

CUSTOM AIR HANDLING UNIT SCHEDULE

BASIS OF DESIGN IS NORTEK-TEMTRON, CARRIER OR TRANE APPROVED EQUAL MODELS ACCEPTABLE

TAG	LOCATION	AREA SERVED	AIR VOLUMES			ENERGY RECOVERY VENTILATION (ERV-1)									RETURN FAN (R-1)					SUPPLY FAN (S-1)						ELECTRICAL DATA			AIR HANDLING UNIT SECTIONS (LENGTH & TAG)									UNIT DATA				NOTES		
			MAX SUPPLY AIR (CFM)	MIN OUTSIDE AIR (CFM)	MAX OUTSIDE AIR (CFM)	HEAT TRANSFER TOTAL (MBH)	HEAT TRANSFER SENSIBLE (MBH)	HEAT TRANSFER LATENT (MBH)	EXHAUST AIR TEMP DB(F)	EXHAUST AIR TEMP WB(F)	EXHAUST AIR (CFM)	OUTSIDE AIR TEMP DB(F)	OUTSIDE AIR TEMP WB(F)	OUTSIDE AIR (CFM)	AIRFLOW	FAN SPEED (RPM)	TYPE	CLASS	HP	TOTAL SP (INCH)	EXT SP (INCH)	FAN SPEED (RPM)	SOUND LEVEL	TYPE	CLASS	HP	VOLTS	PHASES	HERTZ	MIX AIR	FILTER (NOTES #4&5)	ERV	RETURN FAN	HEATING COIL	COOLING COIL	SUPPLY FAN	VFD	UNIT WEIGHT (LBS)	DIMENSIONS (L X W X H, IN)	BASIS OF DESIGN				
																																								MANFR	MODEL			
AHU-1	MECH RM	THEATRE	25,000	7,500	25,000	1,265.0	1,018.6	246.5	31	28	23,300	3	3	25,000	25,000	2,383	PLENUM	II	25	4.00	2.00	2,096	BELOW	PLENUM	II	25	480	3	60	M-1	F-1A, F-1B	ERV-1	R-1	HC-1	CC-1	S-1	VFD-1	22,770	281.5 X 136 X 144	NORTEK	TEMTROL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10		
				30%														18.93 BHP						92.4 % EFF		17.61BHP	SCCR 65KA												LENGTH					
																																									23'-6"			
AHU-2	MECH RM	LOBBY GRAND HALL	25,000	8500	25,000	1,265.0	1,018.6	246.5	31	28	23,300	3	3	25,000	25,000	2,383	PLENUM	II	25	4.00	2.00	2,096	BELOW	PLENUM	II	25	480	3	60	M-1	F-1A, F-1B	ERV-1	R-1	HC-1	CC-1	S-1	VFD-1	25,726	381 X 136 X 144	NORTEK	TEMTROL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10		
				34%													93.6 % EFF	17.61BHP						93.6 % EFF		17.61BHP	SCCR 65KA													LENGTH				
																																									31'-9"			
1	UNIT FEATURES: WALL, FLOOR, AND ROOF PANEL WITH 3" FOAM, R-18 1/2 INSULATION , DOUBLE WALL SEALED PANEL, 16 GA GALVANIZED STEEL EXTERIOR WALL AND CEILING, 20 GALVANIZED STEEL INTERIOR WALL AND CEILING, FLOOR INNER LINER SHALL BE 16GA GALVANIZED STEEL, FLOOR BOTTOM LINEAR SHALL BE 20GA GALV. LEVEL 1 THERMAL BREAK, 5 INCH TALL BASE RAIL, ENERGY RECOVERY VENTILATION, 10% ECONOMIZER CAPACITY, KNOCK DOWN CONSTRUCTION																										6	UNIT TO INCLUDE MERV 8 PRE-FILTERS, WITH MERV 8 SECONDARY PRE FILTER AND MERV 14 FINAL FILTERS.																
2	SUPPLY FAN: DIRECT-DRIVE PLENUM FAN, 1.5 SERVICE FACTOR, VARIABLE PITCH DRIVE, VARIABLE FREQUENCY DRIVE--FIELD MOUNTED WITHOUT BYPASS, DOORS RIGHT OR LEFT SIDE WITH SWITCHED MARINE LIGHT; EXHAUST-RETURN FAN: DIRECT DRIVE, 1.5 SERVICE FACTOR, VARIABLE PITCH DRIVE, VARIABLE FREQUENCY DRIVE--FIELD MOUNTED WITH BYPASS, DOORS RIGHT OR LEFT SIDE WITH SWITCHED MARINE LIGHT																										7	NOTE: FOR THE ENTIRE MECHANICAL ROOM, PROVIDE ISOLATION, RESILIENT HANGERS FOR ALL PIPING, DUCTWORK, RACEWAY AND EQUIPMENT HUNG FROM STRUCTURE																
3	COOLING COIL : STAINLESS STEEL DRAIN PAN, RIGHT OR LEFT SIDE DOOR WITH SWITCHED MARINE LIGHT																										8	CONDITION OF BIDDING IS DELIVERY OF EQUIPMENT WITHIN REQUIRED TIMELINE. EQUIPMENT DELIVERY IS REQUIRED 12-14 WEEKS AFTER SHOP DRAWING APPROVAL (18 WEEKS AFTER ORDERING MAXIMUM)																
4	FILTER MIXING BOX: DAMPER: REAR PREMIUM OPPOSED, 4 IN. FLAT PRE-FILTERS, 12 IN SECONDARY FILTERS; DOOR RIGHT SIDE																										9	MANUFACTURER'S REPRESENTATIVE IS REQUIRED TO VISIT SITE AND FIELD VERIFICATION UNIT DIMENSIONS AND ACCESS PRIOR TO SUBMITTING BIDS.																
5	PROVISIONS FOR CONTROL WIRING , AND INTEGRATION TO BAS TO BE BY CONTROLS CONTRACTOR .																										10	PROVIDE WITH 1 VFD PER FAN , PROVIDE FAN(S) WITH INDIVIDUAL VFD CONTROL. VFD TO BE UNIT MOUNTED IN FIELD.																

ACOUSTIC DATA (HZ)

AHU-1 -SOUND POWER												AHU-2 -SOUND POWER											
	63	125	250	500	1000	2000	4000	8000	LwA	Lw			63	125	250	500	1000	2000	4000	8000	LwA	Lw	
O.A. OPENING	78	77	88	80	76	74	71	68	84	90			O.A. OPENING	78	77	88	80	76	74	71	68	84	90
E.A. OPENING	83	80	87	85	79	76	73	66	86	91			E.A. OPENING	83	80	87	85	79	76	73	66	86	91
S.A. OPENING	87	82	92	84	82	79	74	64	88	94			S.A. OPENING	87	82	92	84	82	79	74	64	88	94
R.A. OPENING	82	78	94	97	83	83	82	78	96	99			R.A. OPENING	82	78	94	97	83	83	82	78	96	99

CUSTOM UNIT AIR COIL SCHEDULE (HYDRONIC) HEATING AND COOLING

BASIS OF DESIGN IS NORTEK -TENTROL, CARRIER OR TRANE APPROVED EQUAL MODELS ACCEPTABLE

TAG	LOCATION	AREA SERVED	MAX SUPPLY AIR (CFM)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	FACE AREA (SQ FT)	COIL DATA									MAX FACE VELOCITY (FPM)	MAX AIR PRES DROP (IN WC)	AIR TEMPERATURE (DEG F)				WATER TEMP (DEG F)		COIL FLOW DATA			UNIT DATA		NOTES		
							QUANTITY	TYPE	WIDTH (INCH)	HEIGHT (INCH)	MIN ROWS	MAX FIN/ IN	FLUID TYPE	TUBE DIAM (IN)	TUBE THICKNES S (IN)			ENTER DB	ENTER WB	LEAVG DB	LEAVG WB	ENTERIN G	LEAVIN G	RATE (GPM)	MAX PD (FT)	MAX VEL (FPS)	MANFR	MODEL			
CC-1	AHU-1	THEATRE	25,000	1034.2	714.9	50	2	FULL CIRCUIT	120.0	30.0	6	12	UP TO 30% P.G.	0.63	0.02	500	0.95	80	67	53	52.9	44	58	147.2	5.23	2.7	NORTEK	TEMTROL	1,3		
HC-1	AHU-1	THEATRE	25,000	988	NA	52.5	2	FULL CIRCUIT	120.0	31.5	1	11	UP TO 30% P.G.	0.63	0.02	476	0.11	55	NA	91.3	NA	180	160	101.1	7.43	5.6	NORTEK	TEMTROL	2,3		
CC-2	AHU-2	LOBBY GRAND HALL	25,000	1034.2	714	50.0	20	FULL CIRCUIT	120.0	30.0	6	12	UP TO 30% P.G.	0.63	0.02	500	0.95	80	67	53	52.9	44	58	147.2	5.23	2.7	NORTEK	TEMTROL	1,3		
HC-2	AHU-2	LOBBY GRAND HALL	25,000	988	NA	52.5	2	FULL CIRCUIT	120.0	31.5	1	11	UP TO 30% P.G.	0.63	0.02	476	0.11	55	NA	91.3	NA	180	160	101.1	7.48	5.6	NORTEK	TEMTROL	2,3		

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1	CHILLED WATER COIL: BASE RAIL BREAK, STAINLESS STEEL DRAIN PAN , ALUM FINS, GALV. CASING, DUAL STEEL HEADERS		
2	HEATING COIL: ALUM FINS, GALV. CASING, DUAL STEEL HEADERS		
3	CONDITION OF BIDDING IS DELIVERY OF EQUIPMENT WITHIN REQUIRED TIMELINE. EQUIPMENT DELIVERY IS REQUIRED 12-14 WEEKS AFTER SHOP DRAWING APPROVAL (18 WEEKS AFTER ORDERING MAXIMUM)		