Site Instruction

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Date: June, 13, 2016

Project Name:	AQUAVISTA - Bayside	*Project No.:*	8489D
Client:	TRIDEL Corporation	*ADD No.:*	E 002
To:	TRIDEL Corporation	*Page No.:*	1 of 1+ 4 Attached
Attention:	Chadi Loza	*Office:*	Toronto
Fax number:	-	*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: MUAR-1 additional power feeds.

Specification:

Spec	Issued	Items
Panel Schedule '61MCRM' and '21MCRM'	Yes	• Panel schedule 61MCRM- Circuit 32,34,36 to be read as "Make up Air Unit MAUR-1 Exhaust Fan" • Add 20A single pole breaker in panel '21MMCRM' to feed Make Up Air Unit MAUR-1 Heat wheel.

Electrical:

Drawing No.	Drawing Issued	Items
E2-02A	No	• Add two additional power connections for MURA-01. Refer to panel schedule.

ME Schedule:

Drawing No.	Drawing Issued	Items
ME-31	Yes	• Circuit description and the Motor capacity updated as shown.

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

Reason for Issue- Mechanical Coordination.

End of SI-E002

PANEL SCHEDULE

120/208 VOLTS

3 PHASE 4 WIRE

200 AMP MAINS

MLO MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

21MCRM

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	LOAD PER PHASE a	b	c	CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
Boiler HBR-01				15	1a	432			2a	15				Unitary DX Fan Coil Unit ACR-02
						1320			4b					
Boiler HBR-02				15	3b		432							
							1320		6c					
Fan EFR-01, 02				20	5c			432						
								500	8a	40				Air Cooled Condenser Unit ACUR-02
Fan EFR-04,06				20	7a	1992								
						500			10b					
Fan SFR-01				15	9b		1992							
							300		12c					
Force Floor Cabinet Heater EHR-01,02				20	11c			1992						
								720	14a	15				Metering
Hot Water Unit Heater UHR-01,02				15	13a									
						480			16b					
Hot Water Unit Heater UHR-03,04				15	15b		480							
									18c					
Hot Water Unit Heater UHR-05,06				15	17c			480						
									20a	15				Unitary DX Fan Coil Unit ACR-03
Hot Water Unit Heater UHR-07				15	19a	156								
						240			22b					
Unitary DX Fan Coil Unit ACR-01				15	21b		156							
							432		24c					
					23c			156						
								432	26a	20				Air Cooled Condenser Unit ACUR-03
					25a	1980								
						432			28b					
Air Cooled Condenser Unit ACUR-01				40	27b		1980							
							1992		30c	15				Spare
					29c									
								1992	32a	15				Spare
					31a									
						1992			34b	15				Spare
					33b									
							350		36c	15				Spare
				15	35c									
									38a	20				Make Up Air Unit MAUR-1 Heat Wheel
					37a									

					37a				40b							
					39b				42c							
					41c											
						9524	9434	6704								
				TOTAL WATT		25662										
				TOTAL AMP		71										

PANEL TYPE: TYPE 1 SPRINKLER PROOF

LOCATION: L1M RETAIL ELEC RM

MOUNTING: SURFACE

PANEL SCHEDULE

347/600 VOLTS

3 PHASE WIRE

200 AMP MAINS

MLO MAIN BREAKER

JOB NUMBER: 8489D

JOB NAME: Aquavista

61MCRM

DESCRIPTION	# OF REC.	# OF FIXT.	WATT / FIX.	BRKR SIZE	CCT. NO.	LOAD PER PHASE a	b	c	CCT. NO.	BRKR SIZE	WATT / FIXT.	# OF FIXT.	# OF REC.	DESCRIPTION
Make Up Air Unit MAUR-1 Supply Fan				40	1a	733			2a	15				MAUR 01Heating Pumps PR-11, PR-12 Duty/ Standby each 2.2kW
					3b	3733	733		4b					
					5c		3733		6c					
								733						
Condenser Water Pumps PR-01, PR-02 Duty/ Standby each 11.2kW				40	7a	187		3733	8a	15				DHW Circulation Pump PR-15 0 .56kW
					9b	3733	187		10b					
					11c		3733		12c					
								187						
Chilled Water Pumps PR-03, PR-04 Duty/ Standby each7.5kW				25	13a	250		2500	14a					Loading Bay Exhaust EFR-05
					15b	2500	250		16b					
					17c		2500		18c					
								250						
Boiler#1 Pump PR-05 2.2kW				15	19a			2500	20a	15				Metering
					21b	733			22b					
					23c		733		24c					
								733						
Boiler#2 Pump PR-06 2.2kW				15	25a	4467			26a	35				Cooling Tower CTR-01
					27b	733	4467		28b					
					29c		733		30c					
								4467						
High Temp Secondary Pumps PR-07, PR-08 Duty/ Standby each 5.6kW				20	31a	1867		733	32a	15				Make Up Air Unit MAUR-1 Exhaust Fan
					33b	1867	1867		34b					
					35c		1867		36c					
								1867						
					37a				38a					

Low Temp Secondary Pumps PR-09, PR-10 Duty/ Standby each 2.2kW				15	39b	733			40b	15				Spare
					41c		733		42c						
					43a			733	44a						
					45b				46b						
					47c				48c						
					49a				50a						
					51b				52b						
					53c				54c						
					55a				56a						
					57b				58b						
					59c				60c						
						21536	21536	21536							

TOTAL WATT 64608

TOTAL AMP 62

PANEL TYPE: TYPE 1 SPRINKLER PROOF

LOCATION: L1M RETAIL ELEC RM

MOUNTING: SURFACE

WATER CHILLER SCHEDULE

REFERENCE	DESCRIPTION	LOCATION	SERVING	OWNERSHIP	CAPACITY (KW)	COOLER / EVAPORATOR FLOW (L/S)	COOLER / EVAPORATOR EWT (°C)	COOLER / EVAPORATOR LWT (°C)	COOLER / EVAPORATOR PRE. DROP (KPA)	SAT. DISCHARGE TEMP. (°C)	CONDENSER FLOW (L/S)	CONDENSER EWT (°C)	CONDENSER LWT (°C)	CONDENSER PRE. DROP (KPA)	SAT. DISCHARGE TEMP. (°C)	INPUT POWER (kW)	IPVL	REFRIGERANT	NO. OF COMPRESSOR	STEPS OF UNLOADING	MANUFACTURER	OPERATING WEIGHT (KG)	MODEL No.	MIN. CIRCUIT AMPS	MAX. FUSE SIZE	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM	STARTER SUPPLIED BY:	STARTER INSTALLED BY:	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	INTERLOCK BY: DIV. 15	INTERLOCK BY: DIV. 16	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT DOWN	OTHERS	REMARKS:
CHR-01	SCROLL CHILLER	C/ROOM P1	4 PIPE FCU SYSTEM	RETAIL	430	18.5	11.1	5.6	36	-	23.2	29.4	35.0	45	35.7	96.7	20.2	R-410A	-	-	MCQUAY- DAIKIN	2155	WGZ130D	210	250	575	3	SWBD-6CR	-	YES	DIV. 15	DIV. 15	-	-	YES	YES	-	DIV. 15	-	-		-

NOTES:
1. REFER TO SECTION 15050 FOR WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.
3. FOULING FACTOR FOR COOLERS AND CONDENSERS: (0.0001) (0.00025).
4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.
5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WRIRING INSTALLED.

COOLING TOWER SCHEDULE

REFERENCE	DESCRIPTION	LOCATION	SERVING	OWNERSHIP	CAPACITY (KW)	SUMMER FLOW (L/S)	SUMMER EWT (°C)	SUMMER LWT (°C)	OUTDOOR TEMP. WB. (°C)	WINTER FLOW (L/S)	WINTER EWT (°C)	WINTER LWT (°C)	TUBES PRESS. DROP (KPA)	MODEL	OPERATING WEIGHT (KG)	MANUFACTURER	PAN HEATER (KW)	FAN MOTOR (KW)	MIN. CIRCUIT AMPS	MAX. FUSE SIZE	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY:	STARTER INSTALLED BY:	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	INTERLOCK BY: DIV. 15	INTERLOCK BY: DIV. 16	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT DOWN	OTHERS	REMARKS:
CTR-01	INDUCED DRAFT	ROOF	CHILLER # 03	RETAIL	430	23.2	35.0	29.4	24.4	-	-	-	-	PT2-0412A-1H1	-	BALTIMORE AIRCOIL	6	2 x 3.7	-	-	575	3	6RCRM	-	YES	DIV. 15	DIV. 15	VFD	-	YES	YES	-	-	DIV. 15	-	-	VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS., BASIN HEATER, LOW SOUND FAN. PROVIDE ALL INTERIOR WIRING AND CONTROL BY DIV 15 CONTRACTOR. PROVIDE SINGLE POWER POINT.

NOTES:
1. REFER TO SECTION 15050 FOR WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.
3. FOULING FACTOR FOR COOLERS AND CONDENSERS: (0.0001) (0.00025).
4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.
5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WIRING INSTALLED.
6. SINGLE ELECTRICAL FEED TO THE EQUIPMENT

BOILER SCHEDULE

REFERENCE	DESCRIPTION	LOCATION	SERVING	OWNERSHIP	INPUT (KW)	OUTPUT (KW)	GAS TRAIN INLET PRESSURE (KPA)	OPERATING PRESSURE MAX. (KPA)	OPERATING TEMP. MAX. (°C)	MANUFACTURER	MODEL	AMPERE	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY:	STARTER INSTALLED BY:	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	INTERLOCK BY: DIV. 15	INTERLOCK BY: DIV. 16	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT DOWN	OTHERS	REMARKS:
HBR-01	HIGH/LOW HEATING BOILER	M/ROOM L1 M	4-PIPE RETAIL	RETAIL	732	674	MIN. .1 / MAX. 3.2	1137	93.3	LOCHINVAR	FBN 2500	11	120	1	2P1MCRM	-	YES	DIV. 15	DIV. 15	PKG.	-	YES	YES	-	DIV. 16	-	-	-	PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DIV. 16)
HBR-02	HIGH/LOW HEATING BOILER	M/ROOM L1 M	4-PIPE RETAIL	RETAIL	732	674	MIN. .1 / MAX. 3.2	1137	93.3	LOCHINVAR	FBN 2500	11	120	1	2P1MCRM	-	YES	DIV. 15	DIV. 15	PKG.	-	YES	YES	-	DIV. 16	-	-	-	PROVIDE SHUT OFF SWITCH AT ROOM ENTRY (DIV. 16)

NOTES:
1. REFER TO SECTION 15050 FOR WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.
3. FOULING FACTOR FOR COOLERS AND CONDENSERS: (0.0001) (0.00025).
4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.
5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WRIRING INSTALLED.
6. PROVIDE MODULATING CENTRALISED CONTROLLER WITH INDOOR OUTDOOR RESET FOR BOILERS.
7. PROVIDE FLOW SWITCH, LOW WATER CUT OFF, PRESSURE REDUCING VALVES, AUX. CONTACTS FOR BAS.

MAKE UP AIR UNIT SCHEDULE

REFERENCE	DESCRIPTION	LOCATION	SERVING	OWNERSHIP	SUPPLY AIR (L/S)	EXHAUST AIR (L/S)	COOLING TOTAL (KW)	COOLING SENS (KW)	COOLING WATER FLOW (L/S)	HEATING TOTAL (KW)	HEATING SENS (KW)	HEATING WATER FLOW (L/S)	P.W.L. db RE 10^12 WATTS OCTAVE BAND 1	2	3	4	5	6	7	8	E.S.P. (KPA) SA/EA	MANUFACTURER	MODEL	HEAT WHEEL MOTOR (KW)	EXHAUST FAN MOTOR (KW)	SUPPLY FAN MOTOR (KW)	F. LOAD AMPS	MAX. FUSE AMPS	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY:	STARTER INSTALLED BY:	TYPE	CONTOLS MANUAL	CONTOLS AUTO.	INTERLOCK BY: DIV. 15	INTERLOCK BY: DIV. 16	OTHER REQUIREMENTS: W.P. DISC. AT MOTOR	OTHER REQUIREMENTS: DISC. AT MOTOR	OTHER REQUIREMENTS: F.A. SHUT	OTHERS	REMARKS:
MAUR-01	RETAIL MUA	LEVEL L1 MZ	RETAIL	RETAIL	4248	-	59.8	39.6	2.6	262	-	6.1									0.37/0.25	MCQUAY DAIKIN	CAH016GDAM	0.2	5.0	15.0	19	-	575	3	21MCRM	-	YES	DIV. 15	DIV. 15	VFD	-	YES	YES	-	-	DIV. 15	-		C/W ISOLATION DISCONNECT, FIRE STAT, DUCT STAT & HEAT WHEEL. DUCT MOUNTED FILTER BOX WITH MERV 8 PRE & MERV 13 CARBON FILTER AS PER A. Q. REPORT. VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS. COIL BYPASS, INLET MOTORIZED DAMPER,MAGNEHELIC FILTER GAUGES, PRESSURE DIFFERENTIAL SENSORS, ALARM TO BMS WHEN PRESSURE DROP EXCEEDS AS RECOMMENDED BY THE FILTER MANUFACTURER. POWER SUPPLY - 575V/3P/60H - 2 NOS. AND 120V/1P/60H - 1 NO.

NOTES:
1. REFER TO SECTION 15050 FOR WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION AND SPECIFICATION 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
4. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.
5. MECH. CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WRIRING INSTALLED.
6. ANY INCREASE IN ELECT. COSTS DUE TO MECH. EQUIPMENT SUBSTITUTION TO BE CARRIED BY DIVISION 15.

COOLING / HEATING COIL SCHEDULE

REFERENCE	DESCRIPTION	SERVICE	OWNERSHIP	TOTAL AIR FLOW (L/S)	COIL AIR FLOW (L/S)	COOLING CAPACITY (KW) TOTAL	COOLING CAPACITY (KW) SENSIBLE	HEATING CAPACITY (KW)	COOLING EAT (°C)	COOLING LAT (°C)	COOLING FLOW (L/S)	COOLING EWT (°C)	COOLING LWT (°C)	COOLING PRE. DP. (KPA)	HEATING EAT (°C)	HEATING LAT (°C)	HEATING FLOW (L/S)	HEATING EWT (°C)	HEATING LWT (°C)	HEATING PRE. DP. (KPA)	FLUID	MANUFACTURER	REMARKS:
CC-01	COOLING COIL	MAUR-01 COOLING	RETAIL	4248	2360	59.8	39.6	-	26.7/19.4	12.5/11.3	2.6	5.6	11.2	56	-	-	-	-	-	-	WATER	MCQUAY DAIKIN	
HC-01	HEATING COIL	MAUR-01 HEATING	RETAIL	4248	4248	-	-	262	-	-	-	-	-	-	-20.0	27.2	6.2	71.1	60.0	40	40% P.GLY.	MCQUAY DAIKIN	

NOTES:

HEAT EXCHANGER SCHEDULE

REFERENCE	LOCATION	SERVICE	OWNERSHIP	PRIMARY FLUID	PRIMARY FLOW US (L/S)	PRIMARY P.D. (KPA)	PRIMARY EWT (°C)	PRIMARY LWT (°C)	PRIMARY PRE. RATING (KPA)	SECONDARY FLUID	SECONDARY FLOW US (L/S)	SECONDARY P.D. (KPA)	SECONDARY EWT (°C)	SECONDARY LWT (°C)	SECONDARY PRE. RATING (KPA)	FUNCTION	MANUFACTURER	TYPE	MODEL NUMBER	REMARKS:
HER-01	MAU ROOM P3	MUA-05 HEATING	RETAIL	WATER	6.2	-	82.2	71.1	1034	40% P.GLY.	6.2	-	60.0	71.1	1034	HEATING	BELL & GOSSETT	PLATE AND FRAME	-	

NOTES:

PUMP SCHEDULE

REFERENCE	DESCRIPTION	LOCATION	OWNERSHIP	WATER FLOW (L/S)	HEAD (KPA)	RPM	MANUFACTURER	TYPE / SIZE	ENERGY REQUIRED (HP)	MOTOR SIZE (KW)	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY FED FROM	POWER SUPPLY EM.	POWER SUPPLY NORM.	STARTER SUPPLIED BY: DIV. 15	STARTER SUPPLIED BY: DIV. 16	STARTER INSTALLED BY: DIV. 15	STARTER INSTALLED BY: DIV.16	STARTER TYPE	CONTROLS MANUAL	CONTROLS AUTO.	INTERLOCK BY: DIV. 15	INTERLOCK BY: DIV.16	OTHER REQUIREMENTS W.P. DISC. AT MOTOR	OTHER REQUIREMENTS DISC. AT MOTOR	OTHER REQUIREMENTS F.A. SHUT.	REMARKS:
PR-01	CONDENSER WATER PUMP	M/ROOM L1	RETAIL	23.2	235	1800	ARMSTRONG	4300 0406-015.0		11.2	575	3	61MCRM	-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	C/W ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY,
PR-02	CONDENSER WATER PUMP	M/ROOM L1	RETAIL	23.2	235	1800	ARMSTRONG	4300 0406-015.0		11.2	575	3																
PR-03	CHILLED WATER PUMP	M/ROOM L1	RETAIL	18.5	250	1800	ARMSTRONG	4300 0310-010.0		7.5	575	3	61MCRM	-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	C/W ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE. - ONE DUTY / ONE STANDBY PACKAGE UNIT, - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.
PR-04	CHILLED WATER PUMP	M/ROOM L1	RETAIL	18.5	250	1800	ARMSTRONG	4300 0310-010.0		7.5	575	3								VFD								
PR-05	BOILER # 1 PUMP	M/ROOM L1	RETAIL	10.9	85	1800	ARMSTRONG	4380 0308-003.0		2.2	575	3	61MCRM	-	YES	YES	-	YES	-	CM FVNR	-	YES	YES	-	-	DIV. 15	-	C/W ISOLATION DISCONNECT
PR-06	BOILER # 2 PUMP	M/ROOM L1	RETAIL	10.9	85	1800	ARMSTRONG	4380 0308-003.0		2.2	575	3	61MCRM	-	YES	YES	-	YES	-	CM FVNR	-	YES	YES	-	-	DIV. 15	-	C/W ISOLATION DISCONNECT
PR-07	HIGH TEMP. SEC. PUMP	M/ROOM L1	RETAIL	18.3	230	1800	ARMSTRONG	4300 0308-007.5		5.6	575	3	61MCRM	-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	C/W ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE. - ONE DUTY / ONE STANDBY PACKAGE UNIT, - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.
PR-08	HIGH TEMP. SEC. PUMP	M/ROOM L1	RETAIL	18.3	230	1800	ARMSTRONG	4300 0308-007.5		5.6	575	3								VFD								
PR-09	LOW TEMP. SEC. PUMP	M/ROOM L1	RETAIL	4.7	190	1800	ARMSTRONG	4380 1506-003.0		2.2	575	3	61MCRM	-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	C/W ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSORLESS CONTROL SOFTWARE. - ONE DUTY / ONE STANDBY PACKAGE UNIT, - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS.
PR-10	LOW TEMP. SEC. PUMP	M/ROOM L1	RETAIL	4.7	190	1800	ARMSTRONG	4380 1506-003.0		2.2	575	3								VFD								
PR-11	MAUR-01 HEATING PUMP	M/ROOM L1 MZ	RETAIL	6.2	130	1800	ARMSTRONG	4380 0208-003.0		2.2	575	3	61MCRM	-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	C/W ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT,
PR-12	MAUR-01 HEATING PUMP	M/ROOM L1 MZ	RETAIL	6.2	130	1800	ARMSTRONG	4380 0208-003.0		2.2	575	3																
PR-13	NOT USED																											
PR-14	NOT USED																											
PR-15	DHW RECIR. PUMP	M/ROOM	CONDO	1.0	90	1800	S.A ARMSTRONG	4360 1.5D-0.75	-	0.56	575	3	61MCRM	-	YES	YES	-	YES	-	CM FVNR	-	YES	YES	-	-	YES	-	C/W BRONZE & ISOLATION DISCONNECT

NOTES:
1. REFER TO SECTION 15050 FOR WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15400 AND 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
4. ALL PUMPS WITH 100% STANDBY UNIT TO BE WITH AUTOMATIC SWITCH OVER ON PUMP FAILURE.
5. MECHANICAL CONTRACTORS SUPPLYING EQUIPMENT MUST COORDINATE LOCATIONS AND POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ANY EQUIPMENT ORDERED OR ELECTRICAL WRIRING INSTALLED.
6. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.

Date: 04/08/15

LICENSED PROFESSIONAL ENGINEER 8489D D. C. M. BELLAMY PROVINCE OF ONTARIO

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No.:	Revision	Date
1	ADD M-001	2015/10/30
2	ISSUED FOR SI-E002	2016/06/13

No	Issued For	Date
4		
3	ISSUED FOR CONSTRUCTION (ELECTRICAL)	2016-04-21
2	BUILDING PERMIT SUBMISSION	2015-06-12
1	WT REVIEW	2015-05-01

AQUAVISTA AT BAYSIDE TORONTO

Drawing Title
RETAIL - EQUIPMENT SCHEDULES #1

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

Scale: 1 : 1
Drawn by: S.J.
Checked by: Checker
Project No.: 8489D
Date: 04/08/15
Drawing No.: ME-31