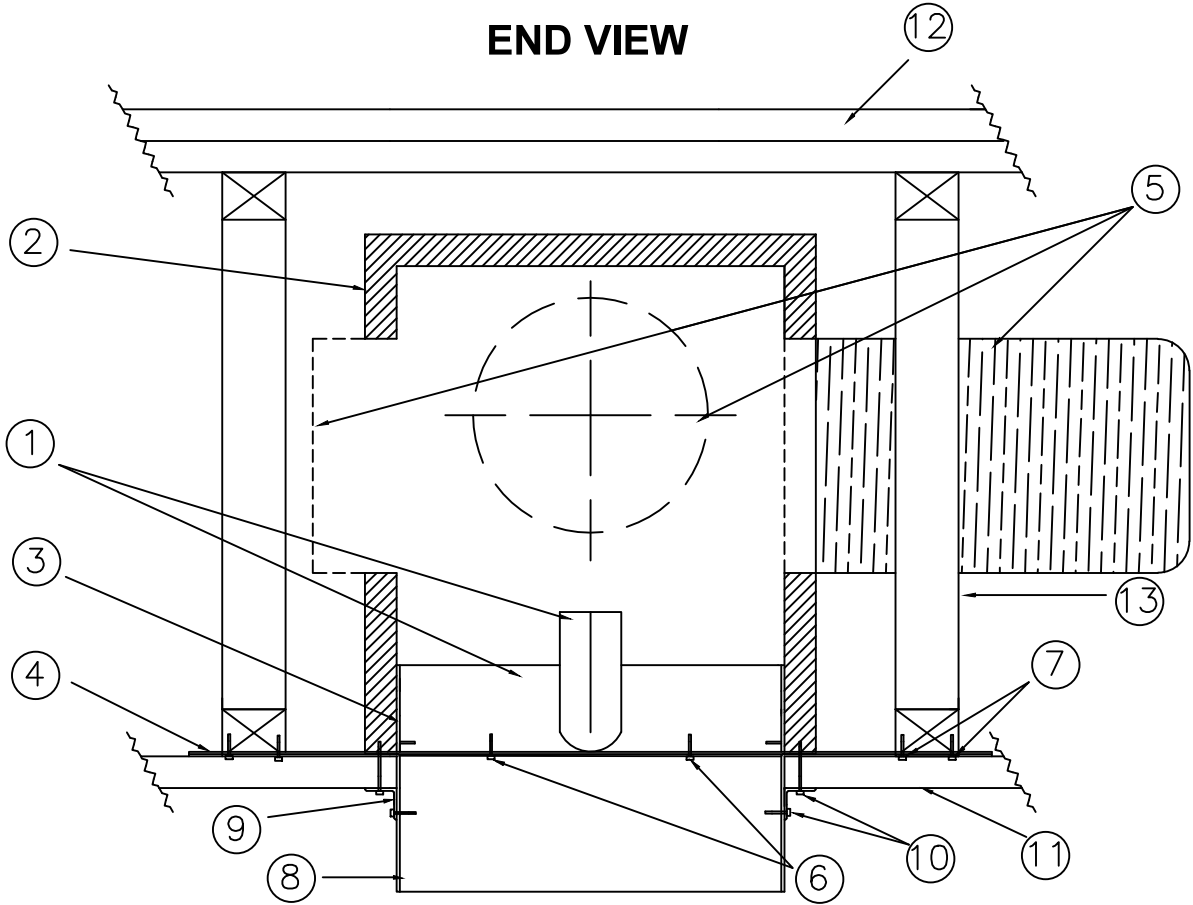




1 HOUR RATED CRD/PLENUM ASSEMBLY FOR FLOOR/CEILING AND ROOF/CEILING WOOD TRUSS ASSEMBLIES OF CONSTRUCTION L-528, L-546, L-558, L-562, L-563, M-516 AND P-544 TYPES.

END VIEW



- 1. Miami Tech, Inc. UL 555-C Listed Ceiling Radiation Damper
- 2. Fiberglass Ductboard Plenum (R6/R8) By Others
- 3. Extended Damper Sleeve - 22ga. Galvanized Steel
- 4. 26ga. Boot Clip Attached To 1" Perimeter Flange (See Alternative Methods on Page 2)
- 5. Supply/Return Ducts / Duct Connectors
- 6. Boot Clip Fasteners To 1" Perimeter Flange
- 7. Boot Clip Fasteners To Truss Wood Cords
- 8. Drop Duct Sleeve - 22ga. Galvanized Steel
- 9. Drop Duct Retaining Angle - 1" x 1" x 22ga. (On All Four Sides)
- 10. Drop Duct Angle Fasteners Into Extended Sleeve and/or 1" Perimeter Flange
- 11. Gypsum Board 5/8" Thick Minimum
- 12. Deck/Roof Materials
- 13. Truss Wood Cords



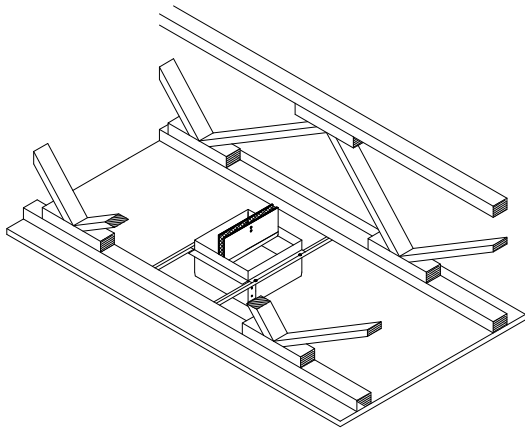
**CRPD
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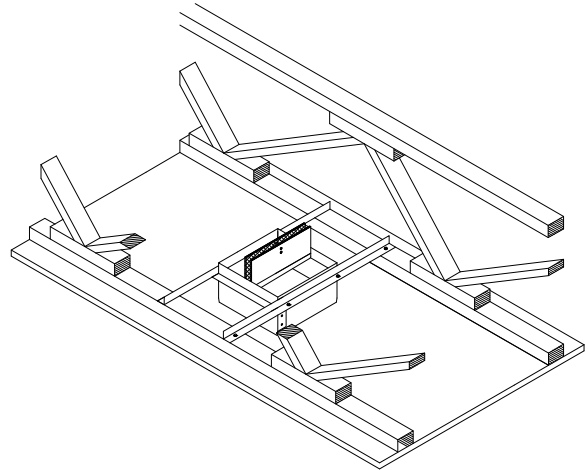
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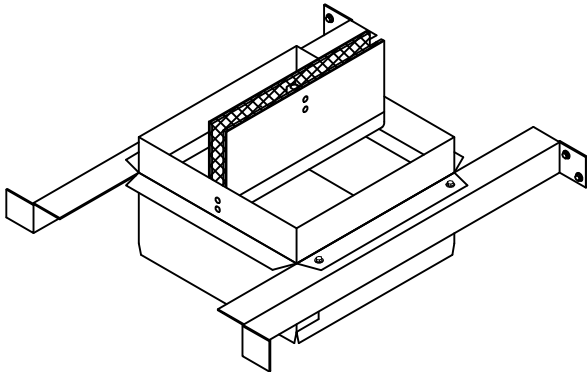
BOOTCLIP INSTALLATION



HANGER ANGLE INSTALLATION



"BETWEEN TRUSS" ALTERNATE MOUNTING



NOTE:

DUCTWORK MAY BE CONNECTED DIRECTLY TO THE BOTTOM SIDE OF THE CRPD FROM THE AIR HANDLER UNIT BELOW. RETAINING ANGLES ARE UTILIZED IN LIEU OF A GRILLE/REGISTER FLANGE THAT COVER THE GAP BETWEEN THE GYPSUM AND THE CRPD.



FILE NO. R10967

INSTRUCTIONS:

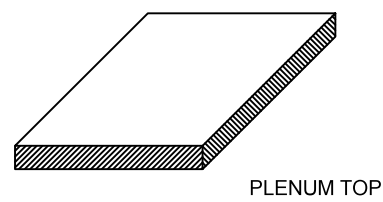
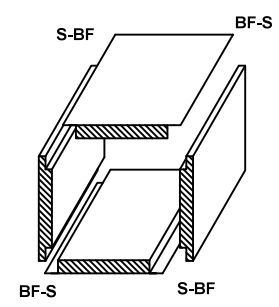
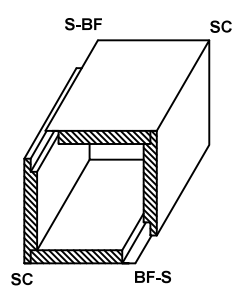
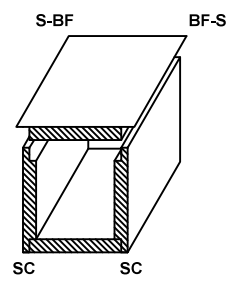
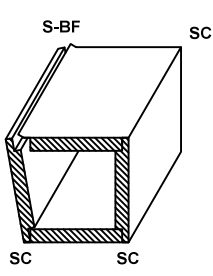
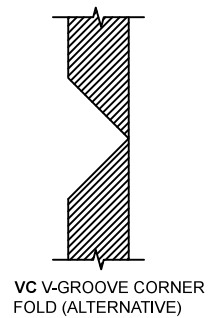
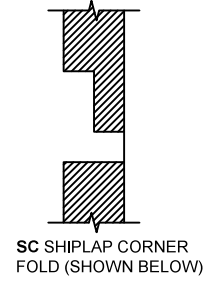
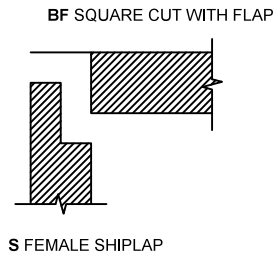
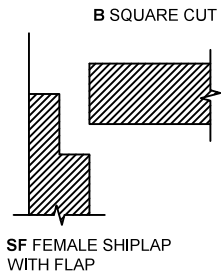
1. Before installing Damper CRPD, open the blades and hook the fusible link over the link catch on the opposite blade.
2. Damper can be supported with two standard 26ga boot clips snapped securely onto two flanges on opposite sides of the damper assembly. The boot clip shall be fastened at each flange/boot clip joint with (2) #8 x 3/4" SMS, and fastened at each end to the underside of the trusses with minimum #6 common nails or #8 wood screws, 2" long (min). Only one connection per end required, OR
3. Damper can be supported by 1"x1" 26ga hanger angles. Measure the actual truss centers and add approx 4" to determine straight angle lengths. (2) required per box. Establish the location of the 1" perimeter flange and fasten the (2) hangers to the box with (2) minimum #8 x 3/4" sheet metal screws or 3/16" dia rivets for each hanger angle, and attach each end of each angle to the top side of the trusses with minimum #6 common nails or #8 wood screws, 2" long (min), OR
4. Damper can be supported between trusses with (2) 1 1/2"x1 1/2"x16ga angles. Angles shall be notched and folded out 90 degrees as in the illustration above, so that folded edges sit flush against the insides of the trusses, away from damper. Flush edges to be fastened at each end to the side of the trusses with minimum #6 common nails or #8 wood screws, 2" long (min). (2) connections per end required. Damper shall be affixed to angles with (2) #8 x 3/4" SMS per clip/angle, OR
5. Damper can be supported with standard 26ga Furring/Resilient (F/RC) channel, either existing or user-installed. For perimeter flange to F/RC channel joint min (2) #8 x 3/4" SMS, and F/RC channel to truss attachment min (1) #8x2" min wood screw on each end of each F/RC channel.

IMPORTANT: bolts, rivets, screws, etc., used to install the damper or grille MUST NOT INTERFERE WITH DAMPER BLADE OPERATION.

**CRPD
CEILING RADIATION PLENUM DAMPER
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NOTES:

1. Fiberglass ductboard shall be UL 181 listed and have a density of 4 lbs per cubic foot and a minimum thickness of 7/8". Can be R6 or R8 insulation factor. Duct board shall include foil scrim.
2. Edge and corner preparation shall be in accordance with details shown above. Plenum top shall be fabricated and attached using similar method, S-BF or BF-S.
3. Corner sealing tape shall be UL 181 and a minimum of 2" wide.
4. Plenum shall be attached to the CRPD frame using UL 181 listed tape. Duct board shall be applied on damper frame above mounting flange.
5. Plenum box may be variable in size, but must not interfere with damper blade operation.
6. Refer to page 1 for ceiling damper installation details.

**CRPD
CEILING RADIATION PLENUM DAMPER
PLENUM ASSEMBLY INSTRUCTIONS**



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