

PART 1 - ADDENDUM

1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 6
RFP-041-26 VAR-610-19: ARC FLASH CONSULTING SERVICES

- .2 The Date of the Addendum is Friday, August 28, 2026

1.2 PRECEDENCE

- .1 This amendment to the Request for Proposals (RFP) documents is effective immediately.
- .2 This Addendum shall form an integral part of the original RFP documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued RFP documents with which it may prove to be at variance.

1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in **Appendix B - Submission Form**.

1.4 PURPOSE

- .1 The purpose of the Addendum is to inform proponents of the changes, deletions and additions to be added to the RFP documents.

1.5 CHANGES IN APPENDIX C

- .1 Changes to Evaluation Committee
- .1 Addition of; 5. Representative, Major (Facilities Management)

1.6 QUESTIONS AND RESPONSES

- .1 QUESTION: Will Memorial university be responsible for the printing & installation of the arc flash stickers?

RESPONSE: Yes, MUN will be responsible for the printing and installation of the arc flash stickers. Consultant shall submit labels to mun in XLS & PDF Format.

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.2 QUESTION: What Equipment will require an arc flash label?

RESPONSE: Switchgear, Panel's, MCC's, UPS, Transformers (Label on primary & Secondary), Automatic Transfer Switches, Disconnect Switches, VFD's and Motors.

.3 QUESTION: Does short circuit coordination mean Equipment evaluation – evaluate if installed devices are adequately rated for available short circuit in that area?

RESPONSE: Yes

.4 QUESTION: Does short circuit coordination mean protective device coordination – provide Time Current Curves to show that devices coordinate and the correct device will open during a fault?

RESPONSE: Yes

END OF ADDENDUM

PART 1 - ADDENDUM

1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 5
RFP-041-26 VAR-610-19: ARC FLASH CONSULTING SERVICES

- .2 The Date of the Addendum is Thursday, August 27, 2026

1.2 PRECEDENCE

- .1 This amendment to the Request for Proposals (RFP) documents is effective immediately.
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1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in **Appendix B - Submission Form**.

1.4 PURPOSE

- .1 The purpose of the Addendum is to inform proponents of the changes, deletions and additions to be added to the RFP documents.

1.5 CHANGES IN APPENDIX A

- .1 Changes to Section 4.1

- .1 **CH: Child Care** (Estimated 50 Bus count). A partial equipment list is located in Appendix M. The equipment list is to demonstrate to the proponent insight into the complexity of the building. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.
Building description: The Child Care Centre is a two storey building that contains toddler and pre-school programs. The building was constructed in 1990. The total building area is reported to be 19,196 ft².

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EX: East Tower (Estimated 150 Bus count). A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description: The East tower is a division of Macpherson College and is a six-storey building that contains student residence rooms. The building was constructed in 2014.

WX: West Tower (Estimated 150 Bus count). A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description: The West tower is a division of Macpherson College and is a six-storey building that contains student residence rooms. The building was constructed in 2014.

CA: Corte Real (Global Learning Centre) (Estimated 75 Bus count). A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description: Global Learning Centre is a two-story building that contains offices and facilities such as a mail room, laundry room and campus food bank. The building was constructed in 1973.

FH: Field House (Estimated 120 Bus count).

Building description: The site was originally developed in 2001 and reportedly has a total building area of 92,300 ft². The Building is an Athletic Facility / Gymnasium.

CP: Chemistry Physics (Estimated 500 Bus Count). A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description: The Chemistry and Physics building is a 6-storey structure that houses offices, classrooms, laboratories, and lecture halls. The building was constructed in 1967. The total building area is reported to be 206,219 ft².

FOM: Faculty of Medicine (Estimated 250 Bus count). A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description: The Faculty of Medicine building is a five-storey building that contains exam rooms, lecture halls and laboratories. The building was constructed in 2015. The total building area is reported to be 153,429 ft².

UA: Utilities annex (Estimated 500 Bus Count). A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the

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building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description: Utilities Annex is a two-storey building that contains a utilities plant. The building was constructed in 1975. The total building area is reported to be 25,889 ft². Hot water and AC units are reported to heat and cool the building. The Plant provides hydronic heat services through the St. John's Campus & Health Science Centre and is the main distribution location for both the Emergency (4160V) and Normal power (12.5KV) systems for the Health Science Centre. To meet the cooling needs of the Health Science Centre, the annex also contains three main chillers (1592 tons each). In the coming months, there will be two 15 MW electrical boilers added to the Annex that will be electrically tied to the Long Pond Substation (SE) to help meet the heating demand through an electrical option.

MTS: Vivarium (Estimated 75 Bus Count)

Building description: Vivarium is a single-storey building. The building was constructed in 1972. The total building area is reported to be 17,385 ft².

MTS: Research Labs (Estimated 50 Bus Count)

Building description: Mt. Scio Road Research Labs 297 is a single-storey building that contains laboratories. The building was constructed in 1970. The total building area is reported to be 10,830 ft².

MTS: Incinerator Building (Estimated 50 Bus Count)

Building description: Small Satellite Site Building located on Mt Scio Road. Comprised of laboratory & office spaces

MTS: Interpretative Centre (Estimated 50 Bus Count)

Building description: The Botanical Gardens interpretive centre is a two-storey building that contains offices. The building was constructed in 1976. The total building area is reported to be 7,006 ft².

MTS: Food Pilot (Estimated 50 Bus Count)

Building description: a single-storey research building. The building was constructed in 1985 and renovated in 2004. The total building area is reported to be 6,098 ft².

MTS: Various (Caretakers, Greenhouses, Barn Carriage houses) (Estimated 50 Bus Count)

Building description: Various Small Buildings located on at the Mount Scio Campus. Small buildings that are serviced by larger buildings on-site.

MI: Fox trap base (Estimated 50 Bus Count)

Building description: Marine Institute Satellite site located in Fox Trap. Space is used as instructional space for the Marine Institute programs.

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AQ: Aquarena Building (Estimated 120 Bus count).

Building description: The site was originally developed in 1976 and was reported to have a total building area of 63,105 ft². The building contains an enclosed pool with multiple diving boards, a teaching pool and additional fitness facilities. The building has had an electrical service upgrade to facilitate hosting the Canada Games.

BT: Biotech Building (Estimated 150 Bus Count). A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description:

SN: Science Building (Estimated 250 Bus Count): A partial equipment list is located in Appendix M. The equipment list is intended to demonstrate to the proponent the building's complexity. The list is not all-inclusive; all data collection will be provided to the successful proponent as mentioned in the RFP.

Building description: The science building is a four-storey building and contains classrooms and offices. The building was constructed in 1961. The total building area is reported to be 239,087 ft².

HSC/HV: Health Science complex 12.5kv distribution system (Estimated 50 bus count)-

System description: The Health Science Centre Distribution System consists of multiple complex sectional additions throughout the years. Electrically, it consists of a loop containing six 12.5 kV substations, with both sides of the loop fed from the utilities' annex second-level distribution. There is a third feed option for this loop, directly from the Long Pond Substation, which enters through an ATS on one side of the loop. Each of these subs feeds a sequence of secondary subs that help distribute the electricity to the main panels throughout the complex. Mun is responsible for the maintenance and operation of the 12.5 KV and 4160V systems in the main substations, as well as the 600V distribution within these substations. The Health Science Centre electrical staff are responsible for all remaining equipment throughout the complex.

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1.6 CHANGES IN APPENDIX M

.1 Partial Equipment Lists have been added for the following buildings;

- .1 CH: Child Care
- .2 EX: East Tower
- .3 WX: West Tower
- .4 CA: Corte Real (Global Learning Centre)
- .5 FOM: Faculty of Medicine
- .6 UA: Utilities Annex
- .7 BT: Biotech Building
- .8 SN: Science Building

END OF ADDENDUM

Biotech Equipment Info

Active is true = 1

Tag # contains BT

Tag #	Description	Location ID	Model #	Serial #	Active
BT-AC-02	Air Conditioner	BT-4000A	SCWH07552A11010	B0613S0047	TRUE
BT-AHU-01	AIR HANDLING UNIT	BT-1031B	39EH57	4891T34581	TRUE
BT-AHU-02	AIR HANDLING UNIT	BT-1031B	39ED17	4891T34582	TRUE
BT-AHU-03	AIR HANDLING UNIT (Filtered Return System With Reclaim)	BT-4000A	39ED36	4891T34583	TRUE
BT-ATS-01	Automatic Transfer Switch	BT-4000B	C9403400G90	X20162	TRUE
BT-CIRP-01	CIRCULATOR FOR HUMIDIFIER	BT-1031B		G41689\T11T2400165F	TRUE
BT-CIRP-02	HEAT RECLAIM PUMP	BT-4000A	3X3X10 1300	171057	TRUE
BT-CON-01	Condensing Unit (Roof Top Chiller)	BT-ROOF	OGAM 030G 2002 AXD2 A1A1 A1HX XA1C 1A4X XXXX XAXA	U18B66458	TRUE
BT-CV-01	CONTROL VALVE	BT-1031B			TRUE
BT-CV-02	CONTROL VALVE	BT-1031B			TRUE
BT-CWP-01	CHILLED WATER PUMP	BT-4000A	2X2X10 4300	171056	TRUE
BT-DHWP-01	DOMESTIC HOT WATER PUMP	BT-1031B	2D 1060 BF	171 059 6.125	TRUE
BT-DHWP-02	DOMESTIC HOT WATER RECIRCULATOR	BT-1031B	H-32AB		TRUE
BT-DHWT-01	Domestic Hot Water Tank	BT-1031B		1EW 9718	TRUE
BT-DP-01	Distribution Panel	BT-1031B	SERIES: 7		TRUE
BT-DP-02	Distribution Panel	BT-4000B	SERIES: 6		TRUE
BT-DP-03	Distribution Panel	BT-4000B	SERIES: 7	p4-8566	TRUE
BT-DP-04	Distribution Panel	BT-4000B	SERIES: 7		TRUE
BT-DP-05	Distribution Panel	BT-4001A	SERIES: 6		TRUE
BT-DP-06	Distribution Panel feeding panels & equipment in building	BT-4000B	SERIES: 6	S4-8562	TRUE
BT-DPE-01	Emergency Panel	BT-4000B	SERIES: 7		TRUE
BT-DPE-02	Emergency Panel	BT-4000B	SERIES: 7	P4-8566	TRUE
BT-DPE-03	Emergency Panel	BT-1031B	SERIES: 7		TRUE
BT-DPE-04	Emergency Panel	BT-4001A	SERIES: 7		TRUE
BT-DSW-01	Disconnect for Humidifier BT-HU-03	BT-1031B			TRUE
BT-DSW-02	Disconnect for Air Handling Unit BT-AHU-01	BT-1031B			TRUE
BT-DSW-03	Disconnect for Humidifier BT-HU-01	BT-1031B			TRUE
BT-DSW-04	Disconnect for Humidifier BT-HU-02	BT-1031B			TRUE
BT-DSW-05	Disconnect for BT-EH-01	BT-1031B			TRUE
BT-DSW-06	Disconnect for BT-EH-02	BT-1031B			TRUE
BT-DSW-07	Disconnect for BT-EH-03	BT-1031B			TRUE
BT-DSW-08	Disconnect for BT-RC-02	BT-1031B			TRUE
BT-DSW-09	Disconnect for BT-RC-01	BT-1031B			TRUE
BT-DSW-10	Disconnect for BT-CIRP-01 Humidifier	BT-1031B			TRUE
BT-DSW-11	Disconnect for BT-AHU-02	BT-1031B			TRUE
BT-DSW-12	Disconnect for BT-AHU-03	BT-4000A			TRUE
BT-DSW-13	Disconnect for fan force heater EH-8	BT-4000A			TRUE
BT-DSW-14	Disconnect For walk in cooler BT-3007	BT-4000A			TRUE
BT-DSW-15	Disconnect switch	BT-4000A			TRUE
BT-DSW-16	Disconnect switch for BT-AC-02 in room BT-4000A	BT-4000A			TRUE
BT-DSW-17	Disconnect for fan forced heater EH-9	BT-4000A			TRUE
BT-DSW-18	Disconnect For Air Dryer	BT-4000A			TRUE
BT-DSW-19	Disconnect for EH-04 fan forced heater	BT-1031B			TRUE
BT-EDO1223	Main Building Elevator	BT-1E01			TRUE
BT-EF-14	Exhaust Fan (Wahrms BT-1002-1003-2001-2002-3001-3002)	BT-4000A	CENTREX REX-14B		TRUE
BT-EF-15	Exhaust Fan (Mech South Rm BT-4000A)	BT-4000A	BREEZEWAY BF-24		TRUE
BT-EF-16	Fresh Air Supply Exhaust Fan.	BT-1031B	P16Q1A	K19AJ29314	TRUE
BT-EH-01	ELECTRIC HEATER WITH FAN	BT-1031B	WFA	21-1951-1	TRUE
BT-EH-02	ELECTRIC HEATER WITH FAN	BT-1031B	WFA//CAT. NO:318C-4-5	21-1948-1	TRUE
BT-EH-03	ELECTRIC HEATER WITH FAN	BT-1031B	WFA//CAT. NO:318C-4-5	21-1949-1	TRUE
BT-EH-04	ELECTRIC HEATER WITH FAN	BT-1031B	WFA//CAT. NO:518C-4-5	21-1979-1	TRUE
BT-EH-05	ELECTRIC HEATER WITH FAN	BT-1017	WFA//CAT. NO:518C-4-5	21-1947-1	TRUE
BT-EH-06	ELECTRIC HEATER WITH FAN	BT-1017	WFA//CAT. NO:318C-4-5		TRUE
BT-EH-07	ELECTRIC HEATER WITH FAN	BT-4001A	WFA//CAT. NO:318C-4-5	21-1950-1	TRUE
BT-EH-08	ELECTRIC HEATER WITH FAN	BT-4001A	WFA//CAT. NO:318C-4-5		TRUE
BT-EH-09	ELECTRIC HEATER WITH FAN	BT-4000A	WFA//CAT. NO:318C-4-5		TRUE
BT-ELE-01	Bio-Tech Building Electrical (ELE) Meter	BT-4000B	P7330A0B0B0E0A0A	PB-0902A196-11	TRUE

BT-ELV-01	ELEVATOR CONTROLS	BT-1015		D-20405	TRUE
BT-EMCC-01	Emergency motor control center	BT-1031B			TRUE
BT-EMCC-02	Emergency motor control center	BT-1031B			TRUE
BT-EMCC-03	Emergency motor control center	BT-4001A			TRUE
BT-EMCC-04	Emergency motor control center	BT-4001A			TRUE
BT-EMCC-05	Emergency motor control center	BT-4001A			TRUE
BT-EMG-01	Emergency Panel	BT-1031B	NLAB442A		TRUE
BT-EMG-02	Emergency Panel	BT-4000B	NLAB442A		TRUE
BT-FAP-01	Fire Alarm Panel (near BT-2007)	BT-2C01	ESA2000		TRUE
BT-FFH-01	FORCE FLOW HEATER	BT-2021	CAT #: C4D10IT		TRUE
BT-FFH-02	FORCE FLOW HEATER	BT-2020	CAT #: C4D10IT		TRUE
BT-FFH-03	FORCE FLOW HEATER, 2ND FLOOR ENTRANCE	BT-2 FLOOR	CAT #: C4D10IT		TRUE
BT-FFH-04	FORCE FLOW HEATER - EAST STAIRS	BT-2 FLOOR	CAT #: C3D05IT		TRUE
BT-FFH-05	FORCE FLOW HEATER - WEST STAIRS	BT-2 FLOOR	CAT #: C4D10IT		TRUE
BT-FWP-01	FEED WATER PUMP	BT-4001A	CAT #: 3CT SM-SP	684521	TRUE
BT-HEX-01	Heat Exchanger	BT-1031B		300523 23197.11	TRUE
BT-HU-01	HUMIDIFIER	BT-1031B	NHMC-150	1H60718010	TRUE
BT-HU-02	HUMIDIFIER	BT-1031B	NHMC-150	1H60718009	TRUE
BT-HU-03	HUMIDIFIER	BT-1031B	CAT #: CWC-B-60	M920272	TRUE
BT-HVSG-01	High Voltage Cubicle, Biotechnology	BT-1000	44040-961-51	17-37645384-001	TRUE
BT-HVTR-01	Transformer Feeding BT-LVSG-01	BT-4000B	CR3C0750 S015415	RZC-0002-231522	TRUE
BT-LVSG-01	Low Voltage Switchgear	BT-4000B			TRUE
BT-MCC-01	Motor Control Center	BT-1031			TRUE
BT-MCC-02	Motor Control Center	BT-1031			TRUE
BT-MCC-03	Motor Control Center	BT-4000A			TRUE
BT-MC-I	MASTER CLOCK	BT-4000B	2470		TRUE
BT-MP-01	MAIN PUMP	BT-1031B	4X3X10 4030	171061	TRUE
BT-MP-02	MAIN PUMP	BT-1031B	4X3X10 4030	171060	TRUE
BT-MP-03	MAIN PUMP	BT-1031B	SG-43		TRUE
BT-MP-05	MAIN PUMP	BT-1031B	3x3x10 4300	171058	TRUE
BT-MTR-01	Motor (Exhaust Fan EF-01)	BT-4001A	B560691	Code L	TRUE
BT-MTR-02	Motor (Exhaust Fan EF-02)	BT-4001A	A560491	Code L	TRUE
BT-MTR-03	Motor (Exhaust Fan EF-03)	BT-4001A	B560691	Code L	TRUE
BT-MTR-04	Motor (Exhaust Fan EF-04)	BT-4001A	B560691	Code L	TRUE
BT-MTR-05	Motor (Exhaust Fan EF-05)	BT-4001A	B560691	Code L	TRUE
BT-MTR-06	Motor (Exhaust Fan EF-06)	BT-4001A	B560691	Code L	TRUE
BT-MTR-07	Motor (Exhaust Fan EF-07)	BT-4001A	B560691	Code L	TRUE
BT-MTR-08	Motor (Exhaust Fan EF-08)	BT-4001A	B560691	Code L	TRUE
BT-MTR-09	Motor (Exhaust Fan EF-09)	BT-4001A	A560691	Code L	TRUE
BT-MTR-11	Motor (Exhaust Fan EF-11)	BT-4001A	A560691	Code L	TRUE
BT-MTR-12	Motor (Exhaust Fan EF-12)	BT-4001A	WVN56T17D53828	G109-575	TRUE
BT-MTR-13	Motor (Exhaust Fan EF-13)	BT-4001A	F017A	U1S2GFC	TRUE
BT-MTR-14	Motor (Exhaust Fan EF-14)	BT-4000A	WVN56T17D53848	G120-575	TRUE
BT-MTR-15	Motor (Exhaust Fan EF-15)	BT-4000A	WVN56T17D53848	G120-575	TRUE
BT-OVHD-14	OVERHEAD DOOR	BT-2020		SIZE: 8'x8'	TRUE
BT-OVHD-15	OVERHEAD DOOR	BT-2021	204T33680	SIZE: 8'x8'	TRUE
BT-PP-01	POWER PANEL	BT-1031B	NLAB4244		TRUE
BT-PP-02	POWER PANEL BY BT-1001	BT-1C02	NLAB442A		TRUE
BT-PP-03	POWER PANEL BY BT-1003	BT-1C02	NLAB442A		TRUE
BT-PP-04	POWER PANEL BY BT-1003	BT-1C02	NLAB442A		TRUE
BT-PP-05	POWER PANEL BY BT-1019	BT-1C04	NLAB442A		TRUE
BT-PP-06	POWER PANEL BY BT-2011 (2A)	BT-2C02	NLAB442A		TRUE
BT-PP-07	POWER PANEL BY BT-2011	BT-2C02	NLAB442A		TRUE
BT-PP-08	POWER PANEL BY BT-2011	BT-2C02	NLAB442A		TRUE
BT-PP-09	POWER PANEL BY BT-2014	BT-2C02	NLAB442A		TRUE
BT-PP-10	POWER PANEL BY BT-2014	BT-2C02	NLAB442A		TRUE
BT-PP-11	POWER PANEL BY BT-2011	BT-2C02	NLAB442A		TRUE
BT-PP-12	POWER PANEL in BT-3004	BT-3004	NLAB442A		TRUE
BT-PP-13	POWER PANEL in BT-3005	BT-3005	NLAB442A		TRUE
BT-PP-14	POWER PANEL in BT-3006	BT-3006	NLAB442A		TRUE
BT-PP-15	POWER PANEL BY BT-3011	BT-3C02	NLAB442A		TRUE
BT-PP-16	POWER PANEL in BT-3010	BT-3010	NLAB442A		TRUE
BT-PP-17	POWER PANEL	BT-3C02	NLAB442A		TRUE
BT-PP-18	POWER PANEL BY BT-3011	BT-3C02	Series 7	P4 8566	TRUE
BT-PP-19	POWER PANEL in BT-3014	BT-3014	SERIES: 7		TRUE
BT-RC-01	Refrigerant Compressor	BT-1031	AH7480AW	9K01385119	TRUE
BT-RC-02	Refrigerant Compressor (BT-1012)	BT-1031	AH7511AU	9G1932961	TRUE
BT-RC-03	Refrigerant Compressor (BT-3007)	BT-4000	AH7511AU	86826-A	TRUE
BT-RC-04	Refrigerant Compressor	BT-2021	RE-20-C	47863-191	TRUE
BT-SF-01	SUPPLY FAN	BT-1031	BREEZEWAY P-16-T		TRUE
BT-SP-01	SUMP PUMP	BT-1014	P63CPZ-2887		TRUE
BT-STBR-01	STEAM BOILER	BT-4001A	LB-180	40089	TRUE
BT-TRAN-01	Transformer	BT-1031B	Esaver-80R-75-600-208	52512	TRUE
BT-TRAN-02	Transformer	BT-4000B	Esaver-80R-112.5-600-208	52519	TRUE

BT-TRAN-04	Transformer	BT-4000B	Esaver-80R-112.5-600-208	52520	TRUE
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Chemistry Physics Equipment Info

Tag # contains C-

Tag #	Description	Location ID	Model #	Serial #	Active
C-AC-01	Air Conditioner	C-1000	CU 47W-A00	117363A	TRUE
C-AC-02	Air Conditioning for C-1000	C-1000A	SWUB-B306-E	S88K75562	TRUE
C-AC-11	Air Conditioner	C-1062	5KC33DR	14-122155	TRUE
C-AC-13	Air Conditioner	C-4017B	WCV08041E10AA210 000K0010	W94F09540	TRUE
C-AC-14	Air Conditioner	C-1006	KAC-024- VC	950300026	TRUE
C-AC-16	Air Conditioner	C-2042	50VQD 100FMC601	0197V43522	TRUE
C-AC-20	Air Conditioner (M Clouther Lab)	C-1060	CP15WV11P	NTA856151	TRUE
C-AC-21	Air Conditioner (for C-1034)	C-1034B	WPC-12	180-168C	TRUE
C-AC-22	Air Conditioner	C-3020A	50VQA100FCC621	2801V13477	TRUE
C-AC-23	Air Conditioner (for PC Labs C-2003/2004)	C-2006	50VQA24DB CC621	1200V83311	TRUE
C-AC-24	Air Conditioner (for Labs C-1003/C-1007)	C-1007	KAC-048-V-5B	B2006060234	TRUE
C-AC-28	Air Conditioner (For C-4058)	C-4058	WPC24-1	0804 1A24 CRE B- 11544	TRUE
C-AHU-01	HEATING/VENTILATION UNIT	C-6000			TRUE
C-AHU-02	HEATING/VENTILATION UNIT	C-6000			TRUE
C-ATS-01	Automatic Transfer Switch	C-6007	Cat # H07ATBC30800N5XE	518445	TRUE
C-COMP-01	Air Compressor [3D printers]	C-1008	GA15PLUS	API295198	TRUE
C-CON-01	Condensing Unit on wall near overhead door in center of penthouse	C-ROOF	PUY-A36NHA4	44U14625C	TRUE
C-CON-02	Condensing Unit on wall near overhead door in center of penthouse	C-ROOF	PUY-A36NHA4	4XU15707A	TRUE
C-CONP-02	Condensate Pump	C-2030	A 96080853 P1 0220 US 320	Type CR1S-4 U-A-A-E- HQQE	TRUE
C-CONP-1	CONDENSATE PUMP	C-2030	A35-BF		TRUE
C-CONP-3	CONDENSATE PUMP	C-2009	A35-BF		TRUE
C-CONP-4	CONDENSATE PUMP	C-2009	A35-BF	PUMP# 015-251	TRUE
C-DHWP-1	DOMESTIC HOT WATER PUMP	C-1031	1.3B1080AB	170702	TRUE
C-DHWP-2	DOMESTIC HOT WATER PUMP	C-1008	1B1050AB	170600	TRUE
C-DHWP-3	DOMESTIC HOT WATER RECIRCULATOR	C-1031	H51S7	R8602	TRUE
C-DHWP-4	DOMESTIC HOT WATER RECIRCULATOR	C-1008	H41S46BF	R8209	TRUE
C-DHWT-1	Domestic Hot Water Tank	C-1031		4266	TRUE
C-DHWT-2	Domestic Hot Water Tank	C-1008		4268	TRUE
C-DP-01	Electrical Distribution Panel	C-6007	SERIAL No: 26649122- 001		TRUE
C-DP-02	Electrical Distribution Panel	C-6007	Job No: 14E5012		TRUE
C-DP-1008	Distribution Panel	C-1008			TRUE
C-DP-4054	Distribution Panel	C-4054			TRUE
C-DP-A	Distribution Panel	C-1055A		M721023X-J	TRUE
C-DP-B	Distribution Panel	C-1034A	CAT. NO: ABL-4422		TRUE
C-DP-C	Distribution Panel	C-4042A	CAT. NO: ABL-4422		TRUE
C-DP-D	Distribution Panel	C-1015A		M721023X-M	TRUE
C-DP-E	Distribution Panel	C-3032	CAT. NO: ABL-4422		TRUE
C-DP-EE	Electrical Panel	C-6007	Job No: 14E5013		TRUE
C-DP-F	Distribution Panel	C-3032	CAT. NO: ABL-4304	SERIES: 1W	TRUE
C-DP-G	Distribution Panel	C-4021	CAT. NO: ABL-4424	SERIES: 1W	TRUE
C-DP-J	Distribution Panel	C-6007	Job No: 24B897000		TRUE
CD-POTC-01	Chemical Pot Feeder, Glycol Heat Recovery Loop	CD-2009			TRUE
C-DP-PA	Distribution Panel	C-1055A		M721023X-A	TRUE
C-DP-PB	Distribution Panel	C-4054		M721023X-B	TRUE
C-DP-PC	Distribution Panel	C-1034A		M721023X-C	TRUE
C-DP-PD	Distribution Panel	C-4042A		M721023X-O	TRUE
C-DP-PE	Distribution Panel	C-1015A		M721023X-3	TRUE
C-DP-PF	Distribution Panel	C-3032		M721023X-F	TRUE
C-DP-PG	Distribution Panel	C-4021		M721023X-G	TRUE
C-DP-PH	Distribution Panel	C-1015A		M721023X-H	TRUE
C-DP-PK	Distribution Panel	C-6001	Cat. No.12316907420210001		TRUE
C-DP-PK-1	Power Panel	C-6007			TRUE
C-DP-PL	Distribution Panel	C-6007	P6 37449	SERIES: 6	TRUE
C-DSW-01	Disconnect Switch	C-4058	SE221		TRUE
C-DSW-02	Disconnect Switch	C-1000	ID362		TRUE
C-DSW-03	Disconnect Switch	C-1069	CDG221NGB		TRUE
C-DSW-04	Disconnect Switch	C-1030			TRUE
C-EDO0286	Passenger Elevator near Loading Door, East Corner	C-1E01			TRUE
C-EDO0287	Passenger Elevator near Tunnel, South Corner	C-1E02			TRUE
C-EDO0288	Passenger Elevator near Skywalk, West Corner	C-1E03			TRUE

C-EF-01	Exhaust Fan for Elevator Room C-6003 (On High Roof)	C-ROOF	DR30H	Use Ladder Outside 6001	TRUE
C-EF-02	Exhaust Fan for Elevator Room C-6008 (On High Roof)	C-ROOF	DR30H	Use Ladder Outside 6001	TRUE
C-EF-03	Exhaust Fan Serves fume hood in C-2032 (Access via 4th floor stairwell in C Block))	C-ROOF	DU33H		TRUE
C-EF-06	Exhaust Fan (fan for EN-1016)	C-ROOF	100 TCNHL1 100TCNHBLE07	132SG29900-00/0001901	TRUE
C-EF-A001	Exhaust Fan (Washrms Blocks A & B)	C-ROOF	Penn LC-24		TRUE
C-EF-A005	Exhaust Fan for compressor in room C-1008	C-1016B			TRUE
C-EF-B001	Exhaust Fan (for C-1057/58/1062/64 Block C)	C-ROOF	Penn LC20		TRUE
C-EF-B002	Exhaust Fan (Emergency Exh C-1064 Block B)	C-ROOF	Penn LC20		TRUE
C-EF-B003	Exhaust Fan (Emergency Exh C-1062 Block B)	C-ROOF	Penn LC20		TRUE
C-EF-B005	Exhaust Fan (Emergency Exh C-1057)	C-ROOF	Penn LC20		TRUE
C-EF-B006	Exhaust Fan (for C-1000B)	C-ROOF	Penn LC20		TRUE
C-EF-B007	Exhaust Fan (Fume Hood in C-1056 Penthouse Roof)	C-ROOF	NYBCAN 12 61	B6-3735	TRUE
C-EF-B008	Exhaust Fan (Fume Hood in C-1058 Penthouse Roof)	C-ROOF	NYBCAN 12 PLR	B6-3735	TRUE
C-EF-B009	Exhaust Fan (Fume Hood in C-1062 Penthouse Roof)	C-ROOF	NYBCAN 12 PLR	B6-3735	TRUE
C-EF-B011	Exhaust Fan (Fume Hood in C-2052 Block B)	C-ROOF	Fumex 12A		TRUE
C-EF-B012	Exhaust Fan (Fume Hood in C-2052 Block B)	C-ROOF	Fumex 12A		TRUE
C-EF-B013	Exhaust Fan (Fume Hood in C-1055 Block B)	C-ROOF	VEBK1551		TRUE
C-EF-B014	Exhaust Fan (General Ventilation)	C-ROOF			TRUE
C-EF-B015	Exhaust Fan (for Fume Hood in C-1066)	C-ROOF	CUBE-141-4	10769899-0702	TRUE
C-EF-B016	Exhaust Fan	C-ROOF	VWBK12M1A6NA145P9	705782-005	TRUE
C-EF-C002	Exhaust Fan (Washrms C-1054A/3064/4055)	C-ROOF	Penn LC-12		TRUE
C-EF-C003	Exhaust Fan for C-1016D	C-ROOF	C1W 250		TRUE
C-EF-D074	EXHAUST FAN, INLINE C-1033	C-6000	14514422		TRUE
C-EF-D081	Exhaust Fan (Washrms C-1037/2029/3051/4041/5019/5020)	C-ROOF	LC-42		TRUE
C-EF-D086	Exhaust Fan (Electrical Rm C-3032)	C-ROOF	G-095-DGE117XQD	21020405	TRUE
C-EF-D087	Exhaust Fan (Electrical Rm C-4021)	C-ROOF	G-095-DGE117XQD	21050988	TRUE
C-EL-01	Emergency Light Pack (North Elevator)	C-6003			TRUE
C-EL-02	Emergency Light Pack (Hydraulic Elevator)	C-1047	06JML36	B1048802	TRUE
C-EL-03	Emergency Light Pack (South Elevator)	C-6008			TRUE
C-ELE-01	Chemistry Electrical (ELE) Meter	C-6007	P7330A0B0B0E0A0A	PB-0901A814-11	TRUE
C-ELV-1	ELEVATOR CONTROLS	C-6008		10247	TRUE
C-ELV-2	ELEVATOR CONTROLS	C-6003		10246	TRUE
C-ELV-3	ELEVATOR CONTROLS	C-1047		10248	TRUE
C-EMG-A	Emergency Panel (Disconnected)	C-6002	CAT. NO: BC-424100		TRUE
C-EMG-B	Emergency Panel	C-6007			TRUE
C-EMG-EMA	Emergency Panel	C-1034A	P4-31420	SERIES: 7	TRUE
C-EMG-EMB	Emergency Panel	C-1034A	P4-31420	SERIES: 7	TRUE
C-FAP-01	Fire Alarm Panel (Main Entrance)	C-2C01			TRUE
C-FAP-02	Fire Alarm Panel (for Main Locker Tunnels)	C-1034A	6632		TRUE
C-FDS-01	High voltage fused diconnect feeds C-HVTR-01	C-6007	Dng no: CDs-1593692		TRUE
C-FFH-1	FORCE FLOW HEATER - BY C-1016	C-1016			TRUE
C-FFH-2	FORCE FLOW HEATER	C-6000	311405	TYPE: K	TRUE
C-FFH-3	FORCE FLOW HEATER	C-6000	CAT #: AX7-522		TRUE
C-FH-03	95-97 Space Survey Lists One Fume Hood in C-1028	C-1028			TRUE
C-FH-04	95-97 Space Survey Lists One Fume Hood in C-1055	C-1055			TRUE
C-FH-05	95-97 Space Survey Lists One Fume Hood in C-1056	C-1056			TRUE
C-FH-06	95-97 Space Survey Lists One Fume Hood in C-1058	C-1058			TRUE
C-FH-07	95-97 Space Survey Lists One Fume Hood in C-1062	C-1062			TRUE
C-FH-08	95-97 Space Survey Lists One Fume Hood in C-2014	C-2014			TRUE
C-FH-11	95-97 Space Survey Lists One Fume Hood in C-2032	C-2052			TRUE
C-FH-12	95-97 Space Survey Lists 2 Fume Hoods in C-2052	C-2052			TRUE
C-FH-13	95-97 Space Survey Lists One Fume Hood in C-2058	C-2058			TRUE
C-FH-24	95-97 Space Survey Lists One Fume Hood in C-3048	C-3048			TRUE
C-FH-31	95-97 Space Survey Lists 3 Fume Hoods in C-4030	C-4030			TRUE
CF-HVAC-01	HVAC Unit	CF-ROOF	RPS025DLE	FBOU120901745	TRUE
CF-HVAC-02	HVAC Unit	CF-ROOF	RPS025DLE	FBOU120901731	TRUE
CF-MCC-02	MOTOR CONTROL CENTER	CF-1004		ASBJ-AAL-2	TRUE

CF-MCC-1	MOTOR CONTROL CENTER	CF-1004		ASBL-AAL-1	TRUE
C-FP-1	FUEL PUMP	C-1018A	PP-2M	66003	TRUE
C-FTNK-02	Fuel Tank (Generator)	C-EXT		97C	TRUE
C-FWP-1	FEED WATER PUMP	C-6006	PUMP#4TL-1		TRUE
C-FWT-1	FEED WATER TANK	C-6006		C5952	TRUE
C-GEN-01	Diesel Generator	C-GR	500RE0ZVB	2235987	TRUE
C-HP-1	HEAT PUMP	C-1031	1.15D1060AB	170697	TRUE
C-HP-2	HEAT PUMP	C-1008	1.5D1060AB	170696 5.75	TRUE
C-HVTR-01	High Voltage Transformer to Low voltage Panels	C-6007	Type. Dd2000	C70544	TRUE
C-LP-1DD	Lighting Panel	C-1015A	CAT. NO: QBL 420		TRUE
C-LP-LAA	Lighting Panel Beside C-1007	C-1C02		452123-A	TRUE
C-LP-LAB	Lighting Panel Beside C-3020	C-3C01		452123-B	TRUE
C-LP-LAC	Lighting Panel Beside C-4011	C-4C01		452123-C	TRUE
C-LP-LBA	Lighting Panel Beside C-1064	C-1C07		452123-D	TRUE
C-LP-LBB	Lighting Panel Beside C-2052	C-2C06		452123-E	TRUE
C-LP-LCA	Lighting Panel Beside C-1049	C-1C06		452123-F	TRUE
C-LP-LCB	Lighting Panel Beside C-2038	C-2C05		452123-G	TRUE
C-LP-LCC	Lighting Panel Beside C-3061	C-3C05		452123-H	TRUE
C-LP-LCD	Lighting Panel Beside C-4052	C-4C05		452123-I	TRUE
C-LP-LDA	Lighting Panel Beside C-1026	C-1C04		452123-J	TRUE
C-LP-LDB	Lighting Panel Beside C-2016	C-2C03		452123-K	TRUE
C-LP-LDC	Lighting Panel Across From C-3043	C-3C03		452123-L	TRUE
C-LP-LDD	Lighting Panel Beside C-4031	C-4C03		452123-M	TRUE
C-LP-LDE	Lighting Panel Beside C-5009	C-5C01		452123-N	TRUE
C-LP-LDF	Lighting Panel	C-6000		452123-D	TRUE
C-LP-LDG	Lighting Panel	C-1034A		452123-P	TRUE
C-LVSG-01	Low Voltage Switchgear feeding C-DP-01	C-6007	POWER PACT RJ1600	06413980910001	TRUE
C-LVSG-02	LOW SWITCHGEAR feeding C-DP-02	C-6007	POWER PACT RJ1600	06413980910002	TRUE
C-MCC-01	Motor Control Centre beside C-6006	C-6000	CLASS: 8999//TYPE:B	M721733XA	TRUE
C-MCC-02	Fan Control Centre Panel	C-6007	CLASS: 8999//TYPE:B	M721733X-B	TRUE
C-MCC-PJ	Motor Control Centre	C-1067A	CLASS: 8999//TYPE:B	M721733X-C	TRUE
C-MP-A	Main Pump	C-6000	Cat #11-40957-633L011782	197103680810B	TRUE
C-MP-B	Main Pump	C-6000	Cat #11-40957-633L011782	197103680810A	TRUE
C-MTR-A001	Motor (Exhaust Fan)	C-ROOF	C6T17DR11	110052.00	TRUE
C-MTR-A002	Motor (Exhaust Fan)	C-6002A			TRUE
C-MTR-A003	Motor (Exhaust Fan)	C-ROOF	T387068	1714206	TRUE
C-MTR-A004	Motor (Exhaust Fan)	C-ROOF	145T-DBS	2733-10004	TRUE
C-MTR-B001	Motor (Exhaust Fan)	C-ROOF	35-4-1537	164	TRUE
C-MTR-B002	Motor (Exhaust Fan)	C-ROOF	C6T17FB143	M009032	TRUE
C-MTR-B003	Motor (Exhaust Fan)	C-ROOF	C4T17DJ1C	100145M00	TRUE
C-MTR-B004	Motor (Exhaust Fan)	C-ROOF	C4T17DJ1B	100145.00	TRUE
C-MTR-B005	Motor (Exhaust Fan)	C-ROOF	C6T17DB1C	11002900	TRUE
C-MTR-B006	Motor (Exhaust Fan)	C-ROOF	C6T17DR1E	110052.00	TRUE
C-MTR-B007	Motor (Exhaust Fan)	C-ROOF	105133	908787	TRUE
C-MTR-B008	Motor (Exhaust Fan)	C-ROOF			TRUE
C-MTR-B009	Motor (Exhaust Fan)	C-ROOF	A4K17DB5		TRUE
C-MTR-B010	Motor (Exhaust Fan)	C-ROOF	323P673	CB5	TRUE
C-MTR-B011	Motor (Exhaust Fan)	C-ROOF	323P673	CB5	TRUE
C-MTR-B012	Motor (Exhaust Fan)	C-ROOF	F48E74A01	7K99	TRUE
C-MTR-B013	Motor (Exhaust Fan)	C-ROOF	9QE56C17D2074NP	B-310	TRUE
C-MTR-B014	Motor (Exhaust Fan)	C-ROOF	C6T11FB2C	110353.00	TRUE
C-MTR-B015	Motor (Exhaust Fan)	C-ROOF	56C17E5518DP	SCSE	TRUE
C-MTR-B016	Motor (Exhaust Fan)	C-ROOF	A0J5617G5315HP	SCSE	TRUE
C-MTR-C002	Motor (Exhaust Fan)	C-ROOF	30K48C17D2042JP	B-313	TRUE
C-MTR-D086	Motor (Exhaust Fan)	C-ROOF	A0820B3680	308318	TRUE
C-MTR-D087	Motor (Exhaust Fan)	C-ROOF	A0820B3680	308318	TRUE
C-MTR-MPA	Motor (Main Pump MPA)	C-6000	Cat #M3313T	F0902201420	TRUE
C-MTR-MPB	Motor (Main Pump MPB)	C-6000	Cat #M3313T	F0902201360	TRUE
C-OVHD-32	MOTORIZED OVERHEAD DOOR	C-1017	Size 9' x 7'		TRUE
C-OVHD-42	MOTORIZED OVERHEAD DOOR	C-6000	Size 8' x 8'		TRUE
C-OVHD-43	MOTORIZED OVERHEAD DOOR	C-6001	Size 8' x 8'		TRUE
C-PP-1BA	Power Panel	C-1000	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-1BB	Power Panel	C-1000			TRUE
C-PP-1BC	Power Panel	C-1067			TRUE
C-PP-1CA	Power Panel	C-1045	CAT. NO: QBL 442	SERIES: T2	TRUE
C-PP-1CAB	Power Panel	C-1045			TRUE
C-PP-1CB	Power Panel Beside C-1045	C-1C06	CAT. NO: B 442200		TRUE
C-PP-1CD	Power Panel	C-1055			TRUE
C-PP-1DA	Power Panel Beside C-1026	C-1C04	CAT. NO: QBL 436	SERIES: T2	TRUE
C-PP-1DB	Power Panel Beside C-1022	C-1C04	CAT. NO: QBL-324	SERIES: T2	TRUE
C-PP-1DC	Power Panel Beside C-1031	C-1C04	CAT. NO: QBL 424	SERIES: T2	TRUE
C-PP-1DD	Power Panel	C-1067			TRUE
C-PP-1DF	Power Panel	C-1034A	CAT. NO: QBL-412	SERIES: T2	TRUE

C-PP-1DH	Power Panel	C-1034A	CAT. NO: B 412100		TRUE
C-PP-1DJ	POWER PANEL AT CHEMICAL STORAGE AREA	C-GEN	CAT. NO: 1PX5-12		TRUE
C-PP-1DL	Power Panel	C-1015A	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-1PK	Power Panel	C-1015A		M772528-A	TRUE
C-PP-2DA	Power Panel	C-2014	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-2DB	Power Panel	C-2016	CAT. NO: QBL-436	SERIES: T2	TRUE
C-PP-2DC	Power Panel	C-2025	CAT. NO: QBL 436	SERIES: T2	TRUE
C-PP-3AA	Power Panel	C-3028	CAT. NO: NCQ 304F		TRUE
C-PP-3CA	Power Panel	C-3067			TRUE
C-PP-3DA	Power Panel	C-3040	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-3DB	Power Panel	C-3042	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-3DC	Power Panel	C-3043	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-3DD	Power Panel	C-3045	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-3DE	Power Panel	C-3047	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-3DF	Power Panel	C-3048	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-3DG	Power Panel	C-3049	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-3DH	Power Panel	C-3041	CAT. NO: QBL-436	SERIES: T2	TRUE
C-PP-3DJ	Power Panel	C-3046	CAT. NO: QBL-442	SERIES: T2	TRUE
C-PP-4CA	Power Panel	C-4059			TRUE
C-PP-4DA	Power Panel	C-4024	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-4DB	Power Panel	C-4023	CAT. NO: QBL-320	SERIES: T2	TRUE
C-PP-4DC	Power Panel	C-4022	CAT. NO: QBL-442	SERIES: T2	TRUE
C-PP-4DD	Power Panel	C-4028	CAT. NO: QBL-424	SERIES: T2	TRUE
C-PP-4DE	Power Panel	C-4030	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-4DF	Power Panel	C-4029	CAT. NO: QBL-424	SERIES: T2	TRUE
C-PP-4DG	Power Panel	C-4031	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-4DH	Power Panel Beside C-4031	C-4C03			TRUE
C-PP-5DA	Power Panel	C-5001	CAT. NO: QBL-442	SERIES: T2	TRUE
C-PP-5DB	Power Panel	C-5006	CAT. NO: QBL-436	SERIES: T2	TRUE
C-PP-5DC	Power Panel	C-5009	CAT. NO: QBL-442	SERIES: T2	TRUE
C-PP-5DD	Power Panel	C-5010	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-5DE	Power Panel	C-5016	CAT. NO: QBL-436	SERIES: T2	TRUE
C-PP-5DF	Power Panel	C-5007			TRUE
C-PP-5DG	Power Panel	C-5001	CAT. NO: QBL-442	SERIES: T2	TRUE
C-PP-5DH	Power Panel Beside C-5012	C-5C01			TRUE
C-PP-5DJ	Power Panel Across From C-5007	C-5C01			TRUE
C-PP-5DK	Power Panel	C-5016A	CAT. NO: 1684		TRUE
C-PP-5DT	Power Panel	C-6007	Job No: 24B896800		TRUE
C-PP-6DB	Power Panel	C-6007			TRUE
C-PP-6DC	Power Panel (not in use anymore)	C-6007			TRUE
C-PP-6DD	Power Panel (not used anymore - connected to trans-25)	C-6007			TRUE
C-PP-6DP	Power Panel	C-6007	CAT. NO: QBL-442	SERIES: T2	TRUE
C-PP-AA	Power Panel (LAA) Beside C-1007	C-1C02	CAT. NO: QBL 420	SERIES: T2	TRUE
C-PP-AB	Power Panel Beside C-3020	C-3C01	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-AB-1	Power Panel	C-2039			TRUE
C-PP-AC	Power Panel Beside C-4011 (original tag is C-PP-AC(4AC))	C-4C01	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-AD	Power Panel Across From C-4003	C-4C01	CAT. NO: QBL-420	SERIES: T2	TRUE
C-PP-BA	Power Panel Beside C-1064	C-1C07	CAT. NO: QBL 430	SERIES: T2	TRUE
C-PP-BB	Power Panel Beside C-2052	C-2C06	CAT. NO: QBL-436	SERIES: T2	TRUE
C-PP-BC	Power Panel Across From C-2060	C-2C01	CAT. NO: QBL-420	SERIES: T2	TRUE
C-PP-BD	Power Panel BY C-2058	C-2C01			TRUE
C-PP-BE	Power Panel	C-2052			TRUE
C-PP-CA	Power Panel Beside C-1049	C-1C06	CAT. NO: QBL 436	SERIES: T2	TRUE
C-PP-CB	Power Panel Beside C-2038	C-2C05	CAT. NO: QBL-424	SERIES: T2	TRUE
C-PP-CC	Power Panel Beside C-3061	C-3C05	CAT. NO: QBL-424	SERIES: T2	TRUE
C-PP-CD	Power Panel Beside C-4052	C-4C05	CAT. NO: QBL-436	SERIES: T2	TRUE
C-PP-CE	Power Panel	C-1051A	CAT. NO: QBL 436	SERIES: T2	TRUE
C-PP-DA	Power Panel Beside C-1015	C-1C03	CAT. NO: QBL 442	SERIES: T2	TRUE
C-PP-DB	Power Panel Across From C-2014	C-2C02	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-DC	Power Panel Across From C-3037	C-3C02	CAT. NO: QBL-420	SERIES: T2	TRUE
C-PP-DE	Power Panel Beside C-5001	C-5C01	CAT. NO: QBL-420	SERIES: T2	TRUE
C-PP-DF	Power Panel Beside C-6006	C-6000	CAT. NO: QBL-420	SERIES: T2	TRUE
C-PP-DG	Power Panel Beside C-1033	C-1C04	CAT. NO: QBL 430	SERIES: T2	TRUE
C-PP-DH	Power Panel By C-2027	C-2C03	CAT. NO: QBL-420	SERIES: T2	TRUE
C-PP-DJ	Power Panel Beside C-3046	C-3C03	CAT. NO: QBL-412	SERIES: T2	TRUE
C-PP-DK	Power Panel Across From C-4037	C-4C03	CAT. NO: QBL-430	SERIES: T2	TRUE
C-PP-DL	Power Panel Beside C-5016	C-5C01	CAT. NO: QBL-420	SERIES: T2	TRUE
C-PP-K	Power Panel (indicated as for CAFÉ)	C-2008			TRUE
C-PP-NK	Power Panel (indicated as for 2006)	C-2008			TRUE
C-RUSS-47	OVERHEAD DOOR	C-4027	Size 2' 6" x 3'		TRUE
CS-AC-01	Air Conditioner, 100% Fresh Air	CS-ROOF	TCD1808WAOQA	J401010470	TRUE
CS-AC-02	Air Conditioner, 100% Fresh Air	CS-ROOF			TRUE
C-SP-1	SUMP PUMP - IN COMMUNICATIONS EQUIP ROOM	C-1034B	AP12.40.04.1		TRUE
C-SP-2	SUMP PUMP	C-1032C	WB-4	19563	TRUE

C-STR-D076	EXHAUST FAN: F.H: C-4033 (Strobic)	C-6000	NYBCAN 12PLR		TRUE
C-STR-D077	SUPPLY AIR FOR WALK-IN COOLER: C-4033 (Strobic)	C-6007	NYBCAN 76e		TRUE
C-STR-D078	SUPPLY AIR FOR WALK-IN COOLER: C-2015 (Strobic)	C-6000	NYBCAN 76f		TRUE
C-STR-D079	GENERAL VENTILATION FOR C-5016A (Strobic)	C-6000	NYBCAN 76a		TRUE
C-STR-D080	GENERAL VENTILATION FOR C-1017 (Strobic)	C-6000	NYBCAN 76d		TRUE
C-STR-D084	GENERAL VENTILATION FOR C-1030 (Strobic)	C-6000	NYBCAN 12PLR		TRUE
C-STR-D085	GENERAL VENTILATION FOR C-4037 (Strobic)	C-6000	NYBCAN 12PLR		TRUE
C-STR-D088	GENERAL VENTILATION FOR C-6007 (Strobic)	C-6007	NYBCAN 30PLR		TRUE
C-STR-D089	GENERAL VENTILATION FOR C-6000, PENTHOUSE (Strobic)	C-ROOF	PENN LC-20		TRUE
C-STR-D090	GENERAL VENTILATION FOR C-6000 PENTHOUSE ROOF (Strobic)	C-ROOF	PENN LC-20		TRUE
C-STR-D091	GENERAL VENTILATION FOR C-4042A PENTHOUSE ROO (Strobic)	C-ROOF	PENN LC-20		TRUE
C-STR-D092	ELEVATOR ROOM EXHAUST; C-6003 PENTHOUSE ROOF (Strobic)	C-ROOF	PENN LC-14		TRUE
C-STR-D093	ELEVATOR ROOM EXHAUST; C-6008 PENTHOUSE ROOF (Strobic)	C-ROOF	PENN LC-14		TRUE
C-STR-D094	EXHAUST FAN: F.H: C-4028 (Strobic)	C-6000	RFE 315		TRUE
C-STR-D095	EXHAUST FAN: F.H: C-4030 (Strobic)	C-6000	RFE 315		TRUE
C-STR-D096	EXHAUST FAN: F.H: C-4030 (Strobic)	C-6000	RFE 315		TRUE
C-STR-D097	HOOD EXHAUST IN GLASS-BLOWING SHOP; C-1028 (Strobic)	C-1028			TRUE
C-STR-D098	GENERAL VENTILATION FOR GLASS BLOWING SHOP (Strobic)	C-1028			TRUE
C-STR-D099	EXHAUST FAN (BLOCK D) (Strobic)	C-ROOF	FUMEX 9AT		TRUE
C-STR-D100	EXHAUST FAN (BLOCK D) (Strobic)	C-ROOF	FUMEX 14B		TRUE
C-STR-D101	GENERAL VENTILATION FOR C-1016 (Strobic)	C-1016B			TRUE
C-STR-D102	EXHAUST FAN: F.H: C-3035 (Strobic)	C-6000	CMU 315		TRUE
C-STR-D103	Exhaust Fan (Fume Hood in C-4022) (Strobic)	C-6000	315/TC Aerofoil	W610128/1	TRUE
C-STR-D104	Exhaust Fan (Fume Hood in C-4024) (Strobic)	C-6000	315/TC Aerofoil	W610128/2	TRUE
C-STR-D105	EXHAUST FAN: F.H: C-5012 (Strobic)	C-6000	RFE 315		TRUE
C-STR-D106	EXHAUST FAN: F.H: C-5009 (Strobic)	C-6000	RFE 315		TRUE
C-STR-D107	EXHAUST FAN: F.H: C-5009 (Strobic)	C-6000	RFE 315		TRUE
C-STR-D108	EXHAUST FAN: F.H: C-5001 (Strobic)	C-6002	RFE 200		TRUE
C-STR-D109	EXHAUST FAN: F.H: C-5001 (Strobic)	C-6002	RFE 200		TRUE
C-STR-D110	EXHAUST FAN: F.H: C-5001 (Strobic)	C-6002	RFE 200		TRUE
C-STR-D111	EXHAUST FAN: F.H: C-5001 (Strobic)	C-6001	RFE 200		TRUE
C-STR-D112	EXHAUST FAN: F.H: C-5001 (Strobic)	C-6001	RFE 200		TRUE
C-STR-D113	EXHAUST FAN: F.H: C-5001 (Strobic)	C-6001	RFE 200		TRUE
C-STR-D114	EXHAUST FAN: F.H: C-5001 (Strobic)	C-6001	RFE 200		TRUE
C-STR-D115	EXHAUST FAN: F.H: C-5002 (Strobic)	C-6002	RFE 200		TRUE
C-STR-D116	EXHAUST FAN: F.H: C-5002 (Strobic)	C-6000	RFE 200		TRUE
C-STR-D117	EXHAUST FAN: F.H: C-5007 (Strobic)	C-6000	RFE 200		TRUE
C-STR-D118	EXHAUST FAN: F.H: C-5007 (Strobic)	C-6000	RFE 200		TRUE
C-STR-D119	EXHAUST FAN: F.H: C-5007 (Strobic)	C-6000	RFE 200		TRUE
C-STR-D120	EXHAUST FAN: F.H: C-5007 (Strobic)	C-6000	RFE 200		TRUE
C-STR-D121	EXHAUST FAN: F.H: C-5007 (Strobic)	C-6006	RFE 200		TRUE
C-STR-D122	EXHAUST FAN: F.H: C-5007 (Strobic)	C-6006	RFE 200		TRUE
C-STR-D123	EXHAUST FAN: F.H: C-5007 (Strobic)	C-6006	RFE 200		TRUE
C-STR-D124	Exhaust Fan (for Fume Hood in C-5013) (Strobic)	C-6000	ARR-9	961159-2	TRUE
C-STR-D125	Exhaust Fan (for Fume Hood in C-5011) (Strobic)	C-6000	ARR-9	961159-1	TRUE
C-TRAN-01	Transformer	C-1034A	E-CD3C0112VHA6XXBA-003	DZJ-1024-235689	TRUE
C-TRAN-03	Transformer	C-1034	Cat # FU71		TRUE
C-TRAN-04	Transformer	C-1034			TRUE
C-TRAN-06	Transformer	C-1015A	Esaver-80R-150-480-208	52524	TRUE
C-TRAN-07	Transformer	C-1015A	Esaver1PH-80R-25-480-240	52486	TRUE
C-TRAN-09	Transformer	C-1000	CD3C0075 S018288	D18C0257-245710	TRUE
C-TRAN-10	Transformer	C-1000	Cat # K307K		TRUE
C-TRAN-11	Transformer (Main Lobby Emerg Power)	C-1055A	Cat # 15M43		TRUE
C-TRAN-12	Transformer	C-1055A	E-CD3C0112VHA6XXBA-003	DZJ-1023-235689	TRUE
C-TRAN-13	Transformer	C-3028	Cat # 11M21		TRUE

Child Care Equipment Info

Tag # contains CH-

Tag #	Description	Location ID	Model #	Serial #	Active
CH-COMP-01	Air Compressor	CH-1004	FS-01??-02M	OC-6686	TRUE
CH-CON-01	Outdoor Split System Heat Pump	CH-EXT	YHE60B22S	W2M0419867	TRUE
CH-CONT-01	Exterior Lighting Contactor	CH-1003			TRUE
CH-DHWT-01	Domestic Hot Water Tank	CH-1004	152ETE-3S8M-E8	A 6814211	TRUE
CH-DHWT-02	Domestic Hot Water Tank	CH-1004	152ETE-3S8M-E8	A 6050567	TRUE
CH-DHWT-03	Domestic Hot Water Tank	CH-1004	RR415TM	CN 0412230545	TRUE
CH-DSW-01	Disconnect Switch serving CH-PP-05	CH-1003	SN1132		TRUE
CH-DSW-02	Disconnect Switch serving CH-PP-04	CH-1003			TRUE
CH-DSW-03	Disconnect Switch "Fire Alarm Switch"	CH-1003			TRUE
CH-DSW-04	Disconnect Switch, Serving CH-TRAN-01	CH-1003			TRUE
CH-DSW-05	Disconnect Switch, Serving CH-HRV-02	CH-2002			TRUE
CH-DSW-06	Disconnect Switch, Serving CH-HRV-01	CH-2002			TRUE
CH-DSW-07	Disconnect Switch, Serving CH-HP-01	CH-GR			TRUE
CH-DSW-08	Disconnect Switch, Elevator Car Lights	CH-1003A			TRUE
CH-DSW-09	Disconnect Switch, Serving CH-ELV-01	CH-1003A			TRUE
CH-DSW-10	Disconnect Switch, Serving CH-SP-01	CH-1003A	MS Starter		TRUE
CH-DSW-11	Disconnect Switch, Serving CH-CON-01	CH-EXT	U065P		TRUE
CH-DSW-12	Disconnect Switch, Serving CH-HRV-03	CH-ATTIC			TRUE
CH-DSW-13	Disconnect Switch, Serving CH-AHU-01	CH-ATTIC			TRUE
CH-DWC-01	Water Cooler (CH-1002)	CH-1002	LZS8WS_1F	150523923	TRUE
CH-EDO1205	Main Building Elevator	CH-1E01			TRUE
CH-EF-01	Exhaust Fan (Range Hood)	CH-1005	QT20000-c		TRUE
CH-EH-01	Electric Duct Heater	CH-2002	SC-PTDUX	33897-R	TRUE
CH-ELE-01	Childcare Building Electrical Meter	CH-1003	P7330A0B0B6E0A4A	PB-1604A063-12	TRUE
CH-ELV-1	ELEVATOR (CONTROLS)	CH-1003A	CONTRACT# 491057	H C6047	TRUE
CH-FAP-01	Fire Alarm Panel (Main Entrance)	CH-1V01	EST 6616		TRUE
CH-FFH-01	Forced Flow Heater (Main Entrance Lobby)	CH-1V01			TRUE
CH-FFH-02	Forced Flow Heater (South Entrance)	CH-1S03			TRUE
CH-FFH-03	Forced Flow Heater (Entrance Near Kitchen Area)	CH-1V02			TRUE
CH-FFH-04	Forced Flow Heater (Staircase Area Near Main Entrance)	CH-1S01			TRUE
CH-FFH-05	Forced Flow Heater (Entrance Near CH-1006)	CH-1S02			TRUE
CH-HP-01	Kitchen Mini Split (Inside/Outside units)	CH-1005	CS-E18RKUAW	3968007390	TRUE
CH-HRV-01	Heat Recovery Ventilator	CH-2002	1200FD	AAAAA900600104	TRUE
CH-HRV-02	Heat Recovery Ventilator	CH-1005	1200FD	AAAAA900600108	TRUE
CH-HRV-03	Heat Recovery Ventilator	CH-ATTIC	LCH-7H		TRUE
CH-HVTR-01	Transformer feeding daycare CH-LVSG-01	CH-GR		31093-001	TRUE
CH-LVSG-01	Low Voltage Switchgear feeding building	CH-1003	A-40560		TRUE
CH-PP-01	Electrical Panel	CH-1003			TRUE
CH-PP-02	Electrical Panel	CH-1003	PRL2a		TRUE
CH-PP-03	Electrical Panel	CH-1003			TRUE
CH-PP-04	Electrical Panel	CH-1C02			TRUE
CH-PP-05	Electrical Panel	CH-1C02			TRUE
CH-PP-06	Electrical Panel	CH-1003	EQ424BQ100		TRUE
CH-SP-01	SUMP PUMP	CH-1003A			TRUE
CH-SPKR-01	Building Sprinkler System	CH-1004			TRUE
CH-SPT-01	Splitter Trough	CH-1003	1100 T4403		TRUE
CH-SPT-02	Splitter Trough	CH-1003	1100 T4403		TRUE
CH-TRAN-01	Low Voltage Transformer	CH-1003	Esaver-80R-75-600-208	52883	TRUE

East Tower Equipment Info

Tag # contains EX-

Tag #	Description	Location ID	Model #	Serial #	Active
EX-AC-01	Air Conditioner (EX-1010)	EX-1010	DME027E-PH7	Y12D301870	TRUE
EX-AC-02	Air Conditioner (cond. and evap. in EX-1009))	EX-1009	C5G3ASHA	1211008	TRUE
EX-AC-03	Air Conditioner	EX-1008	MCD36ALPH7S8746	Y12DBI8060	TRUE
EX-AC-04	Air Conditioner	EX-7000	156024G1	112D0022	TRUE
EX-DHWH-01	Domestic Hot Water Heater ("Side Arm Heater")	EX-1008		267426-01	TRUE
EX-DHWH-02	Domestic Hot Water Heater ("Side Arm Heater")	EX-1008		W053269-01	TRUE
EX-DHWH-03	Domestic Hot Water Heater ("Side Arm Heater")	EX-1008		W053269-06	TRUE
EX-DHWP-01	Domestic Hot Water Pump (Serving "Side Arm Heaters")	EX-1008	96313021 P11145		TRUE
EX-DHWP-02	Domestic Hot Water Pump (Serving "Side Arm Heaters")	EX-1008	96313021 P11145		TRUE
EX-DHWP-03	Domestic Hot Water Pump (Serving "Side Arm Heaters")	EX-1008	96313021 P11145		TRUE
EX-DHWP-04	Domestic Hot Water Recirculation Pump	EX-1008	UPS-40-240 B		TRUE
EX-DHWP-05	Domestic Hot Water Recirculation Pump	EX-1008	UPS-40-240 B		TRUE
EX-DHWT-01	Domestic Hot Water Tank (1 of 2)	EX-1008		7839.4	TRUE
EX-DHWT-02	Domestic Hot Water Tank (2 of 2)	EX-1008		7839.2	TRUE
EX-DP-01	Distribution Panel (In Cubicle)	EX-1007			TRUE
EX-DP-03	Distribution Panel	EX-1008	PRL 4		TRUE
EX-DP-04	Distribution Panel	EX-2015A	PRL 4		TRUE
EX-DP-05	Distribution Panel	EX-5015A	PRL 4		TRUE
EX-DP-06	Distribution Panel	EX-7000	PRL 4		TRUE
EX-DPE-01	Distribution Panel (Emergency Power)	EX-1007	PRL3A		TRUE
EX-DPE-02	Distribution Panel (Emergency Power)	EX-2015A	PRL1A		TRUE
EX-DSW-01	Disconnect Switch (For Automatic Transfer Switch)	EX-1008			TRUE
EX-DSW-02	Disconnect Switch (Sump Pumps)	EX-1008			TRUE
EX-DSW-03	Disconnect Switch (Recirculating Pump EX-DHWP-01)	EX-1008			TRUE
EX-DSW-04	Disconnect Switch (Recirculating Pump EX-DHWP-02)	EX-1008			TRUE
EX-DSW-05	Disconnect Switch (Recirculating Pump EX-DHWP-03)	EX-1008			TRUE
EX-DSW-06	Disconnect Switch (Recirculating Pump EX-DHWP-04)	EX-1008			TRUE
EX-DSW-07	Disconnect Switch (Recirculating Pump EX-DHWP-05)	EX-1008			TRUE
EX-DSW-08	Disconnect Switch (Domestic Hot Water Heater EX-DHWH-01)	EX-1008			TRUE
EX-DSW-09	Disconnect Switch (Domestic Hot Water Heater EX-DHWH-02)	EX-1008			TRUE
EX-DSW-10	Disconnect Switch (Domestic Hot Water Heater EX-DHWH-03)	EX-1008			TRUE
EX-DSW-11	Disconnect Switch (Air Conditioner (EX-AC-01)	EX-1008			TRUE
EX-DSW-12	Disconnect Switch (Air Conditioner (EX-AC-02)	EX-1008			TRUE
EX-DSW-13	Disconnect Switch (Emg Panel)	EX-1005			TRUE
EX-DSW-14	Disconnect Switch (AC)	EX-1005			TRUE
EX-DSW-15	Disconnect Switch (EX-HVAC-01)	EX-7000			TRUE
EX-DSW-16	Disconnect Switch (EX-HVAC-02)	EX-7000			TRUE
EX-DSW-17	Disconnect Switch (EX-HVAC-03)	EX-7000			TRUE
EX-DSW-18	Disconnect Switch (EX-HU-01)	EX-7000			TRUE
EX-DSW-19	Disconnect Switch (EX-HU-02)	EX-7000			TRUE
EX-DSW-20	Disconnect Switch (EX-HU-03)	EX-7000			TRUE
EX-DSW-21	Disconnect Switch (Exhaust Fan 1)	EX-7000			TRUE
EX-DSW-22	Disconnect Switch (Exhaust Fan)	EX-7000			TRUE
EX-DSW-23	Disconnect Switch (Exhaust Fan-4)	EX-7000			TRUE
EX-DSW-24	Disconnect Switch - East Elevator	EX-7000A			TRUE
EX-DSW-25	Disconnect Switch - Elevator Lights	EX-7000A			TRUE
EX-EDO2126	Main Building Elevator	EX-1E01			TRUE
EX-EF-01	Exhaust Fan (Ceiling)	EX-7000			TRUE
EX-EF-02	Exhaust Fan	EX-1008	100 6DB 100 SDB	132SD86002-00/0000701	TRUE
EX-EH-01	Electric Duct Heater (Inside EX-HVAC-01)	EX-7000	SC-CTPBUX	267191-001	TRUE
EX-EH-02	Electric Duct Heater (Inside EX-HVAC-02)	EX-7000	SC-CTPBUX	267191-003	TRUE
EX-EH-03	Electric Duct Heater (Inside EX-HVAC-03.)	EX-7000	SC-CTPBUX	267191-002	TRUE
EX-EL-01	Emergency Light Pack	EX-1007			TRUE
EX-ELE-01	Cluett Hall Electrical Meter	EX-1007	P7330A0B0B6E0A4A		TRUE
EX-EMG-01	Electrical Panel (Emergency Power)	EX-5015A	PRL1 A		TRUE
EX-EMG-02	Lighting Panel (Emergency Power)	EX-1007	PRL3A		TRUE
EX-EMG-03	Lighting Panel (Emergency Power)	EX-1008	PRL1 A		TRUE

EX-EXP-01	Domestic Hot Water Expansion Tank	EX-1008			TRUE
EX-EXP-02	Domestic Hot Water Expansion Tank	EX-1008			TRUE
EX-EXP-03	Domestic Cold Water Expansion Tank (Water Main)	EX-1008			TRUE
EX-HTP-01	Electrical Panel (Heating)	EX-2015A	PRL3A		TRUE
EX-HTP-02	Electrical Panel (Heating)	EX-5015A	PRL3A		TRUE
EX-HU-01	Humidifier (Inside EX-HVAC-01)	EX-7000	NHRS-180	2121411	TRUE
EX-HU-02	Humidifier (Inside EX-HVAC-02)	EX-7000	NHRS-180	21121410	TRUE
EX-HU-03	Humidifier (Inside EX-HVAC-03)	EX-7000	NHRS-180	2121406	TRUE
EX-HVAC-01	Main Air Handler (1 of 3)	EX-7000			TRUE
EX-HVAC-02	Main Air Handler (2 of 3)	EX-7000			TRUE
EX-HVAC-03	Main Air Handler (3 of 3)	EX-7000			TRUE
EX-HVTR-01	High Voltage Pad Mount Trans	EX-GEN			TRUE
EX-LRP-01	Lighting Relay Panel	EX-1008			TRUE
EX-LRP-02	Lighting Relay Panel	EX-1008			TRUE
EX-LVSG-01	Main Low Voltage Switch Gear feeding EX-DP-01	EX-1007	CRD320T36W	3A83946G67	TRUE
EX-PP-01	Electrical Panel	EX-1008	PRL1 A		TRUE
EX-PP-02	Electrical Panel (Hallway next to EX-1013)	EX-1C03	PRL1 A		TRUE
EX-PP-03	Electrical Panel (Next to Elevator)	EX-1009	PRL1 A		TRUE
EX-PP-04	Electrical Panel	EX-1007	PRL1 A		TRUE
EX-PP-05	Electrical Panel (Hallway Outside EX-2003)	EX-2C01	PRL1 A		TRUE
EX-PP-06	Electrical Panel (Hallway Outside EX-2007)	EX-2C01	PRL1 A		TRUE
EX-PP-07	Electrical Panel (Hallway Outside EX-2021)	EX-2C01	PRL1 A		TRUE
EX-PP-08	Electrical Panel (Hallway Outside EX-2027)	EX-2C01	PRL1 A		TRUE
EX-PP-09	Electrical Panel	EX-2015A	PRL1 A		TRUE
EX-PP-10	Electrical Panel (Hallway Outside EX-3003)	EX-3C01	PRL1 A		TRUE
EX-PP-11	Electrical Panel (Hallway Outside EX-3009)	EX-3C01	PRL1 A		TRUE
EX-PP-12	Electrical Panel (Hallway Outside EX-3021)	EX-3C01	PRL1 A		TRUE
EX-PP-13	Electrical Panel (Hallway Outside EX-3027)	EX-3C01	PRL1 A		TRUE
EX-PP-14	Electrical Panel (Hallway Outside EX-4027)	EX-4C01	PRL1 A		TRUE
EX-PP-15	Electrical Panel (Hallway Outside EX-4021)	EX-4C01	PRL1 A		TRUE
EX-PP-16	Electrical Panel (Hallway Outside EX-4009)	EX-4C01	PRL1 A		TRUE
EX-PP-17	Electrical Panel (Hallway Outside EX-4003)	EX-4C01	PRL1 A		TRUE
EX-PP-18	Electrical Panel (Hallway Outside EX-5003)	EX-5C01	PRL1 A		TRUE
EX-PP-19	Electrical Panel (Hallway Outside EX-5009)	EX-5C01	PRL1 A		TRUE
EX-PP-20	Electrical Panel (Hallway Outside EX-5021)	EX-5C01	PRL1 A		TRUE
EX-PP-21	Electrical Panel (Hallway Outside EX-5027)	EX-5C01	PRL1 A		TRUE
EX-PP-22	Electrical Panel (Hallway Outside EX-5027)	EX-5015A	PRL1 A		TRUE
EX-PP-23	Electrical Panel (Hallway Outside EX-6027)	EX-6C01	PRL1 A		TRUE
EX-PP-24	Electrical Panel (Hallway Outside EX-6021)	EX-6C01	PRL1 A		TRUE
EX-PP-25	Electrical Panel (Hallway Outside EX-6009)	EX-6C01	PRL1 A		TRUE
EX-PP-26	Electrical Panel (Hallway Outside EX-6003)	EX-6C01	PRL1 A		TRUE
EX-PP-27	Electrical Panel	EX-7000	PRL1 A		TRUE
EX-PP-28	Electrical Panel (UPS Bypass Panel)	EX-1008	PRL3A		TRUE
EX-SP-01	Sump Pump	EX-1008	P5200-02	728568	TRUE
EX-SP-02	Sump Pump	EX-1008	P5200-01		TRUE
EX-SPKR-01	Building Sprinkler System	EX-1008			TRUE
EX-TRAN-01	Low Voltage Transformer, 75KVA	EX-1007		C 97118-1	TRUE
EX-TRAN-02	Low Voltage Transformer, 225KVA	EX-2015A		D 05831	TRUE
EX-TRAN-03	Low Voltage Transformer, 225KVA	EX-5015A		D 06051	TRUE
EX-TRAN-04	Low Voltage Transformer, 30KVA	EX-7000		C 97117-2	TRUE
EX-TRAN-05	Low Voltage Transformer, 30KVA, Emergency Power	EX-1008		C 97117-1	TRUE
EX-UPS-01	Uninterruptible Power Supply	EX-1008	15	BG122JBA07	TRUE

Global Learning Centre Equipment Info

Tag # contains CA

Tag #	Description	Location ID	Model #	Serial #	Active
CA-AHU-01	HEATING & VENTILATION UNIT, PENTHOUSE	CA-3000			TRUE
CA-AHU-02	HEATING & VENTILATION UNIT, PENTHOUSE	CA-3000			TRUE
CA-CON-01	Condensing unit for CA-AHU-01	CA-EXT	TTA09043AAA00AE000	18261606YA	TRUE
CA-CONT-01	OUTSIDE LIGHTING CONTACTOR	CA-1001			TRUE
CA-CONT-02	BACKUP CONTACTOR, PENTHOUSE	CA-3000	A10JNDOD SERIES A1		TRUE
CA-DHWP-01	Domestic hot water recirculator pump	CA-1001	817025-001		TRUE
CA-DHWT-01	Domestic Hot Water Tank (Electric)	CA-1001	DRE-120 100	1840F800043	TRUE
CA-DHWT-02	Domestic Hot Water Tank (Electric)	CA-1001	DRE-120 100	1821F800037	TRUE
CA-DHWT-03	Domestic Hot Water Storage Tank (Electric)	CA-1001	TJV-120M 000	1821110500966	TRUE
CA-DP-01	Normal Power Distribution Panel	CA-1001			TRUE
CA-DSW-01	Disconnect Switch - CA-AHU-01 Main Feed	CA-3000			TRUE
CA-DSW-02	Disconnect Switch - CA-AHU-02 Main Feed	CA-3000			TRUE
CA-DSW-03	Disconnect Switch - Heat Coil CA-AHU-01	CA-3000			TRUE
CA-DSW-04	Disconnect Switch - Supply Fan CA-AHU-01	CA-3000			TRUE
CA-DSW-05	Disconnect Switch - Return Fan CA-AHU-01	CA-3000			TRUE
CA-DSW-06	Disconnect Switch - Heat Coil CA-AHU-02	CA-3000			TRUE
CA-DSW-07	Disconnect Switch - SCR CA-AHU-02	CA-3000			TRUE
CA-DSW-08	Disconnect Switch - Supply Fan CA-AHU-02	CA-3000			TRUE
CA-DSW-09	Disconnect Switch - Return Fan CA-AHU-02	CA-3000			TRUE
CA-EDO2621	Passenger Elevator	CA-1C01			TRUE
CA-EF-01	Exhaust Fan	CA-3000	D10	K18A149879	TRUE
CA-EF-03	Exhaust Fan (Washrms 1008, 1009, 2005, 2006, 2010, 2011)	CA-3000	D12	K19A149880	TRUE
CA-EF-06	Exhaust Fan (Dryer Exhaust CA-1002)	CA-1002	A4C17DH4A CAT.#:1000		TRUE
CA-EF-07	Exhaust Fan (Dryer Exhaust CA-1006)	CA-1006			TRUE
CA-EL-01	Emergency Light Pack	CA-1008			TRUE
CA-EL-02	Emergency Light Pack	CA-2C01			TRUE
CA-EL-03	Emergency Light Pack	CA-2C02			TRUE
CA-EL-04	Emergency Light Pack	CA-2002			TRUE
CA-EL-05	Emergency Light Pack (Elevator Control Room	CA-1013A			TRUE
CA-ELE-01	Corte Real Electrical Meter	CA-1001	P7330A0B0B6E0A4A	PB-1312A426-12	TRUE
CA-FAP-01	Fire Alarm Panel (Main Entrance)	CA-2V01	EST Quick Start		TRUE
CA-FFH-01	FORCE FLOW HEATER, PENTHOUSE	CA-3000	UH27-K281		TRUE
CA-FFH-02	FORCE FLOW HEATER, BACK HALL, 2ND FLOOR	CA-2C02			TRUE
CA-HVTR-01	High Voltage Pad Mount Trans	CA-GR		09J267082	TRUE
CA-LVSG-01	MAIN SWITCH GEAR	CA-1001	CAT # VL 369	5273	TRUE
CA-MTR-01	Motor (Exhaust Fan)	CA-3000	A4K17DB4 CAT# M090405		TRUE
CA-MTR-03	Motor (Exhaust Fan)	CA-3000	L676349	752453002	TRUE
CA-MTR-05	Motor (Exhaust Fan)	CA-3000	A6XE4Z		TRUE
CA-MTR-06	Motor exhaust fan.	CA-1002	CAT. NO. M009087		TRUE
CA-MTR-07	Motor (Exhaust Fan)	CA-1001			TRUE
CA-PP-01	POWER PANEL	CA-1001	SYSTEM 4W-SN		TRUE
CA-PP-02	POWER PANEL	CA-1001			TRUE
CA-PP-03	POWER PANEL, LAUNDRYMAT	CA-1002	190143		TRUE
CA-PP-04	Lighting/Power Panel	CA-1001			TRUE
CA-PP-05	POWER PANEL, PENTHOUSE	CA-3000			TRUE
CA-PP-06	HEATING/POWER PANEL	CA-1001	SYSTEM 4W-SN		TRUE
CA-PP-07	Heating/ Power Panel(Back Hall Way)	CA-2C02			TRUE
CA-PP-08	Lighting/Power Panel	CA-1001	SYSTEM 4W-SN		TRUE
CA-RF-01	Return Fan (AHU-01 Exhaust)	CA-3000			TRUE
CA-RF-02	Return Fan - AHU-02 (1000C, 2007, 2009, 2012)	CA-3000			TRUE
CA-SF-01	Supply Fan - CA-AHU-01	CA-3000			TRUE
CA-SF-02	Supply Fan - CA-AHU-02	CA-3000			TRUE
CA-SP-01	SUMP PUMP	CA-1013A			TRUE
C-LP-LCA	Lighting Panel Beside C-1049	C-1C06		452123-F	TRUE
C-PP-1CA	Power Panel	C-1045	CAT. NO: QBL 442	SERIES: T2	TRUE
C-PP-1CAB	Power Panel	C-1045			TRUE
C-PP-3CA	Power Panel	C-3067			TRUE
C-PP-4CA	Power Panel	C-4059			TRUE
C-PP-CA	Power Panel Beside C-1049	C-1C06	CAT. NO: QBL 436	SERIES: T2	TRUE

Faculty of Medicine Equipment Info

Tag # contains m-

Tag #	Description	Location ID	Model #	Serial #	Active
M-AC-01	Air Conditioner (Above Ceiling, 1 of 2 in room)	M-1M206	MMD60E7BHEHA	Y12DB18595	TRUE
M-AC-02	Air Conditioner (Above Ceiling, 2 of 2 in room)	M-1M206	MMD60E7BHOHAS15	Y12DB18594	TRUE
M-AC-03	Air Conditioner	M-2M005	MMD24E7P00DA	Y12DB18584	TRUE
M-AC-04	Air Conditioner	M-3M003	MMD24E7P00D0	Y12DB18582	TRUE
M-AC-05	Air Conditioner	M-4M007	MMD24E7P00DA	Y12DB18569	TRUE
M-AC-06	Air Conditioner (for server room, 1 of 2)	M-4M407	FC0723324XDCS66	MPS29296101	TRUE
M-AC-07	Air Conditioner (for server room, 2 of 2)	M-4M407	FC0723324XDCS66	MPS29296201	TRUE
M-AC-08	Air Conditioner	M-5M005	MMD24E7P00DA	Y12DB18567	TRUE
M-AC-09	Air Conditioner	M-1M110	MMD36E7Y00DA	Y12EB18614	TRUE
M-AC-10	Air Conditioner	M-1M104	MMD36E7Y00DA	Y12EB18616	TRUE
M-AC-11	Air Conditioner	M-1M004	MMD24E7POODA	Y12DB18585	TRUE
M-AC-12	Air Conditioner Split System	M-4M407	MMD36E7YH0DA	Y12HB11170	TRUE
M-AC-13	Air Conditioner	M-6M004	MMD24E7POODA	Y12DB18583	TRUE
M-AC-14	Air Conditioner - Interior Cassette	M-4M303	FCQ36TAVJU	C000332	TRUE
M-AC-15	Air Conditioner - Interior Cassette	M-4M303	FCQ36TAVJU	C000331	TRUE
M-AHU-01	Air Handling Unit	M-6M300			TRUE
M-AP-01	Anchor Point	M-ROOF			TRUE
M-AR-01	Air Receiver				TRUE
M-ATS-01	Automatic Transfer Switch (Non Life Safety 1200A)	M-6M301	7000	670215	TRUE
M-ATS-02	Automatic Transfer Switch (Life Safety 100A)	M-6M301	CAT J07ATBC30200R5XC	670213	TRUE
M-CIRP-01	Pump - Heat Rejection Loop 23P009	M-6M302A	KS4007-6.1-V2D		TRUE
M-CIRP-02	Pump - Heat Rejection Loop 23P010	M-6M302A	KS4007-611-V2D		TRUE
M-CIRP-03	Pump - Chill Beam Loop 23P005	M-6M302A	KS2006A-5 50V2B		TRUE
M-CIRP-04	Pump - Chill Beam Loop 23P006	M-6M302A	KS2006A-5 50V2B		TRUE
M-CIRP-05	In-Line Recirculation Pump 23P003	M-6M300	KS3006		TRUE
M-CIRP-06	LTHW Pump 23P002	M-0M002	FI2511-6 20E3F		TRUE
M-CIRP-07	LTHW Pump 23P001	M-0M002	FI2511-9 20F3F		TRUE
M-CIRP-08	In Line Circulator Pump Domestic Hot Water	M-0M002			TRUE
M-CIRP-09	Circulator pump for Water Purification System skid	M-0M002	A-97568313-p3-1224		TRUE
M-CIRP-10	Circulator pump for rain water treatment skid	M-0M002	A-97568313-p3-1224		TRUE
M-COMP-01	Air Compressor	M-6M300	223	4462	TRUE
M-COMP-02	Air Compressor	M-6M300	223	4463	TRUE
M-CON-01	Condensing Unit (10 Fan Drycooler - east 23R001)	M-ROOF	DGHX120BG272A0S		TRUE
M-CON-02	Condensing Unit (10 Fan Drycooler - west 23R002)	M-ROOF	DGHX120BG272A0S		TRUE
M-CON-03	Condensing Unit (4 Fan Drycooler - west 23R003)	M-ROOF			TRUE
M-CON-04	Condensing Unit (4 Fan Drycooler - east 23R004)	M-ROOF			TRUE
M-DHWT-01	Domestic Hot Water Tank	M-0M002		8357.1	TRUE
M-DHWT-02	Domestic Hot Water Tank	M-0M002		8357.2	TRUE
M-DP-01	Normal Power Distribution Panel.	M-6M301			TRUE
M-DP-02	Normal Power distribution panel.	M-6M301	24B919400		TRUE
M-DP-03	Normal Power distribution panel.	M-6M301	24B919400		TRUE
M-DP-04	Normal Power Distribution Panel	M-4M008	24B919300	98515-1	TRUE
M-DP-05	Normal Power Distribution Panel	M-4M008	24B919300		TRUE
M-DP-06	Normal Power Distribution Panel	M-3M008	24B919400		TRUE
M-DP-07	Normal Power Distribution Panel	M-2M008	24B919400		TRUE
M-DP-08	Normal Power Distribution Panel	M-2M008	24B919400		TRUE
M-DP-09	Normal Power Distribution Panel	M-1M007	24B919400		TRUE
M-DPE-01	Distribution Panel (Emergency Power)	M-6M301			TRUE
M-DPE-02	Distribution Panel (Emergency Power Non Life Safety) Wall side	M-6M301			TRUE
M-DPE-03	Distribution Panel (Emergency Power - Life Safety)	M-6M301			TRUE
M-DPE-04	Distribution Panel (Emergency Power - Non Life Safety)	M-6M301			TRUE
M-DPE-05	Distribution Panel (Emergency Power - Non Life Safety - UPS)	M-5M007			TRUE
M-DPE-06	Distribution Panel (Emergency Power - Non Life Safety)	M-6M301			TRUE
M-DPE-07	Distribution Panel (Emergency Power - Fed from UPS)	M-4M406			TRUE
M-DSW-01	Surge Protection Device on M-MCC-01	M-6M300			TRUE
M-DSW-02	In-Line Circulator Mech Room 6M300	M-6M300			TRUE
M-DSW-03	Exhaust Main Electrical Room (Mech Room M-6M300)	M-6M300			TRUE
M-DSW-04	Fans Mech Room M-6M302 (Return Fan Wall)	M-6M300			TRUE

M-DSW-05	Fans Mech Room M-6M302 (Return Fan Wall)	M-6M300			TRUE
M-DSW-06	Fans Mech Room M-6M302 (Supply Fan Wall)	M-6M300			TRUE
M-DSW-07	Fans Mech Room M-6M302 (Supply Fan Wall)	M-6M300			TRUE
M-DSW-08	Fans Mech Room M-6M302 (Supply Fan Wall)	M-6M300			TRUE
M-DSW-09	Fans Mech Room M-6M302 (Supply Fan Wall)	M-6M300			TRUE
M-DSW-10	Spare	M-6M300			TRUE
M-DSW-11	Washroom Exhaust Mech. Room 6M300	M-6M300			TRUE
M-DSW-12	Reverse Osmosis Mech. Room 6M300	M-6M300			TRUE
M-DSW-13	Dry Cooler Penthouse Roof	M-6M300			TRUE
M-DSW-14	Dry Cooler Penthouse Roof	M-6M300			TRUE
M-DSW-15	Control Panel Vacuum P. Skid	M-6M300			TRUE
M-DSW-16	Spare	M-6M300			TRUE
M-DSW-17	Reverse Osmosis Mech Room 6M300	M-6M300			TRUE
M-DSW-18	Penthouse Exhaust Mech. room 6M300	M-6M300			TRUE
M-DSW-19	Disconnect Switch (Refrigerant Emerg. Exhaust)	M-4M407			TRUE
M-DSW-20	Disconnect for Chill Beam Loop 23P-006	M-6M302A			TRUE
M-DSW-21	Disconnect for Chill Beam Loop 23P-005	M-6M302A			TRUE
M-DSW-22	Heat Rejection Loop 23P-010	M-6M302A			TRUE
M-DSW-23	Heat Rejection Loop 23P-009	M-6M302A			TRUE
M-DSW-24	Disconnect for LTHW M-CIRP-06	M-0M002			TRUE
M-DSW-25	Disconnect for LTHW M-CIRP-07	M-0M002			TRUE
M-DSW-26	Disconnect for Recirculator Pump	M-0M002			TRUE
M-DSW-27	Disconnect for rainwater treatment pumps	M-0M002	SIEWAT-A11032		TRUE
M-DSW-28	Rainwater Harvest Pumps diconnect	M-0M002			TRUE
M-DSW-29	Disconnect Switch EV-Chargers	M-1M102			TRUE
M-DSW-30	Disconnect Switch EV-Chargers	M-1M102			TRUE
M-DWC-01	Water Cooler (Next to M-1M003)	M-1M100D	ADA8AC-H300	1108001594	TRUE
M-DWC-02	Water Cooler (Across from M-2M004)	M-2M100C	ADA8AC-H300	1108001593	TRUE
M-DWC-03	Water Cooler (Near M-3M008)	M-3M100C	ADA8AC-H300	1108001590	TRUE
M-DWC-04	Water Cooler (Near M-4M200)	M-4M100B	ADA8AC-H300	1108001592	TRUE
M-DWC-05	Water Cooler (Near M-5M205)	M-5M100B	ADA8AC-H300	1108001589	TRUE
M-DWC-06	Water Cooler (Near M-6M004)	M-6M100B	HWUACP8SS-H300	0913001118	TRUE
M-EDO2262	Passenger Elevator #1, Left	M-1ME01			TRUE
M-EDO2263	Passenger Elevator #2, Right	M-1ME02			TRUE
M-EDO2264	Service Elevator adjacent M-1M208	M-1ME03			TRUE
M-EF-04	Washroom Exhaust Fan	M-6M300	49-AFSW-21-X-91-I	12099112 1205	TRUE
M-EF-05	Lab Exhaust Fan	M-6M300	49-AFSW-21-X-91-I	12799113	TRUE
M-EF-08	Exhaust Fan	M-4ROOF	TAUB-54H-50-XH	12800801 1205	TRUE
M-EF-09	Exhaust Fan - Serves Radioisotope Fumehood in M-5M220 (west roof 23F009A)	M-ROOF	KVC 1225		TRUE
M-EF-10	Exhaust Fan - Serves Radioisotope Fumehood in M-5M220 (east roof 23F009B)	M-ROOF	KVC 1225		TRUE
M-EF-11	Exhaust Fan (Wall Mounted)	M-4M407	SEI-20-420-A7		TRUE
M-EF-14	Exhaust Fan (Ceiling)	M-4M008	SP-A1550		TRUE
M-EF-15	Exhaust Fan (Ceiling)	M-5M007	SP-A1550		TRUE
M-EF-16	Exhaust Fan (Wall Mounted)	M-6M300	SBE-1L20-7	122934444 9284	TRUE
M-EF-17	Exhaust Fan for M-6M301 exhaust	M-6M300	VAB-36F14-1-3		TRUE
M-EF-20	Exhaust Fan (Ceiling)	M-6M002	SP-A410		TRUE
M-EF-21	Inline Exhaust Fan - West Elevator Machine room - HSC side	M-GEN	SP-A1550		TRUE
M-EL-01	Emergency Light Pack (M6M301)	M-6M301	EBST12072		TRUE
M-EMG-01	Emergency Panel	M-6M001			TRUE
M-EMG-02	Emergency Panel (Non Life Safety)	M-5M007			TRUE
M-EMG-03	Emergency Panel (Non Life Safety) near M-5M221	M-5M205			TRUE
M-EMG-04	Emergency Panel (Non Life Safety) near M-5M212	M-5M205			TRUE
M-EMG-05	Emergency Panel (Non Life Safety)	M-4M407			TRUE
M-EMG-06	Emergency Panel (Non Life Safety)	M-2M008			TRUE
M-EMG-07	Emergency Panel (Non Life Safety)	M-1M008			TRUE
M-EMG-08	Emergency Panel (Non Life Safety)	M-1M007			TRUE
M-EMG-09	Emergency Panel (Non Life Safety)	M-1M008			TRUE
M-EMG-10	Emergency Panel (Non Life Safety)	M-1M007			TRUE
M-EMG-11	Emergency Panel (Non Life Safety)	M-1M001			TRUE
M-EMG-12	Emergency Panel (Non Life Safety)	M-1M001			TRUE
M-EMG-13	Emergency Panel (Non Life Safety)	M-1M007			TRUE
M-EMG-14	Emergency Panel (Non Life Safety) UPS fed	M-6M004			TRUE
M-EMG-15	Emergency Panel (Non Life Safety) UPS fed	M-5M005			TRUE
M-EMG-16	Emergency Panel (Non Life Safety) UPS fed	M-4M007			TRUE
M-EMG-17	Emergency Panel (Non Life Safety) UPS fed	M-3M003			TRUE
M-EMG-18	Emergency Panel (Non Life Safety) UPS fed	M-2M005			TRUE
M-EMG-19	Emergency Panel (Non Life Safety) UPS fed	M-1M004			TRUE
M-EMG-20	Emergency Panel (Life Safety)	M-5M007			TRUE
M-EMG-21	Emergency Panel (Life Safety)	M-3M008			TRUE
M-EMG-22	Emergency Panel (Life Safety)	M-1M007			TRUE
M-EMG-23	Emergency Panel (Life Safety)	M-3M515			TRUE
M-EMG-24	Emergency Panel (Life Safety)	M-4M303			TRUE

M-EMG-25	Emergency Panel (Power Meter)	M-6M301			TRUE
M-EMG-26	Emergency Panel	M-0M002			TRUE
M-EMG-27	Emergency Panel	M-0M002			TRUE
M-EWS-04	Eye Wash Station	M-6M300			TRUE
M-EWS-05	Eye Wash Station	M-6M302			TRUE
M-FAP-01	Fire Alarm Panel	M-6M004	S3000		TRUE
M-HEX-01	Plate Heat Exchanger	M-6M302A	SX13-500-35	689920	TRUE
M-HEX-02	Heat Exchanger	M-0M002	W4T-147-412-4	689979	TRUE
M-HEX-03	Heat Exchanger	M-0M002	W4T-147-412-4	689980	TRUE
M-HP-01	Air Conditioner - Exterior Condenser	M-ROOF	RZR36TAVJUA	E000141	TRUE
M-HP-02	Air Conditioner - Exterior Condenser	M-ROOF	RZR36TAVJUA	E000163	TRUE
M-HU-01	Steam Humidifier for AHU (M-6M302G)	M-6M302			TRUE
M-HVSG-01	High Voltage switch gear Cubicle 1 (FOM normal power)	M-6M301	CMSP000637	1626	TRUE
M-HVSG-02	High Voltage switch gear Cubicle 2 (FOM normal power)	M-6M301	CMSP000637	1627	TRUE
M-HVSG-03	High Voltage switch gear Cubicle 3 (FOM normal power)	M-6M301	CMSP000637	1629	TRUE
M-HVSG-04	High Voltage Switchgear (Emergency Power)	M-6M301		EDA771766T01	TRUE
M-MCC-01	Motor Control Centre.	M-6M300	5713A99H01	37BW03502	TRUE
M-MCC-02	Motor Control Centre (Emergency Power)	M-6M300			TRUE
M-MTR-01	Motor (Return Fan Wall) M-6M300	M-6M300	07K591X493G1	F1110176735	TRUE
M-MTR-02	Motor (Return Fan Wall) M-6M300	M-6M300	07K591X493G1	F1110176753	TRUE
M-MTR-03	Motor (Return Fan Wall) M-6M300	M-6M300	07K591X493G1	F1110176726	TRUE
M-MTR-04	Motor (Washroom exhaust) M-6M300	M-6M300	07K591X493G1	F1110176728	TRUE
M-MTR-05	Motor (Lab Exhaust)	M-6M300	07K591X493G1	F1110176727	TRUE
M-MTR-06	Motor (Return Fan Wall) M-6M300	M-6M300	07K591X493G1	F1110176737	TRUE
M-MTR-07	Motor (Return Fan Wall) M-6M300	M-6M300	07K591X493G1	F1110176754	TRUE
M-MTR-08	Motor (Return Fan Wall) M-6M300	M-6M300	07K591X493G1	F1110176755	TRUE
M-MTR-09	Motor (Return Fan Wall) M-6M300	M-6M300	07K591X493G1	F1110176736	TRUE
M-MTR-16	Main electrical room exhaust motor	M-6M300	EM3211T-5	F1201173939	TRUE
M-MTR-18	Fan Motor for Pressurization Fan	M-6M300	EM3311T-5	F1202203805	TRUE
M-PFS-18	Pressurization Fan (Ceiling Mounted)	M-6M300	VAB-24F4-1-A7.5-X	12799437 1205	TRUE
M-PP-01	Normal Power Panel (M-6M003)	M-6M003	24B919100		TRUE
M-PP-02	Normal Power Panel. (Lighting and meter panels M-6M003)	M-6M003	24B919200		TRUE
M-PP-03	Normal Power Panel. (M-6M004)	M-6M004	24B919200		TRUE
M-PP-04	Normal Power Panel. (M-5M008)	M-5M008	24B919100		TRUE
M-PP-05	Normal Power Panel. (Lighting Panel, M-5M005)	M-5M005	24B919100		TRUE
M-PP-06	Normal Power Panel. (M-5M006)	M-5M006	24B919100		TRUE
M-PP-07	Normal Power Panel. (VAV boxes ,M-5M006)	M-5M006	24B919300		TRUE
M-PP-08	Normal Power Panel. (Lighting ,M-5M006)	M-5M006	24B919200		TRUE
M-PP-09	Normal Power Panel. (M-5M005)	M-5M005	24B919200		TRUE
M-PP-10	Normal Power Panel. (Outside M-5M209)	M-5M205	24B919100		TRUE
M-PP-11	Normal Power Panel. (Outside M-5M210)	M-5M205	24B919100		TRUE
M-PP-12	Normal Power Panel. (Outside M-5M213)	M-5M205	24B919100		TRUE
M-PP-13	Normal Power Panel. (Outside M-5M213)	M-5M205	24B919100		TRUE
M-PP-14	Normal Power Panel. (Outside M-5M214)	M-5M205	24B919100		TRUE
M-PP-15	Normal Power Panel. (Outside M-5M218)	M-5M205	24B919100		TRUE
M-PP-16	Normal Power Panel. (Outside M-5M220)	M-5M205	24B919100		TRUE
M-PP-17	Normal Power Panel. (Outside M-5M221)	M-5M205	24B919100		TRUE
M-PP-18	Normal Power Panel. (Outside M-5M222)	M-5M205	24B919100		TRUE
M-PP-19	Normal Power Panel.	M-4M006	24B919100		TRUE
M-PP-20	Normal Power Panel.	M-4M006	24B919100		TRUE
M-PP-21	Normal Power Panel.	M-4M006	24B919100		TRUE
M-PP-22	Normal Power Panel.	M-4M009	24B919200		TRUE
M-PP-23	Normal Power Panel.	M-4M009	24B919100		TRUE
M-PP-24	Normal Power Panel.	M-4M009	24B919100		TRUE
M-PP-25	Normal Power Panel.	M-4M300	24B919100		TRUE
M-PP-27	Normal Power Panel.	M-4M007	24B919100		TRUE
M-PP-28	Normal Power Panel.	M-3M002	24B919100		TRUE
M-PP-29	Normal Power Panel.	M-3M002	24B919100		TRUE
M-PP-30	Normal Power Panel.	M-3M002	24B919200		TRUE
M-PP-31	Normal Power Panel.	M-3M003	24B919100		TRUE
M-PP-32	Normal Power Panel.	M-3M011	24B919200		TRUE
M-PP-33	Normal Power Panel.	M-3M011	24B919100		TRUE
M-PP-34	Normal Power Panel.	M-3M515	24B919100		TRUE
M-PP-35	Normal Power Panel.	M-3M515	24B919100		TRUE
M-PP-36	Normal Power Panel.	M-2M004	24B919100		TRUE
M-PP-37	Normal Power Panel.	M-2M004	24B919100		TRUE
M-PP-38	Normal Power Panel.	M-2M004	24B919100		TRUE
M-PP-39	Normal Power Panel.	M-2M004	24B919200		TRUE
M-PP-40	Normal Power Panel.	M-2M005	24B919100		TRUE
M-PP-41	Normal Power Panel.	M-2M008	24B919300		TRUE
M-PP-42	Normal Power Panel.	M-2M010	24B919200		TRUE
M-PP-43	Normal Power Panel.	M-2M010	24B919100		TRUE
M-PP-44	Normal Power Panel.	M-2M010	24B919100		TRUE

M-PP-45	Normal Power Panel.	M-1M004	24B919100		TRUE
M-PP-46	Normal Power Panel.	M-1M001	24B919100		TRUE
M-PP-47	Normal Power Panel.	M-1M001	24B919100		TRUE
M-PP-48	Normal Power Panel.	M-1M007	24B919100		TRUE
M-PP-49	Normal Power Panel.	M-1M007	24B919100		TRUE
M-PP-50	Normal Power Panel.	M-1M008	24B919100		TRUE
M-PP-51	Normal Power Panel.	M-1M001	24B919100		TRUE
M-RF-01	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-02	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-03	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-04	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-05	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-06	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-07	Fan (Return Fall Wall) M-6M3025	M-6M302			TRUE
M-RF-08	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-09	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-10	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-11	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RF-12	Fan (Return Fall Wall) M-6M302	M-6M302			TRUE
M-RO-01	Reverse Osmosis Unit (Evoqua acct 1052170884)	M-6M300			TRUE
M-RU-01	Refrigerated Unit (Ice Machine)	M-5M205	B42PSB	14051280011037	TRUE
M-SEN-03	Gas Detection Panel for M-1M221 - 2 Sensors	M-1M100J	E3SAH	SA201600098	TRUE
M-SEN-04	Gas Detection Panel for M-4M406 - 1 Ref Sensor	M-4M406	301-EM	5340RFS08140003	TRUE
M-SEN-05	Gas Detection Panel for M-4M407 - 1 Ref Sensor	M-4M407	301EMRP	301FMRP37090162	TRUE
M-SF-01	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-02	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-03	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-04	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-05	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-06	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-07	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-08	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-09	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-10	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-11	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-12	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-13	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-14	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-15	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-16	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-17	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-18	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-19	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-20	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SF-21	Supply Fan (Supply Fan Wall)	M-6M302			TRUE
M-SP-01	Tunnel Sump Pump (Across Tunnel)	M-0M002	SHEF40		TRUE
M-SP-02	Elevator Basement Sump Pump (22P005)	M-0M002	SKHS100		TRUE
M-SP-03	Elevator Basement Sump Pump (22P006)	M-0M002	SKHS100		TRUE
M-SP-04	Cistern Pump (Submersible - other side of concrete wall)	M-0M002			TRUE
M-SP-05	Cistern Pump (Submersible - other side of concert wall)	M-0M002			TRUE
M-SP-06	Rainwater Harvest Pump	M-0M002	CRNE 15-5		TRUE
M-SP-07	Rainwater Harvest Pump	M-0M002	CRNE 15-5		TRUE
M-SPA-01	Sprinkler Pre-Action Cabinet (M4M407/M4M406)	M-4M407	S/745 (19H-2)		TRUE
M-SPA-02	Sprinkler Pre-Action Cabinet	M-1M110	S/745	19G-2	TRUE
M-STR-01	Exhaust fan (Strobic - West unit)	M-ROOF	TS2S075A12		TRUE
M-STR-02	Exhaust fan (Strobic - East unit)	M-ROOF	TS2S075A12		TRUE
M-TRAN-01	High Voltage Transformer (normal power)	M-6M301	BA1750Y7-Q/X/E	C95542	TRUE
M-TRAN-02	Transformer (347/600:120/208V)	M-6M301	EY-603000-600	C 98516-1	TRUE
M-TRAN-03	Transformer (Emergency Power 4160v:347/600V)	M-6M301	EY-603000-600	095543	TRUE
M-TRAN-04	Transformer (Emergency Power 600v:208/120V)	M-6M301	EY-603000-600		TRUE
M-TRAN-05	Transformer (Emergency Power 600v:208/120V)	M-6M301		D 18502	TRUE
M-TRAN-06	Transformer (600:208/120V)	M-4M008	EY-60-150-600	C 98515-1	TRUE
M-TRAN-07	Transformer (600:208/120V)	M-3M008	EY-60-150-600	B 12	TRUE
M-TRAN-08	Transformer (600:208/120V)	M-2M008	EY-60-150-600	C 98515-2	TRUE
M-TRAN-09	Transformer (600:208/120V)	M-4M008	EY-60-075-600	C98514	TRUE
M-TRAN-10	Transformer (600:208/120V) (Zig Zag)	M-1M007	EY-60-300-600	D 06926	TRUE
M-UPS-01	Uninterruptible Power Supply	M-5M007			TRUE
M-UPS-02	Uninterruptible Power Supply	M-4M006			TRUE

Science Building Equipment Info

Tag # contains SN-

Tag #	Description	Location ID	Model #	Serial #	Active
SN-AC-03	Air Conditioner	SN-4117A	KAC-065-V5	94093437	TRUE
SN-AC-05	Air Conditioner	SN-3079	CP 15 WV	MTG 884 733	TRUE
SN-AC-08	Air Conditioner	SN-1074B	50GXH024 311DA	2094V17154	TRUE
SN-AC-09	Air Conditioner (Server Room)	SN-2016D	WPC 60-4	G04 AA60BR D-1632	TRUE
SN-AC-10	Air Conditioner	SN-2016D	50VQK024FMC301	1997V47687	TRUE
SN-AC-12	Air Conditioner	SN-ROOF		NMCMO97572	TRUE
SN-AC-13	Air Conditioner	SN-3071A	CP-65-WV-3	MTK 885258	TRUE
SN-AC-14	Air Conditioner	SN-4010	K26DF		TRUE
SN-AC-22	Air Conditioner (for SN-3066/67)	SN-3064	50RVR019LCC31130	2507V32264	TRUE
SN-AC-23	Air Conditioner (for SN-3066/67)	SN-3066K	50RVR019LCC31130	2507V32266	TRUE
SN-ATS-01	Automatic Transfer Switch	SN-1111	B940310091-C	146126-2	TRUE
SN-DHWP-02	Recirculator Pump - SN-DHWT-01	SN-1111A	43-75BF 216	52722370	TRUE
SN-DHWT-01	Domestic Hot Water Tank	SN-1111A	1123B-1-18	A 8541571	TRUE
SN-DHWT-06	Domestic Hot Water Tank	SN-3040	RR415TM	CN 1208214621	TRUE
SN-DHWT-2	DOMESTIC HOT WATER TANK	SN-1077			TRUE
SN-DHWT-3	DOMESTIC HOT WATER TANK	SN-1033	TE42OT	1094J22644	TRUE
SN-DHWT-4	DOMESTIC HOT WATER TANK	SN-4085	JW308-809	9.11E+09	TRUE
SN-DHWT-5	DOMESTIC HOT WATER TANK	SN-2079	JW405	8.9E+09	TRUE
SN-DHWT-8	DOMESTIC HOT WATER TANK	SN-3099	TE30R	1291J72717	TRUE
SN-DIM-01	Light Dimming Panel (near SN-1109) - NOT FOUND; See Comments	SN-1 FLOOR			TRUE
SN-DP-01	Distribution Panel	SN-1111		31516210-005	TRUE
SN-DP-B1	Distribution Panel	SN-2052			TRUE
SN-DP-BA	Distribution Panel	SN-2052			TRUE
SN-DP-S1	Distribution Panel	SN-1096A		288677-C	TRUE
SN-DP-S2	Distribution Panel	SN-1010		288677-B	TRUE
SN-DP-SG	Distribution Panel	SN-1096A			TRUE
SN-DSW-01	Disconnect Switch - SN-TRAN-15	SN-3040	FK361		TRUE
SN-DSW-02	Disconnect Switch - Duct Heater 'E' Music Tunnel	SN-GEN			TRUE
SN-DSW-03	Disconnect Switch - SN-TRAN-22	SN-1079			TRUE
SN-DSW-04	Disconnect Switch - EMG To FM Bldg	SN-1079	ID363		TRUE
SN-DSW-05	Disconnect Switch - SN-ATS-01	SN-1111		306265-C1	TRUE
SN-DSW-06	Disconnect Switch for SN-SF-09	SN-3065			TRUE
SN-DSW-07	Disconnect Switch for SN-EF-002	SN-3065			TRUE
SN-EDO0298	Elevator across from SN-1111 near Café	SN-1E01			TRUE
SN-EDO0299	Elevator to Tunnel, North West Corner	SN-1E02			TRUE
SN-EDO0387	Elevator near underpass, North East Corner	SN-1E03			TRUE
SN-EDO0756	Stairlift near large lecture theater SN-2109	SN-2V01			TRUE
SN-EF-001	Exhaust Fan	SN-5115	Shop #V5400//SIZE:365		TRUE
SN-EF-002	Exhaust Fan	SN-5115	Shop #W485//SIZE:300		TRUE
SN-EF-002A	Exhaust Fan	SN-5115	Shop #W485//SIZE:182		TRUE
SN-EF-003	Exhaust Fan	SN-5021	Shop #W485//SIZE:300		TRUE
SN-EF-004	Exhaust Fan (for Washrooms SN-2109-2109B-2109C)	SN-2109D	Shop #V5400 Size 12L2		TRUE
SN-EF-006	Exhaust Fan	SN-5115	Shop #W485//SIZE:152		TRUE
SN-EF-007	Exhaust Fan	SN-5115	Shop #W485//SIZE:91		TRUE
SN-EF-008	Exhaust Fan (for SN-1027)	SN-5050	Shop #W485//SIZE:122		TRUE
SN-EF-009	Exhaust Fan (for SN-1111)	SN-1111A	Shop #WF85//SIZE:182		TRUE
SN-EF-011	Exhaust Fan (for Elevator Room off SN-5050)	SN-5050	Size E122H	G-4246	TRUE
SN-EF-030	Exhaust Fan (Electrical Storage Room SN-1010)	SN-ROOF-W	Domex	Size CB095	TRUE
SN-EF-039	Exhaust Fan (A-Wing for General Exhaust in SN-4000A)	SN-ROOF-W	PR100-2	WID356811	TRUE
SN-EF-044	Exhaust Fan (B-Wing for SN-1096A Elect Rm)	SN-ROOF-S	Domex CB 095		TRUE
SN-EF-045	Exhaust Fan (B-Wing for Gen Vent South Level 4 tied in with SS11)	SN-ROOF-S	Dynafan LC42		TRUE
SN-EF-054	Exhaust Fan (C-Wing for General Ventilation in SN-1074B)	SN-ROOF-E	Domex AW 20		TRUE
SN-EF-055	Exhaust Fan (C-Wing Washrms SN-1078/2083-84/3102-03/4088-90)	SN-ROOF-E	Dynafan		TRUE
SN-EF-058	Exhaust Fan (C-Wing)	SN-ROOF-E	Domex BB45		TRUE
SN-EF-059	Exhaust Fan (C-Wing for SN-1065/1068)	SN-ROOF-E			TRUE
SN-EF-060	Exhaust Fan (C-Wing for Gen Vent East Level 2 tied in with SS-6)	SN-ROOF-E	Dynafan LC 32		TRUE

SN-EF-061	Exhaust Fan (C-Wing for Gen Vent East Level 3 tied in with SS-9)	SN-ROOF-E	LC 32		TRUE
SN-EF-063	Exhaust Fan (C-Wing for Gen Vent East Level 4 tied in with SS-10)	SN-ROOF-E	LC 32		TRUE
SN-EF-067	Exhaust Fan (D-Wing for SN-2052)	SN-ROOF-N	Dynafan LC 18		TRUE
SN-EF-070	Exhaust Fan (D-Wing for Fume Hood in SN-1039)	SN-ROOF-N	Fumex 14 B		TRUE
SN-EF-071	Exhaust Fan (D-Wing for Fume Hood in SN-1039)	SN-ROOF-N	Fumex 14 B		TRUE
SN-EF-072	Exhaust Fan (D-Wing for Washrms SN-1030-32/3035-37)	SN-ROOF-N	Fumex		TRUE
SN-EF-077[removed]	Exhaust Fan (Fume Hood in SN-1077)	SN-1077			TRUE
SN-EF-088	Exhaust Fan (SN-1107A) on roof of SN-2109	SN-ROOF	100 HLC 100HLC-3	132SF91553-00/0000701	TRUE
SN-EF-091	Exhaust Fan (For Fume Hood in SN-1074)	SN-ROOF-E	CNW 200		TRUE
SN-ELE-01	Science AB Blocks SN-1111 Electrical (ELE) Meter	SN-1111	ION7330: P7330A0B0B0E0A0A		TRUE
SN-ELE-02	Science CD Blocks BR-1002 Electrical (ELE) Meter	BR-1002	ION7330: P7330A0B0B0E0A0A		TRUE
SN-ELV-1	ELEVATOR CONTROLS, CAFE	SN-1 FLOOR			TRUE
SN-ELV-2	ELEVATOR CONTROLS, N/E	SN-1 FLOOR		25362	TRUE
SN-ELV-3	Elevator Controls (Tunnel EDO-0299)	SN-4021		7951	TRUE
SN-EMG-02	Emergency Panel	SN-2052			TRUE
SN-EMG-1	Emergency Panel - fed from SN-TRAN-22	SN-1079			TRUE
SN-EMG-3	Emergency Panel	SN-3040	CAT.NO: B 412100		TRUE
SN-EMG-4	Emergency Panel	SN-1111	CAT.NO.BL8		TRUE
SN-EMG-A	Emergency Panel	SN-1111A			TRUE
SN-EMG-B	Emergency Panel	SN-2052			TRUE
SN-FAP-01	Fire Alarm Panel (Underpass Entrance East)	SN-1V04	EST3		TRUE
SN-FFH-1	FORCE FLOW HEATER - N/E ELV ROOM	SN-4050	HS 100		TRUE
SN-FFH-2	FORCE FLOW HEATER - OUTSIDE N/E ELV ROOM	SN-4050	HS-100		TRUE
SN-FFH-3	FORCE FLOW HEATER - THROUGH S-1054	SN-1 FLOOR	ZQL 48S17D2053J P	CAT #B322	TRUE
SN-FH-03	FUME HOOD	SN-ROOF			TRUE
SN-FH-04	FUME HOOD	SN-1077A			TRUE
SN-FH-05	FUME HOOD	SN-ROOF			TRUE
SN-FH-06	FUME HOOD	SN-ROOF			TRUE
SN-FH-07	FUME HOOD	SN-ROOF			TRUE
SN-FH-08	FUME HOOD	SN-ROOF			TRUE
SN-FH-09	FUME HOOD	SN-ROOF			TRUE
SN-FH-10	FUME HOOD	SN-ROOF			TRUE
SN-FH-11	FUME HOOD	SN-ROOF			TRUE
SN-FH-12	FUME HOOD	SN-ROOF			TRUE
SN-FH-13	FUME HOOD	SN-ROOF			TRUE
SN-FH-14	FUME HOOD	SN-ROOF	20SA-F		TRUE
SN-FH-15	FUME HOOD	SN-ROOF			TRUE
SN-FH-16	FUME HOOD	SN-ROOF			TRUE
SN-FH-17	FUME HOOD	SN-ROOF			TRUE
SN-FH-18	FUME HOOD	SN-ROOF			TRUE
SN-FH-19	FUME HOOD	SN-ROOF			TRUE
SN-FH-20	FUME HOOD	SN-ROOF	20BARI		TRUE
SN-FH-21	FUME HOOD	SN-ROOF			TRUE
SN-FH-22	FUME HOOD	SN-ROOF			TRUE
SN-FH-23	FUME HOOD	SN-ROOF			TRUE
SN-FH-24	FUME HOOD	SN-ROOF			TRUE
SN-FH-26	FUME HOOD	SN-ROOF	CAT# 47704	33371	TRUE
SN-FH-30	FUME HOOD	SN-ROOF			TRUE
SN-FH-31	FUME HOOD	SN-ROOF	15BA 121		TRUE
SN-FH-32	FUME HOOD	SN-ROOF			TRUE
SN-FH-33	FUME HOOD	SN-ROOF			TRUE
SN-FH-38	FUME HOOD	SN-ROOF			TRUE
SN-FH-39	FUME HOOD	SN-ROOF			TRUE
SN-FH-40	FUME HOOD	SN-ROOF			TRUE
SN-FH-41	FUME HOOD	SN-ROOF			TRUE
SN-FH-42	FUME HOOD	SN-ROOF			TRUE
SN-FH-43	FUME HOOD	SN-ROOF			TRUE
SN-FH-44	FUME HOOD	SN-ROOF			TRUE
SN-FH-45	FUME HOOD	SN-ROOF			TRUE
SN-HP-01	Heat Pump (East Wing Heat)	SN-1111A	UPS75-69F	96654390	TRUE
SN-HP-02	Heat Pump (East Wing Heat)	SN-1111A	UPS 75-69F	96655263	TRUE
SN-HP-07	Heat Pump (North Wing Heat)	SN-1111A	UPS 53-55/57F	96654376	TRUE
SN-HP-08	Heat Pump (North Wing Heat)	SN-1111A	UPS 53-55/57F	96654376	TRUE
SN-HRV-01	Heat Recovery Unit	SN-1054A	500 HRV-C-F-P-A-0-1	305161280	TRUE
SN-HVSG-02	High Voltage Switch Gear feed to Henrietta Harvey	SN-1111	JB20007-1		TRUE
SN-HVTR-01	High Voltage Pad Mounted Transformer	SN-GR		34150-001	TRUE
SN-LP-10	POWER PANEL BY S-1045	SN-1045			TRUE
SN-LP-11	POWER PANEL BY S-2041	SN-2041			TRUE

SN-LP-12	POWER PANEL BY S-3058	SN-3058			TRUE
SN-LP-13	POWER PANEL BY S-4035	SN-4035			TRUE
SN-LP-14	POWER PANEL	SN-4022A			TRUE
SN-LP-15	POWER PANEL BY S-1067	SN-1067	CAT.NO:QOL 436//SERIES:T2		TRUE
SN-LP-16	POWER PANEL	SN-1039			TRUE
SN-LP-17	POWER PANEL	SN-1039			TRUE
SN-LP-18	POWER PANEL BY S-1069	SN-1069			TRUE
SN-LP-19	POWER PANEL	SN-1077	CAT.NO:QOL 420//SERIES:T2		TRUE
SN-LP-20	POWER PANEL	SN-1050			TRUE
SN-LP-21	POWER PANEL	SN-2053	CAT.NO:B870		TRUE
SN-LP-22	POWER PANEL	SN-2057A			TRUE
SN-LP-23	POWER PANEL BY S-3084	SN-3084			TRUE
SN-LP-24	POWER PANEL	SN-3075C			TRUE
SN-LP-25	POWER PANEL	SN-1031			TRUE
SN-LP-26	Power Panel (near SN-2075)	SN-2 FLOOR	NBLP	NBLP 42B-4L1	TRUE
SN-LP-3	POWER PANEL	SN-1064	CAT.NO:QBL 430//SERIES:1W		TRUE
SN-LP-4	POWER PANEL BY S-1054	SN-1C08			TRUE
SN-LP-5	POWER PANEL BY S-2066	SN-2066			TRUE
SN-LP-6	POWER PANEL BY S-3084	SN-3084			TRUE
SN-LP-7	POWER PANEL BY S-4071	SN-4071			TRUE
SN-LP-8	Power Panel	SN-2053			TRUE
SN-LP-9	POWER PANEL BY S-1054	SN-1C08			TRUE
SN-LP-B1	POWER PANEL BY S-1051	SN-1051	CAT.NO.QBL 420//SERIES:1W		TRUE
SN-LP-B2	POWER PANEL BY S-1068	SN-1068	CAT.NO:QBL 430//SERIES:1W		TRUE
SN-LP-BA	LIGHTING PANEL BY S-1060	SN-1060			TRUE
SN-LP-C	LIGHTING PANEL BY S-2066	SN-2066			TRUE
SN-LP-D	LIGHTING PANEL BY S-3084	SN-3084			TRUE
SN-LP-E	LIGHTING PANEL BY S-4071	SN-4071			TRUE
SN-LP-F	POWER PANEL	SN-2052			TRUE
SN-LP-G	LIGHTING PANEL BY S-1045	SN-1045			TRUE
SN-LP-H	LIGHTING PANEL BY S-2041	SN-2041			TRUE
SN-LP-J	LIGHTING PANEL BY S-3058	SN-3058			TRUE
SN-LP-K	LIGHTING PANEL BY S-4035	SN-4035			TRUE
SN-LP-S1	POWER PANEL BY S-1010	SN-1010	CAT.NO:QBL- 430//SERIES:1W		TRUE
SN-LP-S10	POWER PANEL BY S-2090	SN-2090	CAT.NO:QBL 430//SERIES:1W		TRUE
SN-LP-S11	POWER PANEL BY S-2096	SN-2096	CAT.NO:QBL 442//SERIES:1W		TRUE
SN-LP-S12	POWER PANEL	SN-3118	CAT.NO:QBL 430//SERIES:1W		TRUE
SN-LP-S13	POWER PANEL BY S-3116	SN-3116	CAT.NO:QBL 420//SERIES:1W		TRUE
SN-LP-S14	POWER PANEL BY S-3113	SN-3113	CAT.NO:QBL 420//SERIES:1W		TRUE
SN-LP-S15	POWER PANEL	SN-3109	CAT.NO:QBL 430//SERIES:1W		TRUE
SN-LP-S16	POWER PANEL	SN-3108	CAT.NO:QBL 420//SERIES:1W		TRUE
SN-LP-S17	POWER PANEL	SN-2085	CAT.NO:QBL 442//SERIES:1W		TRUE
SN-LP-S18	POWER PANEL BY S-1083	SN-1083	CAT.NO:QBL 442//SERIES:1W		TRUE
SN-LP-S19	POWER PANEL BY S-3110	SN-3110	CAT.NO:QBL 442//SERIES:1W		TRUE
SN-LP-S2	POWER PANEL	SN-1023	CAT.NO:QBL- 442//SERIES:1W		TRUE
SN-LP-S20	POWER PANEL BY S-4110	SN-4110			TRUE
SN-LP-S21	POWER PANEL BY S-4105	SN-4105			TRUE
SN-LP-S22	POWER PANEL BY S-4096	SN-4096			TRUE
SN-LP-S24	POWER PANEL	SN-1096A			TRUE
SN-LP-S25	POWER PANEL	SN-1107			TRUE
SN-LP-S26	POWER PANEL	SN-1024			TRUE
SN-LP-S27	POWER PANEL BY S-1024	SN-1024			TRUE
SN-LP-S28	POWER PANEL BY S-1003	SN-1003			TRUE
SN-LP-S29	POWER PANEL BY S-1003	SN-1003	CAT.NO:QOL- 442//SERIES:T2		TRUE
SN-LP-S3	POWER PANEL BY S-2011	SN-2011	CAT.NO:QBL- 420//SERIES:1W		TRUE
SN-LP-S30	POWER PANEL BY S-2005	SN-2005			TRUE
SN-LP-S31	POWER PANEL BY S-2018	SN-2018			TRUE
SN-LP-S32	POWER PANEL	SN-3030			TRUE
SN-LP-S33	POWER PANEL	SN-3025A	CAT.NO:QO-424		TRUE

SN-LP-S34	POWER PANEL BY S-3025	SN-3025			TRUE
SN-LP-S35	POWER PANEL BY S-3005	SN-3005			TRUE
SN-LP-S36	POWER PANEL BY S-4000	SN-4000	CAT.NO:QOL 442//SERIES:T2		TRUE
SN-LP-S37	POWER PANEL BY S-4015	SN-4015	CAT.NO:QBL- 442//SERIES:T2		TRUE
SN-LP-S38	POWER PANEL BY S-1103A	SN-1103A			TRUE
SN-LP-S39	POWER PANEL BY S-1091	SN-1091	CAT.NO:QOL 442//SERIES:T2		TRUE
SN-LP-S4	POWER PANEL BY S-3011	SN-3011	CAT.NO:QBL 420//SERIES:1W		TRUE
SN-LP-S40	POWER PANEL BY S-2096	SN-2096			TRUE
SN-LP-S41	POWER PANEL BY S-2101	SN-2101			TRUE
SN-LP-S42	POWER PANEL BY S-3119	SN-3119			TRUE
SN-LP-S43	POWER PANEL BY S-3108	SN-3108			TRUE
SN-LP-S44	POWER PANEL BY S-4096	SN-4096	CAT.NO:QOL-436		TRUE
SN-LP-S45	POWER PANEL BY S-4113	SN-4113	CAT.NO:QOL 442//SERIES:T2		TRUE
SN-LP-S47	POWER PANEL	SN-4012	CAT.NO:QBL- 420//SERIES:T2		TRUE
SN-LP-S48	POWER PANEL	SN-4109	CAT.NO: 318-36		TRUE
SN-LP-S49	POWER PANEL IN SCIENCE DRY STAND	SN-1 FLOOR			TRUE
SN-LP-S5	POWER PANEL BY S-4116	SN-4116			TRUE
SN-LP-S50	POWER PANEL BY S-2094	SN-2094	CAT.NO:QBL 320//SERIES:T2		TRUE
SN-LP-S51	POWER PANEL BY SN-3092	SN-3092	NLAB442A		TRUE
SN-LP-S52	POWER PANEL	SN-3119	NBLP-248-4LI		TRUE
SN-LP-S53	POWER PANEL	SN-1109	CAT.NO.QO-8- 12//SERIES:T2		TRUE
SN-LP-S54	POWER PANEL	SN-1108	CAT.NO.QBM- 412//SERIES:T2		TRUE
SN-LP-S55	POWER PANEL BY S-4038	SN-4101			TRUE
SN-LP-S6	Power Panel	SN-1111			TRUE
SN-LP-S7	POWER PANEL BY S-2109	SN-2109	AC-6	1741	TRUE
SN-LP-S8	POWER PANEL BY S-1087	SN-1087	CAT.NO:QBL 430//SERIES:1W		TRUE
SN-LP-S9	POWER PANEL BY S-2101	SN-2101	CAT.NO:QBL 412//SERIES:1W		TRUE
SN-LP-SA	LIGHTING PANEL	SN-1012		299937-H	TRUE
SN-LP-SB	LIGHTING PANEL BY S-2011	SN-2011			TRUE
SN-LP-SC	LIGHTING PANEL BY S-3012	SN-3012		299937-J	TRUE
SN-LP-SD	LIGHTING PANEL BY S-4012	SN-4012		299937-K	TRUE
SN-LP-SE	LIGHTING PANEL BY S-1096	SN-1096		299937-C	TRUE
SN-LP-SF	LIGHTING PANEL BY S-2098	SN-2098		299937-N	TRUE
SN-LP-SG	LIGHTING PANEL BY S-3116	SN-3116		299937-N	TRUE
SN-LP-SH	Lighting Panel	SN-1111			TRUE
SN-LP-SJ	LIGHTING PANEL BY S-4035	SN-4035			TRUE
SN-LVSG-01	Low Voltage Switchgear feedinf SN-DP-03	SN-1111	POWER PACT RG1600	31516210-005	TRUE
SN-MCC-01	Power Panel (for Pumps)	SN-1111	Series 2100		TRUE
SN-MCC-02	Power Panel (for Fans)	SN-1111	Series 2100		TRUE
SN-MIC-01	Microwave	SN-1112	SMW730		TRUE
SN-MTR-001	Motor (Exhaust Fan EF-01)	SN-5115	213-DBS	121643	TRUE
SN-MTR-002	Motor (Exhaust Fan EF-002)	SN-5115	184-DBS	121637	TRUE
SN-MTR-002A	Motor (Exhaust Fan EF-002A)	SN-5115	MHD-R66-18F	121641	TRUE
SN-MTR-003	Motor (Exhaust Fan EF-003)	SN-5021	184-DBS	BGK-6452	TRUE
SN-MTR-004	Motor (Exhaust Fan EF-004)	SN-2109D	MHD-R66-1BT	120901	TRUE
SN-MTR-005	Motor (Exhaust Fan EF-005) [NO LONGER IN SERVICE]	SN-1107C			TRUE
SN-MTR-006	Motor (Exhaust Fan EF-006)	SN-5115			TRUE
SN-MTR-007	Motor (Exhaust Fan EF-007)	SN-5115	A4C17DR1A	100109.00	TRUE
SN-MTR-008	Motor (Exhaust Fan EF-008)	SN-5050	FD1CM2PZ	C63YZFKJ-4099	TRUE
SN-MTR-009	Motor (Exhaust Fan EF-009)	SN-1111			TRUE
SN-MTR-010	Motor (Exhaust Fan EF-010)	SN-1074	5KPC39KN3	ERD S26AF1	TRUE
SN-MTR-011	Motor (Exhaust Fan EF-011)	SN-5050	K-3	7-130939-01	TRUE
SN-MTR-012	Motor (Exhaust Fan EF-012)	SN-5050	K-2	7-130959.01	TRUE
SN-MTR-015	Motor (Exhaust Fan EF-015)	SN-1009	7151-2179	U51 1AXZ-12	TRUE
SN-MTR-016	Motor (Exhaust Fan EF-016)	SN-1111	8273915073		TRUE
SN-MTR-017	Motor (Exhaust Fan EF-017)	SN-1104			TRUE
SN-MTR-018	Motor (Exhaust Fan EF-018)	SN-1104		8VF48A1702363	TRUE
SN-MTR-019	Motor (Exhaust Fan EF-019)	SN-1104		9KH321N164X	TRUE
SN-MTR-020	Motor (Exhaust Fan EF-020)	SN-ROOF-N	5KH36MN238		TRUE
SN-MTR-021	Motor (Exhaust Fan EF-021)	SN-ROOF-N	ZGK48S17		TRUE
SN-MTR-022	Motor (Exhaust Fan EF-022) [NO LONGER IN SERVICE]	SN-ROOF			TRUE
SN-MTR-023	Motor (Exhaust Fan EF-023)	SN-ROOF-W	3874	C63JXSGM-3874	TRUE
SN-MTR-024	Motor (Exhaust Fan EF-024)	SN-ROOF-W		SKH43MG858	TRUE
SN-MTR-025	Motor (Exhaust Fan EF-025)	SN-ROOF-W	8-165516-02	808	TRUE

SN-MTR-026	Motor (Exhaust Fan EF-026)	SN-ROOF-W	5KH36MN238		TRUE
SN-MTR-027	Motor (Exhaust Fan EF-027)	SN-ROOF-W	A4C17DR1F	100109.00	TRUE
SN-MTR-028	Motor (Exhaust Fan EF-028)	SN-ROOF-W	B300	VXK48S17D2052FP	TRUE
SN-MTR-029	Motor (Exhaust Fan EF-029)	SN-ROOF-W	A4C17DR1F	100109.00	TRUE
SN-MTR-030	Motor (Exhaust Fan EF-030)	SN-ROOF-W	B303	KQN48S17D2055F-P	TRUE
SN-MTR-031	Motor (Exhaust Fan EF-031)	SN-ROOF-W	YV5050042	5KH32DNA891T	TRUE
SN-MTR-032	Motor (Exhaust Fan EF-032)	SN-ROOF-W	XVL705130	5KH36KN112GX	TRUE
SN-MTR-033	Motor (Exhaust Fan EF-033)	SN-ROOF-W	A4C17DR2E	100110.00	TRUE
SN-MTR-034	Motor (Exhaust Fan EF-034)	SN-ROOF-W	F-102	XPD56C17F5325DL	TRUE
SN-MTR-035	Motor (Exhaust Fan EF-035)	SN-ROOF-W	M6C17FB66	113256.00	TRUE
SN-MTR-036	Motor (Exhaust Fan EF-036)	SN-ROOF-W	323P673	S7AF1-P	TRUE
SN-MTR-037	Motor (Exhaust Fan EF-037)	SN-ROOF-W	323P673	S7AF1-P	TRUE
SN-MTR-038	Motor (Exhaust Fan EF-038)	SN-ROOF-W	323P673	S7AF1-P	TRUE
SN-MTR-039	Motor (Exhaust Fan EF-039)	SN-ROOF-W	D32E01N	44RV	TRUE
SN-MTR-040	Motor (Exhaust Fan EF-040)	SN-ROOF-S	M6C17FB890	10087.00	TRUE
SN-MTR-041	Motor (Exhaust Fan EF-041)	SN-ROOF-S	3754	C63CXSGE-3754	TRUE
SN-MTR-042	Motor (Exhaust Fan EF-042) [NO LONGER IN SERVICE]	SN-ROOF-S			TRUE
SN-MTR-043	Motor (Exhaust Fan EF-043) [NO LONGER IN SERVICE]	SN-ROOF-S			TRUE
SN-MTR-044	Motor (Exhaust Fan EF-044)	SN-ROOF-S	A4C17DR1F	100109.00	TRUE
SN-MTR-045	Motor (Exhaust Fan EF-045)	SN-ROOF-S	ELT2E2D	EL07	TRUE
SN-MTR-046	Motor (Exhaust Fan EF-046)	SN-ROOF-S	M090405	A4K17DB4	TRUE
SN-MTR-047	Motor (Exhaust Fan EF-047)	SN-ROOF-S	HE3F377N	SER045/130	TRUE
SN-MTR-048	Motor (Exhaust Fan EF-048)	SN-ROOF-S	A4K17D86	M090602	TRUE
SN-MTR-049	Motor (Exhaust Fan EF-049)	SN-ROOF-S	A4C17DR2E	100110.00	TRUE
SN-MTR-050	Motor (Exhaust Fan EF-050)	SN-ROOF-S	A4K17DB6	M0906602	TRUE
SN-MTR-051	Motor (Exhaust Fan EF-051) [NO LONGER IN SERVICE]	SN-ROOF-S			TRUE
SN-MTR-052	Motor (Exhaust Fan EF-052)	SN-ROOF-S	808	B165516-02	TRUE
SN-MTR-053	Motor (Exhaust Fan EF-053)	SN-ROOF-S	5KCA39KG		TRUE
SN-MTR-055	Motor (Exhaust Fan EF-055)	SN-ROOF-E	G120018.00	C14ST17FB6013	TRUE
SN-MTR-056	Motor (Exhaust Fan EF-056)	SN-ROOF-E	D1CA2J9	C63JXEKY-3796	TRUE
SN-MTR-057	Motor (Exhaust Fan EF-057)	SN-ROOF-E	M6C17FB9H	110087.00	TRUE
SN-MTR-058	Motor (Fume Hood GV SN-1069A)	SN-ROOF-E			TRUE
SN-MTR-059	Motor (Exhaust Fan EF-059)	SN-ROOF-E	A4K170B4	M090405	TRUE
SN-MTR-060	Motor (Exhaust Fan EF-060)	SN-ROOF-E	EL07	ELT2E2D	TRUE
SN-MTR-061	Motor (Exhaust Fan EF-061)	SN-ROOF-E	EL07	ELT2E2D	TRUE
SN-MTR-062	Motor (Exhaust Fan EF-062)	SN-ROOF-E			TRUE
SN-MTR-063	Motor (Exhaust Fan EF-063)	SN-ROOF-E	EL07	ELT2E2D	TRUE
SN-MTR-064	Motor (Exhaust Fan EF-064)	SN-ROOF-E	4J122BB7		TRUE
SN-MTR-065	Motor (Exhaust Fan EF-065)	SN-ROOF-E	A4C17DR2A	100110.00	TRUE
SN-MTR-066	Motor (Exhaust Fan EF-066)	SN-ROOF-E	M090602	5PC56C17F5324FP	TRUE
SN-MTR-067	Motor (Exhaust Fan EF-067)	SN-ROOF-N	B315	YQH48C17D2044F	TRUE
SN-MTR-068	Motor (Exhaust Fan EF-068)	SN-ROOF-N	A4K17DB6	M090602	TRUE
SN-MTR-069	Motor (Exhaust Fan EF-069)	SN-ROOF-N	7J460GAX		TRUE
SN-MTR-070	Motor (Exhaust Fan EF-070)	SN-ROOF-N	7J463LA		TRUE
SN-MTR-071	Motor (Exhaust Fan EF-071)	SN-ROOF-N	CU302	BTN56RC17D1/2M	TRUE
SN-MTR-072	Motor (Exhaust Fan EF-072)	SN-ROOF-N	311P240A	FA75	TRUE
SN-MTR-073	Motor (Exhaust Fan EF-073)	SN-ROOF-N	A4C17DR2E	100110.00	TRUE
SN-MTR-074	Motor (Exhaust Fan EF-074)	SN-ROOF-W	EL01	ELT1E2D/G-04C	TRUE
SN-MTR-077	Motor (Exhaust Fan EF-077)	SN-1077A	911144-02	67104	TRUE
SN-MTR-084	Motor (Exhaust Fan EF-084) [NO TAG ON UNIT]	SN-ROOF-W	B315	1QL48C17D204HF-P	TRUE
SN-MTR-085	Motor (Exhaust Fan EF-085) [NO TAG ON UNIT]	SN-ROOF-W	B315	2QD4SC17D20445-P	TRUE
SN-MTR-087OLD	Motor (Exhaust Fan EF-087)	SN-1063		9VA48A170236E-P	TRUE
SN-PAC-01	Portable Air Conditioner	SN-3125D	043-5486-2		TRUE
SN-PAC-02	Portable Air Conditioner		DPA120B9IBDB-6		TRUE
SN-PAC-03	Portable Air Conditioner		CPN12XC9	C120404028	TRUE
SN-PAC-04	Portable Air Conditioner	SN-3125C	FHPW142AC101	XK34800504	TRUE
SN-PAC-05	Portable Air Conditioner	SN-3126	043-5486-2		TRUE
SN-PP-03	POWER PANEL	SN-3007B			TRUE
SN-PP-04	POWER PANEL	SN-1027			TRUE
SN-PP-05	POWER PANEL BY S-3027	SN-3027			TRUE
SN-PP-06	POWER PANEL	SN-4000			TRUE
SN-PP-07	POWER PANEL	SN-4010	CAT.NO:QBL-430//SERIES:T2		TRUE
SN-PP-08	POWER PANEL BY S-4018	SN-4018	CAT.NO:QBL-442//SERIES:1W		TRUE
SN-PP-09	POWER PANEL BY S-4011	SN-4011			TRUE
SN-PP-10	POWER PANEL	SN-1074C			TRUE
SN-PP-SJ	Power Panel	SN-1111A			TRUE
SN-PRV-01	PRESSURE REDUCING VALVE	SN-1111			TRUE
SN-PRV-02	Pressure Reducing Valve (Water Main - Left)	SN-1111A	Fig #PV10M-06	Assembly #03-09	TRUE
SN-PRV-03	Pressure Reducing Valve (Water Main - Right)	SN-1111A	Fig #PV10M-06	Assembly #03-09	TRUE
SN-RC-02	Refrigerant Compressor (Walk In Cooler)	SN-3032A	F3WM-0101CFU001	25197	TRUE
SN-RC-04	Refrigerant Compressor (Walk In Cooler)	SN-4010A	ZS 68N 1600	609 281	TRUE

SN-RC-05	Refrigerant Compressor (Walk In Cooler)	SN-4008B	AH7480AW	8A8575990	TRUE
SN-RC-06	Refrigerant Compressor (Walk In Cooler)	SN-1077C	8X6X7.6	30176	TRUE
SN-RC-09	Refrigerant Compressor	SN-1112	GDM33	11635668	TRUE
SN-RC-10	Refrigerant Compressor	SN-1112	GDM33	1135669	TRUE
SN-RC-11	Refrigerant Compressor	SN-1107B	RR27M	85815162	TRUE
SN-RF-07	RETURN FAN FOR SS-7	SN-2048A	TYPE: 6D//SIZE: 27	72-12904	TRUE
SN-RF-08	RETURN FAN FOR S-SS-8	SN-GEN	TYPE: GP//SIZE:307	72-12904	TRUE
SN-SF-01	Supply Fan (East Wing 100% FA)	SN-2085			TRUE
SN-SF-02	Supply Fan (North Wing 100% FA)	SN-5115	W2104		TRUE
SN-SF-03	Supply Fan (North End 100% FA)	SN-5021			TRUE
SN-SF-04	Supply Fan (Lecture Theatre 100% FA)	SN-1108A			TRUE
SN-SF-05	SUPPLY FAN (100% FA)	SN-3104			TRUE
SN-SF-06	SUPPLY FAN (100% FA)	SN-2049			TRUE
SN-SF-07	SUPPLY FAN(Mixed Air)	SN-2048A			TRUE
SN-SF-08	SUPPLY FAN(mixed Air)	SN-2048A			TRUE
SN-SF-09	SUPPLY FAN(100% F/A)	SN-3065			TRUE
SN-SF-10	SUPPLY FAN(100% F/A)	SN-4051			TRUE
SN-SF-11	SUPPLY FAN(100% F/A)	SN-4115	TYPE: HV//SIZE: 221-7	71-03528	TRUE
SN-SF-12	SUPPLY FAN (Animal Care Unit--Now Not In Use)	SN-2007			TRUE
SN-SF-13	SUPPLY FAN(C Wing 1st Floor South) 100% F/A	SN-1054A			TRUE
SN-SF-14	SUPPLY FAN(C Wing 1st Floor North) 100%F/A	SN-1054A	SIZE: 12L1		TRUE
SN-SF-16	SUPPLY FAN	SN-1111			TRUE
SN-SHWR-03	Combination Emergency Shower/Eyewash Station	SN-1074	8309WC		TRUE
SN-TRAN-01	Transformer	SN-1111	Esaver-80R-225-480-208-TB	52529	TRUE
SN-TRAN-02	Transformer	SN-1111	Esaver-80R-30-480-208	52498	TRUE
SN-TRAN-03	Transformer	SN-1111		90318	TRUE
SN-TRAN-04	Transformer	SN-1111	Esaver-80R-225-480-600-Z6.1	52530	TRUE
SN-TRAN-05	Transformer	SN-1010	E-CD3C0112VHA6XXBA-003	DZJ-1026-235689	TRUE
SN-TRAN-07old	Call Planner/Estimator to Tag	SN-1010		88215	TRUE
SN-TRAN-08	Transformer (Electron Microscope SN1012)	SN-1010			TRUE
SN-TRAN-09	Transformer	SN-1096A	E-CD3C0112VHA6XXBA-003	DZJ-1025-235689	TRUE
SN-TRAN-09old	Transformer	SN-1096A		90311	TRUE
SN-TRAN-10	Transformer	SN-1096A		90310	TRUE
SN-TRAN-11	Transformer	SN-1096A		90312	TRUE
SN-TRAN-13	Transformer	SN-2052	5H1-7.5-B1	12032-9	TRUE
SN-TRAN-14	Transformer	SN-2052	5H3-112.5B-8	12436-5	TRUE
SN-TRAN-15	Transformer	SN-3040	Cat # K97K		TRUE
SN-TRAN-16	Transformer (50 KVA)	SN-2052	Esaver-80R-50-480-208-T115	6951-	TRUE
SN-TRAN-17	Transformer (225KVA)	SN-1111	MK225KP		TRUE
SN-TRAN-18	Low Voltage Transformer	SN-1096A			TRUE
SN-TRAN-22	Transformer (2KVA) - SN-EMG-1	SN-1079	K27K		TRUE
SN-UPS-1	Power Panel - UPS	SN-1079	QOC24UC		TRUE
SN-UPS-3	Power Panel - UPS	SN-2048A	NQOD424M100		TRUE
SN-VP-03	Vent Pump (East Wing Vent Heat SS-1&5)	SN-1111A	UPS 53-55/57F	96654376	TRUE
SN-VP-04	Vent Pump (East Wing Vent Heat SS-1&5)	SN-1111A	UPS 53-55/57F	96654376	TRUE
SN-VP-05	Vent Pump (North Wing Vent Heat SS-2&3)	SN-1111A	UPS 53-55/57F	96654376	TRUE
SN-VP-06	Vent Pump (North Wing Vent Heat SS-2&3)	SN-1111A	UPS 53-55/57F	96654376	TRUE
SN-VP-07	Vent Pump (Vent Heat SS-4 Lower Cage)	SN-1111A	UP53-46F	96633591	TRUE
SN-VP-10	VENT PUMP	SN-2048A	UP53-45F		TRUE
SN-VP-11	Vent Pump (Vent Heat Penthouse SS-11)	SN-1111A	UP53-46F	96633591	TRUE
SN-VP-12	VENT PUMP	SN-3104	H32S35	R8312	TRUE
SN-VP-13	VENT PUMP	SN-3065	UP53-46F		TRUE
SN-VP-14	VENT PUMP	SN-4115	S45 115V		TRUE
SN-VP-15	VENT PUMP	SN-2048A	UP53-45F 115V		TRUE
SN-VP-8	VENT PUMP	SN-2085			TRUE
SN-VP-9	VENT PUMP	SN-2049	UP53-46F		TRUE
SN-VP-G	Pump (Ventilation Heat SN-SS-10)	SN-4051	S-45		TRUE
SN-XP-01	Flexlab Power Panel	SN-3023A			TRUE
SN-XP-02	Flexlab Power Panel	SN-4012			TRUE

Utilities Annex Equipment Info

Tag # contains UA-

Tag #	Description	Location ID	Model #	Serial #	Active
GRNC-UA-METR01	Cathodic Protection Rectifier (Tank #1)	UA-GR	EAYSA40-10	C-051858	TRUE
GRNC-UA-METR02	Cathodic Protection Rectifier (Tank #2 and #3)	UA-GR	EAYSA40-10	C-051857	TRUE
UA-AC-01	Air Conditioner (Level 2 Office Suite)	UA-ROOF	50HC-D08A2A5-0B2C0	2214P86639	TRUE
UA-AC-03	Air Conditioner (Control Room)	UA-1005	50 HQK019Z MC311	1499V 70187	TRUE
UA-AD-01L	Air Dryer [Left Cylinder]	UA-1002		6650	TRUE
UA-AD-01R	Air Dryer [Right Cylinder]	UA-1002		6651	TRUE
UA-AG-03	Agitator Motor (HTHW) [CT-03]	UA-1002			TRUE
UA-AHU-01	HVAC Unit #1 (West) 100% FA	UA-1001			TRUE
UA-AHU-02	HVAC Unit #2 (East) 100% FA	UA-1001			TRUE
UA-AIR-01	Air System (for Diesel Generator #1)	UA-1004			TRUE
UA-AIRCOMP-01	Air Compressor (Atlas - Copco)	UA-1001	GA 37 FF	API 500406	TRUE
UA-AIRCOMP-02	Air Compressor (Atlas Copco)	UA-1001	GA37FF	API539482	TRUE
UA-AIRCOMP-03	Air Compressor (Atlas - Copco)	UA-1002	GA 37	All 361210	TRUE
UA-ANP-01	Annunciator Panel (Control Room Level 1)	UA-1005	EST		TRUE
UA-ASC-03	Air System Components (UA-HPB-03)	UA-1001			TRUE
UA-ASC-04	Air System Components (UA-HPB-04)	UA-1001			TRUE
UA-ASCS-01(old)	Air System Transmitters and Switches (UA-HPB-01)	UA-1001			TRUE
UA-ATS-01	Transfer Switch (emergency power.)	UA-2006	H07ATBC30800R5XE	592691	TRUE
UA-BC-01	Battery Charger	UA-2006			TRUE
UA-BC-02	Battery Charger	UA-2006		43457	TRUE
UA-BC-03	Battery Charger (Generator #1)	UA-1004	HX24		TRUE
UA-BC-04	Battery Charger (Generator #2)	UA-1004	HX24		TRUE
UA-BC-05	Battery Charger (Generator #3)	UA-1004	HX24		TRUE
UA-BC-06	Battery Charger (Generator #4)	UA-1004	HX24		TRUE
UA-BC-07	Battery Charger (Generator #5)	UA-1007	NRF22-10-HCC	403470	TRUE
UA-BC-08	Battery Charger (Generator #6)	UA-1007	NRF22-10-HCC	403488	TRUE
UA-BP-01	Battery Pack (Emergency Switch Gear)	UA-2006			TRUE
UA-BP-02	Battery Pack (Lower cubical of UA-BC-02)	UA-2006			TRUE
UA-BUSS-A	High Voltage Buss Bar (Cubicle - Line A)	UA-2006			TRUE
UA-BUSS-B	High Voltage Buss Bar (Cubicle - Line B)	UA-2006			TRUE
UA-CFP-01	Common Chemical Feed Pump Sulphite	UA-1001	LPB4EA-PTC1-500	05/10.177192	TRUE
UA-CFP-02	Common Chemical Feed Pump Alkalinity	UA-1002	LPB4EA-PTC1-500	06/12.373212	TRUE
UA-CFP-03	Common Chemical Feed Pump Moly	UA-1001	LP84EA-PTC1-500	05/10.177187	TRUE
UA-CFP-04	Common Chemical Feed Pump Amine	UA-1001	LP84EA-PTC1-500	05/10.177189	TRUE
UA-CFP-05	Direct Injection Chemical Feed Pump Sulphite	UA-1001	BT4B0708PVT2000UD0 10000	2711026158 BT4B	TRUE
UA-CFP-06	Direct Injection Chemical Feed Pump Alkalinity	UA-1001	BT4B0708PVT2000UD0 10000	2711026	TRUE
UA-CFP-07	Direct Injection Chemical Feed Pump Moly	UA-1001	BT4B0708PVT2000UD0 10000		TRUE
UA-CFP-08	Direct Injection Chemical Feed Pump Amine	UA-1001	BT4B0708PVT2000UD0 10000		TRUE
UA-CHL-01	Chiller Unit #1 Centrifugal Chiller	UA-1002	19XR-8787505EQH65S	3706Q73004	TRUE
UA-CHL-02	Chiller Unit #2 Centrifugal Chiller	UA-1002	19XR-858559DEPH658	2210Q19854	TRUE
UA-CHL-03	Chiller Unit #3 Centrifugal Chiller	UA-1002	19XR-8787505EPS65	2199J59589	TRUE
UA-CHSY-01	Chemical System	UA-1001			TRUE
UA-COMP-01 OLD	Air Compressor (Atlas - Copco)	UA-1001	GA 37 FF	AP1500406	TRUE
UA-COMP-C1	Compressor (Chiller #1)	UA-1002	19CB51BY	42485	TRUE
UA-COMP-C2	Compressor (Chiller #2)	UA-1002	19CB51BY	42481	TRUE
UA-COMP-C3	Compressor (Chiller #3)	UA-1002	02XR-505EPS65	59589	TRUE
UA-CON-C1	Condenser (Chiller #1)	UA-1002	19CB324-104	730045	TRUE
UA-CON-C2	Condenser (Chiller #2)	UA-1002	19CB324-104	198545	TRUE
UA-CON-C3	Condenser (Chiller #3)	UA-1002	87	595895	TRUE
UA-CONDT-01	Condensate Tank	UA-1001	UW12-C	132444	TRUE
UA-CONP-01	Condensate Pump #1	UA-1001	1.5E 4020-S	41049	TRUE
UA-CONP-01-STRN	Condensate Pump #1 Suction Strainer	UA-1001			TRUE
UA-CONP-02	Condensate Pump #2	UA-1001	1.5E 4020-S	41048	TRUE
UA-CONP-02-STRN	Condensate Pump #2 Suction Strainer	UA-1001			TRUE
UA-CONT-01	Lighting Contactor - Parking Lot	UA-2006			TRUE
UA-CONT-02	Lighting Contactor - MRI Sign	UA-2006			TRUE
UA-COOL-01	Cooling System (for Diesel Engine #1)	UA-1004			TRUE
UA-COUP-01	Coupler System (for Generator #1)	UA-1004			TRUE
UA-CTF-01	Fan (Cooling Tower #1) [South]	UA-ROOF			TRUE
UA-CTF-02	Fan (Cooling Tower #2) [Center]	UA-ROOF			TRUE
UA-CTF-03	Fan (Cooling Tower #3) [North]	UA-ROOF			TRUE
UA-CTP-01	Cooling Tower Pump #1	UA-1002	12x12x17 43TCZ	C563411	TRUE
UA-CTP-02	Cooling Tower Pump #2	UA-1002	KS1016AE2NC00000	Shop #349033/1	TRUE
UA-CTP-03	Cooling Tower Pump #3	UA-1002	12x12x13 4300	408080	TRUE
UA-CTR-01	Cooling Tower #1 (Chiller #1) [South]	UA-ROOF	142093-003-99	NCC263BM	TRUE

UA-CTR-02	Cooling Tower #2 (Chiller #2)	UA-ROOF	142093-003-99	NCC263BM	TRUE
UA-CTR-03	Cooling Tower #3 (Chiller #3) [North]	UA-ROOF	142093-004-99	NCC2638M	TRUE
UA-CTR-04	Glycol Cooler gland seal water	UA-ROOF	BFL24C-512V-T5A-001	122400967	TRUE
UA-CWET-01	Chilled Water Expansion Tank	UA-1001		17172	TRUE
UA-CWP-01	Chilled Water Pump #1	UA-1002	8G 4300	41047	TRUE
UA-CWP-02	Chilled Water Pump #2	UA-1002	KS1016AE2NC00000	Shop #349033/2	TRUE
UA-CWP-03	Chilled Water Pump #3	UA-1002			TRUE
UA-DHWP-01	Domestic Hot Water Pump #1	UA-1001	1-1/2E4020	41058	TRUE
UA-DHWP-02	Domestic Hot Water Pump #2	UA-1001	FI109E-7.80-2DA	C 13772	TRUE
UA-DHWP-03	DHWT- Recirculator Pump Tank #3	UA-1001	816032-000	9305A	TRUE
UA-DHWP-04	DHWT- Recirculator Pump Tank #2	UA-1001	H51S57	R8201	TRUE
UA-DHWP-05	DHWT- Recirculator Pump Tank #1	UA-1001	96405270 PI 9944	TP80-40/4B UGA-BU5E	TRUE
UA-DHWT-01	Domestic Hot Water Tank #1	UA-1001		225021	TRUE
UA-DHWT-02	Domestic Hot Water Tank #2	UA-1001		225020	TRUE
UA-DHWT-03	Domestic Hot Water Tank #3	UA-1001		GFH-6168	TRUE
UA-DP-01	Distribution Panel - LVSG (rear of switchgear)	UA-2006		25-02550	TRUE
UA-DP-02	Distribution Panel - LVSG (Chiller #2)	UA-2006	26-02550		TRUE
UA-DP-03	Distribution Panel (120/208) [DP-1]	UA-2006	037-02250	QMQB	TRUE
UA-DPE-01	Distribution Panel Emergency [EMG-DP-1]	UA-2006	CDP	38-02550	TRUE
UA-DPE-02	Distribution Panel Emergency (LVSG)	UA-2006	CDP	026-02550	TRUE
UA-DPE-03	Distribution Panel Emergency (near MCCs)	UA-1001	PRL 4	CLSU003296-026I-18	TRUE
UA-DPP-01	Dew Point Prop for Compressor #3	UA-1002	part #-J006-052	BE47-005	TRUE
UA-DPP-02	Dew Point Prop for Compressor #3	UA-1002	part #-J006-052	0D90-020	TRUE
UA-DSW-01	Disconnect Switch - Radiator Generator #5	UA-2006			TRUE
UA-DSW-02	Disconnect Switch - Radiator Generator #6	UA-2006			TRUE
UA-DSW-03	Disconnect Switch - Parking Garage	UA-2006	ID364NF		TRUE
UA-DSW-04	Disconnect Switch - OH Crane	UA-2006			TRUE
UA-DSW-05	Disconnect Switch - Not in Use	UA-2006	ID363NF		TRUE
UA-DSW-06	Disconnect Switch - Feed to Substation	UA-1001			TRUE
UA-DSW-07	Disconnect Switch (auto) - Fan Generator #6	UA-2006			TRUE
UA-DSW-08	Disconnect Switch (auto) - Fan Generator #6	UA-2006			TRUE
UA-DSW-09	Disconnect Switch (auto) - Fan Generator #6	UA-2006			TRUE
UA-DSW-10	Disconnect Switch (auto) - Fan Generator #5	UA-2006			TRUE
UA-DSW-11	Disconnect Switch (auto) - Fan Generator #5	UA-2006			TRUE
UA-DSW-12	Disconnect Switch (auto) - Fan Generator #5	UA-2006			TRUE
UA-DSW-13	Disconnect Switch (auto) - Compressor room Exhaust Fan	UA-1007			TRUE
UA-DSW-14	Disconnect Switch (auto) - Fuel Cooler Gen #5	UA-1007			TRUE
UA-DSW-15	Disconnect Switch (auto) - Fuel Cooler Gen #6	UA-1007			TRUE
UA-DSW-16	Disconnect Switch - Welding Exhaust fan	UA-1001			TRUE
UA-DSW-17	Disconnect Switch - Overhead door (west)	UA-1001			TRUE
UA-DSW-18	Disconnect Switch - Compressor 1	UA-1001	FK363		TRUE
UA-DSW-19	Disconnect Switch - Compressor 2	UA-1001	ID363NF		TRUE
UA-DSW-20	Disconnect Switch - BR #1 pump P-2.1	UA-1001			TRUE
UA-DSW-21	Disconnect Switch - BR #2 primary pump	UA-1001	ID363		TRUE
UA-DSW-22	Disconnect Switch - BR #3 pump P-2.3	UA-1001			TRUE
UA-DSW-23	Disconnect Switch (Auto) - Diesel Pump #1	UA-1001			TRUE
UA-DSW-24	Disconnect Switch (Auto) - Diesel DT Pump #2	UA-1001			TRUE
UA-DSW-25	Disconnect Switch (Auto) - Light Oil Pump #1	UA-1001			TRUE
UA-DSW-26	Disconnect Switch (Auto) - Light Oil Pump #2	UA-1001			TRUE
UA-DSW-27	Disconnect Switch (Auto) - Light Oil Pump #3	UA-1001			TRUE
UA-DSW-28	Disconnect Switch - Pump UA-FWP-02	UA-1001			TRUE
UA-DSW-29	Disconnect Switch - Pump UA-FWP-01	UA-1001			TRUE
UA-DSW-30	Disconnect Switch - Pump UA-FWP-03	UA-1001			TRUE
UA-DSW-31	Disconnect Switch - Pump UA-FWP-04	UA-1001			TRUE
UA-DSW-32	Disconnect Switch - Pump UA-COND-01	UA-1001			TRUE
UA-DSW-33	Disconnect Switch - Pump UA-COND-02	UA-1001			TRUE
UA-DSW-34	Disconnect Switch - Glycol Pump	UA-1001			TRUE
UA-DSW-35	Disconnect Switch - Gland Seal Pump	UA-1002			TRUE
UA-DSW-36	Disconnect Switch - Overhead door (east)	UA-1002	1226SN		TRUE
UA-DSW-37	Disconnect Switch - Roof Mounted Fluid Cooler	UA-2001			TRUE
UA-DSW-38	Disconnect Switch (Auto) - Pump LP-1	UA-2001			TRUE
UA-DSW-39	Disconnect Switch (Auto) - Pump LP-2	UA-2001			TRUE
UA-DSW-40	Disconnect Switch (Auto) - Pump HP-1	UA-2001			TRUE
UA-DSW-41	Disconnect Switch (Auto) - Pump HP-2	UA-2001			TRUE
UA-ECONS-01 OLD	Economizer System Transmitters and Switches (UA-HPB-01)	UA-1001			TRUE
UA-EF-01	Exhaust Fan (Deaerator Room UA-2001)	UA-ROOF	DYNAFAN LC-42		TRUE
UA-EF-02	Exhaust Fan (Electrical Room UA-2006) [West]	UA-ROOF	DYNAFAN LC-24		TRUE
UA-EF-03	Exhaust Fan (Electrical Room UA-2006) [East]	UA-ROOF	DYNAFAN LC-30		TRUE
UA-EF-04	Exhaust Fan (Washroom UA-2007)	UA-ROOF			TRUE
UA-EF-05	Exhaust Fan (Transformer Room UA-2006A) [East]	UA-ROOF			TRUE
UA-EF-07	Exhaust Fan (Electrical Room UA-2006) [East]	UA-ROOF			TRUE
UA-EF-08	Exhaust Fan (Workshop Welding Exhaust)	UA-1001			TRUE

UA-EF-09	Exhaust Fan (Washroom Downstairs)	UA-1001A	12-W	Type REX	TRUE
UA-EF-10X	Exhaust Fan (over Chiller Room main door South)	UA-1002	SIZE:52F		TRUE
UA-EF-11X	Exhaust Fan (over Chiller Room main door North)	UA-1002	SIZE:52F		TRUE
UA-EF-12	Exhaust Fan (Chemical Station Exhaust)	UA-1 FLOOR			TRUE
UA-EF-13	1/3 HP Exhaust Fan - Tank Farm	UA-TANKFARM		XX56017G5524J	TRUE
UA-ELE-01	Electrical Meter - HVSG-A	UA-2006	ION7330		TRUE
UA-ELE-02	Electrical Meter - HVSG-B	UA-2006	ION7330		TRUE
UA-ELE-03	Electrical Meter - ARC	UA-2006	ION7330		TRUE
UA-ELE-04	Electrical Meter - Sub #2 HSC	UA-2006	ION7330		TRUE
UA-ELE-05	Electrical Meter - Sub #5 HSC	UA-2006	ION7330		TRUE
UA-ELE-06	Electrical Meter - FOM	UA-2006	ION7330		TRUE
UA-ELE-07	Electrical Meter - Transformer #1 (UA/PG)	UA-2006	ION7330		TRUE
UA-ELE-08	Electrical Meter - Transformer #2 (Chiller 2)	UA-2006	ION7330		TRUE
UA-ELE-09	Electrical Meter - Transformer #3 (Chiller 1)	UA-2006	ION7330		TRUE
UA-ELE-10	Electrical Meter - Transformer #4 (Chiller 3)	UA-2006	ION7330		TRUE
UA-ELE-11	Electrical Meter - Parking Garage	UA-2006	ION7330		TRUE
UA-ELECT-01A	Electrical System (for Diesel Generator #1)	UA-1004			TRUE
UA-ELECT-01B	Electrical System (for Generator #1)	UA-1004			TRUE
UA-EMG-01	Power Panel Emergency (347/600) [U2E2A]	UA-2006	NHDP	035-02550	TRUE
UA-EMG-02	Power Panel Emergency [U2E1A]	UA-2006	NBLP 24-4L		TRUE
UA-EMG-03	Power Panel Emergency [U2E1B]	UA-2006	ANLB		TRUE
UA-EMG-04	Power Panel Emergency [U2E1C]	UA-2006	QL424125		TRUE
UA-EMG-05	Power Panel Emergency	UA-1004	Job #87-101670		TRUE
UA-EMG-06	Power Panel Emergency (near MCCs)	UA-1001	P1AL4A2-60		TRUE
UA-EMG-07	Power Panel Emergency	UA-1007	12366517120260001		TRUE
UA-EMG-08	Power Panel Emergency	UA-1001	Series T3B	QO-30M2	TRUE
UA-EMG-09	Power Panel Emergency (347/600) [U2E2B]	UA-2001	Pow-R-Line 3a	87-22846P	TRUE
UA-ENG-01	Engine (for Diesel Generator #1)	UA-1004			TRUE
UA-ESC-01 (old)	Exhaust System Components (UA-HPB-01)	UA-1001			TRUE
UA-ESC-03	Exhaust System Components (UA-HPB-03)	UA-1001			TRUE
UA-ESC-04	Exhaust System Components (UA-HPB-04)	UA-1001			TRUE
UA-ESCS-01 (old)	Exhaust System Transmitters and Switches (UA-HPB-01)	UA-1001			TRUE
UA-EVAP-C1	Evaporator (Chiller #1)	UA-1002	19CB513-204	730044	TRUE
UA-EVAP-C2	Evaporator (Chiller #2)	UA-1002	19CB513-204	198544	TRUE
UA-EVAP-C3	Evaporator (Chiller #3)	UA-1002	87	595894	TRUE
UA-FAP-01	Fire Alarm Panel (Stairwell at Control Room Level 1)	UA-1S03	EST		TRUE
UA-FDF-02	Forced Draft Fan (UA-HPB-02)	UA-1001		10581	TRUE
UA-FDF-03	Forced Draft Fan (UA-HPB-03)	UA-1001		10581	TRUE
UA-FDF-04	Forced Draft Fan (UA-HPB-04)	UA-1001			TRUE
UA-FDS-01	Fused Disconnect Switch (Transformer #T1)	UA-2006	01-01838	I.S.5091	TRUE
UA-FDS-02	Fused Disconnect Switch (Transformer #2)	UA-2006	01-01838	I.S.5108	TRUE
UA-FDS-03	Fused Disconnect Switch (Transformer #3)	UA-2006	01-01838	I.S.5115	TRUE
UA-FDS-04	Fused Disconnect Switch (Transformer #4)	UA-2006		SM99A550	TRUE
UA-FFH-04	Electric Forced Flow Heater (Electrical Room)	UA-2006B			TRUE
UA-FFH-06 (OLD)	Forced Flow Heater (Work Shop)	UA-1001			TRUE
UA-FFH-13	Forced Flow Heater (NE of Chiller Room UA-1002)	UA-1002	84H	584311	TRUE
UA-FFH-14	Forced Flow Heater (SE of Chiller Room UA-1002)	UA-1002	84H	584314	TRUE
UA-FFH-15	Forced Flow Heater (SW of Chiller Room UA-1002)	UA-1002	84H	584320	TRUE
UA-FFH-16	Forced Flow Heater (NW of Chiller Room UA-1002)	UA-1002	84H	584361	TRUE
UA-FFH-17	Steam FFH in Old Gen Room	UA-1004	HSB165SB01SA	43103819-5307	TRUE
UA-FFH-18	Forced Flow Heater in Old Gen Room	UA-1004	HSB165SB01SA	43103819-5308	TRUE
UA-FH-03	Spare Fuel Delivery Hose	UA-TANKFARM			TRUE
UA-FOP-01	Fuel Oil Pump (HP Boilers)	UA-1001	HL4195	8590740484	TRUE
UA-FOP-02	Light Oil Fuel Pump (HP Boilers)	UA-1001	35HC1131		TRUE
UA-FOP-03	Light Oil Fuel Pump (HP Boilers)	UA-1001	35HC1131	12282676	TRUE
UA-FP-DT1	Fuel Pump (Day Tanks)	UA-1001		F18676	TRUE
UA-FP-DT2	Fuel Pump (Day Tanks)	UA-1001			TRUE
UA-FTP-01	Fuel Transfer Pump (Day Tanks)	UA-1001		F18676	TRUE
UA-FTP-02	Fuel Transfer Pump (Day Tanks)	UA-1001			TRUE
UA-FUEL-01	Fuel System (for Diesel Generator #1)	UA-1004			TRUE
UA-FWC-HP3	Controller - Feedwater (UA-HPB-03)	UA-1001	W-254		TRUE
UA-FWC-HP4	Controller - Feedwater (UA-HPB-04)	UA-1001	B24-1B10-AAP	475495-01-001	TRUE
UA-FWP-01	High Pressure Feedwater Pump #1	UA-1001		CL4210294	TRUE
UA-FWP-02	High Pressurre Feedwater Pump #2	UA-1001	EVMUL 10 10	CM8230033	TRUE
UA-FWP-03	Low Pressure Feedwater Pump	UA-1001	B 33000063 P10326US192	CR15-30 U-G-H-HUUE	TRUE
UA-FWP-04	Low pressure Feedwater Pump	UA-1001	B 33000063 P10306US313	CR15-30 U-G-H-HUUE	TRUE
UA-GEN-03	Diesel Generator #3	UA-1004	QSK60-G6	63435-290	TRUE
UA-GEN-05	Diesel Generator #5 (HMI)	UA-1007	QSK60-G6	33207162	TRUE

UA-GEN-06	Diesel Generator #6 (HMI)	UA-1007	QSK60-G6	33207156	TRUE
UA-GEN-08	Mobile Electrical Generator	UA-GR	DS00500D6SNAH1484	341581-1-1-0112	TRUE
UA-GSP-01	Pump (Gland Seal)	UA-1002	816366-041		TRUE
UA-HEX-GS1	Heat Exchanger (Gland Seal Water)	UA-1002			TRUE
UA-HPB-01	High Pressure Boiler #1	UA-1001	70DS250	27046	TRUE
UA-HPB-02	High Pressure Boiler #2	UA-1001	70-DS-250	36-093	TRUE
UA-HPB-03	High Pressure Boiler #3	UA-1001	70 DS 250	47669 (30 061)	TRUE
UA-HPB1-ASDPV	Atomizing Steam / Fuel Differential Pressure Regulating Valve(UA-HPB1)	UA-1001	63CD	1083317A	TRUE
UA-HPB1-ASFS	Low Atomizing Steam Flow Switch 204 (UA-HPB1)	UA-1001	A36		TRUE
UA-HPB1-ASPRV	Atomizing Steam Pressure Reducing Valve (UA-HPB1)	UA-1001	60	1085633B	TRUE
UA-HPB1-ASPS	Low Atomizing Steam Pressure Switch203 UA-HPB1)	UA-1001	A36		TRUE
UA-HPB1-AUXLWCO	Drum Low Water Alarm and Cut-Out (UA-HPB1)	UA-1001	EA100D		TRUE
UA-HPB1-BCP-01X	Boiler Control Panel (UA-HPB1)	UA-1001	PLC0734	27052008	TRUE
UA-HPB1-BURNER	Burner Gun CF8N (UA-HPB1)	UA-1001	WB.1.25.LFGR		TRUE
UA-HPB1-CA/FT-01	Combustion Air Flow Transmitter501 (UA-HPB1)	UA-1001	7MF4033	94111111	TRUE
UA-HPB1-CV-10	Control Valve (Feedwater UA-HPB1)	UA-1001	YT-1000LDm222	1A0070	TRUE
UA-HPB1-CV-11	HTHW Control Valve to Exchanger (UA-HPB1)	UA-1001		18321570	TRUE
UA-HPB1-CV-21	Control Valve (Fuel UA-HPB1)	UA-1001		1A0090	TRUE
UA-HPB1-CVACT	Feedwater Valve Actuator CV10- (UA-HPB1)	UA-1001		1A0070	TRUE
UA-HPB1-DCF-01	Damper Control - Forced Draft Fan (UA-HPB1)	UA-1001		08W006268	TRUE
UA-HPB1-ECBP	Economizer BypassControl Valve	UA-1001		4v0109	TRUE
UA-HPB1-ECON	Economizer (UA-HPB1)	UA-1001		20087016	TRUE
UA-HPB1-ECON/PS	Economizer Differential Switch515 (UA-HPB1)	UA-1001	JD-2		TRUE
UA-HPB1-ECON-MSEP	Moisture Seperator	UA-1001		PV-074	TRUE
UA-HPB1-FDB	HPB1 Forced Draft Breeching	UA-1001			TRUE
UA-HPB1-FDF	Forced Draft Fan (UA-HPB1)	UA-1001		282000	TRUE
UA-HPB1-FGB	HPB1 Flue Gas Breeching	UA-1001			TRUE
UA-HPB1-FOPS	Burner Low Oil Pressure Switch305 (UA-HPB1)	UA-1001	A36		TRUE
UA-HPB1-FSV-01	Burner Fuel Solenoid Valve - Maxon Hydromotor#2 (UA-HPB1)	UA-1001	1" 4760 3 1	08A492008	TRUE
UA-HPB1-FSV-02	Burner Fuel Solenoid Valve - MAXON Hydromotor#1(UA-HPB1)	UA-1001	1" 4760 S1	08A492007	TRUE
UA-HPB1-FT	Feedwater Temperature(Tag : BLR1-TT-702)	UA-1 FLOOR			TRUE
UA-HPB1-HEX-01	HTHW Heat Exchanger(UA-HPB1)	UA-1001			TRUE
UA-HPB1-HEX-01-MSEP	Moisture Seperator	UA-1001		262	TRUE
UA-HPB1-HI/STM/PS-01	High Steam Pressure Switch603 (UA-HPB1)	UA-1001			TRUE
UA-HPB1-HTHW/FT-02	HTHW FLOW TRANSMITTER (Inlet to Economizer)	UA-1 FLOOR		0055229	TRUE
UA-HPB1-MTR-FD1	Motor - Forced Draft Fan #1 (UA-HPB1)	UA-1001	05018ET3H326T		TRUE
UA-HPB1-PRP-01	Primary Pump #1 HP Boiler (UA-HPB1)	UA-1001			TRUE
UA-HPB1-PRP-MTR	Motor - Primary Pump #1 HP Boiler(UA-HPB1)	UA-1001			TRUE
UA-HPB1-WBX	Wind Box (UA-HPB1)	UA-1001	Catalogue # C816-1		TRUE
UA-HPB1-WCOL	Water Column (UA-HPB1)	UA-1001			TRUE
UA-HPB2-DCF-02	#2 FD Fan Damper Controller(HPB2)	UA-1001	UP10C00000	3K620000197559	TRUE
UA-HPB2-ECON	Economizer (UA-HPB2)	UA-1001			TRUE
UA-HPB2-HEX-02	HTHW Heat Exchanger(UA-HPB2)	UA-1001			TRUE
UA-HPB2-PRP-02	Primary Pump #2 HP Boiler (UA-HPB2)	UA-1001		E734H230	TRUE
UA-HPB2-PRP-MTR	Motor-Primary Pump #2 HP Boiler(UA-HPB2)	UA-1001	8J42		TRUE
UA-HPB3-DCF-03	Damper Control - Forced Draft Fan (UA-HPB3)	UA-1001		29202	TRUE
UA-HPB3-ECON	Economizer (UA-HPB3)	UA-1001			TRUE
UA-HPB3-HEX-03	HTHW Heat Exchanger for UA-HPB3	UA-1001		11-1004	TRUE
UA-HPB3-PRP-03	Primary Pump #3 HP Boiler(UA-HPB3)	UA-1001		73-B-1533X2	TRUE
UA-HPB3-PRP-MTR	Motor - Primary Pump #3 HP Boiler(UA-HPB3)	UA-1001		82040	TRUE
UA-HRU-01	Heat Recovery Unit (Control Room UA-1005)	UA-1001			TRUE
UA-HSC-01	HTHW System Components (UA-HPB-01)	UA-1001			TRUE
UA-HSC-03	HTHW System Components (UA-HPB-03)	UA-1001			TRUE
UA-HTET-01	HTHW Expansion Tank #1	UA-1001		17171	TRUE
UA-HTET-02	HTHW Expansion Tank #2	UA-1001		17170	TRUE
UA-HTHWBP-01	High Temp Hot Water Booster Pump#1	UA-1002	3700LA	6M02A626-2	TRUE
UA-HTHWBP-02	High Temp Hot Water Booster Pump#2	UA-1002	3700LA	6M02A626-3	TRUE
UA-HTHWBP-03	High Temp Hot Water Booster Pump#3	UA-1002	3700LA	6M02A626-1	TRUE
UA-HVACB-01	MAIN BREAKER (UA-MUN-01)	UA-2006		3007249052-200-12-01B	TRUE
UA-HVACB-02	MAIN BREAKER (UA-MUN-08)	UA-2006		3007249052-300-12-03B	TRUE
UA-HVACB-03	MAIN BREAKER (UA-MUN-26)	UA-2006		3007249052-200-12-03B	TRUE

UA-HVACB-04	MAIN BREAKER (UA-MUN-23)	UA-2006		3007249052-300-12-01B	TRUE
UA-HVACB-05	Air Circuit Breaker (Line A)	UA-2006	01-01838		TRUE
UA-HVACB-06	Air Circuit Breaker (Line B)	UA-2006	01-01838		TRUE
UA-HVACB-07	Air Circuit Breaker (Line A)	UA-2006	01-01838		TRUE
UA-HVACB-08	Air Circuit Breaker (Line B)	UA-2006	01-01838		TRUE
UA-HVACB-09	Air Circuit Breaker (Line A)	UA-2006			TRUE
UA-HVACB-10	Air Circuit Breaker (Line B)	UA-2006			TRUE
UA-HVACB-11	Air Circuit Breaker (Emergency) - Utilities Annex	UA-2006			TRUE
UA-HVACB-12	Air Circuit Breaker (Emergency) - Molecular Imaging	UA-2006			TRUE
UA-HVACB-13	Air Circuit Breaker (Emergency) - from Generator #5	UA-2006			TRUE
UA-HVACB-14	Air Circuit Breaker (Emergency) - Transformer in Sub#3	UA-2006			TRUE
UA-HVACB-15	Air Circuit Breaker (Emergency) - Tie Breaker	UA-2006			TRUE
UA-HVACB-16	Air Circuit Breaker (Emergency) - Load Bank	UA-2006			TRUE
UA-HVACB-17	Air Circuit Breaker (Emergency) - from Generator #6	UA-2006			TRUE
UA-HVACB-18	Air Circuit Breaker (Emergency) - Transformer in Sub#4	UA-2006			TRUE
UA-HVACB-19	Air Circuit Breaker (Emergency) - Future Use	UA-2006			TRUE
UA-HVC-01	High Voltage Cubical - UA-TS-01	UA-2006			TRUE
UA-HVC-02	High Voltage Cubical - UA-TS-02	UA-2006			TRUE
UA-HVC-03	High Voltage Cubical - ARC Loop	UA-2006			TRUE
UA-HVC-04	High Voltage Cubical - Sub #2 HSC	UA-2006			TRUE
UA-HVC-05	High Voltage Cubical - Sub #5 HSC	UA-2006	LL15226	37131436-001	TRUE
UA-HVC-06	High Voltage Cubical - HVSG-B	UA-2006	MasterClad	37131436-002	TRUE
UA-HVC-07	Metering Cubicle - HVSG-A	UA-2006			TRUE
UA-HVC-08	Metering Cubicle - HVSG-B	UA-2006			TRUE
UA-HVCE-01	High Voltage Cubical (Emergency) - Utilities Annex	UA-2006		36651712-001	TRUE
UA-HVCE-02	High Voltage Cubical (Emergency) - Molecular Imaging	UA-2006		36651712-001	TRUE
UA-HVCE-03	High Voltage Cubical (Emergency) - Voltage Transformer	UA-2006		36651712-001	TRUE
UA-HVCE-04	High Voltage Cubical (Emergency) - from Generator #5	UA-2006		36651712-001	TRUE
UA-HVCE-05	High Voltage Cubical (Emergency) - Transformer in Sub#3	UA-2006		36651712-001	TRUE
UA-HVCE-06	High Voltage Cubical (Emergency) - Tie Breaker	UA-2006		36651712-001	TRUE
UA-HVCE-07	High Voltage Cubical (Emergency) - Load Bank	UA-2006		36651712-001	TRUE
UA-HVCE-08	High Voltage Cubical (Emergency) - Instrument Compartment	UA-2006		36651712-001	TRUE
UA-HVCE-09	High Voltage Cubical (Emergency) - Voltage Transformer	UA-2006		36651712-001	TRUE
UA-HVCE-10	High Voltage Cubical (Emergency) - from Generator #6	UA-2006		36651712-001	TRUE
UA-HVCE-11	High Voltage Cubical (Emergency) - Transformer in Sub#4	UA-2006		36651712-001	TRUE
UA-HVCE-12	High Voltage Cubical (Emergency) - Future Use	UA-2006		36651712-001	TRUE
UA-HVCE-13	High Voltage Cubical (Emergency) Load Break Switch (with LVSG)	UA-2006	Dwg #6181C64	Order #86F7572	TRUE
UA-HVGCB-01	HV Breaker - Old Generator feed to Load Bank	UA-2006			TRUE
UA-HVGCB-02	HV Breaker - New Generator feed to Load Bank	UA-2006			TRUE
UA-HVGCB-03	MV Breaker - Rad for Generator #5	UA-2006			TRUE
UA-HVGCB-04	MV Breaker - Rad for Generator #6	UA-2006			TRUE
UA-HVSG-A	High Voltage Switch Gear Cubicle (Line A)	UA-2006		01-01838	TRUE
UA-HVSG-B	High Voltage Switch Gear Cubicle (Line B)	UA-2006			TRUE
UA-HVTR-01	High Voltage Transformer (T1)	UA-2006A	158557	DB00G-42	TRUE
UA-HVTR-02	High Voltage Transformer (T2) [Chiller #2]	UA-2006A	158557	DB00G-42	TRUE
UA-HVTR-03	High Voltage Transformer (T3) [Chiller #1]	UA-2006A	158557	DB00G-28	TRUE
UA-HVTR-04	High Voltage Transformer [T4] [Chiller #3]	UA-2006A	158557	DB99G27	TRUE
UA-LB-01X	Load Bank (Outside rear of Annex)	UA-EXT			TRUE
UA-LBP-01	Load Bank Panel	UA-2006	LB5 Series	35851-99-44	TRUE
UA-LBP-02	Load Bank Panel (Selector Switch)	UA-2006	HVL		TRUE
UA-LLC-C1	Liquid Level Controller (Condensate Tank)	UA-1001			TRUE
UA-LLC-D01	Liquid Level Controller (Deaerator)	UA-2001			TRUE
UA-LLC-M01	Liquid Level Controller (Make Up Tank)	UA-1001		566790	TRUE
UA-LP-01	Lighting Panel (347/600) [LP-1]	UA-2006	QOL 420	61718 Series T2	TRUE
UA-LP-02	Lighting Panel (MRI Sign) [LP-2]	UA-2006	BL8	7323	TRUE
UA-LP-03	Lighting Panel (347/600) [U2N2A]	UA-2006	NHDP	035-02550	TRUE

UA-LP-04	Lighting Panel (HSC Tunnel Lighting) [U1N2B]	UA-1001	NHDP		TRUE
UA-LP-05	Lighting Panel (SC Tunnel Lighting) [U1N2C]	UA-1002	NHDP		TRUE
UA-LPB-01	Low Pressure Boiler #1 (unfired)	UA-2001		225019	TRUE
UA-LPB-02	Low Pressure Boiler #2 (unfired)	UA-2001		225018	TRUE
UA-LUBE-01	Lube System (for Diesel Generator #1)	UA-1004			TRUE
UA-LUP-01	Pump (Recirc for High Pressure Boilers Layup)	UA-1001	810119		TRUE
UA-LUP-02	Pump (Recirc for Low Pressure Boilers Layup)	UA-2001	S25S	7901	TRUE
UA-LVC-01	Low Voltage Cubical - LVSG (Blank)	UA-2006		27-02550	TRUE
UA-LVC-02	Low Voltage Cubical - LVSG (fed from TRF #3 ACB)	UA-2006		27-02550	TRUE
UA-LVC-03	Low Voltage Cubical - LVSG (Supply Chiller #1 ACB)	UA-2006		27-02550	TRUE
UA-LVC-04	Low Voltage Cubical - LVSG (Fed from TRF #2 ACB)	UA-2006		25-02550	TRUE
UA-LVC-05	Low Voltage Cubical - LVSG (Chiller #2 ACB)	UA-2006		25-02550	TRUE
UA-LVC-06	Low Voltage Cubical - LVSG (blank)	UA-2006		25-02550	TRUE
UA-LVC-07	Low Voltage Cubical - LVSG (blank)	UA-2006		25-02550	TRUE
UA-LVC-08	Low Voltage Cubical - LVSG (Tie Breaker ACB)	UA-2006		25-02550	TRUE
UA-LVC-09	Low Voltage Cubical - LVSG (Blank)	UA-2006		25-02550	TRUE
UA-LVC-10	Low Voltage Cubical - LVSG (Fed from TRF #1 ACB)	UA-2006		25-02550	TRUE
UA-LVC-11	Low Voltage Cubical - LVSG (Annex Essential Switchgear ACB)	UA-2006		25-02550	TRUE
UA-LVC-12	Low Voltage Cubical - LVSG (MCC-N1 ACB)	UA-2006		25-02550	TRUE
UA-LVC-13	Low Voltage Cubical - LVSG (Chiller #3 ACB)	UA-2006		CALU0310	TRUE
UA-LVCE-01	Low Voltage Cubical (Emergency LVSG) GB-5A	UA-2006	Order #08B5894	Design #08-5129-84	TRUE
UA-LVCE-02	Low Voltage Cubical (Emergency LVSG) - Blank	UA-2006	Order #08B5894	Design #08-5129-84	TRUE
UA-LVCE-03	Low Voltage Cubical (Emergency LVSG) - Not in Use	UA-2006			TRUE
UA-LVCE-04	Low Voltage Cubical (Emergency LVSG) - Not in Use	UA-2006			TRUE
UA-LVCE-05	Low Voltage Cubical (Emergency LVSG) - UA-DPE-03 ACB	UA-2006			TRUE
UA-LVCE-06	Low Voltage Cubical (Emergency LVSG) - UA-MCC-01 ACB	UA-2006			TRUE
UA-MCC-01	Motor Control Panel (Boilers #1&4/Pumps/Fans/Misc)	UA-1001	Series 2100		TRUE
UA-MCC-02	Motor Control Panel (Boiler #2/Pumps/Fans)	UA-1001	Series 2100		TRUE
UA-MCC-03	Motor Control Panel (Boiler #3/Pumps)	UA-1001	Series 2100		TRUE
UA-MCC-N1	Motor Control Panel (Chiller Pumps/Fans/Misc) [MCC N1]	UA-1002	Dia #CC-102451	73-02-001	TRUE
UA-MEGGER-01	Insulation Tester	UA-2004	MIT310EN	MIT310EN101611653	TRUE
UA-MTR-BP1	Motor for Booster Pump #1	UA-1002		PDP7182305001	TRUE
UA-MTR-BP2	Motor for Booster Pump #2	UA-1002		WC E7179743003	TRUE
UA-MTR-BP3	Motor for Booster Pump #3	UA-1002		PDP7182305002	TRUE
UA-MTR-C01	Motor (for Atlas-Copco Air Compressor UA-COMP-01)	UA-1001			TRUE
UA-MTR-C02	Motor (for Atlas-Copco Air Compressor UA-COMP-02)	UA-2006B			TRUE
UA-MTR-CT1	Motor (Cooling Tower Pump #1)	UA-1002	Cat #PDH06006TE5N	GR7067328002	TRUE
UA-MTR-CT2	Motor (Cooling Tower Pump #2)	UA-1002	Spec #16E416W715G1	C1008240963	TRUE
UA-MTR-CT3	Motor (Cooling Tower Pump #3)	UA-1002	6E 365TTDS8735AN W	P/N432223-068	TRUE
UA-MTR-CTF1	Motor (Cooling Tower Fan #1) [South]	UA-ROOF	6C 405TTFS7263A		TRUE
UA-MTR-CTF2	Motor (Cooling Tower Fan #2) [Center]	UA-ROOF	6C 405TTFS7263A		TRUE
UA-MTR-CTF3	Motor (Cooling Tower Fan #3) [North]	UA-ROOF	6C 405TTFS7263A		TRUE
UA-MTR-CW1	Motor (Chilled Water Pump #1)	UA-1002		1-19S7128	TRUE
UA-MTR-CW2	Motor (Chilled Water Pump #2)	UA-1002	Spec #44F014W176G1	C1008041068	TRUE
UA-MTR-CW3	Motor (Chilled Water Pump #3)	UA-1002		C07 98078554-001R-01	TRUE
UA-MTR-FD2	Motor - Forced Draft Fan #2 (UA-HPB-02)	UA-1001		05729/4	TRUE
UA-MTR-FD3	Motor - Forced Draft Fan #3 (UA-HPB-03)	UA-1001		057293	TRUE
UA-MTR-FD4	Motor - Forced Draft Fan #4 (UA-HPB-04)	UA-1001	6VE 365 TTDS4361 AN W	994-16188	TRUE
UA-MUN-01	High Voltage Switchgear (Source Selection Switch)	UA-2006	GM-SG	3007249052-200	TRUE
UA-MUN-08	High Voltage Switchgear (Source Selection Switch)	UA-2006	GM-SG	3007249052-300	TRUE
UA-MUN-23	High Voltage Switchgear (Source Selection Switch)	UA-2006	GM-SG	3007249052-300	TRUE
UA-MUN-26	High Voltage Switchgear (Source Selection Switch)	UA-2006	GM-SG	3007249052-200	TRUE

UA-MUP-01	Make Up Water Pump #1	UA-1001	A96083196-P10515438	Type CR3-21 AFGJ-A-E-HQQE	TRUE
UA-MUP-02	Make Up Water Pump #2	UA-1001	H5TS-BFD	77-06276	TRUE
UA-MUT-01	Make Up Water Tank	UA-1001		FM-17180	TRUE
UA-NEWHX-01	HEX with Elec BLR #1 (Not in service)	UA-1001		15903-1-1	TRUE
UA-NGR-01	Neutral Ground Resistor - UA-GEN-05	UA-1004	NGR2400-200-10S/CT/2B/IR	46126-1	TRUE
UA-NGR-02	Neutral Ground Resistor - UA-GEN-06	UA-1004	NGR2400-200-10S/CT/2B/IR	46126-2	TRUE
UA-NGR-04	Neutral Ground Resistor - UA-GEN-05	UA-1004			TRUE
UA-OILSEP-01	Oil/Water Separator for Atlas Compressors	UA-1001	ES2500		TRUE
UA-OILSEP-02	Compressor Oil/Water Separator	UA-1002	4022483		TRUE
UA-OILSEP-03	Oil Water Separator (near Tank Farm underground)	UA-EXT		04221	TRUE
UA-OVHD-E1	Overhead Door - Size 10' x 12' [East]	UA-1002	H5011	135251	TRUE
UA-OVHD-W1	Overhead Door - Size 14' x 20' [West]	UA-1001			TRUE
UA-OXS-02	O2 Analyzer (UA-HPB-02)	UA-1001	ZFK8		TRUE
UA-OXS-03	Oxygen Sensor (UA-HPB-03)	UA-1001		8G4012T	TRUE
UA-OXS-04	Oxygen Sensor (UA-HPB-04)	UA-1001			TRUE
UA-PANL-C01	Control Panel (Chiller #1 CHLR-01)	UA-1002			TRUE
UA-PANL-C02	Control Panel (Chiller #2 CHL-02)	UA-1002			TRUE
UA-PANL-C03	Control Panel (Chiller #3 CHLR-03)	UA-1002			TRUE
UA-PANL-FWP	Control Panel (Feedwater Pumps)	UA-2001			TRUE
UA-PANL-G01	Generator Control Panel - Master & Gen #5	UA-2006	400 PCS	1239918	TRUE
UA-PANL-G02	Generator Control Panel - Gen #6 & Gen #3	UA-2006	400 PCS	1239918	TRUE
UA-PANL-G03	Generator Control Panel - Gen #4 & Gen #2	UA-2006	400 PCS	1239918	TRUE
UA-PANL-LPB	Control Panel (Low Pressure Boilers)	UA-2001			TRUE
UA-PANL-SYN	Synchronizing Panel	UA-2006			TRUE
UA-pH Meter 01	Portable pH Meter	UA-1001	pH Meter	2713652	TRUE
UA-pH Meter 02	Portable pH Meter	UA-1001	pH Meter	2415871	TRUE
UA-PLADR-01	6 Foot Step Ladder	UA-1001			TRUE
UA-PLADR-02	6 Foot Step Ladder	UA-1001			TRUE
UA-PLADR-03	8 Foot Step Ladder	UA-1001			TRUE
UA-PLADR-04	8 Foot Step Ladder	UA-1001			TRUE
UA-PLADR-05	16 Foot Step Ladder	UA-1001			TRUE
UA-PLADR-06	20 Foot Extension Ladder	UA-1001			TRUE
UA-PLADR-07	16 Foot Extension Ladder	UA-1001			TRUE
UA-PLADR-08	28 Foot Extension Ladder	UA-1001			TRUE
UA-PLADR-09	32 Foot Extension Ladder	UA-1001			TRUE
UA-PLADR-10	4 Foot Step Ladder	UA-1001	6904		TRUE
UA-PLADR-11	2 Foot Step Ladder	UA-1001	6906		TRUE
UA-PLADR-12	6 Foot Step Ladder	UA-1001	6906		TRUE
UA-PLADR-13	16 Foot Ext Ladder	UA-1001	6916		TRUE
UA-PLAT-01	Platform (Exterior Fuel Tanks)	UA-EXT			TRUE
UA-PLSW-01	Low Propane Pressure Switch403 (UA-HPB-01)	UA-1001			TRUE
UA-POTC-01	Pot Cooler for Booster Pump #1	UA-1002	CRN- OH03772.21356780	B11792-1	TRUE
UA-POTC-02	Pot Cooler for Booster Pump #2	UA-1002	CRN- OH03772.20	B11418-4	TRUE
UA-POTC-03	Pot Cooler for Booster Pump #3	UA-1002	CRN- OH03772.2	B11418-2	TRUE
UA-POTC-04	Pot Cooler for HTHW Sample	UA-1001	COHO3772.2	B11418-3	TRUE
UA-POTC-05	Pot Cooler for Primary Pump #1	UA-1001			TRUE
UA-POTC-06	Pot Cooler for Primary Pump #3	UA-1001	HF5-32		TRUE
UA-POTC-08	Pot Cooler for Primary Pump #2	UA-1001	70541-1		TRUE
UA-PP-01	Power Panel (120/208) [U2N1A]	UA-2006	NBLP 42-4L		TRUE
UA-PP-02	Power Panel (120/208) [2N1C]	UA-2006		87-101710	TRUE
UA-PP-03	Power Panel (347/600) [U2N]	UA-2006	NF442L2		TRUE
UA-PPT-01	Propane Pressure Transmitter400 (UA-HPB-01)	UA-1001	7MF4033	9410926	TRUE
UA-PROP-01	Propane Pressure Transmitter and Switches	UA-1001			TRUE
UA-PRV-01	Pressure Reducing Valve - Atomizing (UA-HPB-03)	UA-1001		1006558A	TRUE
UA-PRV-04	Pres. Reducing for 70lb Header	UA-2001	Type 997	F000114074	TRUE
UA-PRV-7X	PRESSURE REDUCING VALVE	UA-1001	TYPE:95H	1.12E+10	TRUE
UA-PRV-8X	PRESSURE REDUCING VALVE	UA-1001	TYPE:125.5		TRUE
UA-PRV-9X	PRV on Annex Aux Steam Supply	UA-2001			TRUE
UA-R01	Return Pipe Length from exchanger #4 to return header	UA-1001			TRUE
UA-R02	Return Pipe Length from exchanger #3 to return header	UA-1001			TRUE
UA-R03	Return Pipe Length from exchanger #2 to return header	UA-1001			TRUE
UA-R04	Return Pipe Length from exchanger #1 to return header	UA-1001			TRUE
UA-R05	Return Pipe Length of return header	UA-1001			TRUE
UA-R06	Return Pipe Length of return loop	UA-1001			TRUE
UA-R07	Return Pipe Length from return header to entrance to HSC Tunnel	UA-1001			TRUE

UA-R08	Return Pipe Length from return header to UA-1002	UA-1001			TRUE
UA-R09	Return Pipe Length in UA-1002 to entrance of SC tunnel	UA-1002			TRUE
UA-ROTR-01	Rotor System (for Generator #1)	UA-1004			TRUE
UA-RPL-01	Return Pipe Length from exchangers to entrance to SC tunnel	UA-1002			TRUE
UA-RV-04	Relief Valve Unit Heater Line	UA-2001	1511 J	7304465	TRUE
UA-RV-05	Relief Valve (Deaerator)	UA-2001	5262.1624	C11482747	TRUE
UA-RV-06	Relief Valve (Steam Supply to Deaerator)	UA-2001	26JA10-170	FAR-00886-A10	TRUE
UA-RV-07	Relief Valve - (DHW-01)	UA-1001	RVW 61		TRUE
UA-RV-08	Relief Valve - (DHW-02)	UA-1001	RVW 61		TRUE
UA-RV-09	Relief Valve - (DHW-03)	UA-1001	RVW60-10-608	NV 6226	TRUE
UA-RV-101	70psi steam Header Safety Valve #1	UA-2001		B10-34729	TRUE
UA-RV-102	70psi steam Header Safety Valve #2	UA-2001	5262.2333	11695947	TRUE
UA-RV-123	Relief Valve Low Pres Boiler #2	UA-2001	1543J-21	SD73993	TRUE
UA-RV-124	Relief Valve Low Pres Boiler #2	UA-2001	86-0000-0099	SD21549	TRUE
UA-RV-201	Relief Valve HP Boiler (200psi)	UA-1001	6252FMK01-AS	NV5834	TRUE
UA-RV-202	Relief Valve HP boiler (200psi)	UA-1001	6252FMK01-AS	NV 4606	TRUE
UA-RV-203 (OLD)	Relief Valve HP Boiler (200psi)	UA-1001	6252FLM01-AS	NV 315 Valve No. 1	TRUE
UA-RV-204	Relief Valve HP Boiler (200psi)	UA-1001	6252FLK01-AS0200	2012322692	TRUE
UA-RV-205	Relief Valve HP Boiler (200psi)	UA-1001			TRUE
UA-RV-206	Relief Valve HP Boiler (185psi)	UA-1001	151M-0-2-20	SA76321 Valve No 3	TRUE
UA-RV-207	Relief Valve HP boiler (200psi)	UA-1001	6252FMK01-AS	NV 3504	TRUE
UA-RV-211	Relief Valve HP Boiler (210psi)	UA-1001	6252FMK-01-AS	2059391-1-1	TRUE
UA-RV-212	Relief Valve HP Boiler (210psi)	UA-1001		NV5835	TRUE
UA-RV-213	Relief Valve HP Boiler (210psi)	UA-1001	6252FMK01-AS	NV 4607	TRUE
UA-RV-214	Relief Valve HP Boiler (210psi)	UA-1001	6252FMK01-AS	2079726-10-1	TRUE
UA-RV-221	Relief Valve HTHW Exchanger Steam Side (225psi)	UA-1001	910LJHM06AJE	NV 3500	TRUE
UA-RV-222	Relief Valve HTHW exchanger Steam side (225psi)	UA-1001	26JA12A-141	874200-1-A10	TRUE
UA-RV-223	Relief Valve HTHW Exchanger Steam side (225psi)	UA-1001	26LA11L-140	588113-1-A14	TRUE
UA-RV-23	Relief Valve (Chilled Water Expansion Tank)	UA-1001		73819	TRUE
UA-RV-24	Relief Valve (HTHW Expansion Tank #1)	UA-1001		61111	TRUE
UA-RV-25	Relief Valve (HTHW Expansion Tank #2)	UA-1001		60942	TRUE
UA-RV-26	Relief Valve (Air Receiver - Lower)	UA-1001	6000E		TRUE
UA-RV-27	Relief Valve (Air Receiver - Upper)	UA-1001			TRUE
UA-RV-28	Relief Valve (Light Oil Pump UA-LOFP-01)	UA-1001			TRUE
UA-RV-29	Relief Valve (Light Oil Pump UA-LOFP-02)	UA-1001			TRUE
UA-RV-30	Relief Valve (Diesel Fuel Pump UA-LOFP-04)	UA-1001			TRUE
UA-RV-302	Relief Valve HTHW Exchanger HW Side(300psi)	UA-1001	26LA12L-141	879438-1-A14	TRUE
UA-RV-303	Relief Valve HTHW Exchanger HW Side(300psi)	UA-1001	JLT-JBS-E-350	B11-49127	TRUE
UA-RV-304	Relief Valve HTHW Exchanger HW Side(300psi)	UA-1001		956543-1-A14	TRUE
UA-RV-305	Relief Valve HTHW Exchanger HW Side(300psi)	UA-1001	1910LC-1-33-LA	B125950-1-1	TRUE
UA-RV-31	Relief Valve (Diesel Fuel Pump UA-LOFP-05)	UA-1001			TRUE
UA-RV-34	Relief Valve (Flash Tank)	UA-2001	19MGFA015	8428134G3W	TRUE
UA-RV-35	Relief Valve (Flash Tank)	UA-2001	19MGFL15	71954	TRUE
UA-RV-36	Relief Valve (N2 Charging Header)	UA-1001	6010DCM01-KM		TRUE
UA-RV-37	Relief Valve (Condenser) #3 Chiller	UA-1002	306A		TRUE
UA-RV-38	Relief Valve (Condenser) #3 Chiller	UA-1002	306A		TRUE
UA-RV-39	Relief Valve (Condenser) #3 Chiller	UA-1002	306A		TRUE
UA-RV-40	Relief Valve (Condenser) #3 Chiller	UA-1002	306A		TRUE
UA-RV-41	Relief Valve (Evaporator) #3 Chiller	UA-1002	306A		TRUE
UA-RV-42	Relief Valve (Evaporator) #3 Chiller	UA-1002	306A		TRUE
UA-RV-43	Relief Valve (Evaporator) #3 Chiller	UA-1002	306A		TRUE
UA-RV-44	Relief Valve (Evaporator) #3 Chiller	UA-1002	306A		TRUE
UA-RV-45	Relief Valve(UA-LOFP-03)	UA-1001	0020-E01-MG		TRUE
UA-RV-451	Relief Valve HPB1 Econ (350 psi)	UA-1001	927BHG06ABE	NV 5062	TRUE
UA-RV-452	Relief Valve HPB2 Econ (450 psi)	UA-1001	927BFEM06ABE	NV 6340	TRUE
UA-RV-453	Relief Valve HPB3 Econ (450psi)	UA-1001		NV4978	TRUE
UA-RV-46	Relief Valve	UA-1 FLOOR	0020-C01-MG		TRUE
UA-RV-47	Relief Valve (Common Header, fuel LOP's)	UA-1 FLOOR		08374LJ	TRUE
UA-RV-48	Relief Valve #1 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-49	Relief Valve #1 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-50	Relief Valve #1 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-51	Relief Valve #1 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-52	Relief Valve #1 Chiller - Evaporator Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE

UA-RV-53	Relief Valve #1 Chiller - Evaporator Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-54	Relief Valve #1 Chiller - Evaporator Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-55	Relief Valve #1 Chiller - Evaporator Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-56	Relief Valve #2 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-57	Relief Valve #2 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-58	Relief Valve #2 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-59	Relief Valve #2 Chiller - Condenser Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-60	Relief Valve #2 Chiller - Evaporator Side Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-61	Relief Valve #2 Chiller - Evaporator Side Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-62	Relief Valve #2 Chiller - Evaporator Side Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-RV-63	Relief Valve #2 Chiller - Evaporator Side Side (185psi)	UA-1002	306A	Not Serial* 306-1x1-185	TRUE
UA-S01	Supply Pipe Length from exchanger #4 to supply header	UA-1001			TRUE
UA-S010	Supply Pipe Length from header to pump #1 to UA-1002	UA-1001			TRUE
UA-S011	Supply Pipe Length from UA-1001 Ceiling to Entrance of HSC tunnel	UA-1001			TRUE
UA-S012	Supply Pipe Length from UA-1002 to Entrance of SC tunnel	UA-1002			TRUE
UA-S02	Supply Pipe Length from exchanger #3 to supply header	UA-1001			TRUE
UA-S03	Supply Pipe Length from exchanger #2 to supply header	UA-1001			TRUE
UA-S04	Supply Pipe Length from exchanger #1 to supply header	UA-1001			TRUE
UA-S05	Supply Pipe Length from header to Primary diff. pressure. Valves	UA-1001			TRUE
UA-S06	Supply Pipe Length fr Primary diff. pressure. Valves to strainers	UA-1001			TRUE
UA-S07	Supply Pipe Length from strainers to secondary pump header	UA-1001			TRUE
UA-S08	Supply Pipe Length from header to pump #3 to ceiling of UA-1001	UA-1001			TRUE
UA-S09	Supply Pipe Length from header through pump #2 to supply lines	UA-1001			TRUE
UA-SAMCOOL-01	Water Sample Cooler	UA-1001			TRUE
UA-SB-02A	Furnace Soot Blower (UA-HPB-02)	UA-1001	G9B		TRUE
UA-SB-02B	Economizer Soot Blower (UA-HPB-02)	UA-1001	G9B		TRUE
UA-SB-03A	Soot Blower for #3 Furnace (UA-HPB-03)	UA-1001		321811-15-D-0006284	TRUE
UA-SB-03B	Soot Blower for #3 Economiser (UA-HPB-03)	UA-1001	K525	800846-0-K1WS54R	TRUE
UA-SB-04A	Soot Blower for #4 (Manual - Front) (UA-HPB-04)	UA-1001			TRUE
UA-SB-04B	Soot Blower for #4 (Manual - Rear) (UA-HPB-04)	UA-1001		334193-2048	TRUE
UA-SEN-01	Gas Detection Panel - Refrigerant for Chillers in UA-1002	UA-1001	Touchpoint Plus	K0189118380003	TRUE
UA-SF-01	Sand filter	AX-1000		7375.1	TRUE
UA-SF-02	Sand filter	AX-1000		5423.1	TRUE
UA-SF-07	Supply Fan (Compressors in UA-2006B)	UA-1007	990900 Domex	Cat #DX30B	TRUE
UA-SHWR-01	Combination Emergency Shower/Eyewash Unit	UA-1002	8330		TRUE
UA-SLID-025	HTHW Supply Line Slider (Sector 1)	TU-1001			TRUE
UA-SP-01	Sump Pump - Located where fuel lines enter building				TRUE
UA-SPKR-01	Stand Pipe	UA-1002			TRUE
UA-SPL-01	Supply Pipe Length from exchangers to entrance to SC tunnel	UA-1002			TRUE
UA-SSC-02	Steam System Components (UA-HPB-02)	UA-1001			TRUE
UA-SSC-03	Steam System Components (UA-HPB-03)	UA-1001			TRUE
UA-STACK	Smoke Stack	UA-STACK			TRUE
UA-STAT-01	Stator System (for Generator #1)	UA-1004			TRUE
UA-TC-01	Time Clock - Parking Lights	UA-2006	7100Z		TRUE
UA-TRAN-01	Transformer (Emergency) [TRAN-1]	UA-2006		6838-274	TRUE
UA-TRAN-02	Transformer (Normal) [TRAN-2]	UA-2006		6839-274	TRUE
UA-TRAN-03	Transformer (Annex Emergency Power)	UA-2006	87F0446	84TSF200	TRUE
UA-TRAN-04	Transformer - Rad for Generator #5	UA-2006		RYK-0004-229306	TRUE
UA-TRAN-05	Transformer - Rad for Generator #6	UA-2006		RYK-0003-229306	TRUE

UA-TRAN-06	Transformer (Emergency) near MCC-01	UA-1001	E-CD6C0045V HB6CXBA-006	D19J0224-256128	TRUE
UA-TRAN-07	Transformer (Emergency) above UA-EMG-07	UA-1007	215855		TRUE
UA-TRAP-01	Main Steam Trap for HVAC Unit Coils	UA-1001			TRUE
UA-TRAP-02	Steam Trap for upper Coil HVAC-02	UA-1001			TRUE
UA-TRAP-03	Steam Trap lower Coil HVAC-02	UA-1001			TRUE
UA-TRAP-04	Steam trap for FFH-04 in Elec Rm.	UA-2006B			TRUE
UA-TRAP-05	Steam Trap (Unit Heaters PRV)	UA-2001	TYPE: FT-75		TRUE
UA-TRAP-06	Steam Trap-70lb Line After PRV	UA-2001	TYPE: T75		TRUE
UA-TRAP-07	Steam Trap-70lb Line Before PRV	UA-2001	TYPE: 75T		TRUE
UA-TRAP-08	Steam Trap (Steam Line to Deaerator - Before Control Valve)	UA-2001	FT75		TRUE
UA-TRAP-09	Steam Trap (Steam Line to Deaerator - After Control Valve)	UA-2001	FT75		TRUE
UA-TRAP-10	Steam Trap (at Steam Header Level 2)	UA-2001			TRUE
UA-TRAP-11	Steam Trap (Control Rm locker Rm) FFH--05)	UA-1S03			TRUE
UA-TRAP-12	Steam Trap (Work Shop Unit Heater FFH-06)	UA-1001	WFT	97300	TRUE
UA-TRAP-13	Trap under Annex Steam Supply before PRV	UA-2001			TRUE
UA-TRAP-13 (OLD)	Steam Trap (at Air Compressor)	UA-1001	TYPE: FT-75		TRUE
UA-TRAP-14	Trap on Mud Drum Heat Supply	UA-1001	TYPE: 50930//B94		TRUE
UA-TRAP-15	Steam Trap (Drip Leg over GEN-04)	UA-1004	TYPE: FT-75		TRUE
UA-TRAP-16	Steam Trap Under PRV @HVAC 01	UA-1004			TRUE
UA-TRAP-17	Steam Trap on DHWT-01	UA-1004			TRUE
UA-TRAP-18	Steam Trap Under stairs in HSC tunnel	TU-1002			TRUE
UA-TRAP-21	Steam Trap (NE of Chiller Room UA-1002)	UA-1002			TRUE
UA-TRAP-22	Steam Trap for FFH 14 (SE of Chiller Room UA-1002)	UA-1002			TRUE
UA-TRAP-23	Steam Trap for FFH 15 (SW of Chiller Room UA-1002)	UA-1002			TRUE
UA-TRAP-24	Steam Trap for FFH 16 (NW of Chiller Room UA-1002)	UA-1001			TRUE
UA-TRAP-25	Steam Trap for FFH 13 (across from #3 Chiller)	UA-1002			TRUE
UA-TRAP-26	Trap for Steam Hose by Chiller 3 (overhead)	UA-1002			TRUE
UA-TRAP-29	Steam Trap at end of 40lb Steam Supply Line to Coils	UA-1001	TYPE: FT-30		TRUE
UA-TRAP-30	Steam Trap (Drip Leg for Heat Coil HVAC-01)	UA-1001	TYPE: FT-75		TRUE
UA-TRAP-31	Steam Trap (Drip Leg for Heat Coil HVAC-02)	UA-1001	TYPE: FT-75		TRUE
UA-TRAP-32	Steam Trap (Lower Coil HVAC-02)	UA-1001	TYPE: FT-75		TRUE
UA-TRAP-33	Steam Trap (Upper Coil HVAC-02)	UA-1001	TYPE: FT-30		TRUE
UA-TRAP-34	Steam Trap (above Air Compressor UA-COMP-01)	UA-1001			TRUE
UA-TRAP-35	Steam Trap on HPB#1 Mud Drum	UA-1001	J3X-10-/A	Y136254	TRUE
UA-TRAP-36	Steam Trap on HPB#2 Mud Drum	UA-1001	657		TRUE
UA-TRAP-37	Steam Trap on HPB#3 Mud Drum	UA-1001	J3S-X-10/A	ZA54000	TRUE
UA-TRAP-38	Steam Trap on FFH-17 in GEN Room	UA-1004	J3S-X-10/A	ZA54000	TRUE
UA-TRAP-39	Steam Trap on FFH 18 in GEN Room	UA-1004	J3S-X-10/A	ZA54000	TRUE
UA-TRAP-40	Steam Trap on 70lb PRV station	UA-1004			TRUE
UA-TS-01	High Voltage Switchgear (Source Selection Switch to HVSG-A)	UA-2006	GM-SG	3007249052-200	TRUE
UA-TS-02	High Voltage Switchgear (Source Selection Switch to HVSG-B)	UA-2006	GM-SG	3007249052-300	TRUE
UA-UPS-01	UPS for HPB1	UA-2002	SU3000XLCD	AGPS7957	TRUE
UA-UPS-02	UPS for HPB2	UA-1001	SU3000XLCD	AGPS7957	TRUE
UA-UPS-03	UPS for HPB3	UA-1001	SU3000XLCD	AGPS7957	TRUE
UA-UPS-04	UPS for Diesel Screens	UA-1001A			TRUE
UA-UPS-05	UPS for AEM Computer	UA-1001A			TRUE
UA-UPS-06	UPS for Booster Pump Screen	UA-1001A			TRUE
UA-VEH-01	Patrol Truck	UA-1 FLOOR	Colorado		TRUE
UA-VFD-02	#2 FD Fan VFD Controller	UA-1001	ACS880	1162801311	TRUE
UA-WBPT-01	Windbox Pressure Transmitter500 (UA-HPB-01)	UA-1001	7MF4033	9410912	TRUE
UA-WC-D01	Water Column (Deaerator)	UA-2001	N50		TRUE
UA-WC-HP2	Water Column (UA-HPB-02)	UA-1001			TRUE
UA-WC-HP3	Water Column (UA-HPB-03)	UA-1001	W350X-C9.5-FA17		TRUE
UA-WC-HP4	Water Column (UA-HPB-04)	UA-1001			TRUE
UA-WC-LP1	Water Column (UA-LPB-01)	UA-2001	W-251	529210	TRUE
UA-WC-LP2	Water Column (UA-LPB-02)	UA-2001	W25-1B10-ABD	1228374	TRUE
UA-WS-01	Water Softener #1	UA-1002		2979.1	TRUE
UA-WS-02	Water Softener #2	UA-1002		4015.1	TRUE
UA-WSC-03	Water System Components (UA-HPB-03)	UA-1001			TRUE

West Tower Equipment Info

Tag # contains WX-

Tag #	Description	Location ID	Model #	Serial #	Active
WX-AC-01	Air Conditioner (Cond. in 1008, Evap. in 1010)	WX-1008	C5G3ASHA	1211007	TRUE
WX-AC-02	Air Conditioner (Cond. in 1008, Evap. in 1005)	WX-1008	MCD36ALPH7S8746	Y12DB18058	TRUE
WX-AC-03	Air Conditioner (Cond. and Evap in 7000)	WX-7000	See Misc.		TRUE
WX-ATS-01	Automatic Transfer Switch	WX-1007	D07ATSC30100R5XC	676103-2	TRUE
WX-DHWH-01	Domestic Hot Water Heater ("Side Arm Heater")	WX-1008		W053269-04	TRUE
WX-DHWH-02	Domestic Hot Water Heater ("Side Arm Heater")	WX-1008		W053269-02	TRUE
WX-DHWH-03	Domestic Hot Water Heater ("Side Arm Heater")	WX-1008		W053269-03	TRUE
WX-DHWP-01	Domestic Hot Water Pump (Serving "Side Arm Heaters")	WX-1008	96313021 P11145		TRUE
WX-DHWP-02	Domestic Hot Water Pump (Serving "Side Arm Heaters")	WX-1008	96313021 P11145		TRUE
WX-DHWP-03	Domestic Hot Water Pump (Serving "Side Arm Heaters")	WX-1008	96313021 P11145		TRUE
WX-DHWP-04	Domestic Hot Water Recirculation Pump	WX-1008	UPS-40-240 F B		TRUE
WX-DHWP-05	Domestic Hot Water Recirculation Pump	WX-1008	UPS-40-240 F B		TRUE
WX-DHWT-01	Domestic Hot Water Tank (1 of 2)	WX-1008		7839.1	TRUE
WX-DHWT-02	Domestic Hot Water Tank (2 of 2)	WX-1008		7839.3	TRUE
WX-DP-01	Distribution Panel feeding panels and equipment in building	WX-1007			TRUE
WX-DP-03	Distribution Panel	WX-1008			TRUE
WX-DP-04	Distribution Panel	WX-2015A			TRUE
WX-DP-05	Distribution Panel	WX-5015A			TRUE
WX-DP-06	Distribution Panel	WX-7000			TRUE
WX-DPE-01	Emergency Panel	WX-1007			TRUE
WX-DPE-02	Emergency Distribution Panel	WX-2015A			TRUE
WX-DSW-01	Disconnect Switch (For Automatic Transfer Switch)	WX-1007			TRUE
WX-DSW-02	Disconnect Switch (Sump Pumps)	WX-1008			TRUE
WX-DSW-03	Disconnect Switch (Recirculating Pump WX-DHWP-01)	WX-1008			TRUE
WX-DSW-04	Disconnect Switch (Recirculating Pump WX-DHWP-02)	WX-1008			TRUE
WX-DSW-05	Disconnect Switch (Recirculating Pump WX-DHWP-03)	WX-1008			TRUE
WX-DSW-06	Disconnect Switch (Recirculating Pump WX-DHWP-04)	WX-1008			TRUE
WX-DSW-07	Disconnect Switch (Recirculating Pump WX-DHWP-05)	WX-1008			TRUE
WX-DSW-08	Disconnect Switch (Domestic Hot Water Heater WX-DHWH-01)	WX-1008			TRUE
WX-DSW-09	Disconnect Switch (Domestic Hot Water Heater WX-DHWH-02)	WX-1008			TRUE
WX-DSW-10	Disconnect Switch (Domestic Hot Water Heater WX-DHWH-03)	WX-1008			TRUE
WX-DSW-11	Disconnect Switch (Air Conditioner (WX-AC-01)	WX-1008			TRUE
WX-DSW-12	Disconnect Switch (Air Conditioner (WX-AC-02)	WX-1008			TRUE
WX-DSW-13	Disconnect Switch	WX-1005			TRUE
WX-DSW-14	Disconnect Switch (AC)	WX-1005			TRUE
WX-DSW-15	Disconnect Switch (WX-HVAC-01)	WX-7000			TRUE
WX-DSW-16	Disconnect Switch (WX-HVAC-02)	WX-7000			TRUE
WX-DSW-17	Disconnect Switch (WX-HVAC-03)	WX-7000			TRUE
WX-DSW-18	Disconnect Switch (WX-HU-01)	WX-7000			TRUE
WX-DSW-19	Disconnect Switch (WX-HU-02)	WX-7000			TRUE
WX-DSW-20	Disconnect Switch (WX-HU-03)	WX-7000			TRUE
WX-DSW-21	Disconnect Switch (Fan)	WX-7000			TRUE
WX-DSW-22	Disconnect Switch	WX-7000			TRUE
WX-DSW-23	Disconnect Switch (Fan)	WX-7000			TRUE
WX-DSW-24	Disconnect Switch - West Elevator	WX-7000A			TRUE
WX-DSW-25	Disconnect Switch - Elevator Lights	WX-7000A			TRUE
WX-EDO2230	Main Building Elevator	WX-1V01			TRUE
WX-EF-01	Exhaust Fan	WX-7000			TRUE
WX-EF-03	Exhaust Fan	WX-1008	100 SDB	132SD86002-00/0000702	TRUE
WX-EH-01	Electric Duct Heater (Inside WX-HVAC-01)	WX-7000	SC-CTPBUX	257169-003	TRUE
WX-EH-02	Electric Duct Heater (Inside WX-HVAC-02)	WX-7000	SC-CTPBUX	257169-001	TRUE
WX-EH-03	Electric Duct Heater (Inside WX-HVAC-03)	WX-7000	SC-CTPBUX	257169-002	TRUE
WX-EL-01	Emergency Light Pack	WX-1007			TRUE
WX-ELE-01	Shiwak Hall Electrical Meter	WX-1007	P7330A0B0B6E0A4A		TRUE

WX-EMG-02	Emergency Panel	WX-1007			TRUE
WX-EMG-04	Emergency Panel	WX-5015A			TRUE
WX-EMG-05	Emergency Panel	WX-5015A			TRUE
WX-EXP-01	Domestic Hot Water Expansion Tank	WX-1008			TRUE
WX-EXP-02	Domestic Hot Water Expansion Tank	WX-1008			TRUE
WX-EXP-03	Domestic Cold Water Expansion Tank (Water Main)	WX-1008			TRUE
WX-FFH-01	Forced Flow Heater	WX-1007	SHU0331CT	1612-04	TRUE
WX-FFH-02	Forced Flow Heater	WX-1008	SHU0231CT	1612-04	TRUE
WX-FFH-03	Forced Flow Heater	WX-1010	SHU0531CT	1612-04	TRUE
WX-FFH-04	Forced Flow Heater	WX-7000			TRUE
WX-FFH-05	Forced Flow Heater	WX-7000			TRUE
WX-FFH-06	Forced Flow Heater	WX-7000			TRUE
WX-FFH-07	Forced Flow Heater	WX-7000			TRUE
WX-FFH-08	Forced Flow Heater	WX-7000A			TRUE
WX-HTP-01	Heating Panel	WX-2015A			TRUE
WX-HTP-02	Heating Panel	WX-5015A			TRUE
WX-HU-01	Humidifier (Outside WX-HVAC-01)	WX-7000	NHRS-180	2121412	TRUE
WX-HU-02	Humidifier (Outside WX-HVAC-02)	WX-7000	NHRS-180	2121409	TRUE
WX-HU-03	Humidifier (Outside WX-HVAC-03)	WX-7000	NHRS-135	2121407	TRUE
WX-HVAC-01	Main Air Handler (1 of 3)	WX-7000			TRUE
WX-HVAC-02	Main Air Handler (2 of 3)	WX-7000			TRUE
WX-HVAC-03	Main Air Handler (3 of 3)	WX-7000			TRUE
WX-HVTR-01	High Voltage Pad Mount Transformer	WX-GEN		204108-1	TRUE
WX-LRP-01	Lighting Relay Panel	WX-1007			TRUE
WX-LRP-02	Lighting Relay Panel	WX-5015A			TRUE
WX-LVSG-01	Low Voltage Switch Gear feeding WX-DP-01	WX-1007	CRD320T36W	3A83946G67	TRUE
WX-OVHD-01	Receiving Door	WX-1002	GH5053L4 4 E79930	3512N1231	TRUE
WX-PP-01	Electrical Panel	WX-1008			TRUE
WX-PP-02	Electrical Panel (Hallway Outside WX-1013)	WX-1C02			TRUE
WX-PP-03	Electrical Panel	WX-1010			TRUE
WX-PP-04	Electrical Panel	WX-1007			TRUE
WX-PP-05	Electrical Panel (Hallway Outside WX-2027)	WX-2C01			TRUE
WX-PP-06	Electrical Panel (Hallway Outside WX-2021)	WX-2C01			TRUE
WX-PP-07	Electrical Panel (Hallway Outside WX-2007)	WX-2C01			TRUE
WX-PP-08	Electrical Panel (Hallway Outside WX-2003)	WX-2C01			TRUE
WX-PP-09	Electrical Panel	WX-2015A			TRUE
WX-PP-10	Electrical Panel (Hallway Outside WX-3027)	WX-3C01			TRUE
WX-PP-11	Electrical Panel (Hallway Outside WX-3021)	WX-3C01			TRUE
WX-PP-12	Electrical Panel (Hallway Outside WX-3009)	WX-3C01			TRUE
WX-PP-13	Electrical Panel (Hallway Outside WX-3003)	WX-3C01			TRUE
WX-PP-14	Electrical Panel (Hallway Outside WX-4027)	WX-4C01			TRUE
WX-PP-15	Electrical Panel (Hallway Outside WX-4021)	WX-4C01			TRUE
WX-PP-16	Electrical Panel (Hallway Outside WX-4009)	WX-4C01			TRUE
WX-PP-17	Electrical Panel (Hallway Outside WX-4003)	WX-4C01			TRUE
WX-PP-18	Electrical Panel (Hallway Outside WX-5027)	WX-5C01			TRUE
WX-PP-19	Electrical Panel (Hallway Outside WX-5021)	WX-5C01			TRUE
WX-PP-20	Electrical Panel (Hallway Outside WX-5009)	WX-5C01			TRUE
WX-PP-21	Electrical Panel (Hallway Outside WX-5003)	WX-5C01			TRUE
WX-PP-22	Electrical Panel	WX-5015A			TRUE
WX-PP-23	Electrical Panel (Hallway Outside WX-6027)	WX-6C01			TRUE
WX-PP-24	Electrical Panel (Hallway Outside WX-6021)	WX-6C01			TRUE
WX-PP-25	Electrical Panel (Hallway Outside WX-6009)	WX-6C01			TRUE
WX-PP-26	Electrical Panel (Hallway Outside WX-6003)	WX-6C01			TRUE
WX-PP-27	Electrical Panel	WX-7000			TRUE
WX-PP-28	Electrical Panel (UPS Bypass Panel)	WX-1005	PRL3A		TRUE
WX-SP-01	Sump Pump	WX-1008	P5200-01	728568	TRUE
WX-SP-02	Sump Pump	WX-1008	P5200-02	728568	TRUE
WX-TRAN-01	Low Voltage Transformer	WX-1007		C 97118-2	TRUE
WX-TRAN-02	Low Voltage Transformer	WX-2015A		C 97119-4	TRUE
WX-TRAN-03	Low Voltage Transformer (Emergency)	WX-1007		C 97117-3	TRUE
WX-TRAN-04	Low Voltage Transformer	WX-5015A		C 97119-3	TRUE
WX-TRAN-05	Low Voltage Transformer	WX-7000		C 97117-4	TRUE
WX-UPS-01	Uninterruptible Power Supply	WX-1005	15	BG122JBA04	TRUE
CX-AC-01	Air Conditioner (Cond. in CX-1000, Evap. in CX-1C01)	CX-1000	C3G3ASHA	1211006	TRUE
CX-DP-01	600/347V Distribution Panel	CX-1000			TRUE
CX-DP-02	208/120v Distribution Panel	CX-1000			TRUE
CX-DSW-01	Disconnect Switch - Centre Elevator	CX-1002A			TRUE
CX-DSW-02	Disconnect Switch - Elevator Lights	CX-1002A			TRUE
CX-EDO2178	Passenger Elevator, Center Hub	CX-1E01			TRUE
CX-EF-01	Exhaust Fan	CX-1001A	100 6DB 100 SDB	132SD86002-00/0000701	TRUE
CX-EL-01	Emergency Lighting	CX-1000	Cat No. SLC12250		TRUE
CX-ELE-01	Electrical Meter - Arts and Culture Centre	CX-1000			TRUE
CX-FAP-01	Fire Alarm Panel (Main Entrance Central Hub, East, West Towers)	CX-1C01	EST		TRUE
CX-FE-001	Fire Extinguisher	CX-2C01			TRUE

CX-HVACB-01	MAIN BREAKER FED FROM MUN-10	CX-1000	150 VCP-T 40	111104551	TRUE
CX-HVACB-02	MAIN BREAKER FEED FROM MUN-06	CX-1000	150VCP-T 40	111104151	TRUE
CX-HVACB-03	High Voltage TIE BREAKER	CX-1000	150 VCP-T 40	130801951	TRUE
CX-HVACB-04	FEEDS PATON COLLEGE RESISTANCES	CX-1000	150 VCP-T 40	111104921	TRUE
CX-HVACB-05	LOOP FEED FOR BPA,CLUETT,SHIWAK,DAYCARE	CX-1000	150 VCP-T 40	111104391	TRUE
CX-HVACB-06	LOOP FEED FOR PATON COLLEGE RESIDENCES	CX-1000	150 VCP-T 40	111105441	TRUE
CX-HVACB-07	BREAKER FEEDS ARTS&CULTURE CENTRE	CX-1000	150 VCP-T 40	111105331	TRUE
CX-HVACB-08	Breaker - Spare (FM & MU)	CX-1000	150 VCP-T 40	111104931	TRUE
CX-HVACB-09	FEEDING BURTONS POND,DAYCARE,SHIWAK,CLUETT	CX-1000	150 VCP-T 40	111105031	TRUE
CX-HVACB-10	Spare High Voltage Breaker	CX-1000	150 VCP-T 40	111104961	TRUE
CX-HVACB-11	SPARE BREAKER	CX-1000			TRUE
CX-HVC-01	High Voltage Cubical (MUN-10)	CX-1000			TRUE
CX-HVC-02	High Voltage Cubical (MUN-04)	CX-1000			TRUE
CX-HVC-03	High Voltage Cubical (Tie-Breaker)	CX-1000			TRUE
CX-HVC-04	High Voltage Cubical (Paton College)	CX-1000			TRUE
CX-HVC-05	High Voltage Cubical (Burton's Pond)	CX-1000			TRUE
CX-HVC-06	High Voltage Cubical (Paton College)	CX-1000			TRUE
CX-HVC-07	High Voltage Cubical (Arts and Culture)	CX-1000			TRUE
CX-HVC-08	High Voltage Cubical (Spare - FM and MU)	CX-1000			TRUE
CX-HVC-09	High Voltage Cubical (McPherson College)	CX-1000			TRUE
CX-HVC-10	High Voltage Cubical (Spare)	CX-1000			TRUE
CX-HVC-11	High Voltage Cubical (Spare)	CX-1000			TRUE
CX-HVC-12	High Voltage Cubical (Spare)	CX-1000			TRUE
CX-HVC-13	High Voltage Cubical (Spare)	CX-1000			TRUE
CX-HVC-14	High Voltage Cubical (Spare)	CX-1000			TRUE
CX-HVC-15	High Voltage Cubical (Spare)	CX-1000			TRUE
CX-HVC-16	High Voltage Cubical (ACC Metering)	CX-1000			TRUE
CX-HVC-17	High Voltage Cubical - CX-HVPT-02	CX-1000			TRUE
CX-HVC-18	High Voltage Cubical - CX-HVPT-01	CX-1000			TRUE
CX-HVPT-01	Potential Transformer	CX-1000			TRUE
CX-HVPT-02	Potential Transformer	CX-1000			TRUE
CX-HVPT-03	Potential Transformer	CX-1000			TRUE
CX-PP-01	Fire Alarm Panel	CX-1000			TRUE
CX-SP-01	Sump Pump	CX-1001A	P5200-00	728568	TRUE
CX-SP-02	Sump Pump	CX-1001A	P5200-00	728568	TRUE
CX-TRAN-01	Transformer 600-120/208	CX-1000	CAT. No. BC150J- M/K9/T130/XZ3	C 97120	TRUE
CX-TRAN-02	Transformer 600-120/208 (Emergency)	CX-1000	CAT. No. SC5J- K/K9/T130/X	C 97121	TRUE

PART 1 - ADDENDUM

1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 4
RFP-041-26 VAR-610-19: ARC FLASH CONSULTING SERVICES

- .2 The Date of the Addendum is Wednesday, August 26, 2026

1.2 PRECEDENCE

- .1 This amendment to the Request for Proposals (RFP) documents is effective immediately.
- .2 This Addendum shall form an integral part of the original RFP documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued RFP documents with which it may prove to be at variance.

1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in **Appendix B - Submission Form**.

1.4 PURPOSE

- .1 The purpose of the Addendum is to inform proponents of the changes, deletions and additions to be added to the RFP documents.

1.5 CHANGES IN GENERAL

- .1 For the non-mandatory site visit on Thursday August 27th from 9:30am-4:00pm NST. Location: 14 Phelan Rd, St. John's, NL A1B 1T5, Facilities Management Building Room 2032, PPE will be required for the proponents attending (Hard hat, Glasses, Safety vest & steel toe boots)

END OF ADDENDUM

PART 1 - ADDENDUM

1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 3
RFP-041-26 VAR-610-19: ARC FLASH CONSULTING SERVICES

- .2 The Date of the Addendum is Friday, August 21, 2026

1.2 PRECEDENCE

- .1 This amendment to the Request for Proposals (RFP) documents is effective immediately.
- .2 This Addendum shall form an integral part of the original RFP documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued RFP documents with which it may prove to be at variance.

1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in **Appendix B - Submission Form**.

1.4 PURPOSE

- .1 The purpose of the Addendum is to inform proponents of the changes, deletions and additions to be added to the RFP documents.

1.5 CHANGES IN GENERAL

- .1 The tender deadline for receipt of tenders has changed. The new deadline is 3 p.m. on Thursday, September 3rd, 2026. Access code: 2772 379 7562
- .2 There will be a non-mandatory site visit on Thursday August 27th from 9:30am-4:00pm NST. Location: 14 Phelan Rd, St. John's, NL A1B 1T5, Facilities Management Building Room 2032.
- .3 A future addendum will be issued to provide further information on the buildings in Appendix A Section 4.1.

END OF ADDENDUM

PART 1 - ADDENDUM

1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 2
RFP-041-26 VAR-610-19: ARC FLASH CONSULTING SERVICES

- .2 The Date of the Addendum is Thursday, August 20, 2026

1.2 PRECEDENCE

- .1 This amendment to the Request for Proposals (RFP) documents is effective immediately.
- .2 This Addendum shall form an integral part of the original RFP documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued RFP documents with which it may prove to be at variance.

1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in **Appendix B - Submission Form**.

1.4 PURPOSE

- .1 The purpose of the Addendum is to inform proponents of the changes, deletions and additions to be added to the RFP documents.

1.5 CHANGES TO APPENDIX A

- .1 The following changes have been made to section 4.1
- .1 Revision to bus count FH: Field House (Estimated 120 Bus Count)
- .2 Revision to Bus count HSC/HV: Health Science complex 12.5kv distribution system (Estimated 50 bus count)
- .3 Added SN: Science Building (Estimated 250 Bus Count)
- .4 Added BT: Biotech Building (Estimated 150 Bus Count)
- .5 Added AQ: Aquarena Building (Estimated 120 Bus count)

August 20, 2026

.6 Estimated bus count is an estimated count of electrical equipment (Electrical panels, switchgear, transformers, disconnect switches, motor loads, etc) to be included in the system study.

.2 The following changes have been made to Table 1: Scope of Services Summary

.1 Section 3.1 General Principals to be included.

1.6 CHANGES TO APPENDIX M

.1 Science (SN) Building floor plans have been added.

.2 Biotech (BT) Building floor plans added have been added.

.3 Aquarena (AQ) Building floor plans added have been added.

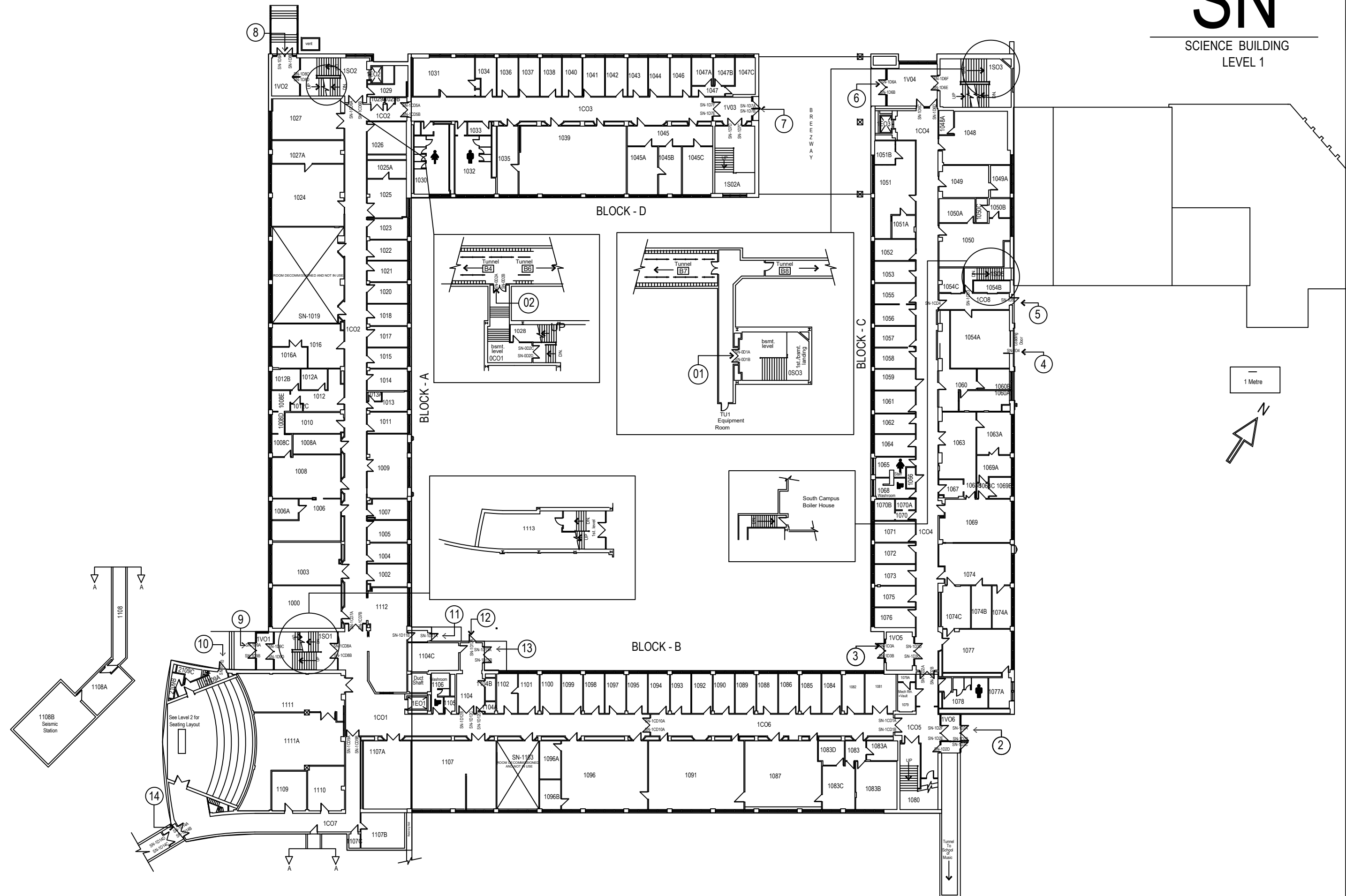
1.7 QUESTIONS AND RESPONSES

.1 **QUESTION: Are all reports to be stamped by a professional engineer?**

RESPONSE: Yes

END OF ADDENDUM

SCIENCE BUILDING
LEVEL 1

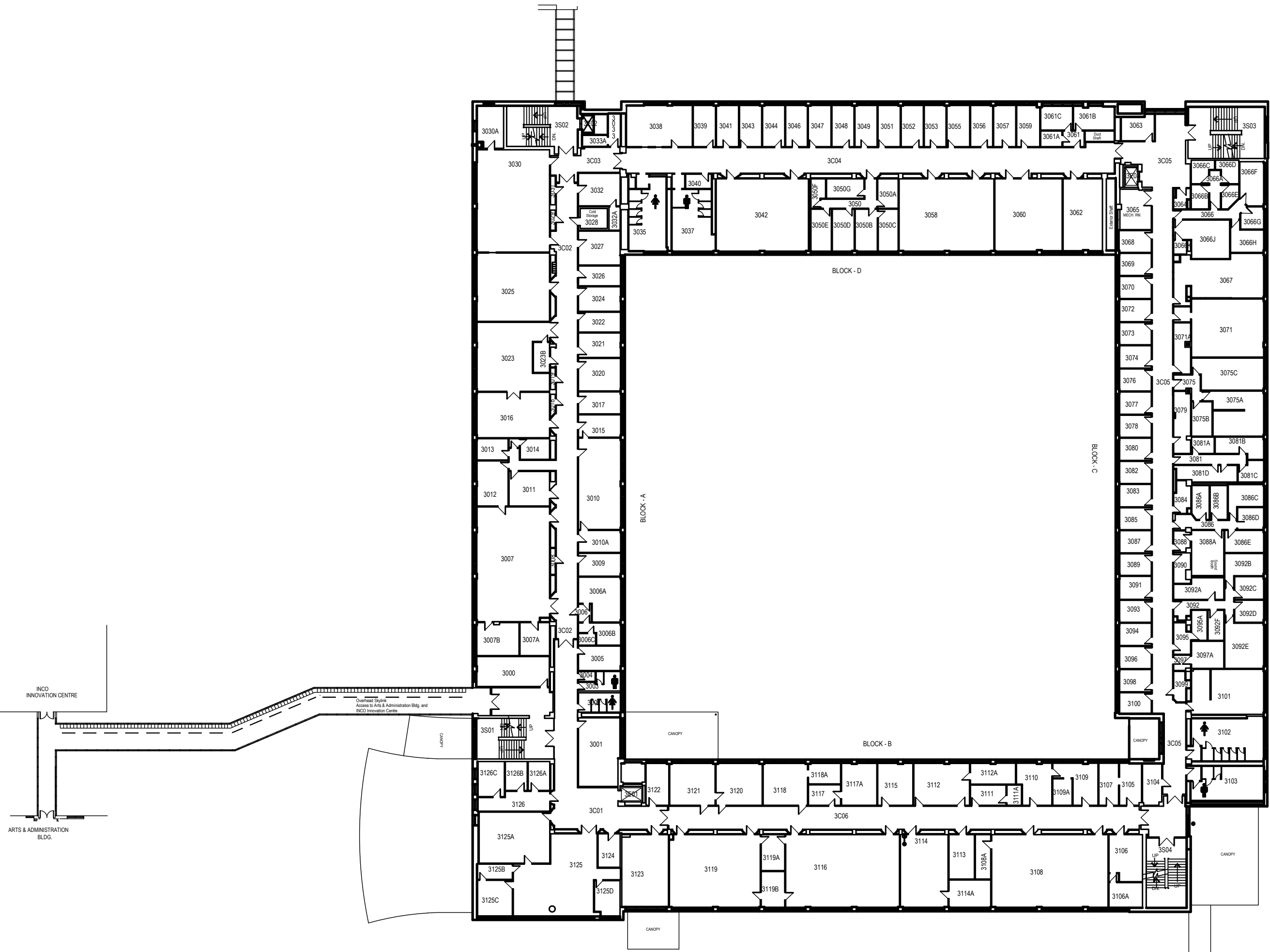


SCIENCE BUILDING
LEVEL 2

SN

SCIENCE BUILDING
LEVEL 3

1 Metre

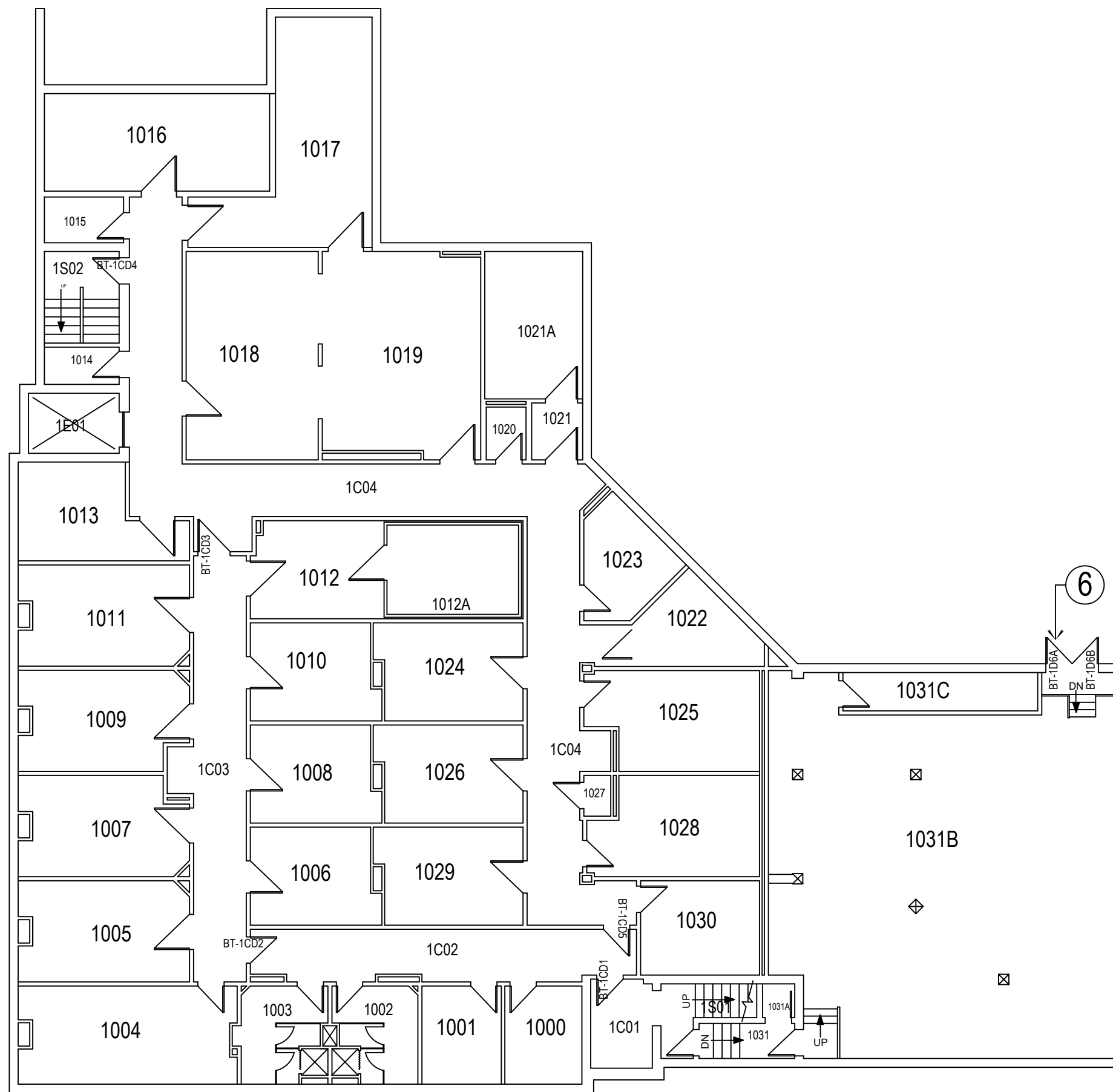


SCIENCE BUILDING
LEVEL 4

BT

BIOTECHNOLOGY BUILDING
LEVEL 1

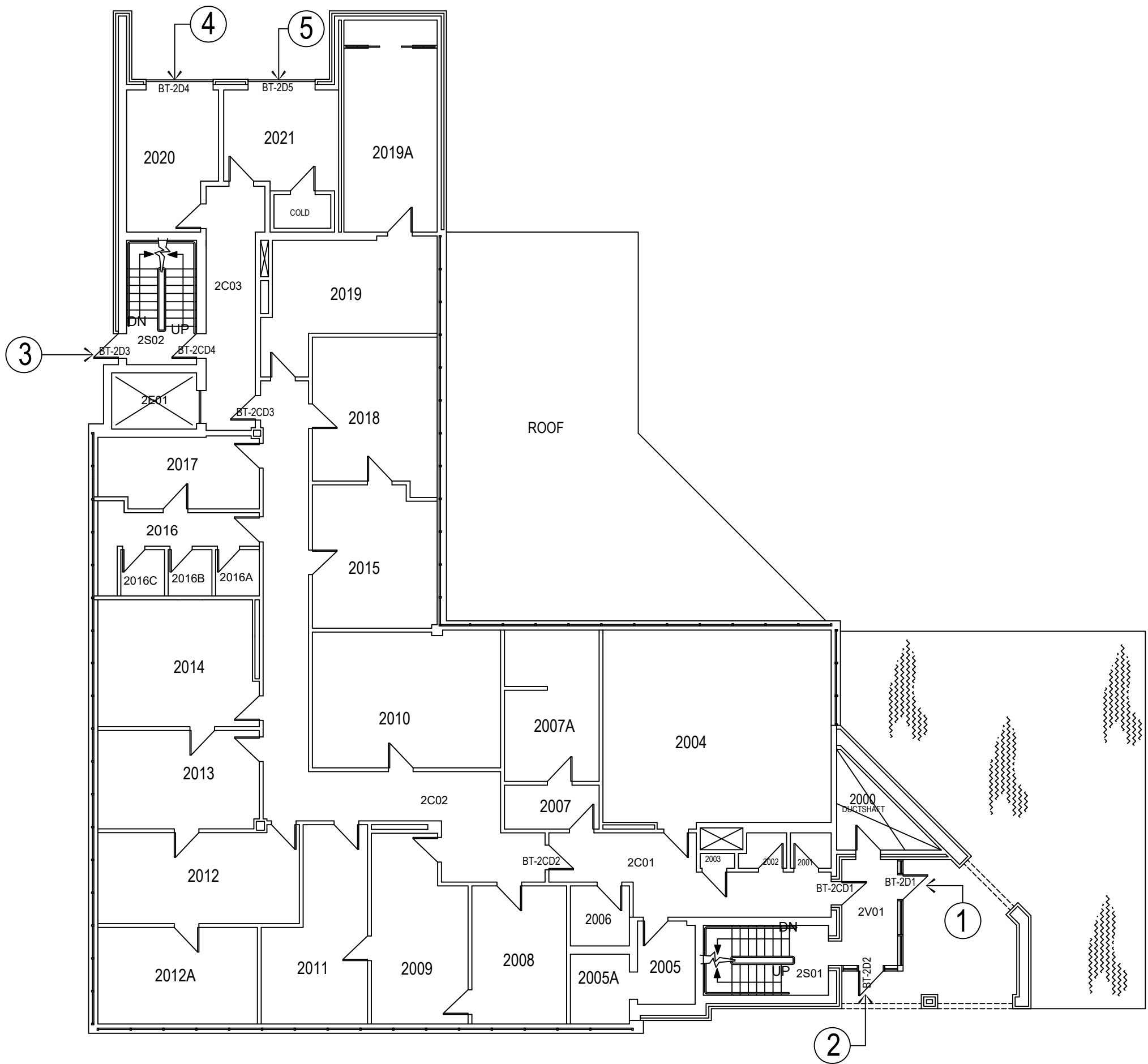
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BT

BIOTECHNOLOGY BUILDING
LEVEL 2

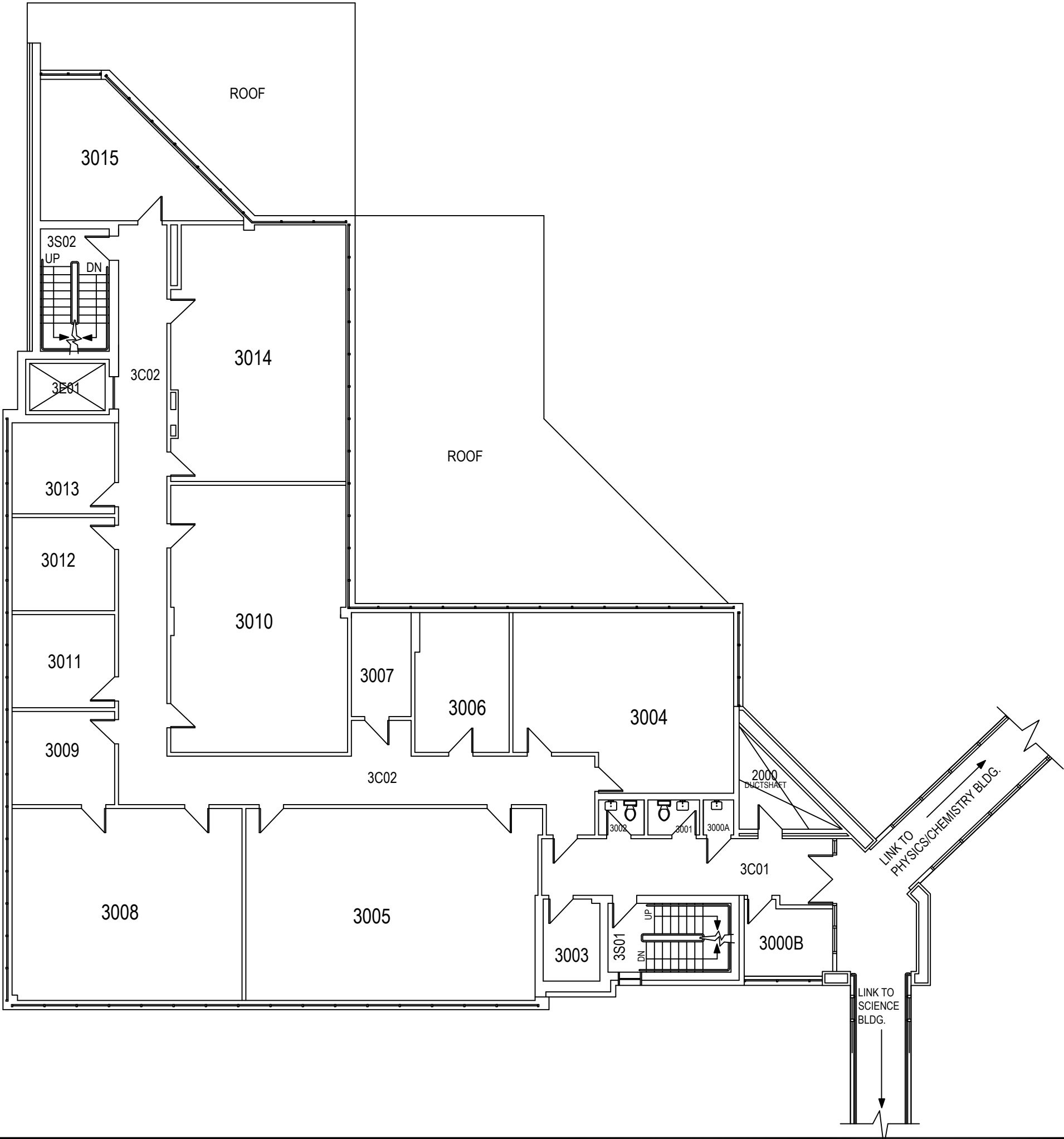
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BT

BIOTECHNOLOGY BUILDING
LEVEL 3

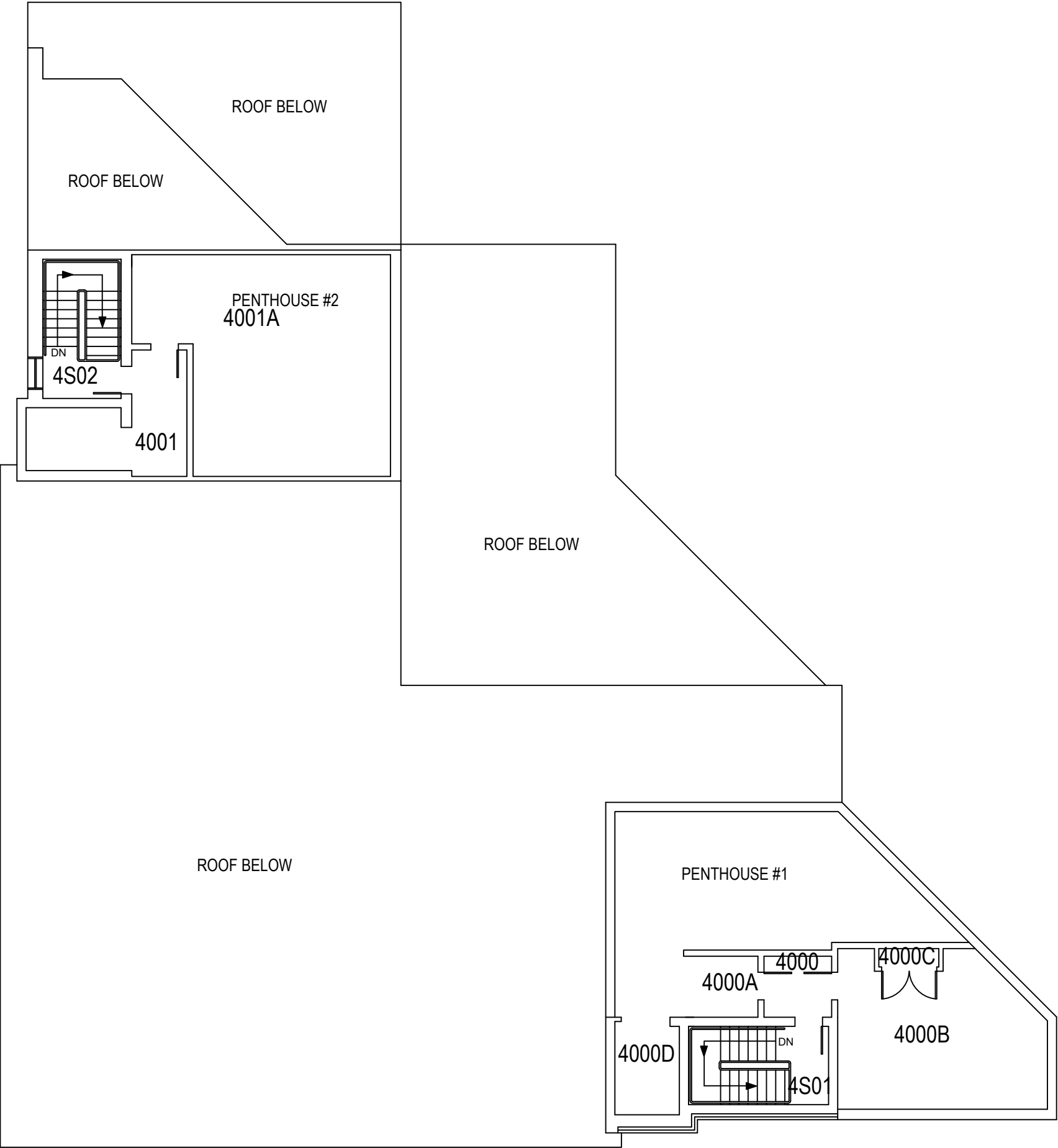
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BT

BIOTECHNOLOGY BUILDING
LEVEL 4

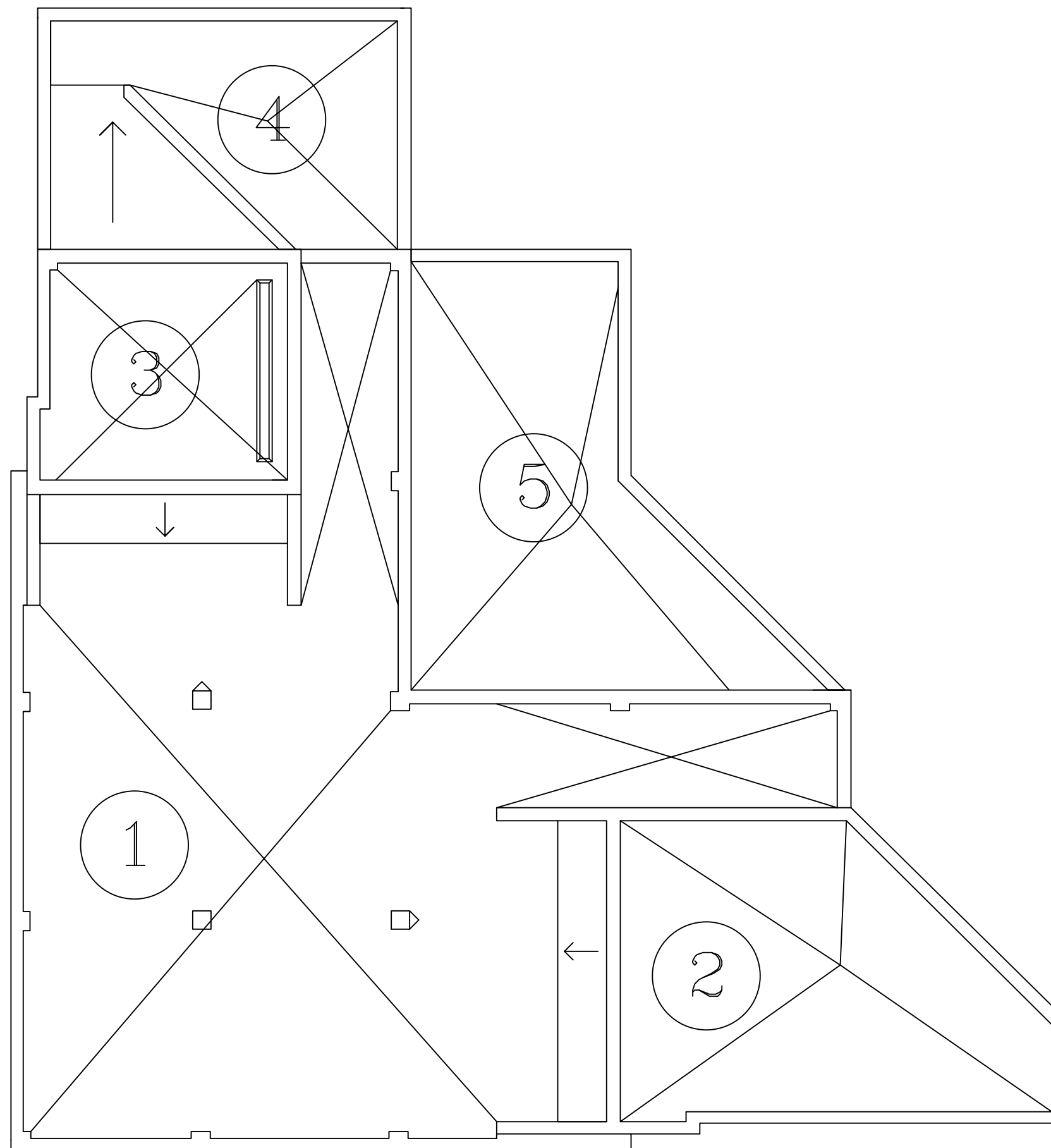
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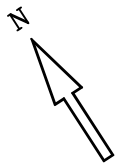
BT

BIOTECHNOLOGY BUILDING
LEVEL 1

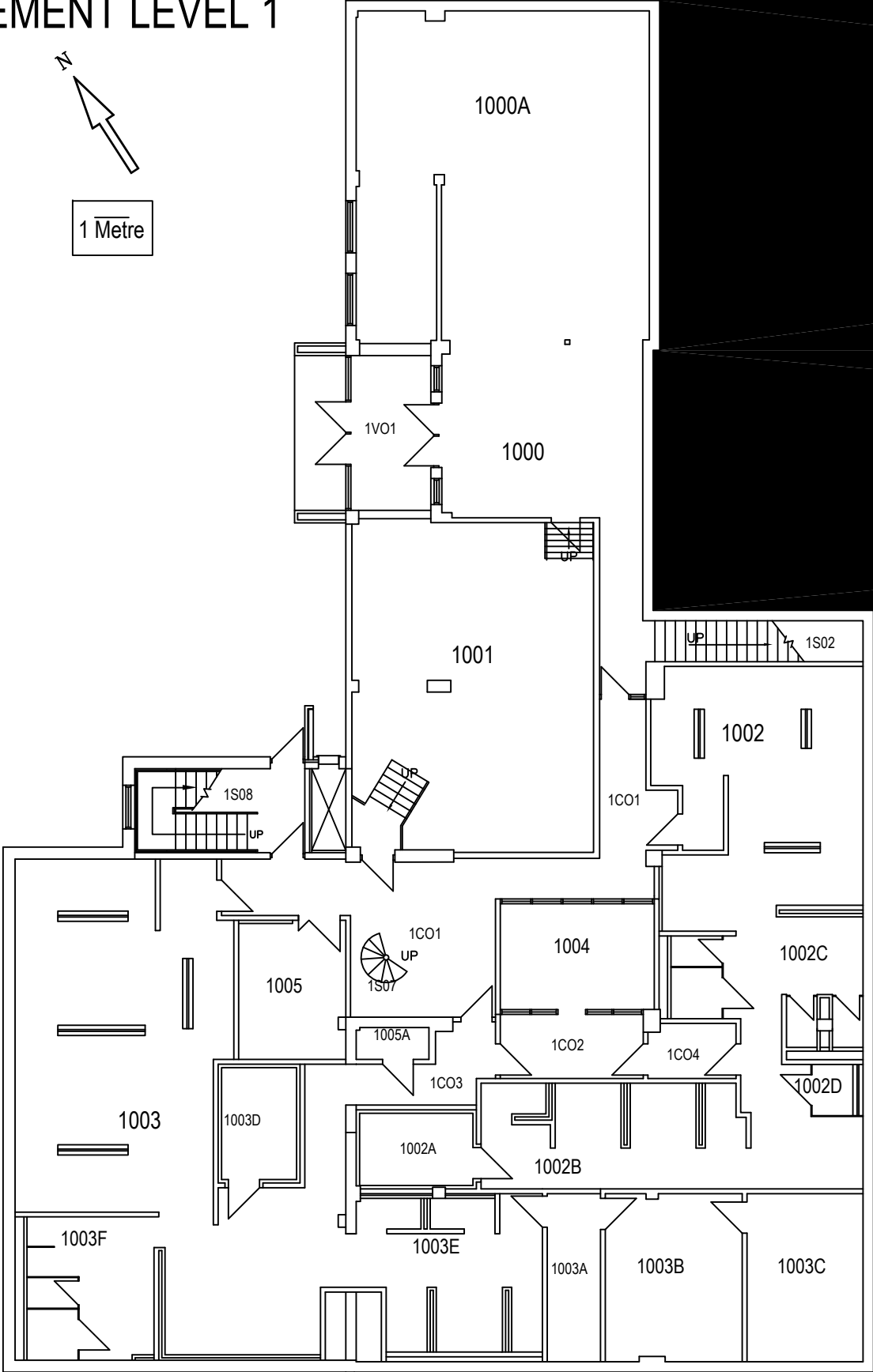
1 Metre



AQUARENA
BASEMENT LEVEL 1



1 Metre

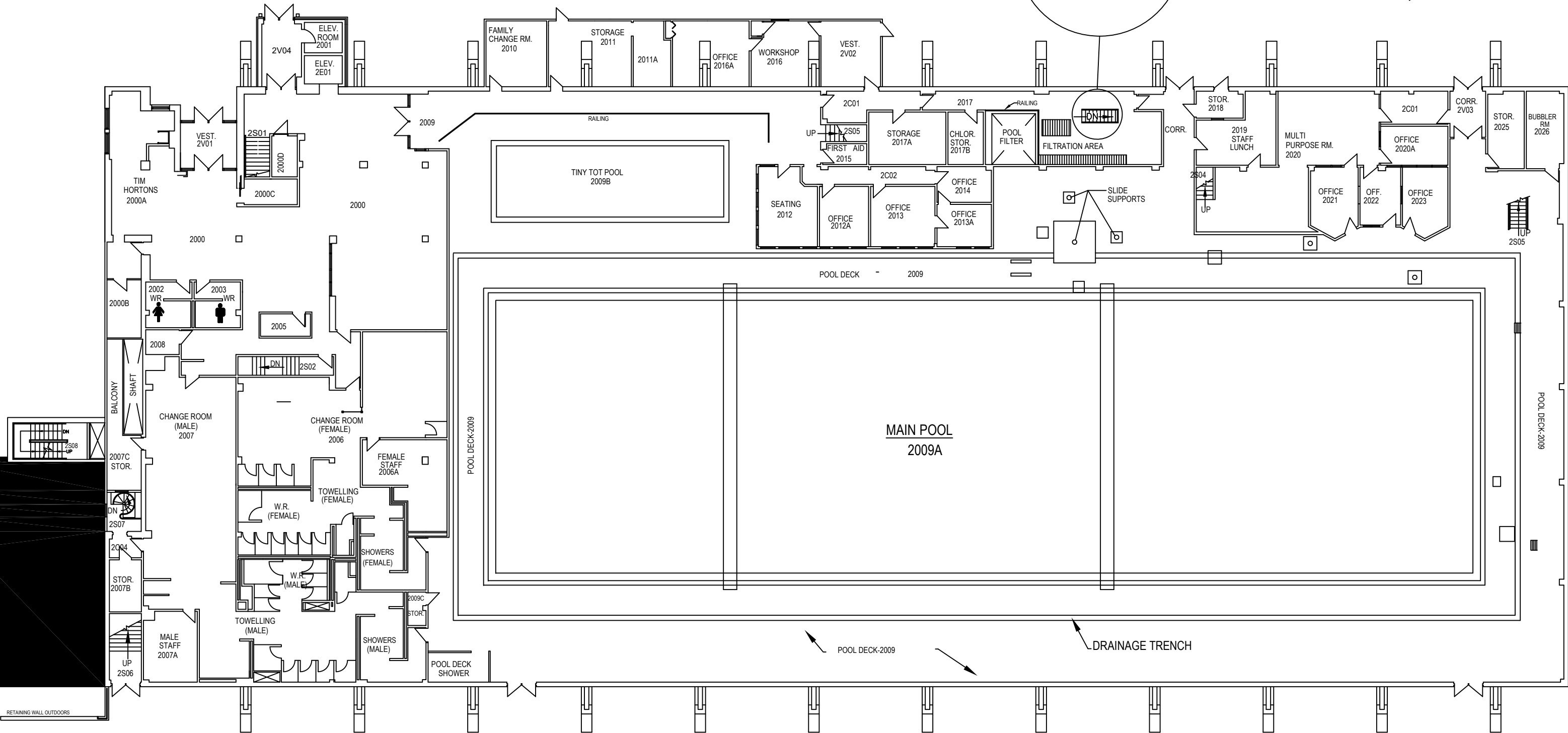
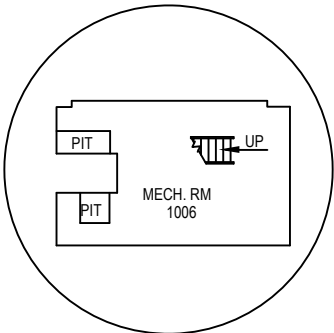
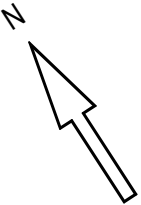


RETAINING WALL OUTDOORS

AQ

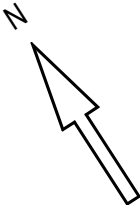
AQUARENA
LEVEL 2

1 Metre



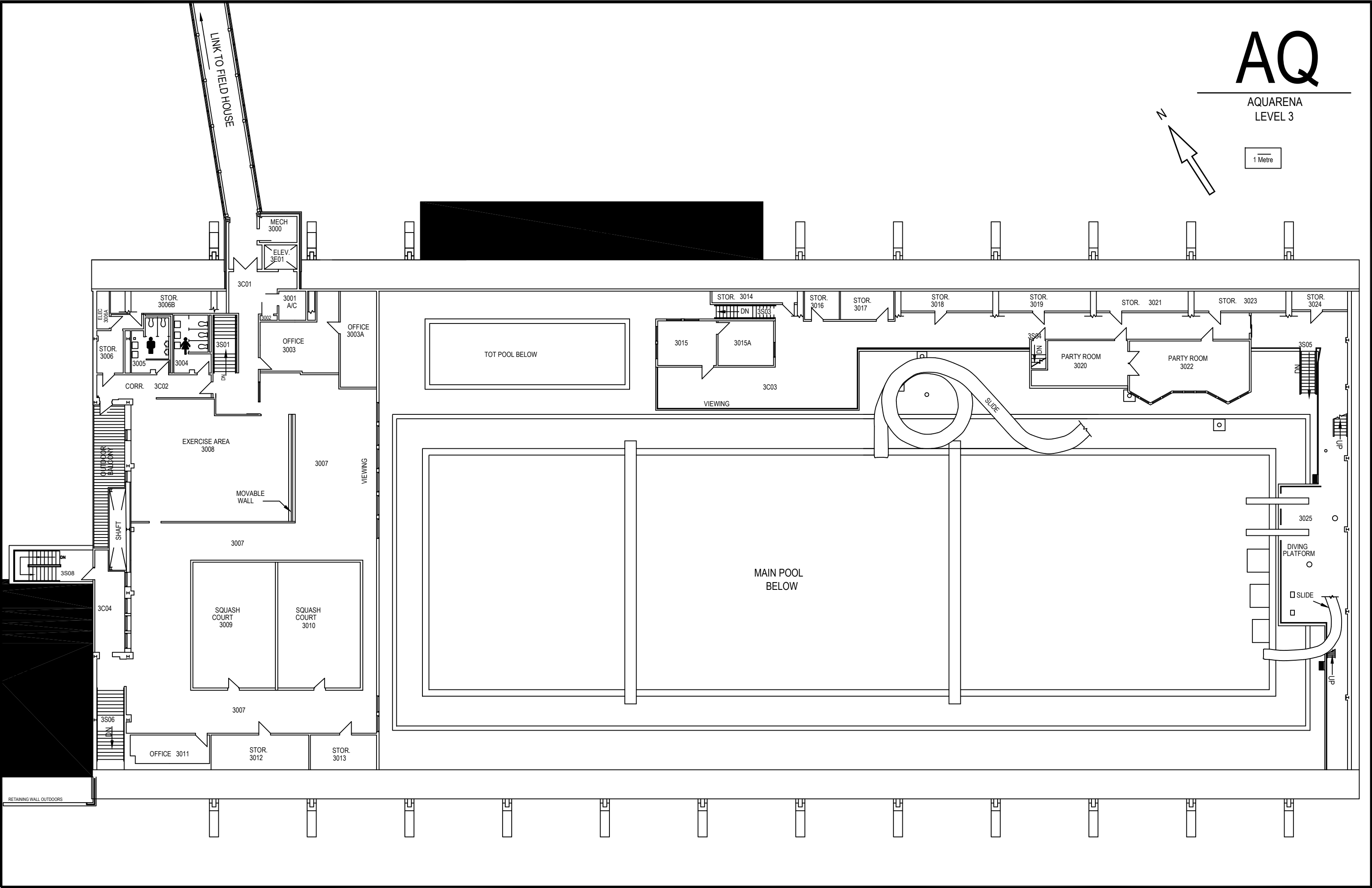
AQ

AQUARENA
LEVEL 3

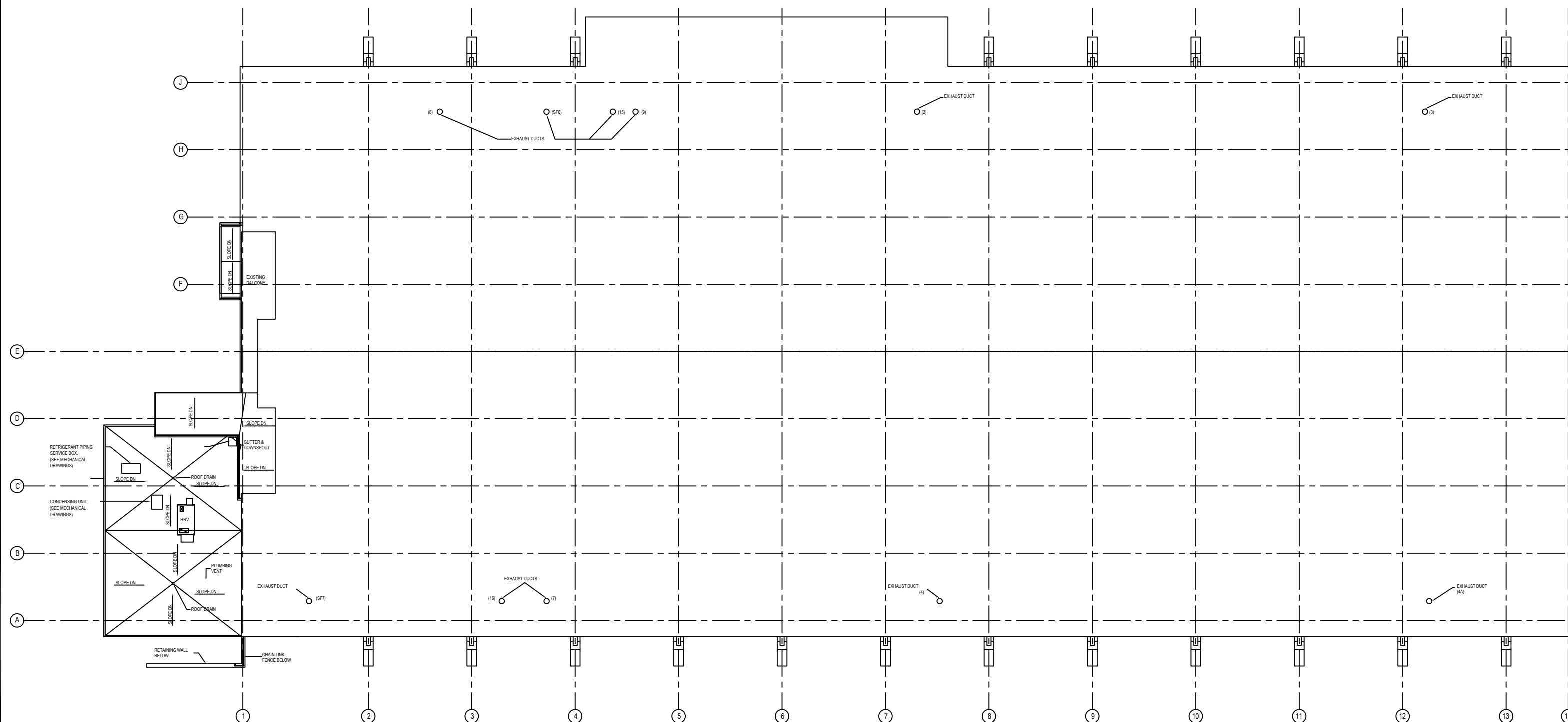


1 Metre

LINK TO FIELD HOUSE

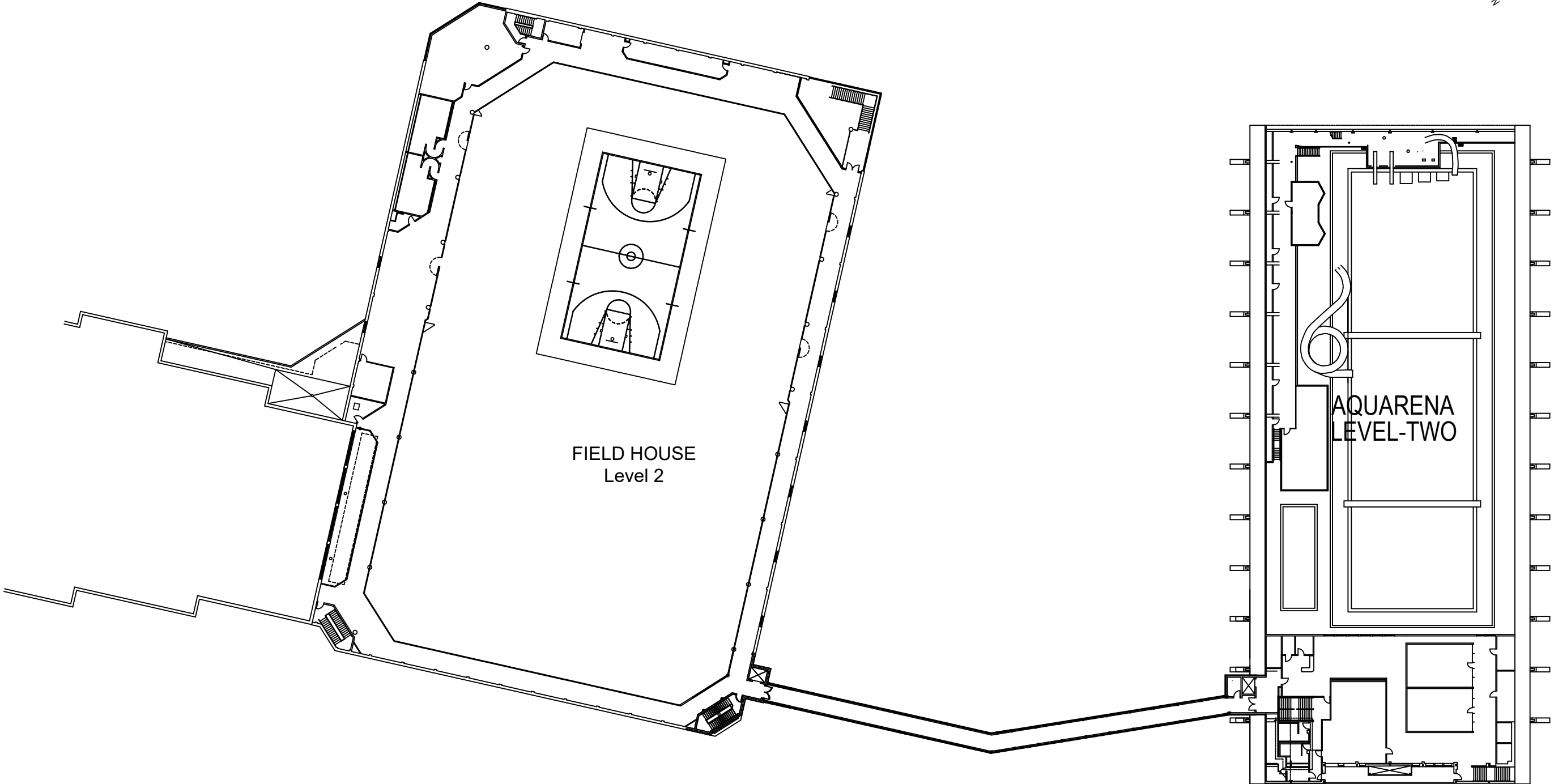


AQUARENA
ROOF



AQ

AQUARENA
SITE PLAN



PART 1 - ADDENDUM

1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 1
RFP-041-26 VAR-610-19: ARC FLASH CONSULTING
SERVICES

- .2 The Date of the Addendum is Monday, August 17, 2026

1.2 PRECEDENCE

- .1 This amendment to the bid documents is effective immediately.
- .2 This Addendum shall form an integral part of the original bid documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued bid documents with which it may prove to be at variance.

1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in the Tender and Acceptance form.

1.4 PURPOSE

- .1 The purpose of the Addendum is to inform bidders of the changes, deletions and additions to be added to the bid documents.

1.5 CHANGES IN GENERAL

- .1 The tender deadline for receipt of tenders has changed. The new deadline is 3 p.m. on Thursday, August 27, 2026. New access code: 2772 379 7562

.2 Questions from Bidders

Q1: Does Memorial University have an arc flash report standard, electrical safety program document, or other similar document? Could this document please be provided to assist in the bidding process?

A1:

- All available documentation will be provided to the successful proponent upon award.
- Memorial does not have a standard report template, however the reports shall;
 - o Be compliant with all applicable codes and standards
 - o Follow industry standard guidelines/ requirements
 - o Outline report methodology

August 17, 2026

- Table for Arc Flash Analysis results
- Section for Short Circuit Coordination results
- Executive summary
- Conclusions/ recommendations for system improvements or remediation

Q2: For the scope described in point 2.2 of Appendix A: Could more detail please be provided on which changes are being required to be made to the high voltage model that will make recalculation of these eight (8) models necessary? Are the changes mentioned here referring to the additions of the 26 models in section 2.1 to the master or are there other changes that may, for example, increase or decrease the available fault current?

A2: Changes have been made to the master ETAP model up stream of the building etap models in this section. These changes on the high voltage sections have not been reflected on the building reports.

Q3: Sections 2.3, 3.2, and 4.3 make reference to "recommendations for system improvements or remediation". Could MUN please clarify what is intended by that statement? Would these improvements required to be reported on be solely related to improving (lowering) arc flash energies, or is the scope intended to be wider than that?

A3: Lowering Arc Flash energies & short circuit/coordination issue improvements.

Q4: Please confirm single line update is not within the scope.

A4: The AutoCAD Single line updates will be completed by Memorial, ETAP models will be updated by the consultant.

Q5: The SN Building (Page 100) was shown in Appendix J but not found in the list of Appendix A Section 2/3/4/5. Do they need to be re-studied?

A5: The SN equipment on the referenced page is fed from the South campus boiler room (BR) and is to be updated as part of the BR report in section 2.1

1.6 CHANGES TO APPENDICES

.1 Appendix A to be removed and replaced in its entirety with Appendix A (R1)

.1 The following changes have been made to section 1

.1 Section 1.1;

"Memorial University will provide all required utility fault data where required.

Following the completion of the above-mentioned scope of work, the consultant shall prepare an updated arc flash/ short-circuit coordination report containing all study information contained in it, as well as any recommendations for system improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (See Appendix K)."

.2 The following changes have been made to section 2

.1 Section 2.1;

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“BO: Bowater House”

- .2 Section 2.2;
“HERF: Harsh Environment Research Facility (ENX- Engineering Annex)”
- .3 Section 2.3;
“The scope of work outlined in sections 2.1 & 2.2 is available to start upon award. Following the completion of the above-mentioned scope of work, the Consultant shall prepare an updated arc flash/ short circuit coordination report per building containing all study information contained in it, as well as any recommendations for system improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (See Appendix K).”
- .4 Section 2.4;
“All required field data collection shall be completed by Memorial University.”
- .3 The following changes have been made to section 3
 - .1 Section 3.2
“This scope of work is available to start upon award. Following the completion of the above-mentioned scope of work, the consultant shall prepare an updated arc flash/ short circuit coordination report per building containing all study information contained in it, as well as any recommendations for system improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (See Appendix K).”
 - .2 Section 3.3
“All required field data collection shall be completed by Memorial University.”
- .4 The following changes have been made to section 4
 - .1 Section 4.3
“ Following the completion of the above-mentioned scope of work, the consultant shall prepare an updated arc flash/ short circuit coordination report per building containing all study information contained in it, as well as any recommendations for system improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (See Appendix K).”
 - .2 Section 4.4
“All required field data collection shall be completed by Memorial University.”
- .5 The following changes have been made to section 5
 - .1 Section 5.2;
“All required field data collection shall be completed by Memorial University.”
- .6 The following changes have been made to section 6
 - .1 Section 6.1;
“Training may be in person or remote”
- .2 Facilities Management ETAP Model to be added to Appendix J

END OF ADDENDUM

APPENDIX A (R1) – SPECIFICATIONS & SCOPE

Background

Memorial University is seeking a qualified Consultant for the development of short circuit and arc flash models and studies using the ETAP 20.0 software or later, for Memorial University buildings. It is estimated that a 3-year engagement will be required. Through this RFP process, a consultant will be engaged to provide the services identified herein.

The successful Proponent shall provide all engineering, modelling, analysis, reporting, training, and technical support services necessary to establish and maintain a comprehensive Master ETAP Model representing Memorial University's electrical distribution systems.

Scope of Project

The scope of work described below, which includes concurrent work by Memorial University, is based on planned/tentative dates.

The phases below reference a “master ETAP model”. Through this engagement, Memorial is also seeking the Consultant's input on the best approach for structuring the model (one file/model or linked files/models).

1. Master ETAP Model Development

1.1 The Consultant shall review all existing electrical system models provided by Memorial University and develop a comprehensive master ETAP model representing Memorial University's electrical distribution infrastructure. Memorial's existing high voltage ETAP model is to be the basis of the master ETAP model (**See Appendix I**), with all building/equipment models to be merged or linked. Updated Arc flash Labels are to be provided by the Consultant as additions to the master ETAP model are made throughout the engagement.

The Consultant shall evaluate and recommend the most appropriate model architecture, for example, whether the electrical system should be maintained as a single integrated model or as multiple linked models.

All re-issued, converted, and newly developed models shall be incorporated into the Master ETAP Model.

Memorial University will provide all required utility fault data where required.

Following the completion of the above-mentioned scope of work, the consultant shall prepare an updated arc flash/ short-circuit coordination report containing all study information contained in it, as well as any recommendations for system improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (**See Appendix K**).

Note: Mount Scio Road (MTS) & Marine Institute (MI) buildings will not be merged into the Master ETAP Model, as they are standalone systems.

2. Existing Systems to be Re-Studied

2.1 Existing models have incident energy values calculated at maximum fault-clearing time. These values would be required to be re-issued utilizing the IEEE standard 2 second rule where applicable. Once reissued, the ETAP models shall be merged into one master ETAP model by the consultant. **(See Appendix J):**

- HH: Henrietta Harvey
- ED: Education
- AA: Arts & Admin
- IIC: Inco Innovation exchange
- L: Library
- BR: South Campus Boiler Room
- MU: Music
- DO: Doyle House
- BA: Barnes House
- BO: Bowater House
- BL: Blackhall House
- HA: Hatcher House
- CU: Curtis House
- SQ: Squires House
- BU: Burke House
- DH: Dining Hall
- RO: Rothmere House
- SP: Spencer Hall
- QC: Queens College
- GH: Field Hall
- J: St Johns College
- BN: Business Building
- CF: Centrifuge Building
- K: C-Core Building
- EN: Engineering Building
- ER: Earth Science Building
- UC: University Centre

2.2 The following existing arc flash studies were completed utilizing the IEEE 2 Second rule, where applicable. It is anticipated that upstream changes made, following completion of these reports, to the high voltage model will result in changes to the building infrastructure values. The Consultant shall merge the following ETAP models into the master ETAP model **(See Appendix J):**

- GY: Guy Court
- GB: Gilbert Court
- CA: Cartier Court
- CT: Cabot Court
- BM: Baltimore Court
- PE: Physical Education
- FM: Facilities Management
- HERF: Harsh Environment Research Facility (ENX- Engineering Annex)

2.3 The scope of work outlined in sections 2.1 & 2.2 is available to start upon award. Following the completion of the above-mentioned scope of work, the Consultant shall prepare an updated arc flash/ short circuit coordination report per building containing all study information contained in it, as well as any recommendations for system

improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (**See Appendix K**).

2.4 All Required field data collection shall be completed by Memorial University.

3. Conversion of Arc Flash Studies from SKM & Easy Power

3.1 The following buildings have arc flash studies (**See Appendix L**) that are to be converted from SKM/EasyPower to ETAP and merged into the master ETAP Model:

- ARC: Animal Research Care building (SKM)
- MI: Holyrood Marine Base (EasyPower)
- CSF: Core Science Facility (SKM)
 - Estimated additional 250 buses to be added to modeling following data collection completion.

3.2 This scope of work is available to start upon award. Following the completion of the above-mentioned scope of work, the consultant shall prepare an updated arc flash/ short circuit coordination report per building containing all study information contained in it, as well as any recommendations for system improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (**See Appendix K**).

3.3 All Required field data collection shall be completed by Memorial University.

4. Arc Flash Studies

4.1 Consultant to complete ETAP Models & furnish an Arc Flash Study for the following buildings (SLD's to be provided to Consultant by MUN). MUN shall provide all information on the distribution equipment and transformers, exact size and lengths of the feeders & breaker model numbers for all feeders in Excel format upon completion of data collection. The information required for the buildings mentioned below shall be collected by MUN and available for the Consultant throughout the 3-year engagement. MUN will provide the short circuit information for the main incoming service to the building. MUN will provide all building floor plans in PDF Format (**See Appendix M**):

- CH: Child Care (Estimated 50 Bus count)
- EX: East Tower (Estimated 150 Bus count)
- WX: West Tower (Estimated 150 Bus count)
- GLC: Global Learning Centre (Estimated 75 Bus count)
- FH: Field House (Estimated 250 Bus count)
- CP: Chemistry Physics (Estimated 500 Bus Count)
- FOM: Faculty of Medicine (Estimated 250 Bus count)
- UA: Utilities annex building (Estimated 500 Bus Count)
- MTS: Vivarium (Estimated 75 Bus Count)
- MTS: Research Labs (Estimated 50 Bus Count)
- MTS: Incinerator Building (Estimated 50 Bus Count)
- MTS: Interpretative Centre (Estimated 50 Bus Count)
- MTS: Food Pilot (Estimated 50 Bus Count)
- MTS: Various (Caretakers, Greenhouses, Barn Carriage houses) (Estimated 50 Bus Count)
- MI: Fox trap base (Estimated 50 Bus Count)

4.2 Consultant to merge the above-noted ETAP models with the master ETAP Model.

4.3 Following the completion of the above-mentioned scope of work, the consultant shall prepare an updated arc flash/ short circuit coordination report per building containing all study information contained in it, as well as any recommendations for system improvements or remediation. Arc flash labels for all equipment shall be provided within the report as a PDF and XLS (**See Appendix K**).

4.4 All Required field data collection shall be completed by Memorial University.

5. Additional Modeling Allowance

5.1 The Consultant is to provide pricing for the modeling of 1000 additional Buses to be used at the owner's direction. This allowance is to be used if the actual bus count per building exceeds the estimated bus count per building, upon completion of data collection. This Allowance shall include all costs associated with integration with the associated model, including but not limited to:

- ETAP Modeling
- Arc Flash Calculations
- Short circuit coordination
- Request For Information (RFI)

5.2 All Required field data collection shall be completed by Memorial University.

6. ETAP Modeling Training & Support

6.1 Three (3) days of Baseline ETAP training for member's of Memorial's facilities management team. Training may be in person or remote. Training to include;

- General overview and usage of ETAP
- Integration of new buildings into the master ETAP model
- Integration of new electrical equipment (Small Model) into the Master ETAP model.
- Replacement of existing infrastructure to the master ETAP model.
- Additions of existing infrastructure to the master ETAP model.

6.2 Following the completion and implementation of the ETAP model, the Consultant is to allow for two remote follow-up calls with Memorial to address troubles or questions during the first 3 months of MUN using the model. An allowance of 3 hours per call should be anticipated.

Additional consulting and/or contract administration services may be required and will be provided on a per-diem basis. Please submit a schedule of rates with your proposal.

Form of Agreement

The form of agreement can be found in **Appendix G – Department of Facilities Management Consultants Services Agreement** of this document.

Prime Consultant's Summary of Services

Table 1: Scope of Services Summary summarizes and amends the Scope of Services for the engagement:

TABLE 1: SCOPE OF SERVICES SUMMARY

Section		Included
3.1	General Principles	☐
3.2	Additional Services	☒
3.3	Work Schedule	☒
3.4	Cost Control	☐
3.5	Sub-Consultants	☒
3.6	Functional Programming Development and Advisory Services	☒
3.7	Concept Design (Includes Schematics)	☐
3.8	Design Development	☒
3.9	Construction Contract Documents	☐
3.10	Bidding and Construction Contract Award	☐
3.11	Construction Contract Administration	☐
3.12	Resident Supervision (Additional Services)	☐
3.13	Insurance	☒
Conditions/Amendments		
3.8	Class C estimate to be removed from scope	

Deliverables

See *Table 4: Scope of Services Deliverables Acknowledgement* in **Appendix B – Submission Form**.

Concept Parameters

As described but not limited to the following:

1. Develop in accordance with current building design and code standards, including, but not limited to:
 - A. National Building Code
 - B. Barrier Free Access
 - C. Life Safety
 - D. Canadian Electrical Code
2. All existing Memorial University standards to be reviewed and incorporated into the design package where applicable, including but not limited to:
 - A. Memorial University Point Naming Conventions (Honeywell EBI)
 - B. Memorial University Electrical Panel Color Code Panels
 - C. Facilities Management Color Pallet Standard
 - D. Memorial University Title Blocks (AutoCAD)
 - E. Memorial University Interior Signage Manual 1.0
 - F. MUNet Specification (Communications)
 - G. Zero Energy Isolation Program

Above documents/templates will be made available to the successful Proponent after contract award, unless requested otherwise;

3. All existing reports to be reviewed and incorporated into the design where necessary, including but not limited to:
 - A. Existing building Arc Flash Studies
 - B. Memorial Electrical Safety Program
 - C. Memorial Zero Energy Isolation Program
4. If available, all existing as-built drawings (in .dwg format) will be made available to the successful Proponent upon request;



Arc Flash Report - IEEE 1584 Calculations Worst Case Based on All Scenarios



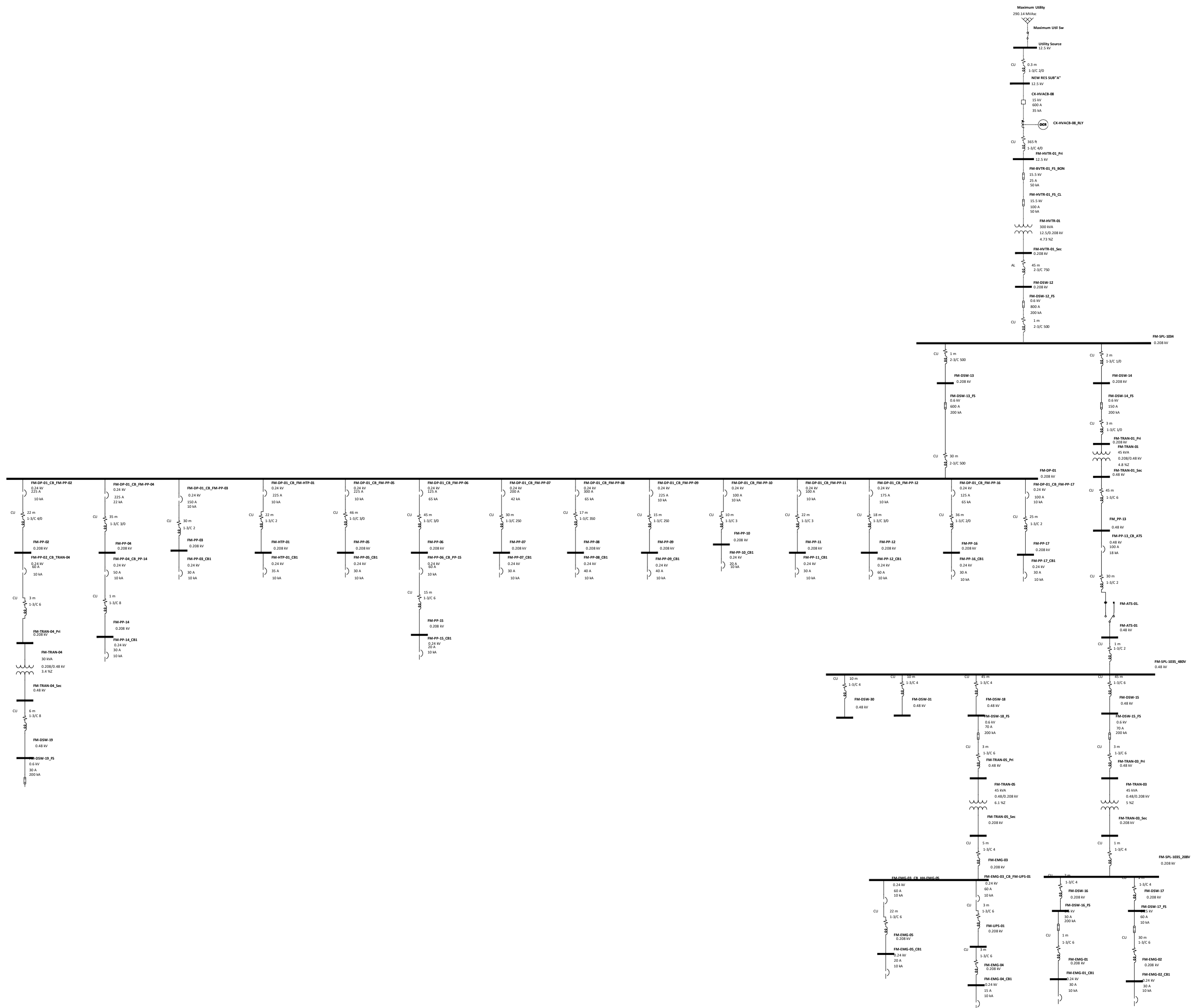
Bus Name	Equipment Type (Bus Gap (mm))	Upstream Protective Device Clearing Fault	Bolted Fault Current		Arcing Fault Current		Clearing Time (ms)	Arc Flash Hazard Analysis Results		
			@ Bus	Through Prot. Device	@ Bus	Through Prot. Device		FPB (mm)	WD (mm)	IE (cal/cm²)
12,500 Volt Busses										
FM-HVTR-01_Pri	Cable Bus (153)	CX-HVACB-08	12,955	12,955	11,646	11,646	295	3,124	914	9.32
480 Volt Busses										
FM_PP-13	Panelboard (25)	FM-DSW-14_FS	779	1,798	476	1,099	62	152	457	0.12
FM-ATS-01	Panelboard (25)	FM-DSW-14_FS	746	1,723	441	1,017	91	76	457	0.08
FM-DSW-15	Panelboard (25)	FM-DSW-14_FS	647	1,493	396	914	162	229	457	0.27
FM-DSW-18	Panelboard (25)	FM-DSW-14_FS	679	1,567	415	959	124	204	457	0.22
FM-DSW-19	Panelboard (25)	FM-PP-02_CB_TRAN-04	739	1,707	524	1,210	8	52	457	0.02
FM-DSW-30	Panelboard (25)	FM-DSW-14_FS	730	1,685	446	1,030	85	152	457	0.14
FM-DSW-31	Panelboard (25)	FM-DSW-14_FS	730	1,685	446	1,030	85	152	457	0.14
FM-SPL-1035_480V	Panelboard (25)	FM-DSW-14_FS	745	1,720	456	1,051	77	152	457	0.14
FM-TRAN-01_Sec	Cable Bus (25)	FM-DSW-14_FS	900	2,078	550	1,269	31	101	457	0.07
FM-TRAN-03_Pri	Cable Bus (25)	FM-DSW-14_FS	641	1,479	392	905	170	229	457	0.26
FM-TRAN-04_Sec	Cable Bus (25)	FM-PP-02_CB_TRAN-04	761	1,756	539	1,245	8	52	457	0.02
FM-TRAN-05_Pri	Cable Bus (25)	FM-DSW-14_FS	673	1,553	412	950	131	204	457	0.21
208 Volt Busses										
FM-DP-01	Panelboard (25)	FM-DSW-13_FS	10,050	10,050	4,246	4,246	2,000	2,490	457	37.17
FM-DSW-12	Panelboard (25)	FM-HVTR-01_FS_BON	12,109	202	5,165	86	2,000	2,667	457	43.22
FM-DSW-13	Panelboard (25)	FM-DSW-12_FS	11,958	11,958	5,097	5,097	2,000	2,667	457	43.17
FM-DSW-14	Panelboard (25)	FM-DSW-12_FS	11,365	11,365	4,833	4,833	2,000	2,667	457	43.49
FM-DSW-16	Panelboard (25)	FM-DSW-14_FS	925	925	369	369	2,000	661	457	2.50
FM-DSW-17	Panelboard (25)	FM-DSW-14_FS	925	925	369	369	2,000	661	457	2.50
FM-EMG-01	Panelboard (25)	FM-DSW-16_FS	916	916	308	308	183	204	457	0.23
FM-EMG-02	Panelboard (25)	FM-DSW-17_FS	710	710	284	284	2,000	610	457	2.23
FM-EMG-03	Panelboard (25)	FM-DSW-14_FS	869	869	347	347	2,000	686	457	2.72
FM-EMG-04	Panelboard (25)	FM-EMG-03_CB_FM-UPS-01	826	826	330	330	2,000	686	457	2.65



Arc Flash Report - IEEE 1584 Calculations Worst Case Based on All Scenarios



Bus Name	Equipment Type (Bus Gap (mm))	Upstream Protective Device Clearing Fault	Bolted Fault Current		Arcing Fault Current		Clearing Time (ms)	Arc Flash Hazard Analysis Results		
			@ Bus	Through Prot. Device	@ Bus	Through Prot. Device		FPB (mm)	WD (mm)	IE (cal/cm ²)
FM-EMG-05	Panelboard (25)	FM-EMG-03_CB_HH-EMG-05	724	724	289	289	2,000	610	457	2.25
FM-HTP-01	Panelboard (25)	FM-DP-01_CB_FM-HTP-01	5,007	5,007	2,040	2,040	2,000	1,701	457	17.30
FM-HVTR-01_Sec	Cable Bus (25)	FM-HVTR-01_FS_BON	17,223	287	7,415	123	2,000	3,200	610	34.64
FM-PP-02	Panelboard (25)	FM-DP-01_CB_FM-PP-02	7,234	7,234	3,000	3,000	2,000	2,082	457	25.88
FM-PP-03	Panelboard (25)	FM-DP-01_CB_FM-PP-03	4,155	4,155	1,681	1,681	2,000	1,548	457	14.31
FM-PP-04	Panelboard (25)	FM-DP-01_CB_FM-PP-04	5,828	5,828	2,391	2,391	2,000	1,853	457	20.41
FM-PP-05	Panelboard (25)	FM-DP-01_CB_FM-PP-05	5,106	5,106	2,082	2,082	2,000	1,728	457	17.67
FM-PP-06	Panelboard (25)	FM-DP-01_CB_FM-PP-06	5,165	5,165	2,107	2,107	16	152	457	0.14
FM-PP-07	Panelboard (25)	FM-DP-01_CB_FM-PP-07	6,845	6,845	2,830	2,830	2,000	2,006	457	24.35
FM-PP-08	Panelboard (25)	FM-DP-01_CB_FM-PP-08	8,273	8,273	2,914	2,914	2,000	2,057	457	25.13
FM-PP-09	Panelboard (25)	FM-DP-01_CB_FM-PP-09	8,175	8,175	2,878	2,878	2,000	2,033	457	24.80
FM-PP-10	Panelboard (25)	FM-DP-01_CB_FM-PP-10	6,639	6,639	2,741	2,741	15	177	457	0.17
FM-PP-11	Panelboard (25)	FM-DP-01_CB_FM-PP-11	4,471	4,471	1,813	1,813	16	152	457	0.13
FM-PP-12	Panelboard (25)	FM-DP-01_CB_FM-PP-12	7,398	7,398	2,590	2,590	2,000	1,929	457	22.22
FM-PP-14	Panelboard (25)	FM-PP-04_CB_PP-14	5,278	5,278	2,155	2,155	17	152	457	0.15
FM-PP-15	Panelboard (25)	FM-PP-06_CB_PP-15	2,648	2,648	892	892	509	558	457	1.86
FM-PP-16	Panelboard (25)	FM-DP-01_CB_FM-PP-16	5,282	5,282	2,157	2,157	16	152	457	0.15
FM-PP-17	Panelboard (25)	FM-DP-01_CB_FM-PP-17	4,652	4,652	1,889	1,889	16	152	457	0.13
FM-SPL-1034	Panelboard (25)	FM-DSW-12_FS	12,033	12,033	5,131	5,131	2,000	2,795	457	47.19
FM-SPL-1035_208V	Panelboard (25)	FM-DSW-14_FS	937	937	373	373	2,000	710	457	3.06
FM-TRAN-01_Pri	Cable Bus (25)	FM-DSW-14_FS	10,437	10,437	4,418	4,418	10	177	457	0.19
FM-TRAN-03_Sec	Cable Bus (25)	FM-DSW-14_FS	942	942	376	376	2,000	710	457	2.97
FM-TRAN-04_Pri	Cable Bus (25)	FM-PP-02_CB_TRAN-04	5,952	5,952	2,444	2,444	8	128	457	0.09
FM-TRAN-05_Sec	Cable Bus (25)	FM-DSW-14_FS	894	894	356	356	2,000	686	457	2.81
FM-UPS-01	Panelboard (25)	FM-EMG-03_CB_FM-UPS-01	847	847	314	314	2,000	457	457	1.26

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NOT FOR
CONSTRUCTION**

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Client/Project Logos

Client/Project
MEMORIAL UNIVERSITY OF
NEWFOUNDLAND
SHORT CIRCUIT, COORDINATION,
DEVICE EVALUATION, & ARC FLASH
ST. JOHN'S, NL

Title
FACILITIES MANAGEMENT
POWER SYSTEM MODEL

Project No. 133411869		Scale NONE
Revision 0	Sheet 1 of 1	Drawing No. G1

G1