



prime consultant:

ARCHITECTURE 49

sub consultant:



GENERAL NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS & EXISTING CONDITIONS ON SITE. ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS TO BE REPORTED TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
2. COORDINATE ALL MECHANICAL WORK INCLUDING REMOVAL OF EXISTING MECHANICAL EQUIPMENT ON SITE WITH THE GENERAL CONTRACTOR, OTHER TRADES AND THE OWNER'S REPRESENTATIVE.
3. INFORMATION PERTAINING TO EXISTING MECHANICAL EQUIPMENT SHOWN ON THE DRAWINGS IS BASED ON AS-BUILT INFORMATION PROVIDED BY THE OWNER. THESE DRAWINGS MAY NOT FULLY OR ACCURATELY REFLECT THE EXISTING CONDITIONS. EQUIPMENT AND SERVICES MAY NOT BE IN THE EXACT LOCATION SHOWN, CONFIRM ALL EXISTING CONDITIONS IN FIELD. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF ARCHITECTURAL WORK.
4. WHERE MECHANICAL SERVICES (PIPING, DUCT, ELECTRICAL AND CONTROLS) ARE CALLED UP TO BE REMOVED COMPLETE, ALL REDUNDANT SERVICES TO BE CAPPED CONCEALED IN CEILING, WALLS OR BELOW FLOOR FINISHES. ALL EXISTING SERVICES BACK WITHIN 150mm OF PIPE MAIN, DUCT MAIN, JUNCTION BOX, PANEL, ETC
5. TEST ADJUST AND BALANCE ALL AIR SYSTEMS TO VALUES SHOWN ON DRAWINGS AND AS DETAILED IN ACCORDANCE WITH THE CONTROL SEQUENCE. INCLUDE ALL MODES OF OPERATION IN THE TAB. COORDINATE THE SAME WITH THE TAB CONTRACTOR. SAME CONTRACTOR SHALL BE NEBB CERTIFIED.
6. ALL DEMOLITION TO BE CARRIED OUT IN ACCORDANCE WITH THE ARCHITECTURAL PHASING DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS A-104 TO A-107.
7. MECHANICAL COMMISSIONING TO BE COMPLETED IN ACCORDANCE WITH THE ARCHITECTURAL PHASING DRAWINGS. REFER TO ARCHITECTURAL PHASING DRAWINGS A-104 TO A-107. MECHANICAL CONTRACTOR IS RESPONSIBLE TO COORDINATOR COMMISSIONING SCHEDULE WITH COMMISSIONING AGENT.

0	ISSUED FOR TENDER	MARCH 30, 2017
revisions		date

project	projet
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WABUSH ATB RENOVATION

WABUSH AIRPORT
WABUSH, NL

drawing	dessin
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HEATING SCHEDULES

designed TG	conçu
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date _____

drawn	KK	dessiné
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date	MARCH 2017
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approved

date	
Tender	Submission

2017/05/10
Administrateur de projets TRSQC

project number	no. du projet
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R.076412.001

drawing no.	no. du dessin
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M-805

CIRCULATOR PUMP SCHEDULE						
TAG	SERVING	FLUID	FLOW RATE (L/S)	HEAD (kPa)	VOLTAGE (V/PH/HZ)	MCA (AMPS)
P1/P1A	HX-1 HOT SIDE	WATER	0.225	30	120/1/60	2.5
P2/P2A	HX-1 COLD SIDE	55% GLYCOL	0.212	30	120/1/60	2.5
P3/P3A	HX-2 HOT SIDE	WATER	0.244	30	120/1/60	2.5
P4/P4A	HX-2 COLD SIDE	55% GLYCOL	0.230	30	120/1/60	2.5
P5/P5A	HX-3 HOT SIDE	WATER	0.244	30	120/1/60	2.5
P6/P6A	HX-3 COLD SIDE	55% GLYCOL	0.230	30	120/1/60	2.5

HEAT EXCHANGER SCHEDULE													
TAG	SERVICING	HOT SIDE					COLD SIDE					HEAT TRANSFER (KW)	REMARKS
		FLUID	FLOW RATE (L/S)	EWT (°C)	LWT (°C)	MAX PD (kPa)	FLUID	FLOW RATE (L/S)	EWT (°C)	LWT (°C)	MAX PD (kPa)		
HX-1	VEST. 100	WATER	0.225	82	70	9	55% GLYCOL	0.212	55	41	9	10.7	STAINLESS STEEL EXCHANGER
HX-2	VEST. 136	WATER	0.244	82	70	9	55% GLYCOL	0.230	55	41	9	11.6	STAINLESS STEEL EXCHANGER
HX-3	VEST. 120/120A & 122/123	WATER	0.244	82	70	9	55% GLYCOL	0.230	55	41	9	11.6	STAINLESS STEEL EXCHANGER

HYDRONIC HEATING LOOP SCHEDULE													
AREA SERVES	LOOP AREA (SQ. M)	UNIT LOAD (W/ SQ. M)	LOAD (WATTS)	TUBE SIZE	CIRCUITS	LENGTH (M)	SPACING (mm)	SUPPLY TEMP. (°C)	DELTA T (°C)	FLOW (L/MIN)	HEAD LOSS (kPa)	FLUID	MANIFOLD
VEST. 100	14.7	542.6	7,960	25	2	48.9	150	55	14	12.74	4.1	55% GLYCOL	CW BALANCING VALVES, ISOLATION VALVES, AND ZONE CONTROL VALVES. INSTALLATION TO BE WITHIN RECESSED WALL CABINET
VEST. 136	15.9	542.6	8,627	25	2	53	150	55	14	13.81	5.1	55% GLYCOL	CW BALANCING VALVES, ISOLATION VALVES, AND ZONE CONTROL VALVES. INSTALLATION TO BE WITHIN RECESSED WALL CABINET
VEST. 122 & 123	10.4	542.6	5,643	25	1	69.3	150	55	14	9.03	10.6	55% GLYCOL	CW BALANCING VALVES, ISOLATION VALVES, AND ZONE CONTROL VALVES. INSTALLATION TO BE WITHIN RECESSED WALL CABINET
VEST. 120 & 120A	5.4	542.6	2,930	19	1	35.4	150	55	14	4.69	12	55% GLYCOL	CW BALANCING VALVES, ISOLATION VALVES, AND ZONE CONTROL VALVES. INSTALLATION TO BE WITHIN RECESSED WALL CABINET