

MARK RTU - 1 and RTU-2 RTU - 3 AREA RETAIL SPACE RECEIVING AREA 112,000 46,000 BTUH SENSIBLE 58,000 (5.0-TONS) BTUH TOTAL 146,000 (12.5-TONS) ENTERING DB / W 77.4 / 64.5 76.7 / 63.8 AMBIENT TEMP 95° F SUPPLY CFM 5,000 2,000 EXTERNAL SP. 0.8 OSA CFM REFER TO PLANS REFER TO PLANS FAN H.P. 1.0 (DIRECT DRIVE) **HEAT KW** 27 (230V) / 20.3 (208V) 12 (230V) / 9 (208V) **VOLTAGE / PHASE** 208-230 / 3 208-230 / 3 MCA 40-45 86-97 FUSE SIZE 40-45 90-100 EER/SEER2 (IEER 11.0 (14.7) 13.4(--) REFRIGERANT R-410A R-410A MODEL NO. TSJ150A3 TSC060G3 MANUFACTURER TRANE TRANE 1,218 lbs (vendor - confirm) 498 lbs (vendor - confirm UNIT BASE WEIGHT NOTES ON ACCESSORIES REQUIRED WITH UNITS:

AIR CONDITIONING UNIT SCHEDULE

- . PROVIDE FILTER RACK w/2" 30-35% FILTERS.. REPLACE AT END OF JOB AND PROVIDE (2) ADDITIONAL
- SETS OF SPARE FILTERS TO OWNER . PROVIDE LOW AMBIENT CONTROL 3. PROVIDE 5-MINUTE DELAY CONTROL TO PREVENT
- COMPRESSOR FROM SHORT CYCLING
- 4. INSTALL UNIT PER MANUFACTURER'S SPECIFICATIONS AND GUIDELINES
- . PROVIDE UNIT WITH ELECTRIC HEAT AND SINGLE POINT CONNECTION
- 6. UNIT DISCONNECT AND CONVENIENCE OUTLET PROVIDED BY DIV-16 (ELECTRICIAN)
- PROVIDE FACTORY MOUNTED OUTSIDE AIR HOOD WITH AUTOMATIC DAMPER, INCLUDING ECONOMIZER DAMPER WITH BAROMETRIC RELIEF AND
- ENTHALPY SENSOR WITH CONTROLS. PROVIDE "YORK" CONCENTRIC DIFFUSER KIT FOR RTU'S WITH FACTORY INSTALLED TRANSITION ADAPTER AT RTU. (COORDINATE WITH LIGHT FIXTURES) SEE
- NOTE FOR YORK NATIONAL ACCOUNTS ON THIS DWG. PROVIDE THRU-THE-BASE CONNECTIONS). PROVIDE MSAV MULTI-STAGE AIR VOLUME W/ V.F.D.

. PROVIDE WITH OVERFLOW DRAIN SWITCH IN PAN

AND BELT DRIVE KIT AS REQUIRED.

MECHANICAL KEYED NOTES:

- RTU-1 THRU RTU-3. PROVIDE AND INSTALL NEW PACKAGE ROOF-TOP UNIT. SEE SCHEDULE FOR UNIT INFORMATION.
 - SMOKE DETECTOR TO BE INSTALLED IN SUPPLY AIR DUCTWORK FOR ROOF-TOP UNIT. FIELD COORDINATE WITH FIRE ALARM SYSTEM USED AND LOCAL CODES.
- INSTALL CONCENTRIC DIFFUSER KIT BY YORK TO FIT RTU UNITS. INCLUDE FACTORY INSTALLED TRANSITION ADAPTER AT RTU. COORDINATE WITH LIGHT FIXTURES.
- SUPPLY REGISTERS MOUNTED ON 4-SIDES OF CONCENTRIC DIFFUSER. BALANCE AT 1,200-CFM EACH (RTU-1), AND 1,250-CFM EACH (RTU-2) AND 500-CFM (RTU-3)
- EXHAUST FAN TO BE MOUNTED ON CEILING w/DUCTWORK ROUTED TO SIDEWALL. PROVIDE STORM PROOF WALL CAP w/BACKDRAFT DAMPER (TYP.).
- 8"Ø EXHAUST DUCT TO WALL CAP.
- WALL CAP w/BACKDRAFT DAMPER.

CFM PER

0.06

0.06

0.12

0.12

+1,565

SQFT

CALCULATED

OSA CFM

17

10

1,610

143

CFM PER

PERSON

7.5

70 PER TOILE

70 PER TOILET

TOTAL AMOUNT OF OSA PROVIDED LESS EXHAUST (BUILDING PRESSURE):

220

- 8"Ø DUCT (w/DAMPERS) SPLIT TO TWO 5"Ø DUCTS AND ONE 6"Ø.
- FIRE DAMPER AT WALL (SEE DETAILS M2) NOT USED THIS STORE.

EQUIPMENT LABEL SPECIFICATIONS:

- ALL HVAC EQUIPMENT SHALL BE FURNISHED WITH BLACK LAMINATED PLASTIC LABEL w/WHITE ENGRAVED LETTERING AND FASTENED MECHANICALLY TO
- LABEL SHALL HAVE THE FOLLOWING INFORMATION w/1/2" LETTERING: **EQUIPMENT** # SUITE/SPACE #

PROVIDED

20

10

1,610

145 -110 (EXH)

-110 (EXH)

+1,295

CFM

NOTES AND SPECIFICATIONS

- 1. ALL MECHANICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE 8TH ED. 2023 FLORIDA BUILDING CODES, NFPA-90A, ALONG WITH ALL LOCAL LAWS AND ORDINANCES AND IN A MANNER SATISFACTORY TO THE OWNER AND AUTHORITY HAVING JURISDICTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS, INSPECTIONS AND PAY ALL APPLICABLE FEES.
- 2. TRANE PACKAGED HVAC SYSTEMS ARE REQUIRED (NO SUBSTITUTIONS ALLOWED). ALL HVAC EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN INSTALLATION GUIDE. CONTACT MARTY CUSICK OF TRANE NATIONAL ACCOUNTS (866) 986-4822, OR HOLT WALLACE AT TAMPA BAY TRANE (813) 877-8251.
- PROVIDE YORK CONCENTRIC DIFFUSER KIT AS SPECIFIED BY DOLLAR GENERAL NATIONAL ACCOUNTS HVAC MANUFACTURERS. (NO EXCEPTIONS PERMITTED). CONCENTRIC DIFFUSER KIT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. CONCENTRIC DIFFUSER SHALL BE HARD DUCTED FROM HVAC UNIT, THE USE OF FLEXIBLE DUCT DROPS ARE NOT ALLOWED, NO EXCEPTIONS.
- 4. ALL CONDENSATE TO BE SCHEDULE 40 PVC WITH PIPE SUPPORTS AT 4-FEET INTERVALS AND SUPPORTS CLIPPED DOWN TO STANDING SEAMS ON METAL ROOF SYSTEM (SEE DETAILS).
- SMOKE DETECTORS ARE REQUIRED FOR EACH HVAC UNIT. HVAC CONTRACTOR TO INSTALL IN SUPPLY DUCT DROPS. DETECTORS TO BE FURNISHED AND WIRED BY OTHERS (REFER TO ELECTRICAL PLANS). VERIFY CURRENT ADOPTED STATE AND LOCAL CODE REQUIREMENTS FOR INSTALLATION AND MOUNTING LOCATION OF
- 6. COORDINATE WITH METAL BUILDING VENDOR ON PROVIDING ROOF CURBS FOR RTU'S. REFER TO SHEET S3, FOR GENERAL NOTES AND DETAILS FOR ROOF CURB INFORMATION (SHOWN ON M1 FOR REFERENCE). CURB TO BE BY ROOF CURB SYSTEMS, LLC. CONTACT GC FOR METAL BUILDING VENDOR AND INCLUDE COST OF CURBS IN PRICE.
- 7. ALL SUPPLY AND EXHAUST AIR DUCTWORK SHALL BE CONSTRUCTED OF RIGID GALVANIZED SHEET METAL AND BE FABRICATED ACCORDING TO THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK. SUPPLY, RETURN AND POSITIVE PRESSURE EXHAUST DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH SMACNA SEAL CLASS C. INSULATE ALL SUPPLY AND RETURN DUCT DROPS TO CONCENTRIC DIFFUSERS WITH FIBERGLASS RIGID BOARD ON EXTERIOR (R-4.2) THAT IS ASTM-E84 COMPLIANT. INSULATE ROUND SUPPLY DUCT FOR OFFICE AREA WITH EXTERNAL FIBERGLASS DUCT WRAP (R-4.2) THAT IS UL-181 COMPLIANT.
- TESTING OF HVAC UNITS THRU EMS PANEL IS ACCOMPLISHED BY WARMING UP OR COOLING DOWN A SPACE TEMPERATURE SENSOR AND WATCH THE FAN, HEAT AND COOL STAGES CYCLE ON AND OFF. THIS REQUIRES TWO PEOPLE AT ALL TIMES, ONE TO WATCH THE SCREEN AND THE OTHER TO WATCH OPERATION OF THE HVAC UNIT. WHEN COMPLETE, PRESS THE HOME BUTTON TO RETURN TO THE MAIN SCREEN.
- 9. COORDINATE HVAC SENSORS LOCATIONS WITH SHEET EMS1. LOCATE SPACE TEMPERATURE SENSORS AT 8'-0" A.F.F.
- 10. POWER TO HVAC UNITS LISTED IN PREFERENCE ORDER.
- 11. PROVIDE CEILING MOUNTED EXHAUST FAN FOR RESTROOMS, INTERLOCK WITH RESTROOM LIGHTS. EXHAUST FAN SHALL BE VENTED THRU SIDE WALL, NOT THRU
- 12. CONCENTRIC DIFFUSERS, AVAILABLE THROUGH YORK, CAN BE USED ON ALL VENDOR'S EQUIPMENT. CONTACT YORK NATIONAL PRICING FOR INFORMATION. LOCATE THE BOTTOM OF DIFFUSER AT 12'-0" AFF. CONTACT NATIONAL ACCOUNTS AT 1-800-481-9738 OR EMAIL YORK-DOLLARGENERAL-BE@JCI.COM.

SEQUENCE OF OPERATION (A/C UNITS)

- A. SUPPLY FANS: THE EVAPORATOR FAN WILL RUN CONTINUOUSLY DURING OCCUPIED HOURS, AND CYCLE ON/OFF WITH COOLING/HEATING WHEN IN UN-OCCUPIED MODE, AS PROGRAMMED.
- B. OUTSIDE AIR DAMPER (RTU'S): OPEN WHEN EVAPORATOR RUNS (SEE ITEM "A" ABOVE)
- COOLING COIL: WHEN SPACE AIR TEMP IS ABOVE SETPOINT (75°F OCCUPIED/80°F UNOCCUPIED) THE COMPRESSOR SYSTEM SHALL ENERGIZE IN STAGES TO MAINTAIN
- HEATING COIL: WHEN SPACE AIR TEMP IS BELOW SETPOINT (68°F OCCUPIED/60°F UNOCCUPIED) THE ELECTRIC HEATER WILL ENERGIZE IN STAGES TO MAINTAIN HEATING SPACE SETPOINT.
- ECONOMIZER MODE: WHEN OUTDOOR ENTHALPY IS BELOW INSIDE ENTHALPY (28.1 BTU PER POUND OF D.AIR) THE ECONOMIZER DAMPER WILL OPEN TO FULL, AND CLOSE THE RETURN DAMPER AND RELIEF BAROMETRIC DAMPER WILL OPEN TO RELIEVE PRESSURE.

SEQUENCE OF OPERATION (EXHAUST FANS)

A. RESTROOM FAN: FAN WILL START AND RUN FULL SPEED WHEN OCCUPANCY SENSOR IS TRIGGERED.

SMOKE DETECTOR NOTES:

- THE DUCT SMOKE DETECTORS SHALL BE INSTALLED TO STOP THE FAN IN THE HVAC DUCT SYSTEM OVER 2,000cfm (RTU-1, RTU-2, AND RTU-3)
- . DETECTORS WITH ALARMS TO BE FURNISHED AND WIRED BY OTHERS. REFER TO ELECTRICAL PLANS FOR SPECIFICATIONS OF DETECTORS. COORDINATE WITH ELECTRICIAN FOR FINAL LOCATIONS OF DETECTORS IN SUPPLY DUCT DROPS PER CODE.
- SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH FBC 2023 8th EDITION OF MECHANICAL CODE, SECTION 606.

SYMBOL LEGEND

EXHAUST FAN SUPPLY AIR DIFFUSER TEMPERATURE SENSOR

RETURN/EXHAUST AIRFLOW SUPPLY AIRFLOW VOLUME DAMPER

—CD— CONDENSATE PIPE

FIRE DAMPER (FD)

WESLEY CHAPEL, FL 33544 PH (813) 991-1248 REGISTRY # 8397 MATTHEW D. LEWIS, P.E. FL LIC#56189

No 56189 STATE OF Digitally signed by matthew dilewis

AND ASSOCIATES 2257 TWELVE OAKS WAY, SUITE 103 24-011

PROJECT NUMBER

RAWING DATE: / DRAWN BY 03/05/24 - JEM REVISION DATE: / REVISED BY

JAMES BLYTHE

REGISTERED ARCHITECT

RA LEED AP BD+C

1459 SW 74 DR

GAINESVILLE, FL. 32607

AR94452

4000.249 **MECHANICAL PLAN**

INSTALLATION OF THE CURB AT THIS TIME ATTACH CURB THROUGH ROOF PANEL INTO SUPPORTS WITH SCREWS SPACED AT 3" O.C.
2, APPLY MASTIC & TUBE CAULK TO UNDER SIDE OF RIB CAPS, WITH TUBE CAULK EXPOSED
TO THE WEATHER SIDE. ATTACH RIB CAPS WITH FASTENERS 3" O.C.
3, GENEROUSLY APPLY TUBE CAULK AROUND PANEL SEAM WHERE IT ENTERS RIB CAP.
FORCING CAULK RACK LINGT TOR OF RIP CAP.

4 ROOF CURB SYSTEMS, LLC 、M1 /SCALE: N.T.S.

CURB INSTALLATION INSTRUCTIONS

CONCENTRIC

SUPPLY / RETURN AIR DROP DIFFUSER

SUPPLY AIR SECTION

、M1 /SCALE: N.T.S

RETURN AIR SECTION

INDICATED.

INSTALL HORIZONTAL AIR SCOOP HAVING A CONTINUOUSLY CURVED CROSS

INTO THE CONNECTED DUCTWORK. LENGTH OF SCOOP SHALL BE LIMITED TO

THE WIDTH OF THE SUPPLY AIR ANNULAR SPACE.

TYPICAL SUPPLY DROP WITH BRANCH CONNECTION

SECTION AND BALANCING DAMPER AT DUCT CONNECTION TO DIVERT SUPPLY AIR

BLANK-OFF SUPPLY AIR DISTRIBUTION

ON SIDE WITH BRANCH DUCT WHERE

WIND LOAD CODE COMPLIANCE NOTE: CURB SHOWN FOR GENERAL INSTALLATION INTENT. CURB SHALL BE SECURED TO MEET LOCAL WIND LOAD AS DETAILED ON METAL BUILDING STRUCTURAL PLANS AND DETAILS FOR TIE-DOWN OF RTU TO ROOF CURB AND ROOF CURB TO ROOF STRUCTURE.

AIR BALANCE ANALYSIS BLDG. OSA INTAKE MARK SUPPLY AIR RETURN AIR EXHAUST AIF PRESSURE RTU-1 5,000 4,180 +820 820 RTU-2 5,000 820 4,180 +820 EF-1 -110 110 EF-2 110 -110 RTU-3 2,000 145 1,855 +145

10,215

1,785

TABLE NOTES: BASED ON 2023 FBC MECHANICAL - TABLE 403.3.1.1, INCLUDING FOOTNOTE 'a'

MEN'S RESTROOM

VOMEN'S RESTROC

TOTALS:

12,000

65

105

Foreword

This publication details the installation requirements for dynamic application fire dampers as manufactured by Miami Tech Inc. Use of this manual for systems or products not manufactured or supplied by Miami Tech Inc shall not be applicable.

All products covered by this manual have been tested in accordance with UL555 and are authorized to bear the UL classification mark for fire dampers. Specific Fire Damper model numbers and their corresponding UL file numbers may be found in UL's Fire Resistance Directory. Miami Tech Inc. Fire Dampers have meet current UL requirements for Dynamic Curtain Style Fire Dampers July 2002.

For specific fire damper location requirements, duct construction and connection or installation practices, refer to the following codes or standards:

NFPA Publications:

NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilation Systems

UL Publications:

UL555 - Standard for Safety, Fire Dampers, Dynamic Dampers 7/2002.

SMACNA Publications:

Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems Guide HVAC Duct Construction Standards - Metal and Flexible

The Installation Instructions found within this manual have been specifically drawn and detailed to meet the requirements of UL555. Some jurisdictions may require additional or different installation methods; therefore, consult with the authority having jurisdiction for specific differences. For these cases, the requirements defined by the authority having jurisdiction will take precedence over the documents contained herein.

2 Miami Tech Inc. 3611 N.W. 74 Street • Miami, FL 33147 • 305-693-7054 • 305-693-6152 fax • www.miamitech.com

METAL OR WOOD STUD FRAMING FOR FIRE DAMPERS IN WALLBOARD PARTITIONS NOTE: Gypsum Wallboard screwed to all stud and runner flanges. 12" O.C. maximum, surrounding opening 2-1/2" RUNNER -SCREWS NOTE: DOUBLE STUDDING MUST BE USED ON THE VERTICAL SIDES OF THE OPENING. SECTION "A-A" NOT REQUIRED ON OPENINGS 36"X36" OR CEILING RUNNER-SMALLER. ON CENTER RUNNER 90° BEND 97-1/2" MAXIMU 2 EACH PANHEAD -

FIG. 3 MAXIMUM SIZE TABLE								
MODEL	Vertical		Horizontal		Vertical		Horizontal	
	Max. Width	Max. Height						
MFD	60	60	40	40	120	120	80	40
MFD3	48	48	40	40	-	-	80	40
MDFD	36	36	18	18	-	-	36	36
MDFD3	36/	36	18	18	-	-	36	36
MFDS	48	48	48	48	-	-	-	-
MFDS3	48	48	48	48	-	-	-	1
MDFDS	36	36	18	18	-	-	36	36
MDFDS3 /	36	36	18	18	-	-	36	36
MFDUS /	48	48	-	-	-	-	-	-
MFDU\$3	48	48	-	-	-	-	-	-

SCREWS

FLOOR RUNNER-

NOTE: For maximum single section sizes refer to maximum size table. For openings larger than given for single section, multiple dampers are required. For openings larger than given in multiple sections a 12" wide brick or reinforced mullion must be provided between adjacent assemblies.

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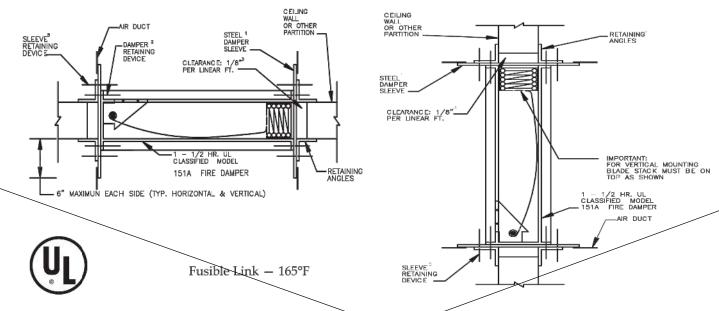
MIAMI TECH INC

(Model 151A)

I.O.M. • 151A FIRE DAMPER

(Model 151A)

Model 151A • 1.5 Hour Single Section Dynamic Fire Damper HORIZONTAL MOUNTING **VERTICAL MOUNTING**



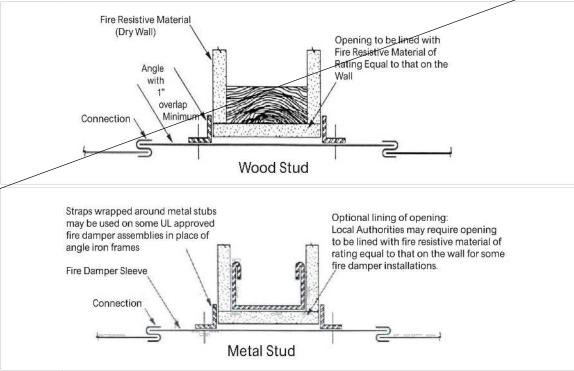
- 1. Sleeve shall be of the same or heavier gauge as the duct to which it is attached. Gauges shall conform to SMACNA or ASHRAE Duct Standards. When the following duct-sleeve connections are used, minimum gauge of the sleeve shall be 16 gauge on dampers not exceeding 24" wide x 24" high and 14 gauge on larger dampers: (a) angle reinforced standing seam, (b) angle reinforced pocket lock, (c) companion angle, or (d) metal fasteners spaced approximately 16" on center. Refer to the latest edition of UL 555 for connections which may be used in all systems.
- Damper is secured to sleeve by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel rivets, or 1/2" long welds...all of which must be 6" on center and a maximum of 13/4" from the ends.
- 3. Fire dampers shall have clearance of 1/8" per linear foot on width and height. The unit (damper and sleeve) may rest on the bottom of the opening and need not be centered.
- 4. Retaining angles shall be a minimum of 1 1/2" x 1 1/2" x 16 gauge steel. Angles increase in size proportionally, so that there will be a minimum of 1" overlap on the partition, and angles must also cover corners of opening.
- 10 sheetmetal screws, 1/4" diameter steel pop rivets or 1/2" long welds...all of which must be 6" on center and no more than 2" from the ends. Devices are to attach angle to sleeve only.
- 6. This installation is for dampers which are to be installed in masonry walls only. See Installation for Alternate Framing Methods on page 5, for wood stud and metal stud partition.
- breakaway joint is used.
- 8. Maximum duct size of single section Model 151A unit is 24" wide x 24" high.

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MIAMI TECH INC

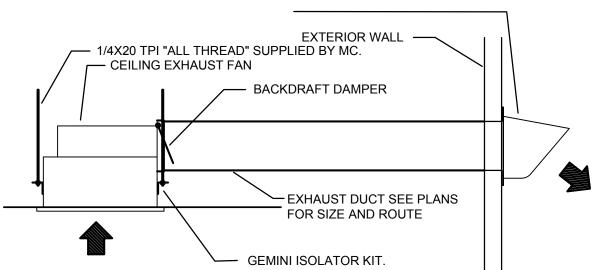
ALTERNATE FRAMING METHODS

Model 150 & 151 • Alternate Framing Methods



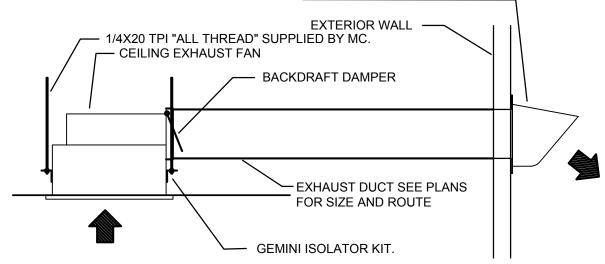
- 1. Thickness and type of fire resistive material may vary with the jurisdiction. Specific framing requirements of openings should be provided in the architectural and structural drawings that are submitted for building permits.
- 2. Sleeve shall be 14 gauge when the following duct-sleeve connection is: (a) angle reinforced standing seam, (b) angle reinforced pocket, (c) companion angles, (d) metal fasteners spaced approximately 16" on center. Refer to latest edition of UL 555 for connections with may be used in all systems. Gauges shall conform to SMACNA or ASHRAE Duct Standards.
- 3. Damper is secured to sleeve by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel rivets, or 1/2" long welds...all of which must be 6" on center and a maximum of 13/4" from the ends.
- Fire dampers shall have clearance of 1/8" per linear foot on width and height. The unit (damper and sleeve) may rest on the bottom of the opening and need not be centered.
- 5. Retaining angles shall be a minimum of 1 1/2" x 1 1/2" x 16 gauge steel. Angles increase in size proportionally, so that there will be a minimum of 1" overlap on the partition, and angles must also cover corners
- 6. The sleeve is retained in the partition opening by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel pop rivets or 1/2" long welds...all of which must be 6" on center and no more than 2" from the ends. Devices are to attach angle to sleeve only.
- 7. For Horizontal Mount Dampers, the assembly is formed by using a full length 1/8" by 5" wide mullion plate with 1/4" diameter steel nuts and bolts, spaced 6" on center and a maximum of 3/4" from corners attaching frames to
- 8. For Vertical Mount Dampers, the damper frames are butted together and fastened with either No. 10 x 3/4" long sheetmetal screws, 1/4" diameter steel rivets, 1/4" diameter steel nuts and bolts, or 1/2" long welds all of which must be spaced at 4" on center and maximum of 3/4" from corners of dampers.
- 9. Connecting ducts shall be terminated at the sleeve.
- 10. Maximum duct size of single section vertical only unit is 24" wide x 24" high.

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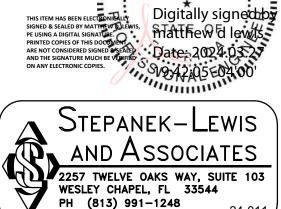




WALL CAP WITH BIRD SCREEN (PAINT TO MATCH WALL)







No 56189 RAWING DATE: / DRAWN BY 03/05/24 - JEM REVISION DATE: / REVISED BY

MECHANICAL DETAILS

PROJECT NUMBER 4000.249

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JAMES BLYTHE

REGISTERED ARCHITECT RA LEED AP BD+C 1459 SW 74 DR GAINESVILLE, FL. 32607

AR94452

5. The sleeve is retained in the partition opening by the use of either 1/4" diameter steel nuts and bolts, No.

7. Connecting ducts shall be terminated at the sleeve or transition collar where a draw-band type

S-5 MINI CLAMPS AVAILABLE VIA S-5 MINI MFG WEBSITE

CONDENSATE PIPE UNISTRUT - SCREW-TO CLAMP S-5 MINI CLAMP ON-STANDING SEAM

S-5 MINI ROOF CONDENSATE PIPE SUPPORT (METAL BUILDING) $^\prime$ SCALE: N.T.S.

REMOVABLE **CLEAN-OUT** AIR HANDLING UNIT (TYP. OF 4) REMOVABLE CLEAN-OUT w/ 1/8" HOLE IN CAP DRAIN-LINE SHALL BE SAME SIZE AS NIPPLE PITCHED DOWN TOWARD ON EQUIPMENT DRAIN @ 1/4" PER FT. MIN. EASILY - REMOVABLE CONNECTION OF SEAL CONDENSATE TRAP

REGISTRY # 8397 MATTHEW D. LEWIS, P.E. FL LIC#56189