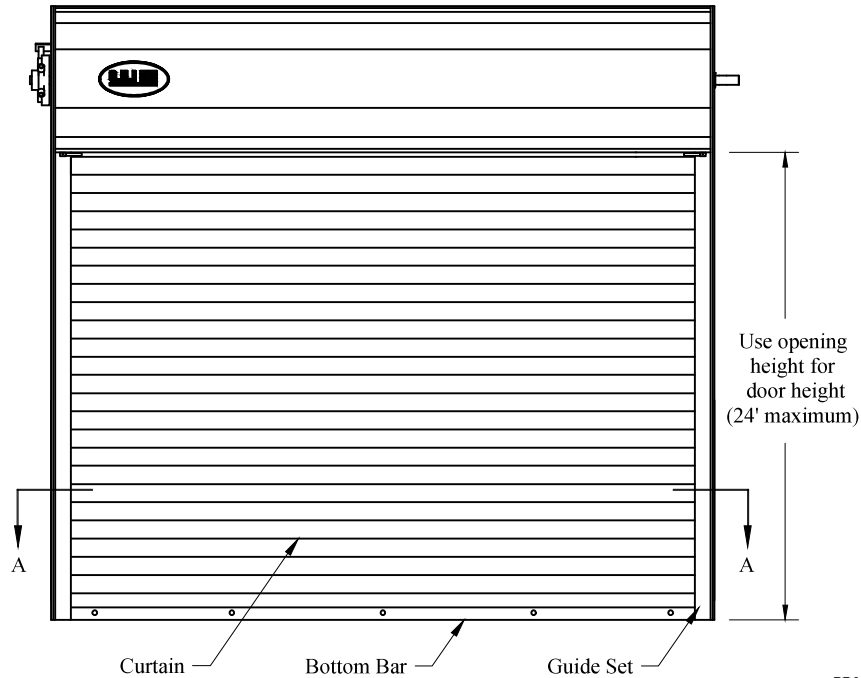
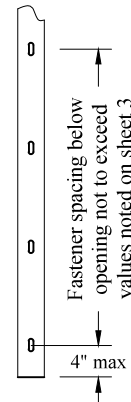




Door Elevation
Guides and Hood visible

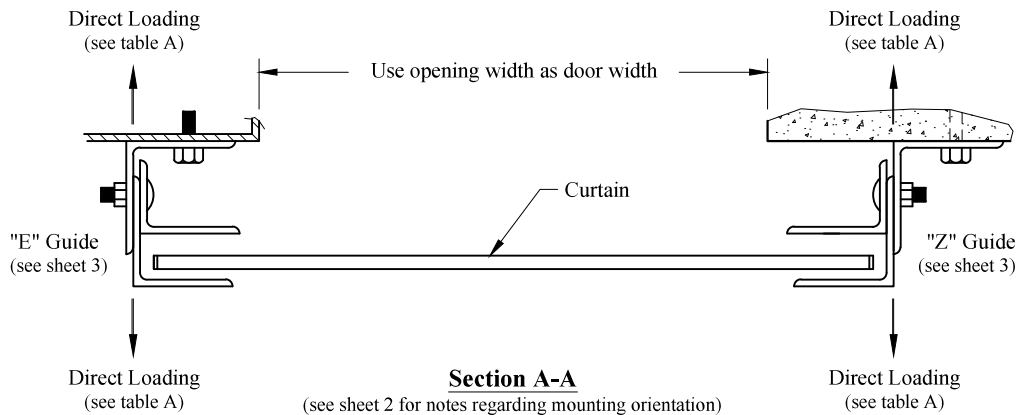


Wall Angle to Jamb Attachment

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"	20.0	90	24.3	110
9'-04"	20.0	100	24.3	120
10'-04"	20.0	110	24.3	135
11'-04"	20.0	120	24.3	145
12'-04"	20.0	130	24.3	160
13'-04"	20.0	140	24.3	170
14'-04"	20.0	150	24.3	180

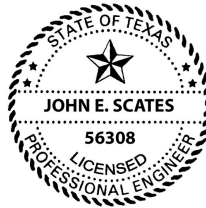


Section A-A

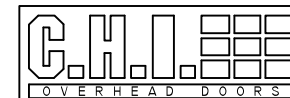
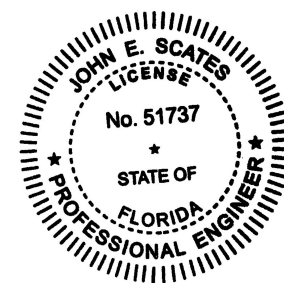
Digitally signed by John E Scates
Date: 2026.08.17 20:27:14 -05'00'

Professional Engineer's seal
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windload construction details

Printed copies of this document are not
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DATE 12-17-2021

Sheet 1 of 3

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

Evaluated Widths
up through 14'-04"

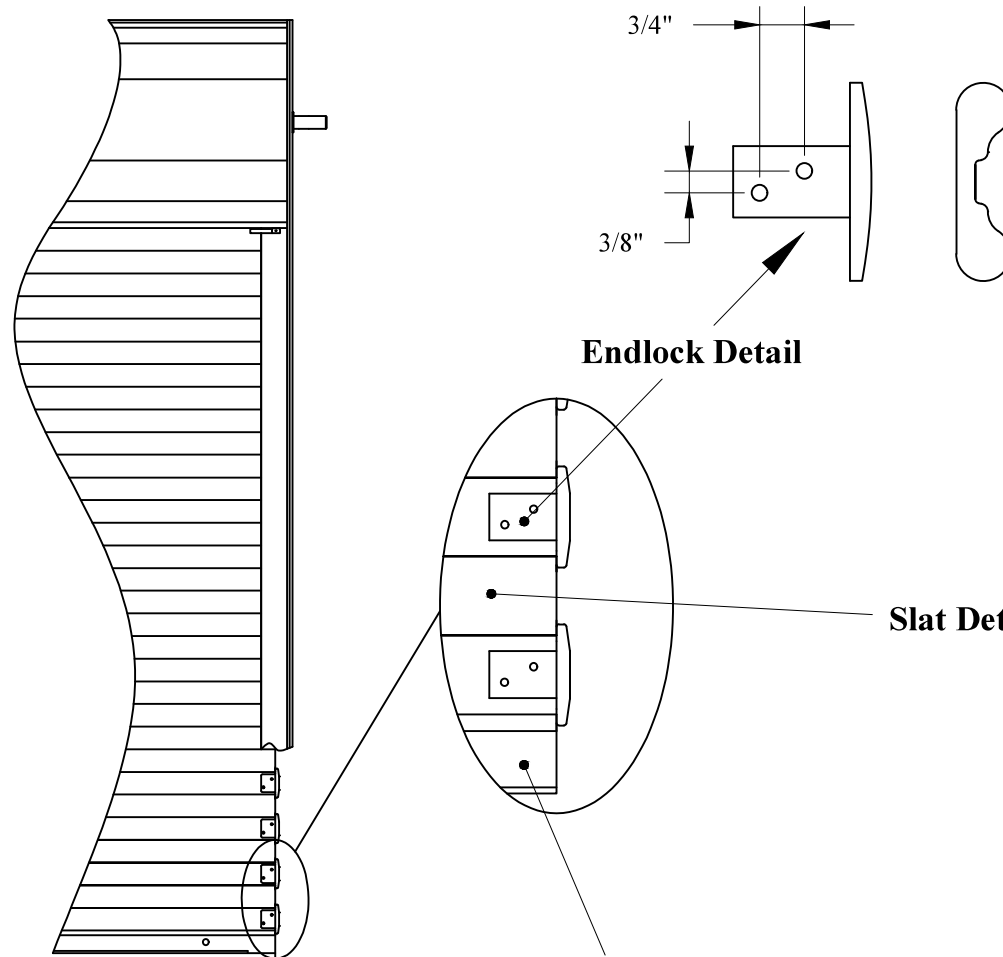
Evaluated Pressures (PSF)
+20.0 / -24.3

Drawing
Z4-14-90007

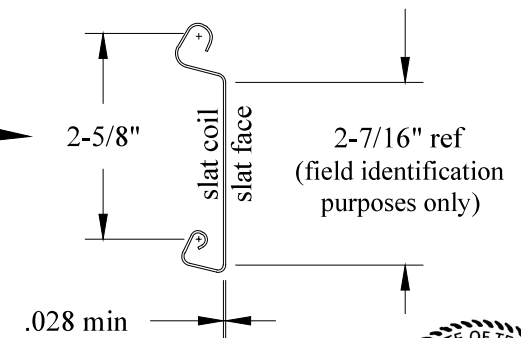
This door Complies with current FBC (See Eval Report)
This door complies with IBC/IRC 2018/2021/2024 (Texas)
Tested per ANSI/DASMA 108
This door has not been tested for windborne debris

Interior / Exterior Mounted Doors

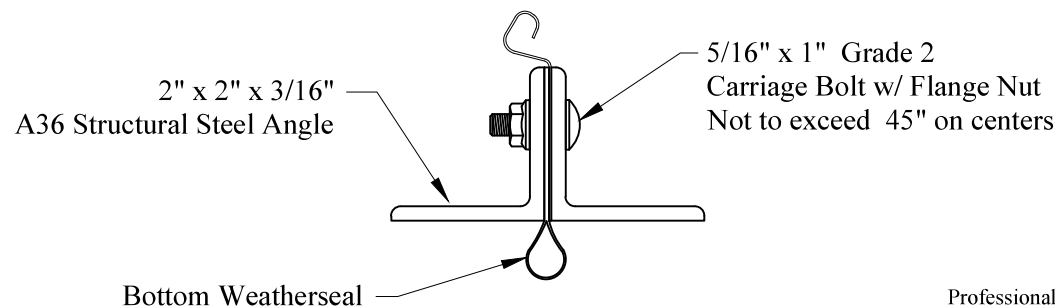
- Tested doors were installed with the slat face exposed to the listed positive (+) pressure values and the slat coil exposed to the listed negative (-) pressure values, typical for this type of door when mounted on the interior of an exterior wall. See detail below for slat terms.
- When this type of 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.



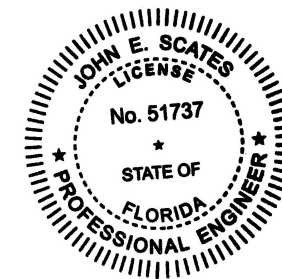
Slat Detail



Bottom Bar Detail



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



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DATE 12-17-2021

Sheet 2 of 3

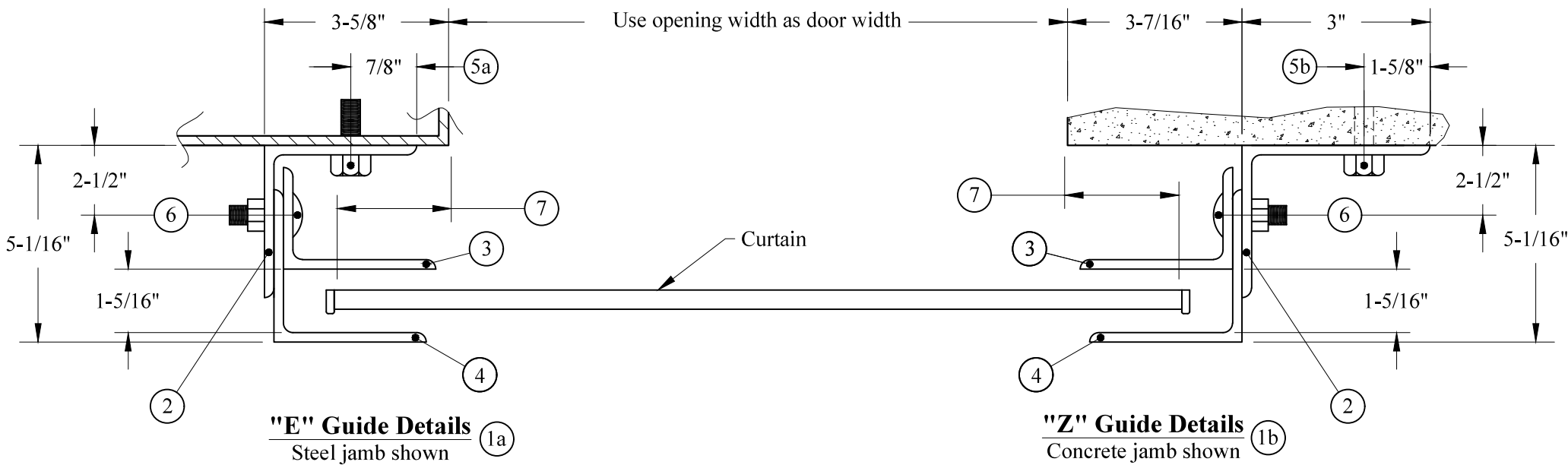
Rolling Steel Doors
Models: 6181, 6201, 6221, & 6266

Evaluated Widths
up through 14'-04"

Evaluated Pressures (PSF)
+20.0 / -24.3

Drawing
Z4-14-90007

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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

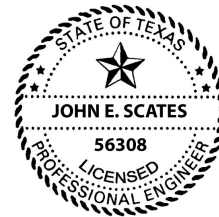
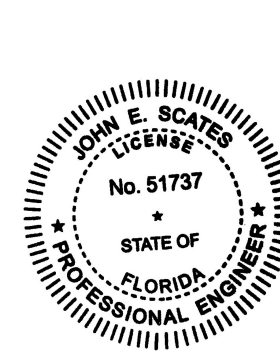
5b: Concrete or Filled CMU Jamb: Through Bolted with Crush Plates 3/8"-16 bolt or rod (min 115,000 psi), nut, and 3/4" O.D. washers with 2-1/2" x 2-1/2" x 1/4" A36 steel or better crush plate 30" max spacing

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"



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DATE 12-17-2021

Sheet 3 of 3

Rolling Steel Doors

Models: 6181, 6201, 6221, & 6266

Evaluated Widths
up through 14'-04"

Evaluated Pressures (PSF)
+20.0 / -24.3

Drawing
Z4-14-90007

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