

A

B

C

D

E

F

A

B

C

D

E

F

HEAT RECOVERY SCHEDULE																
MARK	WINTER PERFORMANCE OUTSIDE AIR				WINTER PERFORMANCE EXHAUST AIR				SUMMER PERFORMANCE OUTSIDE AIR				SUMMER PERFORMANCE EXHAUST AIR			
	CFM	AIR ENT DB/WB TEMP (F)	AIR LV BD/WB TEMP (F)	APD (IN WC)	CFM	AIR ENT DB/WB TEMP (F)	AIR LV BD/WB TEMP (F)	APD (IN WC)	CFM	AIR ENT DB/WB TEMP (F)	AIR LV BD/WB TEMP (F)	APD (IN WC)	CFM	AIR ENT DB/WB TEMP (F)	AIR LV BD/WB TEMP (F)	APD (IN WC)
AH-1-4SRF-1	22,200	17.7/15.0	52.3/44.44	1.94	18,690	72.0/60.0	35.3/35.3	1.71	22,200	83.1/78.5	76.1/71.3	1.94	18,690	72.0/61.5	79.7/70.9	1.71
NOTES: TOTAL ENTHALPY PLATE HEAT EXCHANGER WITH BYPASS PROVIDED WITH AH-1-4SRF-1 WITH PERFORMANCE AS SHOWN HERE.																

AIR DEVICE SCHEDULE																										
MARK	SIZE		TYPE	MNFR	MODEL NO.	MATERIAL		FINISH	ACCESSORIES				MOUNTING		MTG HT.		THROW				MAX. NC	MAX. LOSS IN. W.C.	NOTES			
	FACE	NECK				* STEEL (STD)	ALUMINUM (AL)		CLIP BY ARCH	OPP BLADE DAMPER	PAR BLADE DAMPER	PLENUM	FIRE DAMPER	EQUALIZING GRID	LAY-IN	SURFACE FLUSH	FLOOR TO BOTTOM	CEILING	4 - WAY	3 - WAY				2 - WAY	1 - WAY	2 - WAY CORNER
A	2x60	8"	* DIFFUSER																		28	0.12	2:			
B	3x60	10"	*																		29	0.13	2:			
C	1x60	6"	*																		35	0.24	2:			
D	2x48	10"	*														*				29	0.11	2:			
E	4x36	10"	*														*				21	0.07	1.2:			
F	12x12	-	*										*		*									1.2:		
G	24x24	-	*										*		*									2:		
H	24x24	6"	*										*		*		*							2:		
J	24x24	8"	*										*		*		*							2:		
K	24x24	10"	*										*		*		*							2:		
L	24x24	12"	*										*		*		*							2:		
M	24x24	14"	*										*		*		*							2:		
N	14x10	12x8	*										*		*		*							2:		
P	16x16	14x14	*										*		*		*				22	.13	2:			
Q	24x24	6"	*										*		*		*				22	.13	2:			
R	24x24	8"	*										*		*		*							2:		
S	24x24	10"	*										*		*		*							2:		
T	24x24	12"	*										*		*		*							2:		
U	24x24	14"	*										*		*		*							2:		
V	24x24	10"	*										*		*		*							2.3:		
W	24x24	14"	*										*		*		*							2:		
X	24x24	16"	*										*		*		*							2:		
Y	24x24	-	*										*		*		*							2:		
NOTES: 1. PAINT FLAT BLACK INTERIOR DUCT SURFACES VISIBLE FROM OUTSIDE THE GRILLE. 2. PROVIDE DUCT MOUNTED BALANCING DAMPER ON ALL GRILLES AND DIFFUSERS IN ADDITION TO DAMPER MOUNTED ON GRILLE/DIFFUSER. IN CASES WHERE ONLY ONE OUTLET IS CONNECTED TO VAV TERMINAL DAMPER IS NOT REQUIRED. 3. SEE FLOOR PLAN FOR THROW PATTERN.																										

WATER CHILLER SCHEDULE																								
MARK	TYPE					M/NFR	MODEL NO.	CAPACITY		CHILLED WATER					CONDENSER WATER					HEAT RECOVERY BUNDLE				NOTES
	RECIPROCATING CENTRIFUGAL	ROTARY SCROLL	ROTARY SCREW	WATER COOLED	AIR COOLED			TONS	TOTAL KW.	TOTAL EER	E.W.T. °F	L.W.T. °F	G.P.M.	FOULING FACTOR	MAX P.D. FT W.G.	E.W.T. °F	L.W.T. °F	G.P.M.	FOULING FACTOR	MAX. P.D. FT. W.G.	E.W.T. °F	L.W.T. °F	G.P.M.	
CH-3		*			*	*	30RB190	186.1	188.8	10.16	54.0	44.0	444.8	0.00010	12.1	-	-	-	-	-	-	-	-	1:2:3:4:
MRI-CH-1			*		*	*	R1200	8.2	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	2:3:5:6:8:9:
MRI-CH-2				*	*	*	R1600	13.7	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	2:3:5:7:8:9:
NOTES																								
1. PROVIDE WITH TWO INDEPENDENT REFRIGERANT CIRCUITS.																								
2. SINGLE POINT ELECTRICAL CONNECTION.																								
3. HOT GAS BYPASS.																								
4. LOW AMBIENT PRESSURE CONTROL TO 10° F.																								
5. CHILLER, INTEGRAL CHILLED WATER PUMP, AND REMOTE HEAT EXCHANGER PROVIDED BY OTHERS FOR INSTALLATION IN THIS CONTRACT.																								
6. CHILLER FOR OASIS OR ECHELON XL/XLS MRI.																								
7. CHILLER FOR OVAL MRI.																								
8. LOW AMBIENT PRESSURE CONTROL TO -20° F.																								
9. PROVIDE WITH 35% BY VOLUME PROPYLENE GLYCOL.																								

HEAT EXCHANGER SCHEDULE															
MARK	SERVICE	TYPE SHELL & TUBE PLATE & FRAME	HIGH TEMPERATURE SIDE						LOW TEMPERATURE SIDE					NOTES	
			WATER				STEAM		FOULING FACTOR	E.W.T. °F	L.W.T. °F	G.P.M.	PRESS. DROP FT. W.G.		
			E.W.T. °F	L.W.T. °F	G.P.M.	MAX. PRESS. DROP FT. W.G.	FOULING FACTOR	PRESS. P.S.I.G.							LB/HR
HTX-03	HEATING	*	-	-	-	-	-	15	1,820	0.0001761	150	180	130	11	1:
HTX-04	HEATING	*	-	-	-	-	-	15	1,820	0.0001761	150	180	130	11	1:
NOTES: 1. REDUNDANT UNITS.															

EXPANSION TANK SCHEDULE					
MARK	FLUID TYPE	MIN. TANK VOLUME (GAL)	MIN. TANK ACCEPTANCE VOLUME (GAL)	MIN./MAX. TEMP. (°F)	NOTES
ET-03	HEATING WATER	40	16	45/180	1:2:3:
ET-04	CHILLED WATER	35	1	45/90	2:4:5:
NOTES: 1. SYSTEM VOLUME: 330 GALLONS. 2. ASME BLADDER EXPANSION TANK. 3. BASIS OF DESIGN JOHN WOOD COMPANY MODEL # JAER-23-606. 4. SUPPLEMENT TANK TO ACCOMMODATE ADDITIONAL 900 GALLONS IN EXPANDED CHILLED WATER SYSTEM. 5. BASIS OF DESIGN JOHN WOOD COMPANY MODEL JAER-23-605.					

Revisions:		Date:		CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title:		Project Title:		Project Number:		Office of Construction and Facilities Management	
				AES APPLIED ENGINEERING SOLUTIONS 440 Martin Luther King, Jr. Blvd., Suite 401 Macon, Georgia 31201 Phone: (478) 314-1270 - Fax: (478) 314-1271 www.aes-pe.com		TOLAND MIZELL MOLNAR 590 Means Street NW, Suite 200 Atlanta, GA 30318 404.214.9774		SCHEDULES - MECHANICAL		EXPAND RADIOLOGY AND SPS OVERTON BROOKS VAMC		667-083		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT	
								Approved: Project Director		Location: SHREVEPORT, LA		Building Number: 1		VA	
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