

AIR HANDLING UNIT UNIT SCHEDULE																																																		
UNIT NO.	SERVICE	LOCATION	FAN DATA							OUTSIDE AIR				COOLING COIL DATA										HEATING COIL DATA										FILTERS								Volts/Ph/Hz	MANUF & MODEL NO.	REMARKS						
			CFM	SP (IN W.G.)		RPM	MOTOR DATA			CFM	TEMP (°F)			AIR TEMP (°F)				TOTAL MBH	SENS. MBH	WATER TEMP. (°F)		GPM	WORK PRESS (PSIG)	FACE AREA (SF)	MAX FACE VELOC. (FPM)	MAX P.D.		AIR TEMP (°F)		TOTAL MBH	WATER TEMP. (°F)		GPM	WORK PRESS (PSIG)	FACE AREA (SF)	MAX FACE VELOC. (FPM)	MAX P.D.		PRE-FILTER						FINAL					
				EXT.	TOT.		RPM	BHP	HP		HEATING	COOLING	ENT	LVG	ENT	LVG	AIR (IN)			WTR (FT)	ENT					LVG	ENT	LVG	AIR (IN)		WTR (FT)	TYPE					NO.	SIZE EACH FILTER	MID-LIFE P.D. (IN)	TYPE	NO.				SIZE EACH FILTER	MID-LIFE P.D. (IN)				
AHU-1	AIRSIDE WEST	333 MECH RM	10,000	2.0		1336	PLUG	1200	13.172	15	5,000	-21	81	67	83.0	67.0	52.5	52.1	479.9	360.8	42	58	59.78	150	29.01	550	0.60	12.4	22.5	120.0	1,053.0	180	100	75.1	150	27.00	550	0.33	4.28	PLEATED MERV-8	-	-		ELECT MERV-13	-			460/3/60	TRANE PERFORMANCE CLIMATECHANGER	SEE BELOW
AHU-2	CORE	304 MECH RM	38,000	3.5		760	PLUG	1800	56.391	60	15,000	-21	81	67	79.2	64.6	52.5	52.2	1,464.3	1,121.7	42	58	182.4	150	78.75	550	0.71	9.0	31.7	62.0	679.9	180	100	45	150	60.38	550	0.13	0.08	PLEATED MERV-8	-	-		ELECT MERV-13	-			460/3/60	TRANE PERFORMANCE CLIMATECHANGER	SEE BELOW
AHU-3	LANDSIDE WEST	333 MECH RM	17,000	2.5		1304	PLUG	1200	22.045	20	4,200	-21	81	67	84.0	67.0	52.5	52.2	622.2	473.1	42	58	77.51	150	34.14	550	0.74	16.7	44.5	120.0	1,405.5	180	100	93.6	150	34.14	550	0.33	4.28	PLEATED MERV-8	-	-		ELECT MERV-13	-			460/3/60	TRANE PERFORMANCE CLIMATECHANGER	SEE BELOW
AHU-4	LANDSIDE EAST	304 MECH RM	17,000	2.5		1304	PLUG	1200	22.045	20	5,400	-21	81	67	83.7	67.0	52.5	52.2	622.2	473.1	42	58	77.51	150	34.14	550	0.74	16.7	38.4	120.0	1,405.5	180	100	93.6	150	34.14	550	0.33	4.28	PLEATED MERV-8	-	-		ELECT MERV-13	-			460/3/60	TRANE PERFORMANCE CLIMATECHANGER	SEE BELOW
AHU-5	AIRSIDE EAST	304 MECH RM	10,000	2.0		1336	PLUG	1200	13.172	15	5,000	-21	81	67	83.0	67.0	52.5	52.1	479.9	360.8	42	58	59.78	150	29.01	550	0.60	12.4	22.5	120.0	1,053.0	180	100	75.1	150	27.00	550	0.33	4.28	PLEATED MERV-8	-	-		ELECT MERV-13	-			460/3/60	TRANE PERFORMANCE CLIMATECHANGER	SEE BELOW

1. PROVIDE VFD WITH INTEGRAL DISCONNECT SWITCH.
2. FINAL FILTER SHALL BE DYNAMIC AIR TYPE xxx ANGLE FILTER AND BE LOCATED UPSTREAM OF AIR COILS.
3. PROVIDE AUXILIARY DRAIN PAN PIPING CONNECTION WITH DRAIN.

FAN SCHEDULE													REMARKS
FAN NO.	LOCATION	SERVICE	CFM	STATIC PRESS. IN.W.G.	TYPE	DRIVE	RPM	BHP	MOTOR HP	VOLT/PH/Hz	MFR.	MODEL NO.	
SF-1.1	TUG TUNNEL	TUG TUNNEL	16,000	1.50	INLINE CENT	BELT	992	8.47	10	480/3/60	TWIN CITY	330 TSL	1, 2, 3, 4, 5 W/ VFD, SIDE MOTOR MOUNT
EF-1.1	TUG TUNNEL	TUG TUNNEL	17,600	0.50	INLINE CENT	BELT	934	5.7	7 1/2	480/3/60	TWIN CITY	330 TSL	1, 2, 3, 4, 5 W/ VFD, SIDE MOTOR MOUNT
EF-1.2					NOT USED								
EF-1.3	1ST FL ELECTRICAL	1ST FL ELECTRICAL	1,000	0.25	PROP	DIRECT	1650	-	1/8	120/1/60	TWIN CITY	122 TCPE	1, 2, 6
EF-1.4	WEST ELEV MACH ROOM	WEST ELEV MACH ROOM	400	0.25	PROP	DIRECT	1350	-	1/8	120/1/60	TWIN CITY	100A TCPE	1, 2, 6
EF-1.5					NOT USED								
EF-1.6	SPRINKLER 126	SPRINKLER 126	1,000	0.25	PROP	DIRECT	1650	-	1/8	120/1/60	TWIN CITY	122 TCPE	1, 2, 6
EF-1.7	LOADING 126	LOADING 126	500	0.25	PROP	DIRECT	1650	-	1/8	120/1/60	TWIN CITY	102A TCPE	1, 2, 6
EF-3.1	WEST MECH RM	WEST MECH RM	1,000	0.25	PROP	DIRECT	1650	-	1/8	120/1/60	TWIN CITY	122 TCPE	1, 2, 6
EF-3.2	ELECT 334	ELECT 334	1,000	0.25	INLINE CENT	BELT	1275	-	1/4	120/1/60	TWIN CITY	100A BSI	1, 2
EF-3.3	EAST MECH RM	EAST MECH RM	1,000	0.25	PROP	DIRECT	1650	-	1/8	120/1/60	TWIN CITY	122 TCPE	1, 2, 6
EF-3.4	EAST MECH RM	2ND FL ELEC & TELECOM	300	0.50	INLINE CENT	BELT	1250	0.05	1/4	120/1/60	TWIN CITY	080A BSI	1, 2
TEF-1	WEST MECH RM	WEST TOILET ROOMS	2,500	1.00	INLINE CENT	BELT	1799	1.13	1 1/2	480/3/60	TWIN CITY	150 TSL	1, 2
TEF-2	EAST MECH RM	EAST TOILET ROOMS	2,500	1.00	INLINE CENT	BELT	1799	1.13	1 1/2	480/3/60	TWIN CITY	150 TSL	1, 2
REF-1	WEST MECH RM	AHU-1	9,000	1.50	INLINE CENT	BELT	1020	5.4	7 1/2	480/3/60	TWIN CITY	300 TSL	1, 2 W/ VFD
REF-2	EAST MECH RM	AHU-2	32,000	2.00	INLINE CENT	BELT	690	20	25	480/3/60	TWIN CITY	490 TSL	1, 2 W/ VFD
REF-3	WEST MECH RM	AHU-3	15,000	2.00	INLINE CENT	BELT	850	8.9	10	480/3/60	TWIN CITY	365 TSL	1, 2 W/ VFD
REF-4	EAST MECH RM	AHU-4	15,000	2.00	INLINE CENT	BELT	850	8.9	10	480/3/60	TWIN CITY	365 TSL	1, 2 W/ VFD
REF-5	EAST MECH RM	AHU-5	9,000	1.50	INLINE CENT	BELT	1020	5.4	7 1/2	480/3/60	TWIN CITY	300 TSL	1, 2 W/ VFD

1. PROVIDE COMBINATION STARTER/DISCONNECT.
2. PROVIDE OSHA BELT & MOTOR GUARD.
3. ALL VFD'S TO HAVE NEMA 4X ENCLOSURE WITH VENT FAN AND STRIP HEATER FOR COLD START
4. CLAM SHELL DESIGN.
5. PROVIDE EXPLOSION PROOF MOTOR.
6. PROVIDE WALL SLEEVE WITH INTEGRAL BACKDRAFT DAMPER (U.N.O W/ MOTORIZED DAMPER ON DRAWINGS)

FAN POWERED TERMINAL UNIT SCHEDULE																	
TAG	UNIT SIZE- INLET DIAMETER (INCHES)	AIRFLOW RANGE (CFM)	PRIMARY AIR MINIMUM (CFM)	PRIMARY AIR MAXIMUM (CFM)	HOT WATER HEATING COIL			FAN							MANUFACTURER AND MODEL NUMBER	REMARKS	
					MBH	GPM	P.D. (FT W.C.)	FAN CFM COOLING MINIMUM	FAN CFM COOLING MAXIMUM	FAN CFM HEATING	ESP (IN.)	RPM	HP	ELECT DATA			
														VOLT/PH			FLA
SECOND FLOOR																	
FPB-2.1	3 - 10"	200-1100	180	700	17	1	1.25	180	700	700	0.3	1750	1/2	277/1	3.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-2.2	1 - 8"	100-475	110	400	12	0.5	1.0	110	200	200	0.3	1750	1/3	277/1	1.9	NAILOR 35 SWST	DDC W/ ECM MOTOR
THIRD FLOOR																	
FPB-3.1	5 - 14"	500-2000	360	1800	48	3.5	1.5	1400	2220	1900	0.38	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.2	5 - 14"	500-2000	375	1300	22	1.5	0.35	500	1300	730	0.38	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.3	5 - 12"	500-2000	300	1470	31	3	1.5	500	1125	1200	0.36	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.4	3 - 10"	200-1100	400	820	21	1.5	0.35	400	820	660	0.36	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.5	5 - 12"	500-2000	165	1500	19	1.5	0.35	500	1470	740	0.38	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.6	3 - 10"	200-1100	200	550	17	1	1.25	200	890	630	0.36	1750	1/2	277/1	3.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.7	3 - 10"	200-1100	200	810	21	2	0.7	600	810	810	0.38	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.8	3 - 14"	500-2000	825	1850	43	3.5	1.5	825	1850	1400	0.38	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.9	3 - 10"	200-1100	300	690	16	1	1.25	300	880	500	0.36	1750	1/2	277/1	3.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.10	3 - 10"	200-1100	400	800	21	1.5	0.35	400	800	660	0.36	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.11	3 - 8"	200-1100	200	600	9	1.5	0.35	200	600	280	0.36	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR
FPB-3.12	3 - 8"	200-1100	200	400	9	1.5	0.35	200	400	280	0.36	1750	3/4	277/1	5.1	NAILOR 35 SWST	DDC W/ ECM MOTOR

1. ALL FPB W/ PRIMARY AIR MAXIMUM OVER 2000 CFM SHALL HAVE PERFORATED, DOUBLE-WALL HOUSING.
2. PROVIDE PLENUM RETURN INLET SMOKE DETECTORS FOR ALL FPB'S W/ PRIMARY AIR MAXIMUM OVER 2000 CFM. DETECTOR SHALL BE HARDWIRED TOFAN TO SHUT DOWN UPON DETECTION AND ALARM BMS.

VAV TERMINAL UNIT SCHEDULE										
TAG	INLET DIAM. (IN.)	CFM			HEATING CAPACITY			MANUFACTURER & MODEL	REMARKS	
		MAXIMUM CAPACITY	MAXIMUM SETTING	MINIMUM SETTING	MBH	GPM	P.D. (FT W.G.)			
FIRST FLOOR										
VAV-1.1	8	1000	500	50	-	-	-	NAILOR 3001		
VAV-1.2	8	1000	770	80	-	-	-	NAILOR 3001		
VAV-1.3	12	2185	1200	100	-	-	-	NAILOR 3001		
VAV-1.4	8	710	480	50	-	-	-	NAILOR 3001		
VAV-1.5	8	1000	560	60	-	-	-	NAILOR 3001		
VAV-1.6	9	1300	990	100	-	-	-	NAILOR 3001		
VAV-1.7	7	710	380	50	-	-	-	NAILOR 3001		
VAV-1.8	8	710	490	50	-	-	-	NAILOR 3001		
VAV-1.9	12	2185	1600	200	-	-	-	NAILOR 3001		
VAV-1.10	8	1000	570	60	-	-	-	NAILOR 3001		
VAV-1.11	8	2185	1600	200	-	-	-	NAILOR 3001		
VAV-1.12	8	1000	600	60	-	-	-	NAILOR 3001		
VAV-1.13	8	1000	750	125	-	-	-	NAILOR 3001		
VAV-1.14	9	1300	980	100	-	-	-	NAILOR 3001		
VAV-1.15	7	710	410	50	-	-	-	NAILOR 3001		
SECOND FLOOR										
VAV-2.1	12	2185	1400	100	-	-	-	NAILOR 3001		
VAV-2.2	12	2185	1610	200	-	-	-	NAILOR 3001		
VAV-2.3	8	710	475	50	-	-	-	NAILOR 3001		
VAV-2.4	7	710	300	50	-	-	-	NAILOR 3001		
VAV-2.5	7	710	400	40	-	-	-	NAILOR 3001		
VAV-2.6	12	2185	1520	200	-	-	-	NAILOR 3001		
VAV-2.7	9	1300	980	50	-	-	-	NAILOR 3001		
VAV-2.8	12	2185	1500	200	-	-	-	NAILOR 3001		
VAV-2.9	8	1000	650	70	-	-	-	NAILOR 3001		
VAV-2.10	9	1300	1010	100	-	-	-	NAILOR 3001		
VAV-2.11	8	1000	600	60	-	-	-	NAILOR 3001		
VAV-2.12	8	1000	650	70	-	-	-	NAILOR 3001		
VAV-2.13	8	1000	700	70	-	-	-	NAILOR 3001		