

plastpro

LOS ANGELES, CA 90045

GLAZED FIBERGLASS SINGLE DOOR

W/ or w/out SIDELITE(S)

Inswing / Outswing

"IMPACT"

GENERAL NOTES

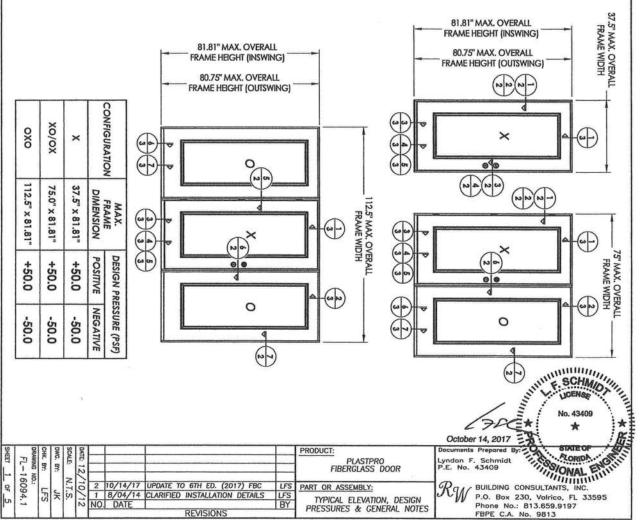
- This product anchoring drawing has been developed and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HYHZ). See the Certification Agency Certificate for sizes, specifications and rating.
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.

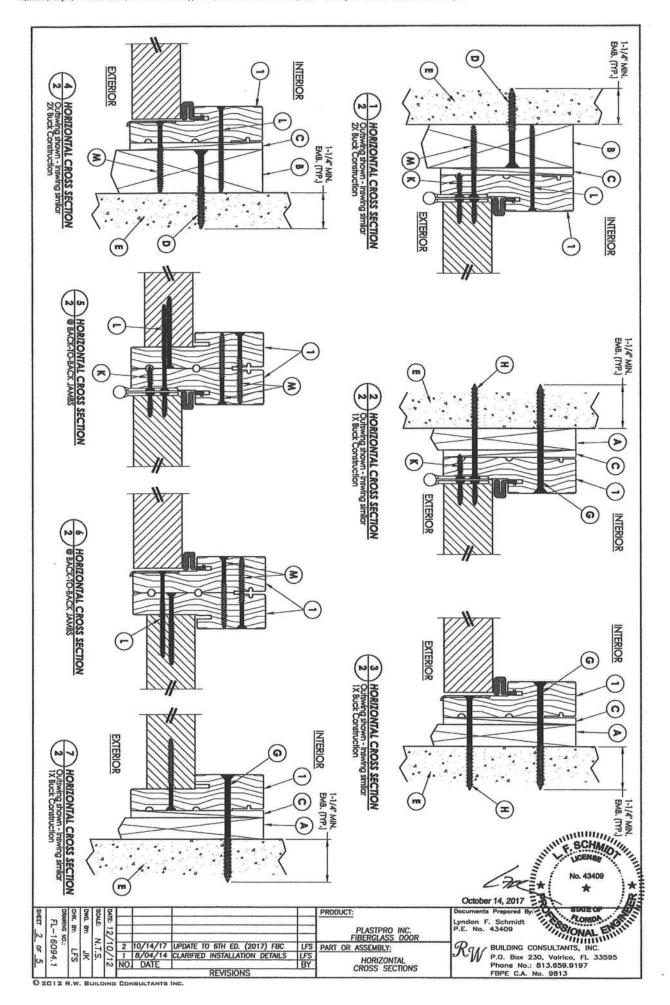
When used in the "HYHZ" this product complies with Section 1626 of the Florida Building Code and does not require an

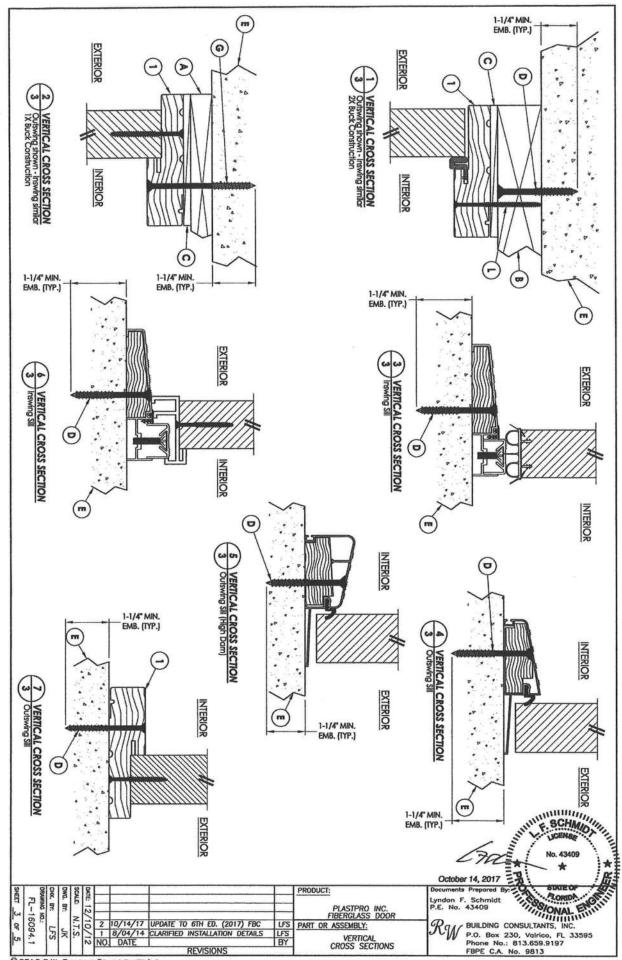
- impact resistant covering.

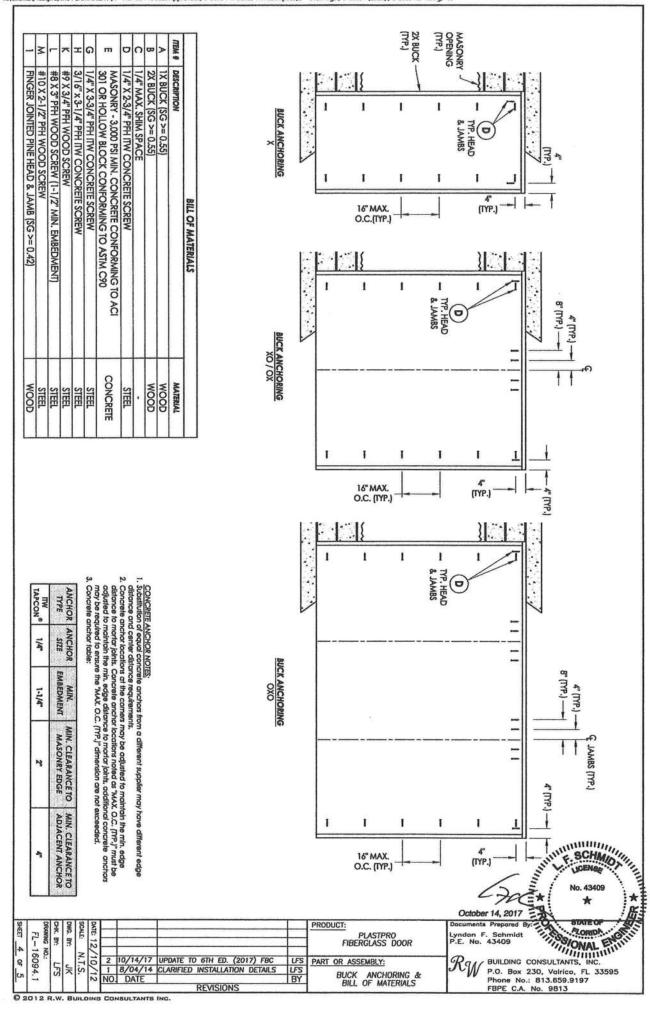
 When used in areas outside of the "HVHZ" requiring wind borne debts protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- Outswing configurations utilizing the high dam still (see Section 5/3), meet water infiltration requirements for "HYHZ". All other configurations do not meet the water infiltration requirements for the "HYHZ" and must be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to still is less than 45 degrees.

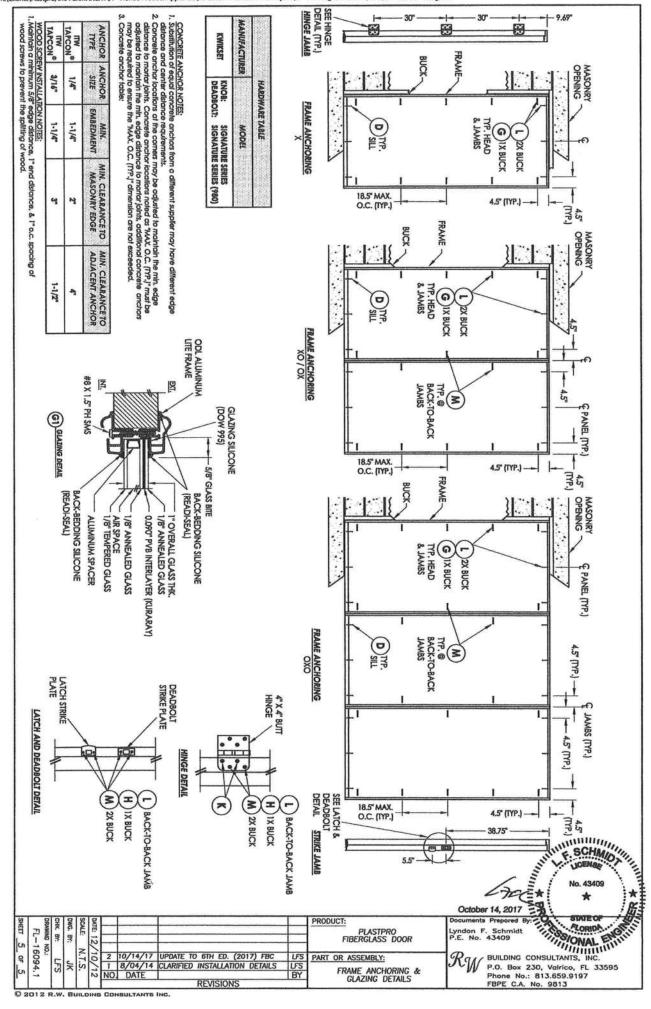
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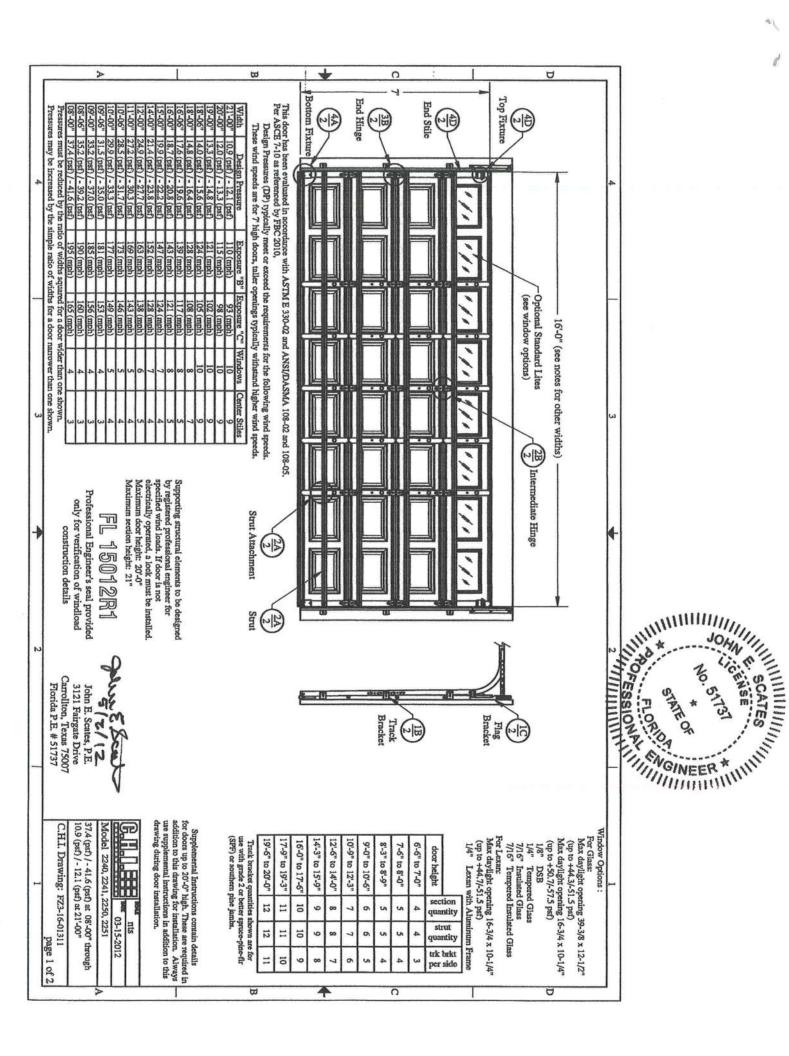


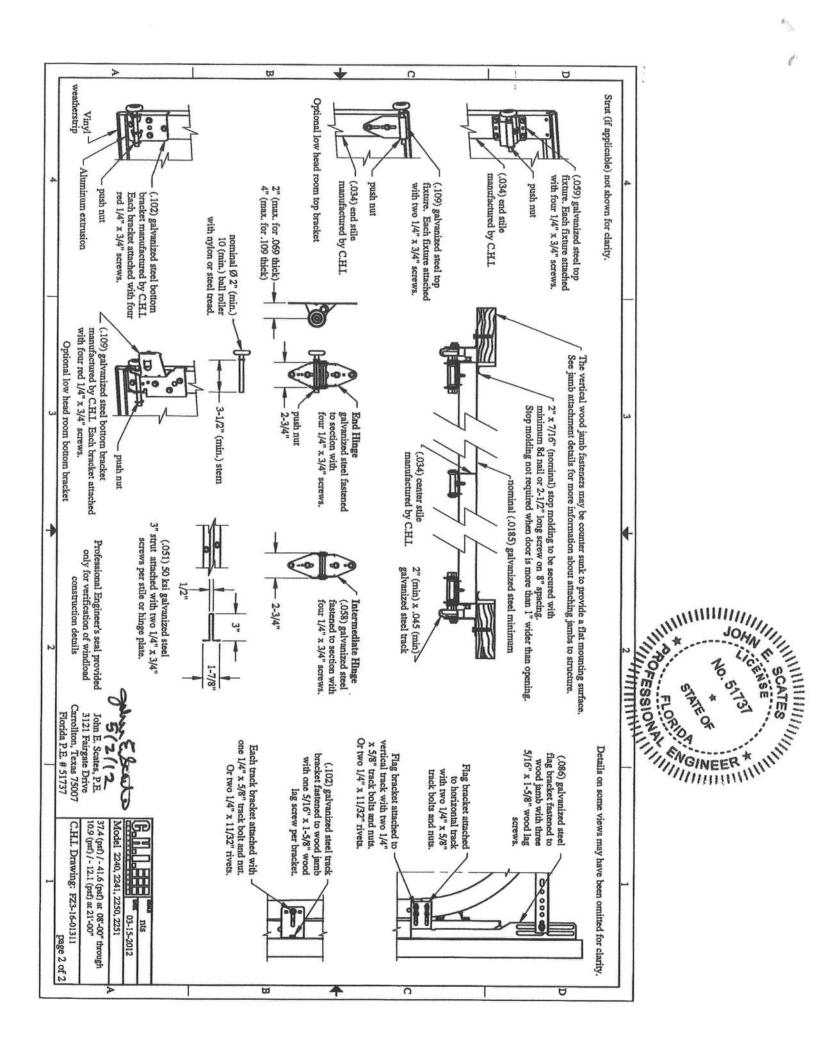


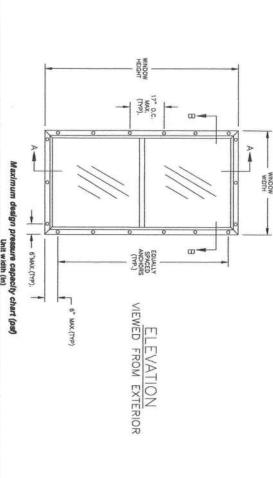












	72.00	59.75	55.50	51.50	47.50	43.50	35.50	27.50	(in)	Hoight
	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	177
	52.5	52.5	52.5	52.5	52.5	62.6	52.5	52.5	Neg	50
	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	19
I	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	Neg	19.50
Ì	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	23
I	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	Neg	23.50
I	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	27.50
I	52.5	52.5	52.5	52.5	52.5	62.6	52,5	52.5	Neg	50
	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	29
I	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	Neg	29.50
Ī	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	31
Ī	52.6	52.5	52.5	52,5	52,5	52.5	52.5	52.5	SeN	31.75
I	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	35
	52.5	52.6	52.5	52.5	52.5	52.5	52.5	52.5	Neg	35.50
	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	39.50
	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	Neg	50
	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	41
	52.3	52.5	52.5	52.5	52.5	62.5	52.5	52.5	Neg	41.50
	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	43
	48.2	51.9	52.5	52.5	52.5	52.5	52.5	52.5	BeN	43.50
	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	Pos	47.50
	41.7	45.5	47.4	49.6	52.3	52.5	52.5	52.5	Neg	50
1	35.0	35.0	35.0	35.0	35.0			35.0	Pos	53
	35.0	38.8	40.6	42.7	45.2	48.2	52.5	52.5	Neg	53.13

Number of anchors required. Units anchored using 6d nails.

Height	(in)	27.50	35.50	43.50	47.50	51.50	55.50	59.75	72.00
17	H&S	2	2	2	2	2	2	2	2
50	Jamb	2	3	3	4	4	4	4	OI
19	H&S	2	2	2	2	2	23	2	2
19.50	Jamb	2	3	3	4	4	4	4	6
23	H&S	2	2	2	N	2	2	2	N
23.50	Jamb	2	w	w	4	4	4	4	ch
27	HAS	2	2	2	2	2	2	23	2
27.50	Jamb	2	3	3	4	4	4	Ch	6
29	H& SJa	3	3	3	3	3	3	3	3
29.50	Jamb	2	s	S	4	4	4	cn	6
31.75	H& S	3	3	3	3	3	3	3	3
75	Jamb	2	3	w	4	4	6	5	6
35.50	B B H	3	3	3	3	3	3	3	3
50	Jamb	2	3	4	4	4	5	5	7
39.50	HES	3	3	w	3	3	3	3	S
50	Jamb	3	3	4	4	cn	G)	6	7
41.50	LE S J	3	3	အ	3	3	3	S	ω
50	Jamb	3	3	4	01	G)	Ch	6	7
43.80	B & H	3	w	w	3	3	9	3	3
86	Jamb	w	co	h	cn	S	6	a	7
47.50	H&S.	4	4	4	4	4	4	4	4
8	lamb l	w	4	O.	OI	Ch	On	6	o
53,13	H & S Jamb	4	4	4	4	4	4	4	4
3	lamb	w	4	Oi	5	Ch	Ch	cn	O

Number of anchors required. Units anchored with #8 wood screw.

Height	(in)	27.50	35.50	43.50	47.50	51.50	55.50	59.75	72.00
17	H & S Jamb	2	2	2	2	2	2	2	2
17.50	Jamb	2	ω	ω	4	4	4	4	U
19	H & SJami	2	2	2	2	2	2	2	N
19.60	Jamb	ы	w	з	4	4	4	4	C)1
23.50	H & S Jamb	2	22	2	N	2	2	2	ы
50	damb	2	3	3	4	4	4	4	c)ı
27.50	HAS	N	2	2	2	2	2	2	N
50	& S Jamb F	2	S	3	4	4	4	4	cn
29.50	-	ω	w	3	w	ω	3	3	ယ
50	mb	12	w	3	4	4	4	4	C/A
31.75	H&SJamb H&	3	3	3	3	S	3	3	ω
.75 35.	Jamb	2	S	ω	4	4	4	4	cn
35.50	H&S	ω	ω	3	ယ	3	3	3	ω
50	SJamb	22	ω	မ	4	4	4	4	cn
39.50	N&S.	ω	ω	3	w	3	3	3	ω
50	SJamb	22	ω	3	4	4	4	4	C7
41.50	HES	ω	3	ω	ω	3	ω	w	ω
80	& S Jamb H &	2	ω	ယ	4	4	4	4	ch
43,50	R&S.	ω	ω	ယ	3	ω	ω	3	w
8	3	102	ω	ω	4	4	4	۵	(S)
47.50	H& S.	4	4	4	4	4	4	4	4
6	Jamb H &	22	ω	ω	4	4	4	4	O
53.13	H&S.	4	4	4	4	4	4	4	4
w	SJamb	23	ယ	ω	4	А	4	4	ch

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NOTES:

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- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- OPENING TO BE DESIGNED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. OPENING DESIGN IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF WINDOW OPENING AND ALL WOOD FRAMING AROUND WINDOW.
- WINDOW FRAME MATERIAL TO BE PVC.
- ALL FASTENERS SHALL BE MADE OF CORROSION RESISTANT MATERIAL

6)

5 4

- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- INSTALL UNITS IN SPRUCE PINE FIR OR BETTER USING 6d .120" DIAMETER NAIL OR #8 WOOD SCREWS LOCATE ANCHORS 6" FROM EACH CORNER AND 17" MAX O.C.THEREAFTER.
- 8 Y APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN WIND BORNE DEBRIS
- CAULK BEHIND WINDOW FLANGE AT HEAD, SILL AND JAMBS.
- USE CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW.
- 109 WHERE WATER RESISTANCE TEST REQUIREMENT OF 15% OF DESIGN LOAD APPLIES, POSITIVE DESIGN PRESSURE IS LIMITED TO 35PSF DUE TO WATER TEST PRESSURE OF 5.25PSF ACHIEVED IN TEST.

12)

UNITS MUST BE GLAZED IN ACCORDANCE WITH ASTM E1300-04 AND MAY VARY DEPENDING UPON SIZE. PRESSURE.

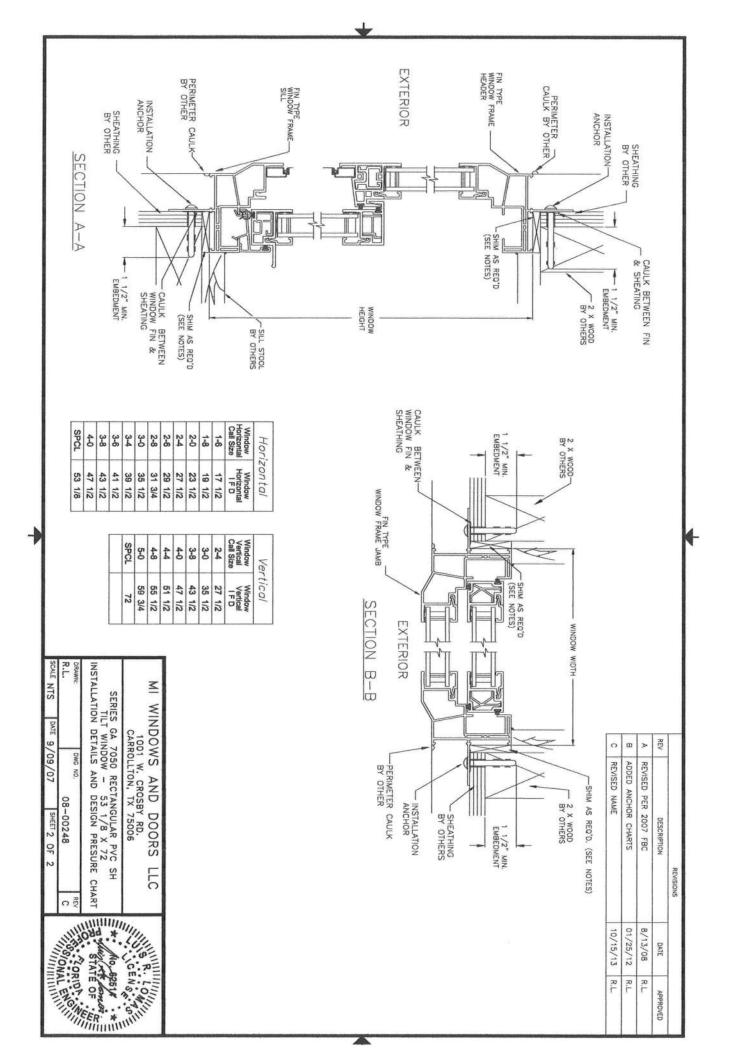
IF EXACT WINDOW SIZE IS NOT LISTED USE NEXT LARGER SIZE FOR THE APPROPRIATE DESIGN

13)

SIGNED: 10/18/2013

INSTALLATION DETAILS AND DESIGN PRESURE CHART MI WINDOWS AND DOORS SERIES GA 7050 RECTANGULAR PVC SH TILT WINDOW - 53 1/8 x 72 DATE 9/09/07 CARROLLTON, TX 75006 DWG ND. 08-00248 SHEET 1 William PRO





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Application Instructions for HERITAGE® LAMINATED ASPHALT SHINGLES

Tuscaloosa, AL

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL ADVERSELY AFFECT COVERAGE UNDER THE LIMITED WARRANTY. SEE THE LIMITED WARRANTY FOR DETAILS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT FASTENING INFORMATION: DO NOT PLACE FASTENERS ON OR ABOVE THE PAINT LINE ON THE SHINGLE. The paint line on the shingle is the upper-most edge of TAMKO's expanded Nail Zone. For complete details regarding TAMKO's expanded Nail Zone, see section 3 of these Application Instructions. Failure to follow fastening instructions, including but not limited to improper placement of fasteners on or above the paint line, will adversely affect coverage under TAMKO's applicable Limited Warranty. Avoid placing fasteners into the sealant strip.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

I. ROOF DECK

These shingles are for application to roof decks consisting of plywood or sheathing boards capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". For roofs having pitches greater than 21 in. per foot, refer to special instructions titled "Mansard Roof or Steep Slope Roof". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by APA - The Engineered Wood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of APA - The Engineered Wood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongueand-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

- 1. Vapor Condensation
- 2. Buckling of shingles due to deck movement.
- 3. Rotting of wood members.
- Premature failure of roof.

To insure adequate ventilation and circulation of air, the ventilation system must include inlets and outlets. This may be accomplished with a combination of ridge and soffit vents or by using gable end vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented. This may be reduced to one square foot of ventilation

area per 300 square feet if at least 40% and not more than 50% of venting is provided not more than 3 feet below the ridge or if a Class I or II vapor barrier is installed on the warm in winter side of the ceiling in climate zones 6, 7, and 8 as recommended by the 2012 International Residential Code. For more information consult your design professional. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENERS

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is required. To insure immediate sealing, apply 4 quarter-sized dabs of TAM-PRO® Premium SBS Adhesive or TAMKO Tam-Seal Adhesive on the back of the shingle 1 in. (25mm) and 13 in. (330mm) in from each side and 1 in. (25mm) up from the bottom of the shingle. Press shingle firmly into the adhesive. For maximum wind resistance along rakes, install any TAMKO starter shingle including sealant or cement shingles to the underlayment and each other in a 4 in. (102mm) width of TAM-PRO SBS Adhesive or TAMKO Tam-Seal Adhesive. Caution: Apply ONLY a thin uniform layer of adhesive less than 1/8 in. (3mm) thick. Excessive amounts can cause blistering of the shingles and may soften the asphalt in certain underlayments resulting in the asphalt flowing, dripping and staining. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the Limited Warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable mph as stated in the Limited Warranty. See Limited Warranty on the wrapper or tamko.com for details.

(Continued)

Visit Our Web Site at tamko.com

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