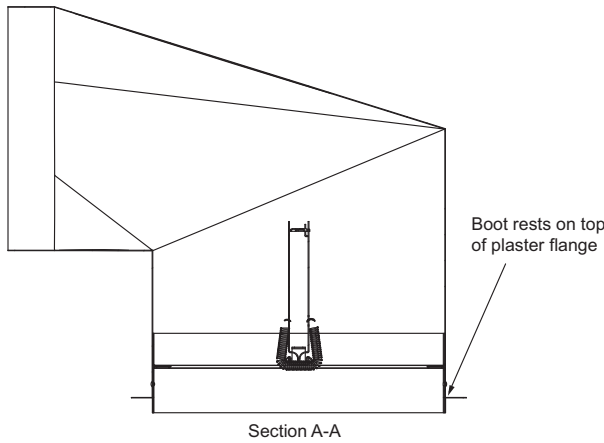
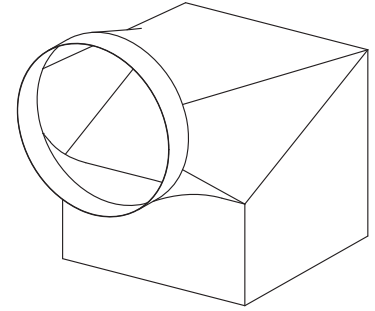
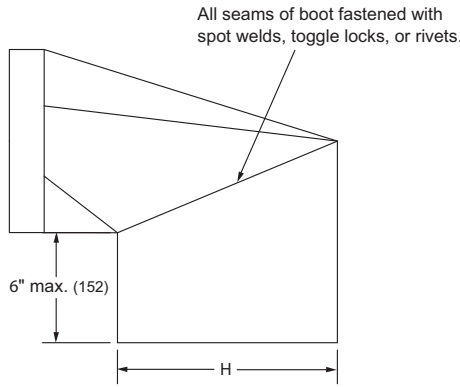
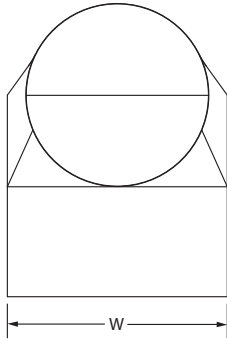
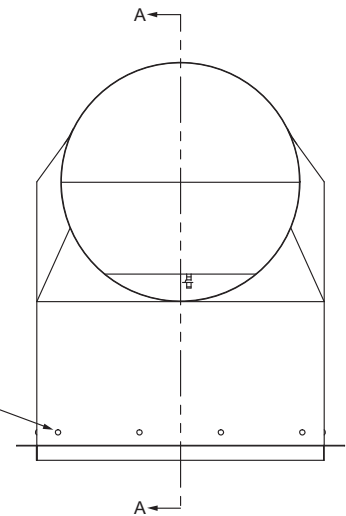


The following installation details apply to model RD-521-NP90



BOOT

Rivets, toggle locks, spot welds or #10 sheet metal screws spaced 3" (76) OC and 1" (25) maximum from edge. Fasten 1/2" (12) above plaster flange.



CEILING RADIATION DAMPER ASSEMBLY

- RD-521-NP90 square size limited to 12" (305) wide x 12" (305) high with a maximum area of 144 in² (929 cm²). RD-521-NP90 rectangular size limited to 14" (356) wide x 10" (254) high. The outlet is limited to 10" (254) maximum. Alternatively, when damper setback is 5/8" (16), size is limited to 16" (406) wide x 16" (406) high and the outlet is limited to 16" (406) maximum. Damper will be supplied approximately 1/8" (3) smaller than the ordered width and height for proper fitment to boot.
- Install the boot so that it fits tightly around the damper frame. No gaps are allowed between the boot and the damper frame. Secure the boot to the damper using 3/16" (5) steel rivets, toggle locks, or #10 sheet metal screws.
- The internal surfaces of the boot and attachment fasteners cannot interfere with the operation of the damper in any way. Damper must be cycled after boot attachment to verify operation.
- The boot must fit flush with the steel plaster flanges. Gaps between the flanges and the boot are not allowed.
- RD-521-90 shall be installed with a boot rail system for support in wood truss ceilings. Refer to RD-521-90 installation instructions.
- Before installing the boot, test that the damper operates as intended. The installed boot and fasteners must not interfere with the damper operation in any way.

NOTES:

- Use min. 28 gauge galvanized steel for boot construction.
- Refer to UL Fire Resistance Directory for details on floor/ceiling and roof/ceiling designs.
- RD-521-NP90 must be installed into floor/ceiling with the boot installed. Installing the RD-521-NP90 only is prohibited.

Underwriter's Laboratories file #R14980.

The product is also listed by CSFM fire #3226-1404:100 and conforms to NFPA 90A and NFPA 92A.



Information is subject to change without notice or obligation.

NOTE: Dimensions in parentheses () are millimeters.