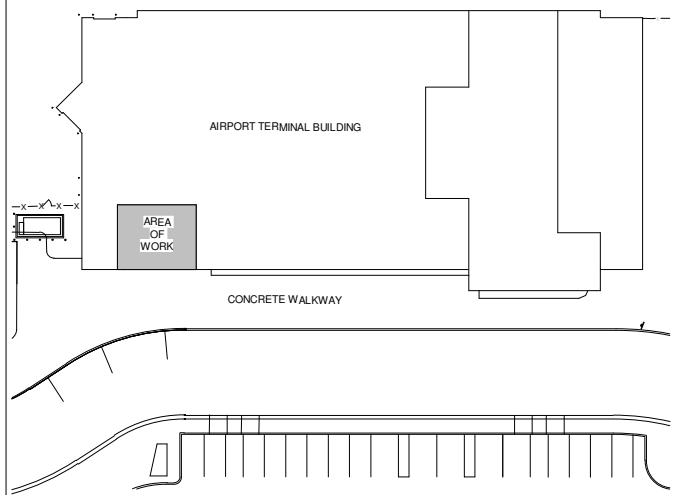


PANELBOARD SCHEDULE "PIA"							
ITEM	LOAD (KW)	OCF	C	C	ITEM	LOAD (KW)	OCF
EXISTING DHW		20A	1	2	EXISTING ELEVATOR (RE)		40A
			3	4			
			5	6			
EXISTING MEP		50A	7	8	EXISTING BOILER #1 (RE)		15A
			9	10			
			11	12			
EXISTING BOILER #2 (RE)		15A	13	14	EXISTING CONVEYOR		50A
			15	16			
			17	18			
EXISTING CIRCULATION PUMP		30A	19	20	P-2C		15A 3P
			21	22			
			23	24			
B-2		15A	25	26	-		15A
			27	28	-		15A
			29	30	-		15A
P-2A		15A	31	32	-		15A
			33	34	-		15A
			35	36	-		15A
P-2B		15A	37	38	-		15A
			39	40	-		15A
			41	42	-		15A
-		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.						MOUTING: _ RATING: 200A, 600/347/30/4W	

PANELBOARD SCHEDULE "LNA"							
ITEM	LOAD (KW)	OCF	C	C	ITEM	LOAD (KW)	OCF
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			15A 2P
EXISTING HAND DRYER		15A	25	26	P-1B		
EXISTING HAND DRYER			27	28			15A 2P
EXISTING DDC POWER			29	30	P-1C		
EXISTING VAV-1		15A	31	32			15A 2P
			33	34	P-1D		
			35	36			
EXISTING VAV-2		15A	37	38	SPARE		15A
			39	40			
			41	42	SPARE		15A
EXISTING HAND DRYER - UNISEX		15A	43	44			
SPARE		15A	45	46	SPARE		15A
SPARE		15A	47	48	SPARE		15A
EXISTING MINI SPLIT LAN ROOM		15A	49	50			
			51	52	SPARE		20A
			53	54			
EXISTING EF-2		15A	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.						MOUTING: _ RATING: 200A, 120/208/30/4W	

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	
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:												LEGEND: STARTERS								
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.											MAG=MAGNETIC STARTER VFD=VARIABLE FREQUENCY DRIVE MAN=MANUAL STARTER				T*STAT=THERMOSTAT H*STAT= HUMIDISTAT EMCS = ENERGY MANAGEMENT CONTROL SYSTEM				
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.											TOG=MOTOR RATED TOGGLE SWITCH				TC = TIME CLOCK MT = MANUAL TIMER MS = MANUAL SWITCH				
3.	ALL STARTERS TO BE SUPPLIED, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE INDICATED.											CON=CONTRACTOR				VSC =VARIABLE SPEED CONTROL APS = AIR PROVIDING SWITCH				
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.											FIRE ALARM SHUTDOWN FIRE ALARM SHUTDOWN C/W HOA AT FIRE ALARM PANEL DUCT DETECTOR AND SHUTDOWN ON SEPARATE ZONE.				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



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

revisions		date
project		projet

Wabush - ATB Boiler Upgrade

Wabush Airport Terminal Building (ATB)

drawingdessin

ELECTRICAL SCHEDULES

designedconçu
BC

drawndessiné
IS

approvedapprouvé
HCC

TenderSoumission

PSPC Project ManagerAdministrateur de projets TPSGC
project no.no. du projet

R111141.001

drawing no.no. du dessin

