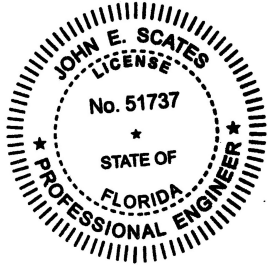
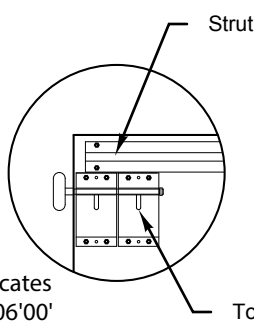
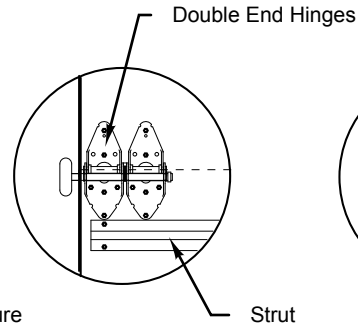


Ranch House Doors®**Windload**
24-1218C-16x8-REV 1**Strut placement for 24-1218C-16x8-REV 1**Digitally signed by John E Scates
Date: 2025.02.12 21:38:02 -06'00'JOHN E. SCATES, P.E.
8811 TEEL PKWY #100-5175
FRISCO, TX 75036
FLPE 51737
TXPE 56308 / F2203

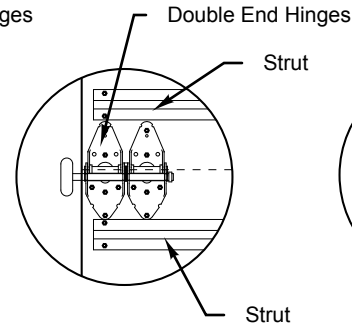
Top Fixture

Strut above top fixture

Detail A

Strut

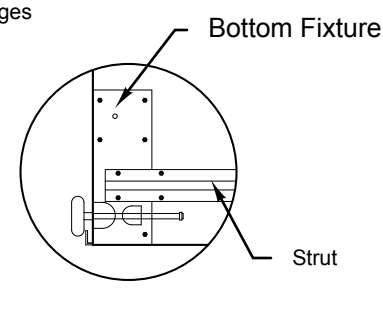
Strut on bottom half of hinge

Detail B

Strut

Strut

Strut on top and bottom of hinge

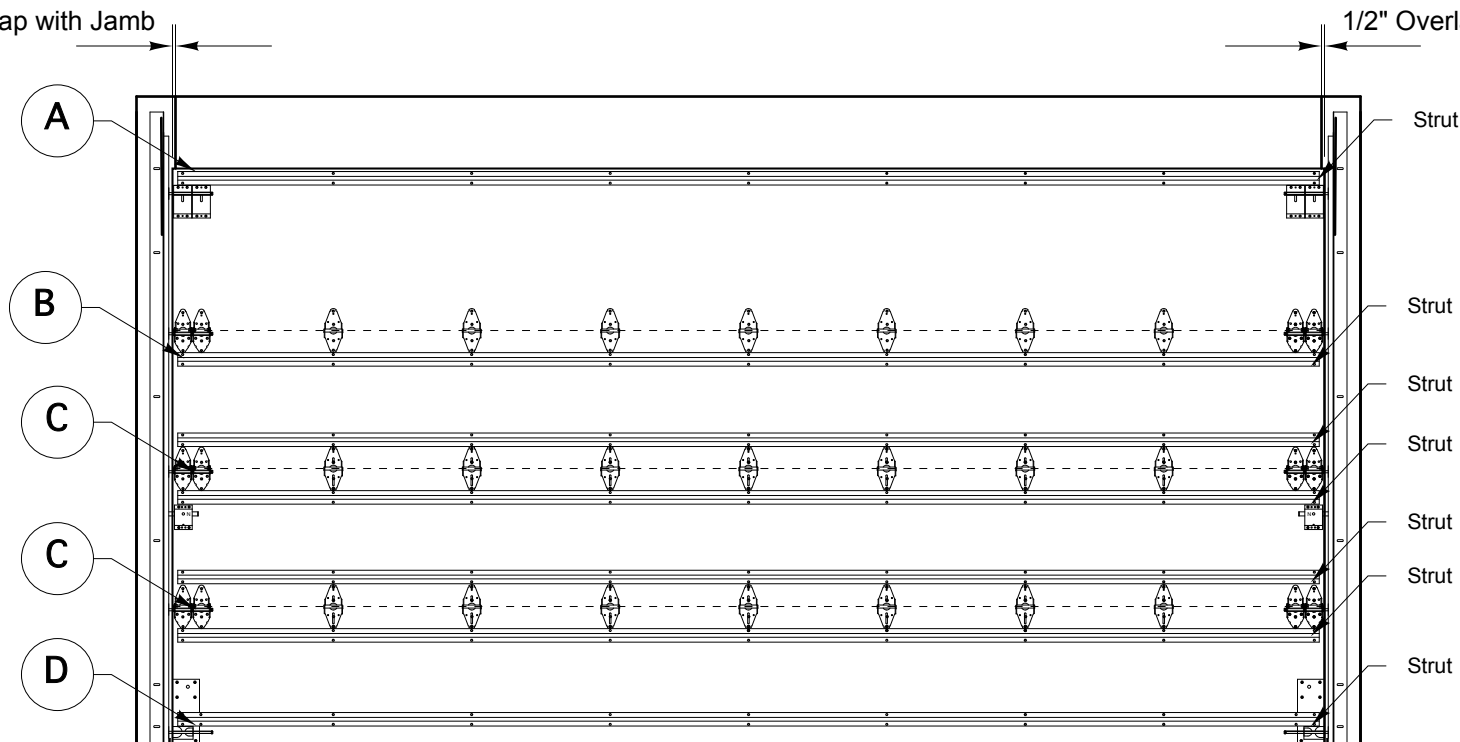
Detail C

Strut

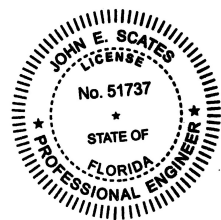
Strut on bottom fixture

Detail D

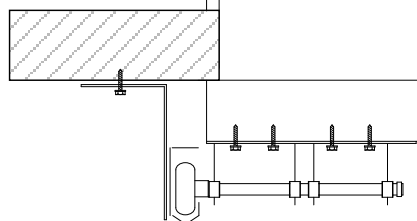
1/2" Overlap with Jamb



1/2" Overlap with Jamb

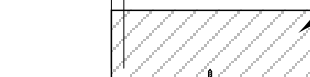


1/2" Overlap with Jamb



1/2" Overlap with Jamb

Southern Pine



14

12Q

1/2" Overlap with Jamb

13

6Q

11

1/2" Overlap with Jamb

17

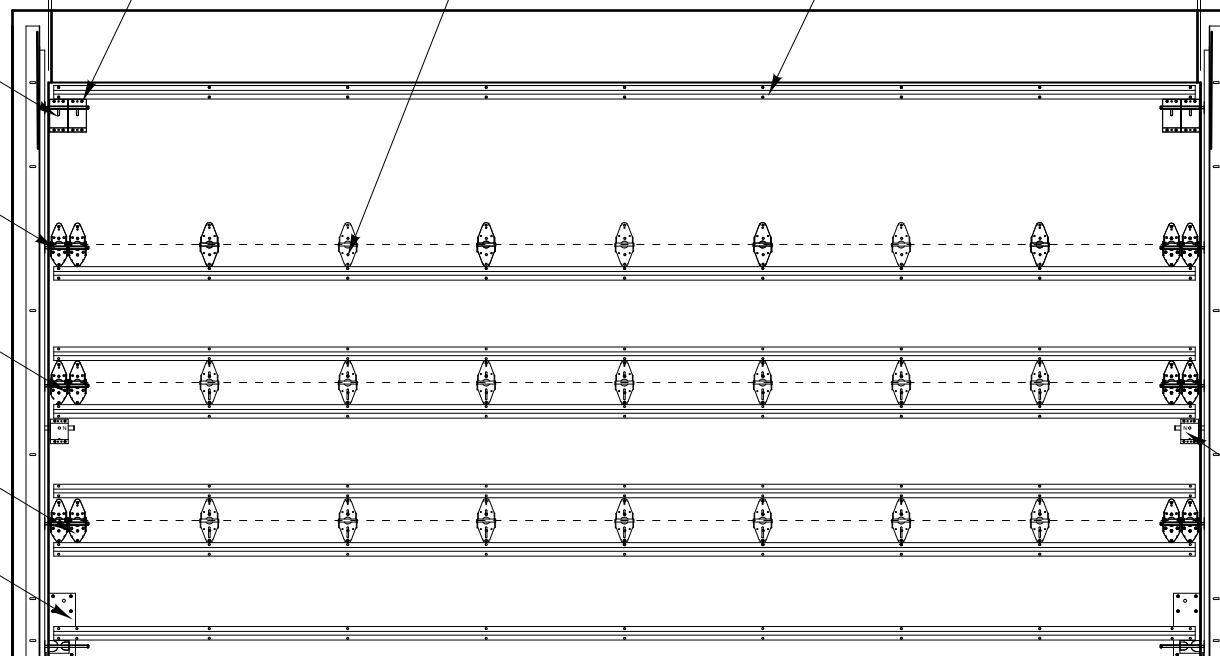
1Q

3Q

4Q

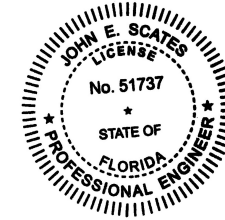
5Q

9Q



15

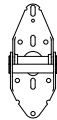
16



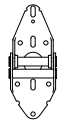
**** NOT TO SCALE ****



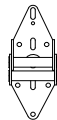
(1Q) QuietTop Fixture



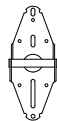
(3Q) #4 Quiet Hinge 11 ga - Double up



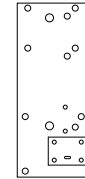
(4Q) #3 Quiet Hinge 11 ga - Double up



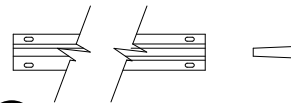
(5Q) #2 Quiet Hinge 11 ga - Double up



(6Q) #1 Quiet Hinge 11 ga



(9Q) Quiet BB-6 Notched Offset Double Door-10ga



(11) 3" Strut-16ga
Must drill hole thru strut to
attache 1/4"x1-1/8" wood lag



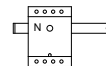
(12Q) 2" Long Stem Rollers w/ Nuts



(13) 1/4" x 1-1/8" Wood Lag



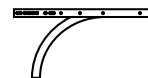
(14) 5/16" x 1-5/8" Wood Lag



(15) Lock

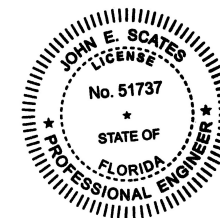


(16) Verticals-2" Clip Style Angle w/ Brackets
105"-88"-.075 Track



(17) Horizontals
2" 112 Angle 12ga,
.083 Track, 9'6"

24-1218C-16x8
Test CCL-007



1. The product has been tested to ANSI/DASMA 108.
2. Design Pressure **+29.5 / -32.8** psf (ASD) at 16-ft wide.
3. Base door construction: 1-3/4" thickness flush using 1-3/32" internal thick rails. Additional decorative components up to 1-1/2" thick may be added to the exterior of the base door as desired.
4. Door sections may be up to 28-inches tall.
5. Hardware attachment:
 - a. All fasteners to attach hardware to the interior of the door are 1/4" x 1-1/8" long lag screws, Item13.
 - b. Standard Lift Top fixtures attached with (4) screws.
 - c. Low Headroom is not available.
 - d. End Hinges attached with (6) screws each.
 - e. Center Hinges attached with (4) screws each.
 - f. Bottom Fixtures attached with (4) screw minimum.
 - g. Struts attached with (2) screws at each stile (18 screws total at 16-ft wide). The bottom strut overlaps the bottom fixture, and is secured with (2) screws through the B.F, and additional (2) screw into the adjacent wood.
6. "Quiet" hardware **must** be used in lieu of standard hardware.
7. "Quiet" Rollers require a nut on the end of their stems.
8. Standard track is commercial Angle-Out mount.
 - a. Vertical Track-to-Angle mounting uses (4) spanner clips including the Joint.
 - b. Angle is secured to Southern Pine jambs with (3) 5/16"x1-5/8" long lag screws located in-line with the spanner clips. An additional 5th lag screw is located approximately 3-inches up from the floor.
9. Bracket-mounted track may also be used, with (1) bracket at each of the (5) Lag screw locations.
10. The door is reinforced with (7) 3"x16ga struts located as shown. For doors over (4)-sections tall, added sections require (2) struts each, up to a maximum door height of 16-feet.
11. This door does not offer glazing.

	16	29.5	-32.8
Width	+psf	-psf	
20	18.9	-21.0	
18	23.3	-25.9	
16	29.5	-32.8	
14	33.7	-37.5	
12	39.3	-43.8	