



**MCW Consultants Ltd.**

# Site Instruction

Date: September 30, 2016

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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 003  
Page No.: 1 of 3+ 27 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: Design Coordination.

### Specification:

Spec	Issued	Items
Panel Schedule Condo P-6EP1RCM P-6EP4RCM P-2P4RCM P-2EP1RCPW P-2P1RCAP P-2P1RCPW Artscape P-2P1MRAP	Yes	<ul style="list-style-type: none"> <li>All changes are highlighted.</li> <li>Revise panel 'P-6EP1RCM' to 84 CCT panel.</li> <li>Revise panel 'P-2EP1RCPW' revises to 60 CCT.</li> </ul>

### Electrical:

Drawing No.	Drawing Issued	Items
E1-01	Yes	<ul style="list-style-type: none"> <li>Add power connections for motorized dampers as shown.</li> </ul> Level P4: <ul style="list-style-type: none"> <li>Add power connection for exhaust fan EFC-39 as shown.</li> <li>Add power connection for overhead door at grid p5/pL as shown.</li> <li>Add electrical devices in locker room (P419) as shown.</li> </ul>
E1-02	Yes	<ul style="list-style-type: none"> <li>Add power connections for motorized dampers as shown.</li> </ul> Level P2: <ul style="list-style-type: none"> <li>Add power connections for mechanical equipment in irrigation</li> </ul>

		<p>room as shown.</p> <ul style="list-style-type: none"> <li>Add power connections and duct smoke detector for SFC-05 as shown.</li> <li>Revise electrical devices to match architectural layout in elevator machine room (P209).</li> </ul> <p>Level P1:</p> <ul style="list-style-type: none"> <li>Revise lighting fixtures location and circuiting in residential parking (P133) area to match architectural layout as shown.</li> <li>Add power connection and security devices to overhead door in residential parking (P133) as shown.</li> <li>Add card reader (Rough-in only) out of commercial vestibule area as shown.</li> <li>Add electrical strikers in retail male/female shower rooms as shown.</li> <li>Add electrical devices in room (P131) as shown.</li> <li>Add power connection for air pressor in sprinkler room as shown.</li> </ul>
E1-03		<p>Level P1 Mezzanine:</p> <ul style="list-style-type: none"> <li>Delete electrical device at grid pB/p16 area to match architectural layout as shown.</li> </ul> <p>Level P1 – Amenity:</p> <ul style="list-style-type: none"> <li>Add electrical strikers in BF WC (P112A &amp; P114B) as shown.</li> <li>Relocate and add security devices in west vestibule (P118) as shown.</li> </ul>
E2-01A	Yes	<ul style="list-style-type: none"> <li>Add door operator in meeting room (109) as shown.</li> <li>Add security cameras in exit corridor (112) and stair 'Jx' as shown.</li> <li>Add door contacts (rough-ins only) at grid p11/pR as shown.</li> </ul>
E2-01B	Yes	<ul style="list-style-type: none"> <li>Add door contact (rough-in only) at grid p15/pR as shown.</li> <li>Add security cameras in bicycle access corridor (144) and vestibule (126) as shown.</li> <li>Add type 'X11' (Qty-1) and 'X11C' (Qty-1) on south east canopy as shown.</li> </ul>
E2-02A	Yes	<ul style="list-style-type: none"> <li>Add electrical striker in BF WC (1M05) as shown.</li> <li>Delete security devices in Artscape boardroom (1M03) as shown.</li> <li>Add door operators in Stair G as shown.</li> <li>Relocate intercom station in Artscape moving room (1M12) as shown.</li> </ul>
E2-14B	Yes	<ul style="list-style-type: none"> <li>Add electrical striker in Universal WC (1315) as shown.</li> </ul>
E3-01-RC	Yes	<ul style="list-style-type: none"> <li>Revise breaker and feeder size for panel 'DP-6RRCE' as shown.</li> </ul>
E5-01	Yes	<ul style="list-style-type: none"> <li>Add power connection for mechanical equipment as shown.</li> <li>Revise electrical room layout as shown on detail 10.</li> </ul>

**ME Schedule:**

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Drawing No.	Drawing Issued	Items
ME-13	Yes	<ul style="list-style-type: none"><li>• Circuit description updated as shown.</li></ul>

All the changes have been bubbled. Refer to the issued drawings for complete changes under this SI.

**Reason for Issue- Owner Request and Design Coordination.**

**End of SI-E003**

### PANEL SCHEDULE

120/208 VOLTS

3 PHASE 4 WIRE

125 AMP MAINS

MLO MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

**2P4RCM**

LOAD PER PHASE

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
						a	b	c						
Low Heating Boiler HBC-02				20	1a	1560			2a					For Metering
Low Heating Boiler HBC-03				20	3b		1560		4b	15				
Low Heating Boiler HBC-04				20	5c			1560	6c					
Low Heating Boiler HBC-05				20	7a	1560			8a	20				Low Heating Boiler HBC-08
Low Heating Boiler HBC-06				20	9b		400		10b	15	100		4	MOTORIZED DAMPER CHILLER ROOM P4
Low Heating Boiler HBC-07				20	11c		1560	400	12c	15	100		4	MOTORIZED DAMPER BOILER ROOM P4
Exhaust Fan 09,11				20	13a			1560	14a	20				Spare
Exhaust Fan 12,13,14				20	15b	320			16b	15				Spare
Exhaust Fan 15, 16				20	17c		550		18c	15				Spare
Exhaust Fan 17,18				20	19a	200		220	20a	15				EFC-39 PRIVATE GARAGE P4 Level
Exhaust Fan 19,20,21				20	21b	220	300		22b	15				EFC-12 ELEC ROOM (P216) P2 Level
Force Flow Cabinet Heater EHC-01,02				20	23c			690	24c					
Force Flow Cabinet Heater EHC-03,04				20	25a	690			26a					
Hot Water Unit Heater UHC-01, UHC-02				20	27b		480		28b					
Hot Water Unit Heater UHC-03, UHC-04				20	29c			480	30c					
Air Cooled Condenser Unit ACUC-07				15	31a	1080			32a					
					33b		1080			34b				
Unitary DX Unit				15	35c			240	36c					

ACC-07					37a																		
						240															40b		
																						42c	
																							41c



TOTAL WATT	5870	5930	5150
TOTAL AMP	16950		
	47		

PANEL TYPE: NEMA TYPE 3

LOCATION: LEVEL 1 MEZZ

MOUNTING: SURFACE

### PANEL SCHEDULE

347/600 VOLTS

3 PHASE 3 WIRE

400 AMP MAINS

300 MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

**6EP4RCM**

LOAD PER PHASE

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
						a	b	c						
Boiler #1 Pump PC-05					15	1a	5600			2a	45			Elevator Sump Pumps PC-40,PC-41 ( Each 8.4kW )
						1b	500			4b				
						3b		5600		6c				
						5c			5600	8a				
									500					
Low Temp Secondary Pumps PC-12, PC-13 (Duty standby) Each 15kW					40	7a	1467			10b	20			Elevator Sump Pumps PC-42,PC-43 ( Each 2.2kW )
						9b		1467		12c				
									5000	14a				
						11c			1467					
									5000					
Sanitary Sump Pumps PC-30,PC-31 ( Each 5.6kW )					35	13a				16b	15			SPARE
						15b				18c				
								3733						
						17c								
Sanitary Sump Pumps PC-32,PC-33 ( Each 8.4kW )					45	19a				22b	15			SPARE
						21b				24c				
								5600						
						23c								
Weeping Sump Pumps PC-34,PC-35 ( Each 8.4kW )					45	25a				26a	15			SPARE
						27b				30c				
								5600						
						29c								
Elevator Sump Pumps PC-36,PC-37 ( Each 5.4kW )					35	31a				32a	15			SPARE
						33b				36c				
								3733						
						35c								
								3733	38a					

Elevator Sump Pumps PC-38,PC-39 ( Each 8.4kW )	45	37a	5600	40b	15	For Metering	
		39b	5600	42c			
		41c					
			5600	44a			
Fan Coil Unit HFCC-08 ( Each 2.2kW )	15	43a	500	46b	15	Spare	
		45b	500	48c			
		47c		500			50a
		49a					52b
		51b		54c	15	Spare	
		53c		56a			
		55a		58b			
		57b		60c			
		59c					



TOTAL WATT  
TOTAL AMP

37333	37333	37333
111999		
108		

PANEL TYPE: NEMA TYPE 3  
 LOCATION: Level P4 Chiller room  
 MOUNTING: Surface

### PANEL SCHEDULE

347/600 VOLTS

3 PHASE 3 WIRE

400 AMP MAINS

MLO MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

**6EP1RCM**

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
						a	b	c						
Jockey Pump PC-29				15	1a	733			2a	15				Stair Pressurization Fan SFC-01 ( 2.2kW )
					1b	746			4b					
					3b		733		6c					
					4b		746		8a					
					5c			733						
Exhaust Fan EFC-05 ( 2.2kW )				15	7a	733			10b	15				Stair Pressurization Fan SFC-02 ( 2.2kW )
					8a	733			12c					
					9b		733		14a					
					10b		733		16b					
					11c			733						
Exhaust Fan EFC-06 ( 2.2kW )				15	13a				16b	15				Stair Pressurization Fan SFC-03( 2.2kW )
					13a	733			18c					
					15b		733		20a					
					17c			733						
					19a				22b					
Exhaust Fan EFC-07 ( 2.2kW )				20	19a				24c	15				For Metering
					21b	1233			26a					
					23c		1233		28b					
					25a			1233	30c					
					27b				32a					
Exhaust Fan EFC-08 ( 2.2kW )				20	25a	500			34b	15				Stair Pressurization Fan SFC-05( 1.5kW )
					27b	1233		500	36c					
					29c		1233		38a					
					31a			500						
					33b									
Exhaust Fan EFC-10( 2.2kW )				15	31a	15000			38a	90				P-2EP1RCPT' Through 75kVA transformer
					33b	250		15000						
					35c		15000							
					37a			250						
					39a				250					

Exhaust Fan EFC-37 ( 3.75kW)	15	37a	1250	40b	15	Spare
		39b	1250	42c		
		41c				
		44a	1250			
Exhaust Fan EFC-01 (2.2kW)	15	43a	733	46b	15	Spare
		45b	733	48c		
		47c				
		50a	733			
Exhaust Fan EFC-02 (2.2kW)	15	49a	733	52b		
		51b	733	54c		
		53c				
		56a	733			
Exhaust Fan EFC-03 (2.2kW)	15	55a	733	58b		
		57b	733	60c		
		59c				
		62a	733			
Exhaust Fan EFC-04 (2.2kW)	15	61a	733	64b		
		63b	733	66c		
		65c				
		68a	733			
		67a		70b		
		69b		72c		
		71c		74a		
		73a		76b		
		75b		78c		
		77c		80a		
		79a		82b		
		81b		84c		
		83c				



# PANEL SCHEDULE

120/208 VOLTS

3 PHASE 4 WIRE

100 AMP MAINS

100A MB MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

Note -\* Lockable Breaker

Feed through Panel

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIXT.	BRKR SIZE	CCT. NO.	LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
						a	b	c						
DOOR OPENER STAIR A L1	500		1	15	1a	500			2a	15*	500		1	PWR W CACF RM L1
DOOR OPENER STAIR G L1	500		1	15	3b		500		4b	15*	500		1	PWR W CACF RM L1
DOOR OPENER VEST (126) L1	500		1	15	5c			500	6c	15*	500		1	PWR W CACF RM L1
DOOR OPENER EXIT CORRIDOR (112) L1	500		1	15	7a	500			8a	15*	500		1	REC W CACF RM L1
SAPRE				15	9b		0		10b	15				SPARE
LOW VOLTAGE CONTROL GREENMAX P4				15	11c		0		12c					AIR COMPRESSOR WEST MAIN ELEC RM P1 LEVEL
LOW VOLTAGE CONTROL GREENMAX P3				15	13a	0		200	14a	20				
LOW VOLTAGE CONTROL GREENMAX P2/P1				15	15b	200			16b					
LOW VOLTAGE CONTROL POWER RACK P1				15	17c		200		18c	15				
SPARE				15	19a	200			20a	15				METER COBINET WEST MAIN ELEC RM P1 LEVEL
MOTORIZED DAMPER GRID p2/pH P4 LEVEL				15	21b		200		22b	15				METER CABINET WEST MAIN ELEC RM P1 LEVEL
MOTORIZED DAMPER GRID p2/pH P3 LEVEL				15	23c			200	24c	15				LVP-1 WEST MAIN ELEC RM P1 LEVEL
MOTORIZED DAMPER GRID p2/pH P2 LEVEL				15	25a				26a	15				LVP-3 WEST MAIN ELEC RM P1 LEVEL
MOTORIZED DAMPER GRID p1/pJ P1 LEVEL				15	27b				28b					For Metering
MOTORIZED DAMPER GRID p12/pD P4 LEVEL				15	29c				30c	15				
MOTORIZED DAMPER GRID p12/pD P3 LEVEL				15	31a				32a					
MOTORIZED DAMPER GRID p12/pD P2 LEVEL				15	33b				34b	15				
MOTORIZED DAMPER GRID p12/pD P1 LEVEL				15	35c				36c	15				SPARE
									38a	15				SPARE



# 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

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



# PANEL SCHEDULE

120/208 VOLTS

JOB NUMBER: 8489D

3 PHASE 4 WIRE

JOB NAME: Aquavista

200 AMP MAINS

**2P1RCAP**

**Feed through panel**

MLO MAIN BREAKER

LOAD PER PHASE

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIXT.	BRKR SIZE	CCT. NO.	LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
						a	b	c						
REC CORRIDOR P1	5		180	20	1a	800			2a	20				REC TREADMILL GYM P1
REC YOGA RM/ GYM P1	6		180	15	3b		800		4b	20				REC TREADMILL GYM P1
REC THEATER P1	4		180	15	5c		1080		6c	20				REC TREADMILL GYM P1
REC AV THEATER P1	1		180	20	7a	800			8a	20				REC TREADMILL GYM P1
REC MEN'S WOMEN'S RM P1	6		180	15	9b		800		10b	20				REC TREADMILL GYM P1
DOOR OPNER VEST P118 P1	2		500	15	11c		1080		12c	20				REC TREADMILL GYM P1
DOOR OPNER ELEV LOBBY/SPINNING RM P1	2		500	15	13a	800			14a	20				REC TREADMILL GYM P1
DOOR OPNER YOGARM/ THEATRE P1	2		500	15	15b		500		16b	15				REC WATER FOUNTAIN GYM P1
DOOR OPNER MEN'S CHANGE P1	2		500	15	17c		1000		18c	20				REC SPINNING SPINNING RM P1
DOOR OPNER WOMEN'S CHANGE P1	1		500	15	19a	500			20a	20				REC SPINNING SPINNING RM P1
DOOR OPNER WOMEN'S CHANGE/GYM P1	2		500	15	21b		500		22b	20				REC SPINNING SPINNING RM P1
DOOR OPNER MEN'S CHANGE/BF WS P1	2		500	15	23c		1000		24c	20				REC SPINNING SPINNING RM P1
REC AV THEATER P1	1		180	20	25a	500			26a	20				REC SPINNING SPINNING RM P1
HAND DRYER BF WC P1	1		1400	20	27b	180			28b					For Metering
HAND DRYER MENS CHANGE ROOM P1	1		1400	20	29c		1400		30c	15				
HAND DRYER WOMENS CHANGE RM P1	1		1400	20	31a				32a					
HAND DRYER BF WC P1	1		1400	20	33b				34b	15	1000		1	
DOOR OPNER WOMEN'S CHANGE/BF WS P1	2		500	20	35c				36c	20	1460		1	MW STAFF RM L1
REC WEST VEST (P118) P1	2		180	15	37a	360			38a	20	180		2	REC STAFF RM L1
SPARE				15	39b	360			40b	20	180		5	REC STAFF RM L1
					39c		900		42c	20				HAND DRYER UNIVFRSAI W.C.



# 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

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	LOAD PER PHASE			CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
						a	b	c						
REC RA1 CORRIDOR L2 ~ L7	6		180	20	1a	1080			2a	15	180		6	REC MECH RM P4
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			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	1080			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	360			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		720	26a	15				SPARE
REC ARTSCAPE ADMIN L1M	6		180	15	27b	1080			28b	15	200		1	PWR GARBAGE CONTROL L1M
REC ARTSCAPE OFFICE L1M	5		180	15	29c		200		30c	15	180		6	REC GARBAGE RM L1M
DOOR OPNER ELEV LOBBY L1M	2		500	15	31a			1080	32a	15				SPARE
SPARE				15	33b	0		900	34b	15	180		4	REC ARTSCAPE ELEC RM P1M
SPARE				15	35c			720	36c					For Metering
SPARE				15	37a			0	38a	15				
SPARE				15	39a			0	40b					
DOOR OPNER ELEV LOBBY	1		500	15	39b	1000								

