



# Supplemental Instructions

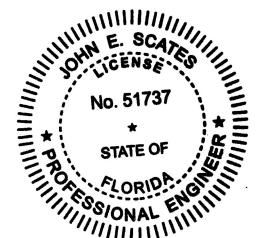
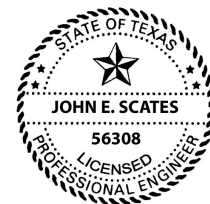
## Rib Doors: Commercial

|                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>CAUTION</b>   | <p><b>Higher wind pressures and larger doors require additional reinforcement.</b></p> <p><b>Premature failure of door system may result from improper application.</b></p> <p><b>See chart in lower left corner of drawing sheet one for the approved wind pressures and door sizes.</b></p>                                                                                              |
|  <b>WARNING</b> | <p><b>These supplemental instructions do not contain basic door installation steps and related safety information.</b></p> <p><b>Failure to follow basic installation steps and related safety information may result in injury or death.</b></p> <p><b>Door installers must follow a primary instruction manual for basic door installation steps and related safety information.</b></p> |

The correct selection of door and framing materials in adherence with local building code directives is the responsibility of the building owner/designer. Use of a reinforced garage door does not constitute automatic compliance with any building code. Local building code officials determine compliance criteria.

A locking system must be installed if the door is not electrically operated.

See drawing for stop molding requirements, when door is not more than 1" wider than opening. When using stop molding, secure molding with minimum 8d nails or 2-1/2" long screws.



Digitally signed by John E Scates  
Date: 2026.08.15 12:25:36 -05'00'

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

# For Use With Drawing Number

Z3-20-61317

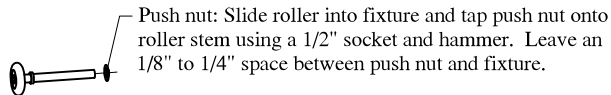
## Strut Placement

| Section Number | Door Height                    |                                |                                |                                |                                |                                |                                |                                |                                |
|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                | 6'-0" to 8'-0"                 | 8'-3" to 10'-0"                | 10'-3" to 12'-0"               | 12'-3" to 14'-0"               | 14'-3" to 16'-0"               | 16'-3" to 18'-0"               | 18'-3" to 20'-0"               | 20'-3" to 22'-0"               | 22'-3" to 24'-0"               |
| 12             | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | 1 at Detail A<br>1 at Detail B |
| 11             | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 10             | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 9              | N/A                            | N/A                            | N/A                            | N/A                            | N/A                            | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 8              | N/A                            | N/A                            | N/A                            | N/A                            | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 7              | N/A                            | N/A                            | N/A                            | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 6              | N/A                            | N/A                            | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 5              | N/A                            | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 4              | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B | 1 at Detail A<br>1 at Detail B |
| 3              | 1 at Detail B                  | 1 at Detail B                  | 1 at Detail B                  | 1 at Detail B                  | 1 at Detail B                  | 1 at Detail B                  | 1 at Detail B                  | 1 at Detail B                  | 1 at Detail B                  |
| 2              | 1 at Detail C                  | 1 at Detail C                  | 1 at Detail C                  | 1 at Detail C                  | 1 at Detail C                  | 1 at Detail C                  | 1 at Detail C                  | 1 at Detail C                  | 1 at Detail C                  |
| 1              | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A | 1 at Detail C<br>1 at Detail A |

## Push Nut Detail (use on all rollers)

use 3/8" I. D. on bottom fixture roller stem

use 7/16" I. D. on end hinge and top fixture roller stems

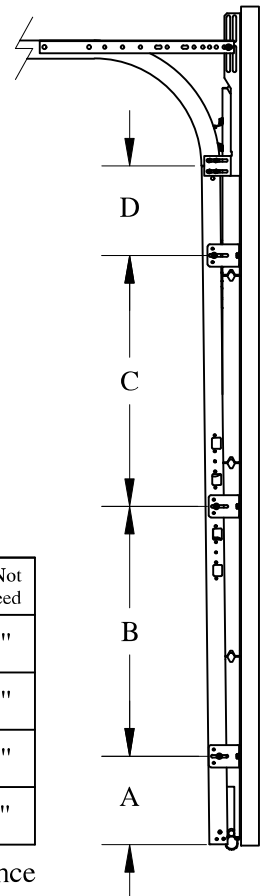


## Track Bracket Spacing

Track bracket spacing shown for doors up to four sections high. Additional door sections may be added for maximum door height depicted on line drawing. Track brackets must be added (per track) for each section and spaced at a distance not greater than the corresponding section height (see line drawing for required quantities).

|   | Do Not Exceed |
|---|---------------|
| D | 30"           |
| C | 24"           |
| B | 24"           |
| A | 10"           |

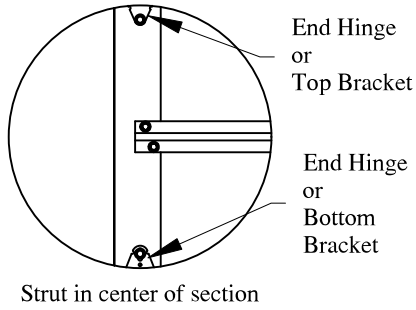
+/-3" tolerance



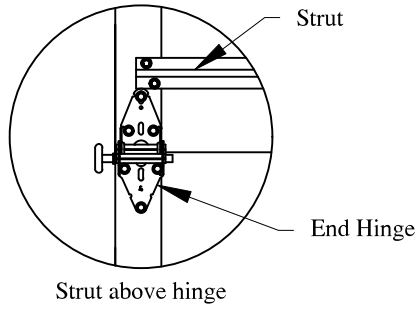
# For Use With Drawing Number

Z3-20-61317

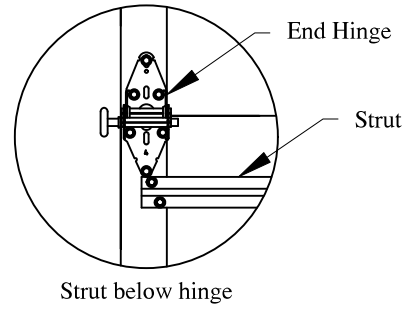
## Strut Placement Detail



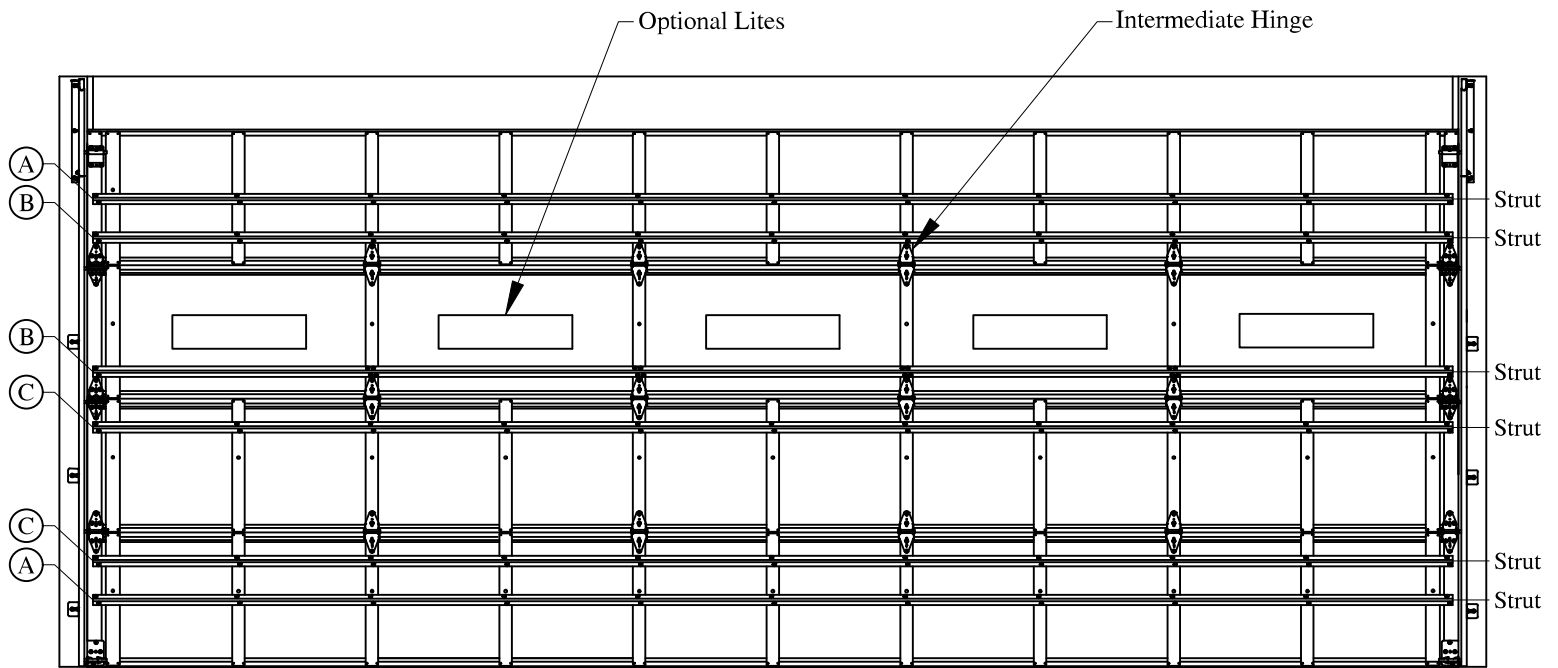
Detail A



Detail B



Detail C



4

3

2

1

Glazing Options: max daylight opening 31-3/8" x 13-1/2"  
up to +64.9 / -73.2 PSF  
1/8" DSB or Polycarbonate  
1/4" Tempered Glass  
7/16" Insulated Glass w/opt for Tempered

Aluminum Section Glazing Options: max daylight opening 49-1/8" x 19"  
Single Pane (max +20.8 PSF)  
1/8" DSB  
1/8" Polycarbonate  
1/4" Tempered Glass  
Double Pane (max +45.6 PSF)  
7/16" Insulated Glass  
7/16" Tempered Insulated Glass

20'-2" width shown  
(see notes for other widths)

maximum opening size is door width less 2"

Optional Windows  
(see Glazing Options)

4D  
2  
Top Fixture

4D  
2  
End Stile

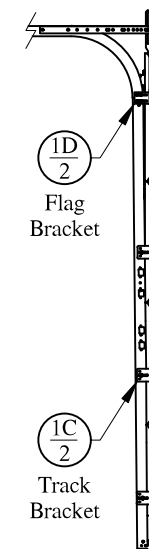
3B  
2  
End Hinge

8'

4A  
2  
Bottom Fixture

2B  
2  
Intermediate Hinge

2A  
2  
Strut



| Door Height      | Section Quantity | Strut Quantity | Trk Brkt Per Side |
|------------------|------------------|----------------|-------------------|
| 6'-0" to 8'-0"   | 4                | 6              | 3                 |
| 8'-3" to 10'-0"  | 5                | 8              | 4                 |
| 10'-3" to 12'-0" | 6                | 10             | 5                 |
| 12'-3" to 14'-0" | 7                | 12             | 6                 |
| 14'-3" to 16'-0" | 8                | 14             | 8                 |
| 16'-3" to 18'-0" | 9                | 16             | 9                 |
| 18'-3" to 20'-0" | 10               | 18             | 10                |
| 20'-3" to 22'-0" | 11               | 20             | 12                |
| 22'-3" to 24'-0" | 12               | 22             | 13                |

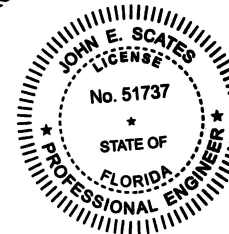
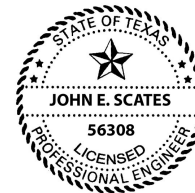
Track bracket quantities shown are for use with grade 2 or better Southern Yellow Pine. Refer to Jamb Attachment Detail supplemental instructions for usage of alternate jamb materials.

Supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing. If door is not electrically operated, a lock must be installed.

| Width   | Design Pressure (PSF) | Stile Qty.* |
|---------|-----------------------|-------------|
| 22'-02" | +14.4 / -18.9         | 5 / 9       |
| 20'-02" | +17.4 / -22.8         | 4 / 9       |
| 18'-02" | +21.5 / -28.1         | 4 / 7       |
| 16'-05" | +23.8 / -33.1         | 3 / 5       |
| 16'-02" | +24.2 / -31.6         | 3 / 5       |
| 14'-02" | +27.6 / -36.0         | 3 / 5       |

\*window/solid

Complies with current FBC (See Eval Report)  
Complies with IBC/IRC 2018/2021/2024 (Texas)  
Tested per ANSI/DASMA 108  
Maximum door height: 24'-00"  
Glazing and door have not been tested for windborne debris.



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

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|                                        |       |            |
|----------------------------------------|-------|------------|
| C.H.I. 333                             | SCALE | nts        |
| OVERHEAD DOOR                          | DATE  | 09-18-2020 |
| Model Series:<br>Rib Doors, Commercial |       |            |
| C.H.I. Drawing: Z3-20-61317            |       |            |
| page 4 of 5                            |       |            |

4

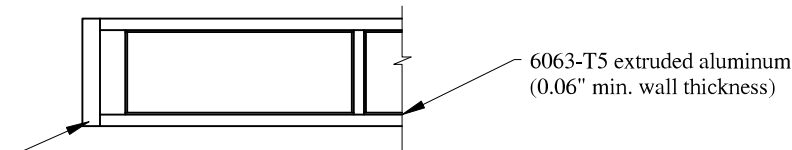
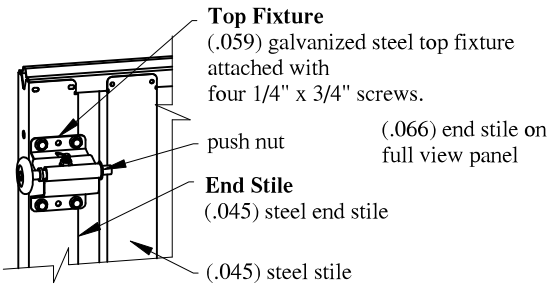
3

2

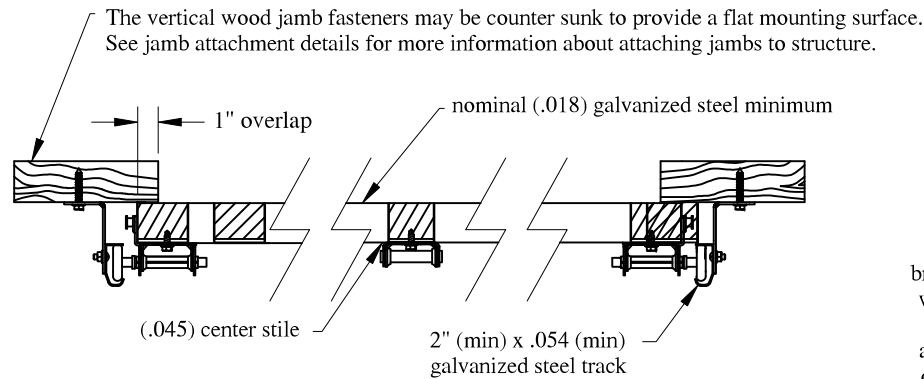
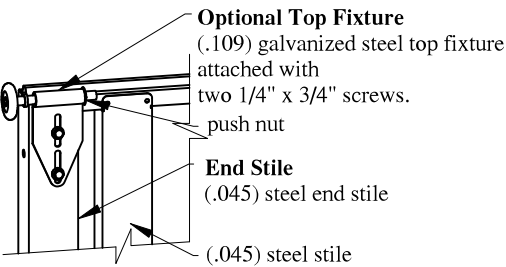
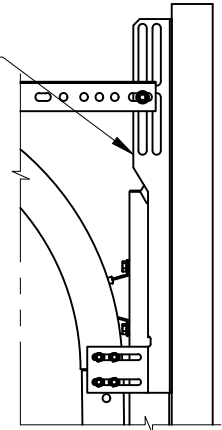
1

Details on some views may have been omitted for clarity.

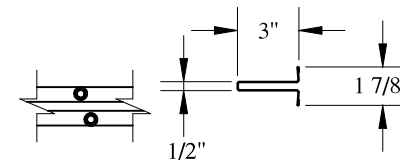
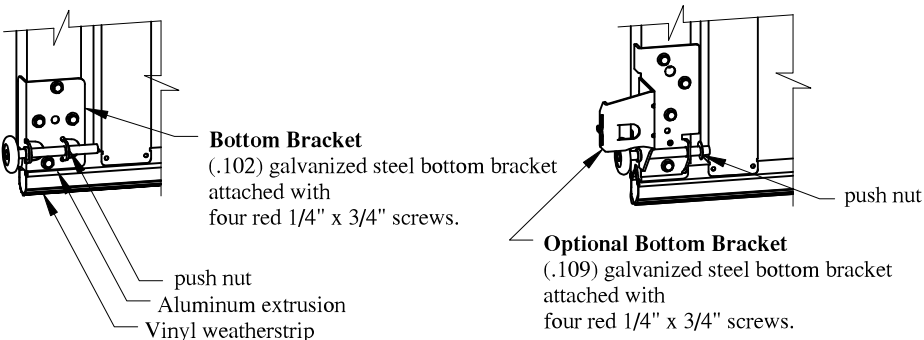
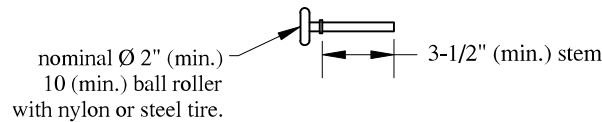
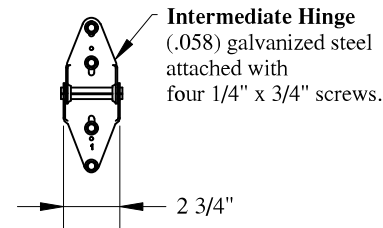
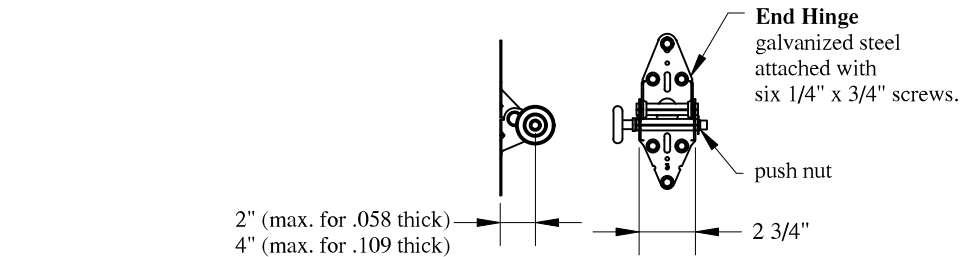
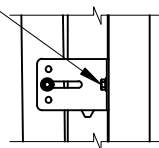
### Aluminum Section Detail



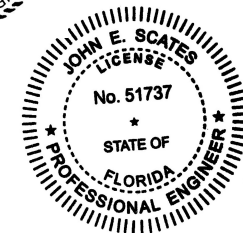
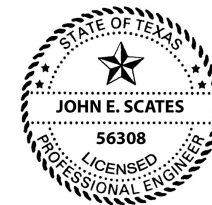
**Flag Bracket**  
(.086) galvanized steel flag bracket attached to wood jamb with three 5/16" x 1-5/8" wood lag screws, to horizontal track with two 1/4" x 5/8" track bolts and nuts and to vertical track with two 1/4" x 5/8" track bolts and nuts.



**Track Bracket**  
(.102) galvanized steel track bracket attached to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket and attached to vertical track with one 1/4" x 5/8" track bolt and nut or two 1/4" x 11/32" rivets.



**Strut and Strut Attachment**  
(.051) 50 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile.



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

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TX PE 56308 / F-2203

|                                        |       |            |
|----------------------------------------|-------|------------|
| C.H.I. 333<br>DRAWING                  | SCALE | nts        |
|                                        | DATE  | 09-18-2020 |
| Model Series:<br>Rib Doors, Commercial |       |            |
| C.H.I. Drawing: Z3-20-61317            |       |            |
| page 5 of 5                            |       |            |