

CABINET HEATER SCHEDULE											
MARK	ROOM	TRANE MODEL	RECESS	CFM	RPM	MBH	EAT	EWI	GPM	WPD	REMARKS
CH-1	SEE PLAN	FFN03	SEMI *	306	980	15.2	70	180	1.0	1.3	1/60 HP, * VERIFY RECESS DIMENSION
CH-2	SEE PLAN	FFM03	NO	306	980	15.2	70	180	1.0	1.3	1/60 HP, WALL MOUNTED AS SHOWN

UNIT VENTILATOR SCHEDULE												
MARK	MFR. MODEL	CFM	COOLING/HEATING					HP	VOLT	Ø	REMARKS	
			COIL	GPM	WPD	EWT	EAT					
UV-1	NESBITT TCW	1250	CC	8.2	40	6.8	45	83	1/6	115	1	W/WALL BOX,ASHRAE CYCLE 2
			HC	4.6	70	1.0	180	46.5				

CHILLER SCHEDULE							
MARK	AREA	MAKE	MODEL	CAP. (TONS)	VOLTS	PHASE	REMARKS
C-1	SEE PLAN	TRANE	CG AE-C50	42.7	208	3	SEE NOTES

NOTES:
 1. DESIGN CONDITIONS - EWT 55°F, LWT 45°F, 95°F AMBIENT
 2. 3500 FT. ALTITUDE
 3. COMPLETE REFRIGERANT SYSTEM - INCLUDING HOT GAS BY-PASS, SIGHT GLASS, ETC.
 4. MOUNT ON SPRING ISOLATORS.
 5. LOW AMBIENT CONTROLS - '0'

GRILLES, REGISTERS, & ACCESSORIES					
MARK	MANUFACTURER	MODEL	FINISH	MATERIAL	REMARKS
S1	ANEMOSTAT	RMD-PTE	WHITE	STEEL	PERFORATED FACE, REMOVABLE CORE
R1	ANEMOSTAT	AL-1	ANODIZED	ALUMINUM	1/4" BARS, 1/2" SPACING, BORDER 8. CONCEALED MOUNTING
E1	ANEMOSTAT	3PLD	WHITE	STEEL	PERFORATED REMOVABLE FACE, DUCT CONNECTION LAY-IN CEILING
E2	ANEMOSTAT	S3HD	WHITE	STEEL	45° FINS, HORIZONTAL, 3/4" SPACING
BV	AIROLITE	E8-4	SEE ARCH	EXTRUDED ALUMINUM	INT. PLASTIC COATED MESH ALUMINUM SCREEN
BD	VENCO	VAC-1	STANDARD	STEEL	W/ LOCKING HAND QUADRANT
L1	AIROLITE	609B	SEE ARCH	ALUMINUM	W/ INTERIOR BIRDSCREEN
MD	BY TC	-	STANDARD	STEEL	SEE SPEC.
FD	RUSKIN	1802 STYLE 2	STANDARD	STEEL	FUSIBLE LINK, CURTAIN TYPE, PROVIDE ACCESS

FINTUBE RADIATION SCHEDULE												
MARK	AREA	MFR.	SIZE	HEATING ELEMENTS			HEATING		COVER		REMARKS	
				LENGTH	SECTION	ROW	ENCL. HEIGHT	MBH	GPM	LENGTH		TYPE
FP-1	SEE PLAN	RITTLING	3/4 C	10'	3 1/4 X 3 1/4	1	20"	10.26	.75	MATCH EXIST	FSD0	REPLACE EXISTING FINTUBE AS SHOWN.

NOTES:
 1. EWT 180°F, EAT 65°F, 30°F TEMPERATURE DROP

AIR HANDLER UNIT SCHEDULE														
MARK	AREA	TRANE MODEL	COIL		PERFORMANCE			BLOWER			REMARKS			
			TYPE & ROW	MBH	GPM	EAT	WPD*	APD*	CFM HI/LOW	EXT S.P.		TOTAL S.P.	HP	VOLT/Ø
AHU-1	CONFERENCE	CC-06	CC 6	77.4	15.5	180	3.6	.55	3,000	.50	1.52	1.5	208/3	SEE NOTES:
			HC 2	100	8.3	45	.33	.05						

NOTES:
 1. BASED ON MODULAR CONSTRUCTION, INTERNALLY ISOLATED FAN & BLOWER.
 2. 2" 1.5 PCF SOLID INSULATION IN FILTER/MIXING BOX, COIL AND ACCESS SECTION.
 3. DOUBLE WALL CONSTRUCTION, 2" 1.5 PCF PERFORATED INSULATION IN FAN SECTION.
 4. PROVIDE CONDENSATE PUMP SEE SPEC.
 5. DESIGN CONDITION: 30°F DROP HOT WATER, 10°F RISE CHILLED WATER.

PLUMBING FIXTURE SCHEDULE						
MARK	DESCRIPTION	PIPE SIZES (INCHES)				REMARKS
		D.C.	D.H.	SEWER	VENT	
P-1	WATER CLOSET	1.25	-	4	2	WALL MOUNTED, FLUSH VALVE, 1.6 GPF
P-1A	WATER CLOSET	1.25	-	4	2	WALL MOUNTED, FLUSH VALVE, HANDICAPPED, 1.6 GPF
P-2	URINAL	1	-	2	2	WALL MOUNTED, FLUSH VALVE, 1.0 GPF
P-3	LAVATORY	.5	.5	1.5	1.5	24X18, COUNTER MOUNTED, SELF RIMMING
P-3A	LAVATORY	.5	.5	1.5	1.5	24X18, COUNTER MOUNTED, HANDICAPPED
P-4	SINK	.5	.5	1.5	1.5	17X20X7.25 DEEP, STAINLESS STEEL
P-4A	SINK	.5	.5	1.5	1.5	-
P-5	ELECTRIC WATER COOLER	.5	-	1.5	1.5	PUSH BAR VALVE, HANDICAPPED MOUNTED
P-6	JANITOR SINK	.5	.5	3	1.5	24x20x10.5 DEEP, ENAMELED CAST IRON
P-6A	MOP BASIN	.5	.5	3	2	24x24x12 HIGH, TERRAZZO, STAINLESS STEEL CAP
P-7	FLOOR DRAIN	-	-	4	2	SATIN BRONZE STRAINER

MECHANICAL LEGEND

MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION
XX-#	UNIT DESIGNATION	⊕	THERMOSTAT	⊘	SHUT-OFF VALVE	▬▬▬	SUPPLY AIR DUCT	▬▬▬	FRESH AIR DUCT	▬▬▬	FLEXIBLE CONNECTION
⊘	ELBOW TURNED UP	⊘	TEE OUTLET UP	⊘	BALANCING VALVE	▬▬▬	RETURN AIR DUCT	▬▬▬	EXHAUST AIR DUCT	▬▬▬	TURNING VANES
⊘	ELBOW TURNED DOWN	⊘	TEE OUTLET DOWN	⊘	NATURAL GAS	▬▬▬					
⊘	SHUT-OFF VALVE IN DROP	⊘	MOTORIZED VALVE	⊘	UNION						
⊘	CAPPED CONNECTION	⊘	THREE WAY VALVE	⊘	PLUG VALVE						
⊘	GLOBE VALVE	⊘	RELIEF VALVE	⊘	FLEXIBLE CONNECTOR						
⊘	PIPE ANCHOR	⊘	PRESSURE REDUCING VAL.	⊘	BACKFLOW PREVENTER						
⊘	CHECK VALVE	⊘	STRAINER	⊘	PRESSURE GAUGE						
⊘	PUMP, INLINE	⊘	DRAIN	⊘	WATER HAMMER ARRESTOR						
⊘	AIR VENT (A.V.)	⊘	ECCENTRIC REDUCER	⊘	WATER SERVICE						
⊘	THERMOMETER	⊘	CLEANOUT	⊘	DOM. COLD WATER						
⊘	PLUMBING FIXTURE	⊘	STORM SEWER ABOVE	⊘	DOM. HOT WATER						
⊘	SANITARY SEWER ABOVE	⊘	STORM SEWER BELOW	⊘	DOM. HOT WATER RECIRC.						
⊘	SANITARY SEWER BELOW	⊘	ACID WASTE	⊘	CHILLED WATER SUPPLY						
⊘	VENT	⊘	ACID VENT	⊘	CHILLED WATER RETURN						
⊘	VENT THRU ROOF	⊘	WALL HYDRANT	⊘	FLEXIBLE DUCT						
⊘	HWS HEATING WATER SUPPLY	⊘	FIRE DEPT. CONNECTION	⊘	SA DUCT SECTION-RISER						
⊘	HWR HEATING WATER RETURN	⊘	FLOW SWITCH	⊘	RA DUCT SECTION-RISER						
⊘	COOLING TOWER WATER	⊘	O.S.&Y. VALVE	⊘	DAMPER-DOUBLE LINE DUCT						
⊘	FIRE SERVICE	⊘	RETURN/EXHAUST GRILLE								
⊘	POST FIRE DEPT. CONN.	⊘	LINEAR DIFFUSER								
⊘	SUPPLY DIFFUSER	100S1	CFM-GRILLE/SIZE								
⊘	SA DUCT SECTION-DROP	24X24	RA DUCT SECTION-DROP								
⊘	CONNECT TO EXISTING	⊘									

FAN COIL SCHEDULE														
MARK	AREA	M-COIL MODEL	COIL PERFORMANCE					BLOWER			REMARKS			
			TYPE	ROW	MBH	EAT/MBH	WPD*	CONN. O.D.	GPM	CFM HI/LOW		EXT. S.P.	HP	VOLT/Ø
A	SEE PLAN	TSF-031	HC	1-AUX	16.1	59.8	3.9	5/8"	1.1	265/	0.0	-	115/1	W/SLOPED TOP
			CC	2-STD	6.15	77/84	2.6	5/8"	1.23	170				
B	SEE PLAN	TSF-081	HC	1-AUX	44.4	52.0	9.3	5/8"	3.03	750/	0.0	-	115/1	W/SLOPED TOP
			CC	2-STD	17.67	77/84	7.1	5/8"	3.62	600				
C	SEE PLAN	TSF-021	HC	1-AUX	12.1	59.8	2.0	5/8"	.85	222/	0.0	-	115/1	W/SLOPED TOP
			CC	2-STD	4.3	77/84	1.1	5/8"	.85	140				
D	SEE PLAN	TSF-041	HC	1-AUX	22.1	59.8	7.0	5/8"	1.50	375/	0.0	-	115/1	W/SLOPED TOP
			CC	2-STD	8.5	77/84	4.4	5/8"	1.70	230				

NOTES:
 HC: HEATING COIL
 CC: COOLING COIL
 1. PERFORMANCE BASED ON HIGH FAN PERFORMANCE
 2. EWT COOLING 45°F, HEATING 180°F
 3. LWT COOLING 55°F, HEATING 150°F
 4. PROVIDE UNIT MOUNTED FAN CONTROL, LEVELING LEGS
 5. PROVIDE 3-WAY CONTROL VALVE PACKAGE IN EXTENDED VALVE SECTIONS.

EXHAUST FAN SCHEDULE													
MARK	AREA	MFR.	MODEL	TYPE	DRIVE	CFM	SP	RPM	BDD	HP	VOLT/Ø	REMARKS	
EF-1	TOILETS	GREEN HECK	GB-100	ROOF	BELT	850	.25	1165	YES	1/4	115	1	FACTORY CURB
EF-2	TOILETS	GREEN HECK	GB-90	ROOF	BELT	630	.25	1110	YES	1/4	115	1	FACTORY CURB
EF-3	LAB	GREEN HECK	GB-70	ROOF	BELT	250	.125	1290	YES	1/4	115	1	FACTORY CURB
EF-4	CONFERENCE	GREEN HECK	GB-90	ROOF	BELT	1000	.125	1410	YES	1/4	115	1	FACTORY CURB
EF-5	CLASSROOM	GREEN HECK	GB-80	ROOF	BELT	600	.125	1290	YES	1/4	115	1	FACTORY CURB
EF-6	JANITOR	GREEN HECK	CSP-115A	IN-LINE	DIRECT	95	.125	1140	YES	.94AMP	115	1	W/A BI-5 BRICK VENT

CIRCULATING PUMPS											
MARK	AREA	MFR. MODEL	TYPE	SIZE	GPM	HEAD	HP	VOLTS	Ø	REMARKS	
CP-1	MECH. ROOM	B&G SERIES 1510	BASE MTG.	2 AC	105	25	1.5	208	3	W/30-25 TRIPLE DUTY VALVE, SUCTION DIFFUSER, 1750 RPM, BRONZE FITTED	
CP-2	MECH. ROOM	B&G SERIES 1510	BASE MTG.	2 BC	130	52	3.0	208	3	W/30-25 TRIPLE DUTY VALVE, SUCTION DIFFUSER, 1750 RPM, BRONZE FITTED	
CP-3	MECH. ROOM	B&G SERIES 1510	BASE MTG.	2 BC	91	60	3.0	208	3	W/30-25 TRIPLE DUTY VALVE, SUCTION DIFFUSER, 1750 RPM, BRONZE FITTED	
CP-4	MECH. ROOM	B&G SERIES 1510	BASE MTG.	2 BC	91	60	3.0	208	3	W/30-25 TRIPLE DUTY VALVE, SUCTION DIFFUSER, 1750 RPM, BRONZE FITTED	

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