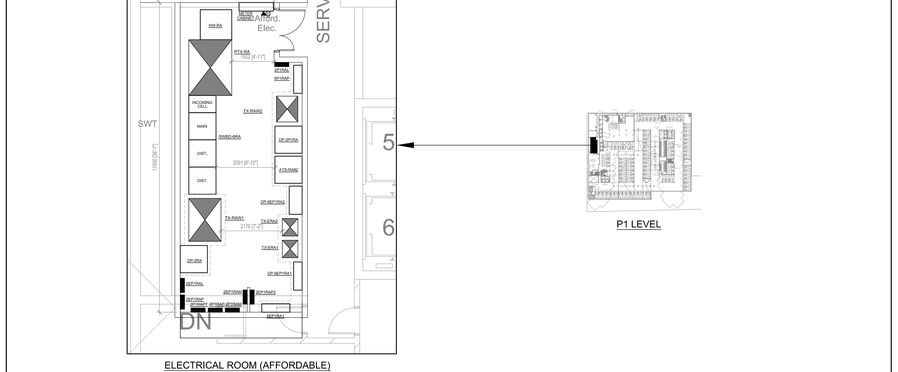
Drawing No.

E3-14B

Plot Date: 2015.08.05 - 4:28:11 PM File Path: C:\Users\admin\Desktop\8489D_Aquavista_Block 3 - R3 & R4_central_15.rvt



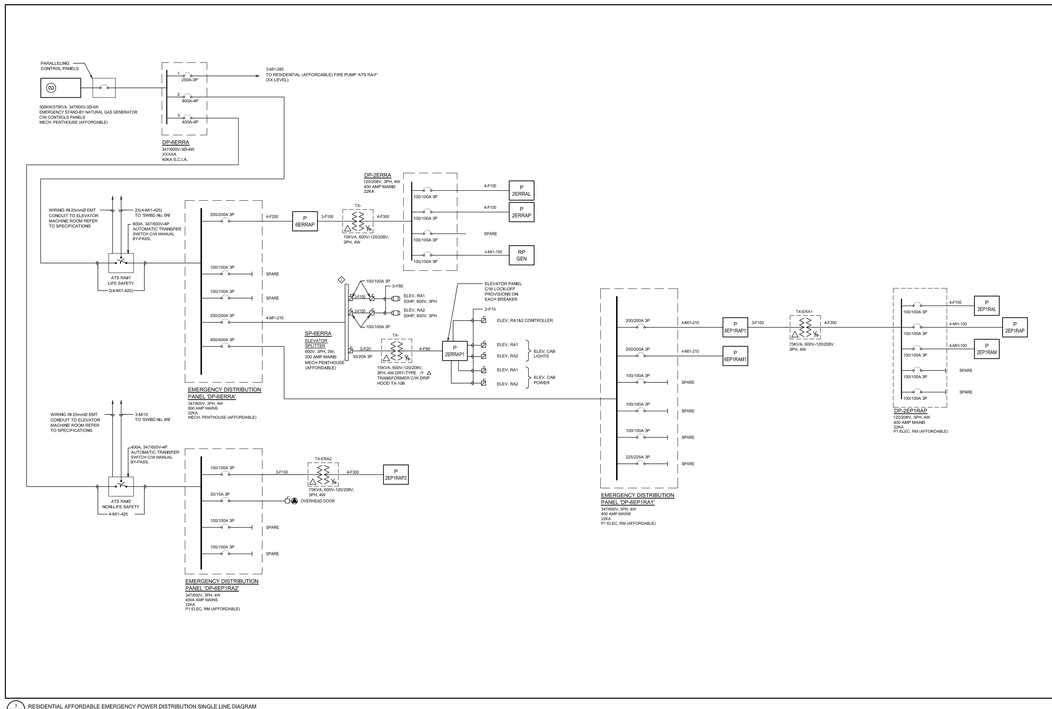
1 RESIDENTIAL AFFORDABLE NORMAL POWER DISTRIBUTION SINGLE LINE DIAGRAM
E4-00 N.T.S.



ELECTRICAL ROOM (AFFORDABLE)

P1 LEVEL

2 RESIDENTIAL AFFORDABLE ELECTRICAL ROOM LAYOUT
E4-00 N.T.S.



3 RESIDENTIAL AFFORDABLE EMERGENCY POWER DISTRIBUTION SINGLE LINE DIAGRAM
E4-00 N.T.S.

4 RESIDENTIAL AFFORDABLE POWER DISTRIBUTION RISER DIAGRAM
E4-00 N.T.S.

600V, 2-HOUR FIRE RATED MC/CABLE SCHEDULE
(ALUMINUM CONDUCTORS WITH COPPER GROUND)

		REF	AMP	SIZE	REF	AMP	SIZE
SINGLE CONDUCTORS		M1<20	20	14	M5>15	15	14/3
		M1<25	25	12	M5>20	20	12/3
		M1<30	30	10	M5>25	25	10/3
		M1<70	70	4	M5>45	45	8/3
		M1<100	100	6	M5>65	65	6/3
		M1<125	125	4	M5>85	85	4/3
		M1<155	155	3			
		M1<180	180	2			
		M1<210	210	1			
		M1<245	245	1/0			
		M1<285	285	2/0			
		M1<330	330	3/0			
		M1<385	385	4/0			
		M1<425	425	250			
		M1<480	480	300			
		M1<490	660	500			
TWO CONDUCTORS		M2<15	15	14/2	M4<15	15	12/4
		M2<20	20	12/2	M4<20	20	10/4
		M2<30	30	10/2	M4<30	30	8/4
		M2<45	45	8/2	M4<60	60	6/4
		M2<65	65	6/2			
		M2<85	85	4/2			

CABLE & CONDUIT SCHEDULE - TRIAL

MAX BREAKER SIZE	REF	WIRE SIZE	AMP @75°C	CONNECTED LOAD @40°C	CONDUIT SIZE 4C	3C	2C	BONDING CONDUCTOR
90	AL3D	#2	90	76	41(1-1/4")	35(1-1/4")	35(1-1/4")	#6
100	AL 3B	#1	100	85	41(1-1/4")	35(1-1/4")	35(1-1/4")	#6
125	AL 3B	#2/0	125	106	53 (2")	53 (2")	-	#4
150	AL 3B	#3/0	155	140	63 (2 1/2")	53 (2")	-	#4
200	AL3B	250MCM	205	174	78 (3")	63 (2 1/2")	-	#2
225	AL2S	300MCM	230	208	78 (3")	78 (3")	-	#2
250	AL4B	350MCM	260	234	78 (3")	78 (3")	-	#1
300	AL3D	2 RUNS OF 3/0AWG MC NUAL	310	280	-	-	-	#1
400	AL4D	2 RUNS OF 250MCM MC NUAL	410	368	-	-	-	#2
500	AL5D	2 RUNS OF 350MCM MC NUAL	500	448	-	-	-	#2
600	AL6D	2 RUNS OF 500MCM MC NUAL	625	560	-	-	-	#1
800	AL8D	3 RUNS OF 500MCM MC NUAL	810	732	-	-	-	#2

NOTE:
1. ALL CABLE SHALL BE NYC TYPE WITH 75°C AMPACITY TO SUIT BREAKER TERMINATION CHARACTERISTIC.
2. ALL FEEDER SHALL BE PROVIDED WITH BONDING CONDUCTOR AS SHOWN & PER CODE.
3. FOR PARALLEL RUNS, BONDING CONDUCTOR IS REQUIRED IN EACH PARALLEL RUN.
4. RUN PARALLEL FEEDERS FOR RATING OVER 300A.
5. MIN. CABLE SIZE FOR PARALLEL RUN TO BE #1/0.
6. DO NOT USE THIS SCHEDULE FOR UNDERGROUND CABLE. SIZE UNDERGROUND CABLE PER OESC 08 IEEE 835.
7. MC DENOTES MULTI CONDUCTOR.
8. USE THIS COLUMN FOR CIRCUIT WITH CURRENT CARRYING NEUTRALS. APPLY 0.8 CORRECTION FACTOR FROM TABLE 5C FOR THE 90°C AMPACITY.
9. BOTH 75°C AND THE CORRECTED 90°C (IF APPLY) CABLE AMPACITY MUST BE GREATER THAN THE BREAKER SIZE. UP-SIZE CABLE AS REQUIRED.

CABLE & CONDUIT SCHEDULE - COPPER

MAX BREAKER SIZE	REF	WIRE SIZE	AMP @75°C	CONNECTED LOAD @40°C	CONDUIT SIZE 4C	3C	2C	BONDING CONDUCTOR
70	F15	#12	25	21	41 (3/4")	41 (3/4")	41 (3/4")	#12
90	F20	#12	25	21	41 (3/4")	41 (3/4")	41 (3/4")	#12
95	F30	#10	35	32	27 (1")	21 (3/4")	21 (3/4")	#10
125	F40	#8	50	42	41 (1 1/4")	27 (1")	27 (1")	#8
70	F60	#6	65	55	41 (1 1/4")	35 (1 1/4")	27 (1")	#8
90	F80	#4	85	70	41 (1 1/4")	35 (1 1/4")	35 (1 1/4")	#6
100	F100	#3	100	82	41 (1 1/4")	35 (1 1/4")	35 (1 1/4")	#6
125	F125	#1	130	110	53 (2")	53 (2")	-	#6
150	F150	#1/0	150	125	53 (2")	53 (2")	-	#6
200	F200	4/0	205	169	63 (2 1/2")	63 (2 1/2")	-	#6
300	2300R	4/0	410	-	-	63 (2 1/2")	-	#6
200	F225	4/0	240	208	78 (3")	63 (2 1/2")	-	#6
250	F250	250MCM	265	232	78 (3")	78 (3")	-	#6
300	F300	350MCM	310	264	103 (4")	91 (3 1/2")	-	#4
350	F350	350MCM	400	344	103 (4")	103 (4")	-	#2
400	F400	500MCM	425	360	103 (4")	103 (4")	-	#2

NOTE:
1. ALL CABLE SHALL BE 90°C TYPE WITH 75°C AMPACITY TO SUIT BREAKER TERMINATION CHARACTERISTIC.
2. ALL FEEDER SHALL BE PROVIDED WITH BONDING CONDUCTOR AS SHOWN & PER CODE.
3. FOR PARALLEL RUNS, BONDING CONDUCTOR IS REQUIRED IN EACH PARALLEL RUN.
4. RUN PARALLEL FEEDERS FOR RATING OVER 300A.
5. MIN. CABLE SIZE FOR PARALLEL RUN TO BE #1/0.
6. DO NOT USE THIS SCHEDULE FOR UNDERGROUND CABLE. SIZE UNDERGROUND CABLE PER OESC 08 IEEE 835.
7. FEEDER TYPE FOOR SHALL ONLY BE USED IN RESIDENTIAL SUITE.
8. USE THIS COLUMN FOR CIRCUIT WITH CURRENT CARRYING NEUTRALS. APPLY 0.8 CORRECTION FACTOR FROM TABLE 5C FOR THE 90°C AMPACITY.
9. BOTH 75°C AND THE CORRECTED 90°C (IF APPLY) CABLE AMPACITY MUST BE GREATER THAN THE BREAKER SIZE. UP-SIZE CABLE AS REQUIRED.

NOTES:

1. TO BE CONFIRMED WITH TORONTO HYDRO.
2. 20A MULTI-POLE LIGHTING CONTACTOR FOR EXTERIOR LIGHTING, 120VAC COIL C/W TYPE 1 METAL ENCLOSURE, REFER TO DRAWING FOR INDIVIDUAL VOLTAGE RATING, REFER TO PLAN FOR EXACT CIRCUITS TO BE CONTROLLED.
3. PROVIDE FRAME BLOCK OUTLINE AND SINGLE LINE DIAGRAM AS PER OESC 36-006 AND MOUNT IN EACH ELECTRICAL ROOM.
4. SECONDARY NEUTRAL 'XO' SHALL BE GROUNDED TO THE SUBSTATION ELECTRODE WITH A 3/0 AWG COPPER CONDUCTOR.
5. SECONDARY NEUTRAL 'XO' OF TRANSFORMERS SHALL BE GROUNDED TO THE SUBSTATION ELECTRODE WITH A COPPER CONDUCTOR SIZED AS PER TABLE 17 OF OESC.
6. THE LOW VOLTAGE NEUTRAL 'XO' OF THE TRANSFORMERS SHALL BE BONDED TO THE TRANSFORMER ENCLOSURE/GROUND BUS WITH A COPPER CONDUCTOR SIZED AS PER TABLE 16 OF THE OESC.
7. PROVIDE AND INSTALL THE FOLLOWING FOR REMOTE METERING (RMS).
   1) 1" EMT CONDUIT C/W BUSHINGS AT BOTH ENDS IS TO BE INSTALLED BETWEEN THE REVENUE METERING CABINET AND THE BELL TELEPHONE ROOM (PUNCH BOARD). THE ¼" EMT IS TO TERMINATE AT THE TOP RIGHT CORNER OF THE METER CABINET. A 2 PAIR (4 CONDUCTOR) TELEPHONE CABLE IS TO BE INSTALLED IN THE ¼" CONDUIT. A RJ11 (4 PIN) TELEPHONE JACK IS ALSO TO BE PROVIDED AND INSTALLED ON THE TELEPHONE CABLE IN THE METER CABINET. THE TELEPHONE JACK IS TO BE LEFT AT THE END OF THE CABLE IN THE BELL TELEPHONE ROOM (PUNCH BOARD). THE TELEPHONE CABLE IS TO BE LEFT IN THE METER CABINET. THE TELEPHONE CABLE TERMINATING IN THE TELEPHONE ROOM IS TO BE CLEARLY LABELED "TORONTO HYDRO METERING".
   2) TORONTO HYDRO WILL ARRANGE TO HAVE THE TELEPHONE LINE ACTIVATED. CUSTOMER OWNED TELEPHONE LINES OR CUSTOMER SHARED TELEPHONE LINES ARE NOT ACCEPTABLE.
   3) 1 - 120 VOLT DUPLEX RECEPTACLE, TO BE LOCATED INSIDE, AT THE BOTTOM RIGHT CORNER OF THE METER CABINET. THE RECEPTACLE IS TO BE CONNECTED TO AN UNINTERRUPTIBLE POWER SUPPLY (UPS) IF POSSIBLE.
   4) THE NAME AND PHONE NUMBER OF AN ON SITE CONTACT PERSON.
8. COPPER CABLE WITH EQUIVALENT CURRENT RATING WITH FIRE RATED ENCLOSURE OR BURIED IN CONCRETE AS PER OBC ARE ALLOWED TO USE IN LIEU OF MICC CABLE.
9. IN THE EMERGENCY CONDITION, ONE ELEVATOR SHALL WORK AT A TIME ALONG WITH FIRE FIGHTER'S ELEVATOR.
10. RUN SIGNAL WIRING TO DOMESTIC WATER PUMP CONTROLLER ON EMERGENCY FOR SIGNAL TO CONTROL PUMPS AS PER ME DRAWINGS.
11. VACUUM CIRCUIT BREAKER SHALL MEET ALL REQUIREMENT OF TORONTO HYDRO CUSTOMER OWNED SUBSTATION STANDARD.
12. OVER CURRENT, PHASE & GROUND FAULT RELAY.
13. PROVIDE GALVANIZED CHAIN-LINK FENCE IN FRONT & SIDE OF INCOMING CELL TO PROTECT HYDRO WIRES. GROUND FENCE AS REQUIRED AND TO TORONTO HYDRO STANDARD.

ELECTRICAL PANEL AND CIRCUIT DESIGNATION

1. 3P,277/480-3 - 'D' - DENOTES CIRCUIT NUMBER
   - 'W' - DENOTES WEST TOWER C/R EAST TOWER
   - 'P' - DENOTES POWER AND/OR LIGHTING PANEL
   - 'S' - DENOTES SUB-DISTRIBUTION PANEL (P LEVEL)
   - 'T' - DENOTES EMERGENCY PANEL
   - '2' - DENOTES 120/208V OR
   - '9' - DENOTES 347/600V
2. ADDITIONAL POWER DESIGNATION
   LAST LETTER 'P' OF THE PANEL DESIGNATION IS REPLACED WITH FOLLOWING LETTERS FOR DIFFERENT OTHER TYPE OF PANELS.
   - OD - OUTDOOR LIGHTING
   - AL - AMENITY LIGHTING
   - AP - AMENITY POWER
   - AM - AMENITY MECHANICAL POWER
   - CP - COMMERCIAL PARKING GARAGE
   - CR - COMMERCIAL RETAIL
   - RA - RESIDENTIAL AFFORDABLE
   - RC - RESIDENTIAL CONDO
   - RCM - RESIDENTIAL CONDO (WEST TOWER)
   - SL - SIGN LIGHTING
   - SM - SNOW MELTING
   - M - MECHANICAL POWER
3. IF THERE ARE MORE THAN ONE PANEL ON SAME FLOOR WITH SAME DESIGNATION, THEY ARE DIFFERENTIATED BY ADDING A, B, C, ETC., AFTER THE LAST LETTER OF THE PANEL DESIGNATION.

7 FEEDER SCHEDULES AND NOTES
E4-00 N.T.S.

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207 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7
Tel: 416-596-1930 Fax: 416-596-0644
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
Dayphic Kelowna Hall Saint John

No.	Revision	Date
1	ISSUED FOR BUILDING PERMIT	2015-05-01

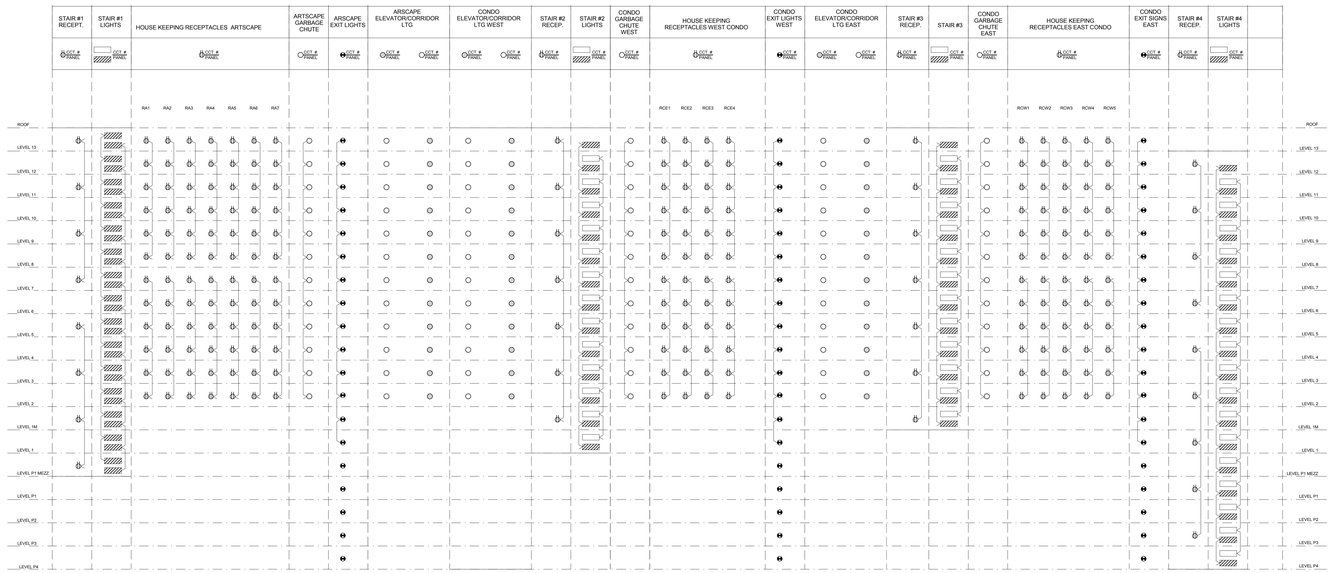
AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
ARTSCAPE - SINGLE LINE DIAGRAM

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

Scale: N.T.S
Drawn by: Author
Checked by: Checker
Project No.: 8489D
Date: 03/09/15
Drawing No.: E3-A-01

Plot Date: 15/04/2015 3:14:02 PM File Path:



1 ARTSCAPE - COMMON AREA LIGHTING & POWER RISER DIAGRAM, DISPOSAL SYSTEM ROUGH-IN RISER
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E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-2929 Fax: 416-598-3284
Toronto Vancouver Winnipeg Moncton Ottawa Halifax Daytime Kelowna Hall Saint John

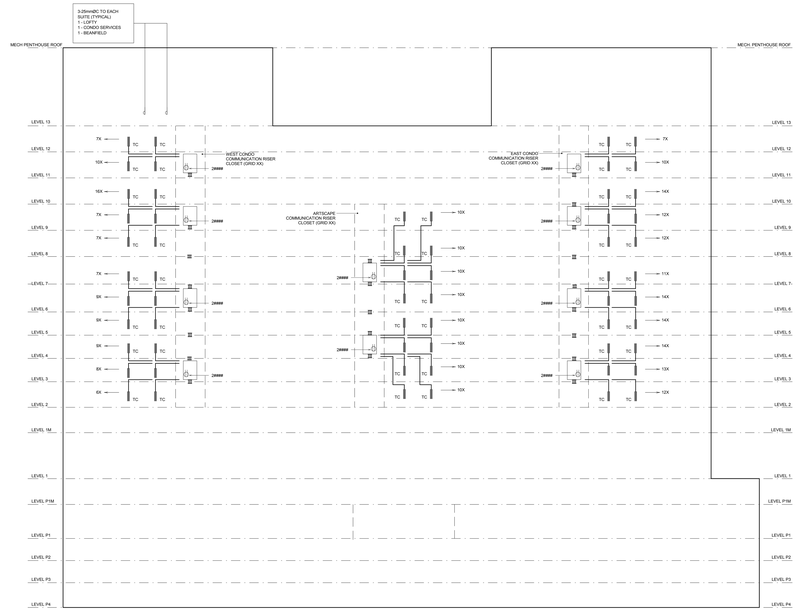
No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015-09-25

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
ARTSCAPE - COMMON AREA LIGHTING & POWER RISER DIAGRAM, DISPOSAL SYSTEM ROUGH-IN RISER
Project
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON

Scale: N.T.S
Drawn by: Author
Checked by: Checker
Project No: 8489D
Date: 03/09/15
Drawing No: E3-A-03



1 COMMUNICATION RISER DIAGRAM ARTSCAPE
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E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-596-2930 Fax: 416-596-0394
Toronto Vancouver Windsor Moncton Ottawa Halifax
Daughtry Retowski Tait Saint John

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.04

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

ARTSCAPE -
COMMUNICATION
SYSTEM RISER DIAGRAM

Project

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

Scale: N.T.S.
Drawn by: Author
Checked by: Checker
Project No.: 8489D
Date: 03/09/15
Drawing No.: E3-A-04

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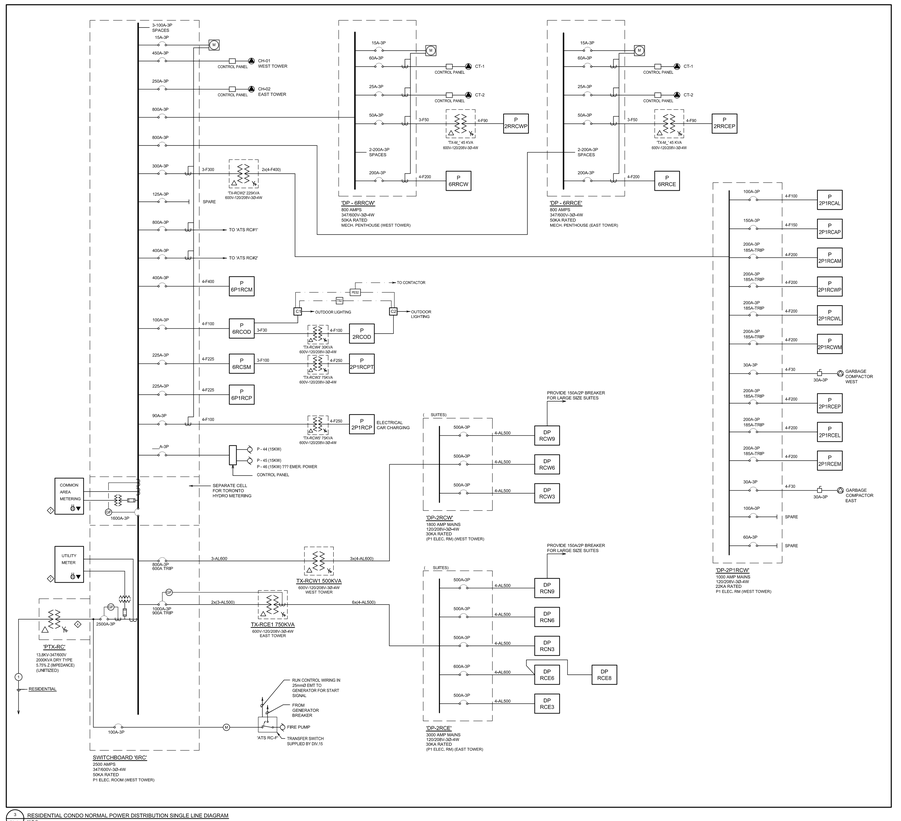
SWITCHBOARD 'SBC'
2500 AMPS
347/600V,3Ø,4W
50KA RATED
P1 ELEC. ROOM (WEST TOWER)
SPACES
CONTROL PANEL
CH-01
WEST TOWER
CH-02
EAST TOWER
CT-1
CT-2
TX-RCW1 750KVA
600V-120/208V-3Ø-4W
WEST TOWER
TX-RCE1 750KVA
600V-120/208V-3Ø-4W
EAST TOWER
TX-RCW2 225KVA
600V-120/208V-3Ø-4W
TX-RCW3 75KVA
600V-120/208V-3Ø-4W
TX-RCW4 75KVA
600V-120/208V-3Ø-4W
TX-RCW5 75KVA
600V-120/208V-3Ø-4W
TX-RCW6 75KVA
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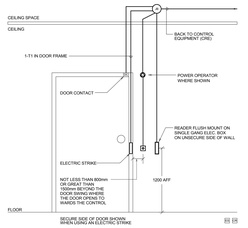
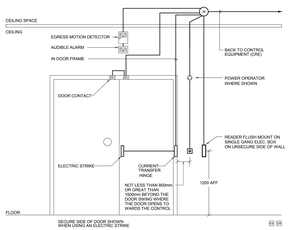
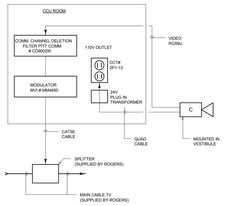


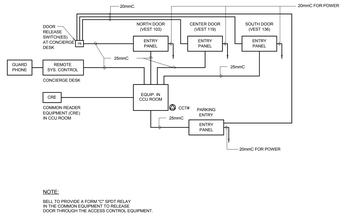
4 SECURED SINGLE DOOR WITH ELECTRIC STRIKE
N.T.S



3 SECURED DOUBLE DOOR WITH ELECTRIC STRIKE
N.T.S

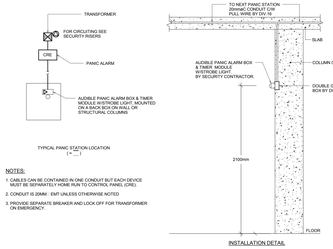


2 LOBBY CAMERA INSTALLATION
N.T.S



NOTE:
BELL TO PROVIDE A FORM "C" SPDT RELAY IN THE COMMON EQUIPMENT TO RELEASE DOOR THROUGH THE ACCESS CONTROL EQUIPMENT.

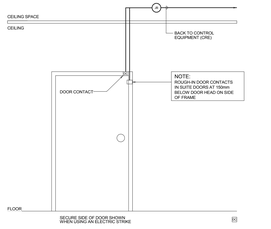
1 ENTERPHONE SYSTEM
N.T.S



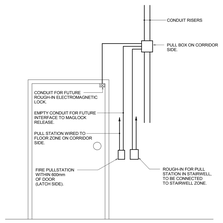
NOTES:
1. CABLES CAN BE CONTAINED IN ONE CONDUIT BUT EACH DEVICE MUST BE SEPARATELY HOME RUN TO CONTROL PANEL (CRE).
2. CONDUIT IS 20MM EMT UNLESS OTHERWISE NOTED
3. PROVIDE SEPARATE BREAKER AND LOCK OFF FOR TRANSFORMER ON EMERGENCY.

INSTALLATION DETAIL

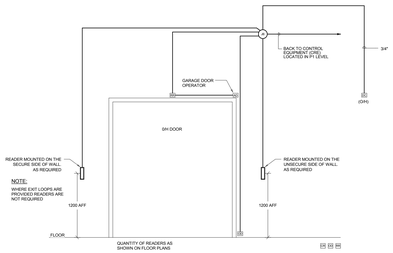
8 PANIC ALARM SYSTEM DETAILS
1 : 1



5 SECURED SINGLE DOOR WITH DOOR CONTACT
N.T.S



7 ROUGH-IN REQUIREMENTS AT CROSS-OVER DOOR LOCATION
N.T.S



6 SECURED OVERHEAD GARAGE DOOR
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No.	Revision	Date
1	ISSUED FOR BUILDING PERMIT	2015.09.25

No.	Issued For	Date

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
CONDO - SECURITY RISER DIAGRAM & DETAILS

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: 03/09/15
Drawing No: E3-C-02

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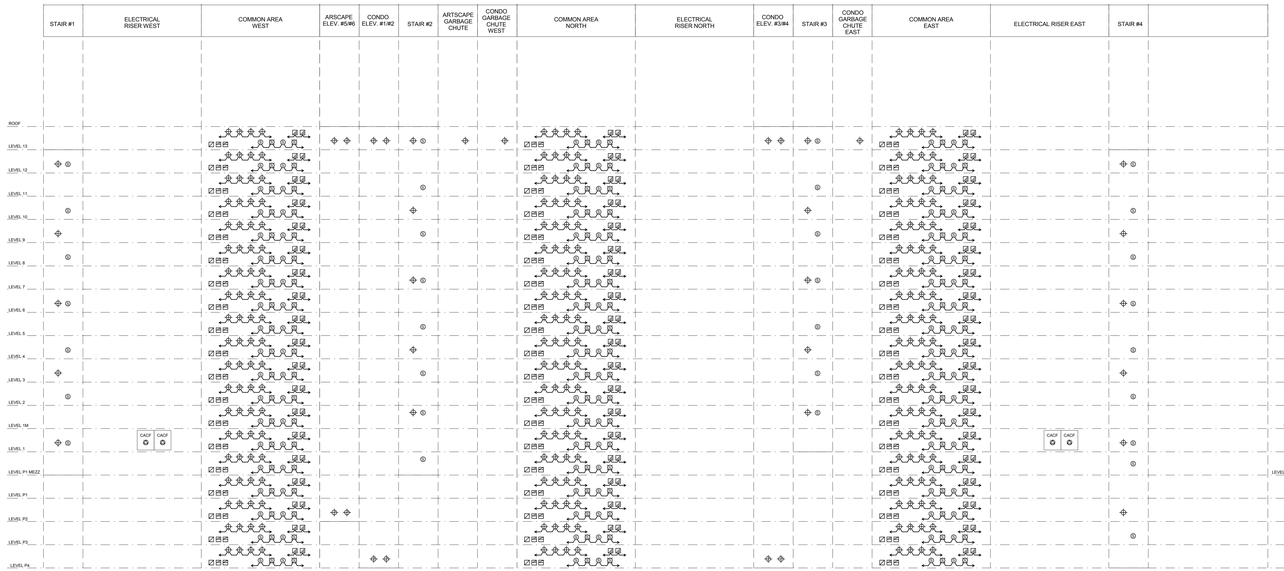


1 FIRE ALARM RISER DIAGRAM
N.T.S

THE FIRE ALARM SYSTEM SHALL BE A MODIFIED TWO STAGE SYSTEM PROGRAMMED TO ALARM FIRE FLOOR ABOVE AND FLOOR BELOW WHILE ALERT TONES ARE PROVIDED THROUGHOUT. THE REST OF THE BUILDING SHALL BE PROGRAMMED SUCH THAT THE ENTIRE BUILDING WILL BE ALARMED ON ACTIVATION OF ANY DEVICE ON ANY GARAGE LEVEL.

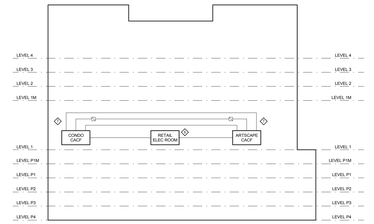
NOTES:

1. REFER TO SPEC SECTION 16110 FOR ELEVATOR SHAFT/MACHINE ROOM FUNCTIONS.
2. A STAIR SHALL INCLUDE THE STAIR AND ITS LINKED EXIT CORRIDOR SHWON ON FLOOR PLAN.
3. REFER TO FLOOR PLAN FOR DEVICE QUANTITY, TYPE AND LOCATION.
4. ALL CIRCUIT BREAKERS SERVING FIRE ALARM SYSTEM SHALL BE LOCKABLE TYPE.
5. USE HIGH TEMPERATURE HEAT DETECTORS IN MECHANICAL PENTHOUSES.
6. PULL STATION SHALL BE WIRED ON THEIR OWN CIRCUIT.
7. SEPARATE SIGNALS SHALL BE PROVIDED TO ELEVATOR CONTROLLER AS FOLLOWING
   - GENERAL FIRE ALARM SIGNAL(NOT FROM PULL STATION ACTIVATION).
   - SIGNAL FROM A MACHINE ROOM SMOKE DETECTOR.
   - SIGNAL FROM HOISTWAY TOP OF SHAFT DETECTOR.
   - SIGNAL FROM PIT DETECTOR.

◇ PROVIDE REMOTE "LCD" ANNUNCIATOR AT CONCIERGE DESK.

◇ REMOTE FIRE ALARM SYSTEM ANNUNCIATOR AND 'ALL CALL' CONTROL PANEL.

◇ A SEPARATE 'ADDRESSABLE' FIRE ALARM SUB-CONTROL PANEL WILL BE PROVIDED IN THE RETAIL ELECTRICAL ROOM TO ALLOW CONNECTION FOR ALL RETAIL SPACES. TIED BACK TO THE MAIN FIRE ALARM ROOM.



2 FIRE ALARM SYSTEM INTERCONNECTION SCHEMATIC
N.T.S

NOTES:

1. FIRE ALARM SYSTEM MUST BE COMMON WITH SEPARATE ALARM CONTROL FACILITIES AS SHOWN.
2. EACH CACF SHALL CONTROL VOICE COMMUNICATION FOR ALL PARKING LEVELS AND LOWER GRADE AMENITY SPACES OF THE PORTION OF THE BUILDING THAT THE CACF SERVES. EACH CACF SHALL SEND MESSAGES ON ALL LOUDSPEAKERS IN ALL PORTIONS OF THE PROJECT VIA AN ALL CALL CONTROL PANEL. EACH CACF SHALL ALSO CONTROL SMOKE CONTROL EQUIPMENT PERTAINING TO THE ABOVE-GRADE PORTION OF THE BUILDING SERVICED BY THE CACF AS WELL AS SMOKE CONTROL EQUIPMENT FOR THE ENTIRE PARKING LEVELS AND AMENITY SPACES ON LOWER GRADE LEVELS.
3. EACH CACF SHALL BE PROVIDED WITH LIGHTS THAT INDICATE IF SMOKE CONTROL EQUIPMENT PERTAINING TO BELOW-GRADE LEVELS AND LOWER GRADE AMENITY SPACE HAVE BEEN ACTIVATED AT THE OTHER CACF. EACH CACF SHALL ALSO INDICATE IF SMOKE CONTROL EQUIPMENT FOR THE ABOVE-GRADE SMOKE CONTROL EQUIPMENT CONTROLLED AT THE OTHER CACF.
4. EACH ANNUNCIATOR TO DISPLAY ALL BELOW-GRADE ZONES AND LOWER GRADE AMENITY SPACES, AS WELL AS ALL FLOORS ABOVE THE GROUND.

◇ A SEPARATE 'ADDRESSABLE' FIRE ALARM SUB-CONTROL PANEL WILL BE PROVIDED IN THE RETAIL ELECTRICAL ROOM TO ALLOW CONNECTION FOR ALL RETAIL SPACES. TIED BACK TO THE MAIN FIRE ALARM ROOM.

◇ PROVIDE 4-50mmDC BETWEEN CACF ROOMS FOR SYSTEM INTERCONNECTION AS REQUIRED INCLUDING ELEVATOR MONITORING.

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Date: 03/06/15

MCW Consultants Ltd.
207 Queen's Quay West, Suite 810, Toronto, ON, M5J 1A7
E-Mail: mcw_to@mcw.com www.mcw.com
Tel: 416-598-2920 Fax: 416-598-3394
Toronto Vancouver Windsor Moncton Ottawa Halifax
Daughtrey Rutowski Tait Saint John

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AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
CONDO - FIRE ALARM RISER DIAGRAM

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

Scale	N.T.S
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/06/15
Drawing No.	E3-C-03

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FIRE ALARM SYSTEM

ZONE SCHEDULE

ABBREVIATIONS:
MPS - PULL STATION
HD - HEAT DETECTOR
SD - SMOKE DETECTOR
DWSD - DUCT SMOKE DETECTOR
TD - THERMAL DETECTOR
AV - ALARM CHECK
SC - SUPERVISORY CONTACT
SV - SUPERVISED VALVE
FS - FLOW SWITCH
PS - PRESSURE SWITCH
LPS - LOW PRESSURE SWITCH

ZONE	DESCRIPTION	INITIATING DEVICES	REGISTERED AS ALARM	REGISTERED AS TROUBLE	INITIATE AS	DISPLAY
ZP4-1	U/G PARKING LEVEL P4 - NORTH	PS/SD/MPS	✓		R1	R1 & R2
ZP4-2	U/G PARKING LEVEL P4 - SOUTH	PS/SD/MPS	✓		R2	R1 & R2
ZP4-3	U/G PARKING LEVEL P4 - ELEVATOR LOBBY (P4D1)	SD	✓		R1	R1 & R2
ZP4-4	U/G PARKING LEVEL P4 - ELEVATOR LOBBY (P4D8)	SD	✓		R2	R1 & R2
ZP4-5	U/G PARKING LEVEL P4 - ELEVATOR LOBBY (P4/14)	SD	✓		R2	R1 & R2
ZP4-6	U/G PARKING LEVEL P4 - BOILER ROOM (HIGH TEMPERATURE)	FS/HD	✓		R1	R1 & R2
ZP4-7	U/G PARKING LEVEL P4 - CHILLER ROOM	FS/HD	✓		R1	R1 & R2
ZP4-8	U/G PARKING LEVEL P4 - ELEVATOR MACHINE ROOM (P4/16)	SD	✓		R1	R1 & R2
ZP4-9	U/G PARKING LEVEL P4 - ELEVATOR MACHINE ROOM (P4/17)	SD	✓		R1	R1 & R2
ZP3-1	U/G PARKING LEVEL P3 - NORTH	PS/SD/MPS	✓		R1	R1 & R2
ZP3-2	U/G PARKING LEVEL P3 - SOUTH	PS/SD/MPS	✓		R2	R1 & R2
ZP3-3	U/G PARKING LEVEL P3 - ELEVATOR LOBBY (P3D1)	SD	✓		R1	R1 & R2
ZP3-4	U/G PARKING LEVEL P3 - ELEVATOR LOBBY (P3D8)	SD	✓		R2	R1 & R2
ZP3-5	U/G PARKING LEVEL P3 - ELEVATOR LOBBY (P3/13)	SD	✓		R2	R1 & R2
ZP3-6	U/G PARKING LEVEL P3 - FRESH AIR UNIT	HD/FS	✓		R2	R1 & R2
ZP3-7	U/G PARKING LEVEL P3 - ELEVATOR MACHINE ROOM (P3/15)	SD	✓		R1	R1 & R2
ZP2-1	U/G PARKING LEVEL P2 - NORTH	PS/SD/MPS	✓		R1	R1 & R2
ZP2-2	U/G PARKING LEVEL P2 - SOUTH	PS/SD/MPS	✓		R2	R1 & R2
ZP2-3	U/G PARKING LEVEL P2 - ELEVATOR LOBBY (P2D1)	SD	✓		R1	R1 & R2
ZP2-4	U/G PARKING LEVEL P2 - ELEVATOR LOBBY (P2D8)	SD	✓		R2	R1 & R2
ZP2-5	U/G PARKING LEVEL P2 - ELEVATOR LOBBY (P2/13)	SD	✓		R2	R1 & R2
ZP2-6	U/G PARKING LEVEL P2 - GARBAGE ROOM (J)	HD/FS	✓		R1	R1 & R2
ZP2-7	U/G PARKING LEVEL P2 - GARBAGE ROOM (ARTSCAPE)	HD/FS	✓		R2	R1 & R2
ZP2-8	U/G PARKING LEVEL P2 - ELEVATOR MACHINE ROOM (P2/17)	SD	✓		R1	R1 & R2
ZP2-9	U/G PARKING LEVEL P2 - RES. MOVING VEST. (P2/3)	SD	✓		R2	R1 & R2
ZP2-10	U/G PARKING LEVEL P2 - COMM. DELIVERY HOLDING (P2/1)	SD	✓		R2	R1 & R2
ZP2-11	U/G PARKING LEVEL P2 - GARBAGE HOLDING (P2/2)	SD	✓		R2	R1 & R2
ZP1-1	U/G PARKING LEVEL P1	PS/SD/MPS	✓		R2	R1 & R2
ZP1-2	U/G PARKING LEVEL P1 - AMENITYY	FS/SD/MPS	✓		R1	R1 & R2
ZP1-3	U/G PARKING LEVEL P1 - ELEVATOR LOBBY (P1D1)	SD	✓		R1	R1 & R2
ZP1-4	U/G PARKING LEVEL P1 - ELEVATOR LOBBY (P1D1)	SD	✓		R2	R1 & R2
ZP1-5	U/G PARKING LEVEL P1 - ELEVATOR LOBBY (P1/2)	SD	✓		R2	R1 & R2
ZP1-6	U/G PARKING LEVEL P1 - HYDRO VAULT	SD	✓		R1	R1 & R2
ZP1-7	U/G PARKING LEVEL P1 - ELETRICAL ROOM (P1/34)	SD	✓		R2	R1 & R2
ZP1-8	U/G PARKING LEVEL P1 - ELETRICAL ROOM (P1/38)	SD	✓		R2	R1 & R2
ZP1-9	U/G PARKING LEVEL P1 - ELETRICAL ROOM (P1/43)	SD	✓		R2	R1 & R2
ZP1-10	U/G PARKING LEVEL P1 - PARK ELETRICAL ROOM (P1/45)	SD	✓		R2	R1 & R2
ZP1-11	U/G PARKING LEVEL P1 - COU / COMMUNICATION ROOM	SD	✓		R2	R1 & R2
ZP1-12	U/G PARKING LEVEL P1 - SPA MECH ROOM (P1/24)	SD	✓		R1	R1 & R2
ZP1M-1	U/G PARKING LEVEL P1M - STORAGE	FS/MPS	✓		R2	R1 & R2
ZP1M-2	U/G PARKING LEVEL P1M - ELEVATOR LOBBY (P1M01)	SD	✓		R2	R1 & R2
ZP1M-3	U/G PARKING LEVEL P1M - SPRINKLER ROOM	FS/HD	✓		R2	R1 & R2
ZH1-1-1	LEVEL 1 - TOWER 1 - LOBBY	FS/SD	✓		R1	R1 & R2
ZH1-1-2	LEVEL 1 - TOWER 1 - ELEVATOR LOBBY (1D2)	SD/MPS	✓		R1	R1 & R2
ZH1-1-3	LEVEL 1 - TOWER 1 - RETAIL	FS/MPS	✓		R2	R1 & R2
ZH1-1-4	LEVEL 1 - TOWER 1 - RETAIL SERVICE CORRIDOR (1D3)	SD	✓		R1	R1 & R2
ZH1-1-5	LEVEL 1 - TOWER 1 - RETAIL GROUND FLOOR WINDOW SPRINKLER	FS	✓		R1/R2	R1 & R2
ZH1-1-5	LEVEL 1 - TOWER 1 - RETAIL 2ND FLOOR WINDOW SPRINKLER	FS	✓		R1/R2	R1 & R2
ZH1M-1	LEVEL 1 MEZZANINE - TOWER 1	SD	✓		R1	R1 & R2
ZH1-2-1	LEVEL 2 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-2-2	LEVEL 2 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-2-3	LEVEL 2 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-3-1	LEVEL 3 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-3-2	LEVEL 3 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-3-3	LEVEL 3 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-4-1	LEVEL 4 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-4-2	LEVEL 4 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-4-3	LEVEL 4 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-5-1	LEVEL 5 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-5-2	LEVEL 5 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-5-3	LEVEL 5 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-6-1	LEVEL 6 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-6-2	LEVEL 6 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-6-3	LEVEL 6 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-7-1	LEVEL 7 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-7-2	LEVEL 7 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-7-3	LEVEL 7 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-8-1	LEVEL 8 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-8-2	LEVEL 8 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-8-3	LEVEL 8 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-9-1	LEVEL 9 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-9-2	LEVEL 9 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-9-3	LEVEL 9 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-10-1	LEVEL 10 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-10-2	LEVEL 10 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-10-3	LEVEL 10 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-11-1	LEVEL 11 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-11-2	LEVEL 11 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-11-3	LEVEL 11 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-12-1	LEVEL 12 - ; - ELECTRICAL CLOSET	FS/MPS/SD	✓		R1	R1 & R2
ZH1-12-2	LEVEL 12 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-12-3	LEVEL 12 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH1-13-1	LEVEL 13 - ; - AMENITYY	FS/MPS/SD	✓		R1	R1 & R2
ZH1-13-2	LEVEL 13 - ; - GENERATOR ROOM (HIGH TEMP)	FS/HD/SD	✓		R1	R1 & R2
ZH1-13-3	LEVEL 13 - ; - COMM. ROOM	SD	✓		R1	R1 & R2
ZH1-13-4	LEVEL 13 - ; - MECHANICAL ROOM	FS/HD	✓		R1	R1 & R2
ZH1-13-5	LEVEL 13 - ; - ELECTRICAL CLOSET	SD	✓		R1	R1 & R2
ZH2M-1	LEVEL 1 MEZZANINE - RETAIL	FS/SD	✓		R2	R1 & R2
ZH2-2-1	LEVEL 2 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-2-2	LEVEL 2 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-3-3	LEVEL 2 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-3-1	LEVEL 3 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-3-2	LEVEL 3 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-3-3	LEVEL 3 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-4-1	LEVEL 4 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-4-2	LEVEL 4 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-4-3	LEVEL 4 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-5-1	LEVEL 5 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-5-2	LEVEL 5 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-5-3	LEVEL 5 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-6-1	LEVEL 6 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-6-2	LEVEL 6 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-6-3	LEVEL 6 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-7-1	LEVEL 7 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-7-2	LEVEL 7 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-8-1	LEVEL 8 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-8-2	LEVEL 8 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-9-1	LEVEL 9 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-9-2	LEVEL 9 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-10-1	LEVEL 10 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-10-2	LEVEL 10 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-11-1	LEVEL 11 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-11-2	LEVEL 11 - ARTSCAPE - ELECTRICAL CLOSET	SD	✓		R2	R1 & R2
ZH2-12	LEVEL 12 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-13	LEVEL 13 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-14-1	LEVEL 14 - ARTSCAPE	FS/MPS/SD	✓		R2	R1 & R2
ZH2-14-2	LEVEL 14 - ARTSCAPE - ; - ELEVATOR MACHINE ROOM	SD	✓		R2	R1 & R2
Z15	SPARE					
Z16	SPARE					
Z17	SPARE					
Z18	GARBAGE CHUTE -	FS/HD	✓		R1	R1 & R2
Z19	GARBAGE CHUTE -	FS/HD	✓		R1	R1 & R2
Z20	GARBAGE CHUTE - ARTSCAPE	FS/HD	✓		R2	R1 & R2
Z21	GARBAGE CHUTE - ARTSCAPE	FS/HD	✓		R2	R1 & R2
Z22	SPARE					
Z23	SPARE					
Z24	SPARE					
Z25	SPARE					
Z26	SPARE					
Z27	SPARE					
Z28	SPARE					
Z29	SPARE					

ZONE	DESCRIPTION	INITIATING DEVICES	REGISTERED AS ALARM	REGISTERED AS TROUBLE	INITIATE AS	DISPLAY
Z30	STAIR A	SD	✓		R1	R1 & R2
Z31	STAIR B	SD	✓		R1	R1 & R2
Z32	STAIR C	SD	✓		R1	R1 & R2
Z33	STAIR D	SD	✓		R2	R1 & R2
Z34	STAIR E	SD	✓		R2	R1 & R2
Z35	STAIR H	SD	✓		R2	R1 & R2
Z36	STAIR G	SD	✓		R2	R1 & R2
Z37	STAIR H	SD	✓		R2	R1 & R2
Z38	STAIR N	SD	✓		R1	R1 & R2
Z39	SPARE					
Z40	SPARE					
Z41	SPARE					
Z42	SPARE					
Z43	ELEVATOR #1 PIT	HD	✓		R1	R1 & R2
Z44	ELEVATOR #1 SHAFT	HD	✓		R1	R1 & R2
Z45	SPARE					
Z46	ELEVATOR #2 PIT	HD	✓		R1	R1 & R2
Z47	ELEVATOR #2 SHAFT	HD	✓		R1	R1 & R2
Z48	SPARE					
Z49	ELEVATOR #3 PIT	HD	✓		R1	R1 & R2
Z50	ELEVATOR #3 SHAFT	HD	✓		R1	R1 & R2
Z51	SPARE					
Z52	ELEVATOR #4 PIT	HD	✓		R2	R1 & R2
Z53	ELEVATOR #4 SHAFT	HD	✓		R2	R1 & R2
Z54	SPARE					
Z55	ELEVATOR #5 PIT	HD	✓		R2	R1 & R2
Z56	ELEVATOR #5 SHAFT	HD	✓		R2	R1 & R2
Z57	SPARE					
Z58	ELEVATOR #6 PIT	HD	✓		R2	R1 & R2
Z59	ELEVATOR #6 SHAFT	HD	✓		R2	R1 & R2
Z60	SPARE					
Z61	ELEVATOR #7 PIT	HD	✓		R2	R1 & R2
Z62	ELEVATOR #7 SHAFT	HD	✓		R2	R1 & R2
Z63	SPARE					
Z64	ELEVATOR #8 PIT	HD	✓		R2	R1 & R2
Z65	ELEVATOR #8 SHAFT	HD	✓		R2	R1 & R2
Z66	SPARE					
Z67	SPARE					
Z68	PRE AMPLIFIER TROUBLE			✓	R1	R1 & R2
Z69	TEL VOICE TROUBLE			✓	R1	R1 & R2
Z70	COMMON TROUBLE			✓	R1	R1 & R2
Z71	SILENCE SWITCH			✓	R1	R1 & R2
Z72	SPRINKLER LOSS OF AIR PRESSURE			✓	R1	R1 & R2
Z73	SPRINKLER LOSS OF WATER PRESSURE			✓	R1	R1 & R2
Z74	SPRINKLER COMPRESSOR LOSS OF POWER			✓	R1	R1 & R2
Z75	SPRINKLER ROOM LOW TEMPERATURE			✓	R1	R1 & R2
Z76	PIPE TRACING PANEL FOR SPRINKLER/STAND PIPE LOSS OF POWER			✓	R1	R1 & R2
Z77	FIRE PUMP LOSS OF POWER			✓	R1	R1 & R2
Z78	FIRE PUMP RUNNING			✓	R1	R1 & R2
Z79	FIRE PUMP PHASE REVERSED			✓	R1	R1 & R2
Z80	GENERATOR LOW BATTERY			✓	R1	R1 & R2
Z81	GENERATOR RUNNING			✓	R1	R1 & R2
Z82	GENERATOR TROUBLE (COMMON)			✓	R1	R1 & R2
Z83	GENERATOR LOW GAS PRESSURE			✓	R1	R1 & R2
Z84	GENERATOR COMBUSTION AIR DAMPER FAULT			✓	R1	R1 & R2
Z85	GAS METER VALVE MONITORING	SV	✓		R1	R1 & R2
Z100	SPARE					
Z101	SNOW MELTING PANEL (P1 LEVEL)			✓	R1	R1 & R2
Z102	SNOW MELTING PANEL (LEVEL 14 AMENITY)			✓	R1	R1 & R2
Z103	PIPE TRACING PANEL (P1 LEVEL)			✓	R1	R1 & R2
Z104	PIPE TRACING PANEL (LEVEL14 AMENITY)			✓	R1	R1 & R2
Z105	MAIN STORAGE TANK - LOW LEVEL			✓	R1	R1 & R2
Z106	MAIN STORAGE TANK - WATER TEMPERATURE			✓	R1	R1 & R2
Z107	MECHANICAL ROOM CO DETECTOR			✓	R1	R1 & R2
Z108	SPARE					
Z109	MAKE-UP AIR UNIT #1	DMSD	✓		R1	R1 & R2
Z110	MAKE-UP AIR UNIT #2	DMSD	✓		R2	R1 & R2
Z111	MAKE-UP AIR UNIT #3	DMSD	✓		R1	R1 & R2
Z112	SPARE					
Z113	SPARE					
Z114	STAIR PRESS SF-1 - STAIR C	DMSD	✓		R1	R1 & R2
Z115	STAIR PRESS SF-2 - STAIR E	DMSD	✓		R2	R1 & R2
Z116	STAIR PRESS SF-3 - STAIR H	DMSD	✓		R2	R1 & R2
Z117	STAIR PRESS SF-5 - STAIR N	DMSD	✓		R1	R1 & R2
Z118	BOILER ROOM SUPPLY SF-4	DMSD	✓		R1	R1 & R2
Z119	SPARE					
Z120	SPARE					
Z121	SPARE					
Z122	SPARE					
Z123	SPARE					
Z124	SPARE					
Z125	SPARE					
Z126	SPARE					
Z127	SPARE					
Z128	SPARE					
Z129	SPARE					
Z130	SPARE					

REFER TO MIRENDA DRAWING SPF FOR COMPLETE PRESSURE SWITCH, FLOW SWITCH & SUPERVISORY VALVE SCHEDULE

VOICE COMMUNICATION

ZONE	DESCRIPTION
VP4	U/G PARKING LEVEL P4
VP3	U/G PARKING LEVEL P3
VP2	U/G PARKING LEVEL P2
VP1	U/G PARKING LEVEL P1
VP1M	U/G PARKING LEVEL P1M
VP1M-2	U/G PARKING LEVEL P1M - SPRINKLER ROOM
VR1-1	LEVEL 1 -
VR1M	LEVEL 1 MEZZANINE -
VR1-2	LEVEL 2 -
VR1-3	LEVEL 3 -
VR1-4	LEVEL 4 -
VR1-5	LEVEL 5 -
VR1-6	LEVEL 6 -
VR1-7	LEVEL 7 -
VR1-8	LEVEL 8 -
VR1-9	LEVEL 9 -
VR1-10	LEVEL 10 -
VR1-11	LEVEL 11 -
VR1-12	LEVEL 12 -
VR1-13	LEVEL 13 - - AMENITYY
VR1-14	LEVEL 14 - - ; - ELEVATOR MACHINE ROOM
VR2-2	LEVEL 2 -
VR2-3	LEVEL 3 -
VR2-4	LEVEL 4 -
VR2-5	LEVEL 5 -
VR2-6	LEVEL 6 -
VR2-7	LEVEL 7 -
VR2-8	LEVEL 8 -
VR2-9	LEVEL 9 -
VR2-10	LEVEL 10 -
VR2-11	LEVEL 11 -
VR2-12	LEVEL 12 -
VR2-13	LEVEL 13 - - AMENITYY
VR2-11	LEVEL 11 - ARTSCAPE
VR2-12	LEVEL 12 - ARTSCAPE
VR2-13	LEVEL 13 - - AMENITYY
VR2-14	LEVEL 14 - ARTSCAPE - ; - ELEVATOR MACHINE ROOM
V15	ALL CALL -
V16	STAIR A
V17	STAIR B
V18	STAIR C
V19	STAIR D
V20	STAIR E
V21	STAIR F
V22	STAIR G
V23	STAIR H
V24	STAIR J
V25	STAIR K
V26	STAIR L
V27	STAIR M
V28	STAIR N
V29	SPARE
V30	SPARE
V31	SPARE
V32	SPARE
V33	SPARE
V34	SPARE
V35	SPARE
V36	SPARE
V37	SPARE
V38	SPARE
V39	SPARE
V40	SPARE

HANDSET ZONES

ZONE	DESCRIPTION
HP4	U/G PARKING LEVEL P4
HP3	U/G PARKING LEVEL P3
HP2	U/G PARKING LEVEL P2
HP1	U/G PARKING LEVEL P1
HP1M-1	U/G PARKING LEVEL P1M
HP1M-2	U/G PARKING LEVEL P1M - SPRINKLER ROOM
HR1-1	LEVEL 1 -
HR1M	LEVEL 1 MEZZANINE -
HR1-2	LEVEL 2 -
HR1-3	LEVEL 3 -
HR1-4	LEVEL 4 -
HR1-5	LEVEL 5 -
HR1-6	LEVEL 6 -
HR1-7	LEVEL 7 -
HR1-8	LEVEL 8 -
HR1-9	LEVEL 9 -
HR1-10	LEVEL 10 -
HR1-11	LEVEL 11 -
HR1-12	LEVEL 12 -
HR1-13	LEVEL 13 - - AMENITYY
HR1-14	LEVEL 14 - - ; - ELEVATOR MACHINE ROOM
HR2-2	LEVEL 2 -
HR2-3	LEVEL 3 -
HR2-4	LEVEL 4 -
HR2-5	LEVEL 5 -
HR2-6	LEVEL 6 -
HR2-7	LEVEL 7 -
HR2-8	LEVEL 8 -
HR2-9	LEVEL 9 -
HR2-10	LEVEL 10 -
HR2-11	LEVEL 11 -
HR2-12	LEVEL 12 -
HR2-13	LEVEL 13 - - AMENITYY
HR2-11	LEVEL 11 - ARTSCAPE
HR2-12	LEVEL 12 - ARTSCAPE
HR2-13	LEVEL 13 - - AMENITYY
HR2-14	LEVEL 14 - ARTSCAPE - ; - ELEVATOR MACHINE ROOM
HY3	
HY6	
HY7	
HY8	
HY9	
H20	

SMOKE MANAGEMENT

ALL FANS AND DAMPER CONTROL TO CONSIST OF ON/OFF/AUTO CONTROL SWITCHES.

AUXILIARY CONTROL	DESCRIPTION	CONTROL LOCATION
AC-1	PARKING EXHAUST P4 - NORTH EF-01	CACF R1 & R2
AC-2	PARKING EXHAUST P4 - SOUTH EF-02	CACF R1 & R2
AC-3	PARKING EXHAUST P3 - NORTH EF-03	CACF R1 & R2
AC-4	PARKING EXHAUST P3 - SOUTH EF-04	CACF R1 & R2
AC-5	PARKING EXHAUST P2 - NORTH EF-05	CACF R1 & R2
AC-6	PARKING EXHAUST P2 - SOUTH EF-06	CACF R1 & R2
AC-7	PARKING EXHAUST P1 - NORTH EF-07	CACF R1 & R2
AC-8	PARKING EXHAUST P1 - SOUTH EF-08	CACF R1 & R2
AC-9	CHILLER ROOM EXHAUST FAN EF-10	CACF R1 & R2
AC-10	AMENITY EXHAUST FAN EF-37	CACF R1 & R2
AC-11	LOADING DOCK EXHAUST EF-42	CACF R1 & R2
AC-12	SPARE	
AC-13	STAIR C - PRESSURIZATION FAN SF-01	CACF R1 & R2
AC-14	STAIR C - PRESSURE RELIEF DAMPERDOOR	(BELOW GRADE STAIR)
AC-15	STAIR C - PRESSURE RELIEF DAMPERDOOR	(ON/AUTO/OFF)
AC-16	STAIR E - PRESSURIZATION FAN SF-02	
AC-17	STAIR E - PRESSURIZATION FAN DAMPER	
AC-18	STAIR E - PRESSURE RELIEF DAMPERDOOR	
AC-19	STAIR H - PRESSURIZATION FAN SF-03	
AC-20	STAIR H - PRESSURIZATION FAN DAMPER	
AC-21	STAIR H - PRESSURE RELIEF DAMPERDOOR	
AC-22	STAIR N - PRESSURIZATION FAN SF-05	
AC-23	STAIR N - PRESSURIZATION FAN DAMPER	
AC-24	STAIR N - PRESSURE RELIEF DAMPERDOOR	
AC-25	SPARE	
AC-26	BOILER ROOM SUPPLY FAN SF-04 SF-04	CACF R1 & R2
AC-27	ELEVATOR ROOM SUPPLY FAN SF-06 MOTORIZED DAMPER	CACF R1 & R2
AC-28	SPARE	
AC-29	MAKE-UP AIR #1 MUA-01	CACF R1 & R2
AC-30	MAKE-UP AIR #2 MUA-02	CACF R1 & R2
AC-31	MAKE-UP AIR #3 MUA-03	CACF R1 & R2
AC-32	SPARE	
AC-33	MAGNETIC LOCK RELEASE	CACF R1 & R2
AC-34	SPARE	
AC-35	ELEVATOR RECALL (ELEV. #1, #2 & #3)	CACF R1
AC-36	ELEVATOR RECALL ARTSCAPE (ELEV. #4 & #5)	CACF R2
AC-37	ELEVATOR RECALL (ELEV. #6, #7 & #8)	CACF R2
AC-38	ELEVATOR RECALL (ELEV. #9)	CACF R1
AC-39	ELEVATOR RECALL COMM. PARKING (ELEV. #10)	CACF R2
AC-40	SPARE	
AC-41	FIRE AGENCY	CACF R1 & R2
AC-42	COMMON TROUBLE	CACF R1 & R2
AC-43	ONGOMA ALARM	CACF R1 & R2
AC-44	SPARE	
AC-45	SPARE	
AC-46	SPARE	
AC-47	SPARE	
AC-48	SPARE	
AC-49	SPARE	
AC-50	SPARE	

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S.C.M. BELLAMY
MCW Consultants Ltd.
207 Queen's Quay West, Suite 815, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@rogers.com
www.mcw.com
Tel: 416-598-2929
Fax: 416-598-0394
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
Daughtry Rutowski Tsai Saini (DRT)

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015-05-05

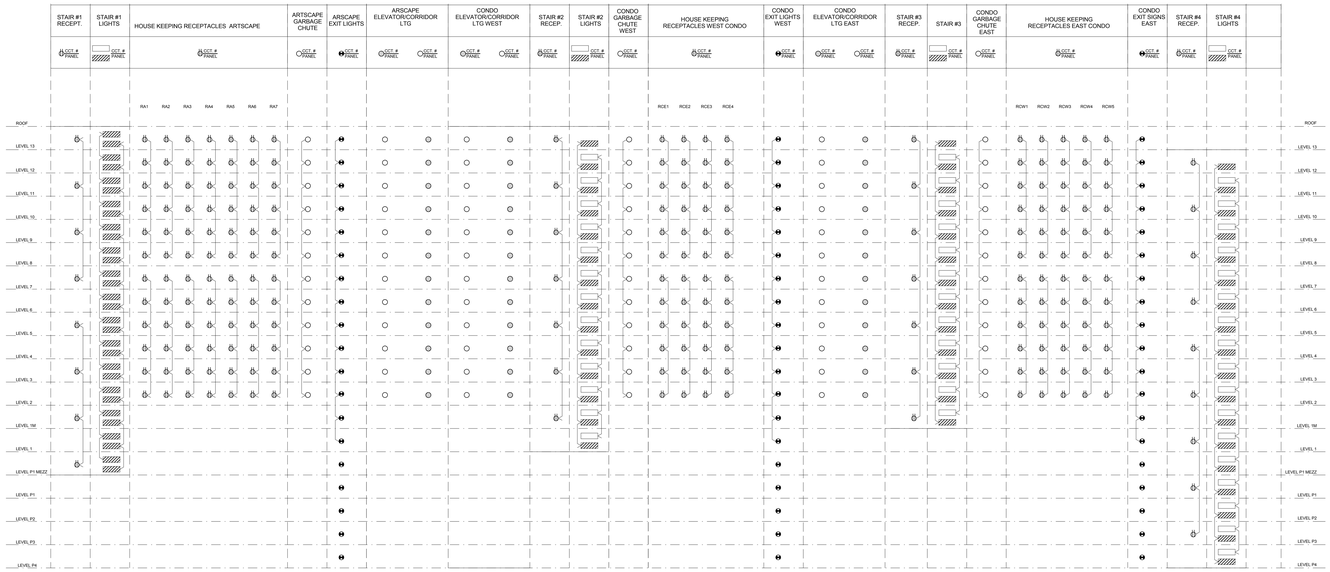
AQUAVISTA
AT BAYSIDE TORONTO

Drawing Type
CONDO - FIRE ALARM SYSTEM ZONE SCHEDULE

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

Scale: N.T.S
Drawn by: Author
Checked by: Checker
Project No: 8489D
Date: 03/09/15
Drawing No: E3-C-04

Plot Date: 2015.03.09 8:29:33 PM File Path: C:\Users\admin\Desktop\3D Documents\8489D - Aquavista - MEP_Holmes.rvt



1 CONDO - COMMON AREA LIGHTING & POWER RISER DIAGRAM, DISPOSAL SYSTEM ROUGH-IN RISER
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S. C. M. BELLAMY
100150683
PROVINCE OF ONTARIO

MCW Consultants Ltd.
207 Queen's Quay West, Suite 810, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-596-2930 Fax: 416-596-0394
Toronto Vancouver Windsor Moncton Ottawa Halifax
Dayton Kelowna Hall Saint John

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015-06-05

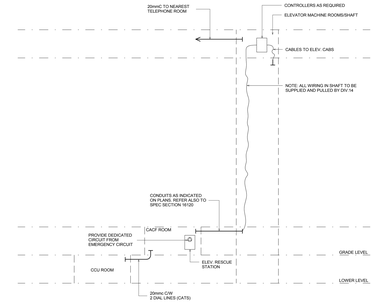
AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
CONDO - COMMON AREA LIGHTING & POWER RISER DIAGRAM, DISPOSAL SYSTEM ROUGH-IN RISER

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

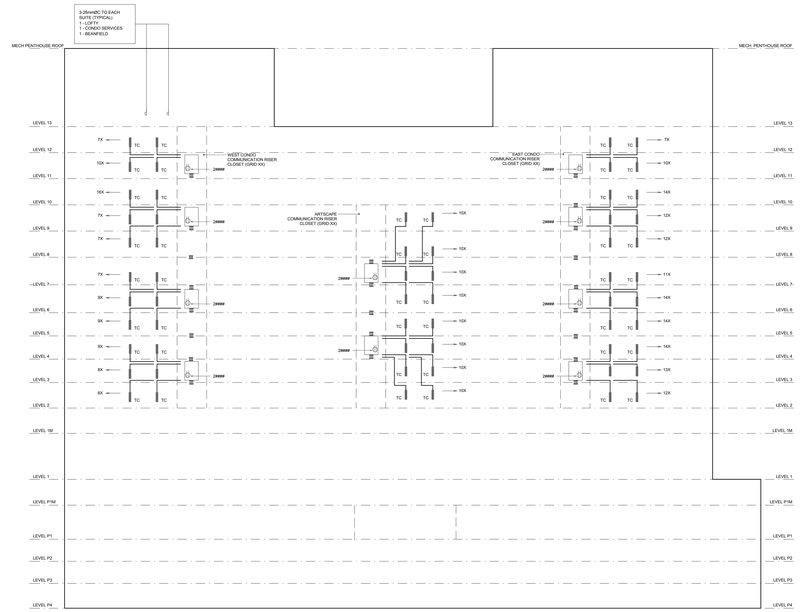
Scale: N.T.S
Drawn by: Author
Checked by: Checker
Project No: 8489D
Date: 03/09/15
Drawing No: E3-C-05

Plot Date: 2015.06.05 8:28:31 PM File Path: C:\Users\administrator.MCW\Documents\8489D - Aquavista - MEP_mmbeck_2.rvt



2 ELEVATOR RESCUE STATION

N.T.S



1 COMMUNICATION RISER DIAGRAM

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MCW Consultants Ltd.
207 Queen's Quay West, Suite 810, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-2928 Fax: 416-598-3284
Toronto Vancouver Windsor Moncton Ottawa Halifax
Dayton Kelowna Hall Saint John

No.	Revision	Date

No.	Issued For	Date
1	ISSUED FOR BUILDING PERMIT	2015.08.05

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

CONDO - COMMUNICATION SYSTEM RISER DIAGRAM

Project

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

Scale	N.T.S
Drawn by	Author
Checked by	Checker
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Date	08/28/12
Drawing No.	E3-C-06

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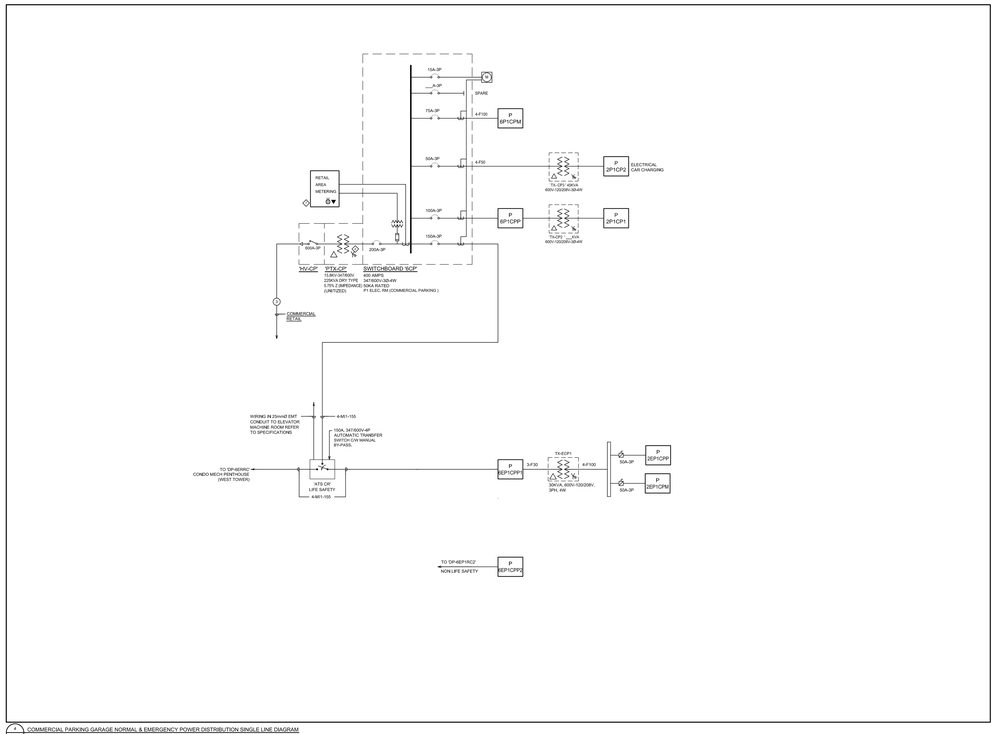

1 COMMERCIAL PARKING GARAGE NORMAL & EMERGENCY POWER DISTRIBUTION SINGLE LINE DIAGRAM
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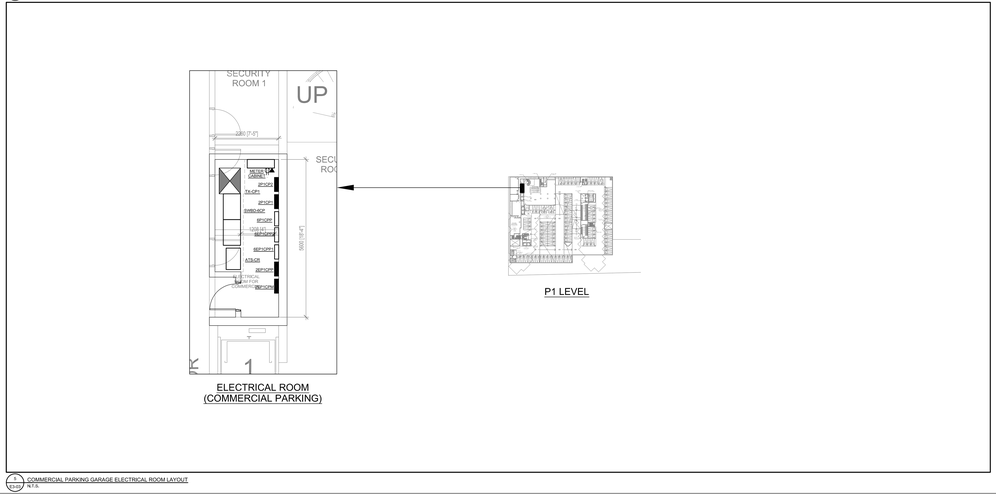

1 COMMERCIAL PARKING GARAGE ELECTRICAL ROOM LAYOUT
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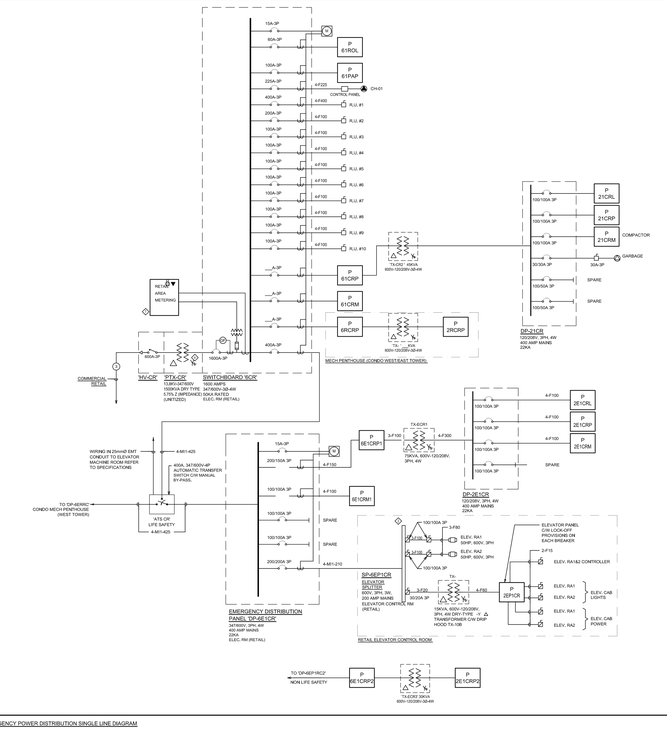

2 COMMERCIAL RETAIL NORMAL & EMERGENCY POWER DISTRIBUTION SINGLE LINE DIAGRAM
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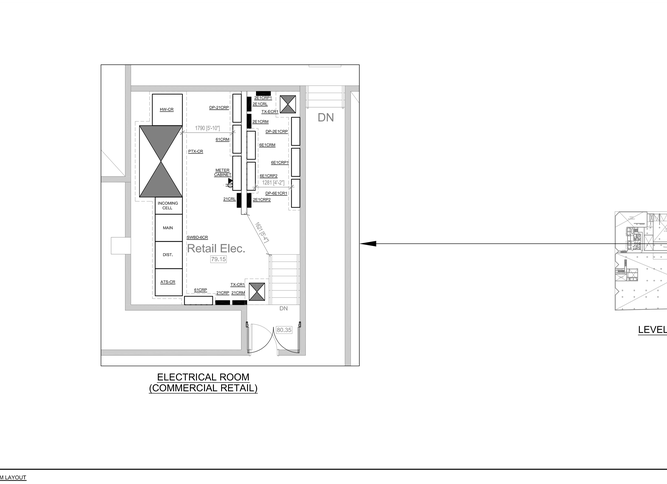
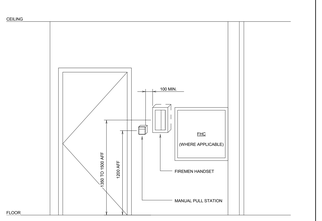
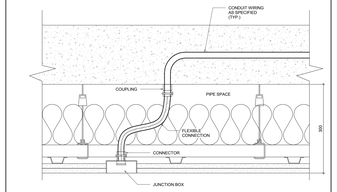
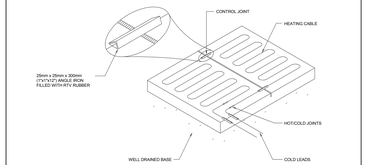




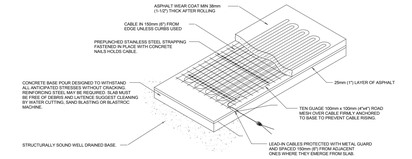
11 TYPICAL DEVICE MOUNTING DETAIL AT STAIR EXIT DOORS
N.T.S.



12 ELECTRICAL CONDUIT INSTALLATION DETAIL & SUSPENDED ACOUSTIC CEILIGN
N.T.S.

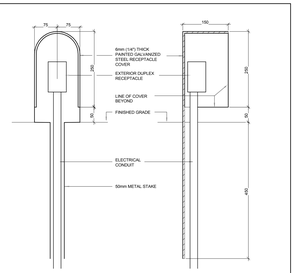


3 HEATING CABLE DETAIL - CONCRETE SLAB AT CONTROL JOINT
N.T.S.

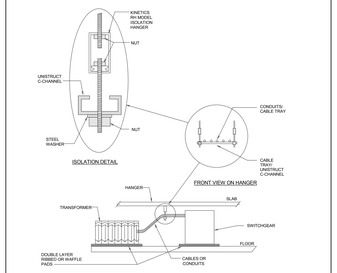


NOTES
1. LEAD-IN CABLE SHOULD BE TERMINATED IN A JUNCTION BOX LOCATED ABOVE SNOW LEVEL TO PREVENT MOISTURE FROM ENTERING THE HEATER.
2. CARE MUST BE TAKEN NOT TO DAMAGE CABLE WITH RAKES, SHOVELS, WHEELBARROWS, ETC.
3. IF WEAR COURSE IS TO BE MACHINE LAID, USE PNEUMATIC TIRED EQUIPMENT.

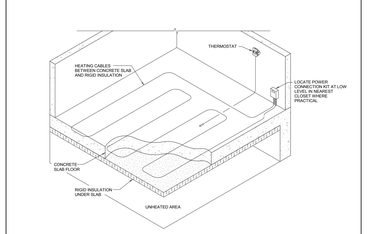
1 HEATING CABLE DETAIL - SNOW MELTING IN ASPHALT WITH CONCRETE BASE
N.T.S.



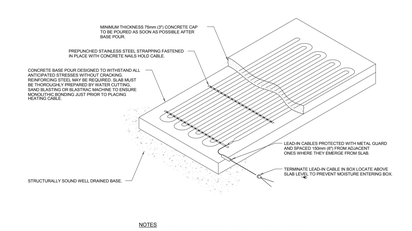
10 LANDSCAPE AREA RECEPTACLE
N.T.S.



9 NOISE REDUCTION HOUSEKEEPING PAD AND SUPPORT HANGERS
1 : 1

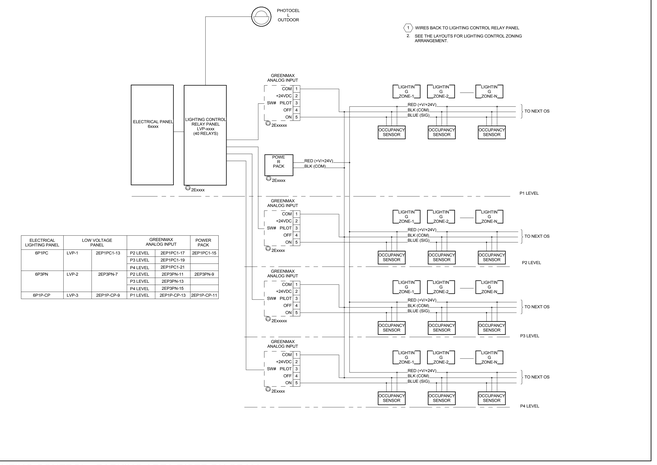


4 TYPE 'B' - HEATING CABLES UNDER SLAB DETAIL
N.T.S.



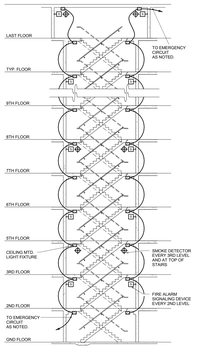
NOTES
1. MAXIMUM SLAB AREA WITHOUT CONTROL OR EXPANSION JOINTS RECOMMENDED FOR A HEATING INSTALLATION 37 SQ.m (400 SQ. FT)., NO GREATER THAN 6m (20 FT.) IN ANY ONE DIRECTION.
2. CARE SHALL BE TAKEN NOT TO DAMAGE CABLE WITH RAKES, SHOVELS, WHEELBARROWS, ETC.

2 HEATING CABLE DETAIL - SNOW MELTING IN CONCRETE (TWO POUR METHOD)
N.T.S.

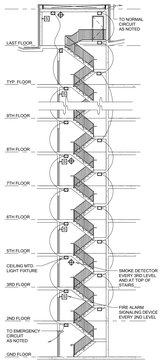


ELECTRICAL LIGHTING PANEL	LOW VOLTAGE PANEL		GREENMAX ANALOG INPUT		POWER PACK
6P1PC	LVP-1	2EP1PC1-13	P2 LEVEL	2EP1PC1-17	2EP1PC1-15
			P3 LEVEL	2EP1PC1-19	
			P4 LEVEL	2EP1PC1-21	
6P3PN	LVP-2	2EP3PN-7	P2 LEVEL	2EP3PN-11	2EP3PN-9
			P3 LEVEL	2EP3PN-13	
			P4 LEVEL	2EP3PN-15	
6P1P-CP	LVP-3	2EP1P-CP-9	P1 LEVEL	2EP1P-CP-13	2EP1P-CP-11

8 LIGHTING CONTROL - PARKING AREA RISER DIAGRAM
N.T.S.



7 TYPICAL SCISSOR STAIR
N.T.S.



6 TYPICAL CROSS OVER STAIR
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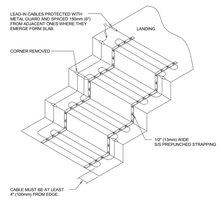

NOTE
WHEN USING THE TWO POUR METHOD, BASE SLAB MUST BE CLEAN, WETTED AND THEN COATED WITH A CEMENT SLURRY. SLURRY MUST NOT DRY BEFORE TOP CAP IS POURED.

5 HEATING CABLE DETAIL - SNOW MELTING CABLE LAYOUT ON STAIRS
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S. C. M. BELLAMY
100150668
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

MCW Consultants Ltd.
257 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-2600 Fax: 416-598-5304
Toronto Vancouver Windsor Moncton Ottawa Halifax
Daughin Kennedy Hall Saint John

No.	Revision	Date
1	ISSUED FOR BUILDING PERMIT	2015.06.05

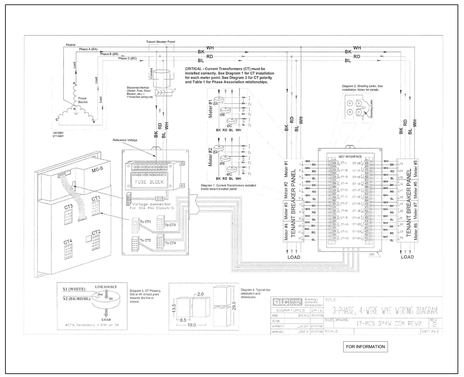
No.	Issued For	Date

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
MISCELLANEOUS DETAILS - ELECTRICAL

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

Scale	N.T.S.
Drawn by	Author
Checked by	Checker
Project No.	8489D
Date	03/06/15
Drawing No.	E4-01



6 QUADLOGIC 3 PHASE 4 WIRE 120/208V WIRING DIAGRAM

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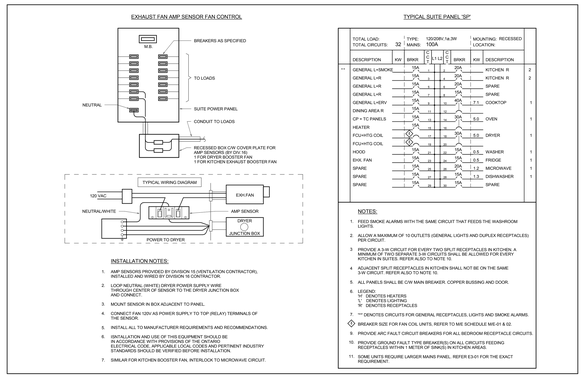

8 TYPICAL SUITE PANEL INSTALLATION

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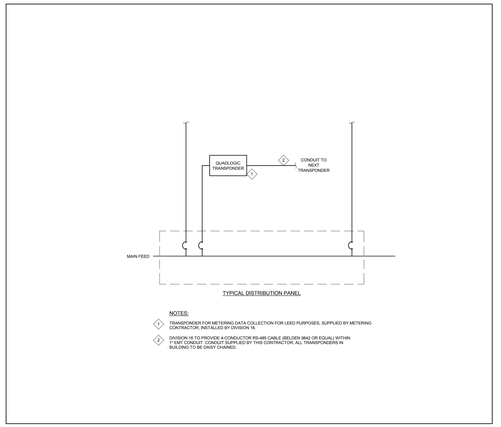

2 TYPICAL QUADLOGIC TRANSPONDER DETAIL

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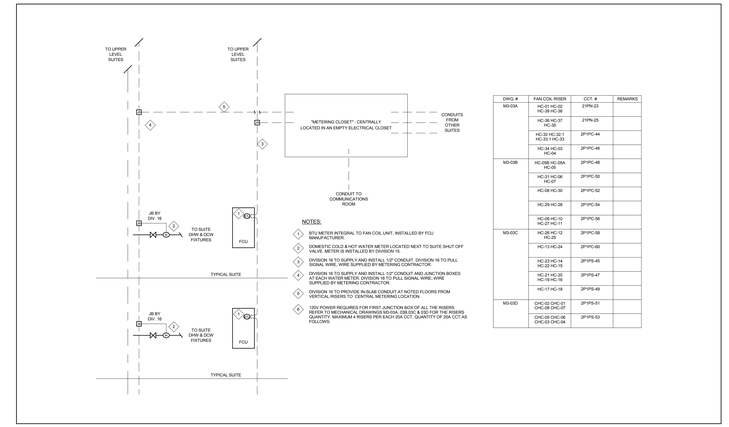

DWG. #	FAN COIL RISER	CCT #	REMARKS
M3-03A	HC-01 HC-02 HC-19 HC-38	21PN-23	
	HC-36 HC-37 HC-39	21PN-25	
	HC-32 HC-33 1 HC-33 1 HC-35	21PC-44	
	HC-34 HC-03 HC-04	21PC-46	
M3-03B	HC-05B HC-05A HC-06	21PC-48	
	HC-31 HC-06 HC-07	21PC-50	
	HC-08 HC-30	21PC-52	
	HC-29 HC-28	21PC-54	
	HC-09 HC-10 HC-27 HC-11	21PC-56	
M3-03C	HC-26 HC-12 HC-25	21PC-58	
	HC-13 HC-24	21PC-60	
	HC-23 HC-14 HC-22 HC-15	21PS-45	
	HC-21 HC-20 HC-19 HC-16	21PS-47	
	HC-17 HC-18	21PS-49	
M3-03D	CHC-02 CHC-01 CHC-08 CHC-07	21PS-51	
	CHC-05 CHC-06 CHC-03 CHC-04	21PS-53	

1 QUADLOGIC TRANSPONDER METERING DETAIL

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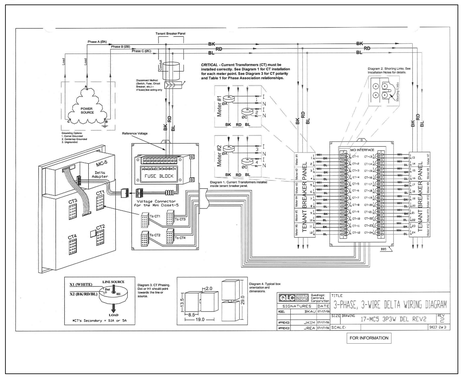
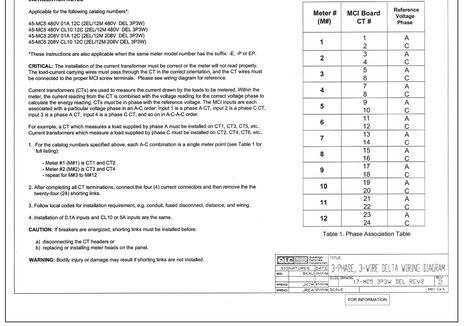


5 QUADLOGIC 3 PHASE 3 WIRE 120/208V WIRING DIAGRAM

N.T.S



4 QUADLOGIC 3 PHASE 3 WIRE 120/208V WIRING DIAGRAM - INSTALLATION NOTES

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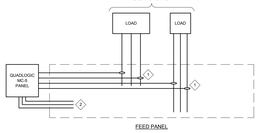

3 TYPICAL MECHANICAL EQUIPMENT METERING DETAIL

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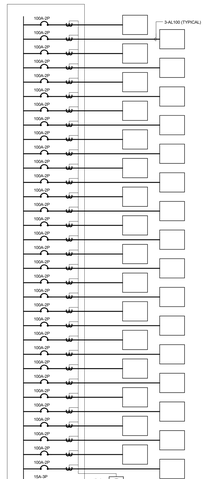

TYPICAL SUITE DISTRIBUTION PANEL (MAX. 32 SUITES)
(REFER TO MECHANICAL DRAWINGS M3-02A, 03B,03C & 03D FOR THE RISERS QUANTITY. (REFER TO INDIVIDUAL DISTRIBUTION PANELS FOR EXACT QUANTITIES OF SUITE FEEDERS.) SOME UNITS REQUIRE LARGER MAINS PANEL. REFER E3-01 FOR THE EXACT REQUIREMENT.

NOTES:
SUPPLIED BY TORONTO HYDRO, INSTALLED BY ELECTRICAL CONTRACTOR.

7 TYPICAL SUITE DISTRIBUTION PANEL

N.T.S

Contractor Must Check And Verify All Dimensions On The Job.
Do Not Scale The Drawings.
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This Drawing Is Not To Be Used For Construction Until Signed By The Architect.

Date: 03/06/15

S. C. M. BELLAMY
100128611
PROVINCE OF ONTARIO
MCW
MCW Consultants Ltd.
257 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7
E-Mail: mcw_to@mcw.com
www.mcw.com
Tel: 416-598-2929
Fax: 416-598-5364
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
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