MECHANICAL / ELECTRICAL / PLUMBING COORDINATION SCHEDULE

EQUIPMENT IDENTIFICATION				ELECTRICAL CHARACTERISTICS											CONTROL		ELECTRICAL CONNECTION REQUIREMENTS (Note 1.)									SPECIFICATIONS FOR ELECTRICAL CONNECTIONS BY DIVISION 16														
																	UNIT MOUNTED				REMOTE MOUNTED					DISCONNECTING MEANS (Note 3.)				MOTOR STARTER (Note 4.)			FEEDER			CIRCUIT				
																	DISCONNECTING MEANS		MOTOR STARTER		DISCONNECTING MEANS		MOTOR STARTER					NEMA ENCL. TYPE											
DESIGNATION	DESCRIPTION	LOCATION	SERVES	HORSEPOWER	KILO-WATT	FULL LOAD AMPS	MOCP	MFS	WSA/MCA	VOLTAGE	PHASE	WIRE	NORMAL POWER	EMERGENCY POWER	BUILDING MANAGEMENT SYSTEM	FIRE ALARM	DIV. 15	DIV. 16	DIV. 15	DIV. 16	DIV. 15	DIV. 16	DIV. 15	DIV. 16	LOCATION (Note 2.)	SWITCH SIZE (Amps)	FUSE SIZE IF REQUIRED (Amps)	UNIT MTD.	REMOTE MTD.	TYPE	NEMA SIZE	NEMA ENCL. TYPE	FEEDER (AWG / kcmil)	GROUND (AWG / kcmil)	CONDUIT SIZE	PANEL / MCC DESIGNATION AND CIRCUIT ID	OCPD (Amps / Poles)	NOTES	REMARKS
HVAC EQUIPMENT																																							
AHU-6ED	AIR HANDLING UNIT	CHARLES ST. PENTHOUSE 5 FLR.	EMERGENCY DEPT.	125		156				480	3	3		YES	YES	YES	NO	YES					VFD		PENTHOUSE MECH.	400		YES					3#3/0	1#2	2"	DPEQ452	400A/3P		DISCONNECT BY 16000 AT AHU-6ED
RF-6ED	RETURN AIR FAN	CHARLES ST. PENTHOUSE 5 FLR.	EMERGENCY DEPT.	50		65				480	3	3		YES	YES	YES	NO	YES					VFD		PENTHOUSE MECH.	200		YES					3#2	1#6	1 1/2"	DPEQ452	175A/3P		DISCONNECT BY 16000 AT RF-6ED
AHU-6ED	POWER FOR LIGHTS	CHARLES ST. PENTHOUSE 5 FLR.								120	1	2	YES												PENTHOUSE MECH.								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		DEDICATED CIRCUIT FOR LIGHTS
EF-ED-1	ISOLATION RM. EXHAUST FAN	CHARLES PENTHOUSE 5 FLR.	EMERGENCY DEPT.	5		7.6				480	3	3		YES	YES	YES	NO	YES					VFD		PENTHOUSE MECH.	20		YES					3#12	1#12	3/4"	DPEQ453	20A/3P		DISCONNECT BY 16000 AT FAN
EF-ED-2	INDOOR DECONTAMATION RM.	CHARLES PENTHOUSE 5 FLR.	EMERGENCY DEPT.	1.5		2.6				480	3	3		YES	YES	YES	NO	YES					VFD		PENTHOUSE MECH.	15		YES					3#12	1#12	3/4"	DPEQ453	15A/3P		DISCONNECT BY 16000 AT FAN
EF-ED-3	EXTERIOR AMBULANCE EXH. FAN	ROOF ABOVE PENTHOUSE	EMERGENCY DEPT.	20		27				480	3	3		YES	YES	YES	NO	YES					VFD		PENTHOUSE MECH.	60		YES					3#8	1#8	3/4"	DPEQ452	70A/3P		DISCONNECT BY 16000 AT FAN
AHU-6ED	POWER FOR RECEPTACLES	CHANLES ST. PENTHOUSE	EMERGENCY DEPT.							120	1	2	YES												PENTHOUSE MECH.								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		DEDICATED CIRCUIT FOR RECEPACLES
CP-6ED	CONDENSATE PUMP	CHARLES PENTHOUSE 5 FLR.	EMERGENCY DEPT.	(2) 3		4.8				480	3	3	YES	YES	YES		YES						YES		PENTHOUSE MECH.								3#12	1#12	3/4"	DPEQ452	15A/3P		DUPLEX ONLY (1) MOTOR TO OPERATE AT A TIME
AHU-6ED	AIR HANDLING CONTROL POWER	CHARLES PENTHOUSE 5 FLR.	EMERGENCY DEPT.							120	1	2	YES	YES	YES										PENTHOUSE MECH.								3#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		DEDICATED CIRCUIT FOR CONTROLS
DAC-1	DOOR AIR CURTAIN HEATER	BASEMENT VEST. B503-ER	EMERGENCY DEPT.	(2) 1		(2) 1.8				480	3	3		YES	YES		YES						VFD		Vest. B-503-ER								3#12	1#12	3/4"	DPEQ4S1	15A/3P		
DAC-2	DOOR AIR CURTAIN HEATER	BASEMENT VEST. B002-ER	EMERGENCY DEPT.	(2) 1		(2) 1.8				480	3	3		YES	YES		YES						VFD		Vest. B-002-ER								3#12	1#12	3/4"	EQP	15A/3P		
DAC-3	DOOR AIR CURTAIN HEATER	BASEMENT CORR. B112	EMERGENCY DEPT.	(2) 1		(2) 1.8				480	3	3		YES	YES		YES						VFD		Corridor B11260								3#12	1#12	3/4"	EQP	15A/3P		
CUH-2	CABINET UNIT HEATER	BASEMENT (SEE PLANS)	EMERGENCY DEPT.	1/10						120	1	2		YES	YES		YES		YES						See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		TYPICAL FOR THREE (3)
UH-1	UNIT HEATER	DECONTAMINATIN RM.B501	DECONTAMINATION RM.501	1/20						120	1	2		YES	YES		NO	YES							See Floor Plans								2#12	1#12	3/4"	BR. CKT. PNL	20A-1P		
NOTE 12(H300.A)	ELECTRIC Heat Lamps	Exterior Ambulance/Decontam.	Exterior Decontamation		(6) 10.9					480	3	3	YES		YES		NO	YES	NO						EXTERIOR DECONTAM								3#3	1#8	1 1/4"	DPN4S1	90A/3P		SIX (EHL-1)ELECTRIC HEAT LAMPS
TB BOXES	CONTROL POWER	Charles ST. SECTOR A-BSMT.	Terminal Boxes							120	1	2		YES	YES		NO		NO						See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		(2) DEDICATED CIRCUITS FOR TB
TB BOXES	CONTROL POWER	RICHARD SECTOR B-BSMT.	Terminal Boxes							120	1	2		YES	YES		NO		NO						See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		(2) DEDICATED CURCUITS FOR TB
FD/SD	FIRE/SMOKE DAMPERS	BASEMENT Sector A&B	DUCTWORK							120	1	2		YES	YES	YES									See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		
SD	SMOKE DAMPERS	BASEMENT Sector A&B	DUCTWORK							120	1	2		YES	YES	YES									See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		
AHU-6ED/ SD-1	SUPPLY SMOKE DAMPER	CHARLES ST. PENTHOUSE	EMERGENCY DEPT.							120	1	2		YES	YES	YES									See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		
AHU-6ED/ SD-2	RETURN SMOKE DAMPER	CHARLES ST. PENTHOUSE	EMERGENCY DEPT.							120	1	2		YES	YES	YES									See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		
AHU-6ED/DSD-1	SUPPLY SMOKE DETECTOR	CHARLES ST. PENTHOUSE	EMERGENCY DEPT.							120	1	2		YES	YES	YES									See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		PROVIDED BY DIV. 16000 F.A.
AHU-6ED/DSD-2	RETURN SMOKE DAMPER	CHARLES ST. PENTHOUSE	EMERGENCY DEPT.							120	1	2		YES	YES	YES									See Floor Plans								2#12	1#12	3/4"	BR. CKT.PNL.	20A/1P		PROVIDED BY DIV. 16000 F.A.
SNOW MELT	CONTROL PANEL	BEAN SUB-BASEMENT	SNOW MELT SYSTEM							120	1	2		YES	YES										BEAN SUB-BASEMENT								2#12	1#12	3/4"	LEQ-SB	20A/1P		DEDICATED CIRCUIT
P-1	SNOW MELT PUMP	BEAN SUB-BASEMENT	SNOW MELT SYSTEM	5						480	3	3		YES	YES						YES		YES		BEAN SUB-BASEMENT								3#12	1#12	3/4"	EMCC	15A/3P		
P-2	SNOW MELT PUMP	BEAN SUB-BASEMENT	SNOW MELT SYSTEM	5						480	3	3		YES	YES						YES		YES		BEAN SUB-BASEMENT								3#12	1#12	3/4"	EMCC	15A/3P		

GENERAL LEGEND:
MOCP - MAXIMUM OVERCURRENT PROTECTION
MFS - MAXIMUM FUSE SIZE
WSA / MCA - WIRE SIZE AMPS / MINIMUM CIRCUIT AMPACITY
MCC - MOTOR CONTROL CENTER
OCPD - OVERCURRENT PROTECTIVE DEVICE

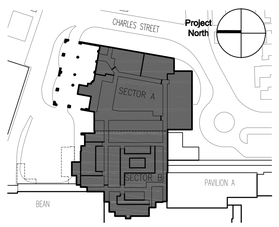
STARTER TYPE LEGEND:
MMS - MANUAL MOTOR STARTER
FVNR - FULL VOLTAGE NON-REVERSING
RVAT - REDUCED VOLTAGE AUTO-TRANSFORMER
SSRV - SOLID STATE REDUCED VOLTAGE
VFD - VARIABLE FREQUENCY DRIVE

NOTES:
1. ELECTRICAL CONNECTIONS INDICATED TO BE FURNISHED AND/OR INSTALLED BY DIVISION 15 SHALL BE SPECIFIED AND SIZED BY EQUIPMENT MANUFACTUER.
2. LOCATION DENOTES ROOM OR MOTOR CONTROL CENTER WHERE REMOTE MOUNTED ELECTRICAL CONNECTION(S) SHOULD BE INSTALLED. REFER TO ELECTRICAL FLOOR PLANS OR SCHEDULE SHEETS RESPECTIVELY FOR EXACT LOCATIONS.
3. WHERE MULTIPLE DISCONNECTING MEANS ARE UTILIZED IN AN MEP EQUIPMENT CIRCUIT, THEY SHALL BE SIZED ALIKE UNLESS NOTED OTHERWISE.
4. WHERE MOTOR STARTER AND DISCONNECTING MEANS CONTROLLING THE SAME EQUIPMENT ARE LOCATED TOGETHER, A COMBINED ENCLOSURE SHALL BE PROVIDED.
5. VARIABLE FREQUENCY DRIVE, DISCONNECTING MEANS FURNISHED BY DIVISION 15, INSTALLED BY DIVISION 16.
6. VARIABLE FREQUENCY DRIVE IS LOCATED WITHIN SIGHT OF MOTOR BEING CONTROLLED.
7. DIV. 16 SHALL PROVIDE A SINGLE POINT ELECTRICAL CONNECTION TO CONTROL PANEL, AND INDIVIDUAL CONNECTIONS FROM CONTROL PANEL TO MOTORS AS REQUIRED.

General Notes:

MARK	ISSUE DATE	DESCRIPTION
A1	01/10/08	ADDENDUM NO.1
BID	12/14/07	BID SET

Issue Log



Key Plan

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Drawing Title
MEP COORDINATION SCHEDULE

Drawn By	AB	Commission No.	4696
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Phase / Package Number	Sheet Number
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