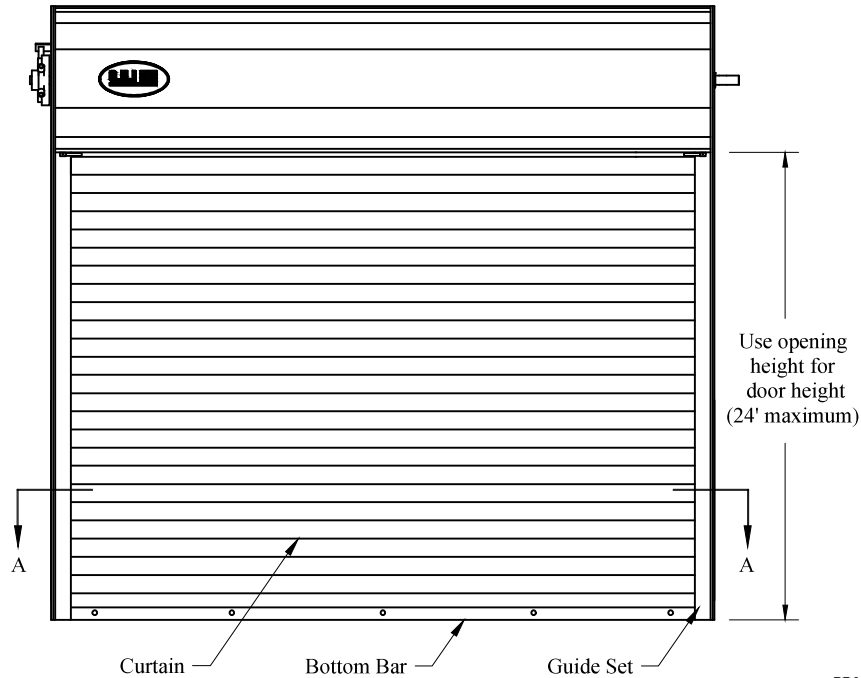
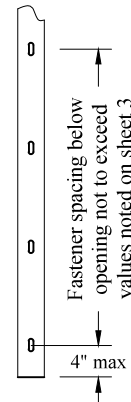




Door Elevation
Guides and Hood visible

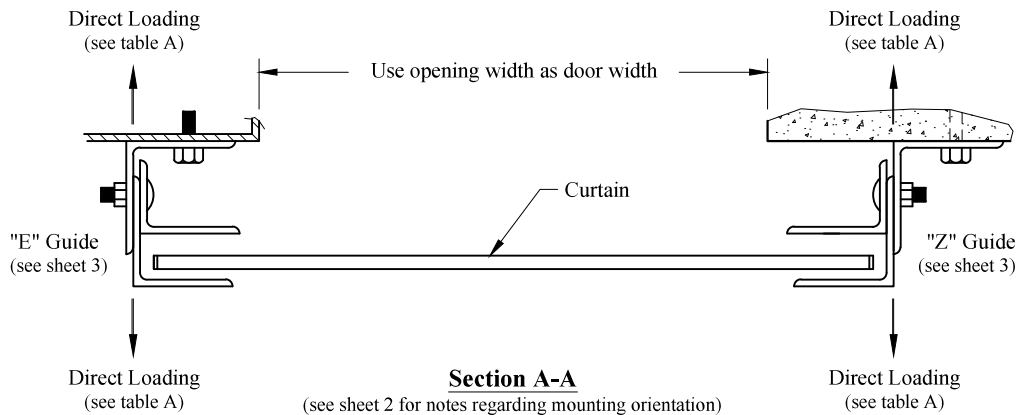


Wall Angle to Jamb Attachment

Table A: Direct Loading

(pounds per foot of door height per jamb)
Direct loading forces occur in both (+) and (-) directions.
Lower PSF exposures will generate lower values.

door width	max pos psf (+)	direct loading	max neg psf (-)	direct loading
8'-04"	34.7	155	43.1	190

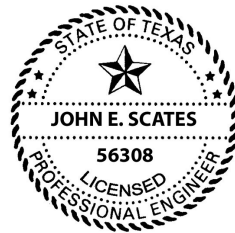


Section A-A

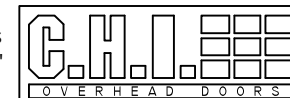
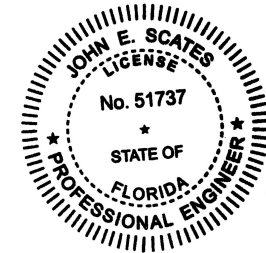
Digitally signed by John E Scates
Date: 2026.08.17 20:12:31 -05'00'

Professional Engineer's seal
provided only for verification of
windload construction details

Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies



John E. Scates
PO Box 5175
Frisco, TX 75035
FL PE 51737
TX PE 56308 / F-2203



DATE 12-17-2021

Sheet 1 of 3

Rolling Steel Doors
Models: 6181, 6201, 6221, & 6266

Tested Width
8'-04"

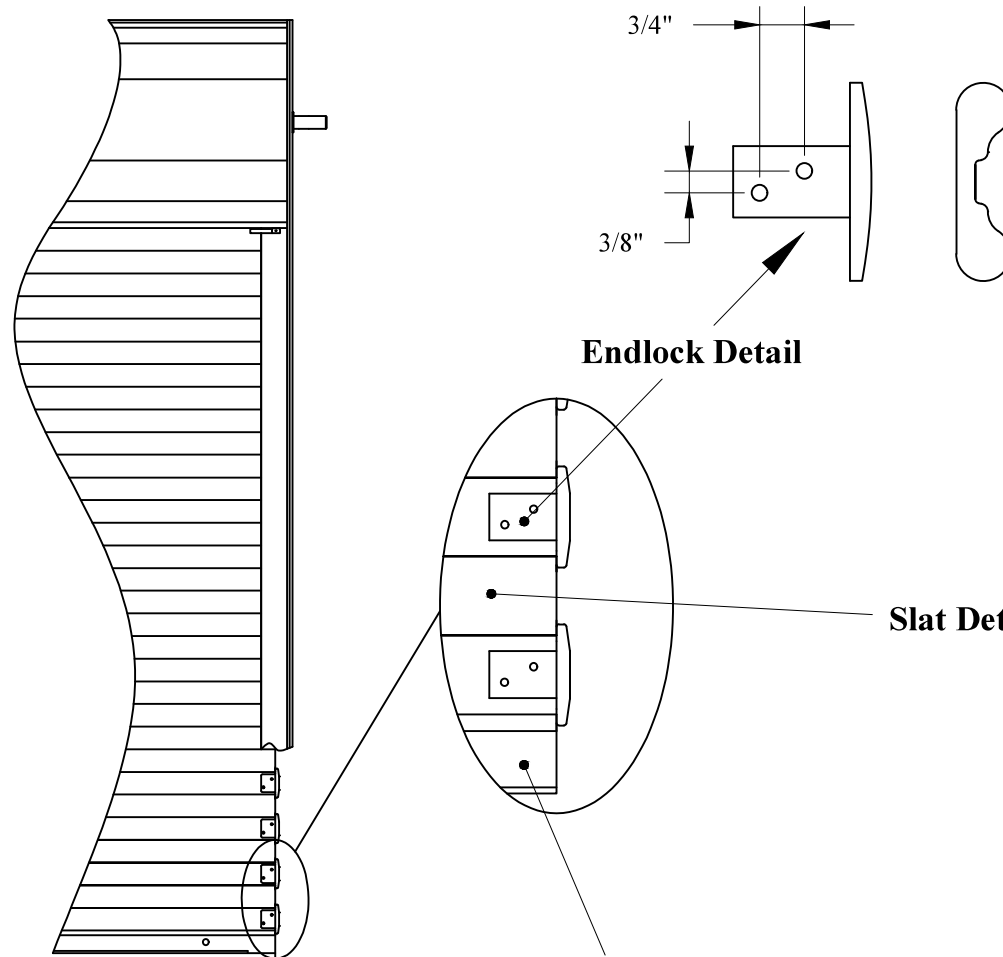
Tested Pressures (PSF)
+34.7 / -43.1

Drawing
Z7-8-90007

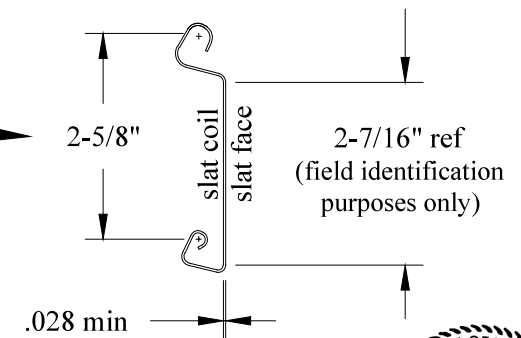
This door Complies with current FBC (See Eval Report)
This door complies with IBC/IRC 2018/2021/2024 (Texas)
Tested per ANSI/DASMA 108
This door has not been tested for windborne debris

Interior / Exterior Mounted Doors

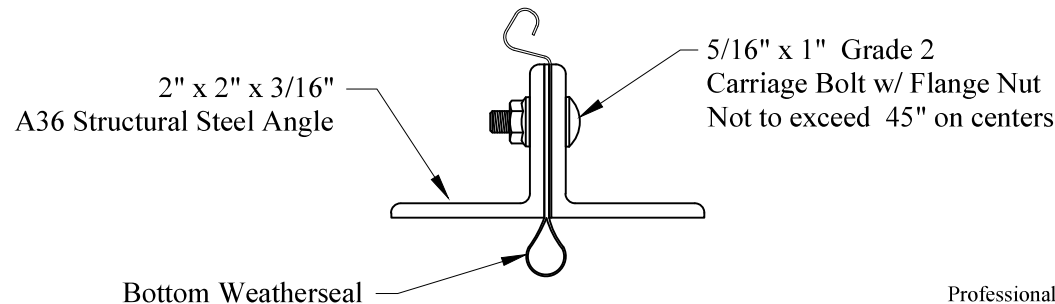
- Tested doors were installed with the slat face exposed to the listed positive (+) pressure values and the slat coil exposed to the listed negative (-) pressure values, typical for this type of door when mounted on the interior of an exterior wall. See detail below for slat terms.
- When this type of door is mounted on the exterior of an exterior wall, the slat coil is exposed to positive (+) pressure, the slat face exposed to negative (-) pressure. Pressures shown on the drawing need to be reversed, i.e. tested negative (-) pressure values are to be used for positive (+) pressure requirements, tested positive (+) pressure values are to be used for negative (-) pressure requirements.



Slat Detail

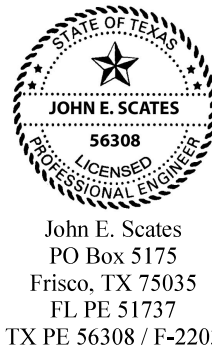
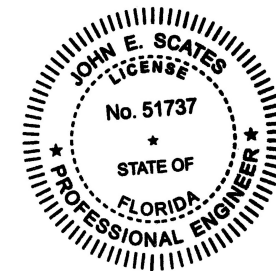


Bottom Bar Detail

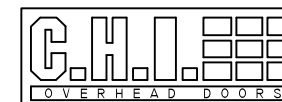


Door Elevation

Guide partially removed to reveal curtain details
see page 1 for full elevation



John E. Scates
PO Box 5175
Frisco, TX 75035
FL PE 51737
TX PE 56308 / F-2203



DATE 12-17-2021

Sheet 2 of 3

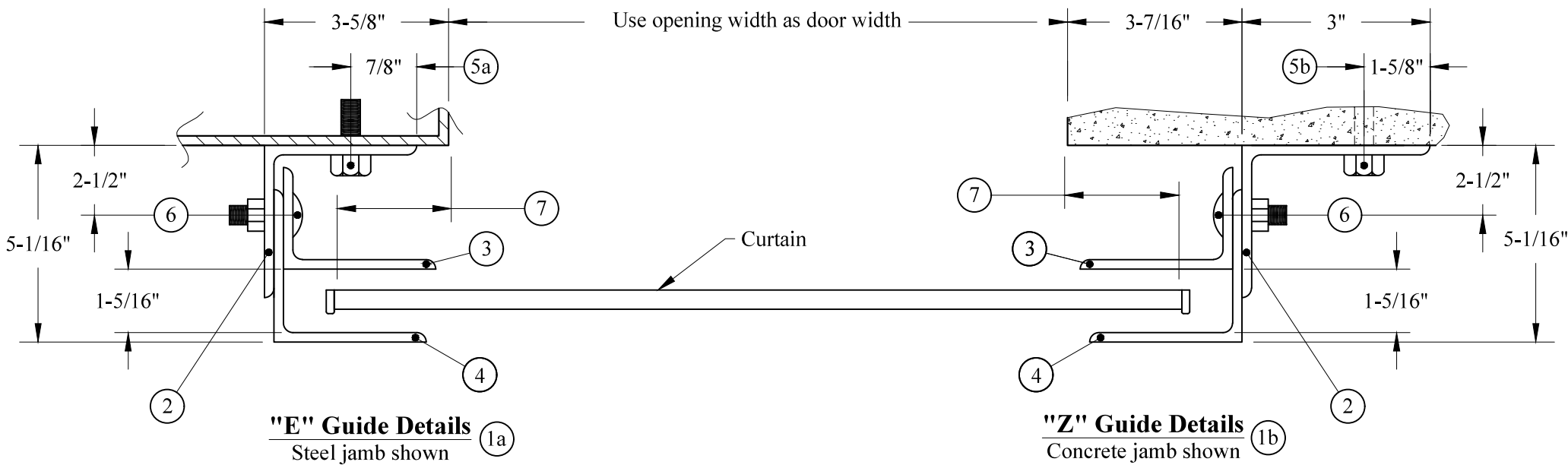
Rolling Steel Doors
Models: 6181, 6201, 6221, & 6266

Tested Width
8'-04"

Tested Pressures (PSF)
+34.7 / -43.1

Drawing
Z7-8-90007

Professional Engineer's seal
provided only for verification of
windload construction details



1.) Jambs (by others) must be designed to withstand the direct loading forces shown on sheet 1, table A

1a: 3/16" min thickness A500 structural steel

or

1b: 2500 psi min concrete or

or

1b: 2000 psi min filled CMU

2.) Wall Angle

3" x 3" x 3/16" A36 structural steel

3.) Back Angle

2" x 3" x 3/16" A36 structural steel

4.) Face Angle

3" x 3" x 3/16" A36 structural steel

5a.) Wall Angle to Jamb Attachment

5a: Steel Jamb: Bolted

3/8"-16 x 1" ASME B18.6.3 self-tapping bolt, 48" max spacing

or

5a: Steel Jamb: Welded

3/16" fillet weld, E60 electrode, full slot perimeter, 48" max spacing

5b.) Wall Angle to Jamb Attachment

5b: Concrete Jamb: Bolted

Simpson Strong-Tie Titen HD 3/8" x 4", 30" max spacing

or

5b: Filled CMU Jamb: Bolted

Hilti KWIK Bolt 3 Wedge Anchor 5/8" x 5", 4" embedment, 22" max spacing

or

Hilti KWIK BOLT 3 Wedge Anchor 3/8" x 3-3/4", 2-1/2" embedment, 14" max spacing

or

5b: Concrete or Filled CMU Jamb: Through Bolted with Crush Plates

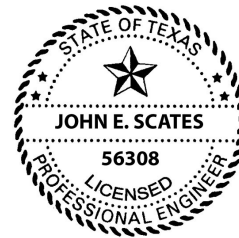
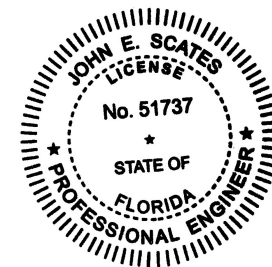
3/8"-16 bolt or rod (min 115,000 psi), nut, and 3/4" O.D. washers with 2-1/2" x 2-1/2" x 1/4" A36 steel or better crush plate 30" max spacing

6.) Guide to Guide Fasteners

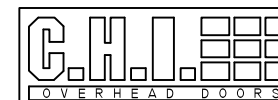
3/8"-16 x 1-1/4" grade 2 carriage bolt, serrated-flange locknut, not to exceed 24" on centers

7.) Slat Length

Slat overlaps opening 2-3/8"



John E. Scates
PO Box 5175
Frisco, TX 75035
FL PE 51737
TX PE 56308 / F-2203



DATE 12-17-2021

Sheet 3 of 3

Rolling Steel Doors

Models: 6181, 6201, 6221, & 6266

Tested Width
8'-04"

Tested Pressures (PSF)
+34.7 / -43.1

Drawing
Z7-8-90007

Professional Engineer's seal
provided only for verification of
windload construction details