



Supplemental Instructions Overlay Carriage House Doors

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

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

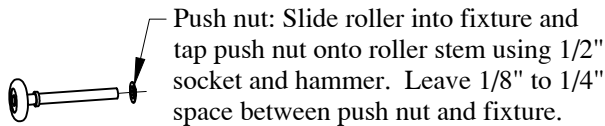
For Use With Drawing Number Z5i-20-04506

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 1 at Detail B |
| 9 | N/A | N/A | N/A | N/A | N/A | 1 at Detail A 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B |
| 8 | N/A | N/A | N/A | N/A | 1 at Detail A 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail B |
| 7 | N/A | N/A | N/A | 1 at Detail A 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B |
| 6 | N/A | N/A | 1 at Detail A 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B |
| 5 | N/A | 1 at Detail A 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B |
| 4 | 1 at Detail A 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B |
| 3 | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B | 1 at Detail C 1 at Detail D 1 at Detail B |
| 2 | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B | 1 at Detail C 1 at Detail B |
| 1 | 1 at Detail C 1 at Detail D 1 at Detail E | 1 at Detail C 1 at Detail D 1 at Detail E | 1 at Detail C 1 at Detail D 1 at Detail E | 1 at Detail C 1 at Detail D 1 at Detail E | 1 at Detail C 1 at Detail D 1 at Detail E | 1 at Detail C 1 at Detail D 1 at Detail E | 1 at Detail C 1 at Detail D 1 at Detail E |

Push Nut Detail (use on all rollers)

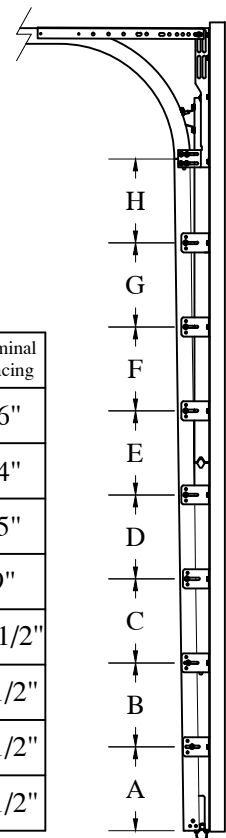
use 3/8" I. D. on bottom fixture roller stem
use 7/16" I. D. on end hinge and top fixture roller stems



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).

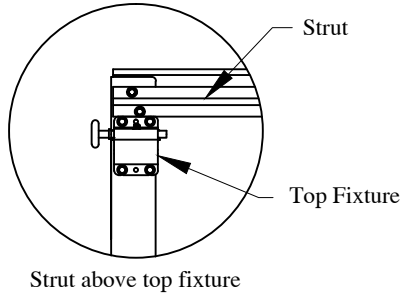
| | Nominal Spacing |
|---|-----------------|
| H | 16" |
| G | 14" |
| F | 15" |
| E | 9" |
| D | 14-1/2" |
| C | 9-1/2" |
| B | 6-1/2" |
| A | 3-1/2" |



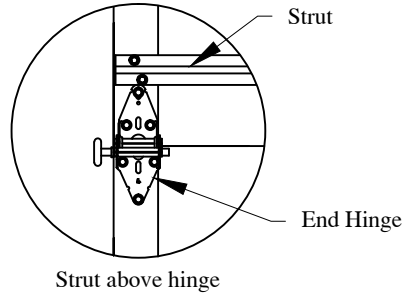
+/- 3" tolerance

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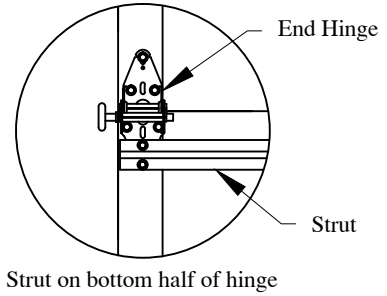
Strut Placement Detail



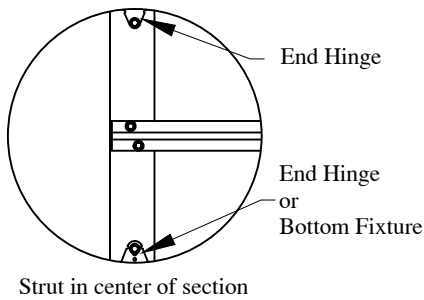
Detail A



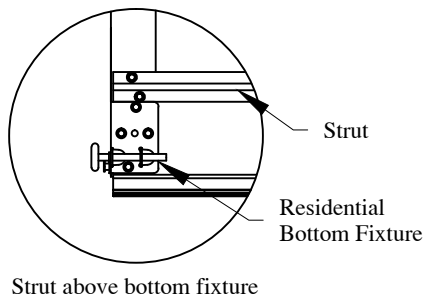
Detail B



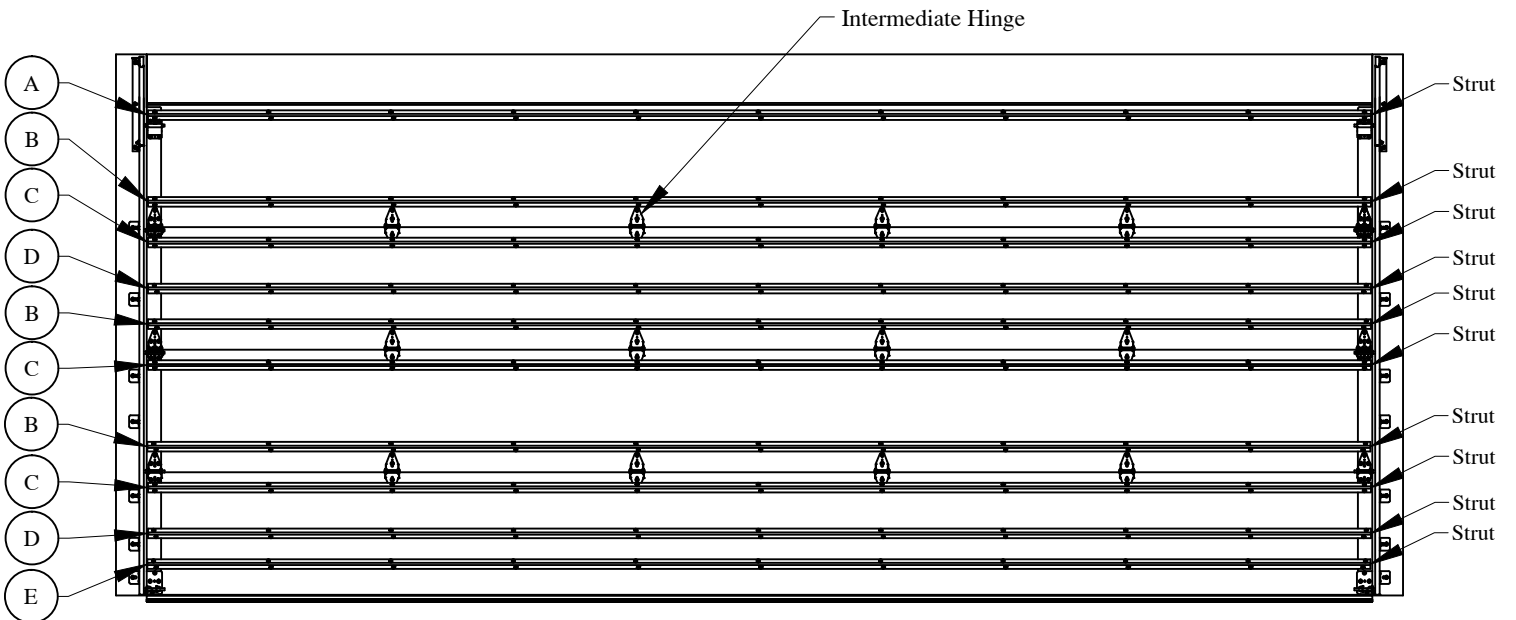
Detail C



Detail D

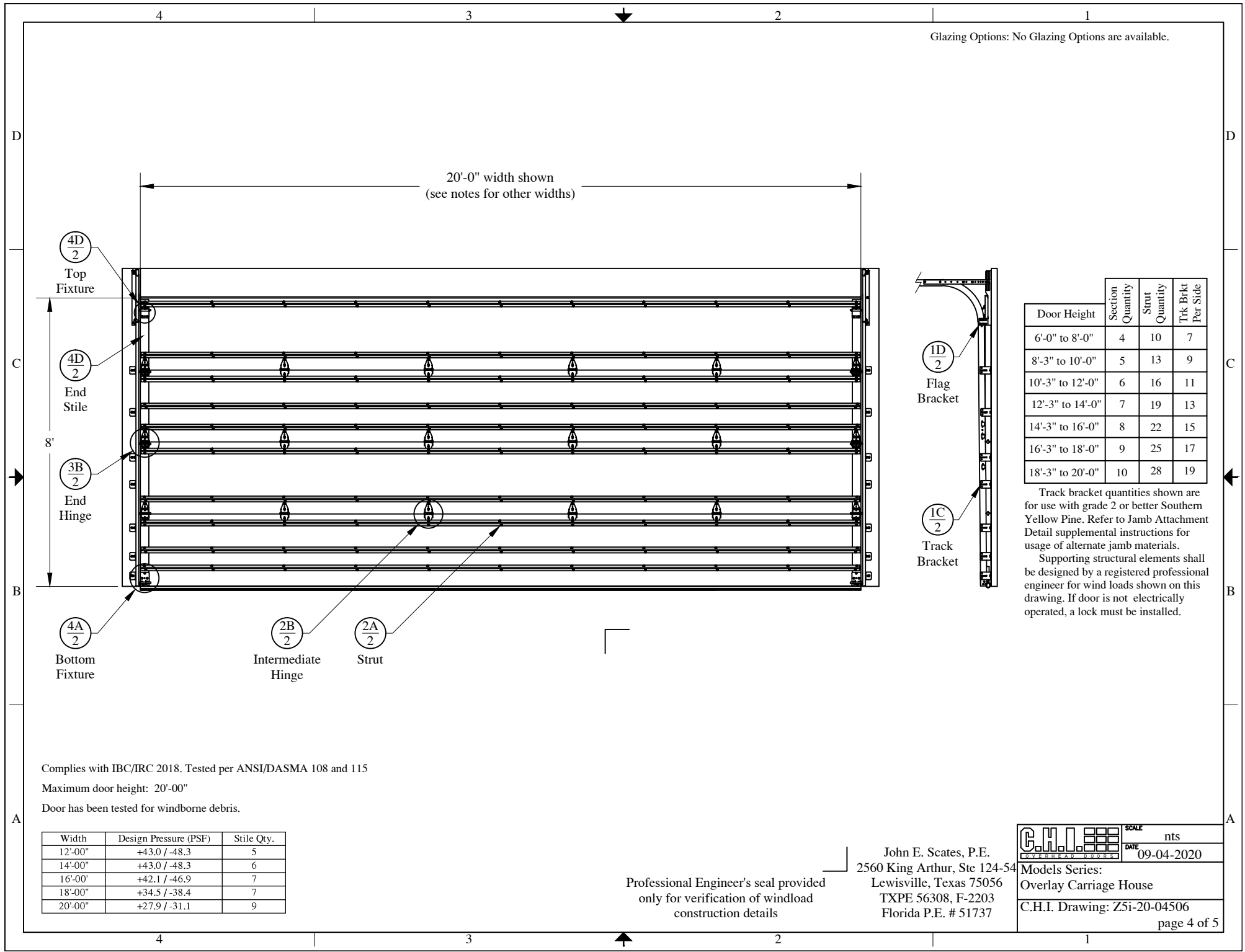


Detail E



10 Struts

Glazing Options: No Glazing Options are available.



| Door Height | Section Quantity | Strut Quantity | Trk Brkt Per Side |
|------------------|------------------|----------------|-------------------|
| 6'-0" to 8'-0" | 4 | 10 | 7 |
| 8'-3" to 10'-0" | 5 | 13 | 9 |
| 10'-3" to 12'-0" | 6 | 16 | 11 |
| 12'-3" to 14'-0" | 7 | 19 | 13 |
| 14'-3" to 16'-0" | 8 | 22 | 15 |
| 16'-3" to 18'-0" | 9 | 25 | 17 |
| 18'-3" to 20'-0" | 10 | 28 | 19 |

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.

Complies with IBC/IRC 2018. Tested per ANSI/DASMA 108 and 115
 Maximum door height: 20'-00"
 Door has been tested for windborne debris.

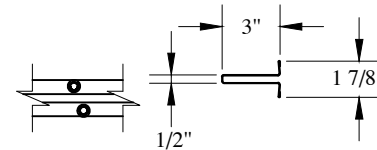
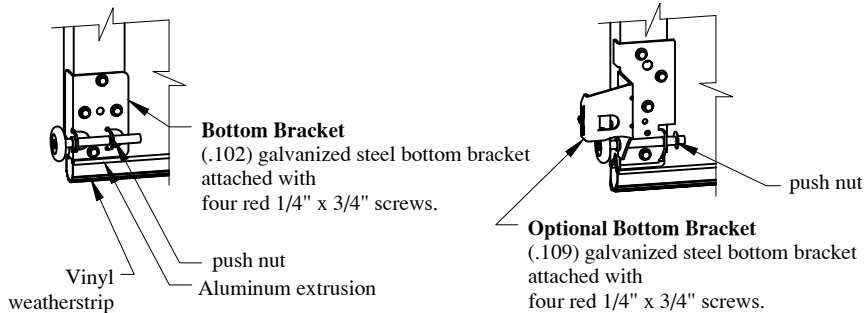
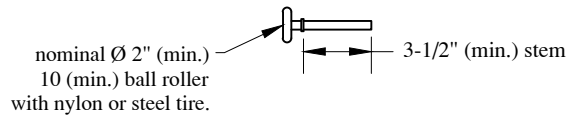
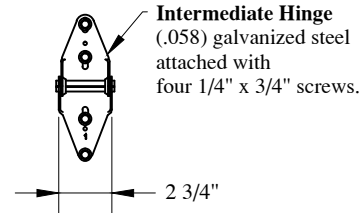
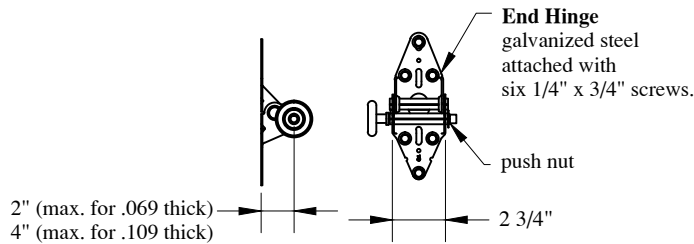
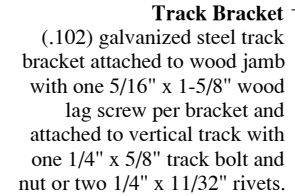
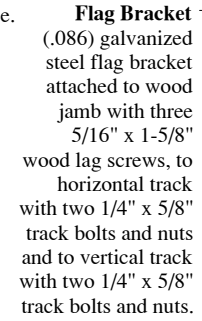
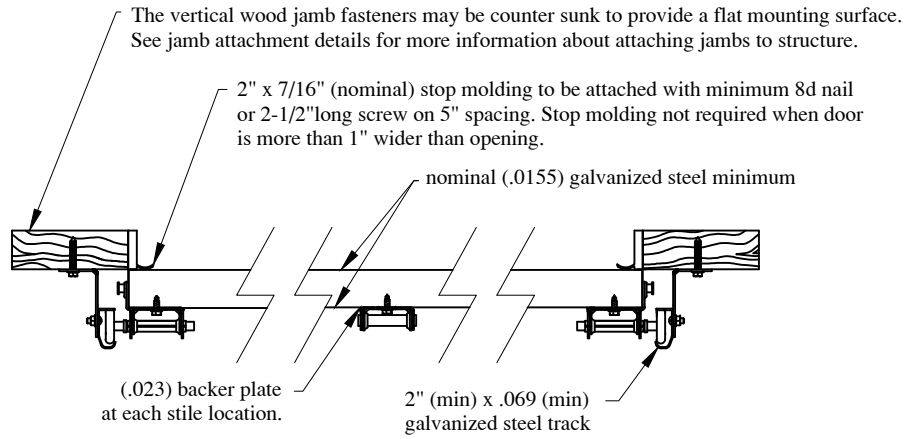
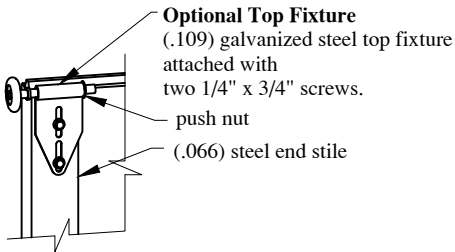
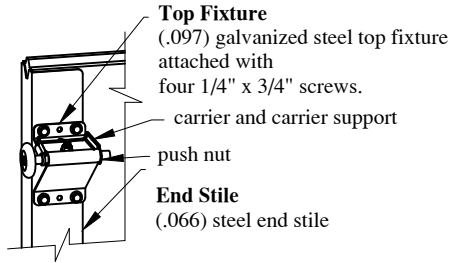
| Width | Design Pressure (PSF) | Stile Qty. |
|---------|-----------------------|------------|
| 12'-00" | +43.0 / -48.3 | 5 |
| 14'-00" | +43.0 / -48.3 | 6 |
| 16'-00" | +42.1 / -46.9 | 7 |
| 18'-00" | +34.5 / -38.4 | 7 |
| 20'-00" | +27.9 / -31.1 | 9 |

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

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| | | |
|--|-------|------------|
| | SCALE | nts |
| | DATE | 09-04-2020 |
| Models Series: Overlay Carriage House | | |
| C.H.I. Drawing: Z5i-20-04506 | | |
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Details on some views may have been omitted for clarity.



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