

AIR HANDLING UNIT SCHEDULE

UNIT #	MFR	MODEL	FAN SECTION						STEAM HEATING COIL SECTION										COOLING COIL SECTION							FILTER SECTION		UNIT DIMENSIONS	UNIT WEIGHT						
			CFM	EXTERNAL S.P.	TOTAL S.P.	RPM	OUT. VEL.	ELECTRICAL			FIN TYPE	ENT AIR (DEG F)	LEAV AIR (DEG F)	MAX AIR PD (IN H2O)	ENT STEAM (PSI)	MAX STEAM PD (PSI)	MBH	LBS/HR	ROWS	FACE AREA (SQ FT)	FIN TYPE	ENT AIR (DEG F)	LEAV AIR (DEG F)	MAX AIR PD (IN H2O)	ENT H2O (DEG F)	LEAV H2O (DEG F)	MAX H2O PD (FT H2O)			GPM	TOTAL MBH	FACE AREA (SQ FT)	ROWS	MIN FACE AREA (SQ. FT.)	EFFICIENCY
AHU-46	TRANE	T-SERIES CLIMATE CHANGER	11,600	3.25	6.47	1857	#8#	20	3	460	SIGMA FLO	-10	55	0.18	5	0.77	817.71	848.7	1	20.25	DELTA FLO	82.8	51.45	0.57	40	50	16.96	145	646.67	29.01	8	29.1	95%	26 3/4 L 84" W 66 1/2" H	7219

AIR COOLED LIQUID CHILLER SCHEDULE

UNIT NO.	MANUFACTURER	SERVICE	COOLING CAPACITY AT 95 F AMBIENT / 27 F AMBIENT	COMPRESSOR MODULES						CHILLED WATER PUMP MODULE										EWT	LWT	EER	ELECTRICAL			UNIT WEIGHT	NOTES	
				QUANTITY	TONS PER COMP.	GPM EA	EWT	LWT	OPERATING FT HD	BY-PASS FT HD	MFG	SERIES	HP	RPM	SIZE	TOTAL HD	EXT HD FT	GPM	BUFFER TANK				PROP. GLYCOL	VOLTS	PHASE			MCA
CH-1	MULTISTACK	AHU-46	52.4 TONS 51.8 TONS	2	26.2	72.2	50 F	40 F	20.5	11.2	ARMSTRONG	4382	7.5	3450	3X3X6	82.0 FT	53.9	144.5	160 GALLONS	40%	50	40	10.3	460	3	146	12550 LBS	SINGLE POINT POWER CONNECTION

AHU HUMIDIFIER SCHEDULE

TAG	MFR MODEL	CAPACITY LBS/HR	FACE DIMENSION	OVERALL DIMENSION	HEADER (INCHES)	STRAINER (INCHES)	TUBE CENTER (INCHES)	EAT DEG. F	LAT DEG. F	ENT. RH %	LVG. RH %	% OUTSIDE AIR DEG. F	SUPPLY AIR CFM	A.P.D. IN. WG	VELOCITY FPM	AIR FLOW DIRECTION	WINTER DEG. F	WINTER RH %	ABSORPTION DIST. IN.	STEAM PSI
HUM-1	DRI-STEEM ULTRA-SORB XV	118	84"W x 34"H	87"H x 44"H	3"	1"	6"	52.5	55.0	49	82	48	6000	.002	302	HORIZONTAL	-6	65	17	7

NOTES: LOCATE MANIFOLD IN AHU-X ACCESS SECTION UPSTREAM OF SUPPLY PLENUM.
OPTIONS: CONTROL VALVE SIZE 1/2", CV-3.25

REGISTERS, GRILLES & DIFFUSERS SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL	NECK SIZE	CFM RANGE	DIRECTION OF BLOW	MAX NC	MAX SP	REMARKS	NOTES
S1	CEILING DIFFUSER	TITUS	TDC	15" X 15"	451 - 700	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2
S2	CEILING DIFFUSER	TITUS	T3SQ-4	8" DIA	150	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2,5
S3	CEILING DIFFUSER	TITUS	TRITEC-AL	10" DIA	350 - 500	SEE PLANS	31	.140	OBD NOT REQUIRED	1,2
S4	CEILING DIFFUSER	TITUS	TDC	9" X 9"	151 - 250	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2
R1	RETURN GRILLE	TITUS	50F	22" X 46"	1701 - 3400	---	20	.04"	OBD NOT REQUIRED	1,2,4
T1	TRANSFER GRILLE	TITUS	50F	6" X 6"	150	---	20	<0.1"	PROVIDE WITH OBD	1,3,4

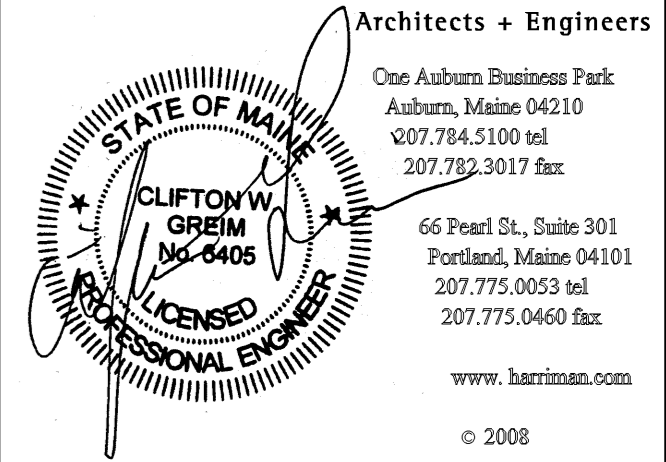
NOTES: 1. BAKED ENAMEL WHITE FINISH
2. BORDER TYPE 3 (LAY-IN)
3. BORDER TYPE 1 (SURFACE MOUNT)
4. 1/2" x 1/2" x 1/2" GRID
5. THERMAL VAV DIFFUSER (HEATING/COOLING)

VAV BOX SCHEDULE

VAV-TAG	MAX CFM	MIN CFM	LAT DEG. F	MBH	GPM	NOTES
VAV-1	2050	1065	90	40.3	2.1	BOXES SHALL BE PRESSURE INDEPENDANT
VAV-2	2375	1235	80	33.4	1.7	
VAV-3	2375	1235	80	33.4	1.7	
VAV-4	3325	1730	80	46.7	2.38	
VAV-5	1425	740	90	28.0	1.43	

UNIT SELECTIONS BASED ON TITUS
MAX NC 30
EWT = 190
MAX DELTA T 40 DEG F
EAT = 50
MAX APD = 0.5 IN WG
MAX WPD = 5.0 FT HD
ALL AIR TERMINALS SHALL HAVE FACTORY INSTALLED SOUND ATTENUATORS

HARRIMAN



Project Title
MAINE MEDICAL CENTER HVAC LAB RENOVATIONS
PORTLAND, MAINE

HA Project No. **08101**

Key Plan

-	10-31-08	ISSUED FOR BID
-	10-10-08	75% REVIEW
Mark	Date	Description

Issue Dates

Drawing Status

Drawing Title

MECHANICAL SCHEDULES

PA / PE: **CG** Drawn By: **REM**

Drawing Number

M40.1