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AIR HANDLING UNIT SCHEDULE

PLAN NO.	AREA SERVED	UNIT LOCATION	SUPPLY FAN							RELIEF FAN							OUTSIDE AIR		COOLING COIL (WATER)											PRE-FILTER		FINAL FILTER		UNIT WEIGHT (LBS)	APPROX. DIMENSIONS (LxWxH)	ORDER OF UNIT SECTIONS	REMARKS
			TYPE	VOL. CTRL.	CFM	TOT. S.P. (IN. WG)	EXT. S.P. (IN.WG)	HP	RPM	V/Φ/Hz	TYPE	VOL CTRL.	CFM	TOT S.P. (IN WG)	EXT. S.P. (IN WG)	HP	RPM	V/Φ/Hz	MIN. CFM	MAX. CFM	CFM	TOTAL COOL (MBh)	SENS. COOL (MBh)	E.A.T. DB (°F)	E.A.T. WB (°F)	L.A.T. DB (°F)	L.A.T. WB (°F)	FPM	A.P.D. (IN. WG)	# OF ROWS	GPM	E.W.T. (°F)	L.W.T. (°F)	W.P.D. (FT. WG)	TYPE	%	TYPE	%				
AHU-1 & AHU-2	MOB	MOB ROOF		VFD	55,000	6.08	3.75	100		460/3/60		VFD	45,000		1.25	20		460/3/60	8,250	55,000	55,000	2,110	1,529.1	80	67	54.8	54.6			6	352	45	57	61	2" PLEATED							EXISTING UNIT, EXISTING CONDITIONS
AHU-1	MOB	MOB ROOF		VFD	54,835	4.39		75		490/3/60		VFD	48,259		--	20		460/3/60	--	54,835	54,835	--	--	--	--	--	--			--	--	--	--	--	--							EXISTING UNIT, EXISTING CONDITIONS
AHU-2	MOB	MOB ROOF		VFD	52,289	4.01		75		490/3/60		VFD	42,928		--	20		460/3/60	--	52,289	52,289	--	--	--	--	--	--			--	--	--	--	--	--							EXISTING UNIT, EXISTING CONDITIONS

REMARKS:
1. INFORMATION PRESENTED ON FIRST ROW IS THE ORIGINAL DESIGN PERFORMANCE FOR AHU-1 AND AHU-2.
2. INFORMATION PRESENTED ON ROWS 2 AND 3 ARE THE ORIGINAL HVAC TEST & BALANCE PERFORMANCE VALUES FOR AHU-1 AND AHU-2.
3. PROVIDE LINE ITEM COST TO OWNER TO PRE-TEST THE TWO EXISTING ROOFTOP UNITS. INCLUDE INFORMATION FOR SUPPLY FAN (AMPS, STATIC PRESSURES), SUPPLY CFM, RETURN CFM AND OUTSIDE AIR CFM. TESTING TO BE PERFORMED PRIOR TO ANY DEMOLITION OR NEW WORK.

SECTION ABBREVIATIONS:
MX = MIXED AIR PLENUM
AC = ACCESS
SF = SUPPLY FAN
PF = PRE-FILTER
FF = FINAL FILTER
D = DIFFUSER PLATE
DP = DISCHARGE PLENUM
CC = COOLING COIL
HC = HEATING COIL
EC = ECONOMIZER
BL = BLENDER
RF = RELIEF FAN
H = HUMIDIFIER
EX = EXHAUST PLENUM

1

FAN SCHEDULE

PLAN NO.	AREA SERVED	MANUFACTURER	MODEL NO.	CFM	ESP (IN. WG)	FAN TYPE	DRIVE TYPE	MOTOR SIZE (HP)	V/Φ/Hz	SONES	ROOF OPENING SQ	UNIT WEIGHT (LBS)	INTERLOCK	REMARKS
VF-1	MOB	GREENHECK	GB	0.75				314	208/3/60	12	N/A			

REMARKS / ACCESSORIES:
1. MOTORIZED BACKDRAFT DAMPER
2. PROVIDE FACTORY PRE-WIRED DISCONNECTS
3. VFD
4. 18"H ROOF CURB
5. RF-6 FAN USED FOR SMOKE EVAC DURING SMOKE CONTROL SEQUENCE & ECONOMIZER CONTROL.
6. 7' EXHAUST STACK, AL WEATHER COVER, DRAIN, CURB, BELT TENSIONER, SPRING ISOLATION RAIL.
7. INLET COLLAR.
8. FAN SPEED CONTROLLER, PRE-WIRRED.
9. BELT GUARD.
10. BELT TENSIONER
11. INSULATED HOUSING
12. SPRING ISOLATORS
13. MULTIPLE SLEAVES & BELTS FOR PHASING AND BALANCING.

DIFFUSER AND GRILLE SCHEDULE

CEILING DIFFUSERS				RETURN / EXHAUST GRILLES			
CFM	BRANCH DUCT SIZE	NECK	FACE SIZE	CFM	BRANCH DUCT SIZE	NECK	FACE SIZE
UP TO 100	10"x6" or 8"ø	6"ø	12"x12"	UP TO 100	10"x6" or 8"ø	6"ø	12"x12"
101 - 250	12"x6" or 10"ø	8"ø	24"x24"	101 - 175	10"x6" or 10"ø	8"ø	24"x24"
251 - 375	14"x8" or 12"ø	10"ø	24"x24"	176 - 275	12"x8" or 10"ø	10"ø	24"x24"
376 - 500	16"x8" or 12"ø	12"ø	24"x24"	276 - 400	14"x8" or 12"ø	12"ø	24"x24"
501 - 850	10"x10" or 14"ø	14"ø	24"x24"	401 - 550	18"x10" or 16"ø	14"ø	24"x24"
851 - 1200	18"x12" or 16"ø	16"ø	24"x24"	551 - 700	20"x12"	16"ø	24"x24"
				701 - 1150	28"x12"	18"x18"	24"x24"
				1151 - 1900	40"x14"	26"x14" or 38"x10"	48"x48"
				1901 - 2600	50"x16" or 38"x20"	54"x10" or 26"x18"	48"x48"

NOTES:
1. SIZES ARE BY THIS SCHEDULE UNLESS NOTED OTHERWISE. DIFFUSERS ARE 4-WAY LOUVER FACE UNLESS NOTED OTHERWISE.
2. ALL DIFFUSERS IN THE SAME SPACE SHALL BE THE SAME SIZE AS THE LARGER SIZE FROM THE SCHEDULE.
3. RETURN AND EXHAUST GRILLES ARE BASED ON EGG-CRATE FACE, 500 FPM MAXIMUM NECK VELOCITY, AND 51% FREE AREA.
4. USE GRILLES AND DIFFUSERS WITH O.B.D. IN DRYWALL OR INACCESSIBLE CEILINGS.
5. USE GRILLES AND DIFFUSERS WITH OUT O.B.D. IN LAY-IN OR ACCESSIBLE CEILINGS. INSTALL MVD IN BRANCH DUCT OR SPIN-IN FITTING WITH MVD IN ALTERNATE ROUND DUCT.
6. UNLESS NOTED OTHERWISE, AIR DISTRIBUTION TYPE SHALL BE AS SCHEDULED. SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL AIR DISTRIBUTION TYPES.

HOT WATER REHEAT BOX SCHEDULE (CONSTANT/VARIABLE VOLUME)

BOX I.D.	MANUFACTURER	MODEL	SIZE	CFM RANGE	INLET S.P.	HEATING CFM	BOX INLET SIZE	BRANCH SIZE	E.W.T.	E.A.T.	L.A.T.	BTUh	W.P.D. FT	A.P.D. MIN	A.P.D. MAX	GPM	MBH	ROWS
C/VBH-6	PRICE	SDV	6	0 - 400	1.0"	120	6"ø	1/2"	180°	55°	130°	10,710	0.08	0.09"	0.36"	1.0	9.8	2
C/VBH-8	PRICE	SDV	8	401-600	1.0"	180	8"ø	1/2"	180°	55°	131°	12,870	0.25	0.09"	0.40"	1.5	14.8	2
C/VBH-10	PRICE	SDV	10	601-1100	1.0"	300	10"ø	3/4"	180°	55°	125°	14,850	0.18	0.09"	0.37"	2.0	22.6	2
C/VBH-12	PRICE	SDV	12	1101-1500	1.0"	450	12"ø	3/4"	180°	55°	125°	19,800	0.46	0.09"	0.32"	3.0	33.7	2
C/VBH-14	PRICE	SDV	14	1501-2000	1.0"	600	14"ø	3/4"	180°	55°	123°	24,885	0.50	0.09"	0.38"	4.0	44.2	2
C/VBH-18	PRICE	SDV	16	2001-3600	1.0"	1000	16"ø	3/4"	180°	55°	116°	31,995	0.26	0.09"	0.70"	5.0	65.6	2

NOTES:
1. SEE PLANS FOR SPECIFIC AIR FLOW INFORMATION.
2. PRESSURE INDEPENDENT CONTROLS.
3. AUXILIARY PRESSURE TAPS.
4. MULTI-POINT FLOW SENSOR.
5. ELECTRONIC CONTROLLER.
6. ANEMOSTAT, TITUS, TRANE, CARRIER, ARE ACCEPTABLE EQUALS

HVAC SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER
	RETURN GRILLE/REGISTER
	EXHAUST GRILLE/REGISTER
	DUCT TURNING UP
	DUCT TURNING DOWN
	45° ELBOWS
	90° RADIUS ELBOWS
	90° ELBOW WITH TURNING VANES
	90° ELBOW WITHOUT TURNING VANES
	AIR DEVICE RUN OUT. DUCT RUNOUT SIZED FROM SCHEDULE. DUCT RUN TO HAVE MANUAL VOLUME DAMPER AS SCHEDULED AND DETAILED. FLEX DUCT AT AIR DEVICE NOT TO EXCEED 6'-0".
FD	FIRE DAMPER
SD	SMOKE DAMPER
FD SD	FIRE AND SMOKE DAMPER
	WALL LOUVER
	MANUAL BALANCING DAMPER (MBD)
R	DUCTWORK RISE IN DIRECTION OF AIRFLOW
D	DUCTWORK DROP IN DIRECTION OF AIRFLOW
	TERMINAL UNIT (## = BOX ID FROM SCHEDULE)
VB-### / ###	TERMINAL UNIT TAG (BOX ID / CFM)
T	ROOM THERMOSTAT
	CONNECT TO EXISTING
E	EMERGENCY EXHAUST PURGE BUTTON

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MECHANICAL LEGEND & SCHEDULES