



MCW Consultants Ltd.

Site Instruction

Date: April 20, 2017

Queen's Quay Terminal
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Project Name: AQUAVISTA - Bayside
Client: TRIDEL Corporation
To: TRIDEL Corporation
Attention: Chadi Loza
Fax number: -

Project No.: 8489D
SI No.: E 015
Page No.: 1 of 1+ 6 attached
Office: Toronto
From: Sunanda Perera
Tao Li

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

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: Clarifications to Slab Warming.

Specification:

Spec	Issued	Items
PANEL P-2P1MRAP	Yes	Add four 20A/2P GFCI breakers for slab warming.
PANEL P-2P1RCPW	Yes	Delete circuits for slab warming, keep breakers as spare.

Electrical:

Drawing No.	Drawing Issued	Items
E2-03A	Yes	- Add slab warming area (Grid F~G/p1~p2) as shown. - Slab warming area circuit number and power source has been modified as shown.
E2-03A E2-03B	Yes	- Provide slab warming cables to cold slab area (Grid p11~p14/pA~B) as shown. - GFCI shall be provided for the circuit protection.

ME Schedule:

Drawing No.	Drawing Issued	Items
		N/A

Reason for Issue - Design Coordination.

End of SI-E015

PANEL SCHEDULE

120/208		VOLTS				JOB NUMBER: 8489D										
3	PHASE	4	WIRE				JOB NAME: Aquavista									
200		AMP MAINS				2P1MRAP			Feed Through Panel							
MLO		MAIN BREAKER				LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION		
DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	a	b	c								
									REC RA1 CORRIDOR L2 ~ L7	6		180	20	1a	1080	
REC RA2 CORRIDOR L2 ~ L7	6		180	20	3b		1080			4b	15	180		6	REC MECH RM P4	
REC RA3 CORRIDOR L2 ~ L7	6		180	20	5c			720		6c	15	180		4	REC ELEV #5/6 PIT P3	
REC RA4 CORRIDOR L2 ~ L7	6		180	20	7a	0		1080		8a	20				SPARE	
REC RA5 CORRIDOR L2 ~ L7	6		180	20	9b		1080			10b	15	180		6	REC LOCKER/MECH RM P2	
REC RA6 CORRIDOR L2 ~ L7	6		180	20	11c			720		12c	15	180		4	REC LOCKER RM/ELEV LOBBY P2	
REC RA7 CORRIDOR L2 ~ L7	6		180	20	13a	1000				14a	15	500		2	DOOR OPNER ELEV LOBBY P2	
REC RA1/RA2/RA3 CORRIDOR L8 ~ L10	6		180	20	15b		0			16b	20				SPARE	
REC RA4/RA5/RA6 CORRIDOR L8 ~ L10	6		180	20	17c			540		18c	15	180		3	REC CACF RM/ MAIL RM L1	
REC RA7 CORRIDOR L8 ~ L10	2		180	20	19a	540				20a	20	180		3	REC ELEV LOBBY L1	
SPARE				20	21b		0			22b	20				SPARE	
REC ELEV LOBBY L1M	4		180	20	23c			540		24c	15	180		3	REC MECH RM P3	
REC ARTSCAPE BOARDROOM L1M	6		180	15	25a	0				26a	15				SPARE	
REC ARTSCAPE ADMIN L1M	6		180	15	27b		200			28b	15	200		1	PWR GARBAGE CONTROL L1M	
REC ARTSCAPE OFFICE L1M	5		180	15	29c		1080			30c	15	180		6	REC GARBAGE RM L1M	
DOOR OPNER ELEV LOBBY L1M	2		500	15	31a	0				32a	15				SPARE	
SPARE				15	33b		720			34b	15	180		4	REC ARTSCAPE ELEC RM P1M	
SPARE				15	35c			0		36c	15				For Metering	
SPARE				15	37a			0		38a						
DOOR OPNER ELEV LOBBY	1		500	15	39b					40b						

LEVEL LOBBY L1M						500			42c	15				METER CONTROL ARTSCPE ELEC CLOSET L2
COLD SLAB WARM WEST GRID p11-p14 L2				20 GFCI	41c		200							HAND DRYER B.F. W.C. LEVEL 1M
					43a	1440		1563	44a	20				
COLD SLAB WARM WEST GRID p11-p14 L2				20 GFCI	45b		1481		46b	20 GFCI				COLD SLAB WARM NORTH GRID F-L L2
					47c		1563		48c					
								1481						
					49a	1481			50a	20 GFCI				COLD SLAB WARM NORTH GRID F-L L2
									52b					
					51b		1481							
									54c					
					53c									
									56a					
					55a									
									58b					
					57b									
									60c					
					59c									



TOTAL WATT
TOTAL AMP

12783.3	12423.8	13266
38473		
107		

PANEL TYPE: TYPE1-SPRINKLER PROOF

LOCATION: LEVEL P1MEZZNINE

MOUNTING: SURFACE

PANEL SCHEDULE

120/208		VOLTS				JOB NUMBER: 8489D										
3	PHASE	4	WIRE				JOB NAME: Aquavista									
200		AMP MAINS				2P1RCPW			Feed Through Panel							
MLO		MAIN BREAKER				LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION		
DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	a	b	c								
REC RCW1 CORRIDOR L2~L7	6		180	20	1a	540			2a	15	180		3	REC STAIR A		
REC RCW2 CORRIDOR L2~L7	6		180	20	3b	1080	1260		4b	15	180		7	REC STAIR G/Gx		
REC RCW3 CORRIDOR L2~L7	6		180	20	5c		1080	360	6c	15	180		2	REC STAIR E		
REC RCW4 CORRIDOR L2~L7	6		180	20	7a	1260		1080	8a	15	180		7	REC STAIR H		
REC RCW5 CORRIDOR L2~L7	6		180	20	9b	1080	0		10b	15				SPARE		
REC RCW1 CORRIDOR L8~L12	3		180	20	11c		1080	900	12c	20	180		5	REC CORRIDOR L1 MEZZ		
REC RCW2 CORRIDOR L8~L12	3		180	20	13a	720		540	14a	15	180		4	REC MAKE UP UNIT RM L1 MEZZ		
REC RCW3 CORRIDOR L8~L12	5		180	20	15b		500		16b	15	500		1	PWR MAKE UP UNIT RM L1 MEZZ		
REC RCW4 CORRIDOR L8~L12	5		180	20	17c		900		18c	15	180		6	REC WEST GARBAGE RM L1 MEZZ		
REC RCW5 CORRIDOR L8~L12	6		180	20	19a			1080	20a	15	500		1	COMPACTOR CTRL. WEST GARBAGE RM L1 MEZZ		
REC RCW6/7/8 CORRIDOR L10~L12	6		180	20	21b	500			22b	15	180		2	REC. FRESH AIR PLENUM L1 MEZZ / L1		
REC RCW9/10 CORRIDOR L2	2		180	20	23c		1080	500	24c	15	500		1	PWR MAKE UP UNIT RM L1 MEZZ		
SPARE				20	25a			360	26a	15				SPARE		
REC SPRINKLER / SANITARY RM P1 / P1M	5		180	15	27b	0			28b	15	180		4	REC W ELEV LOBBY P3/P4		
REC ELEC RM P1	6		180	15	29c		720	900	30c	15	500		2	DOOR OPNER W ELEV LOBBY P3		
REC MAKE-UP UNIT RM P1 / P1M	4		180	15	31a			1000	32a	15	180		4	REC LOCKER P3/P4		
OPERABLE GLAZING ARTSCAPE GALLERY L1	2		500	20	33b	720			34b	15	500		2	DOOR OPNER W ELEV LOBBY P4		
DOOR OPNER CORRIDOR (202) L2	1		500	15	35c		1000		36c	15	180		3	REC LOCKER P4		
								540	38a	15	180		3	REC FLEV #1/2 PIT		

COLD SLAB WARM L2 South Grid pA/36				20 GFCI	37a	540			40a	15				LEVEL #1/2/11 P4
						357			40b	15				SPARE
SPARE				20	39b		0							
							0		42c					
SPARE				20	41c			0	20 GFCI					SPARE
									44a					
SPARE				15	43a									
									46b					
SPARE				15	45b				20 GFCI					SPARE
									48c					
SPARE				15	47c									
									50a					
SPARE				20	49a									
DOOR OPNER STAIR G L1M	1		500	15	51b		500		52b	15				For Metering
									54c					
					53c			0						
									56a	15				METER CONTROL CCU ROOM P2
					55a	200								
									58b	15				METER CONTROL ELEC CLOSET WEST L2
					57b		200							
									60c					
					59c									



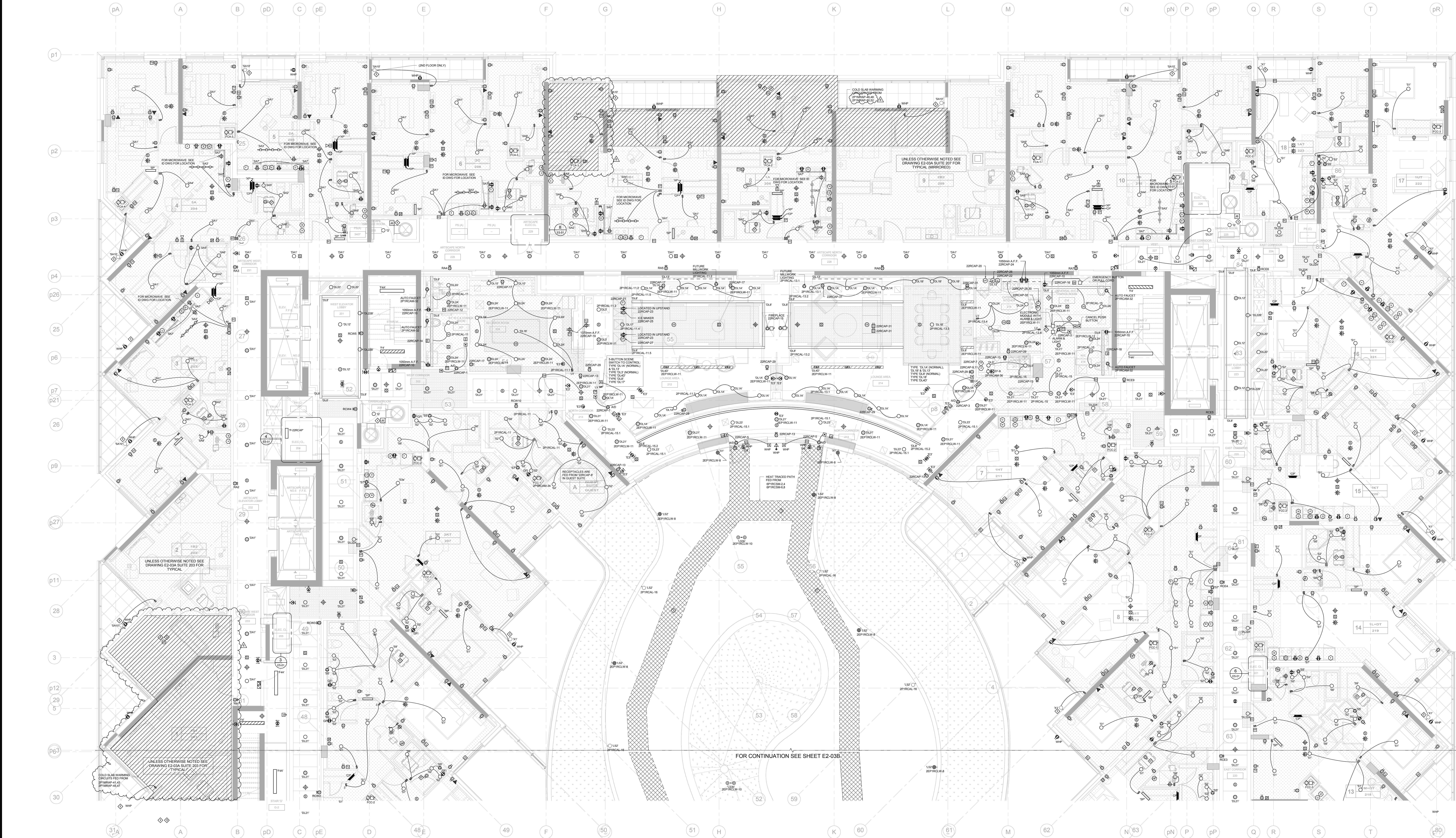
TOTAL WATT
TOTAL AMP

9337	10580	8840
28757		
80		

PANEL TYPE: TYPE1-SPRINKLER PROOF

LOCATION: LEVEL P1 MAIN ELEC RM

MOUNTING: SURFACE



NOTES:

1. ALL EXIST SKINS ARE TYPE E2 UNLESS OTHERWISE NOTED.
2. REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS. (DWS, E4-01)
3. SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE. REFER TO MENDRA INCORPORATED DRAWING 307 FOR QUANTITY AND DESCRIPTION.
4. SMOKE IN SERVICES FOR DISPOSAL SYSTEM WIRING - REFER TO GARBAGE DATE RISER. (DWS, E4-02)
5. SLAB WARNING CABLES BELOW SUITES AT LEVEL 1 MEZZ FLOOR. PROVIDE SYSTEM BASED ON ITS STARTING TEMPERATURE WITH INSULATION VALUE OF 1000°F. SYSTEM HEAT LOSS REPLACEMENT CABLE AND LINE VOLTAGE THERMOSTAT AS REQUIRED. PROVIDE 1000°F ON DISCHARGE FOR CIRCUITS.
6. PROVIDE MINIMUM ONE HEAT SENSOR ON CEILING CAVITY AT HEATED SLAB FOR EACH CIRCUIT.
7. WICA TYPE HEAT TRACED PROVIDE 2 ZONE 32° PROTECTANT (AT 800°F) CABLES RATED AT 800 WATTS EACH. 800° (3750°F) PROVIDE SMOKE DETECTING CONTROL AS PER SPECIFICATION FOR CABLE SENSORS, CONTRACTORS AND ALL NECESSARY INSTALLATION HARDWARE. MOUNT SENSORS ON WALL BRACKETS AT TOP OF FLOOR SLAB ABOVE AND SLAB REMAIN CLEAR OF HEATED SPACE. PROVIDE 2000°F (200°C) CIRCUITS FROM WIRE. WIREWORK PROVIDE DETAILED ENGINEERED SYSTEM DRAWINGS PRIOR TO INSTALLATION.
8. TYPE 'SA' LIGHTING FIXTURES ARE LOCATED ON LEVEL 2 ONLY.
9. TYPE 'XT' LIGHTING FIXTURES ARE LOCATED ON LEVEL 2 ONLY.
10. PROVIDE 2000°F CONDUIT COW PULL WIRE FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WAREHOUSE.
11. RUN 2000°F CONDUIT COW PULL WIRE BACK TO SECURITY ROOM AND CONCEALED COW FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WAREHOUSE.
12. DOOR CONTRACTORS AT ALL DOORS TO SUITE TERRACE ON LEVEL 2 ONLY.

