

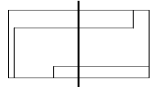


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Key Plan



Professional Seals
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**NOT FOR
CONSTRUCTION**

No.	Description	Date
1	BD - GMP	2019-07-03

MARK	BASIS OF DESIGN		INLET	MAX CFM	MIN CFM	UNOCCUPIED CFM	HEATING CFM	HEATING COIL DATA					NOTES	
	MFR	MODEL						EAT (°F)	LAT (°F)	EWI (°F)	LWT (°F)	MBH		GPM
TU SAMPLE	TITUS	DESV	8"	300	90	0	90	55	85	135	105	2.5	0.2	

GPM RANGE	PIPE RUNOUT DIAMETER
3 - 42	3/4"
43 - 50	1"
81 - 140	1-1/4"
41 - 220	1-1/2"

1. HIGH CAPACITY COIL
2. OVERSIZED CASING
3. COOLING ONLY
4. UNOCCUPIED SETBACK

MARK	CFM		NECK SIZE	FACE SIZE / LENGTH	DESCRIPTION
	MIN	MAX			
A	0	100	60	24x24	SUPPLY DIFFUSER
	101	225	80	24x24	BASIS OF DESIGN PRICE ASCD
	226	380	100	24x24	COLOR: WHITE
	381	500	120	24x24	MATERIAL: ALUMINUM
	581	760	140	24x24	OPPOSED BLADE DAMPERS: NO
	760	850	160	24x24	PROVIDE FACTORY INSULATED BACKPAN
B	0	100	60	24x24	RETURN / EXHAUST GRILLE
	101	200	80	24x24	BASIS OF DESIGN PRICE 80
	201	350	100	24x24	COLOR: WHITE
	351	600	120	24x24	MATERIAL: ALUMINUM
	601	900	140	24x24	OPPOSED BLADE DAMPERS: NO
	901	1250	160	24x24	1/2" x 1/2" x 1/2" CELLS
C	0	180	6x6	-	SEWALL SUPPLY GRILLE
	181	310	8x8	12x10	BASIS OF DESIGN PRICE 620
	311	550	12x10	14x8	COLOR: WHITE
	551	850	14x12	18x10	MATERIAL: ALUMINUM
	851	940	14x14	18x12	OPPOSED BLADE DAMPERS: NO
	941	1260	20x14	20x10	3/4" BLADE SPACING
D	0	150	8x6	-	SEWALL RETURN / EXHAUST GRILLE
	150	230	12x6	-	BASIS OF DESIGN PRICE 630
	231	400	14x6	-	COLOR: WHITE
	401	700	16x12	20x10	MATERIAL: ALUMINUM
	701	900	18x14	22x12	OPPOSED BLADE DAMPERS: NO
	901	1400	26x16	30x12	45° FLECTION
E	0	140	10x6	-	SEWALL RETURN / EXHAUST GRILLE
	140	1700	28x20	38x24	BASIS OF DESIGN PRICE LFD
	1700	2100	30x14	38x24	COLOR: WHITE
	2100	2550	38x16	48x24	MATERIAL: ALUMINUM
	2550	2900	40x14	48x24	OPPOSED BLADE DAMPERS: NO
	2900	3250	48x16	48x24	PROVIDE FACTORY INSULATED BACKPAN
F	0	220	10x10	-	HEAVY DUTY LOW WALL RETURN / EXHAUST
	225	330	14x14	-	BASIS OF DESIGN PRICE 99L
	335	500	14x14	-	COLOR: WHITE
	500	760	20x14	-	MATERIAL: ALUMINUM
	760	2100	30x14	-	OPPOSED BLADE DAMPERS: YES
	85	2100	30x14	-	1/2" BLADE SPACING
LR / LE	0	100	-	24"	LINEAR SLOT SUPPLY
	101	150	-	36"	BASIS OF DESIGN PRICE SDS
	151	200	-	48"	COLOR: COORDINATE WITH ARCHITECT
	201	255	-	60"	MATERIAL: ALUMINUM
	255	300	-	60"	PATTERN CONTROLLER: NO
	300	350	-	60"	VOLUME DAMPER: NO

NOTES:
 1 AIR DISTRIBUTION DEVICES LOCATED WITHIN ACOUSTICAL TILE CEILING SHALL BE PROVIDED WITH BORDER FOR LAY-IN MOUNTING. AIR DISTRIBUTION DEVICES LOCATED WITHIN GYP-SUM BOARD CEILING OR WALLS SHALL BE PROVIDED WITH BORDER FOR SURFACE MOUNTING. REFER TO ARCHITECTURAL DOCUMENTS FOR CEILING TYPES.
 2 AIR DISTRIBUTION DEVICES LOCATED IN SMALL ROOMS WHERE FULL 24x24 LAY-IN GRID SPACE IS NOT AVAILABLE SHALL BE PROVIDED WITH SURFACE MOUNTING BORDERS IN LIEU OF LAY-IN. AND SHALL BE SURFACE MOUNTED IN A CEILING TILE. SECURE EACH DEVICE TO CEILING GRID WITH FIELD FABRICATED SUPPORTS ON TOP SIDE OF TILE. SO THAT TILE DOES NOT SAG OR CRACK.
 3 BRANCH DUCTWORK SHALL BE RUN FULL SIZE OF DIFFUSER/GRILLE NECK UNLESS OTHERWISE NOTED.
 4 DIFFUSER / GRILLE SHALL BE PAINTED TO MATCH CEILING COLOR. REFER TO ARCHITECTURAL & INTERIOR DOCUMENTS FOR CEILING COLOR.

MARK	MANUFACTURER	MODEL	SIZE	AIRFLOW (CFM)	FILTER TYPE	ROOM SERVED	ELECTRICAL DATA			
							MOTOR HP	FLA	VOLTS	PHASE
FFU-8-1	PRICE	FFU	2 X 4	600	4 HEPA	HD COMPOUNDING				
FFU-8-2	PRICE	FFU	2 X 4	600	4 HEPA	HD COMPOUNDING				
FFU-8-3	PRICE	FFU	2 X 4	600	4 HEPA	HD COMPOUNDING				
FFU-8-4	PRICE	FFU	2 X 4	600	4 HEPA	HD COMPOUNDING				
FFU-8-5	PRICE	FFU	2 X 4	600	4 HEPA	HD COMPOUNDING				
FFU-8-6	PRICE	FFU	2 X 4	600	4 HEPA	HD COMPOUNDING				
FFU-8-7	PRICE	FFU	2 X 3	500	4 HEPA	NON-HD COMPOUNDING				
FFU-8-8	PRICE	FFU	2 X 3	500	4 HEPA	NON-HD COMPOUNDING				
FFU-8-9	PRICE	FFU	2 X 3	500	4 HEPA	ANTE-ROOM				
FFU-8-10	PRICE	FFU	2 X 3	500	4 HEPA	ANTE-ROOM				

NOTES:
 1. PROVIDE EC FAN MOTOR
 2. PROVIDE ROOM SIDE REMOVABLE FILTER SERVICE
 3. PROVIDE SPEED CONTROLLER
 4. PROVIDE FILTER STATUS LIGHT ON FACE OF UNIT
 5. PROVIDE BAGNET BAS TIE-IN FOR MONITORING
 6. PROVIDE AEROSOL TEST PORTS

MARK	MANUFACTURER	MODEL	AIRFLOW DIRECTION	AREA SERVED	SIZE	AIRFLOW (CFM)					REHEAT COIL						
						MIN	MAX	CFM	WIDTH (IN)	HEIGHT (IN)	ROWS	EAT (°F)	LAT (°F)	MBH	EWI (°F)	LWT (°F)	GPM
SAV-8-1	PHOENIX	HSV	SUPPLY	HD COMPOUNDING	DUAL 14"	3600	3600	3600				50	70	66.1	135	105	4.3
SAV-8-2	PHOENIX	HSV	SUPPLY	NON-HD COMPOUNDING	12"	700	700	700				50	70	15.2	135	105	1.0
SAV-8-3	PHOENIX	HSV	SUPPLY	COMPOUNDING ANTE-ROOM	12"	550	550	550				50	70	11.9	135	105	0.8
EAV-8-1	PHOENIX	HEV	EXHAUST	HD COMPOUNDING HOOD 1	12"	500	500										
EAV-8-2	PHOENIX	HEV	EXHAUST	HD COMPOUNDING HOOD 2	12"	500	500										
EAV-8-3	PHOENIX	HEV	EXHAUST	HD COMPOUNDING HOOD 3	12"	500	500										
EAV-8-4	PHOENIX	HEV	EXHAUST	HD DRUG STORAGE HOOD	12"	500	500										

NOTES:
 1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
 2. REHEAT COILS SHALL BE SELECTED BASED ON MAX WPD OF 5 FT. AND APD OF 0.25" W.G.
 3. SCHEDULED MBH ARE MINIMUM
 4. PROVIDE 3/4" HMM PPE RUNOUTS TO REHEAT COILS
 5. SUPPLY AND EXHAUST VALVES SHALL CONTROL TOGETHER TO MAINTAIN ROOM AIRFLOW DIFFERENTIAL
 6. VALVE ACTUATOR SHALL BE QUICK REACTING, WITH A RESPONSE TIME OF LESS THAN 1 SECOND
 7. VALVES SHALL BE SET UP FOR PRESSURE-INDEPENDENT, CONSTANT VOLUME CONTROL

MARK	MANUFACTURER	MODEL	AREA SERVED	AIRFLOW (CFM)	HEATING COIL DATA					ELECTRICAL DATA				
					MBH	EAT (°F)	LAT (°F)	EWI (°F)	LWT (°F)	GPM	FAN FLA	VOLTS	PHASE	
RE-ZNR	WS	WS	GENERATOR ENGINE ROOM	135	135	105								
RE-ZNR	WS	WS	FIRE PUMP	135	135	105								
RE-ZNR	WS	WS	DOMESTIC WATER BOOSTER	135	135	105								
RE-ZNR	WS	WS	FUEL OIL FILTERS	135	135	105								
RE-ZNR	WS	WS	MED GAS MANIFOLD	135	135	105								
RE-ZNR	WS	WS	LEVEL 4 CEILING	135	135	105								

NOTES:
 1. SEE SPECIFICATIONS FOR ADDITIONAL MANUFACTURERS AND REQUIREMENTS
 2. MBH SHOWN IS MINIMUM
 3. MAX WPD OF 5 FT

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