



APEGA  
PERMIT TO  
PRACTICE  
P 3979

PANEL PNL-MR5 SCHEDULE													
LOCATION: UPPER WEST MECHANICAL ROOM				VOLTAGE: 208/120 V				PHASE: 3		WIRE: 4			
MOUNTING: Wall				BUS RATING: 100 A									
INCOMING LUGS:				MAIN BREAKER: 100 A									
MANUFACTURER:				FEEDER: MCC 7									
CCT No.	DESCRIPTION	POWER (kW)			BKR AMPS	BUS			BKR AMPS	POWER (kW)			CCT No.
		A	B	C		A	B	C		A	B	C	
1	P-217A	1.2			25	A			15	0.4			2
3	P-218B		1.2		25		B		15		0.4		4
5	P-220A			1.2	25			C	15			1.2	6
7	ROOF TOP RECEPTACLE				20	A			15				8
9	ROOF TOP RECEPTACLE				20		B		15				10
11		3.2						C					12
13	CU-226A		3.2		40	A							14
15				3.2			B						16
17								C					18
SUBTOTALS:		4.4	4.4	4.4						0.4	0.4	1.2	
NOTES:													
										PHASE A TOTAL -	4.8	kW	
										PHASE B TOTAL -	4.8	kW	
										PHASE C TOTAL -	5.6	kW	
										PANEL LOAD TOTAL -	15.2	kW	

DUCT SMOKE DETECTOR SCHEDULE		
EXISTING MECHANICAL EQUIPMENT TAG	NEW MECHANICAL EQUIPMENT	SCOPE
AH-1	AHU-1	NOTE 1
AH-2	AHU-2	NOTE 1
RTU	AHU-3A	NOTE 1
AH-3	AHU-3B	NOTE 1
-	AHU-3C	INSTALL NEW DUCT SMOKE DETECTORS AND CONTROL RELAYS ON SUPPLY AND RETURN AIR SIDES OF UNIT.
AH-4	AHU-4E	NOTE 1
-	AHU-4F	INSTALL NEW DUCT SMOKE DETECTORS AND CONTROL RELAYS ON SUPPLY AND RETURN AIR SIDES OF UNIT.
AH-5	AHU-5	NOTE 1
AH-6	AHU-6	NOTE 1
AH-7	AHU-7G	NOTE 1
-	AHU-7H	INSTALL NEW DUCT SMOKE DETECTORS AND CONTROL RELAYS ON SUPPLY AND RETURN AIR SIDES OF UNIT.
AH-8	AHU-8	NOTE 1
AH-9	AHU-9	NOTE 1
AH-13	AHU-13A	NOTE 1
-	AHU-13B	INSTALL NEW DUCT SMOKE DETECTORS AND CONTROL RELAYS ON SUPPLY AND RETURN AIR SIDES OF UNIT.
AH-14	AHU-14	NOTE 1
AH-15	AHU-15	NOTE 1
AH-10	AHU-10C	NOTE 1
-	AHU-10D	INSTALL NEW DUCT SMOKE DETECTORS AND CONTROL RELAYS ON SUPPLY AND RETURN AIR SIDES OF UNIT.
AH-11	AHU-11	NOTE 1
AH-12	AHU-12	NOTE 1
AH-16	AHU-16	DEMOLISH EXISTING RETURN AIR DUCT SMOKE DETECTOR FROM DUCTS FOR AH-17. REMOVE EXISTING SUPPLY DUCT SMOKE DETECTOR FROM AH-17 AND SUPPLY AND RETURN DETECTORS FROM DUCTS FOR AH-16. KEEP WIRING INTACT AND ENSURE DEVICE IS PROTECTED UNTIL NEW DUCTWORK AND AIR HANDLER ARE INSTALLED. RE-INSTALL THESE THREE DEVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED. INSTALL ONE ON RETURN AIR FOR AHU-16 AND ONE ON EACH SUPPLY OFFSHOOT (2) OF AHU-16.
AH-17	-	
AH-18	AHU-18	DEMOLISH EXISTING RETURN AIR DUCT SMOKE DETECTOR FROM DUCTS FOR AH-19. REMOVE EXISTING SUPPLY DUCT SMOKE DETECTOR FROM AH-19 AND SUPPLY AND RETURN DETECTORS FROM DUCTS FOR AH-18. KEEP WIRING INTACT AND ENSURE DEVICE IS PROTECTED UNTIL NEW DUCTWORK AND AIR HANDLER ARE INSTALLED. RE-INSTALL THESE THREE DEVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED. INSTALL ONE ON RETURN AIR FOR AHU-18 AND ONE ON EACH SUPPLY OFFSHOOT (2) OF AHU-18.
AH-19	-	
AH-23	AHU-23	NOTE 1
AH-26	AHU-26	NOTE 1
AH-27	AHU-27	NOTE 1
AH-28	AHU-28	NOTE 1
AH-29	AHU-29	NOTE 1
AH-30	AHU-30	NOTE 1
AH-32	AHU-32	NOTE 1
AH-47	CRAC-1	NOTE 1
AH-101	AHU-101	NOTE 1
AH-103	AHU-103	NOTE 1
AS-1	AS-1	NOTE 1
AS-2	AS-2	NOTE 1
-	-	INSTALL NEW DUCT SMOKE DETECTORS AND CONTROL RELAYS IN DUCT NEAR RETURN GRILLES INDICATED ON E18 ON LOWER FLOOR OF BLOCKS A, B, C, D, E, F, G, AND H. INSTALL 2C #12 + #14 GND IN 21mm CONDUIT FROM SMOKE DAMPERS LOCATED NEXT TO SMOKE DETECTORS TO PANELS LOCATED IN TUNNELS. CONNECT DAMPERS IN BLOCKS A AND B TO PANEL A3. CONNECT DAMPERS IN BLOCKS C AND D TO PANEL C3. CONNECT DAMPERS IN BLOCKS E AND F TO PANEL E3. CONNECT DAMPERS IN BLOCKS G AND H TO PANEL G3.
-	-	INSTALL NEW DUCT SMOKE DETECTORS AND CONTROL RELAYS IN DUCT NEAR RETURN GRILLES INDICATED ON E19 ON UPPER FLOOR OF BLOCKS A, B, C, D, E, F, G, AND H. INSTALL 2C #12 + #14 GND IN 21mm CONDUIT FROM SMOKE DAMPERS LOCATED NEXT TO SMOKE DETECTORS TO PANELS LOCATED IN TUNNELS. CONNECT DAMPERS IN BLOCKS A AND B TO PANEL A3. CONNECT DAMPERS IN BLOCKS C AND D TO PANEL C3. CONNECT DAMPERS IN BLOCKS E AND F TO PANEL E3. CONNECT DAMPERS IN BLOCKS G AND H TO PANEL G3.
NOTE 1: REMOVE EXISTING DUCT SMOKE DETECTORS FROM SUPPLY AND RETURN AIR DUCT AND KEEP WIRING INTACT. ENSURE DEVICES ARE PROTECTED UNTIL NEW DUCTWORK AND AIR HANDLER ARE INSTALLED. RE-INSTALL DEVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED.		

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**PUBLIC WORKS & GOVERNMENT SERVICES CANADA**

Project title/Titre du projet

**EDMONTON MAXIMUM SECURITY INSTITUTION**

Approved by/Approuvé par  
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Designed by/Concept par  
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Client/client  
PUBLIC WORKS & GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin  
**DISTRIBUTION PANEL SCHEDULE  
PANEL MR5**

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