

AIR DEVICE SCHEDULE

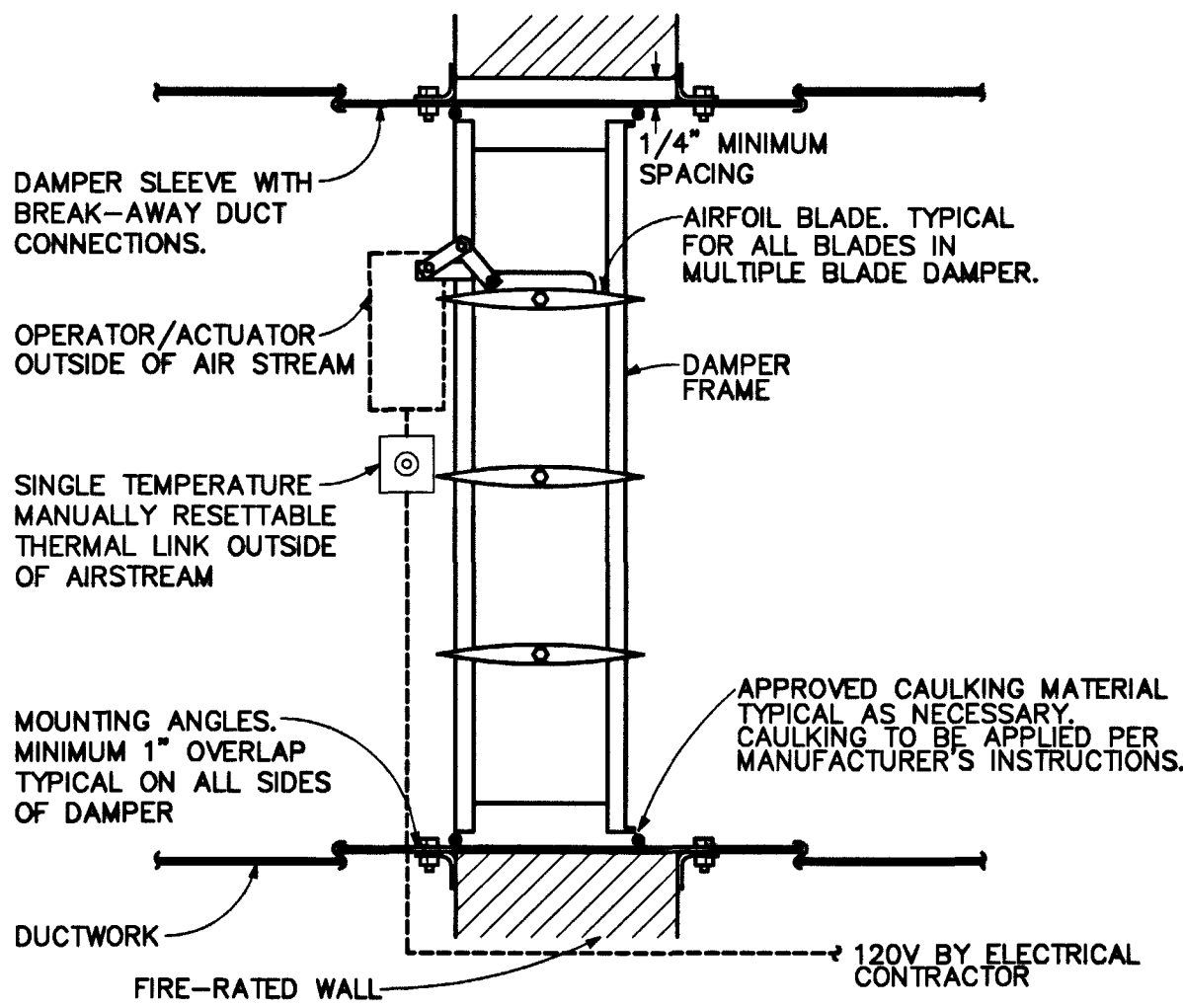
TAG	MANUFACTURER	MODEL NO.	TYPE	MATERIAL	FRAME STYLE	FACE OR MODULE SIZE	NECK SIZE	ADJUSTABLE AIR PATTERN	O.B.V.D.	MAX. NO. VALUE AT SPECIFIED FLOW RATE	COMMENTS
D1	TITUS	TDCA	LOUVERED FACE	STEEL	SURFACE	18"x18"	12"ø	PROVIDE	-	28	VERTICAL DISCHARGE PATTERN
D2	TITUS	TDCA	LOUVERED FACE	STEEL	T-BAR	18"x18"/24"x24"	12"ø	PROVIDE	-	28	VERTICAL DISCHARGE PATTERN
D3	TITUS	TDCA-AA	LOUVERED FACE	ALUMINUM	T-BAR	18"x18"/24"x24"	14"ø	PROVIDE	-	28	HORIZONTAL DISCHARGE PATTERN
D4	TITUS	TDCA-AA	LOUVERED FACE	ALUMINUM	T-BAR	18"x18"/24"x24"	18"ø	PROVIDE	-	28	HORIZONTAL DISCHARGE PATTERN
D5	TITUS	250	ADJUSTABLE BLADE	STEEL	SURFACE	8"x8"	6"x8"	PROVIDE	-	28	
D6	TITUS	250	ADJUSTABLE BLADE	STEEL	SURFACE	12"x12"	10"x10"	PROVIDE	-	28	
D7	TITUS	PCS	PERF. FACE	STEEL	T-BAR	24"x24"	6"ø	PROVIDE	-	28	
D8	TITUS	PCS	PERF. FACE	STEEL	T-BAR	24"x24"	8"ø	PROVIDE	-	28	
D9	TITUS	PCS	PERF. FACE	STEEL	T-BAR	24"x24"	10"ø	PROVIDE	-	28	
D10	TITUS	PCS	PERF. FACE	STEEL	T-BAR	24"x24"	12"ø	PROVIDE	-	28	
D11	TITUS	PCS	PERF. FACE	STEEL	T-BAR	24"x24"	14"ø	PROVIDE	-	28	
D12	TITUS	PCS	PERF. FACE	STEEL	T-BAR	24"x24"	16"ø	PROVIDE	-	28	
D13	TITUS	PCS	PERF. FACE	STEEL	T-BAR	24"x24"	16"x18"	PROVIDE	-	28	
D14	TITUS	CT-481	LINEAR BAR	ALUMINUM	SIDEWALL	6'-1"(L)x4"(W)	6'-0"(L)x3"(W)	-	PROVIDE	28	15 DEGREE DEFLECTION WITH FRAME & BORDER TYPE 3
D15	TITUS	CT-481	LINEAR BAR	ALUMINUM	SIDEWALL	6'-1"(L)x8"(W)	6'-0"(L)x6"(W)	-	PROVIDE	28	15 DEGREE DEFLECTION WITH FRAME & BORDER TYPE 3
D16	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SIDEWALL	-	18'-0"(L)x2'-3/4"(W)	PROVIDE	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 8 MODEL FBRI-10 36"(L) INSULATED PLENUMS
D17	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	12'-0"(L)x2'-3/4"(W)	PROVIDE	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 3 MODEL FBRI-10 48"(L) INSULATED PLENUMS
D18	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	8'-0"(L)x2'-3/4"(W)	PROVIDE	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 2 MODEL FBRI-10 48"(L) INSULATED PLENUMS
D19	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	4'-0"(L)x2'-3/4"(W)	PROVIDE	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 1 MODEL FBRI-10 48"(L) INSULATED PLENUMS
D20	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	6'-0"(L)x2'-3/4"(W)	PROVIDE	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 2 MODEL FBRI-10 36"(L) INSULATED PLENUMS
D21	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	3'-0"(L)x2'-3/4"(W)	PROVIDE	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 1 MODEL FBRI-10 36"(L) INSULATED PLENUMS
D22	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	18'-0"(L)x2'-3/4"(W)	PROVIDE	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 4 MODEL FBRI-10 48"(L) INSULATED PLENUMS
D23	TITUS	TDCA-AA	LOUVERED FACE	ALUMINUM	T-BAR	18"x18"/24"x24"	10"ø	PROVIDE	PROVIDE	28	HORIZONTAL DISCHARGE PATTERN
R1	TITUS	50F	EGGCRATE	ALUMINUM	T-BAR	12"x12"	10"x10"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
R2	TITUS	50F	EGGCRATE	ALUMINUM	SURFACE	16"x18"	14"x14"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
R3	TITUS	50F	EGGCRATE	ALUMINUM	SURFACE	20"x20"	18"x18"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
R4	TITUS	50F	EGGCRATE	ALUMINUM	T-BAR	24"x24"	20"x20"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
R5	TITUS	50F	EGGCRATE	ALUMINUM	T-BAR	24"x24"	18"x18"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
R6	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	6"ø	-	-	28	
R7	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	8"ø	-	-	28	
R8	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	10"ø	-	-	28	
R9	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	12"ø	-	-	28	
R10	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	14"ø	-	-	28	
R11	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	16"ø	-	-	28	
R12	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	18"x18"	-	-	28	
R13	TITUS	PAR	PERF. FACE	STEEL	T-BAR	24"x24"	22"x22"	-	-	28	
R14	TITUS	PAR	PERF. FACE	STEEL	SURFACE	24"x24"	18"x18"	-	-	28	
R15	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	12'-0"(L)x2'-3/4"(W)	-	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 3 MODEL FBRI-10 48"(L) INSULATED PLENUMS
R16	TITUS	FL-10-JT	FLOW BAR	ALUMINUM	SURFACE	-	8'-0"(L)x2'-3/4"(W)	-	PROVIDE	28	PROVIDE (1) 1" SLOT, BORDER 22, CONCEALED FASTENING, END CAPS AND 2 MODEL FBRI-10 48"(L) INSULATED PLENUMS
E1	TITUS	50F	EGGCRATE	ALUMINUM	T-BAR	24"x24"	10"x10"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
E2	TITUS	50F	EGGCRATE	ALUMINUM	SURFACE	8"x8"	6"x8"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
E3	TITUS	50F	EGGCRATE	ALUMINUM	SURFACE	12"x12"	10"x10"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
E4	TITUS	50F	EGGCRATE	ALUMINUM	T-BAR	24"x24"	8"x8"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
E5	TITUS	50F	EGGCRATE	ALUMINUM	T-BAR	24"x24"	12"x12"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
TG1	TITUS	50F	EGGCRATE	ALUMINUM	T-BAR	24"x24"	12"x12"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
TG2	TITUS	50F	EGGCRATE	ALUMINUM	SURFACE	10"x10"	8"x8"	-	-	28	PROVIDE 1/2"x1/2"x1" CORE
DG1	TITUS	T-700L	DOOR GRILLE	STEEL	SURFACE	22-1/2"x22-1/2"	20"x20"	-	-	28	
DG2	TITUS	T-700L	DOOR GRILLE	STEEL	SURFACE	8-1/2"x8-1/2"	6"x8"	-	-	28	
DG3	TITUS	T-700L	DOOR GRILLE	STEEL	SURFACE	12-1/2"x12-1/2"	10"x10"	-	-	28	

MAKE-UP AIR UNIT SCHEDULE

MUA-1 ARES MODEL 175 MAKE-UP AIR UNIT FOR KITCHEN DUTY. 2920 CFM AT 0.30" E.S.P. UNIT SHALL BE COMPLETE WITH INSULATED GALVANIZED STEEL HOUSING, DOUBLE WIDTH FC FANS, WEATHERHOOD WITH BIRD SCREEN, ROOF CURB, DOWN DISCHARGE PLENUM AND EVAPORATIVE COOLING SECTION. INDIRECT FIRED GAS HEATER SECTION. CAPACITY 175 MBH INPUT, 140 MBH OUTPUT FOR 50°F TEMPERATURE RISE FOR 2920 CFM. PROVIDE DOWN DISCHARGE ARRANGEMENT WITH THERMOSTAT, CONTROL PANEL AND CONTROLS FOR INTERLOCK TO HOOD EXHAUST FANS. PROVIDE WITH STANDARD FLAME SAFEGUARD CONTROLS, MODULATING GAS VALVE, IGNITION TRANSFORMERS, MAIN AND PILOT SOLENOIDS AND REGULATORS. OPTIONS SHALL INCLUDE MOTORIZED SAFETY SHUT-OFF VALVE AND FREEZE PROTECTION ACCESSORY. 3/4 HP MOTOR, 208/3/60. 1100 LBS. OPERATING WEIGHT.

DUCTLESS SPLIT SYSTEM AIR CONDITIONING UNIT

GENERAL	NOMINAL TONS	2	1-1/2	1-1/2
	ALTITUDE (FT.)	2162	2162	2162
FAN COIL UNIT	BAROMETRIC PRESSURE	27.66	27.66	27.66
CONDENSING UNIT	TAG	FC-1	FC-2	FC-3
	MANUFACTURER	CARRIER	CARRIER	CARRIER
ACCESSORIES	MODEL NUMBER	40QNB024	40QNB024	40QNB024
	OPERATING WEIGHT (LBS.)	43	43	43
FAN COIL UNIT	CFM AT SITE ELEVATION	550	550	550
	OUTSIDE AIR CFM	-	-	-
CONDENSING UNIT	FAN MOTOR FULL LOAD AMPS	0.53	0.53	0.53
	VOLT/PHASE/HZ	208/1/60	208/1/60	208/1/60
ACCESSORIES	STARTER	INTEGRAL	INTEGRAL	INTEGRAL
	DISCONNECT	SEE ELEC.	SEE ELEC.	SEE ELEC.
CONDENSING UNIT	TAG	CU-1	CU-2	CU-3
	MANUFACTURER	CARRIER	CARRIER	CARRIER
ACCESSORIES	MODEL NUMBER	38HDL024	38HDL018	38HDL018
	OPERATING WEIGHT (LBS.)	136	130	130
FAN COIL UNIT	O.A.T. SUMMER (°F)	115/69	115/69	115/69
	E.A.T. SUMMER DB/WB (°F)	80/63	80/63	80/63
CONDENSING UNIT	TOTAL COOLING (MBTUH)	18.5	14.9	14.9
	SENSIBLE COOLING (MBTUH)	17.0	14.9	14.9
ACCESSORIES	VOLT/PHASE/HZ	208/1/60	208/1/60	208/1/60
	FULL LOAD AMPS	13.9	11.4	11.4
FAN COIL UNIT	STARTER	INTEGRAL	INTEGRAL	INTEGRAL
	DISCONNECT	SEE ELEC.	SEE ELEC.	SEE ELEC.
CONDENSING UNIT	LINE SET KIT	PROVIDE	PROVIDE	PROVIDE
	CONTROL TRANSFORMER	PROVIDE	PROVIDE	PROVIDE
ACCESSORIES	LIQUID LINE SOLENOID VALVE	PROVIDE	PROVIDE	PROVIDE
	TIME DELAY RELAY	PROVIDE	PROVIDE	PROVIDE
FAN COIL UNIT	LOW PRESSURE CUTOFF	PROVIDE	PROVIDE	PROVIDE
	HIGH PRESSURE CUTOFF	PROVIDE	PROVIDE	PROVIDE
CONDENSING UNIT	THERMOSTAT	PROVIDE	PROVIDE	PROVIDE
	CONDENSATE PUMP	PROVIDE	PROVIDE	PROVIDE



- NOTES:
- EACH SYSTEM PROVIDING HEATING AND COOLING SHALL BE EQUIPPED WITH COMBINATION SMOKE/FIRE DAMPERS AT LOCATIONS INDICATED ON THE PLANS.
 - SMOKE/FIRE DAMPERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND SHALL BE LOCATED AT PENETRATIONS OF FIRE-RATED WALLS. DAMPERS SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. DAMPER ASSEMBLY MUST BE A U.L. LISTED ASSEMBLY AND COMPLY WITH U.L. 555 AND 555S.
 - NOT USED.
 - WIRING FROM THE SMOKE/FIRE DAMPER TO THE ASSOCIATED AIR MOVING EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR AND SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC AND ELECTRICAL SECTIONS OF THE SPECIFICATIONS.
 - ELECTRICAL WORK SHALL BE DONE BY LICENSED ELECTRICIANS EITHER EMPLOYED BY OR SUB-CONTRACTED TO THE MECHANICAL CONTRACTOR.
 - SUBMIT SHOP DRAWINGS OF SMOKE/FIRE DAMPERS, WIRING, LOCATION, AND INSTALLATION DATA FOR APPROVAL.

SMOKE / FIRE DAMPER DIAGRAM
NO SCALE

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M0.02

RECORD DRAWINGS
Date: 5/21/03 This record drawing has been prepared in part, based upon information furnished by others. While the information is believed to be reliable, Harris Consulting Engineers P.C. cannot assume its accuracy, and is not responsible for the accuracy of this record drawing or for any errors or omissions which may have been incorporated into it as a result. Those relying on this record drawing are advised to obtain independent verification of its accuracy before applying it for any purpose.



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