

Pre-Assembled Door Canopies



Technical Data Series
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Article IX. Pre-Assembled Door Canopies

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Pre-Assembled Door Canopies

Section 9.01 Personal Door Canopies

Door canopies are attractive and efficient while eliminating the need and expense of drafting and manufacturing canopies as part of the building package.

Construction:

Canopies are constructed of 26 gauge material around an 18 gauge galvanized frame. Telescoping channels mount between girts on the interior of the building. Channels will accommodate girt spacing of up to 7'6". Channels are connected to canopy frame by two, ½" threaded rods.

All hardware necessary for installation is included.

Design:

Incorporates a flat soffit and an integral gutter drain. Canopy drains against building to the outside of the door jambs. Canopy can be installed in conjunction with any panel type or panel location. Units can be flashed together for continuous applications.

Finish:

26 gauge galvanized steel or aluminum. Unit can be painted after assembly to match most metal building colors to properly accent building trim.

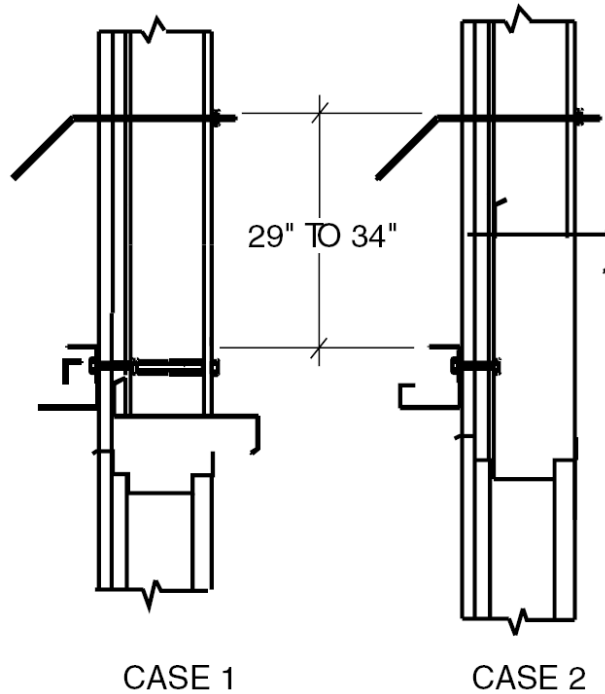
Standard Size:

4'0" projection from face of wall, available in 4'6" width for single doors and 7'6" width for double doors. Other sizes available upon request.

Loading:

4'6" wide canopy rated for 55# PSF gravity loading and 49# PSF wind uplift = 114 M.P.H. if canopy is hung under 20' from ground. (Optional 100# PSF available upon request.)

7'6" wide canopy rated for 55# PSF gravity loading and 38# PSF wind uplift = 100 M.P.H. if canopy is hung under 20' from ground. (Optional 100# PSF available upon request.)

Section 9.02 Erection Instructions

Case 1 – Girt near door head. Allows standard installation with bottom of canopy 1" above girt.

Case 2 – Girt too high for standard installation bottom support adapted to door jamb extension.

Case 1 – (Girt near door head. Allows standard installation with bottom of canopy 1" above girt.)

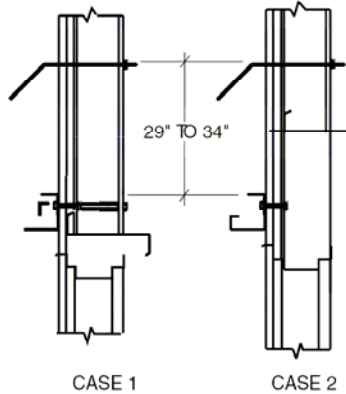
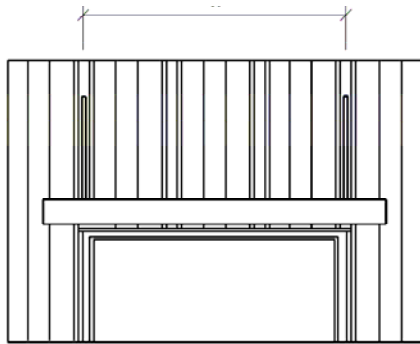
- 1.0 Install vertical support columns to girt framing - girt spacing between 2'-9" and 6'-0"
 - 1.1 Locate center of canopy at centerline of door. Adjust toward knob so that rod supports pierce wall panel on high or low flat areas. Mark girts at desired centerline.
 - 1.2 Attach clip angles 403 to inside bottom of column 401 and to inside top of column 402 with 2-1/2" bolts each. Insert column 402 inside column 401. (See Detail No. 1)
 - 1.3 Adjust columns to proper length to fit between girts. Secure 401 and 402 together with 6 #14 STS each col. (2 ea. fl. and web) (see Detail No. 1)
 - 1.4 With columns assembled, drill 9/16" diameter holes through 402 using holes in 401 flanges as guide.
 - 1.5 Locate columns in place back to back exactly 2' 10-1/4" apart at bottom (1' 5-1/8" each side of center line of canopy). Attach to girts with two #14 STS @ each end of each column.
- 2.0 Install upper hanger rod 404. (See Detail No. 2)
 - 2.1 Using upper holes as a guide locate and drill a 9/16" hole in wall panel.
 - 2.2 Insert long end of rod through wall (from exterior) and through one flange of column. Put one nut on rod and leave 1-1/2" thread. Place washer through insert inside flange. Place washer and second nut. Snug tight.
- 3.0 Install lower support bolts 405. (See Detail No. 4)
 - 3.1 Using lower holes in column as a guide locate and drill two 9/16" holes in wall panel (3'-0" c/c).
 - 3.2 Insert bolt with washer through inside flange, through pipe sleeve, outside flange, two hex nuts and through wall panel. Tighten nut against column. Space last nut snug against inside of wall panel for low condition (see Detail No. 3). Add nuts as follows: from exterior, thread one nut tight against panel with sealant under nut; thread second nut and locate at face of wall panel. This will position canopy (bolts 3'-0" c/c).
- 4.0 Install canopy to support rods. (See Detail No. 5)
 - 4.1 Thread nut onto upper hanger rod.
 - 4.2 For high condition of wall panel (see Detail No. 4), add sealant around bolt.
 - 4.3 Position canopy so that two lower bolts enter holes nearest center with back of canopy resting on bolts.
 - 4.4 Add washer to upper rods, insert upper rods through holes in top of support beams. Add washers and hex nuts. Add washer and nuts to bolts.
 - 4.5 Raise lower nuts on upper rod until canopy slopes 1/2" to 1" towards building. Tighten all nuts.
 - 4.6 Finish with closure & sealant by others as recommended.

Case 2 – (Girt too high for standard installation bottom support adapted to door jamb extension)

- 1.0 Locate desired bottom of canopy elevation on door jamb extensions. Measure up 3" and drill two 9/16" holes 3'-3" apart (one each jamb) for lower support bolts. (It may be necessary to drill from exterior.)
 - 1.1 Install vertical support columns for upper hanger rod same as case 1, except center on holes in door jamb exterior and drill 9/16" holes 2'-1/2" above holes in door jamb exterior.
- 2.0 Install upper hanger rod. (See 2.0, Case 1)
- 3.0 Install lower support bolt. (See Detail No. 6)
- 4.0 Install canopy to supports. (See 4.0, Case 1)

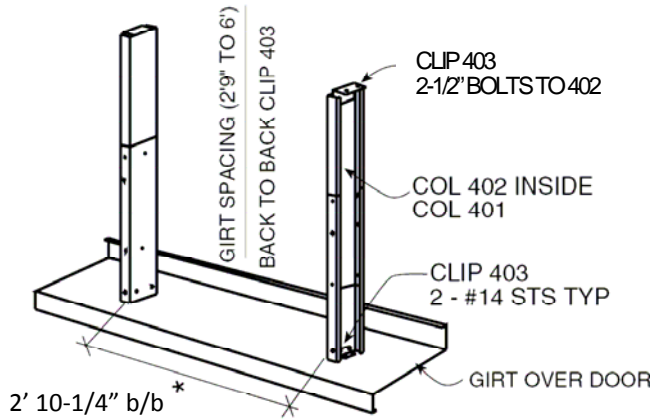
Section 9.03 Erection Illustrations

4'6" x 4' CANOPY 38" Center to Center
 7'6" x 4' CANOPY 86" Center to Center

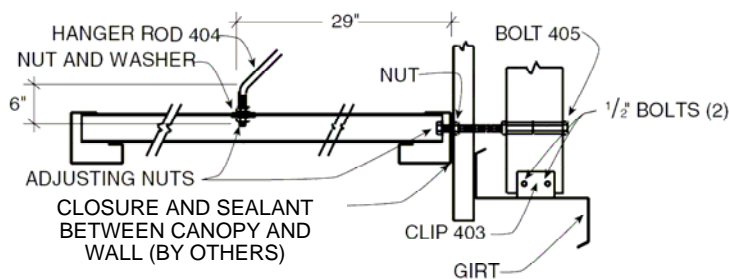


Case 1:
 Girt near door head. Allows standard installation with bottom of canopy 1" above girt.

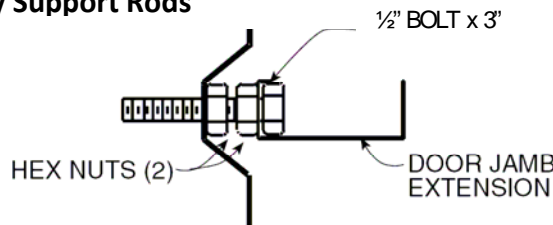
Case 2:
 Girt too high for standard installation bottom support adapted to door jamb extension.



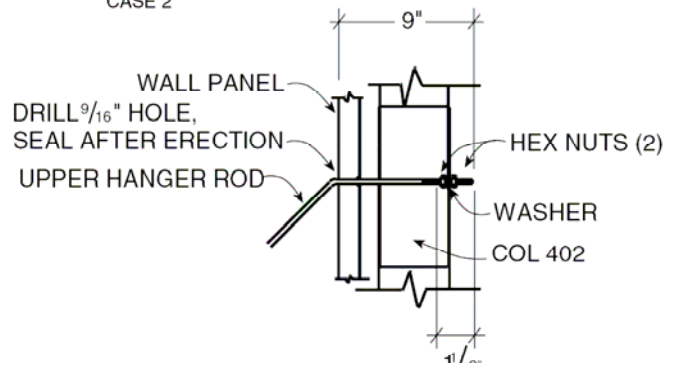
Detail 1: Install Support Columns



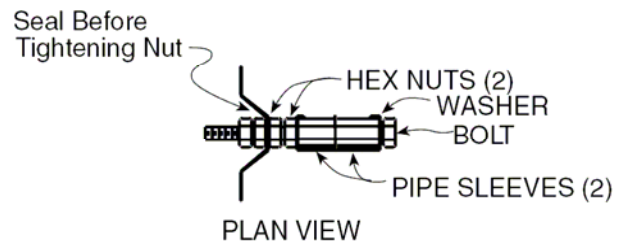
Detail 5: Install Canopy Support Rods



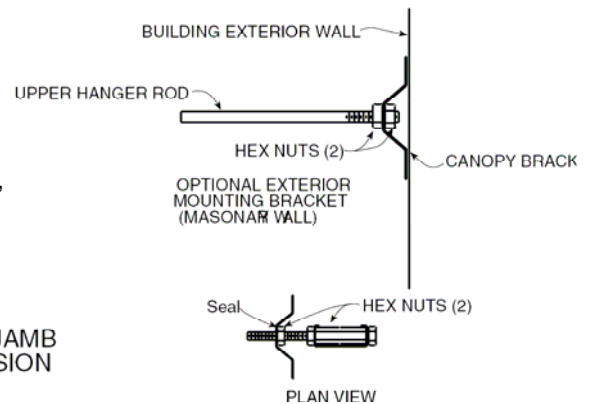
Detail 6: Case 2



Detail 2: Install Hanger Rods 404



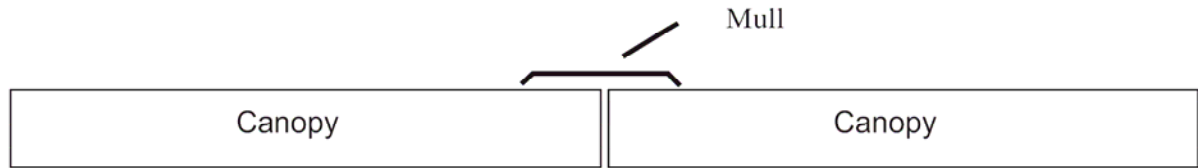
Detail 3: Install Lower Support Bolts 405



Detail 4: Install Lower Support Bolts 405

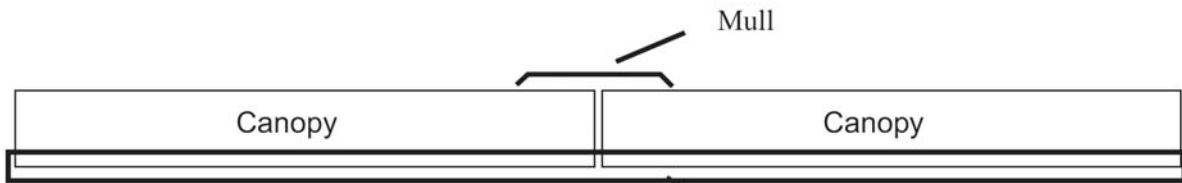
Section 9.04 Mull Instructions for Oversize Canopies

Mulling Two or More EASI-MOUNT Canopies



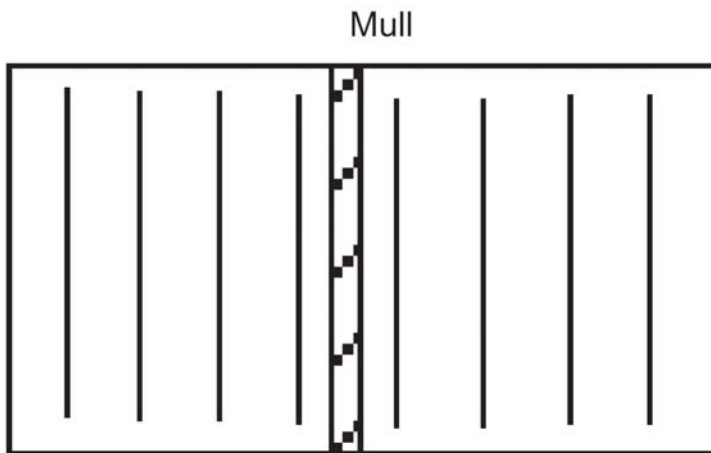
FRONT VIEW

Place Mull over the gap between the canopies & attach with screws

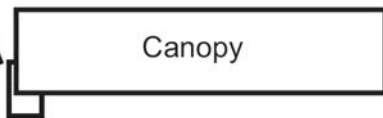


REAR VIEW

Place Gutter across back of Canopies & Attach with screws



TOP VIEW



SIDE VIEW

All other installation instructions the same as standard canopy