



Supplemental Instructions

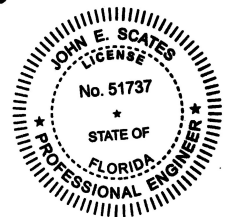
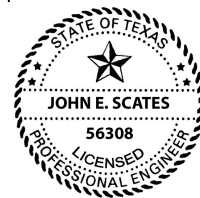
Overlay Carriage House Doors

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

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.



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

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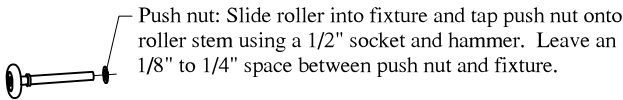
For Use With Drawing Number
Z9-18-04307

Strut Placement

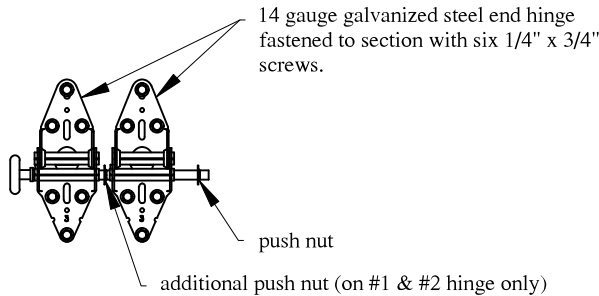
Section Number	Door Height						
	6'-0" to 8'-0"	8'-3" to 10'-0"	10'-3" to 12'-0"	12'-3" to 14'-0"	14'-3" to 16'-0"	16'-3" to 18'-0"	18'-3" to 20'-0"
10	N/A	N/A	N/A	N/A	N/A	N/A	1 at Detail A
9	N/A	N/A	N/A	N/A	N/A	1 at Detail A	1 at Detail A 1 at Detail B
8	N/A	N/A	N/A	N/A	1 at Detail A	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B
7	N/A	N/A	N/A	1 at Detail A	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B
6	N/A	N/A	1 at Detail A	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B
5	N/A	1 at Detail A	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B
4	1 at Detail A	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B
3	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B
2	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B	1 at Detail A 1 at Detail B
1	1 at Detail A	1 at Detail A	1 at Detail A	1 at Detail A	1 at Detail A	1 at Detail A	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



Additional Push Nut Detail

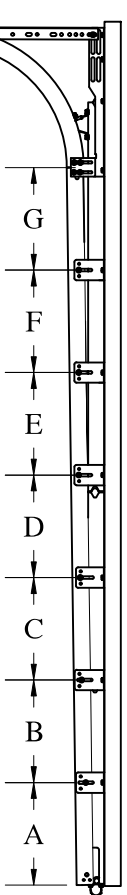


Track Bracket Spacing

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).

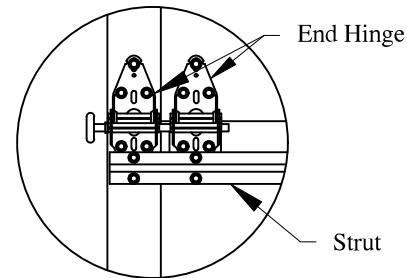
	Do Not Exceed
G	16"
F	14"
E	15"
D	9"
C	14-1/2"
B	9-1/2"
A	10"

+/- 3" tolerance



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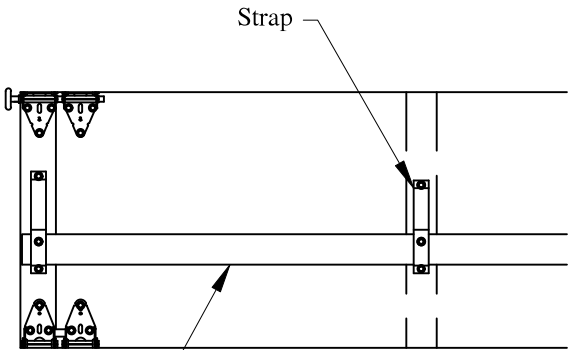
Strut Placement



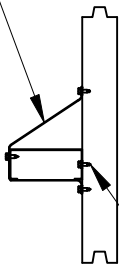
Strut on bottom half of hinge

Detail B

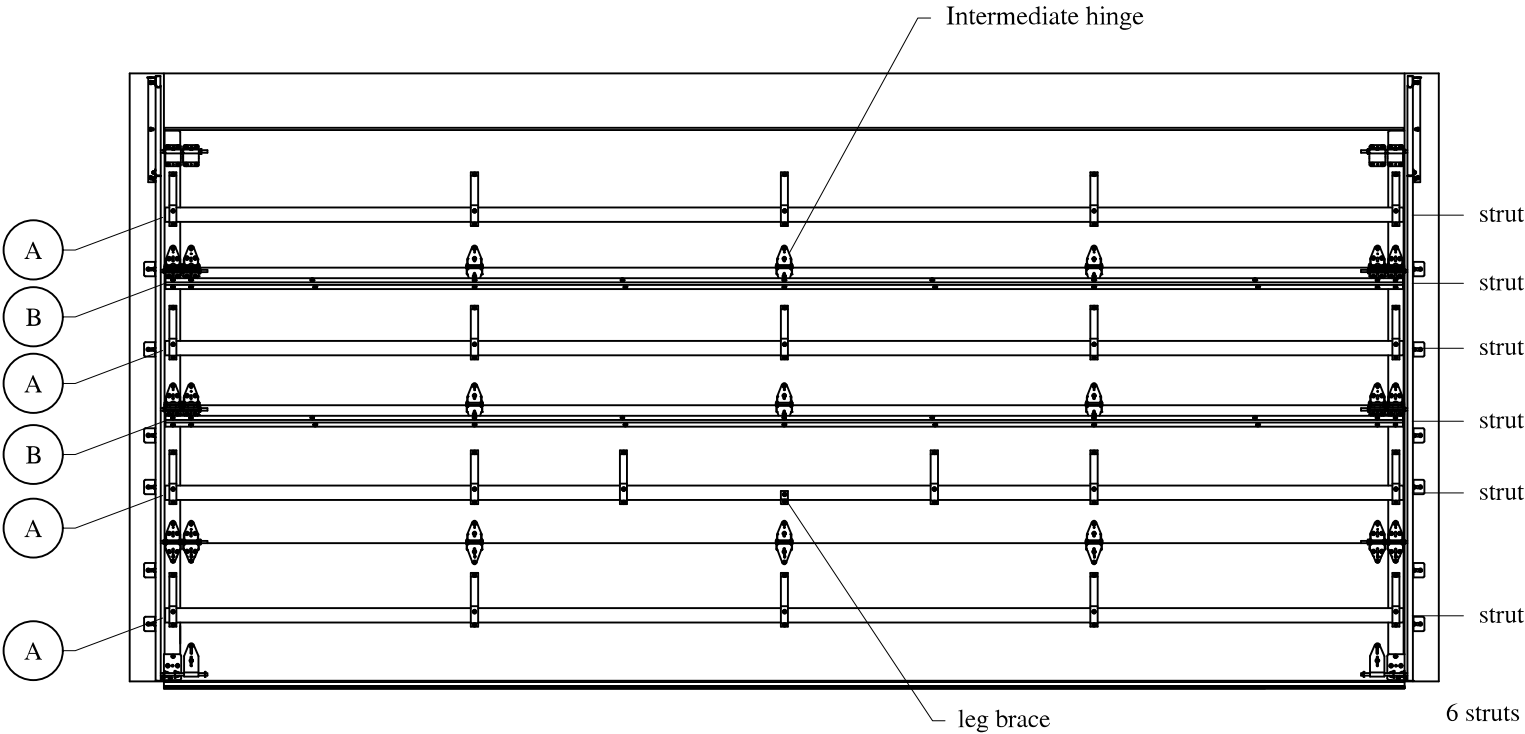
Strap attached to cee strut and section with three 1/4" x 3/4" screws.

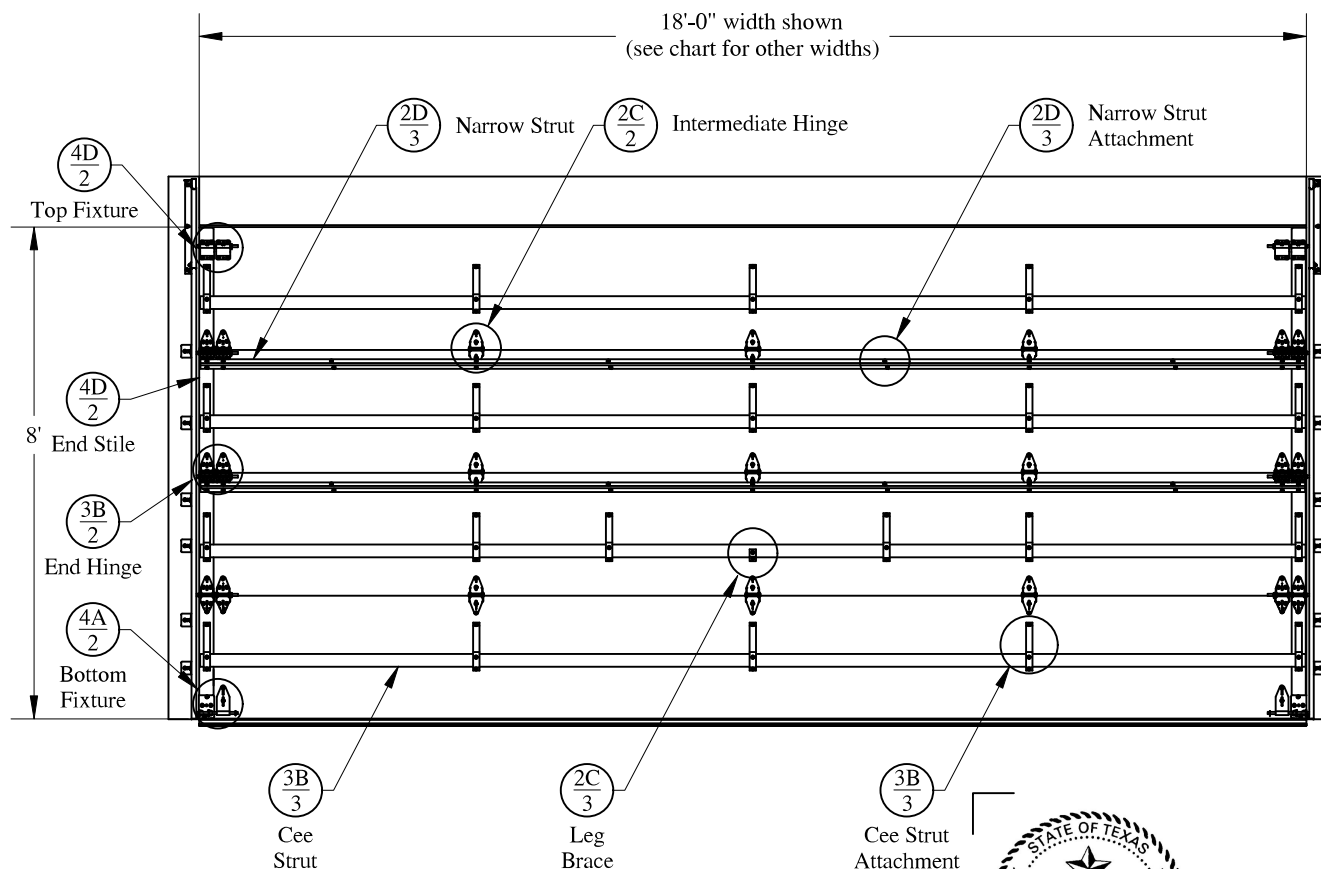


Detail A



Cee strut attached to section with one 1/4" x 3/4" screw per intermediate stile or backer plate. Use two 1/4" x 1" jambteks per end stile.





door height	section quantity	cee strut quantity	narrow strut quantity	trk brkt per side
6'-0" to 8'-0"	4	4	2	6
8'-3" to 10'-0"	5	5	3	8
10'-3" to 12'-0"	6	6	4	10
12'-3" to 14'-0"	7	7	5	12
14'-3" to 16'-0"	8	8	6	14
16'-3" to 18'-0"	9	9	7	16
18'-3" to 20'-0"	10	10	8	18

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.
20'-00"	+34.1 / -38.0	11
18'-00"	+42.1 / -46.9	7

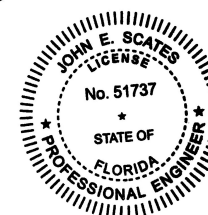
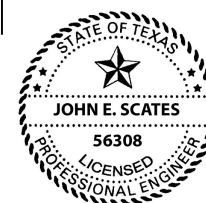
Complies with current FBC (See Eval Report)

Complies with IBC/IRC 2018/2021/2024 (Texas)

Tested per ANSI/DASMA 108

Maximum door height: 20'-00"

Glazing and door have not been tested for windborne debris.



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C.H.I. 333 OVERSEAS DOORS	SCALE	nts
	DATE	03-24-2022
Models Series: Overlay Carriage House		
C.H.I. Drawing: Z9-18-04307		
page 4 of 5		

Details on some views may have been omitted for clarity.

Top Fixture

(.070) galvanized steel top fixture attached with four 1/4" x 3/4" screws.

push nut

End Stile

(.066) steel end stile

Optional Top Fixture

(.109) galvanized steel top fixture attached with two 1/4" x 3/4" screws.

push nut

(.066) steel end stile

2" (max. for .069 thick)
4" (max. for .109 thick)

nominal Ø 2" (min.)
10 (min.) ball roller with steel tire.

Auxiliary Bottom Bracket

(.109) galvanized steel bracket attached with two 1/4" x 3/4" screws.
push nut

Optional Bottom Bracket

(.109) galvanized steel bottom bracket attached with four red 1/4" x 3/4" screws.

Auxiliary Bottom Bracket

(.109) galvanized steel bracket attached with two 1/4" x 3/4" screws.
push nut

Bottom Bracket

(.102) galvanized steel bracket attached with four red 1/4" x 3/4" screws.

Aluminum extrusion

Vinyl weatherstrip

The vertical wood jamb fasteners may be counter sunk to provide a flat mounting surface. See jamb attachment details for more information about attaching jambs to structure.

2" x 7/16" (nominal) stop molding to be attached with minimum 8d nail or 2-1/2" long screw on 5" spacing. Stop molding not required when door is more than 1" wider than opening.

nominal (.0155) galvanized steel minimum

(.023) backer plate at each stile location.

2" (min) x .080 (min) galvanized steel track

End Hinge

galvanized steel attached with six 1/4" x 3/4" screws.

push nut (additional push nut on #2 hinge only)

2 3/4"

Intermediate Hinge

(.058) galvanized steel attached with four 1/4" x 3/4" screws.

2 3/4"

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.

Leg Brace

One (.098) leg brace on #2 section on the center stile or backer plate and fastened with two 1/4" x 3/4" screws.

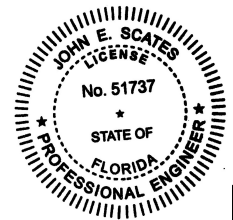
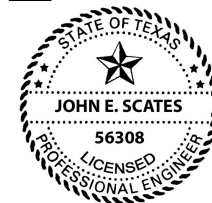
1 1/2"

Cee Strut and Strap Attachment

(.055) 50 ksi galvanized steel 6" Cee Strut attached with one 1/4" x 3/4" self tapping screw per stile or backer plate, one additional self tapping screw is used on each end stile. One (.098) strap attached to section with two 1/4" x 3/4" screws and attached to strut with one 1/4" x 3/4" screw at each hinge location.

Narrow Strut and Strut Attachment

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



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C.H.I. 333 OVERLAY CARRIAGE HOUSE	SCALE	nts
	DATE	03-24-2022
Models Series: Overlay Carriage House		
C.H.I. Drawing: Z9-18-04307		
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