



### **Supplemental Wind Load Instructions**

Sandwich Doors: Residential



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.



These 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.

John E. Scates, P.E. 2560 King Arthur, Ste 124-54 Lewisville, Texas 75056 TXPE 56308, F-2203 Florida P.E. # 51737 Professional Engineer's seal provided only for verification of wind load construction details. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

## For Use With Drawing Number Z5-16-02303

#### **Strut Placement**

	Door Height									
Section Number	6'-6" to 7'-0"	7'-6" to 8'-0"	8'-3" to 8'-9"	9'-0" to 10'-6"	10'-9" to 12'-3"	12'-6" to 14'-0"	14'-3" to 15'-9"	16'-0" to 17'-6"	17'-9" to 19'-3"	19'-6" to 20'-0"
12	N/A	1 at Detail A								
11	N/A	1 at Detail A	1 at Detail B 1 at Detail C							
10	N/A	1 at Detail A	1 at Detail B 1 at Detail C	1 at Detail C						
9	N/A	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 B 1 at Detail C	1 at Detail B 1 at Detail C
8	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 C	1 at Detail C	1 at Detail C
7	N/A	N/A	N/A	N/A	1 at Detail A	1 at Detail B 1 at Detail C				
6	N/A	N/A	N/A	1 at Detail A	1 at Detail B 1 at Detail C	1 at Detail C	1 at Detail C	1 at Detail C	1 at Detail C	1 at Detail C
5	N/A	1 at Detail A	1 at Detail A	1 at Detail B 1 at Detail C						
4	1 at Detail A	1 at Detail B	1 at Detail B 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
3	1 at Detail B 1 at Detail C									
2	1 at Detail C									
1	1 at Detail D									

#### 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



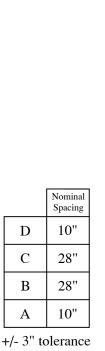
Push nut: Slide roller into fixture and tap push nut onto roller stem using 1/2" socket and hammer. Leave 1/8" to 1/4" space between push nut and fixture.

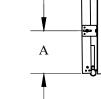
#### **Track Bracket Spacing**

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).

#### **Strut Placement Concerning Windows**

Where a strut crosses a window, it is acceptable to move the strut from a position of "Strut above hinge" down to "Strut on top half of the hinge". It is also acceptable to move teks screws from the upper leg of the strut down to the lower leg of the strut (shown below) if needed to keep both teks embedded in the section. Both applications may be used at the same time as required.





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#### **Strut Placement Detail**

