



SECTIONS 7, 15, 21, 22, 23

NON-PENETRATING ROOFTOP PIPE, CONDUIT AND EQUIPMENT SUPPORTS

A. PORTABLE, NON-PENETRATING, ROOFTOP SUPPORTS FOR:

1. Piping.
2. Conduits and cable tray.
3. HVAC equipment.
4. Plumbing equipment
5. Duct H-frame/Pipe Trapeze Assemblies

B. ROOFTOP SUPPORT DESCRIPTION

Polymeric Rooftop Supports

Rooftop supports for piping, conduit, cable tray or equipment shall be provided for installation without requiring roof penetrations, flashing, or damage to the roofing material. Support Bases and Pipe Rollers shall be made of an engineered thermoplastic with appropriate additives for UV protection and an integral foam pad. All structural steel components shall be hot-dipped galvanized. Height-adjustable supports must be used where necessary.

The support shall have a continuous bottom surface to provide even load distribution and minimize point loading of the roof membrane. The support shall not have discontinuities, cutouts, or pockets on the bottom surface contacting the roof. The placement of slip sheets or mats between the support and the roof surface shall not satisfy the continuous bottom surface requirement. The support base shall have a radiused edge to enhance compatibility with roof membranes. Pipe and equipment supports shall be the nVent CADDY Pyramid series as manufactured by nVent.

The rooftop strut support shall provide a fixed-height mounting platform with a minimum of 4" or 6" off of the roof and a usable strut length of up to 6", 10", 16", 24", 30", 36", 42", 48" or 60": nVent CADDY Pyramid: PSF6C, PSF10C, PSF16C, PSF10D, PSF16D, PSB24A, PSB30A, PSB32A, PSB36A, PSB42A, PSB48A, PSB60A

The adjustable-height strut support shall allow elevations changes of up to 18" off of the roof and a usable strut length of up to 10" or 16": nVent CADDY Pyramid: PSA10CH13, PSA16AH18

The rooftop roller support shall provide roller capacity for up to 6" (nominal) steel pipe with a minimum 5-1/2" fixed height off of the roof: nVent CADDY Pyramid: PRF2, PRF3, PRF6

The adjustable-height roller support shall provide roller capacity for up to 6" (nominal) steel pipe and accommodate elevation changes of up to 16" off of the roof. The rollers shall be polymeric. The roller axle, fittings and other hardware shall be manufactured of hot-dipped galvanized steel or polymeric material. nVent CADDY Pyramid: PRA3H12, PRA6H16

The tool-free support shall include no metal hardware, strap, or strut channel, and accommodate up to either 1" or 2" pipes or conduits with non-metal clamps included such as nVent CADDY Pyramid PTF6, PTF10, PTF16. Or nVent CADDY Pyramid PTF6P, PTF10P, PTF16P that come with non-metallic pins to secure perforated tray.



Duct H-Frame Assembly and Pipe Trapeze Assembly

The assembly shall use supports made of an engineered thermoplastic with appropriate additives for UV protection and an integral foam pad. All structural steel components shall be hot-dipped galvanized.

The support shall have a continuous bottom surface to provide even load distribution and minimize point loading of the roof membrane. The support shall not have discontinuities, cutouts, or pockets on the bottom surface contacting the roof. The placement of slip sheets or mats between the support and the roof surface shall not satisfy the continuous bottom surface requirement. The support base shall have a radiused edge to enhance compatibility with roof membranes. The support shall be able to easily accommodate a 1-5/8" (41mm) channel. If the supports are supplied as part of a kit, the kit shall contain two supports and hot-dipped galvanized hardware containing two "L" brackets and strut nuts and bolts. nVent CADDY Pyramid: PHB, PHBK, PHBR, PHKR

Pipe and Duct supports shall be the nVent CADDY Pyramid series as manufactured by nVent.

Equipment Support Kit

The equipment support kit shall include post-base assemblies, frame with crossbars and equipment-support clamps. The supports shall be made of an engineered thermoplastic with appropriate additives for UV protection and an integral foam pad. All structural steel components shall be hot-dipped galvanized.

The support shall have a continuous bottom surface to provide even load distribution and minimize point loading of the roof membrane. The support shall not have discontinuities, cutouts, or pockets on the bottom surface contacting the roof. The placement of slip sheets or mats between the support and the roof surface shall not satisfy the continuous bottom surface requirement. The support base shall have a radiused edge to enhance compatibility with roof membranes.

The kit shall be adjustable to size and 12"-16" in height. The equipment assembly shall be able to be lifted as a complete unit and easily relocated as needed onto the roof. nVent CADDY Pyramid: PEK4B, PEK6B, PEB, PEKEF

The Equipment Support Kit shall be the nVent CADDY Pyramid series as manufactured by nVent.

Height Adjustable EPDM Pipe Supports for single pipes/conduits/condensate lines

Rooftop supports for piping, conduit, and condensate lines shall be provided for installation without requiring roof penetrations, flashing, or damage to the roofing material. Support Bases shall be made of a UV-stabilized, EPDM rubber sized to fit the diameter of the pipe or conduit being supported. The support shall contain appropriate additives for UV protection.

The EPDM support shall allow for tool-free pipe/conduit installation. The EPDM support shall allow for tool-free and integrally connected height adjustability of up to 1", 4", 6" or 7" in 1/2" increments as detailed on the contract drawings or specifications. nVent CADDY Pyramid: RPSE1H, RPSE1H24, RPSE1H57, RPSE2H46, RPSE4H46

The support shall have a continuous bottom surface to minimize point loading of the roof membrane. The support shall not have discontinuities, cutouts, or pockets on the surface contacting the roof. The placement of slip sheets or mats between the support and the roof surface shall not satisfy the continuous bottom surface requirement.



Pipe supports shall be the nVent CADDY Pyramid series as manufactured by nVent.

Wood supports are not acceptable.

C. MANUFACTURERS

Acceptable Manufacturer: nVent CADDY
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