

ROOM AIR SCHEDULE					
ROOM TAG	ROOM NAME	AIRFLOW (L/S)	ROOM TAG	ROOM NAME	AIRFLOW (CFM)
100	VESTIBULE	100	147/148	DINING/BAR	1075
101	MECHANICAL ROOM	—	149	PILOTS	80
102	TICKETING LOBBY	2050	150	OFFICE	80
103	STAIRWELL	50	151	OFFICE	80
104	STAFF LOUNGE	230	152	OFFICE	80
105	SECURITY OFFICE	200	153	CARGO OFFICE	80
106/106A	CORR/VESTIBULE	150	154	CARGO ROOM	1085
107	AIRLINE TICKETING	77	155	OFFICE	85
108	AIRLINE TICKETING	77	156	OFFICE	85
109	AIRLINE TICKETING	77	157	OFFICE	80
110	AIRLINE TICKETING	77	158		874
111	AIRLINE TICKETING	77	159	WASHROOM	—
112	AIRLINE TICKETING	77	160		—
113	CATSA HBS	280	181	OFFICE	85
114	CATSA OFFICE	100	184	LOBBY	67
115	VESTIBULE	50	185	STORAGE	67
116	WAITING ROOM	2073	166	SECURE PASSAGE	85
117/117A	CATSA PBS/SEARCH ROOM	240	167	VESTIBULE	25
118	SECURE DEPARTURE LOUNGE	1400	168	EMR	—
119	WASHROOM	—	169	VESTIBULE	25
120/120A	VESTIBULE/VESTIBULE	50	170	WASHROOM	—
121	BAGGAGE CLAIM	1475	171	VESTIBULE	25
122	VESTIBULE	50	172	BAGGAGE ROOM	630
123	VESTIBULE	50	173	VESTIBULE	25
124	VESTIBULE	25	174/174A/174B	CORRIDOR	400
125/125A	BAGGAGE DROP/VESTIBULE	800	200	STAIRWELL	50
126	MECHANICAL ROOM	—	201	JANITOR'S CLOSET	—
127	CAR RENTAL	80	202/203/203B	LOBBY/CORRIDOR	300
128	CAR RENTAL	80	204	FLIGHT SERVICES STATION	1000
129	CORRIDOR	—	205	FSS LOUNGE	45
130	LOCKERS	25	206	FSS LUNCH	390
131	ELECTRICAL ROOM	—	207		—
132	LAND LINES	—	208	MEN'S WASHROOM	—
133	BOILER ROOM	—	209	WOMEN'S WASHROOM	—
134	STORAGE	60	210	OFFICE	190
135	RESTAURANT STORAGE	60	211	OFFICE	190
136	ARRIVALS VESTIBULE	100	212	OFFICE	130
137	ANTE	300	213	OFFICE	135
138	JANITORS CLOSET	—	214	STAIRS	—
139	MALE WASHROOM	—	215	GENERAL OFFICE	490
140	FEMALE WASHROOM	—	216	STOCK ROOM CLOSET	—
141	SERVERY	175	217	APM OFFICE	210
142	KITCHEN	140	218	FILES	25
143/143A	CORRIDOR/PANTRY	95	219	WORKSHOP	175
144	VESTIBULE	25	220	KITCHENETTE	50
145	WASHROOM	—	221	EQUIPMENT ROOM	165
146	JANITORS CLOSET	—	222	BOARDROOM	275
NOTES:					

AIR CURTAIN SCHEDULE						
TAG	WIDTH (M)	AIR FLOW (L/S)	POWER (kW)	VOLTAGE (V/PH/HA)	MCA	MOCP
HAC-1	1.84	981	0.32	120/1/60	3.4	15
HAC-2	1.2	654	0.32	12/1/60	3.4	15
NOTES:						
AMBIENT HEAT MODE. CONFIRM COLOR SELECTION WITH ARCHITECTURAL PRIOR TO ORDERING.						
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RANGE HOOD SCHEDULE		
TAG	SIZE LxWxH(mm)	REMARKS
H-1	2.74x1.22x0.61	STAINLESS STEEL, UL710 LISTED AND NFPA 96 COMPLIANT. ALL WELDS TO BE POLISHED SMOOTH. HOOD TO BE SUPPLIED WITH 3" REAR SPACER, ALUMINUM BAFFLE GREASE FILTERS, HANGER BRACKET, LED LIGHTS, RIGHT DRAIN CONNECTION, REMOVABLE GREASE CUP. RATED FOR 1100 L/S 125 PA PRESSURE DROP WITH A 450 X 450 FACTORY CUT CENTRE COLLAR. HOOD TO BE EQUIPPED WITH FIRE SUPPRESSION SYSTEM, MOUNTED BESIDE THE HOOD, OR IN THE JANITORS ROOM, LOCATED ON THE OPPOSITE WALL.

AIR HANDLING UNIT SCHEDULE									
TAG	TOTAL STAT. PRES. (IN W.G.)	AIR FLOW (CFM)	ELECTRICAL DATA			DX COOLING COIL			
			VOLTS	PHASE	HERTZ	MCA	MOCP	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)
AHU-1	4	12,300	575	3	60	40.5	50	508	320
AHU-2	1.5	2,700	575	3	60	8.80	15	113	81
AHU-3	1.5	4,000	575	3	60	11.50	15	180	140
AHU-4	1.5	2000	575	3	60	8.80	15	80	170
AHU-5	1.5	5800	575	3	60	11.50	15	240	140
NOTES:									
BUILT UP INDOOR AHU, C/W VFD, PLENUM RETURN FAN, AIR MIXING SECTION, HYDRONIC HEATING COIL SECTION, DX COOLING COIL SECTION, PLENUM SUPPLY FAN, FILTER SECTION, AND BACNET CONTROLS.									

GRILLE AND DIFFUSER SCHEDULE			
TAG	TYPE	SIZE	REMARKS
S-1	SUPPLY	600x800	SQUARE CONE DIFFUSER, WHITE, T-BAR MOUNTING, NECK SIZE AS PER PLANS
S-2	SUPPLY	2400	2400mm LONG LINEAR DIFFUSER, WHITE, T-BAR MOUNT, NECK SIZE AS PER PLANS
R-1	RETURN/EXHAUST	AS PER PLANS	STEEL LOUVERED FACE RETURN WITH FIRE FLAP, WHITE, FRONT BLADES PARALLEL TO LONG DIMENSION, SURFACE MOUNT
R-2	RETURN/EXHAUST	600x800	PERFORATED CEILING RETURN, WHITE, T-BAR MOUNTING, NECK SIZE AS PER PLANS
R-3	RETURN/EXHAUST	600x800	PERFORATED CEILING RETURN, WHITE, SURFACE MOUNTING, NECK SIZE AS PER PLANS
NOTES:			

VARIABLE AIR VOLUME BOX SCHEDULE							
TAG	SERVING	NECK SIZE (mm)	MIN. AIRFLOW (L/S)	MAX. AIRFLOW (L/S)	ELECTRIC HEAT (kW)	POWER (V/PH/Hz)	REMARKS
VAV-1	161/121	400	450	1800	25	208-3-60	
VAV-2	116/121	400	450	1800	25	208-3-60	
VAV-3	117	125	57	212	5	208-3-60	
VAV-4	118	200	349	1392	15	208-3-60	
VAV-5	102	150	280	1050	15	208-3-60	
VAV-6	102	150	280	1050	15	208-3-60	
VAV-7	147	150	283	1085	15	208-3-60	
VAV-8	113	125	71	260	5	208-3-60	
VAV-9	107-112	125	118	472	8	208-3-60	
VAV-10	172	125	165	613	8	208-3-60	
VAV-11	114/115	125	47	165	5	208-3-60	
VAV-12	169/166	125	94	378	5	208-3-60	
VAV-13	151	125	71	212	5	208-3-60	
VAV-14	160/161	125	47	118	5	208-3-60	
VAV-15	155/156	125	47	142	5	208-3-60	
VAV-16	154	150	310	1100	15	208-3-60	
VAV-17	152/153	125	71	283	5	208-3-60	
VAV-18	150	125	118	448	5	208-3-60	
VAV-19	149	125	47	165	5	208-3-60	
VAV-20	105	125	71	212	5	208-3-60	
VAV-21	104	125	71	236	5	208-3-60	
VAV-22	174 / 168	125	100	400	5	208-3-60	
VAV-23	219/220	125	71	248	5	208-3-60	
VAV-24	204	150	283	991	15	208-3-60	
VAV-25	206	125	94	378	5	208-3-60	
VAV-26	215/216	125	142	496	8	208-3-60	
VAV-27	221	125	47	189	5	208-3-60	
VAV-28	210/210	125	94	378	5	208-3-60	
VAV-29	212/213	125	71	260	5	208-3-60	
VAV-30	217	125	71	212	5	208-3-60	

EXHAUST FAN SCHEDULE							
TAG	SERVING	AIRFLOW (L/S)	STATIC PRESSURE (Pa)	ELECTRICAL DATA			REMARKS
				VOLTS	PHASE	HERTZ	
EF-1	KITCHEN HOOD	1100	312	208	3	60	C/W DISCONNECT, HINGED FAN ACCESS WITH 18" HIGH VENTED ROOF CURB TO NFPA 96, STARTER UNIT PILOT LIGHT, STARTER WITH RELAY CONTACTS, LISTED TO ULC 762.
EF-2	138-139-140	425	190	208	3	60	C/W DISCONNECT, BACKDRAFT DAMPER, BIRD SCREEN
EF-3	125	625	250	208	3	60	C/W DISCONNECT, BACKDRAFT DAMPER, BIRD SCREEN, INTERCONNECTED TO CO / NO2 MONITOR AND MOTORIZED AIR INTAKE LOUVRE
EF-4	146	50	100	208	3	60	C/W DISCONNECT AND BACKDRAFT DAMPER
EF-5	119	50	100	208	3	60	C/W DISCONNECT AND BACKDRAFT DAMPER
EF-6	159	50	100	208	3	60	C/W DISCONNECT AND BACKDRAFT DAMPER
EF-7	208-209	50	100	208	3	60	C/W DISCONNECT AND BACKDRAFT DAMPER

RANGE HOOF SCHDULE					
TAG	CAPACITY (CFM)	SONES (NOM.)	V/PH/Hz	FLA (AMP)	REMARKS
RH-1	300	0.9	120/1/60	20	RESIDENTIAL STYLE RANGE HOOD COORDINATE COLOR WITH ARCHITECTURAL PLANS PRIOR TO ORDERING. DUCTWORK TO BE C/C WALL CAP AND INSECT SCREEN

UNIT HEATER SCHEDULE					
TAG	AREA SERVED	HEATING CAPACITY (KW)	ELECTRICAL VOLT/PH/Hz	MCA (A)	REMARKS
UH-1	125	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD
UH-2	125	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD
UH-3	125	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD
UH-4	124	5.0	208/3/60	13.9	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS
UH-5	172	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD
UH-6	172	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD
UH-7	154	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD
UH-8	154	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD
UH-9	223	7.5	208/3/60	20.8	C/W PROGRAMMABLE THERMOSTAT, TO BE INTEGRATED INTO FACILITY BMS, FAN GUARD

REMOTE COMPRESSOR/CONDENSING UNIT SCHEDULE										
TAG	SERVES	TONNAGE	VOLTS	PHASE	HERTZ	MCA	MOCP	DIMENSIONS (LxWxH)	WEIGHT (LBS)	REMARKS
CD-1	AHU-1	30	575	3	60	57.0	70	89x61x75	1936	REMOTE COMPRESSOR/CONDENSER TO BE SIZED APPROPRIATELY TO MATCH INDIVIDUAL AHU COOLING REQUIREMENTS
CD-2	AHU-2	7.5	575	3	60	12.2	15	42x36x40	320	REMOTE COMPRESSOR/CONDENSER TO BE SIZED APPROPRIATELY TO MATCH INDIVIDUAL AHU COOLING REQUIREMENTS
CD-3	AHU-3	15	575	3	60	25.6	30	94x46x46	650	REMOTE COMPRESSOR/CONDENSER TO BE SIZED APPROPRIATELY TO MATCH INDIVIDUAL AHU COOLING REQUIREMENTS
CD-4	AHU-4	4	575	3	60	18.0	30	38x36x30	205	REMOTE COMPRESSOR/CONDENSER TO BE SIZED APPROPRIATELY TO MATCH INDIVIDUAL AHU COOLING REQUIREMENTS
CD-5	AHU-5	12.5	575	3	60	20.0	25	52x40x46	460	REMOTE COMPRESSOR/CONDENSER TO BE SIZED APPROPRIATELY TO MATCH INDIVIDUAL AHU COOLING REQUIREMENTS



prime consultant:
ARCHITECTURE 49



- GENERAL NOTES:
- 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.
 - COORDINATE ALL MECHANICAL WORK INCLUDING REMOVAL OF EXISTING MECHANICAL EQUIPMENT ON SITE WITH THE GENERAL CONTRACTOR, OTHER TRADES AND THE OWNER'S REPRESENTATIVE.
 - 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.
 - WHERE MECHANICAL SERVICES (PIPING, DUCT, ELECTRICAL AND CONTROLS) ARE CALLED UP TO BE REMOVED COMPLETE, ALL REDUNDANT SERVICES TO BE CAPED CONCEALED IN CEILING, WALLS OR BELOW FLOOR. CAP REDUNDANT SERVICES BACK WITHIN 150mm OF PIPE MAIN, DUCT MAIN, JUNCTION BOX, PANEL, ETC
 - 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. TAB CONTRACTOR SHALL BE NEBB CERTIFIED.
 - ALL DEMOLITION TO BE CARRIED OUT IN ACCORDANCE WITH THE ARCHITECTURAL PHASING DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS A-104 TO A-107.
 - MECHANICAL COMMISSIONING TO BE COMPLETED IN ACCORDANCE WITH THE ARCHITECTURAL PHASING DRAWINGS. REFER TO ARCHITECTURAL 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
WABUSH ATB RENOVATION
WABUSH AIRPORT
WABUSH, NL

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