Site Instruction

MCW Consultants Ltd.

Date: May 15, 2017

Queen's Quay Terminal
207 Queen's Quay West, Suite 615
Toronto, Ontario M5J 1A7

Phone (416) 598-2920
Fax (416) 598-5394
www.mcw.com

Project Name: AQUAVISTA - Bayside
Client: TRIDEL Corporation
To: TRIDEL Corporation
Attention: Chadi Loza
Fax number: -

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

Project No.: 8489D
SI No.: E 019
Page No.: 1 of 1+ 5 attached
Office: Toronto
From: Sunanda Perera
Tao Li

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

Title: Addition – WiFi Access Points.

Specification:

Spec	Issued	Items
		• N/A

Electrical:

Drawing No.	Drawing Issued	Items
E0-01	Yes	• Add WiFi access point symbol as shown.
E1-03	Yes	• Add WiFi access points in amenity area and provide power from panel 'P-2P1RCAP' existing 15A/1P spare breaker as shown.
E2-01A	Yes	• Add WiFi access point in west main lobby and provide power from panel 'P-2P1RCAP' adding 15A/1P breaker as shown. • Add WiFi access point in east main lobby and provide power from panel 'P-2P1RCPE' existing 15A/1P spare breaker as shown.
E2-03A	Yes	• Add WiFi access points in amenity area and provide power from panel 'P-22RCAP' existing 15A/1P spare breaker as shown.
E2-03B	Yes	• Add WiFi access point in pool area and provide power from panel 'P-22RCAP' existing 15A/1P spare breaker as shown.

Exact locations to be coordinated on site.

ME Schedule:

Drawing No.	Drawing Issued	Items
		N/A

Reason for Issue – Design Coordination/Owner Request.

End of SI-E019

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GENERAL POWER

- 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
- 120/208V1; 30 AMP DRYER OUTLET
- 120/208V1; 60 AMP RANGE OUTLET
- 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
- (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

KITCHEN APPLIANCES

- 15A, 120V-1Ø DUPLEX RECEPTACLE FOR DISHWASHER, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 15A, 120V-1Ø DUPLEX RECEPTACLE FOR FRIDGE, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 15A, 120V-1Ø DUPLEX RECEPTACLE FOR UNDER-COUNTER FRIDGE, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 15A, 120V-1Ø DUPLEX RECEPTACLE, EFCR KITCHEN HOOD, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 30A, 120/208V-1Ø N-14-30R) RECEPTACLE FOR DRYER, LOCATED ON INTERIOR DESIGN DRAWINGS
- 15A, 120V-1Ø DUPLEX RECEPTACLE FOR WASHER, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 15A, 120V-1Ø DUPLEX RECEPTACLE FOR WASHER, AND 30A, 120/208V-1Ø N-14-30R) RECEPTACLE FOR DRYER, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 50A, 120V/208V-1Ø (14-50R) RECEPTACLE FOR STOVE, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 20A, 120V-1Ø DUPLEX RECEPTACLE FOR MICROWAVE, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 20A, 120V/208V-1Ø# DIRECT CONNECTION FOR BUILT-IN OVEN, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 15A, 120V/208V-1Ø DUPLEX RECEPTACLE FOR EXHAUST FAN, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS
- 40A, 120V/208V-1Ø DIRECT CONNECTION FOR BUILT IN COOKTOP, LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS

LIGHTING

- LINEAR FLUORESCENT LUMINAIRE, TYPE 'A' AS SPECIFIED. HATCHING DENOTES CONNECTED TO EMERGENCY/NIGHT LIGHTING CIRCUIT
- CEILING MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED
- WALL MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED
- POLE MOUNTED LUMINAIRE, TYPE 'HY' AS SPECIFIED
- DOUBLE SURFACE MOUNTED EMERGENCY LIGHTING REMOTE HEADS, TYPE 'BU-1' INDICATES BATTERY BANK FED FROM
- CEILING MOUNTED EMERGENCY LIGHTING REMOTE HEAD
- EMERGENCY LIGHTING BATTERY UNIT C/W DUPLEX RECEPTACLE AND DOUBLE REMOTE HEADS, TYPE 'BU-1' AS SPECIFIED
- WALL MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN. 'BU-1' 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.
- CEILING MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN. TWO COUNTER HEADS TO BE PROVIDED WHERE BI-DIRECTIONAL IS SHOWN ON THE LAYOUT

OCCUPANCY SENSOR SCHEDULE

SYMBOL		MANUFACTURER MODEL No.	DESCRIPTION
OS	1	WATT STOPPER DW 100	WALL SWITCH OCCUPANCY SENSOR WITH MANUAL ON/OFF AND DAYLIGHT SENSOR ON/OFF
OS	2	WATT STOPPER PW 100	WALL SWITCH OCCUPANCY SENSOR WITH MANUAL ON/OFF OVER RIDE
OS	3	WATT STOPPER PW 100	WALL SWITCH OCCUPANCY SENSOR WITH MANUAL ON/OFF OVER RIDE. 3-WAY
OS	4	WATT STOPPER WI2000-H	ULTRA SONIC CEILING SENSOR WITH 90 LINEAR COVERAGE
OS	5	WATT STOPPER LMDC-100	DIGITAL DUAL TECHNOLOGY CEILING SENSOR WITH 1000 SQ. FT. COVERAGE
OS	6	WATT STOPPER LT-355-2	CEILING MOUNTED ULTRASONIC SENSOR WITH 1000 SQ. FT. COVERAGE
OS	7	WATT STOPPER DT-200	CEILING MOUNTED DUAL TECHNOLOGY SENSOR WITH 1000 SQ. FT. COVERAGE
OS	8	WATT STOPPER CB-100-1	PIR OCCUPANCY SENSOR FOR COLD TEMPERATURE WITH 90 DIRECTIONAL LINEAR COVERAGE (PROVIDE POWER PACKS) AS REQUIRED
OS	9	WATT STOPPER CX-100	CORNER MOUNTED PASSIVE INFRARED SENSOR C/W POWER PACK
OS	10	LEVITON ODC05-MDW	CEILING MOUNTED INTEGRATED OCCUPANCY SENSOR, POWER BACK, AND PHOTOCELL IN SELF CONTAINED UNIT
OS	11	WATT STOPPER TS-400	DIGITAL TIME SWITCH WITH PRE-SET ON/OFF OPERATION
OS	12	WATT STOPPER HDLS455	LOW VOLTAGE MASTER SWITCH TO CONTROL CORRIDORS, OFFICES AND OPEN OFFICE AREAS

LIGHTING CONTROL

- ONE, TWO, THREE AND FOUR GANG SINGLE POLE TOGGLE SWITCHES
- 3-WAY SWITCH
- 4-WAY SWITCH
- KEY OPERATED LIGHT SWITCH
- TOGGLE SWITCH C/W RED PILOT LIGHT
- DOOR LIGHT SWITCH
- SWITCH MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED
- FAN CONTROL SWITCH
- VARIABLE SPEED FAN CONTROL SWITCH
- MANUAL TIMER SWITCH
- MASTER SWITCH
- DIMMER SWITCH, TYPE 'A' AS SPECIFIED
- PROGRAMMABLE TIME CLOCK, TYPE 'A' AS SPECIFIED
- CEILING MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED
- PHOTO ELECTRIC CONTROL
- LOW VOLTAGE RELAY
- LOW VOLTAGE RELAY PANEL, TYPE 'A' AS SPECIFIED
- LOW VOLTAGE CONTROL STATION, TYPE 'LVS1' AS SPECIFIED
- LOW VOLTAGE CONTROL SYSTEM MASTER STATION

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
  - 'C' - DENOTES CEILING
  - 'F' - DENOTES FLOOR
  - 'W' - DENOTES WALL
- MOTOR CONNECTION AS SPECIFIED
- MOTOR CONNECTION C/W UNFUSED DISCONNECT SWITCH
- MOTOR CONNECTION C/W FUSED DISCONNECT SWITCH
- MOTOR CONNECTION C/W LOOSE STARTER
- MOTOR STARTER AS SPECIFIED
- UNFUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- HAIR DRYER
- HAND DRYER
- CONTACTOR - SIZE AND NUMBER OF POLES AS SPECIFIED
- RELAY
- THERMOSTAT PROVIDED AND WIRED BY ELECTRICAL
- THERMOSTAT PROVIDED BY MECHANICAL AND WIRED BY ELECTRICAL
- CARBON MONOXIDE DETECTOR SUPPLIED AND INSTALLED BY MECHANICAL ROUGH-IN BY ELECTRICAL
- MASTER CLOCK CONTROL PANEL
- CLOCK HANGER OUTLET C/W CLOCK
- CLOCK HANGER OUTLET ONLY
- POWER ACTUATED 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 SUITE PANEL
- SURFACE MOUNTED ELECTRICAL PANEL - 'SP' DENOTES SUITE PANEL
- CARBON MONOXIDE DETECTOR TO BE SUPPLIED, INSTALLED AND WIRED BY DIV. 16. THIS CONTRACTOR SHALL RUN A 20AWG EC FROM DETECTOR TO CORRESPONDING CARBON MONOXIDE DETECTION CONTROL PANEL. VERIFY EXACT LOCATIONS OF CARBON MONOXIDE DETECTORS AND SHUT DOWN DEVICES AT APPROXIMATELY 2'-0"(50mm A.F.F.) ON WALL OR COLUMN.

POWER DISTRIBUTION

- POWER TRANSFORMER
- POWER TRANSFORMER C/W ELECTROSTATIC SHIELD
- CURRENT CONTROL TRANSFORMER
- INCOMING POWER INTERRUPTER SWITCH
- DISCONNECT SWITCH
- MOLDED CASE CIRCUIT BREAKER
- DRAW OUT AIR CIRCUIT BREAKER
- FIXED AIR CIRCUIT BREAKER
- FUSE
- INCOMING POWER INTERRUPTER SWITCH
- KAHR METER
- DIGITAL METERING SYSTEM
- BUS DUCT
- AUTOMATIC TRANSFER SWITCH - 'BP' DENOTES ISOLATION BYPASS SWITCH
- EMERGENCY GENERATOR
- EMERGENCY LIGHTING INVERTER
- UNINTERRUPTIBLE POWER SUPPLY

FIRE ALARM SYSTEM

- PULL STATION
- FLUSH MOUNTED BELL
- 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
- FLUSH MOUNTED SPEAKER WITH STROBE - WALL OR CEILING MOUNTED
- SURFACE MOUNTED SPEAKER WITH STROBE - 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
- 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 & STROBE C/W RED INDICATION LIGHT - WALL OR CEILING MOUNTED
- SINGLE STATION TYPE CARBON MONOXIDE DETECTOR C/W RED INDICATION LIGHT - WALL OR CEILING MOUNTED
- CARBON MONOXIDE DETECTOR - WALL OR CEILING MOUNTED
- SPRINKLER SYSTEM FLOW DIR PRESSURE SWITCH BY MECHANICAL AND WIRED BY ELECTRICAL. COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
- SPRINKLER SYSTEM DR 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
- DOOR HOLDER
- MOTORIZED DAMPER BY MECHANICAL AND WIRED BY ELECTRICAL. COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS
- RECESSED MOUNTED - FIRE ALARM CONTROL PANEL
- SURFACE MOUNTED - FIRE ALARM CONTROL PANEL
- RECESSED MOUNTED - FIRE ALARM ANNUNCIATOR PANEL
- SURFACE MOUNTED - FIRE ALARM ANNUNCIATOR PANEL
- RECESSED MOUNTED - CENTRAL MONITORING AND EVACUATION FACILITIES
- SURFACE MOUNTED - CENTRAL MONITORING AND EVACUATION FACILITIES
- END OF LINE RESISTOR
- REMOTE TROUBLE SIGNAL
- ADDRESSABLE MODULE
- SUPERVISOR CONTACT

ELECTRICAL CAR CHARGING STATION

- PROVIDE SINGLE GANG BOX, 20mmØC CONDUIT AND 20A, 120V-1Ø (5-20R) RECEPTACLE FOR TYPE 1 ELECTRICAL CAR CHARGE STATION. LOCATED AS SHOWN ON FLOOR PLANS
- PROVIDE TWO GANG BOX, 20mmØC CONDUIT AND 30A, 208V-1Ø (6-30R) RECEPTACLE FOR TYPE 2 ELECTRICAL CAR CHARGE STATION. LOCATED AS SHOWN ON FLOOR PLANS
- PROVIDE SINGLE GANG BOX, 20mmØC CONDUIT AND BLANK COVER FOR TYPE 2 ELECTRICAL CAR CHARGE STATION ROUGH-IN. LOCATED AS SHOWN ON FLOOR PLANS
- PROVIDE TWO GANG BOX, 20mmØC CONDUIT AND 20A, 120V-1Ø (5-20R) RECEPTACLE FOR TYPE 1 MODIFIED TO ACCOMMODATE TYPE 2 ELECTRICAL CAR CHARGE STATION IN FUTURE. LOCATED AS SHOWN ON FLOOR PLANS.

SECURITY AND ACCESS SYSTEMS

- SECURITY SYSTEM CONTROL PANEL
- KEY PAD
- CARD READER
- INFRA RED READER
- REQUEST TO EXIT BUTTON
- EGRESS MOTION DETECTOR
- DOOR CONTACT
- PATIO DOOR CONTACT
- WINDOW CONTACT
- OVERHEAD DOOR CONTACT
- POWER LOCK
- ELECTRIC STRIKE C/W DOOR CONTACT, AUDIBLE ALARM AND EGRESS MOTION DETECTOR
- AUDIBLE ALARM
- MOTION DETECTOR
- GLASS BREAK DETECTOR
- AUTOMATIC DOOR OPENER
- CLOSED CIRCUIT CAMERA
  - 'B' - DENOTES BOX ENCLOSURE
  - 'D' - DENOTES DOME ENCLOSURE MOUNT
  - 'I' - DENOTES PEDESTAL MOUNT
  - 'PTZ' - DENOTES PAN TILT ZOOM
  - 'W' - WEDGE ENCLOSURE
- SECURITY SYSTEM MONITOR
- MAGLOCK DEVICE
- MAGLOCK RESET SWITCH
- KEY SWITCH
- CODE BLUE SPEAKER PHONE
- CODE BLUE INTEGRATED UNIT C/W ACCESSORIES, POLE OR PEDESTAL MOUNTED
- ALARM SOUNDER
- PANIC ALARM
- SECURITY ALARM CONTACT FOR MECHANICAL EQUIPMENT
- SECURITY DOOR RELEASE
- SURFACE CONTROL PANEL - 'SP' DENOTES SECURITY PANEL

ELECTRIC HEATING

- ELECTRIC BASEBOARD HEATER, TYPE 'BBH1' AS SPECIFIED
- ARCHITECTURAL DRAFT BARRIER HEATER, TYPE 'DBH1' AS SPECIFIED
- ELECTRIC KICKSPACE HEATER, TYPE 'KSH1' AS SPECIFIED
- ELECTRIC DROP-IN HEATER, TYPE 'DIH1' AS SPECIFIED
- CABINET UNIT HEATER, TYPE 'CUH1' AS SPECIFIED
- RECESSED MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE 'FFH1' AS SPECIFIED
- SURFACE MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE 'FFH1' AS SPECIFIED
- ELECTRIC UNIT HEATER, TYPE 'UH1' AS SPECIFIED
- AREA OF 9NO# MELTING CABLE - TYPE 'S1' AS SPECIFIED
- HEAT TRACING CABLE AROUND HORIZONTAL PIPE - TYPE 'S02' AS SPECIFIED
- HEAT TRACING CABLE AROUND VERTICAL PIPE - TYPE 'S01' AS SPECIFIED

MISCELLANEOUS

- INDICATES EXISTING DEVICE TO REMAIN
- INDICATES EXISTING DEVICE TO BE MOVED
- INDICATES EXISTING DEVICE IN RELOCATED POSITION
- INDICATES EXISTING DEVICE TO BE DEMOLISHED
- INDICATES CONDUIT
- (CN#) ELECTRICAL DRAWING NOTES

STRUCTURAL REQUIREMENTS:

1. REFER TO STRUCTURAL DRAWING TYPICAL DETAILS.
2. AREA OF CONDUITS NOT TO EXCEED 1% OF COLUMN CROSS SECTIONAL AREA. CONDUITS OTHER THAN THOSE SHOWN MAY NOT HAVE ANY CONDUIT PERMITTED DUE TO THEIR CRITICAL NATURE.
3. CONDUITS TO BE PLACED WITHIN MIDDLE 1/3 OF SLAB OR WALL THICKNESS.
5. OUTSIDE DIAMETER OF CONDUITS NOT TO EXCEED 1/3 OF SLAB OR WALL THICKNESS.
6. MINIMUM CENTRE TO CENTRE SPACING OF ADJACENT CONDUITS = 6 X LARGER CONDUIT DIAMETER.
7. CONDUITS TO BE LOCATED A MINIMUM OF 600mm FROM FACES OF COLUMNS.
8. CONDUITS TO BE LOCATED A MINIMUM OF 600mm FROM THE ENDS OF STUDWALLS THAT MAY BE PLACED AROUND COLUMNS.
9. CROSS CONDUITS AT 60 DEGREES.
10. REFER TO DETAIL DRAWING AND SPECIFICATION FOR CONDUIT CROSSING EXPANSION JOINT.

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 ON CEILING SLAB C/W 2" (53mm) 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
- AMPLIFIER
- CONSOLE OR RACK C/W TERMINAL BOX
- SURFACE CONTROL PANEL - 'CP' DENOTES COMMUNICATION PANEL
- WIRELESS ACCESS POINT CEILING MOUNTED UNLESS OTHERWISE SPECIFIED. (2 GANG BOX WITH ONE 120V DUPLEX AND A SINGLE GANG FOR COMMUNICATION WIRING)

GENERAL NOTES:

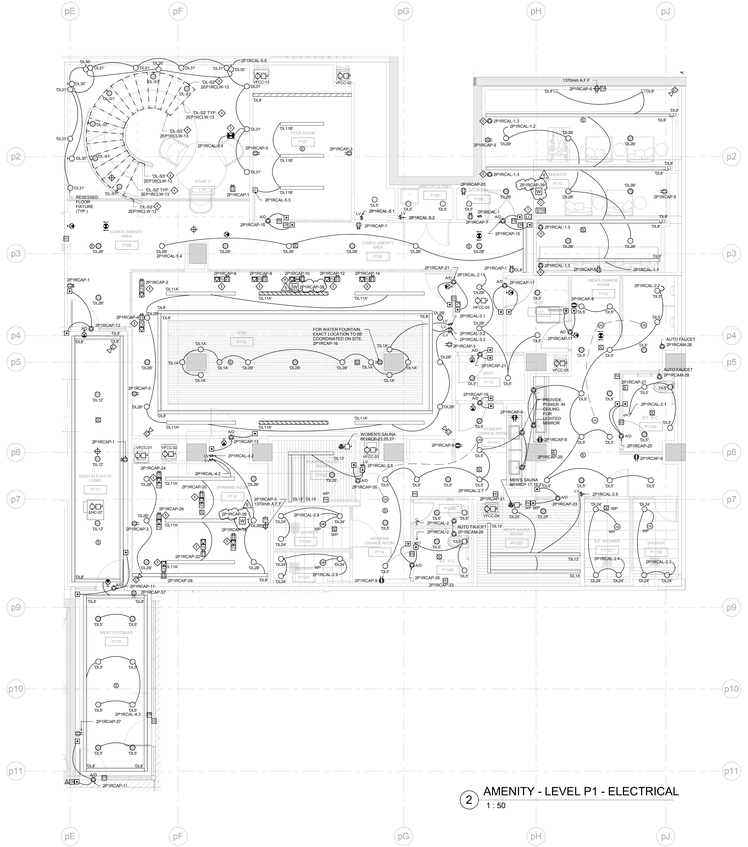
1. MINIMUM CONDUIT SIZE SHALL BE 21mm UNLESS NOTED OTHERWISE.
2. MOUNTING HEIGHT OF ALL EQUIPMENT/DEVICES SHOWN IN SYMBOL LEGEND ARE TO BE MEASURED WITH RESPECT TO THE CENTER OF THE RELATED EQUIPMENT/DEVICE.
3. ALL EXIT SIGNS IN EXPOSED AREAS NOT INDICATED AS WALL MOUNTED SHALL BE SUSPENDED ON CONDUIT WITH SWIL(ALIGNERS SUCH THAT EXITS ARE VISIBLE BELOW BEAMS/STRUCTURES/ MECHANICAL PIPING etc. COORDINATE EXACT LOCATION ON SITE PRIOR TO INSTALLATION.
4. ALL FLUORESCENT FIXTURES IN PARKING LEVELS SHALL BE CHAIN SUSPENDED FROM THE UNDERSIDE OF PARKING STRUCTURES. COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION.
5. PROVIDE LOCKABLE ENCLOSURES WITH COMMON KEY ON ALL STARTERS AND DISCONNECT SWITCHES LOCATED IN PUBLIC AREAS. KEYS SHALL BE HANDED OVER TO OWNER AT END OF PROJECT.
6. REFER TO LIGHTING AND POWER RISER DETAILS FOR COMMON AREAS AND STAIRWELL CIRCUITING.
7. ALL EXIT LIGHTS WITHIN PARKADE AREA SHALL BE TYPE 'EY' UNLESS NOTED OTHERWISE.
8. ALL EXIT LIGHTS WITHIN COMMON PUBLIC AREAS EXCLUDING PARKADE AREAS SHALL BE TYPE 'EX' UNLESS NOTED OTHERWISE.
9. REFER TO ACOUSTICAL REPORT FOR THE SPECIFIC REQUIREMENT FOR ELECTRICAL INSTALLATION & PROVISIONS.

SUITE NOTES:

1. KITCHEN EQUIPMENT IS SHOWN FOR SCOPE PURPOSES ONLY. EXACT LAYOUTS TO BE BASED ON INDIVIDUAL SHOP DRAWINGS. (TYPICAL)
2. ALL LIGHT SWITCHES IN SUITES TO BE MOUNTED 1100mm A.F.F. TO THE TOP AND ALL RECEPTACLES IN SUITES TO BE PLACED AS PER INTERIOR DESIGN DRAWINGS. (TYPICAL)
3. WHEN MORE THAN ONE SMOKE ALARM OR COMBINATION SMOKE ALARM/ CO DETECTOR IS REQUIRED IN A DWELLING UNIT, THE DETECTORS SHALL BE WIRED SO THAT THE ACTUATION OF ONE WILL CAUSE ALL DETECTORS WITHIN THE DWELLING UNIT TO SOUND. (TYPICAL)
4. OUTLET MOUNTED ON SIDE OF KITCHEN COUNTER. INSTALL VERTICALLY 150mm BELOW COUNTER TOP AND 100mm FROM END OF SIDE CABLE. (TYPICAL)
5. ALL RECEPTACLES IN SUITES TO BE MOUNTED 400mm A.F.F. TO THE TOP. (TYPICAL)
6. ALL TV OUTLETS AND ASSOCIATED RECEPTACLES IN SUITES TO BE MOUNTED 1200mm A.F.F. TO THE TOP UNLESS OTHERWISE NOTED.
7. SEE MECHANICAL DRAWING FOR EWI WIRING DETAIL.
8. ALL RECEPTACLES IN KITCHEN WITHIN 1m OF SINK SHALL BE PROVIDED WITH A 20AMP T-SLOT (5-20RA) GFI RECEPTACLE.
9. BALCONY RECEPTACLES SHALL BE CKI PROTECTED OR INCLUDED WITH GROUND FAULT PROTECTION.
10. RECEPTACLE LOCATED BETWEEN 900mm~1000mm FROM A BATH TUB OR SHOWER STALL SHALL BE WIRED THROUGH A GFCI BREAKER. REFER TO ONTARIO ELECTRICAL SAFETY CODE' 30-320 FOR DETAIL.

DWG NO.	DRAWING NAME	SCALE	ISSUED FOR TENDER 2015-10-15	ISSUED FOR CONSTRUCTI ON 2016-04-21	BUILDING PERMIT RESUBMISSION 2017-04-25
E0-01	ELECTRICAL SYMBOL LEGEND, DRAWING LIST & GENERAL NOTES	N.T.S.	•	•	•
E0-02	SITE PLAN - ELECTRICAL	1:150	•	•	•
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 / AMENITY - LEVEL PT-ELECTRICAL	AS NOTED	•	•	•
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	•	•	•
E2-10A	LEVEL 9 FLOOR PLAN NORTH - ELECTRICAL	1:50	•	•	•
E2-10B	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	•	•	•
E2-11C	LEVEL 10 FLOOR PLAN - SUITE 1015 (Dino) - 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	•	•	•
E2-14A	LEVEL 13 FLOOR PLAN NORTH - ELECTRICAL	1:50	•	•	•
E2-14B	LEVEL 13 FLOOR PLAN SOUTH - ELECTRICAL	1:50	•	•	•
E2-15	LEVEL 14 FLOOR PLAN - ELECTRICAL	1:75	•	•	•
E3-01-RC	CONDO - SINGLE LINE DIAGRAM	N.T.S.	•	•	•
E3-02-RA	ARTSCAPE - SINGLE LINE DIAGRAM	N.T.S.	•	•	•
E3-03-CP/CR	COMMERCIAL PARKING / COMMERCIAL RETAIL - SINGLE LINE DIAGRAM	N.T.S.	•	•	•
E4-01	COMMON AREA LIGHTING & POWER RISER DIAGRAM	N.T.S.	•	•	•
E4-02	TYPICAL SUITE DISTRIBUTION PANEL & TYPICAL SUITE PANEL SCHEDULES	N.T.S.	•	•	•
E4-03	FIRE ALARM RISER DIAGRAM	N.T.S.	•	•	•
E4-04	FIRE ALARM SCHEDULES	N.T.S.	•	•	•
E4-04A	FIRE ALARM SEQUENCE OF OPERATION	N.T.S.	•	•	•
E4-05	COMMUNICATION SYSTEM RISER DIAGRAM	N.T.S.	•	•	•
E4-06	SECURITY RISER DIAGRAM & DETAILS	N.T.S.	•	•	•
E5-01	ELECTRICAL ROOM DETAIL - ELECTRICAL	AS NOTED	•	•	•
E5-02	MISCELLANEOUS DETAILS - ELECTRICAL	N.T.S.	•	•	•
E

1 LEVEL P1 MEZZANINE - ELECTRICAL
1 : 100



2 AMENITY - LEVEL P1 - ELECTRICAL
1 : 50

NOTES:

1. LOCAL LIGHTING CONTROL WITH VACANCY SENSOR - WATTSTOPPER OR EQUIVALENT LMDM-100 SCENE SWITCH WITH DIMMING. ROOM CONTROLLER LMRC-212. 'DL28', 'DL3F', AND RECESSED LIGHT U/S PLATFORMS SHALL BE DIMMED SEPARATELY.
2. EMERGENCY TRANSFER RELAY TO BE PROVIDED TO ALL LIGHTS ON WHEN NORMAL POWER FAILS.
3. ALL EMERGENCY LIGHTING FIXTURES ARE FED FROM PANEL 2EP1RCLW-7, UNLESS OTHERWISE NOTED.
4. TYPE 'DL-01' LIGHTING FIXTURE IS FOOTLIGHT ERVERY 3RD STEP
   TYPE 'DL-02' LIGHTING FIXTURE IS LED LIGHTING AT U/S OF STAIR TREADS
   TYPE 'DL-01' LIGHTING FIXTURE IS LED LIGHTING AT U/S OF STAIR STRINGER (BOTH SIDE). REFER TO INTERIOR DESIN DRAWING FOR DETAILS.
5. PROVIDE STEP UP TRANSFORMER FOR LIGHTING FIXTURE 'DL31'. REFER TO ID DESIGN DRAWINGOUT SHEET FOR VOLTAGE DETAIL.
6. FOR RECESSED LIGHTING AROUND PERIMETER OF PLATFORM: REFER TO ID DRAWING FOR MOUNTING DETAIL AND LIGHTING FIXTURE TYPE.
7. PROVIDE POWER, CONDUIT AND JUNCTION BOX FOR A COMPLETE POWER DOOR OPERATION SYSTEM.
8. PROVIDE COMBINATION POWER/U.V RECESSED FLOOR BOXES
   - WELLMARK 415 CIN FLAT, STAINLESS STEEL COVERS.

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Date: 03/06/15

REGISTERED ARCHITECT
D. C. M. BELLAMY
ONTARIO
CANADA

MCW Consultants Ltd.
207 Queen's Quay West, Suite 610, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-0420 Fax: 416-598-5384
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
Dauphin Kitchener Trail Saint John

No.	Revision	Date
1	ISSUED FOR ADD E-001	2015-12-09
2	ISSUED FOR ADD E-002	2016/01/06
3	ISSUED FOR ADD E-003	2016/01/28
4	ISSUED FOR CONSTRUCTION	2016/04/21
5	ISSUED FOR SI-E003	2016/06/23
6	ISSUED FOR SI-E019	2017/05/15

No.	Issued For	Date
6		
5		
4	BUILDING PERMIT RESUBMISSION	2017-04-25
3	ISSUED FOR CONSTRUCTION	2016-04-21
2	ISSUED FOR TENDER	2015-10-30
1	BUILDING PERMIT SUBMISSION	2015-06-12

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL P1 MEZZANINE PARKING PLAN / AMENITY - LEVEL P1- ELECTRICAL

Project

Hines TRIDEL

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

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

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Date: 03/09/15

D. C. M. BELLAMY

MCW Consultants Ltd.
207 Queen's Quay West, Suite 610, Toronto, ON, M5J 1A7
E-Mail: mail@mcw.com www.mcw.com
Tel: 416-598-0200 Fax: 416-598-5384
Toronto Vancouver Winnipeg Moncton Ottawa Halifax
Dayton Kelowna Fort Saint John

No.	Revision	Date
1	ISSUED FOR ADD E-001	2015-12-09
2	ISSUED FOR ADD E-002	2016/03/08
3	ISSUED FOR ADD E-003	2016/03/08
4	ISSUED FOR CONSTRUCTION	2016/04/21
5	ISSUED FOR SI-0003	2016/06/23
6	ISSUED FOR SI-0319	2017/05/16

NOTES:

1. ALL RETAIL TEMPORARY LIGHTING FIXTURES ARE TYPE 'F2' UNLESS OTHERWISE NOTED. PROVIDE SWITCHES FOR LIGHTING CONTROL.
2. REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS. (DWG. E4-01)
3. SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE. REFER TO MIRENDA INCORPORATED DRAWING 5P2 FOR QUANTITY AND DESCRIPTION.

1. FIRE ALARM AND VOICE COMMUNICATION CONTROL EQUIPMENT.
2. ELEVATOR MONITORING BY DIV. 14. PROVIDE CIRCUITS AND POWER AS REQUIRED.
3. PROVIDE POWER, CONDUIT AND JUNCTION BOX FOR A COMPLETE POWERED DOOR PROTECTION SYSTEM IN RETAIL AREA. POWER TO COME FROM RETAIL TENANT PANEL.
4. CONCIERGE/SECURITY DESK. PROVIDE (8) 15A, 125V CIRCUITS FROM PANEL 'P-SECRPCP2'. PROVIDE 3/4" CONDUIT WITH PULL WIRE BACK TO SECURITY ROOM. REFER TO ARCH. EXACT EQUIPMENT LAYOUT TO BE CO-ORDINATED WITH SECURITY CONTRACTOR AND MILLWORK SHOP DRAWINGS. (2EPRCP2-2,4,6,8,10,12,14,16)
5. PROVIDE JUNCTION BOX FOR OH DOOR CONTROL. RUN CONDUIT WITH WIRING TO CONCIERGE DESK.
6. RUN 1-63mm E.C. & 1-4/1mm E.C. FROM ELEVATOR HOISTWAY TO C.A.C.F. AND FROM ARTISCAPE C.A.C.F. TO CONCIERGE DESK. REFER TO SPECIFICATION SECTION 16110.
7. RUN 1-63mm E.C. & 1-4/1mm E.C. FROM ELEVATOR HOISTWAY TO C.A.C.F. AND FROM ARTISCAPE C.A.C.F. TO CONCIERGE DESK. REFER TO SPECIFICATION SECTION 16110.
8. AREA TO BE HEAT TRACED INCLUDING TRENCH DRAINS. LOADING AREA PROVIDE 3 ZONES OF PYROTENAX CAT #5UB13 CABLES RATED AT 8000 WATTS AT 208V. PROVIDE 3-20A-2P GFI CIRCUITS FROM PANEL 'P-ELEVRCP'. PROVIDE SPECIFICATION GW OVERHEAD SENSOR, CONTACTOR AND ALL NECESSARY INSTALLATION HARDWARE. MOUNT SENSOR ON WALL BRACKETS, AT EDGE OF SNOW PILE. PROVIDE 3-20A-2P GFI CIRCUITS FROM PANEL 'P-SECRPCP'. PROVIDE 3-20A-2P GFI CIRCUITS FROM PANEL 'P-SECRPCP'. PROVIDE DETAILED ENGINEERED SYSTEM DRAWINGS PRIOR TO INSTALLATION.
9. AREA TO BE HEAT TRACED INCLUDING TRENCH DRAINS. EMBKING ENTRANCE PROVIDE (4)-3 ZONES OF PYROTENAX CAT #5UB13 CABLES RATED AT 8000 WATTS AT 208V. PROVIDE 3-20A-2P GFI CIRCUITS FROM PANEL 'P-ELEVRCP'. PROVIDE SPECIFICATION GW OVERHEAD SENSOR, CONTACTOR AND ALL NECESSARY INSTALLATION HARDWARE. MOUNT SENSOR ON WALL BRACKETS, AT EDGE OF SNOW PILE. PROVIDE 3-20A-2P GFI CIRCUITS FROM PANEL 'P-SECRPCP'. PROVIDE 3-20A-2P GFI CIRCUITS FROM PANEL 'P-SECRPCP'. PROVIDE DETAILED ENGINEERED SYSTEM DRAWINGS PRIOR TO INSTALLATION.
10. MOTORIZED DOOR/LOUVRES CONTROLLED FROM EAXF FOR SMOKE MANAGEMENT. REFER DETAIL 3E4-02 FOR CONTROL DETAILS.
11. ALL ELECTRICAL WORK IN THIS AREA SHALL BE EXPLOSION PROOF CLASS 1, DIVISION 1. MAINTAIN ALL THE OTHER ELECTRICAL SERVICES OUT OF THIS AREA.
12. EXIT SIGNS IN RETAIL AREA, RETAIL LOADING AREA AND RETAIL SERVICE CORRIDOR ARE FED FROM 'SE'MCRP-5'.
13. LIGHTING SHALL BE WIRED THROUGH A CONTACTOR & CONTROLLER USING A TIMER.
14. PROVIDE 21mmC CONDUIT C/W PULL WIRE TO SECURITY ROOM @ P1 LEVEL FOR VIRTUAL CONCIERGE DESK.
15. TYPE DL-57 LIGHTING FIXTURE IS FOOTLIGHT EINVERT 3RD STEP
TYPE DL-52 LIGHTING FIXTURE IS LED LIGHTING AT U/S OF STAIR TREADS
TYPE DL-57 LIGHTING FIXTURE IS LED LIGHTING AT U/S OF STAIR STRINGER (BOTH SIDE)
REFER TO INTERIOR DESIGN DRAWING FOR DETAILS.
16. PROVIDE 21mmC CONDUIT C/W PULL WIRE FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WASHROOM.
17. RUN 27mmC CONDUIT C/W PULL WIRE BACK TO SECURITY ROOM AND CONCIERGE DESK FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WASHROOM.
18. PROVIDE STEP UP TRANSFORMER FOR TYPE 10' LIGHTING FIXTURES.

ELEVATOR MACHINE ROOM NOTES:

1. PROVIDE DISCONNECT SWITCH FOR ELEVATOR MOTOR. C/W AUXILIARY CONTACT WITH WIRING TO THE CONTROLLER. REFER TO SINGLE DIAGRAM FOR FEEDER SIZE. FUSE TO BE PROVIDE AS PER ELEVATOR SHOP
2. DEDICATE GFI RECEPTACLE NEXT TO CONTROL CABINET. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR ON SITE.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL EMPTY CONDUIT C/W PULL WIRE FROM MAIN TELECOMMUNICATION ROOM FOR A DEDICATE TELEPHONE LINE TERMINATED IN ELEVATOR MACHINE ROOM. PRIMARY ELEVATOR SIGNAL CONTROL CABINET FOR EMERGENCY CALL SYSTEM.
4. CONDUIT TO PLYWOOD BACKBOARD FOR SECURITY SERVICE.

No.	Issued For	Date
6		
5		
4	BUILDING PERMIT RESUBMISSION	2017-04-25
3	ISSUED FOR CONSTRUCTION	2016-04-21
2	ISSUED FOR TENDER	2015-10-30
1	BUILDING PERMIT SUBMISSION	2015-06-05

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

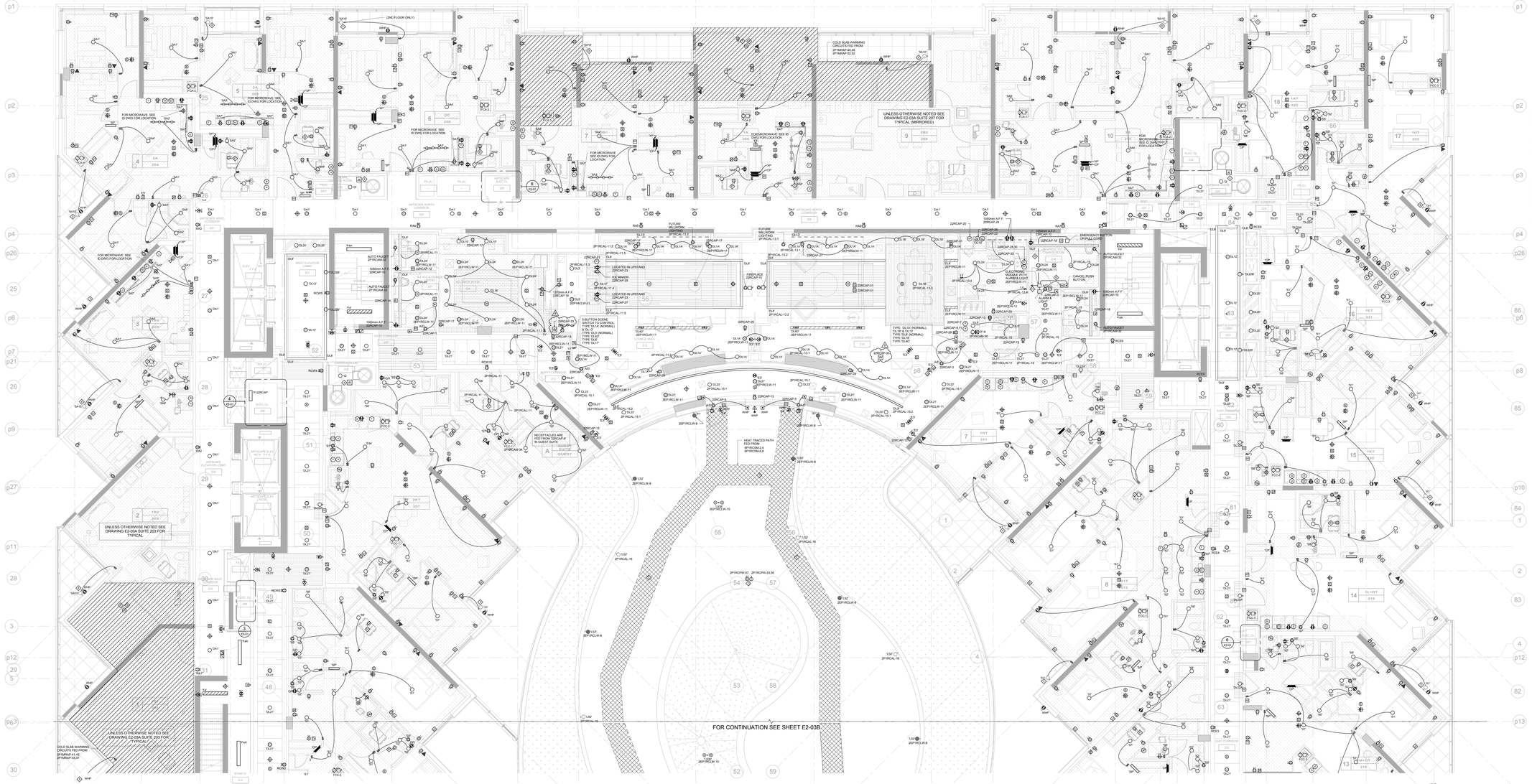
LEVEL 1 FLOOR PLAN
NORTH - ELECTRICAL

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.	E2-01A

N



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Date: 03/09/15

D. C. M. BELLAMY

MCW Consultants Ltd.

207 Queen's Quay West, Suite 610, Toronto, ON, M5J 1A7
E-Mail: mail@mcw.com www.mcw.com
Tel: 416-598-0520 Fax: 416-598-5364
Toronto Vancouver Windsor Moncton Ottawa Halifax
Dauphin Kitchener Thompson

No.	Revision	Date
1	ISSUED FOR ADD E-001	2015-12-09
2	ISSUED FOR ADD E-002	2016/03/08
3	ISSUED FOR CONSTRUCTION	2016/04/21
4	ISSUED FOR SI-E007	2016/11/29
5	ISSUED FOR SI-E013	2017/02/21
6	ISSUED FOR SI-E015	2017/04/17
7	ISSUED FOR SI-E011	2017/04/24
8	ISSUED FOR SI-E019	2017/05/19

NOTES:

1. ALL EXIT SIGNS ARE TYPE 'E2' UNLESS OTHERWISE NOTED.
2. REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS. (DWG. E4-01)
3. SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE. REFER TO MIRENDA INCORPORATED DRAWING 'SP2' FOR QUANTITY AND DESCRIPTION.

1. ROUGH-IN SERVICES FOR DISPOSAL SYSTEM WIRING - REFER TO GARBAGE CHUTE RISER. (DWG. E4-02)
2. SLAB WARMING CABLES BELOW SUITES AT LEVEL 1 MEZZ FLOOR. PROVIDE SYSTEM BASED ON - 75' STARTING TEMPERATURE WITH RSI INSULATION VALUE OF 1W/SQ. 1 SYSTEM HEAT LOSS REPLACEMENT CABLE AND LINE VOLTAGE THERMOSTAT AS REQUIRED. PROVIDE 2-20A/2SW GFI BREAKERS FOR CIRCUITS.
3. PROVIDE MINIMUM ONE HEAT SENSOR ON CEILING CAVITY AT HEATED SLAB FOR EACH CIRCUIT.
4. AREA TO BE HEAT TRACED. PROVIDE 2 ZONE OF PYROTENAX CAT #5UB13 CABLES RATED AT 800 WATTS EACH. 600V (3TWIS0QA). PROVIDE SNOW MELTING CONTROLS AS PER SPECIFICATION C(W OVERHEAD SENSOR, CONTACTOR AND N.I. SWITCH. PROVIDE 2 SENSORS ON ROOF AND 1 SENSOR ON GROUND AT EDGE OF FLOOR SLAB ABOVE AND SLAB SENSOR. CLEAN OF HEATED SPACE. PROVIDE 2-20A-DP GFI CIRCUITS FROM PANEL 1P-WPTC5F. PROVIDE DETAILED ENGINEERED SYSTEM DRAWINGS PRIOR TO INSTALLATION.
5. TYPE 'SA'S' LIGHTING FIXTURES ARE LOCATED ON LEVEL 2 ONLY.
6. TYPE 'H' LIGHTING FIXTURES ARE LOCATED ON LEVEL 2 ONLY.
7. PROVIDE 21mmC CONDUIT C/W PULL WIRE FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WASHROOM.
8. RUN 27mmC CONDUIT C/W PULL WIRE BACK TO SECURITY ROOM AND CONCIERGE DESK FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WASHROOM.
12. DOOR CONTACTORS AT ALL DOORS TO SUITE TERRACE ON LEVEL 2 ONLY.
9. PROVIDE A 30A, 208V 1ø SURFACE MOUNTED HEATHERPROOF TWIST LOCK TYPE RECEPTACLE FOR WINDOW WASHING. CW STRAIN RELIEF FITBOX'S HUBBELL CAT# HBL2625W (BEIGE) LS-30R). PROVIDE ALSO A 120 VOLT DUPLEX RECEPTACLE.

No.	Issued For	Date
6		
5	BUILDING PERMIT RESUBMISSION	2017-04-25
4	ISSUED FOR CONSTRUCTION	2016-04-21
3	ISSUED FOR TENDER	2015-10-30
2	BUILDING PERMIT SUBMISSION	2015-06-12
1	IAT REVIEW	2015-05-01

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

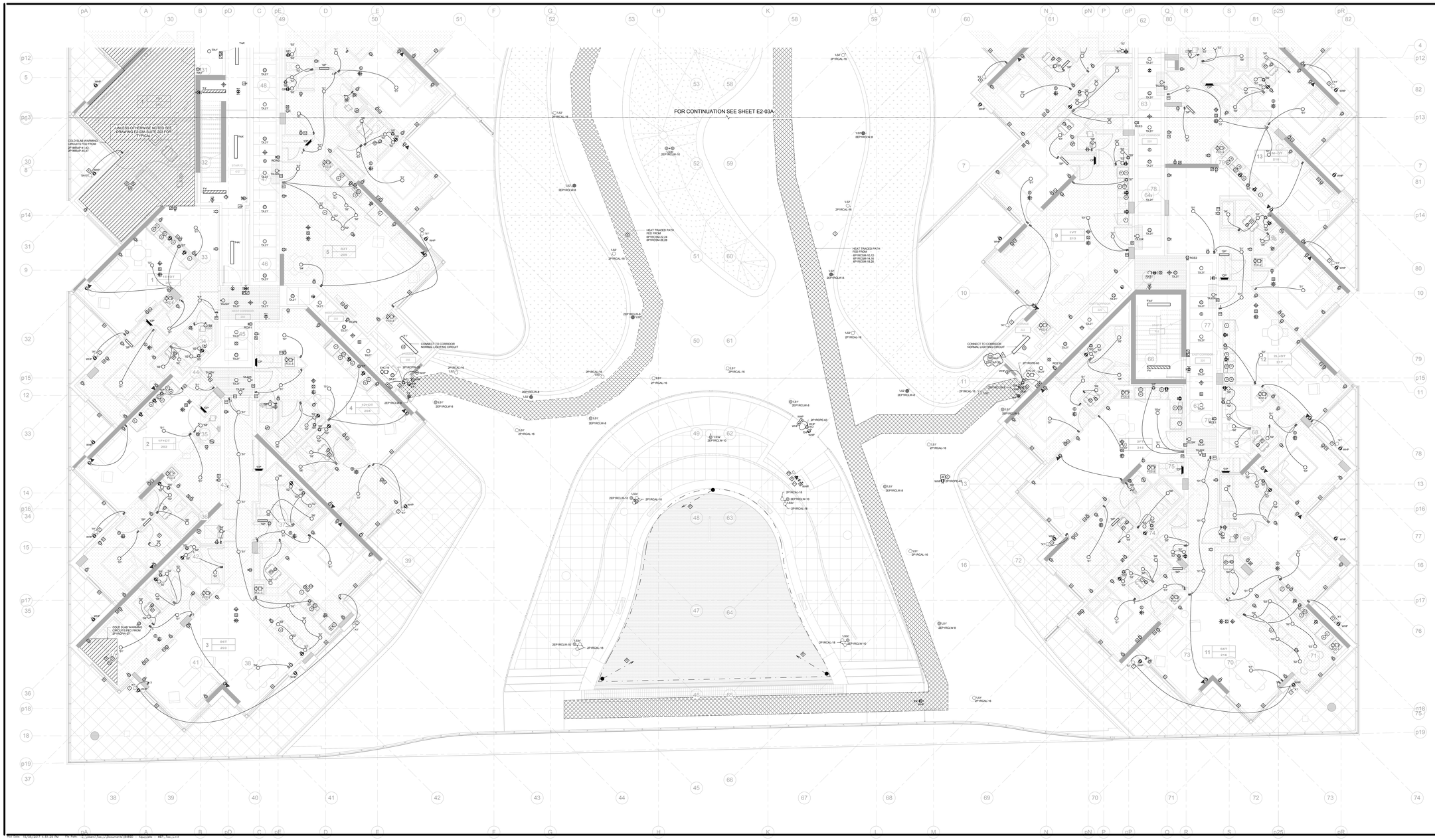
LEVEL 2 FLOOR PLAN
NORTH - ELECTRICAL

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.	E2-03A

N



NOTES:

1. ALL EXIT SIGNS ARE TYPE 'E2' UNLESS OTHERWISE NOTED.
2. REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS. (DWG. E4-01)
3. SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE. REFER TO MIRENDA INCORPORATED DRAWING SP2 FOR QUANTITY AND DESCRIPTION.
4. WEATHER PROOF JUNCTION BOX FOR IRRIGATION CONTROL SYSTEM. PROVIDE 1-27mmC CONDUITS TO IRRIGATION WIZARD ON PLUVIEL IQ4VFC LOCATION AND JUNCTION BOX SIZE TO BE COORDINATED WITH IRRIGATION SHOP DRAWING.
5. AREA TO BE HEAT TRACED. PROVIDE (1+0) ZONE OF PYROTENAX CAT #5JB13 CABLES RATED AT 8350 WATTS EACH, 600V (277V/90M). PROVIDE SNOW-MELTING CONTROLS (SMC) AS SPECIFIED IN SPECIFICATION 26 27 26.01 AND 26 27 26.02 INCLUDING ALL INSTALLATION HARDWARE, MOUNT SENSOR ON WALL BRACKETS, AT EDGE OF FLOOR SLAB ABOVE AND SLAB SENSOR, CLEAR OF HEATED SPACE. PROVIDE 3-20A-DP GFI CIRCUITS FROM SMC PANELBOARD. PROVIDE DETAILED ENGINEERED SYSTEM DRAWINGS PRIOR TO INSTALLATION.
6. TYPE 'SA10' LIGHTING FIXTURES ARE LOCATED ON LEVEL 2 ONLY.
7. TYPE 'X1' LIGHTING FIXTURES ARE LOCATED ON LEVEL 2 ONLY.
8. DOOR CONTACTORS AT ALL DOORS TO SUITE TERRACE ON LEVEL 2 ONLY.
9. SLAB WARMING CABLES BELOW SUITES AT LEVEL 1 MEZZ FLOOR. PROVIDE SYSTEM BASED ON -1°C STARTING TEMPERATURE WITH 50D INSULATION VALUE. PROVIDE 1-20A-DP GFI CIRCUIT FROM SMC PANELBOARD. PROVIDE 1-20A-DP THERMOSTAT AS REQUIRED. PROVIDE 2-20A-DPO GFI BREAKERS FOR CIRCUITS.
10. PROVIDE MINIMUM ONE HEAT SENSOR ON CEILING CAVITY AT HEATED SLAB FOR EACH CIRCUIT.

POOL NOTES:

P1. PROVIDE EMERGENCY SHUT-OFF SWITCH COMPLETE WITH A NORMALLY OPEN AND A NORMALLY CLOSED RELAY. WIRE IN SUCH A MANNER THAT ACTUATING THE SWITCH WILL SHUT OFF ALL POWER TO THE POOL PUMPS ASSOCIATED WITH THE POOL AND ACTIVATES AN AUDIO AND VISUAL ALARM LOCALLY AND AT THE SECURITY DESK. WHEN THE BUTTON IS RESET, THE POOL PUMPS WILL RESTART. THE PUMPS AND THE ALARM WILL BE SILENCED. MOUNT AT 1200mm AFF.

P2. THE METAL PARTS OF THE POOL AND OF OTHER NON-ELECTRICAL EQUIPMENT WITHIN 1.5m HORIZONTALLY OF THE POOL WALLS, OR 3m ABOVE THE POOL, BONDED TOGETHER AND TO NON-CURRENT CARRYING METAL PARTS BY A COPPER BONDING CONDUCTOR.

P3. POOL REINFORCING SHALL BE BONDED WITH A MINIMUM OF TWO CONNECTIONS EQUALLY SPACED AROUND THE PERIMETER. BONDING CONDUCTORS FOR THE POOL SHALL BE MINIMUM 8AWG.

P4. ALL ELECTRICAL WIRING, POOL EQUIPMENT CONNECTION SHALL BE IN ACCORDANCE WITH SECTION 68 OF O.E.S. CODE.

P5. PROVIDE SEPARATE GROUND WIRE IN ALL SERVICES TO THE POOL.

P6. PROVIDE #6 AWG CONDUCTOR TERMINAL AT MAIN DISTRIBUTION BOARD.

P7. EMERGENCY PHONE OUTLET @ 1200mm A.F.F.

P8. EMERGENCY VISUAL AND AUDIBLE ALARM.

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Date: 03/09/15

D. C. W. BELLAMY
LICENSED
ONTARIO
ARCHITECT

MCW Consultants Ltd.
207 Queen's Quay West, Suite 610, Toronto, ON, M5J 1A7
E-Mail: mcw_tor@mcw.com www.mcw.com
Tel: 416-598-0520 Fax: 416-598-5384
Toronto Vancouver Windsor Moncton Ottawa Halifax
Dayton Kelowna Trial Saint John

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4	ISSUED FOR SI-E/007	2016/11/29
5	ISSUED FOR SI-E/013	2017/02/21
6	ISSUED FOR SI-E/015	2017/04/12
7	ISSUED FOR SI-E/019	2017/05/15

No.	Issued For	Date
6		
5	BUILDING PERMIT RESUBMISSION	2017-04-25
4	ISSUED FOR CONSTRUCTION	2016-04-21
3	ISSUED FOR TENDER	2015-10-30
2	BUILDING PERMIT SUBMISSION	2015-06-12
1	IFT REVIEW	2015-05-01

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
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