

PANELBOARD SCHEDULE "PIA"						
ITEM	LOAD (KW)	OCP	C	C	ITEM	OCP
EXISTING DHW		20A	1	2	EXISTING ELEVATOR (RE)	40A
			3	4		
			5	6		
EXISTING MEP		50A	7	8	EXISTING BOILER #1 (RE)	15A
			9	10		
			11	12		
EXISTING BOILER #2 (RE)		15A	13	14	EXISTING CONVEYOR	50A
			15	16		
			17	18		
EXISTING CIRCULATION PUMP		30A	19	20	P-2C	15A 3P
			21	22		
			23	24		
B-2		15A	25	26		15A
			27	28		
			29	30		
P-2A		15A	31	32		15A
			33	34		
			35	36		
P-2B		15A	37	38		15A
			39	40		
			41	42		
-		15A	43	44	-	15A
-		15A	45	46	-	15A
-		15A	47	48	-	15A
-		15A	49	50	-	15A
-		30A	51	52	-	20A
-		15A	53	54	-	20A
-		15A	55	56	-	15A
-		15A	57	58	-	15A
-		15A	59	60	-	15A

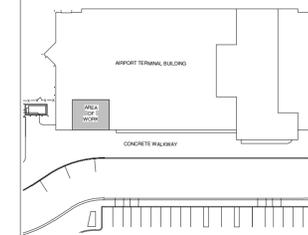
NOTES:  
1. PROVIDE TYPEWRITTEN PANEL DIRECTORY.  
2. RE - RELOCATED CIRCUIT FROM ANOTHER PANEL.

MOUNTING: \_  
RATING: 200A, 600/347/30/4W

PANELBOARD SCHEDULE "LNA"						
ITEM	LOAD (KW)	OCP	C	C	ITEM	OCP
EXISTING LIGHTING: 124,125,126		20A	1	2	EXISTING LIGHTING: 131,132,133	40A
EXISTING LIGHTING: VESTIBULE, 125A			3	4	EXISTING LIGHTING: 116	
EXISTING LIGHTING: 102			5	6	EXISTING LIGHTING: 102	
EXISTING RECEPTACLE: 125		50A	7	8	SPARE	15A
SPARE			9	10	EXISTING RECEPTACLE: EXTERIOR	
EXISTING RECEPTACLE: 126			11	12	EXISTING RECEPTACLE: 126	
EXISTING RECEPTACLE: 137,138,139,140,138A,SINKS		15A	13	14	EXISTING RECEPTACLE: 122,123,124	50A
EXISTING RECEPTACLE: 116, 136			15	16	EXISTING FIDS	
EXISTING DRINKING FOUNTAIN			17	18	EXISTING MULTI-MEDIA SCREENS	
EXISTING HAND DRYER		30A	19	20	EXISTING LIGHTING: 131	15A 2P
EXISTING HAND DRYER			21	22	P-1A	
EXISTING HAND DRYER			23	24		
EXISTING HAND DRYER		15A	25	26	P-1B	15A 2P
EXISTING HAND DRYER			27	28		
EXISTING DDC POWER			29	30	P-1C	15A 2P
EXISTING VAV-1		15A	31	32		
EXISTING VAV-2		15A	33	34	P-1D	15A 2P
			35	36		
			37	38		
EXISTING HAND DRYER - UNISEX		15A	39	40	SPARE	15A
			41	42		
			43	44		
SPARE		15A	45	46	SPARE	15A
SPARE		15A	47	48	SPARE	15A
EXISTING MINI SPLIT LAN ROOM		15A	49	50	SPARE	15A
EXISTING EF-2		15A	51	52	SPARE	20A
			53	54		
			55	56		
SPARE		15A	57	58	SPARE	15A
SPARE		15A	59	60	EXISTING OUTSIDE PLUG NORTH (RE)	15A

NOTES:  
1. PROVIDE TYPEWRITTEN PANEL DIRECTORY.  
2. RE - RELOCATED CIRCUIT FROM ANOTHER PANEL.

MOUNTING: \_  
RATING: 200A, 120/208/30/4W



3	ISSUED FOR CONSTRUCTION	2022-05-17
2	99% CONSTRUCTION DOCUMENT	2021-08-06
1	50% DESIGN SUBMISSION	2021-05-28

revisions	date
project	project

**Wabush - ATB Boiler Upgrade**  
**Wabush Airport Terminal Building (ATB)**

drawing dessin

**ELECTRICAL SCHEDULES**

designed conçu

drawn dessiné

approved approuvé

Tender Soumission

PSPC Project Manager Administrateur de projets TPSGC

project no. no. du project

**R111141.001**

drawing no. no. du dessin

**E-6**

MECHANICAL EQUIPMENT SCHEDULE																				
ITEM	EQUIPMENT		ELECTRICAL CHARACTERISTICS			PACKAGED UNIT	STARTER					CONTROLS			CIRCUITRY INFORMATION				NOTES	
	DESCRIPTION	LOCATION	KW(HP)	AMPS	VOLTS/Ø		TYPE	HOA	PILOT LIGHT	PUSH BUTTON	SUPPLIED BY	TYPE	SUPPLIED BY	INSTALL BY	WIRED BY	PANEL-CCT	O.C.P	WIRE		CONDUIT
B-1A	ELECTRICAL BOILER	BOILER ROOM	162KW	157	600V/ 3	X	-	-	-	X	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	DP-2	200A/3P	3#250MCM + G	78mm	EXISTING BREAKER TO BE TESTED AND COMMISSIONED
B-1B	ELECTRICAL BOILER	BOILER ROOM	162KW	157	600V/ 3	X	-	-	-	X	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	DP-2	200A/3P	3#250MCM + G	78mm	EXISTING BREAKER TO BE TESTED AND COMMISSIONED
B-1C	ELECTRICAL BOILER	BOILER ROOM	162KW	157	600V/ 3	X	-	-	-	X	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	DP-2	200A/3P	3#250MCM + G	78mm	EXISTING BREAKER TO BE TESTED AND COMMISSIONED
B-2	OIL BOILER	BOILER ROOM	FRAC		600V/ 3	X	-	-	-	-	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	PIA 25,27,29	15A/3P	3#12AWG + G	21mm	
P-1A	BOILER #1 PUMP	BOILER ROOM	2HP	6	208V/ 1	X	ECM	-	-	-	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	LNA 22,24	15A/2P	2#12AWG + G	21mm	
P-1B	BOILER #1 PUMP	BOILER ROOM	2HP	6	208V/ 1	X	ECM	-	-	-	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	LNA 26,28	15A/2P	2#12AWG + G	21mm	
P-1C	BOILER #1 PUMP	BOILER ROOM	2HP	6	208V/ 1	X	ECM	-	-	-	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	LNA 30,32	15A/2P	2#12AWG + G	21mm	
P-1D	BOILER #1 PUMP	BOILER ROOM	2HP	6	208V/ 1	X	ECM	-	-	-	ELEC		MECH	MECH	MECH CONTROLS CONTRACTOR	LNA 34,36	15A/2P	2#12AWG + G	21mm	
P-2A	Boiler #2 PUMP	BOILER ROOM	5HP	6.1	600V 3	X	VFD	-	-	-	MECH		MECH	MECH	MECH CONTROLS CONTRACTOR	PIA 31,33,35	20A/3P	3#10AWG + G	21mm	
P-2B	Boiler #2 PUMP	BOILER ROOM	5HP	6.1	600V 3	X	VFD	-	-	-	MECH		MECH	MECH	MECH CONTROLS CONTRACTOR	PIA 37,37,41	20A/3P	3#10AWG + G	21mm	
P-2C	Boiler #2 PUMP	BOILER ROOM	5HP	6.1	600V 3	X	VFD	-	-	-	MECH		MECH	MECH	MECH CONTROLS CONTRACTOR	PIA 20,22,24	20A/3P	3#10AWG + G	21mm	

NOTES:  
1. ELECTRICAL CONTRACTOR TO CONFIRM FINAL LOCATION OF ALL EQUIPMENT WITH MECHANICAL CONTRACTOR AND DRAWINGS PRIOR TO ROUGHING IN OF CONDUIT. CONFIRM FINAL EQUIPMENT RATINGS WITH EQUIPMENT NAMEPLATES AND MECHANICAL EQUIPMENT PRIOR TO START INSTALLATION. SIZE OVERLOAD PROTECTION ACCORDINGLY. INFORM ENGINEER OF ANY DISCREPANCIES AND OR DEVIATIONS PRIOR TO ROUGHING IN OF EQUIPMENT. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROLS/LOW VOLTAGE WIRING. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE VOLTAGE POWER AND CONTROLS, 120V AND UP.  
2. ALL LOW VOLTAGE CONTROL WIRING TO BE BY MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS. ALL CONDUIT REQUIRED FOR CONTROLS TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.  
3. ALL STARTERS TO BE SUPPLIED, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE INDICATED.  
4. ELECTRICAL CONTRACTOR TO PROVIDE ALL REQUIRED MOTOR DISCONNECT FOR THE EQUIPMENTS. CONTRACTOR TO CONFIRM EQUIPMENT RATING AND PROVIDE POWERCONNECTION AS PER MANUFACTURER RECOMMENDATIONS AT NO EXTRA COST.

LEGEND:  
STARTERS  
MAG=MAGNETIC STARTER  
VFD=VARIABLE FREQUENCY DRIVE  
MAN=MANUAL STARTER  
TOG=MOTOR RATED TOGGLE SWITCH  
CON=CONTACTOR  
FIRE ALARM SHUTDOWN FIRE ALARM SHUTDOWN C/W HOA AT FIRE ALARM PANEL DUCT DETECTOR AND SHUTDOWN ON SEPARATE ZONE.

CONTROLS:  
T\*STAT=THERMOSTAT  
H\*STAT= HUMIDISTAT  
EMCS = ENERGY MANAGEMENT CONTROL SYSTEM  
TC = TIME CLOCK  
MT = MANUAL TIMER  
MS = MANUAL SWITCH  
VSC =VARIABLE SPEED CONTROL  
APS = AIR PROVIDING SWITCH  
COD = CARBON MONOXIDE DETECTOR  
FA = FIRE ALARM INTERLOCK  
AUTO =INTERGRAL AUTO SWITCH ACTIVATION  
FLOAT = FLOAT SWITCH

Demand Load Calculation		
Existing Demand Load	488	KW
New ATB Building Boiler Load	508.4	KW

