

Supplemental Instructions

Impact Rated Commercial Sandwich or Urethane Doors

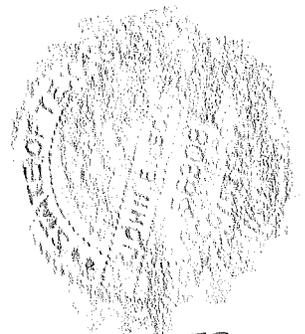
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|  CAUTION | <p>Higher wind pressures and larger doors require additional reinforcement. Premature failure of door system may result from improper application. See chart in lower left corner of drawing sheet one for the approved wind pressures and door sizes.</p> |
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|--|---|
|  WARNING | <p>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.</p> |
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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.

The percentages charted below reduce exposure B wind speeds from the lower left corner of page one of each drawing to approximate mph for mean roof heights H and exposures B, C, & D.

| | H | B | C | D |
|---------------------------|-----|------|-----|-----|
| Building mean roof height | 15' | 100% | 90% | 82% |
| | 20' | 100% | 88% | 80% |
| | 25' | 100% | 86% | 78% |
| | 30' | 100% | 84% | 77% |
| | 35' | 97% | 83% | 76% |
| | 40' | 95% | 81% | 75% |
| | 45' | 94% | 80% | 74% |
| | 50' | 92% | 80% | 74% |
| | 55' | 91% | 79% | 73% |
| | 60' | 90% | 78% | 73% |



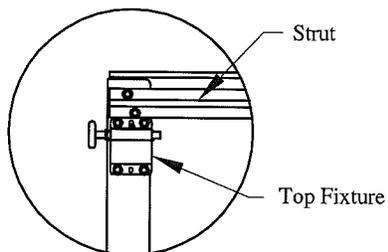
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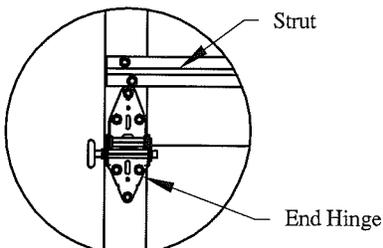
Professional Engineer's seal
provided only for verification of
windload construction details

Strut placement options

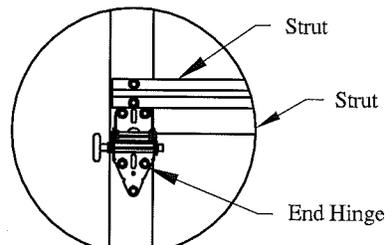
(hinges shown with six screws, see drawing for actual screw quantity requirements)
 (single hinges shown, see drawing for double end hinge requirements)



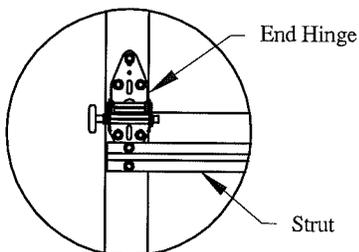
Strut above top fixture



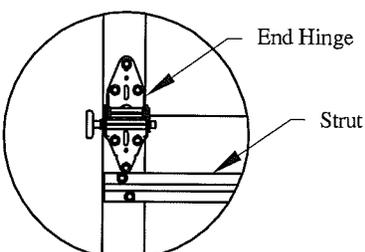
Strut above hinge



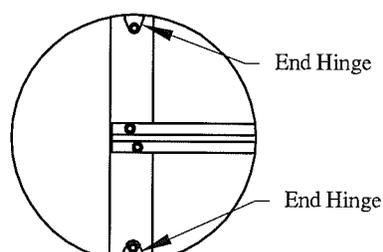
Strut on top half of hinge



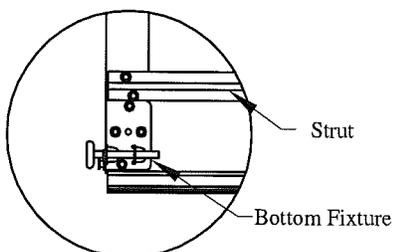
Strut on bottom half of hinge



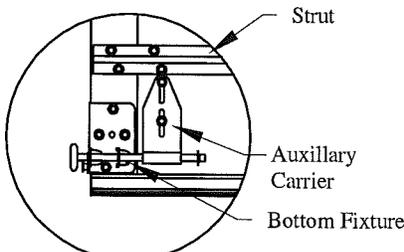
Strut below hinge



Strut in center of section



Strut above bottom fixture



Strut above auxiliary carrier

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

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

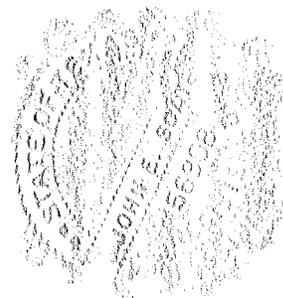
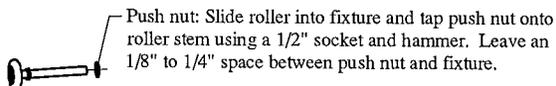
The distance from the bottom of the track to the first track bracket should not exceed 4 inches.
 The distance from the bottom of the track to the second track bracket should not exceed 10 inches.
 Locate track brackets as required to avoid other fasteners or defects in wood.
 Add track brackets as required maintaining equal spacing until the specified quantity is achieved.
 The distance between track brackets should not exceed 28 +/- inches.
 The distance from the top track bracket to the flag angle should not exceed 38 +/- inches.

Push nut detail

(Push nut shown, see drawing for push nut requirements)

Push Nut Detail (use on all rollers, if depicted on drawing)

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



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