

TO: Adam Lo Bianco

PAGE: 1 of 7

DATE: November 06, 2025

PROJECT NO.: 60723990

CONTRACT: Electrical

PROJECT: FMAA QTA
Fort McMurrayREASON FOR ADDENDUM:
Response to RFIsISSUED BY: Rick Lin

TO ALL BIDDERS OF RECORD**1. GENERAL**

- 1.1 This Addendum is issued prior to Tender closing to provide for certain revisions as noted herein.
- 1.2 All such revisions will become part of the Work and the effects shall be included in the Tender Price.
- 1.3 All work shall be performed in accordance with the Contract Documents.

2. REFERENCE DRAWINGS E100

- 2.1 **ADD** separate circuits 2C-13 and 2C-14 to security cabinet on light pole.
- 2.2 **ADD** 120V power provision circuit 2B-10 and 2B-12 with associated new keynote P9 to entry and exit motorized gate.

3. REFERENCE DRAWINGS E201

- 3.1 ADD 2 x 103mm rigid PVC stub up in Comm/IT room for future Telus service connections and new associated keynote T4. **Clarification:** TELUS is undertaking new services to the project area and demarcation point are yet to be determined.
- 3.2 **REVISE** locations of power connection to mechanical equipment P-1, P-2, P-3, P-4, P-5, P-6, B-1, B-2, GFT-3 and BMS in mechanical room.
- 3.3 **REMOVE** power connection to mechanical equipment EF-5 in mechanical room.
- 3.4 **ADD** power provision to mechanical equipment P-7 with circuit 2M-28 and UH-8 with circuit 2M-3.
- 3.5 **ADD** power connection to mechanical equipment SF-2 with circuit 2M-6.
- 3.6 **ADD** 120V connection between thermostat and its controlled mechanical device throughout building area and add new associated keynote P10.
- 3.7 **ADD** power interconnection between VFDs in car wash equipment room and EF-1, EF-2, EF-3, and EF-4. Add associated new keynote P11.

4. REFERENCE DRAWINGS E400

- 4.1 **ADD** 120V 20A breakers for entry and exit gate power in panel 2B.
- 4.2 **REVISE** panel 2C from a 12 circuits panel to a 16 circuits panel.
- 4.3 **ADD** 120V 20A breakers for light pole security cabinet.

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5. REFERENCE DRAWINGS E402

- 5.1 **REVISE** circuit #3 description as show in the clouded area. UH-1, UH-2 and the new added UH-8 to be grouped in the same circuit.
- 5.2 **REVISE** breaker size of 2-poles circuit 13, 17 from 20A to 30A for CU-3.
- 5.3 **REVISE** circuit #6 description and 1 pole breaker size from 20A to 25A for the new added SF-2.
- 5.4 **ADD** 1 pole 20A circuit breaker to circuit #28 for the new added P-7.
- 5.5 **REVISE** mechanical equipment schedule as shown in the clouded area.

6. REFERENCE SPECIFICATION DIV. 26

- 6.1 **REMOVE** luminaire schedule from 26 50 00 2.4. Replace with description "1. Refer to luminaire schedule on electrical drawing for specification."

End of Addendum E01

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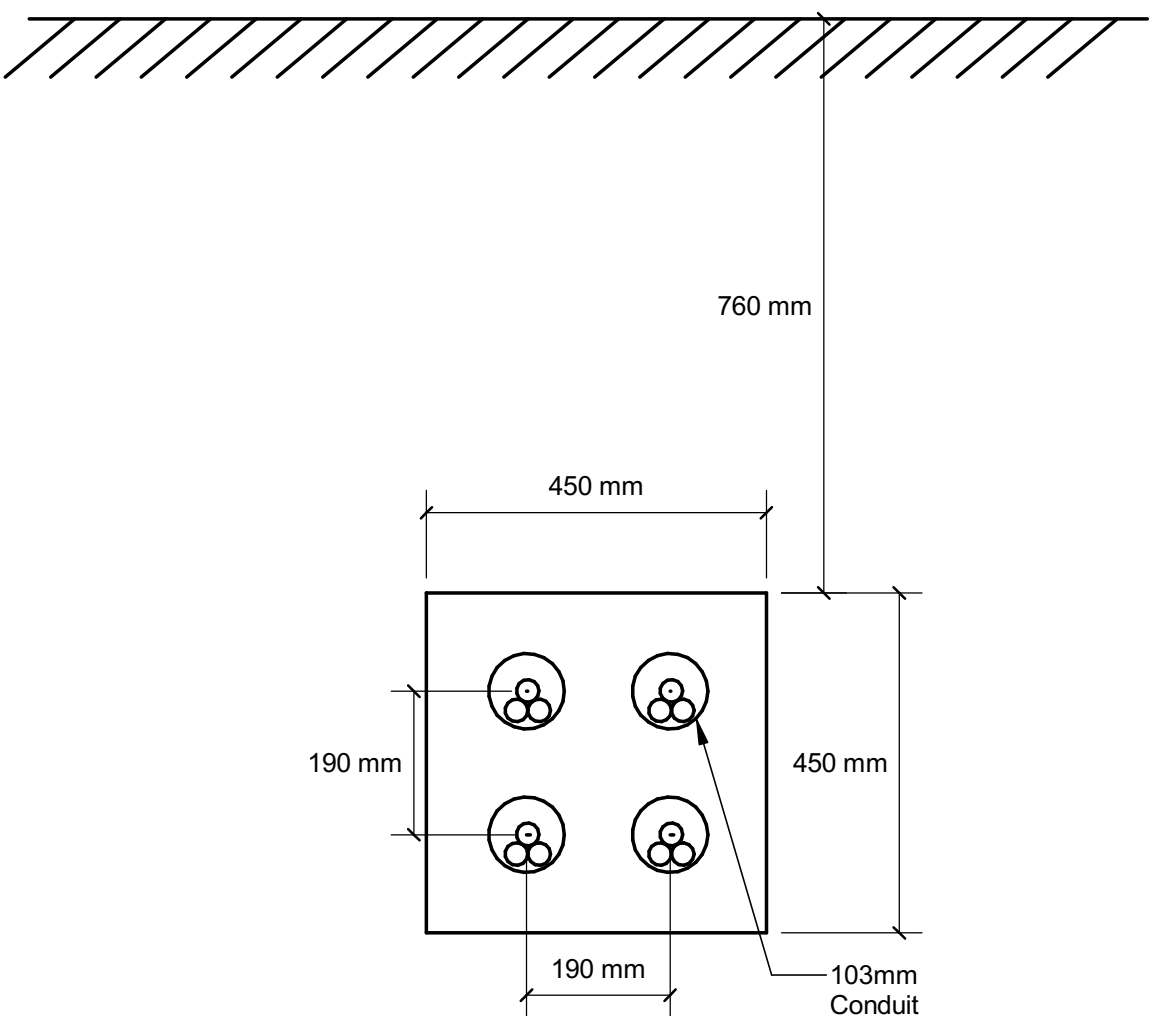
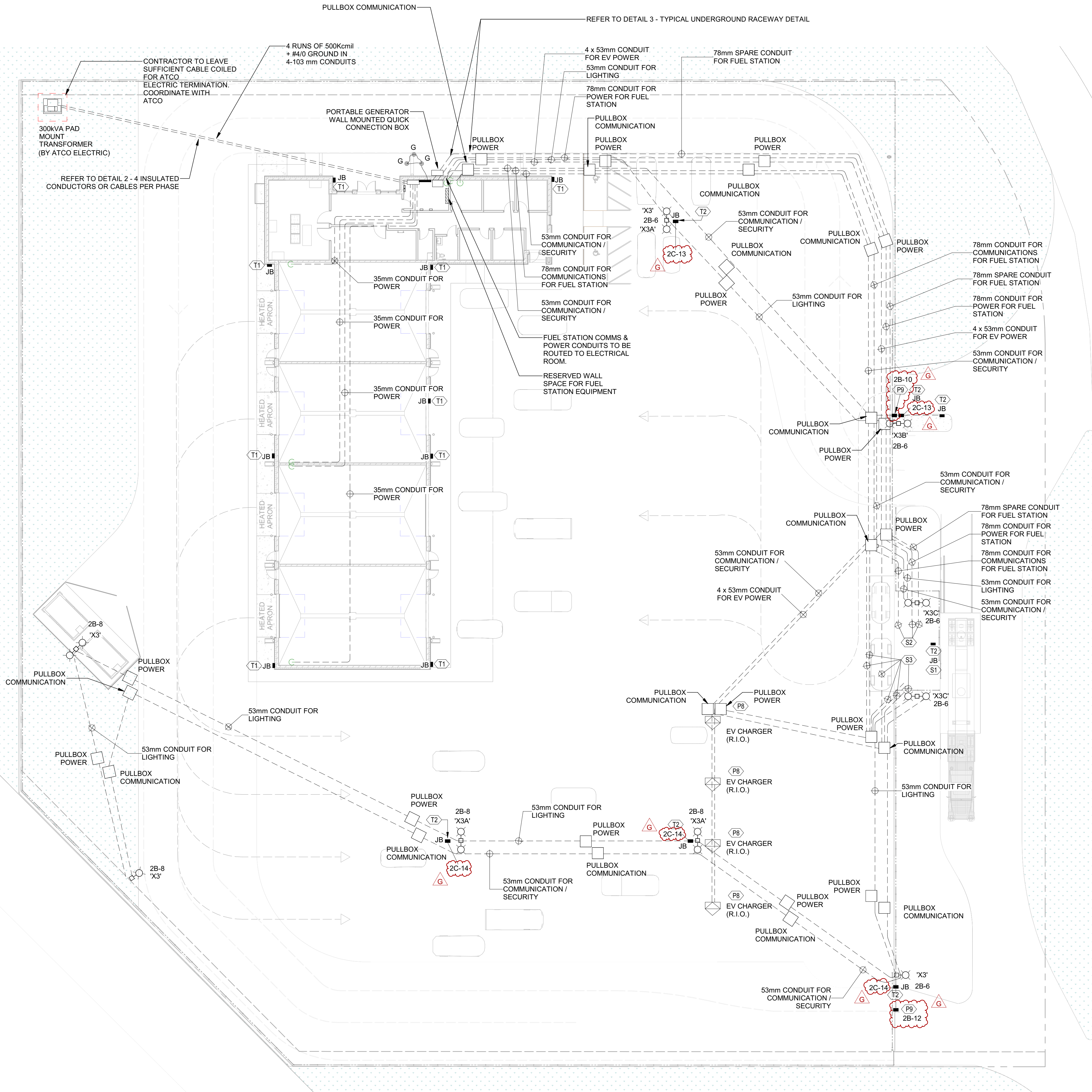
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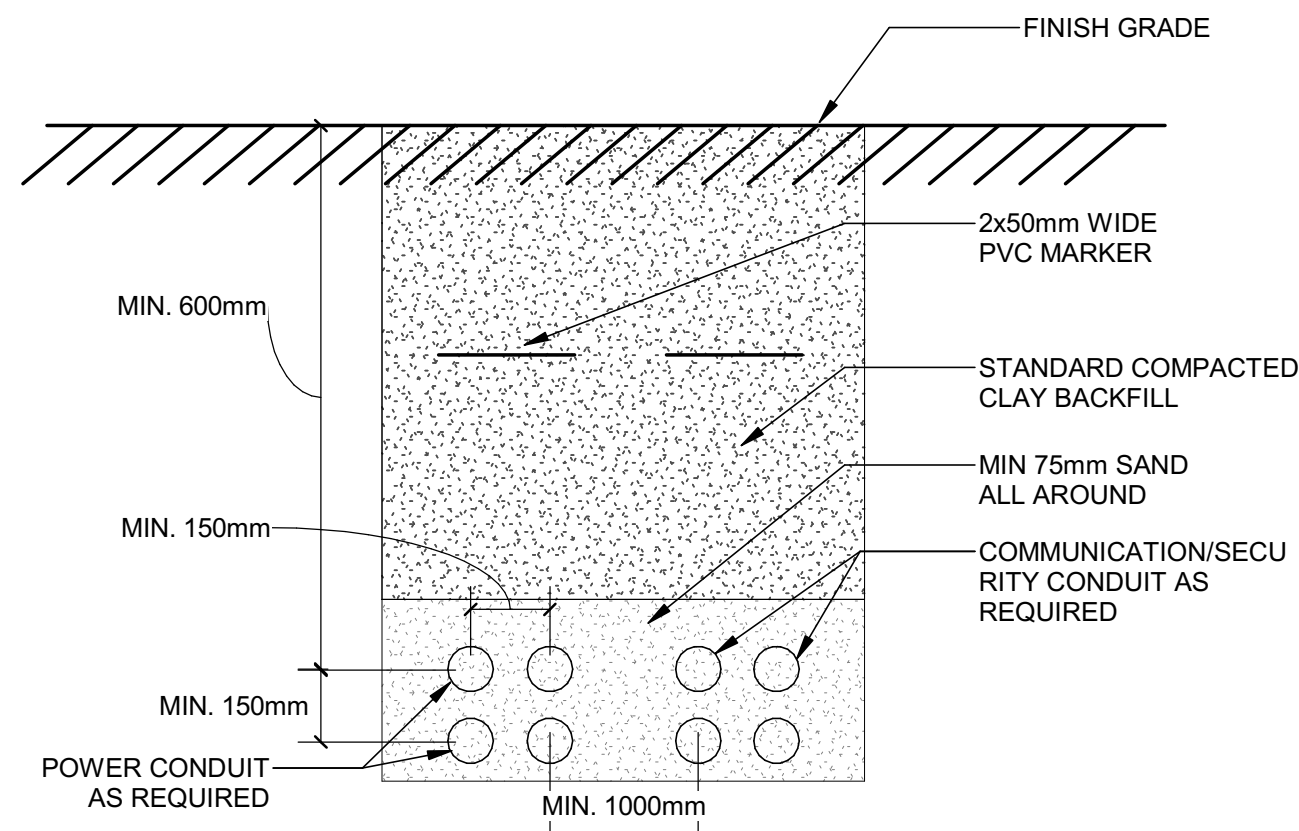
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1 Site plan
1 : 200



2 4 INSULATED CONDUCTORS OR CABLES PER PHASE
N.T.S.



3 TYPICAL UNDERGROUND RACEWAY DETAIL
N.T.S.

SITE PLAN GENERAL NOTE

- PULL BOXES ARE FOR PULLING PURPOSES ONLY AND ARE NOT TO BE USED FOR CABLE SPLICING.
- COORDINATE INSTALLATION OF ALL UNDERGROUND CONDUITS AND PILES WITH DEEP SERVICES ON SITE
- NEW PADMOUNT UTILITY TRANSFORMER SUPPLIED AND INSTALLED BY ATCO. CONTRACTOR TO PROVIDE AND INSTALL SECONDARY DUCT BANK AND FEEDERS, TRANSFORMER, VAULT STYLE PAD, GROUND GRID, AND GUARD RAIL TO UTILITY COMPANY SPECIFICATIONS. REFER TO ATCO CUSTOMER CONNECTION GUIDE.
- COORDINATE ALL UNDERGROUND WORK WITH CIVIL, MECHANICAL, AND LANDSCAPE DRAWINGS.
- BURIAL DEPTH OF ALL CONDUITS TO CSA C22.1 REQUIREMENTS.
- PERFORM ALL WORK IN ACCORDANCE WITH ALBERTA EDITION NATIONAL BUILDING CODE AND CANADIAN ELECTRICAL CODE.
- REFER TO LATEST ATCO CUSTOMER CONNECTION GUIDE FOR ADDITIONAL SPECIFICATIONS AND DETAIL NOT SHOWN ON THIS PLAN.
- BUILDING GROUND GRID C/W GROUND RODS AND BARE COPPER INTERCONNECTION TO ELECTRICAL ROOM GROUND BUS.

KEYNOTES

- P8 ROUGH-IN FOR EV CHARGER TO BE COMPLETE WITH CONDUIT FROM EV CHARGER PANEL A TO EACH EV CHARGER LOCATION WITH CONDUIT STUB UP TO A SURFACE JUNCTION BOX BEARY FOR FUTURE INSTALLATION.
- P9 PROVIDE 120V POWER CONNECTION TO MOTORIZED GATE.
- S1 PROVIDE 27mm CONDUIT FOR INTERCONNECTION OF EMERGENCY FUEL SHUT OFF FOR FUEL STATION. EXACT REQUIREMENT AND CONDUIT ROUTING TO BE COORDINATED ON SITE.
- S2 CONDUIT STUB UP LOCATION TO BE COORDINATED WITH FUEL STATION VENDOR PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO INCLUDE ALL CONDUIT AND BACK AS REQUIRED TO FACILITATE POWER CONNECTION TO FUEL STATION EQUIPMENT THAT REQUIRES POWER INCLUDING BUT NOT LIMITED TO CONTROL PANEL AND LIGHTING ETC.
- S3 ALTERNATIVE ENTRY PATH FOR SPARE. POWER AND COMMUNICATION/SECURITY FOR FUEL STATION.
- T1 PROVIDE 27mm EMPTY CONDUIT FROM SECURITY/TELECOMM CONTROL PANEL TO FIELD DEVICES. SUPPLY ADDITIONAL RACEWAY AS REQUIRED FOR INTERCONNECTION OF FIELD DEVICE. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND REQUIREMENT.
- T2 JB DENOTES APPROXIMATE LOCATION FOR SECURITY/COMMUNICATION FIELD DEVICE. UTILIZE UNDERGROUND RACEWAY FOR SECURITY/COMMUNICATION TO FACILITATE CONNECTION TO FIELD DEVICE. SUPPLY ADDITIONAL RACEWAY AS REQUIRED FOR INTERCONNECTION OF FIELD DEVICE. REFER TO SECURITY DRAWINGS FOR EXACT LOCATION AND REQUIREMENT.

AECOM

CONSULTANT

PRIME:
AECOM Canada Architects Ltd.
50 Sportsworld Crossing Road, Suite 290
Kitchener, Ontario, N2P 0A4

PROJECT

**AIRPORT RENTAL
CAR QTA FACILITY**

300-100 SNOWBIRD WAY,
FORT MCMURRAY, ALBERTA

PROJECT NUMBER

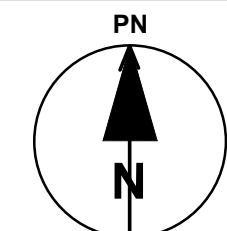
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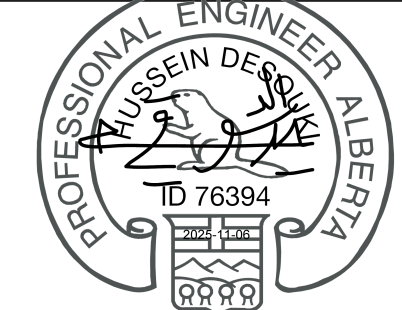
**FORT MCMURRAY
INTERNATIONAL AIRPORT**

REGISTERED OWNER:
FORT MCMURRAY AIRPORT AUTHORITY
300-100 SNOWBIRD WAY
FORT MCMURRAY, AB, T9H 0G3

NORTH ARROW AND KEYPLAN



KEY PLAN



PERMIT TO PRACTICE
AECOM CANADA ULC

RM SIGNATURE: *Hussein Elgizal*

RM APEGA ID #: 64113

DATE: 6 Nov. 2025

PERMIT NUMBER: P010450

The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED. WITH THE SOLE EXCEPTION OF THE BENCHMARK(S) SPECIFICALLY DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED HEREIN IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

ISSUE/REVISION

G	06/11/2025	ADDENDUM E01
F	24/04/2025	ISSUED FOR TENDER (DRAFT)
E	14/02/2025	100% SUBMISSION
D	07/02/2025	ISSUED FOR 100% REVIEW
C	10/06/2024	60% SUBMISSION
B	31/05/2024	DRAFT 60% SUBMISSION
A	19/04/2024	30% SUBMISSION
I/R	DATE	DESCRIPTION

PRODUCTION INFORMATION

DRAWN: Author

REVIEWED: Checker

VERIFIED: Approver

SHEET TITLE

SITE PLAN

SHEET NUMBER

E100

REVISION

G

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ARCH D 24" x 36"

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FILENAME: Autodesk Docs\BP-AMER (CAN) 60723990-FMAA QTA\60723990-FMAA QTA-01-E-R23.rvt

Branch Panel: MDP										
Location: ELEC 08				Volts: 208/120 Wye				A.I.C. Rating: 35kA		
Supply From:				Phases: 3				Mains Type: LGIS		
Mounting:				Wires: 4				Mains Rating: 1200 A		
Enclosure:										
CKT	Circuit Description				Trip	Poles	A	B	C	
1,2,3	2A				200 A	3	0 VA	0 VA	0 VA	
4,5,6	2B				100 A	3	6357 VA	3686 VA	3750 VA	
7,8,9	2C				50 A	3	5296 VA	4440 VA	4416 VA	
10,11,12	2M				200 A	3	22122 VA	21744 VA	22315 VA	
13,14,15	2F1				70 A	3	6512 VA	6362 VA	6362 VA	
16,17,18	2F2				70 A	3	6512 VA	6362 VA	6362 VA	
19,20,21	2F3				70 A	3	6512 VA	6362 VA	6362 VA	
22,23,24	2F4				70 A	3	6512 VA	6362 VA	6362 VA	
25,26,27	SPACE				--	3	--	--	--	
28,29,30	SPACE				--	3	--	--	--	
Total Load:							59825 VA	55319 VA	55930 VA	
Total Amps:							499 A	461 A	467 A	
Legend:										
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals					
HVAC		126016 VA	75.00%	94512 VA	Total Conn. Load: 171073 VA					
LIGHTING		6993 VA	125.00%	8741 VA	Total Est. Demand: 128745 VA					
Other		4400 VA	100.00%	4400 VA	Total Conn. Current: 475 A					
CABINET OUTLET		5760 VA	50.00%	2880 VA	Total Est. Demand Current: 357 A					
CONV. RECEPT.		13800 VA	60.00%	8280 VA	Total Est. Demand Current *1.25: 447 A					
DOOR OPERATOR		7312 VA	60.00%	4387 VA						
RACK OUTLET		4992 VA	75.00%	3744 VA						
COMMUNICATION		1800 VA	100.00%	1800 VA						

Branch Panel: 2B

Location: ELEC 08

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 208/120 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 12kA

Mains Type: MLO

Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	CONV. RECEPT. ELEC 08	20 A	1	200	800		1	20 A	CONV. RECEPT. STORAGE 4, 5, 6, 7	2	
3	* BUILDING EXTERIOR LIGHTING	20 A	1		286	400	1	20 A	CONV. RECEPT. COMM./IT 16	4	
5	CONV. RECEPT.	20 A	1			400	1350	1	* EXTERIOR LIGHTING	6	
7	* EMERGENCY LIGHTING INVERTOR	20 A	1	1026	1050		1	20 A	* EXTERIOR LIGHTING	8	
9	CONV. RECEPT. ELEC 08	20 A	1		1000	1600	1	20 A	ENTRY GATE POWER	10	
11	WC. 06	20 A	1			400	1600	1	EXIT GATE POWER	12	
13	* BUILDING LIGHTING	20 A	1	1061	1800		1	20 A	CONV. RECEPT. MECH 09	14	
15	DOOR OPERATOR	20 A	1		400		1	20 A		16	
17										18	
19	CONV. RECEPT. ELEC 08	20 A	1	400						20	
21										22	
23										24	
25										26	
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	1	20 A	SPARE	30
Total Load:				6357 VA		3686 VA		3750 VA			
Total Amps:				53 A		31 A		31 A			

Legend:

* - BRANCH CIRCUIT TO BE PROVIDED WITH SEPARATE DIGITAL METERING

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	4793 VA	125.00%	5991 VA	
Other	3200 VA	100.00%	3200 VA	Total Conn. Load: 13793 VA
CONV. RECEPT.	5400 VA	60.00%	3240 VA	Total Est. Demand: 12671 VA
DOOR OPERATOR	400 VA	60.00%	240 VA	Total Conn. Current: 38 A
				Total Est. Demand Current: 35 A
				Total Est. Demand Current * 1.25: 44 A

Branch Panel: 2A

Location: ELEC 08

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 208/120 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 12kA

Mains Type: MLO

Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	* SPACE FOR FUTURE EV CHARGER	--	2	--	--		2	--	* SPACE FOR FUTURE EV CHARGER	2
3										4
5	* SPACE FOR FUTURE EV CHARGER	--	2	--	--		2	--	* SPACE FOR FUTURE EV CHARGER	6
7										8
9										10
11										12
Total Load:				0 VA	0 VA	0 VA				
Total Amps:				0 A	0 A	0 A				

Legend:

* - BRANCH CIRCUIT TO BE PROVIDED WITH SEPARATE DIGITAL METERING

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A
				Total Est. Demand Current * 1.25: 0 A

Branch Panel: 2C																					
Location: COMM./IT 3						Volts: 208/120 Wye				A.I.C. Rating: 12kA											
Supply From: MDP						Phases: 3				Mains Type: MLO											
Mounting: Surface						Wires: 4				Mains Rating: 50 A											
Enclosure: Type 1																					
Notes:																					
CKT	Circuit Description					Trip	Poles	A		B		C		Poles	Trip	Circuit Description					CKT
1	CONV. RECEPT. COMM./IT 3					20 A	1	400	600					1	20 A	INTRUSION DETECTION SYSTEM CABINET					2
3	RACK OUTLET					20 A	1			600	1920			1	20 A	ACCESS CONTROL SYSTEM CABINET					4
5	CABINET RECEPT. COMM./IT 3					20 A	1					1920	2496	2	20 A	RACK OUTLET					6
7	ISP CABINET					20 A	1	600	2496												
9	CABINET RECEPT. COMM./IT 3					20 A	1			1920											10
11																					12
13	LIGHT POLE SECURITY CABINET					20 A	1	480	720					1	20 A	LIGHT POLE SECURITY CABINET					14
15	SPARE					20 A	1			0	0			1	20 A	SPARE					16
						Total Load:		5296 VA		4440 VA		2416 VA									
						Total Amps:		44 A		37 A		37 A									
Legend:																					
* - BRANCH CIRCUIT TO BE PROVIDED WITH SEPARATE DIGITAL METERING																					
Load Classification						Connected Load		Demand Factor		Estimated Demand		Panel Totals									
Other						1200 VA		100.00%		1200 VA											
CABINET OUTLET						5760 VA		50.00%		2880 VA		Total Conn. Load: 14152 VA									
CONV. RECEPT.						400 VA		60.00%		240 VA		Total Est. Demand: 9864 VA									
RACK OUTLET						4992 VA		75.00%		3744 VA		Total Conn. Current: 39 A									
COMMUNICATION						1800 VA		100.00%		1800 VA		Total Est. Demand Current: 27 A									
												Total Est. Demand Current * 1.25: 34 A									

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5

4

3

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1

Branch Panel: 2M

Location: MECH. 11
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	FE-1 & FE-2	20 A	1	60	197			1	20 A SNOW MELT PANEL SMP-1	2
3	UH-1 & UH-2 & UH-8	20 A	1		173	200		1	20 A WATER SOFTNER CARWASH EQUIP. MECH. 10	4
5	UH-4, UH-5, UH-6 & UH-7	20 A	1			148	217	1	25 A SF-2	6
7	SF-1	20 A	1	370	394			1	20 A P-3 & P-4	8
9	GFT-2	20 A	1		50	600		1	20 A DWH-2	10
11	P-1	20 A	1				480	1	20 A P-2	12
13	P-5 & P-6	20 A	1	394	1581			2	20 A CU-2	14
15	CU-3	30 A	2		2163	1581				16
17						2163	2080	2	30 A CU-1	18
19	GFT-1	20 A	1	50	2080			1	20 A B-2	22
21	BUILDING MANAGEMENT SYSTEM	20 A	1		200	300		1	20 A TRAP PRIMER	24
23	GFT-3	20 A	1			50	200	1	20 A B-4	26
25	DWH-1	20 A	1	600	300			1	20 A P-7	28
27	WATER SOFTNER CARWASH EQUIP. MECH. 10	20 A	1		200	480		1	20 A B-3	30
29	CONV. RECEPT. EXTERIOR	20 A	1				400	1		32
31	B-1	20 A	1	300	701				20 A ERV-1	34
33					701	701		3		36
35	ERV-2	20 A	3		701	2879				38
37								3	30 A * CARWASH EQUIPMENT TWIST LOCK RECEPT.	40
39					2879	2879				42
41	* WASH BAY VACCUUM	20 A	3		2879	2879		3	20 A * CARWASH EQUIPMENT TWIST LOCK RECEPT.	44
43										46
45					2879	2879		1	20 A * CARWASH EQUIPMENT TWIST LOCK RECEPT.	48
47	* CARWASH EQUIPMENT TWIST LOCK RECEPT.	30 A	3				2879	2879		50
49					2879	2879				52
51						2879		3	20 A * CARWASH EQUIPMENT TWIST LOCK RECEPT.	54
53										56
55										58
57										60
59										62
61										64
63										66
65										68
67										70
69										72
71										74
73										76
75										78
77										80
79										82
81	SPARE	20 A	1		0	0		1	20 A SPARE	84
83	SPARE	20 A	1				0	0		
Total Load:				22122 VA	21744 VA	22315 VA				
Total Amps:				185 A	181 A	186 A				

Legend:

* - BRANCH CIRCUIT TO BE PROVIDED WITH SEPARATE DIGITAL METERING

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	66180 VA	75.00%	49635 VA	
				Total Conn. Load: 66180 VA
				Total Est. Demand: 49635 VA
				Total Conn. Current: 184 A
				Total Est. Demand Current: 138 A
				Total Est. Demand Current * 1.25: 172 A

PANEL SCHEDULE GENERAL NOTES

- CONTRACTOR TO INSTALL NEWLY TYPE-WRITTEN DIRECTORIES IN ALL PANELS TO CLEARLY IDENTIFY ALL CONNECTED CIRCUITS.
- AFTER INSTALLATION AND COMMISSIONING CONTRACTOR SHALL PERFORM LOAD BALANCE BETWEEN PHASE A,B, AND C FOR ALL PANELBOARDS SO THAT NO PHASE IS LOADED OVER THAN 15% OF OTHER PHASES.

MECHANICAL EQUIPMENT SCHEDULE

TAG	DESCRIPTION	VOLTAGE	POLE	VA	CONDUCTOR	CONDUIT	STARTER	NOTE
AC-1	INDOOR AIR CONDITIONING UNIT	208 V	2	0 VA	2#12+1#12BND	21mmC	SPPC	POWER BY OUTDOOR UNIT
AC-2	INDOOR AIR CONDITIONING UNIT	208 V	2	0 VA	2#12+1#12BND	21mmC	SPPC	POWER BY OUTDOOR UNIT
AC-3	INDOOR AIR CONDITIONING UNIT	208 V	2	0 VA	2#12+1#12BND	21mmC	SPPC	POWER BY OUTDOOR UNIT
ARC-1	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
ARC-2	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
ARC-3	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
ARC-4	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
ARC-5	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
ARC-6	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
ARC-7	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
ARC-8	AIR CURTAIN	208 V	3	4480 VA	3#12+1#12BND	21mmC	SPPC	
B-1	GAS HOT WATER BOILER	120 V	1	300 VA	2#12+1#12BND	21mmC	SPPC	
B-2	GAS HOT WATER BOILER	120 V	1	300 VA	2#12+1#12BND	21mmC	SPPC	
B-3	GAS HOT WATER BOILER	120 V	1	300 VA	2#12+1#12BND	21mmC	SPPC	
B-4	GAS HOT WATER BOILER	120 V	1	300 VA	2#12+1#12BND	21mmC	SPPC	
BMS	BUILDING MANAGEMENT SYSTEM	120 V	1	200 VA	2#12+1#12BND	21mmC	SPPC	
CF-1	CEILING FAN	120 V	1	360 VA	2#12+1#12BND	21mmC	SPPC	
CF-2	CEILING FAN	120 V	1	360 VA	2#12+1#12BND	21mmC	SPPC	
CF-3	CEILING FAN	120 V	1	360 VA	2#12+1#12BND	21mmC	SPPC	
CF-4	CEILING FAN	120 V	1	360 VA	2#12+1#12BND	21mmC	SPPC	
CU-1	OUTDOOR AIR CONDITIONING UNIT	208 V	2	4160 VA	3#10+1#12BND	21mmC	SPPC	
CU-2	OUTDOOR AIR CONDITIONING UNIT	208 V	2	3162 VA	3#12+1#12BND	21mmC	SPPC	
CU-3	OUTDOOR AIR CONDITIONING UNIT	208 V	2	4326 VA	3#10+1#12BND	21mmC	SPPC	
CWAC	CARWASH AIR COMPRESSOR	208 V	3	8637 VA	3#10+1#12BND	21mmC	SPPC	
CWP-1	CARWASH EQUIPMENT PACKAGE	208 V	3	8637 VA	3#10+1#12BND	21mmC	SPPC	
CWP-2	CARWASH EQUIPMENT PACKAGE	208 V	3	8637 VA	3#10+1#12BND	21mmC	SPPC	
CWP-3	CARWASH EQUIPMENT PACKAGE	208 V	3	8637 VA	3#10+1#12BND	21mmC	SPPC	
CWP-4	CARWASH EQUIPMENT PACKAGE	208 V	3	8637 VA	3#10+1#12BND	21mmC	SPPC	
DWH-1	GAS FIRED DOMESTIC WATER HEATER	120 V	1	600 VA	2#12+1#12BND	21mmC	N/A	
DWH-2	GAS FIRED DOMESTIC WATER HEATER	120 V	1	600 VA	2#12+1#12BND	21mmC	N/A	
EF-1	EXHAUST FAN	208 V	3	1656 VA	3#12+1#12BND	21mmC	VFD	ELECTRICAL CONTRACTOR TO PROVIDE LINE REACTOR, MECHANICAL TO SUPPLY VFD AND CONFIRM LOCATION.
EF-2	EXHAUST FAN	208 V	3	1656 VA	3#12+1#12BND	21mmC	VFD	ELECTRICAL CONTRACTOR TO PROVIDE LINE REACTOR, MECHANICAL TO SUPPLY VFD AND CONFIRM LOCATION.
EF-3	EXHAUST FAN	208 V	3	1656 VA	3#12+1#12BND	21mmC	VFD	ELECTRICAL CONTRACTOR TO PROVIDE LINE REACTOR, MECHANICAL TO SUPPLY VFD AND CONFIRM LOCATION.
EF-4	EXHAUST FAN	208 V	3	1656 VA	3#12+1#12BND	21mmC	VFD	ELECTRICAL CONTRACTOR TO PROVIDE LINE REACTOR, MECHANICAL TO SUPPLY VFD AND CONFIRM LOCATION.
ERV-1	ENERGY RECOVERY VENTILATOR	208 V	3	2102 VA	3#12+1#12BND	21mmC	SPPC	
ERV-2	ENERGY RECOVERY VENTILATOR	208 V	3	2102 VA	3#12+1#12BND	21mmC	SPPC	
FF-1	FORCE FLOW HEATER	120 V	1	30 VA	2#12+1#12BND	21mmC	SPPC	
FF-2	FORCE FLOW HEATER	120 V	1	30 VA	2#12+1#12BND	21mmC	SPPC	
GFT-1	GLYCOL FILL TANK	120 V	1	50 VA	2#12+1#12BND	21mmC	SPPC	
GFT-2	GLYCOL FILL TANK	120 V	1	50 VA	2#12+1#12BND	21mmC	SPPC	
GFT-3	GLYCOL FILL TANK	120 V	1	50 VA	2#12+1#12BND	21mmC	SPPC	
IH-1	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
IH-2	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
IH-3	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
IH-4	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
IH-5	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
IH-6	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
IH-7	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
IH-8	GAS FIRED RADIANT TUBE HEATER	120 V	1	20 VA	2#12+1#12BND	21mmC	N/A	
MUA-1	MAKE UP AIR UNIT	208 V	3	3743 VA	3#12+1#12BND	21mmC	VFD	
MUA-2	MAKE UP AIR UNIT	208 V	3	3743 VA	3#12+1#12BND	21mmC	VFD	
MUA-3	MAKE UP AIR UNIT	208 V	3	3743 VA	3#12+1#12BND	21mmC	VFD	
MUA-4	MAKE UP AIR UNIT	208 V	3	3743 VA	3#12+1#12BND	21mmC	VFD	
P-1	STORAGE AREA SECONDARY PUMP	120 V	1	480 VA	2#12+1#12BND	21mmC	ECM	
P-2	STORAGE AREA SECONDARY PUMP	120 V	1	480 VA	2#12+1#12BND	21mmC	ECM	
P-3	WASH BAY IN-SLAB HEATING CIRCULATING PUMP	120 V	1	197 VA	2#12+1#12BND	21mmC	ECM	
P-4	WASH BAY IN-SLAB HEATING CIRCULATING PUMP	120 V	1	197 VA	2#12+1#12BND	21mmC	ECM	
P-5	WASH BAY IN-SLAB HEATING CIRCULATING PUMP	120 V	1	197 VA	2#12+1#12BND	21mmC	ECM	
P-6	WASH BAY IN-SLAB HEATING CIRCULATING PUMP	120 V	1	197 VA	2#12+1#12BND	21mmC	ECM	
P-7	STORAGE AREA SECONDARY PUMP	120 V	1	480 VA	2#12+1#12BND	21mmC	ECM	
SF-1	SUPPLY FAN	120 V	1	370 VA	2#12+1#12BND	21mmC	MG	
SF-2	SUPPLY FAN	120 V	1	217 VA	2#12+1#12BND	21mmC	MG	
SMP-1	SNOW MELTING PANEL	120 V	1	197 VA	2#12+1#12BND	21mmC	SPPC	
TP	TRAP PRIMER	120 V	1	200 VA	2#12+1#12BND	21mmC	SPPC	
UH-1	HYDRONIC UNIT HEATER	120 V	1	37 VA	2#12+1#12BND	21mmC	SPPC	
UH-2	HYDRONIC UNIT HEATER	120 V	1	37 VA	2#12+1#12BND	21mmC	SPPC	
UH-3	HYDRONIC UNIT HEATER	120 V	1	37 VA	2#12+1#12BND	21mmC	SPPC	
UH-4	HYDRONIC UNIT HEATER	120 V	1	37 VA	2#12+1#12BND	21mmC	SPPC	
UH-5	HYDRONIC UNIT HEATER	120 V	1	37 VA	2#12+1#12BND	21mmC	SPPC	
UH-6	HYDRONIC UNIT HEATER	120 V	1	37 VA	2#12+1#12BND	21mmC	SPPC	
UH-7	HYDRONIC UNIT HEATER	120 V	1	37 VA	2#12+1#12BND	21mmC	SPPC	
UH-8	HYDRONIC UNIT HEATER	120 V	1	62 VA	2#12+1#12BND	21mmC	SPPC	

MECHANICAL EQUIPMENT SCHEDULE ABBREVIATIONS:

SPPC: SINGLE POINT POWER CONNECTION
VFD: VARIABLE FREQUENCY DRIVE
MG: MAGNETIC STARTER
ECM: EC MOTOR

AECOM

CONSULTANT

PRIME:
AECOM Canada Architects Ltd.
50 Sportsworld Crossing Road, Suite 290
Kitchener, Ontario, N2P 0A4

PROJECT

AIRPORT RENTAL CAR QTA FACILITY

300-100 SNOWBIRD WAY,
FORT MCMURRAY, ALBERTA

PROJECT NUMBER

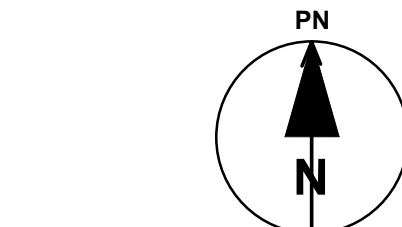
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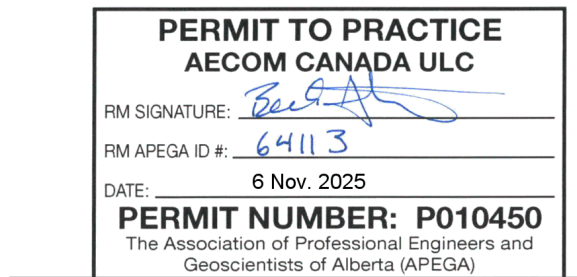
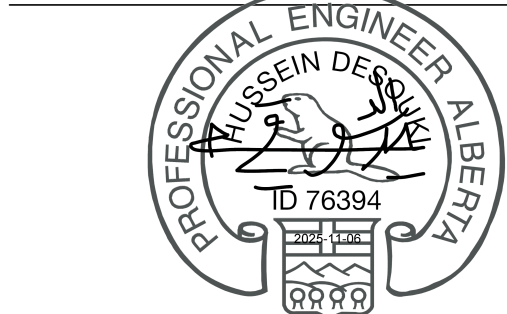


REGISTERED OWNER:
FORT MCMURRAY AIRPORT AUTHORITY
300-100 SNOWBIRD WAY
FORT MCMURRAY, AB, T9H 0G3

NORTH ARROW AND KEYPLAN



KEY PLAN



NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED. WITH THE SOLE EXCEPTION OF THE BENCHMARK(S) SPECIFICALLY DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

ISSUE/REVISION

G	06/11/2025	ADDENDUM E01
F	24/04/2025	ISSUED FOR TENDER (DRAFT)
E	14/02/2025	100% SUBMISSION
D	07/02/2025	ISSUED FOR 100% REVIEW
C	10/06/2024	60% SUBMISSION
B	31/05/2024	DRAFT 60% SUBMISSION
A	19/04/2024	30% SUBMISSION
I/R	DATE	DESCRIPTION

PRODUCTION INFORMATION

DRAWN: Author

- .3 Packaging Waste Management: remove for reuse by manufacturer of pallets, crates, packaging materials and padding in accordance with Section 01 74 19- Waste Management and Disposal.
- .4 Divert unused metal materials from landfill to metal recycling facility.
- .5 Disposal and recycling of fluorescent lamps as per local regulations.
- .6 Disposal of old PCB filled ballasts.

Part 2 Products

2.1 LAMPS

- .1 All light fixtures shall have an LED source.

2.2 FINISHES

- .1 Light fixture finish and construction to meet ULC listings and CSA certifications related to intended installation.

2.3 OPTICAL CONTROL DEVICES

- .1 As indicated in luminaire schedule.

2.4 LUMINAIRES

- .1 Refer to luminaire schedule on electrical drawing for specification.

Part 3 Execution

3.1 INSTALLATION

- .1 Locate and install luminaires as indicated.
- .2 Provide adequate support to suit ceiling system.

3.2 WIRING

- .1 Connect luminaires to lighting circuits:
 - .1 Install flexible or rigid conduit for luminaires as indicated.
 - .2 All wiring, conduits and terminations in the wash bays shall be seal tight and shall be water proof.

3.3 LUMINAIRE SUPPORTS

- .1 For suspended ceiling installations support luminaires independently of ceiling.

3.4 LUMINAIRE ALIGNMENT

- .1 Align luminaires mounted in continuous rows to form straight uninterrupted line.
- .2 Align luminaires mounted individually parallel or perpendicular to building grid lines.