VARIABLE AIR VOLUME AND TEMPERATURE SYSTEM SCHEDULE

MARK	AREA SERVED	MAKE	MODEL NUMBER	SIZE DIA. (IN.)	MIN. INLET APD (IN. W.C.)	CFM		VOLTAGE (V/HZ/PH)	REMARKS
						MAX.	MIN. VENT.		
VAV-3-1	132 FAMILY	CARRIER	OPNDR12ZC	12	0.25	570	180	24/60/1	1 2 3 4 5
VAV-3-2	133 OFFICE	CARRIER	OPNDR08ZC	8	0.25	120	50	24/60/1	1 2 3 4 5
VAV-3-3	134 OFFICE	CARRIER	OPNDR08ZC	8	0.25	120	50	24/60/1	1 2 3 4 5
VAV-3-4	135 OFFICE	CARRIER	OPNDR08ZC	8	0.25	120	50	24/60/1	1 2 3 4 5
VAV-3-5	136 OFFICE	CARRIER	OPNDR08ZC	8	0.25	120	50	24/60/1	1 2 3 4 5
VAV-3-6	127 OFFICE	CARRIER	OPNDR08ZC	8	0.25	130	60	24/60/1	1 2 3 4 5
VAV-3-7	128 COPY	CARRIER	OPNDR06ZC	6	0.25	50	50	24/60/1	1 2 3 4 5
VAV-3-8	130 OFFICE	CARRIER	OPNDR08ZC	8	0.25	150	60	24/60/1	1 2 3 4 5
VAV-3-9	125 BREAK	CARRIER	OPNDR12ZC	12	0.25	400	120	24/60/1	1 2 3 4 5
VAV-3-10	124 ELECT.	CARRIER	OPNDR10ZC	10	0.25	270	100	24/60/1	1 2 3 4 5
VAV-3-11	123 MECH.	CARRIER	OPNDR10ZC	10	0.25	300	110	24/60/1	1 2 3 4 5
VAV-3-12	122 LAUNDRY	CARRIER	OPNDR08ZC	8	0.25	200	80	24/60/1	1 2 3 4 5
VAV-3-BP	BYPASS	CARRIER	OPNDR16BC	16	0.25	1670	0	24/60/1	1 2 3 4 5

1. MINIMUM INLET AIR PRESSURE DROP INCLUDES A 0.25 IN. W.C. ALLOWANCE FOR DOWNSTREAM DUCT AIR PRESSURE DROP.
2. MAINTAIN NEC 110.26 CLEARANCE REQUIREMENTS AT VAV DAMPER ACTUATOR PER AHJ.
3. POSITION VAV DAMPER ABOVE CEILING TO ALLOW ACCESS THROUGH CEILING TILE FROM BELOW.
4. DAMPER TO FAIL IN PLACE UPON LOSS OF POWER.
5. PROVIDE VVT SYSTEM CONTROLS INCLUDING BUILDING MANAGEMENT SYSTEM BYPASS DAMPER CONTROL, ZONE DAMPER APPLICATION SPECIFIC CONTROLLERS, WALL MOUNTED ZONE TEMPERATURE SENSORS, AND ASSOCIATED DUCT MOUNTED TEMPERATURE AND PRESSURE SENSOR DEVICES, FOR A COMPLETE AND OPERABLE SYSTEM.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

PLAN MARK	MAKE	MODEL NUMBER	MODULE SIZE	NECK SIZE	FINISH (4)	MATERIAL	MOUNTING (2)	REMARKS
CD-1	TITUS	TMS-AA	24X24	8"ø	WHITE	ALUMINUM	LAY-IN	3 6 7
CD-2	TITUS	TMS-AA	24X24	10"ø	WHITE	ALUMINUM	LAY-IN	3 6 7
CD-3	TITUS	PASS-AA	24X24	10"ø	WHITE	ALUMINUM	LAY-IN	3 6 7
CD-4	TITUS	TMS-AA	12X12	8"ø	WHITE	ALUMINUM	SURFACE	3 5 7
LD-1	TITUS	FL-10, HIGHTHROW 1" SLOT, 2 SLOTS	4'	10"ø	WHITE	ALUMINUM	SURFACE	3 5 6 10 11
TG-1	TITUS	350FL	24X24	12"ø	WHITE	ALUMINUM	LAY-IN	1 5 6 7
TG-2	TITUS	FL-10, JETTHROW 1" SLOT, 2 SLOTS	4'	10"ø	WHITE	ALUMINUM	SURFACE	3 5 6 10
RG-1	TITUS	350FL	24X24	8"ø	WHITE	ALUMINUM	LAY-IN	1 3 5 7 8
RG-2	TITUS	350FL	24X24	10"ø	WHITE	ALUMINUM	LAY-IN	1 3 5 7 8
RG-3	TITUS	350FL	24X24	12"ø	WHITE	ALUMINUM	LAY-IN	1 3 5 7 8
RG-4	TITUS	350FL	24X24	14"ø	WHITE	ALUMINUM	LAY-IN	1 3 5 7 8
RG-5	TITUS	350FL	48X24	48X24	WHITE	ALUMINUM	LAY-IN	5 8
RG-6	TITUS	FL-10, JETTHROW 1" SLOT, 2 SLOTS	4'	12"ø	WHITE	ALUMINUM	SURFACE	3 5 6 10 11
EG-1	TITUS	50F	12X12	10X10	WHITE	ALUMINUM	DUCT	5 9
EG-2	TITUS	50F	8X6	6X6	WHITE	ALUMINUM	DUCT	5 9
EG-3	TITUS	50F	24X24	22X22	WHITE	ALUMINUM	LAY-IN	5 9

1. PROVIDE EXTERNALLY INSULATED PLENUM BOX ON GRILLE WHERE REQUIRED FOR FLEX CONNECTION.
2. CONFIRM ALL MOUNTING TYPES PRIOR TO ORDERING.
3. INSULATE BACK OF LAY-IN OR SURFACE MOUNTED PANEL.
4. COORDINATE COLOR WITH ARCHITECT PRIOR TO ORDERING OR MOUNTING.
5. FLANGED BORDER.
6. THROW PATTERNS AS INDICATED BY ARROWS ON FLOOR PLANS.
7. PROVIDE WITH MANUFACTURERS RAPID MOUNT FRAME IF LOCATED IN HARD CEILING OR IF 24"x24".
8. POSITION SO BLADES POINT TOWARDS THE WALL (CEILING MOUNTED), CEILING (WALL MOUNTED).
9. PROVIDE 1"x1"x1" CORE.
10. PROVIDE MANUFACTURERS UNINSULATED PLENUM.
11. PROVIDE EXTERNAL PLENUM INSULATION.

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New Kitchen Facility for

PALM BEACH COUNTY FOOD BANK

WARD C. CONNORS LICENSE No. 45839 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been electronically signed and sealed by Ward C Connors P.E. 45839 on 2/23/23 using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies.

Ward C Connors

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CLEAR SPAN STRUCTURES

Project No. 22.046
24 February 2023
Bidding, Permit and Construction

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JLRD PROJECT NO: 122110