

### AIR HANDLING UNIT SCHEDULE

TAG	LOCATION / SERVES	MIN. OA CFM	SUPPLY FAN SECTION								RETURN FAN SECTION								STEAM HEATING COIL TAG	COOLING COIL TAG	HUMIDIFIER TAG	FILTERS	TYPICAL UNIT MFG & MODEL NO.	NOTES:			
			WHEEL		TOTAL CFM	RPM	TSP (IN WC.)	ESP (IN WC.)	QTY.	MOTOR			WHEEL		TOTAL CFM	RPM	ESP (IN WC.)	QTY.							MOTOR		
			TYPE	SIZE						HP	VOLTS	PHASE	TYPE	SIZE											HP	VOLTS	PHASE
AHU-047	NDF MECH ROOM	2250	PLENUM	18.25	9,000	3,433	7.54	4.5	1	20	460	3	PLENUM	18.25	9,000	1,920	3	2	5	460	3	PHC-1	CC-1	H-1	MERV 8 MERV 14	TRANE CUSTOM	*

NOTES:  
1.  
2.  
3.

### AIR HANDLING UNIT COOLING COIL SCHEDULE

TAG	SERVICE	CFM	CHILLED WATER COOLING COIL PERFORMANCE										COIL DIMENSIONS				NOTES:			
			TMBH	SMBH	% PROP GLYCOL	EDB °F	EWB °F	LDB °F	LWB °F	EWT °F	LWT °F	GPM	APD IN WC	WPD FT WC	FACE VEL (FPM)	FACE AREA SQ. FT.		ROWS	QTY	LxW
CC-1	AHU-047	9,000	411.7	277.8	30	80	67	52	51.5	44	56	70	1	16	550	16.4	6	1	75"x31.5"	*

NOTES:  
1.  
2.  
3.

### FAN COIL UNIT SCHEDULE

TAG	TYPE	SP IN W.G.	COOLING SMBH	MAX CFM	EWT °F	WATER ΔT	GPM	WPD FT WC	ESP IN WC	ELECTRICAL DATA				MAX UNIT DIMENSIONS	WT #	TYPICAL UNIT MFG & MODEL NO.	NOTES:
										HP	FLA	VOLTS	PH				
FC-1	2-PIPE	N/A	14.2	600	44	12	5	10.5	N/A	1/20	0.35	208	1	47"x15"x8"D	50	MULTIAQUA MHWW-24-H-1	*
FC-2	2-PIPE	N/A	14.2	600	44	12	5	10.5	N/A	1/20	0.35	208	1	47"x15"x8"D	50	MULTIAQUA MHWW-24-H-1	
FC-3	2-PIPE	N/A	14.2	600	44	12	5	10.5	N/A	1/20	0.35	208	1	47"x15"x8"D	50	MULTIAQUA MHWW-24-H-1	
FC-4	2-PIPE	N/A	14.2	600	44	12	5	10.5	N/A	1/20	0.35	208	1	47"x15"x8"D	50	MULTIAQUA MHWW-24-H-1	

NOTES:  
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### CHILLER SCHEDULE - AIR COOLED

TAG	NOM. TON	GPM	% PROP GLYCOL	EWT (°F)	LWT (°F)	WPD FT-WC	FOUL FACTOR	ELECTRICAL DATA		KW/TON	EER	NPLV	TYPICAL UNIT MFG & MODEL NO.	NOTES:
								KW	VOLTS/Ø					
CHILL-13	90	181	35	56	44	10	0.0001	100.7	460/3	1.249		0.868	AIRSTACK W/ (3)30T MODULES	(1)(2)

NOTES:  
1. PROVIDE DUPLEX PUMP MODULE. SEE PUMP SCHEDULE FOR SELECTION DETAILS.  
2. PROVIDE CHILLER UNIT DISCONNECT OPTION.  
3.

### VARIABLE AIR VOLUME (VAV) TERMINAL SCHEDULE

TAG	INLET SIZE (IN)	OUTLET SIZE (IN)	CFM MAX.	CFM MIN.	INLET STATIC PRESSURE-MIN.	APD MAX.	HOT WATER HEATING COIL					TYPICAL UNIT MFG & MODEL NO.	NOTES:
							MBH	EAT °F	LAT °F	GPM @ 180°F EWT	WPD FT. HD		
VAV-1	4"	*	145	145	0.5	*		52	85	0.5	0.5	TRANE VCWF	*
VAV-2	4"		100	100	0.5			52	85	0.5	0.5	TRANE VCWF	
VAV-3	4"		100	100	0.5			52	85	0.5	0.5	TRANE VCWF	
VAV-4	10"		1065	1065	0.5			52	85	1.2	0.5	TRANE VCWF	

NOTES:  
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### HUMIDIFIER SCHEDULE

TAG	SERVICE	AIRFLOW CFM		EAT (°F/%RH)	INLET STEAM PRESSURE (PSIG)	CAPACITY PPH		MAX ABSORPTION DIST. (IN.)	MAX. APD (IN W.C.)	TYPICAL UNIT MFG & MODEL NO.	NOTES
		MAX.	MIN.			MAX.	MIN.				
H-1	AHU-047	9,000	5,000	50F/40%	2 PSIG	100 PPH	50 PPH	18"	0.02	ARMSTRONG SIZE 93	*

NOTES:  
1.  
2.  
3.

### AIR HANDLING UNIT STEAM HEATING COIL SCHEDULE

TAG	SERVICE	CFM	AIR DATA		STEAM DATA				TYPICAL UNIT MFG & MODEL	NOTES:	
			TEMP °F		MAX. APD (IN W.C.)	MIN. MBH	PSI	LBS/HR			ROWS
HC-1	AHU-047	9,000	40	65	0.375	250	2	260	2	LJ WING IFB	(1)

NOTES:  
1. INTERNAL FACE AND BYPASS COIL.  
2.  
3.

### REGISTER, DIFFUSER & GRILL SCHEDULE

TAG	CFM	NECK SIZE	TYPE	DP	MAX NC	TYPICAL UNIT MFG & MODEL NO.	NOTES
S-1	150	6"ø	SUPPLY	0.04	<20	PRICE MODEL ASPD	1
S-2	250	8"ø	SUPPLY	0.04	<20	PRICE MODEL ASPD	1
S-3	380	10"ø	SUPPLY	0.04	<20	PRICE MODEL ASPD	1
S-4	500	12"ø	SUPPLY	0.03	<20	PRICE MODEL ASPD	1
R-1	160	8"x8"	RETURN	0.04	<20	PRICE MODEL 630	2
R-2	370	12"x12"	RETURN	0.04	<20	PRICE MODEL 630	2
R-3	1200	22"x22"	RETURN	0.04	<22	PRICE MODEL 630	1
E-1	160	8"x8"	EXHAUST	0.04	<20	PRICE MODEL 630	2

NOTES:  
1. T-BAR LAY-IN MOUNTING  
2. SURFACE MOUNTED CEILING  
3.

### PUMP SCHEDULE

TAG	LOCATION	SERVICE	GPM	HD (FT.)	ELECTRICAL DATA					TYPICAL UNIT MFG & MODEL NO.	NOTES:
					HP	RPM	VOLTS	PH	VFD		
P-1	CHILL-13	CHILLED WATER	180	57	7 1/2	1760	460	3	Y	TACO KV 2508	(1)
P-2	CHILL-13	CHILLED WATER	180	57	7 1/2	1760	460	3	Y	TACO KV 2508	(1)

NOTES:  
1. PUMPS AND VFD'S SUPPLIED WITH MODULAR CHILLER (CHILL-13).  
2.  
3.

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Branthal Radiology  
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 PORTLAND, ME

ISSUED FOR CONSTRUCTION  
 8.24.10

PROJECT MANAGER: DW  
 JC DRAWN BY: KPB  
 A/E OF RECORD: TAC  
 PROJECT NO: 09022-01  
 DATE: 8.24.10

SHEET TITLE:  
 MECHANICAL  
 SCHEDULES

SCALE: NOT TO SCALE  
 GRAPHIC SCALE: 0" = 1"

SHEET No.

M-601