

# CEILING RADIATION DAMPER ASSEMBLY WITH BOOT AND COLLAR

## TRUSS/GYPSUM INSTALLATION INSTRUCTIONS

MODEL MSCD-BT: RECTANGLE CRD / SIDE OR TOP OUTLET RECTANGULAR BOOT / ASSY. FOR REGISTERS

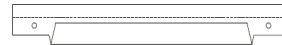
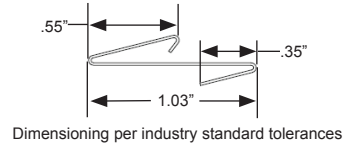
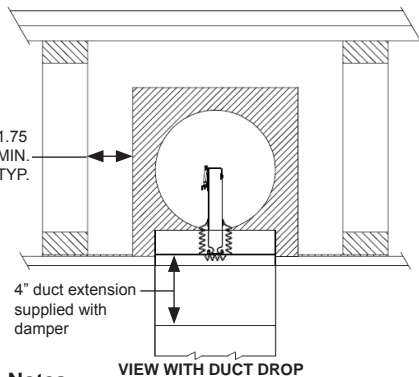
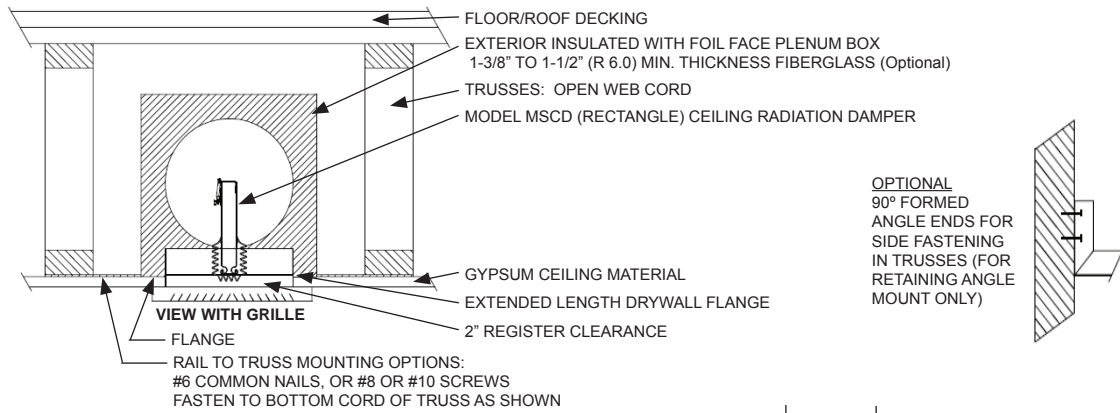
MODEL MSCD-BT: RECTANGLE CRD / SIDE OR TOP OUTLET RECTANGULAR BOOT / ASSY. FOR DROP DUCT

MODEL MSCD-95-BT / RECTANGLE CRD / 90° BOOT / FOR REGISTERS

MODEL MSCD-95-BT / RECTANGLE CRD / 90° BOOT / FOR DROP DUCT

1-Hour Rated register grille assembly CRD/Plenum Box Assembly for  
Floor/Ceiling, Roof/Ceiling and Wood Truss Assemblies

## CEILING DESIGN L-563, P-544, L-521, L-546, P-522, and L-528 Types



As an alternate to Hanger Angles, two standard 28 ga. min. Boot Rails shown above are snapped onto opposite sides of damper box flange. (See notes 2 & 4)  
NOTE: Steel framing members shall be included to create space between wood joist and gypsum board ceiling to allow room for Boot Rails shown above.



### Notes:

1. Before installing the damper assembly MSCD-BT and MSCD-95-BT, open the damper blades and hook the fusible link over the link catch on the opposite blade. Secure the wire link catch through the fuse link hole and carefully remove hand pressure that holds the damper blades together. The fuse link and wire catch will keep the damper blades open.
2. Measure the actual truss centers and add approx. 6" to determine the straight rail lengths, (2) required per box.  
**For Angle Mount Only:** When using the optional formed Boot Rail, allow for adequate flange length at each mounting and span the truss cavity to overlap face of truss bottom cords a minimum of 2-1/2 inches.
3. Establish the location of the gypsum flange and snap the (2) hanger rails to the plenum box.
4. Mounting rails are fastened to trusses with a minimum of two fasteners for each mounting point using #6 common nails or #8 or #10 wood screws.
5. The clearance between each side of the ceiling damper and the duct drop shall be 1/16 in. for a total of 1/8-inch maximum.
6. Steel grille to be attached to the ceiling damper using No. 8 by 2-inch long sheet metal screws at each end of the grille for a total of 2 (min.) screws.

**IMPORTANT: FASTENERS MUST NOT INTERFERE WITH THE DAMPER BLADE'S OPERATION**



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