

ALLOWABLE DESIGN WIND PRESSURES IN PSF

SHORT SPAN TABLE

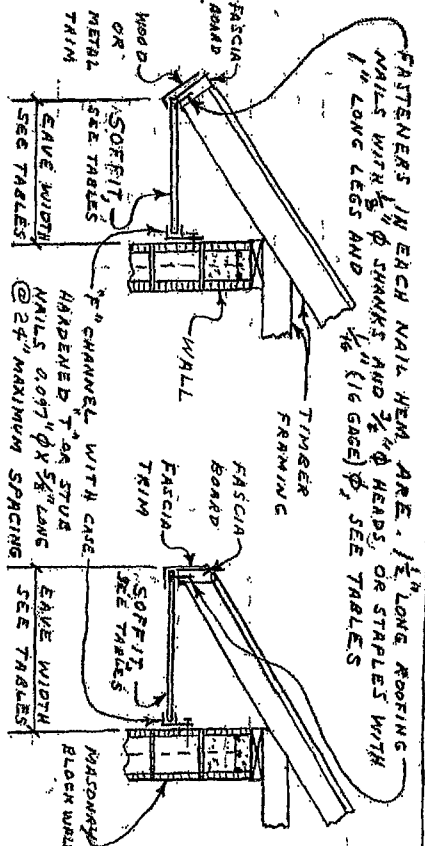
SOFFIT TYPE	10'	12'	16'
Double 6 (Aluminum) 12" Nails	+169.1	+135.3	+96.6
Solid - 36680 Vented - 36681	+169.1	+135.3	+96.6
Double 6 (Aluminum) 12" Staples	+169.1	+135.3	+96.6
Solid - 36680 Vented - 36681	+169.1	+135.3	+96.6
Double 6 PVC Coated (Aluminum) 12" Nails	+169.1	+135.3	+96.6
Solid - 36681(2) Vented - 36681(2)	+169.1	+135.3	+96.6
Double 6 PVC Coated (Aluminum) 12" Staples	+169.1	+135.3	+96.6
Solid - 36681(2) Vented - 36681(2)	+169.1	+135.3	+96.6
Triple 4 (Aluminum) 12" Nails	+169.1	+135.3	+96.6
Center Vent - 36695 Full Vent - 36696	+169.1	+135.3	+96.6
Triple 4 (Aluminum) 12" Staples	+169.1	+135.3	+96.6
Center Vent - 36695 Full Vent - 36696	+169.1	+135.3	+96.6
Quad 4 (Aluminum) 16" Nails	+126.8	+101.5	+72.5
Solid - 36697 Vented - 36698	+126.8	+101.5	+72.5
Quad 4 (Aluminum) 16" Staples	+126.8	+101.5	+72.5
Solid - 36697 Vented - 36698	+126.8	+101.5	+72.5
Durabuilt Double 6 (Aluminum) 12" Nails	+133.5	+106.8	+76.3
Solid - 36682 Vented - 36683	+133.5	+106.8	+76.3
Durabuilt Double 6 (Aluminum) 12" Staples	+133.5	+106.8	+76.3
Solid - 36682 Vented - 36683	+133.5	+106.8	+76.3
Durabuilt Triple 4 (Aluminum) 12" Nails	+133.5	+106.8	+76.3
Solid - 36687 Center Vent - 36688 Full Vent - 36689	+133.5	+106.8	+76.3
Durabuilt Triple 4 (Aluminum) 12" Staples	+133.5	+106.8	+76.3
Solid - 36687 Center Vent - 36688 Full Vent - 36689	+133.5	+106.8	+76.3
0.13 T4 (Aluminum) 12" Nails	+115.7	+92.6	+66.1
Solid - 36768 Center Vent - 36769 Vented - 36770	+115.7	+92.6	+66.1
0.13 T4 (Aluminum) 12" Staples	+115.7	+92.6	+66.1
Solid - 36768 Center Vent - 36769 Vented - 36770	+115.7	+92.6	+66.1
Third Plus Triple 3 1/2 (Vinyl) 10" Nails	+127.3	+101.5	+72.5
Solid - 36406 Vented - 36407	+127.3	+101.5	+72.5
Third Plus Triple 3 1/2 (Vinyl) 10" Staples	+127.3	+101.5	+72.5
Solid - 36406 Vented - 36407	+127.3	+101.5	+72.5
Beaded (Vinyl) 7" Nails	+104.0	+83.2	+59.4
Solid - 36445 Vented - 36446	+104.0	+83.2	+59.4
Beaded (Vinyl) 7" Staples	+104.0	+83.2	+59.4
Solid - 36445 Vented - 36446	+104.0	+83.2	+59.4
Double 3 Standard (Vinyl) 10" Nails	+120.6	+95.3	+70.8
Solid - 36406 Vented - 36407	+120.6	+95.3	+70.8
Double 3 Standard (Vinyl) 10" Staples	+120.6	+95.3	+70.8
Solid - 36406 Vented - 36407	+120.6	+95.3	+70.8
Double 3 Premium (Vinyl) 10" Nails	+122.3	+96.4	+71.9
Solid - 36575 Vented - 36576	+122.3	+96.4	+71.9
Double 3 Premium (Vinyl) 10" Staples	+122.3	+96.4	+71.9
Solid - 36575 Vented - 36576	+122.3	+96.4	+71.9
Triple 4 (Vinyl) 12" Nails	+196.3	+157.0	+112.2
Center Vent - 36573 Full Vent - 36574	+196.3	+157.0	+112.2
Triple 4 (Vinyl) 12" Staples	+196.3	+157.0	+112.2
Center Vent - 36573 Full Vent - 36574	+196.3	+157.0	+112.2

Details that go with this table appear on Sheet 1 of 2

DESIGN PRESSURES LISTED IN TABLES ARE BASED ON COMPARATIVE AND RATIONAL ANALYSES DONE IN HR PROJECT 11100018 AND ARE IN CONFORMANCE WITH THE 2010 FLORIDA BUILDING CODE AND THE 2010 FLORIDA RESIDENTIAL CODE.

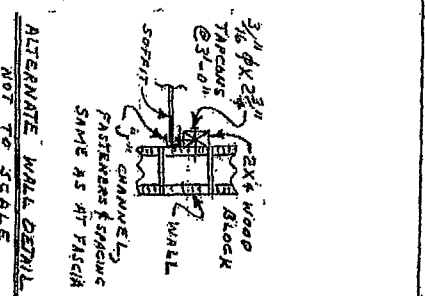
THE 2010 FLORIDA BUILDING CODE IN SECTION 1609.1 AND THE 2010 FLORIDA RESIDENTIAL CODE IN SECTION R703.1 DIRECTLY MANDATE THAT THE DESIGN WIND PRESSURES ON SOFFITS ARE TO BE THE SAME AS THE ADJACENT WALLS.

WHERE SHORT SPAN AND LONG SPAN TABLES OVERLAP, THE LOWER VALUES GOVERN AND SHOULD BE USED IN INSTALLATION DESIGNS.



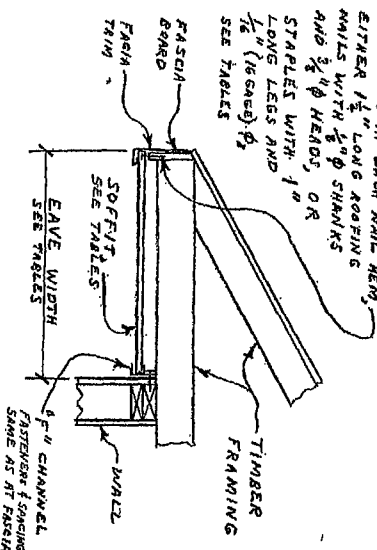
SOFFITS WITH MASONRY BLOCK WALLS

NOT TO SCALE



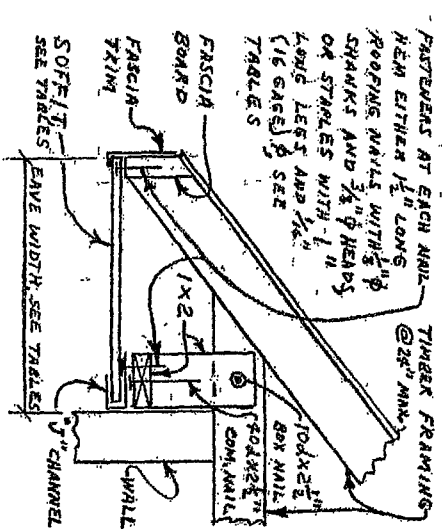
SOFFIT WITH WOOD FRAMED WALL

NOT TO SCALE

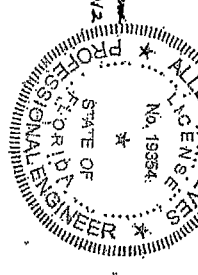


SOFFIT INTO ROOF FRAMING

NOT TO SCALE



HR Engineering, Inc.
 DATE 2 OCT 2012
 PROJECT NO. 11100018-7 SHEET 1 OF 2
 PROJECT NAME: MAPCO SOFFITS - FLORIDA



Florida Product Approval

Cemplank® Lap Siding

- For use inside HVHZ:
 - Cemplank Lap Siding fastener types, fastening schedule, and installation shall be in accordance with the Miami-Dade County Florida NOA 07-0418.04. Consult the Cemplank product installation instructions on the follow pages for all other installation requirements.
- For use outside of HVHZ,
 - Cemplank Lap Siding fastener types, fastening schedule, and installation shall be in accordance with Engineering Evaluation Reports RIO-2298-11 or RIO-2300-11. Consult the Cemplank product installation instructions on the follow pages for all other installation requirements.

FL # 13192.1



EFFECTIVE AUGUST 2010

INSTALLATION REQUIREMENTS - PRIMED AND FACTORY BUILT COLOR TREATED PRODUCTS

CEDAR • BEADED CEDAR • BEADED SMOOTH

IMPORTANT FAILURE TO INSTALL AND FINISH THIS PRODUCT IN ACCORDANCE WITH APPLICABLE BUILDING CODES AND THE MANUFACTURER'S WRITTEN APPLICATION INSTRUCTIONS MAY LEAD TO PERSONAL INJURY, AFFECT SYSTEM PERFORMANCE, VIOLATE LOCAL BUILDING CODES, AND VOID THE PRODUCT ONLY WARRANTY

STORAGE & HANDLING:

Store flat and keep dry and covered prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry planks on edge. Protect edges and corners from breakage. The manufacturer is not responsible for damage caused by improper storage and handling of the product.



GENERAL REQUIREMENTS:

Cemiplank® lap siding can be installed over braced wood or steel studs spaced a maximum of 24" o.c. or directly to minimum 7/16" thick OSB sheathing. Irregularities in framing and sheathing can mirror through the finished application. Cemiplank® lap siding can also be installed over foam insulation/sheathing up to 1" thick. When using foam insulation/sheathing, avoid over-driving nails (fasteners), which can result in dimpling of the siding due to the compressible nature of the foam insulation/sheathing. Extra caution is necessary if power-driven nails (fasteners) are used for attaching siding over foam insulation/sheathing. A water-resistant barrier is required in accordance with local building code requirements. The water-resistant barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. The manufacturer will assume no responsibility for water infiltration into the building or on the exterior of the building or in accordance with local building codes.

Install Cemiplank® products with a minimum 6" clearance to the finished grade on the exterior of the building or in accordance with local building codes. If greater than 6" is required (Fig. 3), maintain a 1" - 2" clearance between Cemiplank products and roofs, decks, paths, steps and driveways (Figs. 4, 5 & 6). Maintain a 1/4" clearance between Cemiplank products and horizontal flashing (Fig. 7). Ensure gutters have end caps. Maintain a minimum 1" gap between end caps and siding & trim (Fig. 8). Install kickout flashing at roof-wall junctions (Fig. 9). Adjacent finished grade must slope away from the building in accordance with local building codes - typically a minimum of 6" in the first 10'. Do not install Cemiplank products, such that they may remain in contact with standing water. Cemiplank® lap siding must be installed on vertical wall applications only. DO NOT use stain on Cemiplank products.

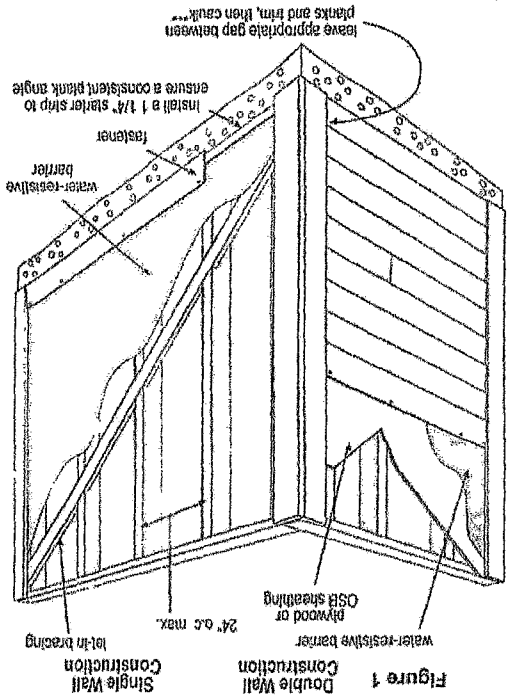
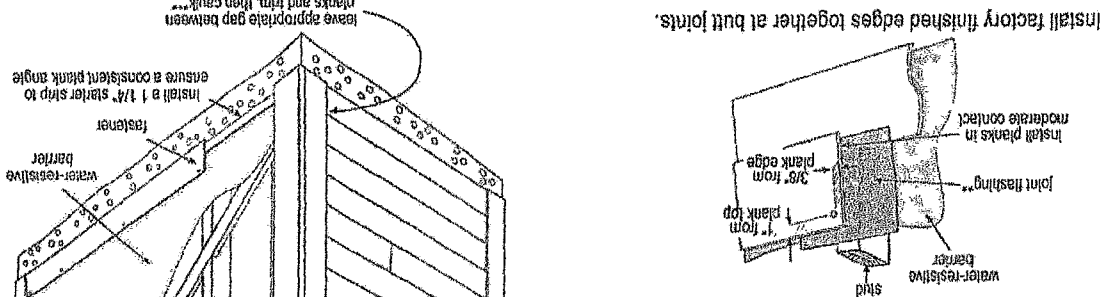
CUTTING INSTRUCTIONS

OUTDOORS	
1. Position cutting station so that wind will blow dust away from user and others in working area.	
2. Use one of the following methods: a. Best: Score and snap. b. Better: Handheld circular saw equipped with a carbide blade. c. Good: Handheld circular saw with a carbide blade and HEPA vacuum extraction (only use for low to moderate cutting).	
INDOORS	
1. Cut only using score and snap, or shears (manual, electric or pneumatic).	
2. Position cutting station in well-ventilated area.	
- NEVER use a power saw indoors - NEVER use a circular saw blade that does not carry the Handiblade saw blade trademark - NEVER dry sweep - Use wet suppression or HEPA Vacuum	

Important Note: For maximum protection (lowest respirable dust production), the manufacturer recommends always using "Best" level cutting methods where feasible. NIOSH-approved respirators can be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at www.cemboard.com to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact the manufacturer for further information.

Cemiplank® lap siding must be installed on vertical wall applications only. DO NOT use stain on Cemiplank products. Install Cemiplank products, such that they may remain in contact with standing water. Cemiplank® lap siding must be installed on vertical wall applications only. DO NOT use stain on Cemiplank products. Install Cemiplank products, such that they may remain in contact with standing water. Cemiplank® lap siding must be installed on vertical wall applications only. DO NOT use stain on Cemiplank products.

INSTALLATION: (Required for Factory Built Color Finish, Recommended for Primed product) JOINT TREATMENT It is not recommended to use caulk at field butt joints. Install factory finished edges together at butt joints. If only nailed to sheathing, plank can be a maximum 9-1/4" wide and must be face nailed at 12" o.c. with 0.09" shank x 0.221" HD x 1.5" long corrosion resistant nails. **As required by local building code ***Apply caulk in accordance with caulk manufacturers written application instructions.

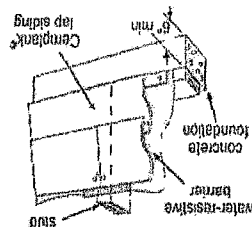


WARNING: AVOID BREATHING SILICA DUST. Cemiplank® products contain respirable crystalline silica, which is known to the State of California to cause cancer and is considered by IARC and NIOSH to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) use fiber cement shears for cutting or, where not feasible, use a Handiblade® saw blade and dust-reducing circular saw attached to a HEPA vacuum; (3) wear others in the immediate area; (4) wear a properly-fitted, NIOSH-approved dust mask or respirator (e.g., N-95) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up, use HEPA vacuum or wet cleanup methods - never dry sweep. For further information, refer to our installation instructions and Material Safety Data Sheet available at www.cemboard.com or by calling 1-877-236-7526. FAILURE TO ADHERE TO OUR WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

CLEARANCES

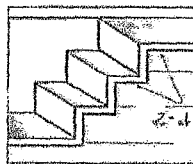
Install siding and trim products in compliance with local building code requirements for clearance between the bottom edge of the siding and the adjacent finished grade

Figure 3



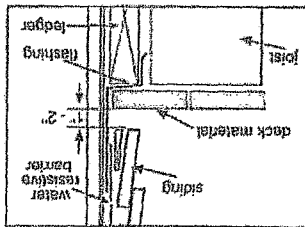
Maintain a 1" - 2" clearance between the Cemplank® products and paths, steps and driveways.

Figure 4



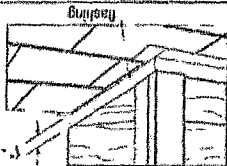
Maintain a 1" - 2" clearance between Cemplank® products and decking material.

Figure 5



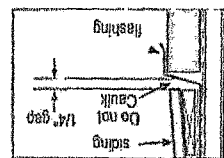
At the juncture of the roof and vertical surfaces, flashing and counterflashing shall be installed per the roofing manufacturer's instructions. Provide a 1" - 2" clearance between the roofing and the bottom edge of the siding and trim.

Figure 6



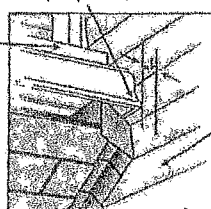
Maintain a 1/4" clearance between the bottom of Cemplank® products and horizontal flashing. Do not caulk gap.

Figure 7



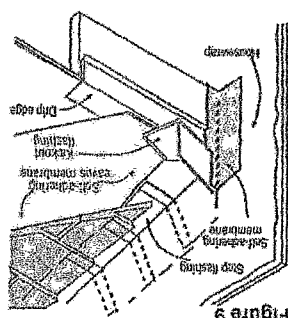
Maintain a minimum 1" gap between gutter end caps and siding & trim.

Figure 8



KICKOUT FLASHING
Because of the volume of water that can pour down a sloped roof, one of the most critical flashing details occurs where a roof intersects a sidewall. The roof must be flashed with step flashing. Where the roof terminates, install a kickout to deflect water away from the siding. It is best to install a self-adhering membrane on the wall before the subscia and trim boards are nailed in place, and then come back to install the kickout.
Figure 9, Kickout Flashing: To prevent water from dumping behind the siding and the end of the roof intersection, install a "kickout" of sufficient length and angle to direct the water running down the roof away from the siding.

Figure 9



FASTENER REQUIREMENTS**

Blind Nailing is the preferred method of installation for all Cemplank® lap siding products

BLIND NAILING

- Nails - Wood Framing**
 - Siding nail (0.09" shank x 0.221" HD x 2" long)
 - 11ga. roofing nail (0.121" shank x 0.371" HD x 1.25" long)
- Screws - Steel Framing**
 - Ribbed Wafer-head or equivalent (No. 8 x 1 1/4" long x 0.375" HD)
 - Screws must penetrate 3 threads into metal framing.
- Nails - Steel Framing**
 - ET & F Panelfast® nails or equivalent (0.10" shank x 0.133" HD x 1-1/2" long)
 - Nails must penetrate minimum 1/4" into metal framing.
- OSB minimum 7/16"**
 - 11ga. roofing nail (0.121" shank x 0.371" HD x 1.75" long)
 - Ribbed Wafer-head or equivalent (No. 8 x 1 5/8" long x 0.375" HD).

Figure 10

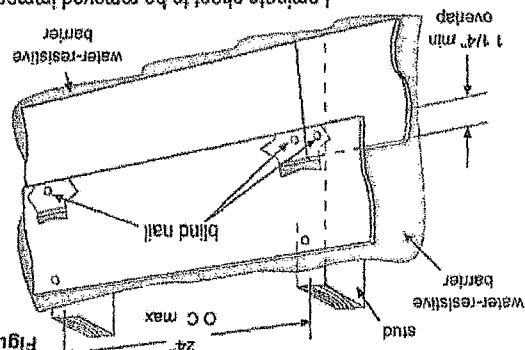
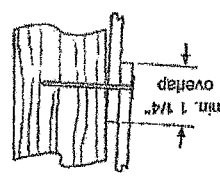


Figure 11



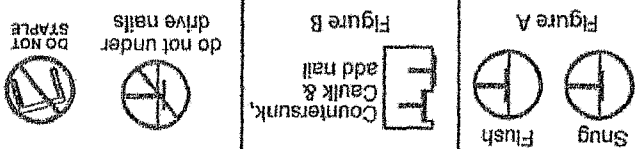
Laminate sheet to be removed immediately after installation of each course for Factory Built Color products.

** The illustration (figure 9) and associated text was reprinted with permission of THE JOURNAL OF LIGHT CONSTRUCTION. For subscription information, visit www.jlcnline.com.

** When face nailing to OSB, planks must be no greater than 9 1/4" wide and fasteners must be 12" o.c. or less.

GENERAL FASTENING REQUIREMENTS

- Fasteners must be corrosion resistant, galvanized, or stainless steel.
- The manufacturer recommends the use of quality, hot-dipped galvanized nails. The manufacturer is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing Cemboard® products near the ocean, large bodies of water, or in very humid climates.
- PNEUMATIC FASTENING**
Cemboard products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven to steel framing).
- For best results use an Elastomeric Joint Sealant complying with ASTM C920 Grade NS, Class 25 or higher or a Latex Joint Sealant complying with ASTM C834. Caulking/Sealant must be applied in accordance with the caulking/sealant manufacturer's written instructions or ASTM C1193.
- PAINTING**
DO NOT use stain on Cemboard products.
Cemboard products must be painted within 180 days for primed product and 90 days for unpainted. 100% acrylic topcoats are recommended. Do not paint when wet. For application rates refer to paint manufacturer's specifications.
Back-rolling is recommended if the siding is sprayed.
- Touch up nicks, scrapes and nail heads using the Factory Built Color Technology Touch-up paint should be used sparingly.
- Laminate sheet must be removed immediately after installation of each course.
- Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks are available from your Factory Built Color product dealer.
- Treat all other non-factory cut edges using the Factory Built Color technology edge coat, available from your Factory Built Color product dealer.



- Drive fasteners perpendicular to siding and framing.
- Fastener heads should fit snug against siding (no air space). (fig. A)
- Do not over-drive nail heads or drive nails at an angle.
- If nail is countersunk, caulk nail hole and add a nail. (fig. B)
- For wood framing, under driven nails should be hit flush to the plank with a hammer (for steel framing, remove and replace nail).
- Do not use aluminum fasteners, staples, or clipped head nails.

FACTORY BUILT COLOR TECHNOLOGY CAULKING, TOUCH-UP & LAMINATE

- Touch up nicks, scrapes and nail heads using the Factory Built Color Technology Touch-up paint should be used sparingly.
- If large areas require touch-up, replace the damaged area with new Cemboard® lap siding with Factory Built Color technology.
- Laminate sheet must be removed immediately after installation of each course.
- Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks are available from your Factory Built Color product dealer.
- Treat all other non-factory cut edges using the Factory Built Color technology edge coat, available from your Factory Built Color product dealer.

PAINTING CEMBOARD® SIDING AND TRIM PRODUCTS WITH FACTORY BUILT COLOR TECHNOLOGY

- When repainting Factory Built Color products, the manufacturer recommends the following regarding surface preparation and topcoat application:
 - Ensure the surface is clean, dry, and free of any dust, dirt, or mildew
 - Repainting is normally not necessary
 - 100% acrylic topcoats are recommended
 - DO NOT use stain or oil/kayd base paints on Cemboard products
 - Apply finish coat in accordance with paint manufacturers written instructions regarding coverage, application methods, and application temperature

COVERAGE CHART/ESTIMATING GUIDE

Number of 12' planks, does not include waste

COVERED AREA LESS OPENINGS SQ (1 SQ = 100 sq.ft.)	(exposure)	CEMPLANK® LAP SIDING WIDTH											
		12	10 3/4	9 1/2	8 1/4	7	8 1/4	7 1/2	6 1/4	5	4	3 1/4	2 1/2
1		25	40	50	60	75	100	117	140	160	200	225	250
2		20	33	40	48	60	80	96	117	140	180	200	225
3		17	28	34	40	50	67	80	100	120	150	175	200
4		15	25	30	36	45	60	72	90	108	135	160	180
5		13	21	26	31	39	52	62	78	94	117	140	160
6		11	18	22	27	34	45	54	68	81	101	120	135
7		10	16	20	24	30	40	48	60	72	90	108	125
8		9	15	18	22	27	36	43	54	65	81	99	112
9		8	14	17	20	25	33	40	49	59	73	89	101
10		7	13	16	19	23	31	37	46	55	68	83	95
11		6	12	15	18	21	28	34	42	51	62	76	87
12		5	11	14	17	20	26	32	39	47	57	70	81
13		4	10	13	16	19	24	29	36	43	52	64	75
14		3	9	12	15	18	22	27	33	40	48	59	69
15		2	8	11	14	17	20	24	30	36	43	53	62
16		1	7	10	13	16	19	22	27	33	40	49	58
17			6	9	12	15	18	21	26	31	38	46	55
18			5	8	11	14	17	20	24	29	35	43	51
19			4	7	10	13	16	19	22	27	33	40	48
20			3	6	9	12	15	18	21	25	31	37	45

This coverage chart is meant as a guide. Actual usage is subject to variables such as building design. The manufacturer does not assume responsibility for over or under ordering of product.

RECOGNITION: In accordance with ICC-ES E-1405, Cemboard® lap siding is recognized as a suitable alternative to that specified in the BOC National Building Code/1999, the 1997 Standard Building Code, the 1997 Uniform Building Code, the 1998 International One- and Two-Family Dwelling Code, the 2003 International Building Code, and the 2003 International Residential Code for One- and Two-Family Dwellings. Cemboard® lap siding is also recognized for application in the following: City of Los Angeles Research Report No. 24862, State of Florida Building Code/1999, Florida NOA No. 02-0729-02, U.S. Dept. of HUD Materials Release 1263c, Texas Department of Insurance Product Evaluation EC-23, City of New York MEA-223-93-M, and California BSA PA-019. These documents should also be consulted for additional information concerning the suitability of this product for specific applications.

THERMA TRU®

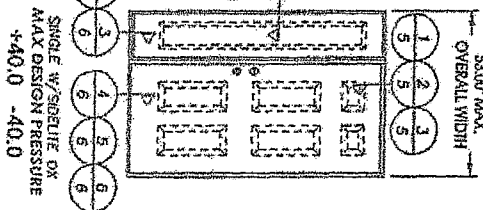
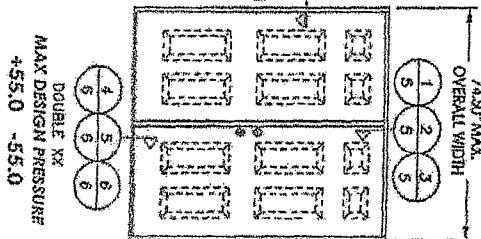
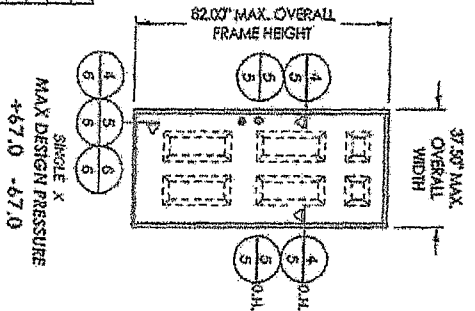
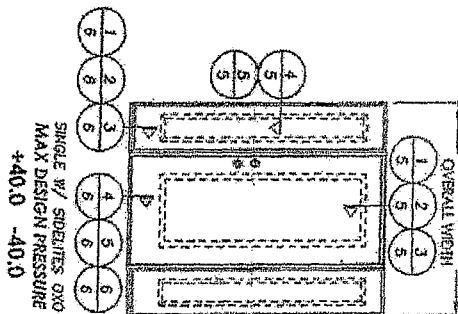
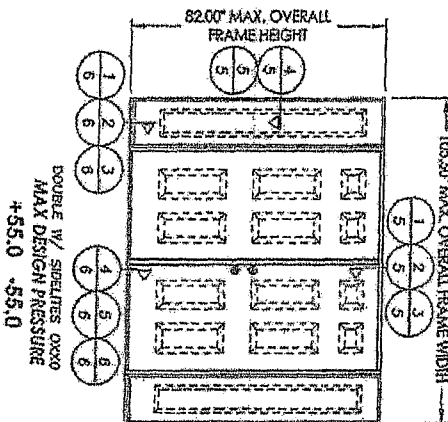
THERMA TRU DOORS
118 INDUSTRIAL DR., COBBENTON, GA 30537

"Smooth-Star" and "Benchmark by Thermo-Tru"
6" SINGLE AND DOUBLE OPAQUE OR GLAZED PANELS
W/ & W/O SIDELITES
INSWING / OUTSWING
INSULATED FIBERGLASS DOOR WITH WOOD FRAMES

General Notes

1. This product anchoring drawing has been developed in compliance with the 2010 Florida Building Code (FBC) including the High Velocity Hurricane Zone. See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond well dressing, stucco, lean brick and other well coverings.
3. Wood screws shall be installed following installation instructions of ANSI/APFA NDS 2005. All other fastener types to be installed following fastener manufacturer's installation instructions.
4. Fastener embedment depths, edge distances and center-center distances shall be as specified by the fastener manufacturer but in no instance shall they be less than shown in this drawing.
5. Where shims are used, they must be a rigid / stiff molded flint complies with the requirements of the 2010 FBC.
6. Positive and negative design pressure requirements for use with this drawing shall be determined by others for specific jobs in accordance with the governing code.
7. Site conditions not covered by this drawing are subject to further engineering analysis.

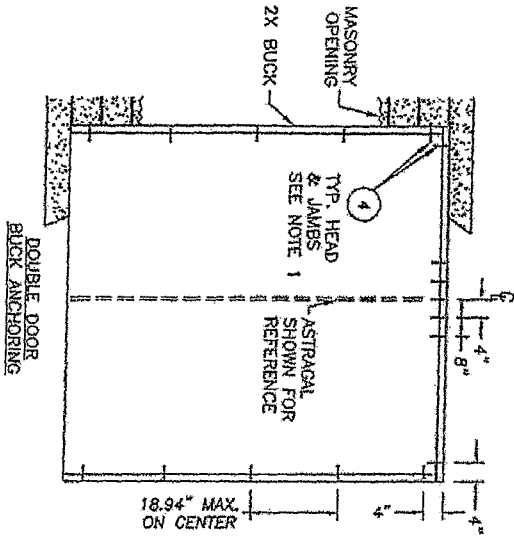
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Back anchoring
3	Frame anchoring
4	Frame anchoring & bill of materials
5	Horizontal & vertical cross sections
6	Vertical cross sections



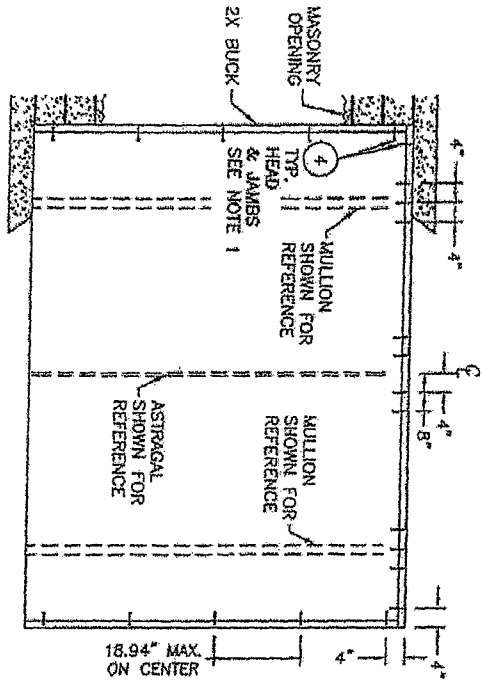
LOCK HARDWARE MFG. & SERIES
HINKLEY SIGNATURE SERIES LATCH
KNOXVIEW SIGNATURE SERIES 750 DEADBOLT

PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: <i>Rgw</i> BUILDING CONSULTANTS, INC. P.O. Box 230 Vero Beach, FL 33598 Phone No.: 813/659-9197 Florida Board of Professional Engineers Certificate of Authorization No. 9813 Lyndon F. Schmidt, P.E., No. 43409	
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		DATE: 2/21/12 SCALE: N.T.S. DRW. BY: JKS CHECKED BY: LFS DATE: 2/21/12 FL-15227-5-68	
REVISIONS:			

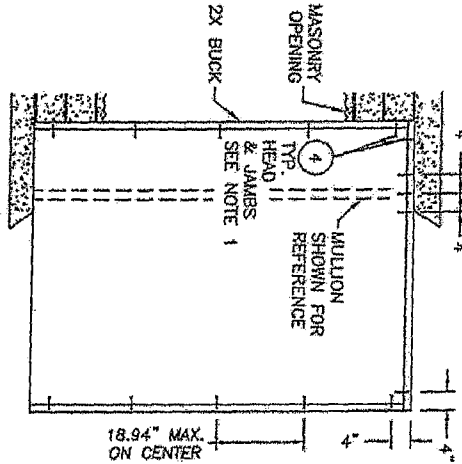
FL 15227-5-68



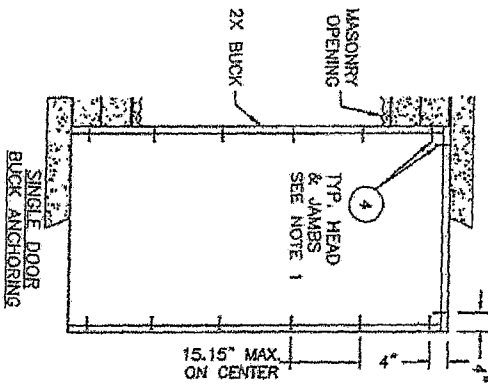
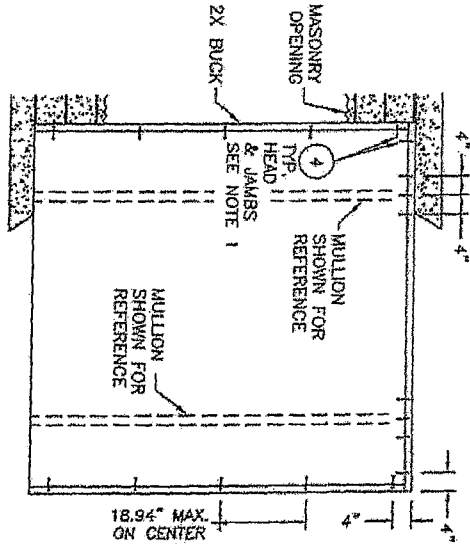
DOUBLE W/SIDE LITES
BUCK ANCHORING



SINGLE W/SIDE LITE
BUCK ANCHORING



SINGLE W/SIDE LITES
BUCK ANCHORING

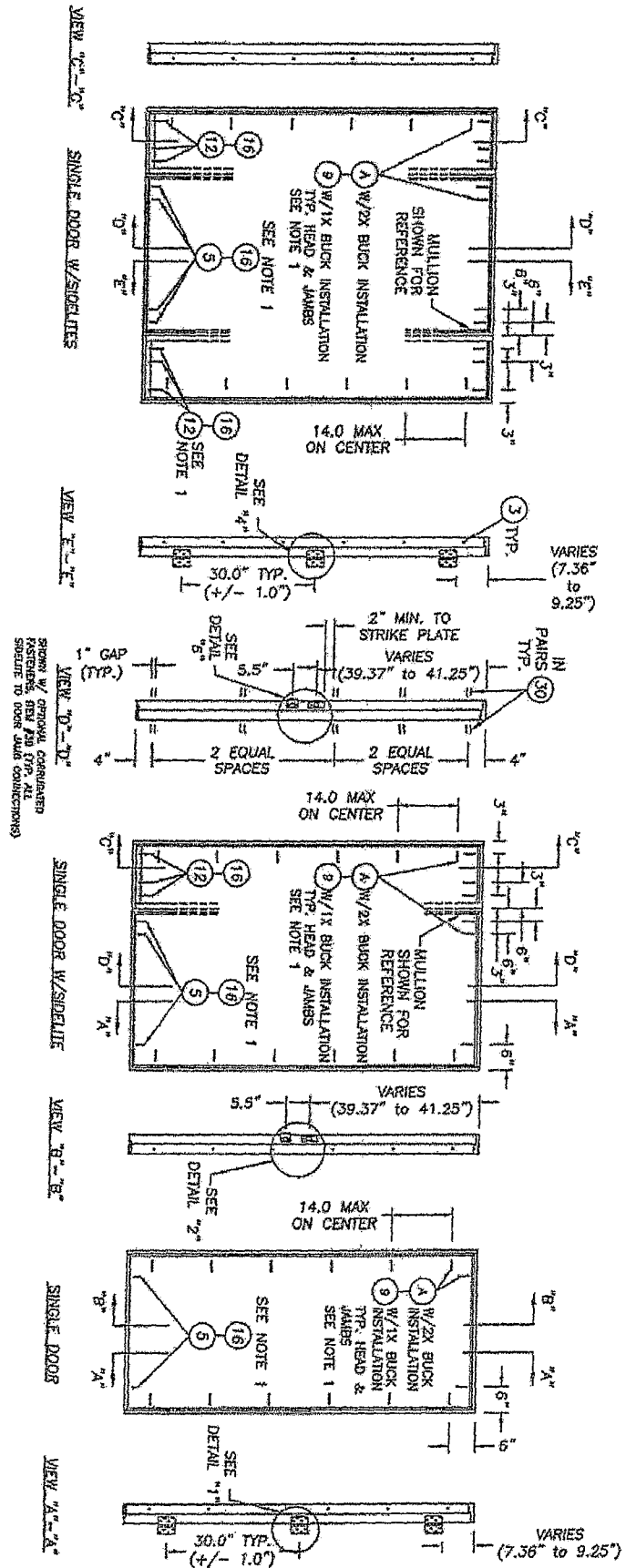


NOTES:

1. 1/4" Eco Concrete screws anchoring 2x buck require a minimum 1" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 4" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners, at mullion locations, and at astragal locations may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
2. 2x buck min. S.G. ≥ 0.55 .

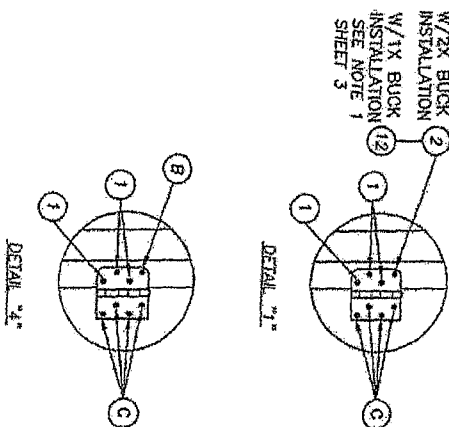
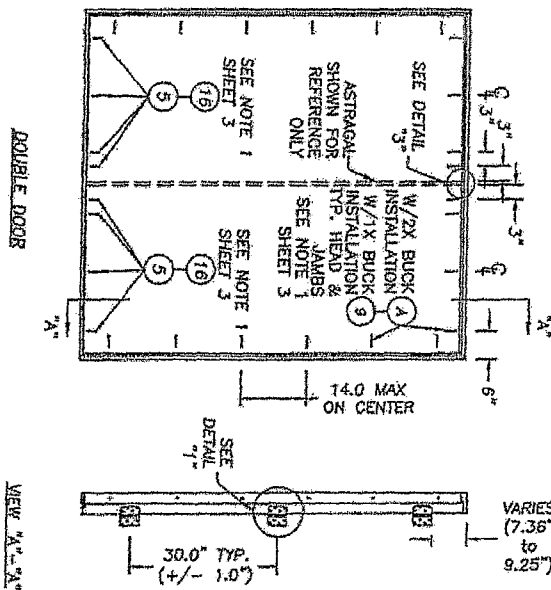
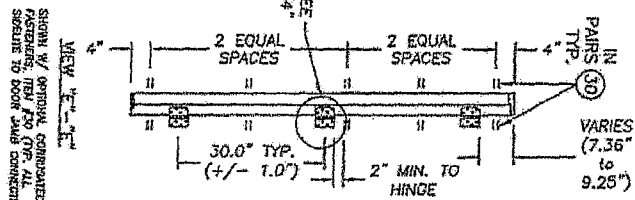
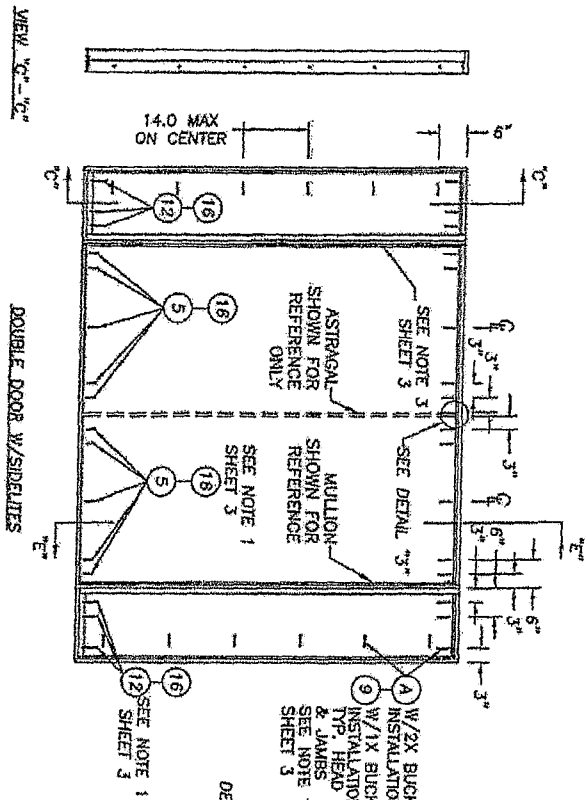
DATE 2/21/12 SCALE N.T.S. DWG. BY JJK CHECKED BY LSS DESIGNED BY FL-15227.5-68 SHEET 2 OF 6		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: BUILDING CONSULTANTS, INC. P.O. Box 230 Vero Beach, FL 33590 Phone No. 813.659.9197 Florida Board of Professional Engineers Certificate of Authorization No. 9813 2-21-12 Lyndon F. Schmidt, P.E. No. 43409	
PART OR ASSEMBLY: BUCK ANCHORING		NO. DATE REVISIONS		BY	

- NOTES:**
1. 1/4" NYW concrete screws anchoring frame and/or sill require a minimum 2-1/2" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 3" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners, and at mullion locations, may be adjusted to maintain the minimum edge distance to maintain the minimum edge distance to mullion joints, additional concrete screws may be required to ensure the minimum on center dimension is not exceeded.
 2. 3/16" NYW concrete screws anchoring frame and/or sill require a minimum 2-5/8" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 2-1/4" clearance to adjacent concrete screws unless otherwise noted by concrete screw manufacturer.
 3. The saddle is direct set into the jamb with (12) #8 x 27 pin wood screws. There are (4) of each vertical jamb, from the top down of 13.5", 31", 48.5" & 66". There are (2) of the header of 4" from the outside corners of the frame. There are (2) of the sill, 4" from the outside corners.
 4. For optional saddle construction with staples, saddle is direct set into the jamb with (4) 7/8" x 1-3/4" 16 ga staples along each jamb (6" from ends and equally spaced thereafter).

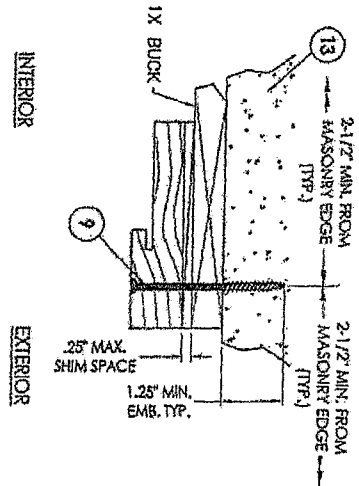


PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: RWBC BUILDING CONSULTANTS, INC. P.O. Box 230 Vero Beach, FL 33595 Phone No.: 813.856.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 07-2010 Lyndon F. Schnidt, P.E. No. 43406	
PART OR ASSEMBLY: FRAME ANCHORING		DATE: 2/21/12 SCALE: N.T.S. DRW. BY: JK CHECK BY: LFS DESIGNED BY: N/A FL-15227.5-68 SHEET 3 OF 8	
REVISIONS		NO. DATE	

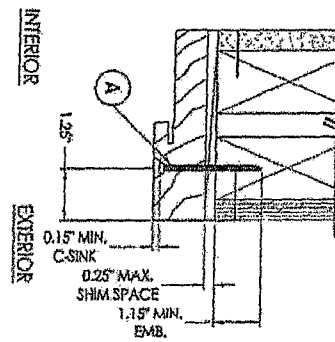
Item	DESCRIPTION	Material
A	#10 x 2-1/2" PFH WOOD SCREW	STEEL
B	#10 x 1-3/4" PFH WOOD SCREW	STEEL
C	#10 x 1" PFH WOOD SCREW	STEEL
1	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)	STEEL
2	#10 x 2" LG. PFH WOOD SCREW	STEEL
3	#8 x 2-1/2" LG. PFH WOOD SCREW	STEEL
4	1/4" x 2-3/4" PFH ELOO CONCRETE SCREW	STEEL
5	1/4" x 1-3/4" IW PFH CONCRETE SCREW	STEEL
9	1/4" x 3-3/4" IW PFH CONCRETE SCREW	STEEL
11	3/16" x 3-1/4" IW PFH CONCRETE SCREW	STEEL
12	1/4" x 3-1/4" IW PFH CONCRETE SCREW	STEEL
13	MASONRY - 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
16	1/4" x 2-1/4" PFH IW CONCRETE SCREW	STEEL
20	HEADER JAMB (4.656" X 1.25" THERMA-TRU, SUGAR PINE) SG >= 0.34	WOOD
21	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
30	1/2" x 1" x 25 GA. CORRUGATED FASTENER	STEEL



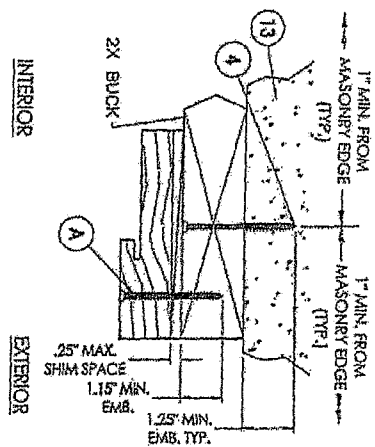
PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By R/W BUILDING CONSULTANTS, INC. P.O. Box 230 Vero Beach, FL 33565 Phone No. 813.659.3187 Florida Board of Professional Engineers Certificate of Authorization No. 9513 Lyndon F. Schmitt, P.E. No. 43408	
PART OR ASSEMBLY: FRAME ANCHORING & BILL OF MATERIALS		DATE: 2/21/12 SCALE: N.T.S. CHK. BY: JFS DESIGNED BY: JFS FL-15227.5-88 SHEET 4 OF 6	
REVISIONS NO. DATE BY			



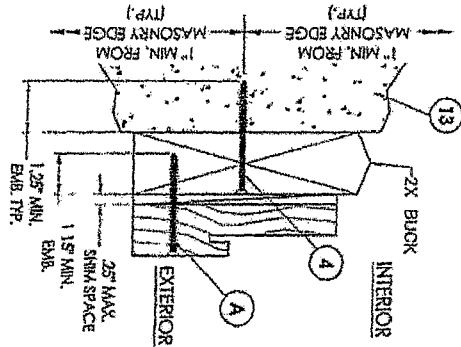
1 HEAD JAMB
to 1x sub-buck
hewing shown



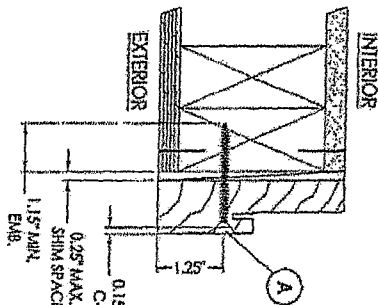
2 HEAD JAMB
to wood frame
hewing shown



3 HEAD JAMB
to 2x sub-buck
hewing shown

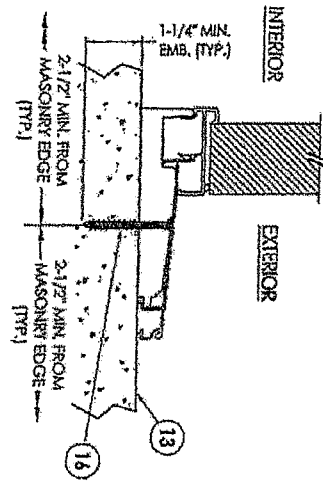


4 VERTICAL SIDE JAMB
to 2x sub-buck
hewing shown

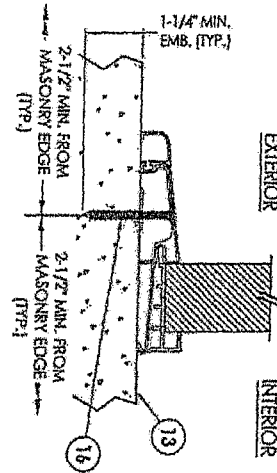


5 VERTICAL SIDE JAMB
to wood frame
hewing shown

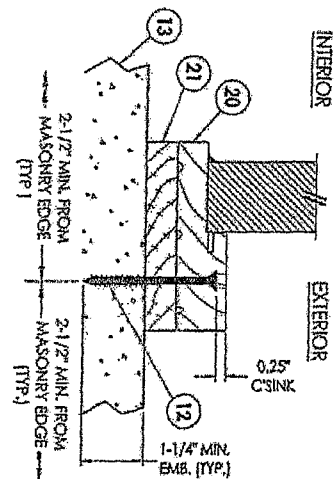
PRODUCT: THERMA-TRU FIBERGLASS DOOR				Documents Prepared By: <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230 Vero Beach, FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 <i>FL-2-2-12</i> Lyndon F. Schmidt, P.E. No. 43409			
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS				DATE: 2/21/12 DRAWN: N.T.S. CHK. BY: J.K. LFS FL-15227-S-68 SHEET 5 of 5			
REVISIONS NO. DATE BY				2012 R.W. BUILDING CONSULTANTS INC.			



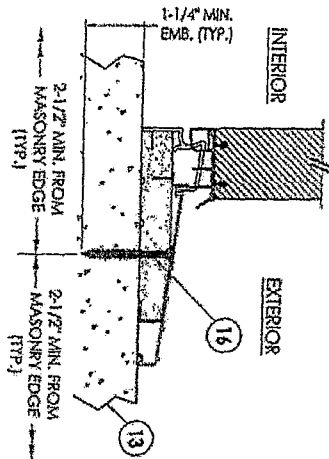
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6
VERTICAL CROSS SECTION
Inswing configuration



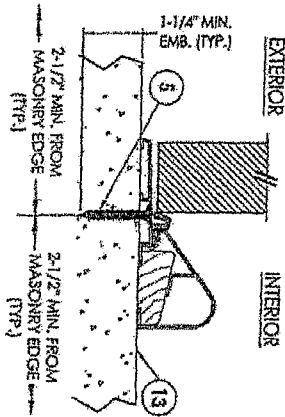
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6
VERTICAL CROSS SECTION
Outswing configuration



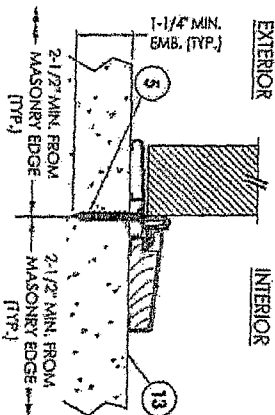
3
6
VERTICAL CROSS SECTION
Inswing configuration



4
6
VERTICAL CROSS SECTION
Inswing configuration



5
6
VERTICAL CROSS SECTION
Outswing configuration



6
6
VERTICAL CROSS SECTION
Outswing configuration

SHEET 6 OF 6 FL-15227.5-03		DATE 2/21/12 SCALE N.T.S. DWG. BY JK CHK. BY LFS DRAWING 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NOTES:

1. RECALL SHOWN, CELEBRITY, AMERICAN 100, CS, OR CSL SERIES MAY BE SUBSTITUTED.
2. REFERENCE DRAWING ROW-3-1607 SHEET 2 OF 2 FOR HARDWARE REQUIREMENTS.
3. STRUTS ATTACHED WITH 2 SELF DRILLING SCREWS.
4. 1/4" SECTION HINGE OR DOOR CONSTRUCTION MAY BE CONSTRUCTED UP TO A MAXIMUM OF 4" HINGE, USING SAME PANEL CONSTRUCTION AS SHOWN (MAXIMUM SECTION HEIGHT OF 21").
5. 8 SECTION HIGH DOORS REQUIRE HALF-INCH VERTICAL TRACK.
6. MINIMUM STEEL THICKNESS FOR SECTION IS 25 GA. (0.0185").
7. SECTION HINGES 1400X20375 (16 X20375, 14X41, OR SECTIONS) CENTER STILES MUST BE THE SAME.
8. TORSION SPRINGS OR EXTENSION SPRINGS AVAILABLE.
9. LOCK MUST BE ATTACHED AT EACH SIDE OF THE DOOR.
10. CAM & BAR LOCKS OR AN OFFERER MAY BE SUBSTITUTED.
11. WOOD MOUNT SHOWN, STEEL AND MASONRY ANGLE AND REVERSE ANGLE MOUNT AVAILABLE. NUMBER OF JAMB BRACKET ANCHOR LOCATIONS MUST BE THE SAME.
12. JAMB DETAIL IN ACCORDANCE WITH DWG. # ROW-0001
13. STRUT PLACEMENT SHOWN IS TYPICAL. TOP STRUTS ARE OVER THE HINGES AS SHOWN (USING THE HOLES PROVIDED IN THE HINGE). BOTTOM STRUTS ARE JUST ABOVE THE TOP OF THE HINGES. SEE DETAIL E.
14. THIS DOOR HAS NOT BEEN TESTED FOR WIND-BORNE DEBRIS.
15. USE THIS DRAWING IN CONJUNCTION WITH INSTALLATION INSTRUCTIONS. WHERE THE DRAWING CONFLICTS WITH OTHER INSTALLATION INSTRUCTIONS, THIS DRAWING GOVERNS.

Strut Requirements

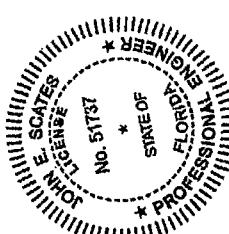
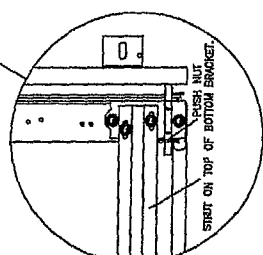
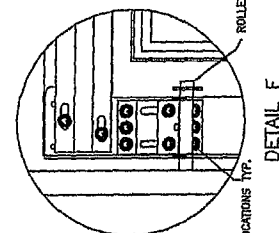
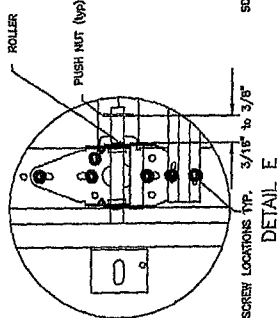
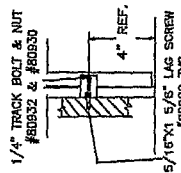
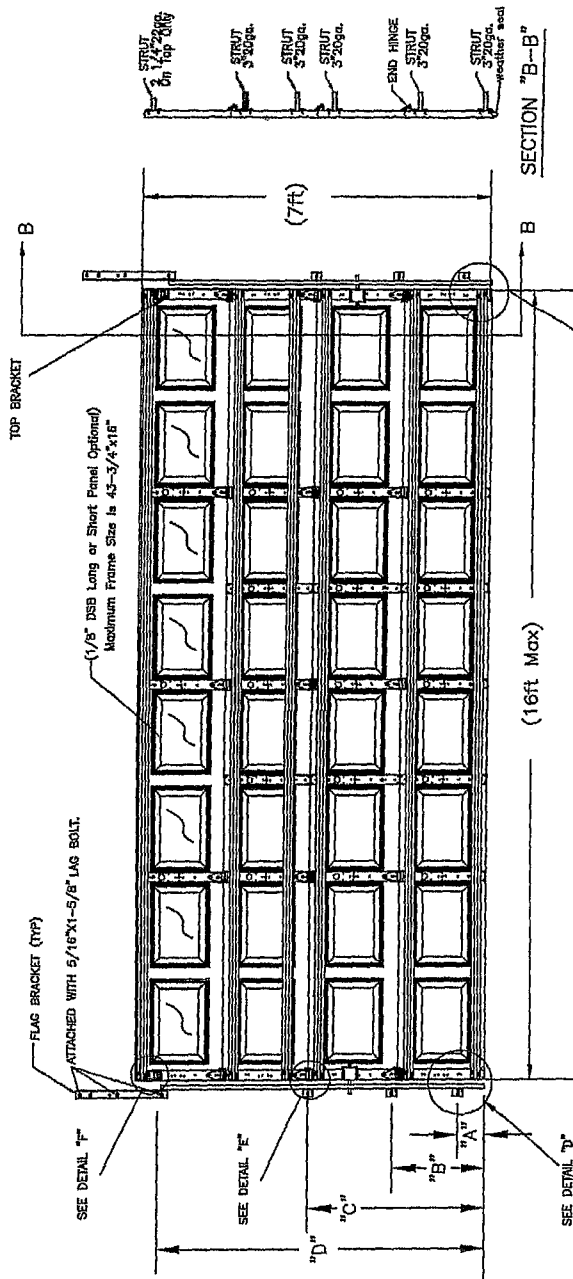
# sections	2-1/4"	3"
4	1	5
5	1	7
6	1	8
7	1	10
*8	1	11

*SEE NOTE 4

Track Bracket Locations

DOOR HEIGHT	"A"	"B"	"C"	"D"
6'-8" thru 7'-0"	4"	21"	42"	X
7'-6" Thru 8'-9"	4"	21"	42"	60"

For Doors over 9' high one jamb bracket per section must be added and positioned within 3' of the roller.



DESIGN LOAD +18.5/-20.7
TEST LOAD +27.75/-31.05

This product was tested/evaluated in accordance with ANSI/DASMA 108-05

NOTES: THIS DRAWING AND / OR TECHNICAL INFORMATION ON THIS SHEET IS THE PROPERTY OF MID-AMERICA DOOR COMPANY AND IS LOANED IN CONFIDENCE FOR ENGINEERING AND MUTUAL ASSISTANCE PURPOSES ONLY, AND MAY NOT BE REPRODUCED OR USED TO MANUFACTURE ANYTHING DISCLOSED HEREON WITHOUT THE EXPRESSED PERMISSION OF MID-AMERICA DOOR COMPANY.

Rev.	By	Date	Description	Rev.	By	Date	Description
1	WHS	04-26-04	INITIAL CHG. BAR	1	WHS	04-26-04	INITIAL CHG. BAR
2	WHS	04-26-04	INITIAL CHG. BAR	2	WHS	04-26-04	INITIAL CHG. BAR
3	WHS	04-26-04	INITIAL CHG. BAR	3	WHS	04-26-04	INITIAL CHG. BAR
4	WHS	04-26-04	INITIAL CHG. BAR	4	WHS	04-26-04	INITIAL CHG. BAR
5	WHS	04-26-04	INITIAL CHG. BAR	5	WHS	04-26-04	INITIAL CHG. BAR
6	WHS	04-26-04	INITIAL CHG. BAR	6	WHS	04-26-04	INITIAL CHG. BAR
7	WHS	04-26-04	INITIAL CHG. BAR	7	WHS	04-26-04	INITIAL CHG. BAR

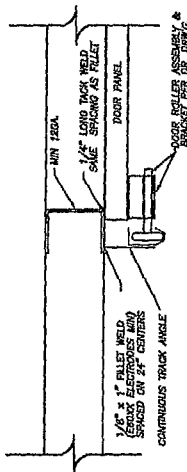
Mid-America Door Company
P.O. Box 100
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Tel: 519.326.1122
Fax: 519.326.1123
E-Mail: info@midam.com

John E. Scates, P.E.
Professional Engineer
License No. 122112
State of Florida
Expiration Date: 12/31/2012

REGAL CELEBRITY WINDLOAD SERIES
WINDLOAD CONSTRUCTION DETAILS
PWA, INC.
RCH-3-1607
OF 1

Notes:

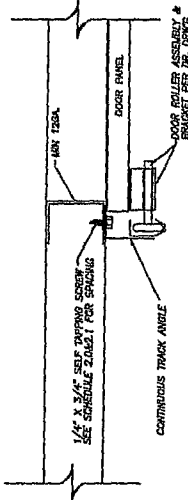
1. There are two approved methods for attachment of the door to the building.
 - A. Attaching a 2x6 to the building structure using schedules 1.0, 1.1, 1.2 or 1.3 (see pg 1 of 2).
 - B. Mount the track directly to the building structure using 2x6's attached to the building structure (see pg 2 of 2).
2. Determine the positive design windload for a particular door, rounded down, to the nearest 5 pounds per square foot. This load can be found on the bottom right corner of the appropriate drawing.
3. Anchors to be spaced evenly between the header and the floor.
4. First Anchor (bottom) starting at no more than half of the maximum on-center distance.
5. Top Anchor installed at least as high as the door opening.
6. Door must overlap a minimum of 7/16" per jamb. If the door does not overlap the jamb, then snap molding must be used and nailed on using #10 nails spaced not less than 9 inches apart. Headless finish nails may not be used.
7. Building engineer/architect is responsible for ensuring that the building structure is adequate for the loads applied.
8. More fasteners than shown on the door drawings may be required, the quantities shown on the drawings prevail.



STEEL JAMB FILLET WELD DETAIL

1. Use all necessary precautions when welding galvanized steel.
2. Welds to be evenly spaced between header and floor.
3. First (bottom) weld starting at no more than half of the maximum on-center distance. Highest weld at least as high as the door opening.
4. All welds should be performed by a certified welder or inspected by a certified welding inspector to verify the integrity of the weld.
5. Fillet welds should have a straight or convex face surface.
6. Tack weld top of the angle at the same spacing to prevent rotation of the track angle.
7. Cracks and pinholes shall be ground to a smooth contour and checked for soundness.

SOURCE: DASMA TDS 161



STEEL JAMB 1/4"x3/4" SELF TAPPING SCREW DETAIL

1/4"x3/4" SELF TAPPING SCREW CONNECTION SCHEDULE 2.0

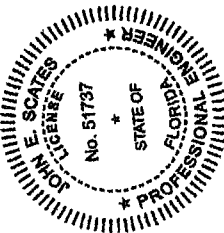
Design Load (PSF)	Opening Width (ft)									
	9'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"
10	24	24	24	24	24	24	24	24	24	24
15	24	24	24	24	24	24	24	24	24	24
20	24	24	24	24	24	24	24	24	24	24
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Table values referenced from DASMA TDS 161

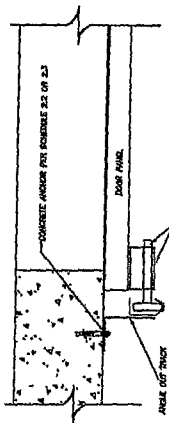
1/4"x3/4" SELF TAPPING SCREW CONNECTION SCHEDULE 2.1

Design Load (PSF)	Opening Width (ft)									
	9'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"
10	24	24	24	24	24	24	24	24	24	24
15	24	24	24	24	24	24	24	24	24	24
20	24	24	24	24	24	24	24	24	24	24
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45	24	24	24	24	24	24	24	24	24	24
50	24	24	24	24	24	24	24	24	24	24

Table values referenced from DASMA TDS 161



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MOUNT TO CONCRETE

DOOR FRAME PLATE CONNECTION SCHEDULE 2.2

Load Table Based on:
 ANKR-TITE Wedge bolt 3/8"x3-1/2" with 1-3/4" min embed.
 ANKR-TITE Stud bolt 3/8"x3-1/2" with 1-3/4" min embed.
 POWER STUD anchor 3/8"x3-1/2" with 1-5/8" min embed.
 POWER STUD/Anchor 3/8"x3-1/2" with 1-5/8" min embed.
 Minimum edge spacing at 2'-1/2" for all.

Design Load (PSF)	Opening Width (ft)									
	9'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"
10	24	24	24	24	24	24	24	24	24	24
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45	24	24	24	24	24	24	24	24	24	24
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Washer with a minimum of 5/8" OD or greater required on all fasteners.

DOOR FRAME PLATE CONNECTION SCHEDULE 2.3

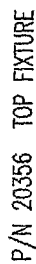
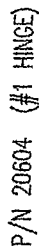
Load Table Based on:
 ITW Rammed Head Tapcon 1/4"x3" with 1-3/4" min embed
 ITW Rammed Head Tapcon 5/16"x3" with 1-3/4" min embed
 Minimum edge spacing of 2'-1/2" for all

Design Load (PSF)	Opening Width (ft)									
	9'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"
10	24	24	24	24	24	24	24	24	24	24
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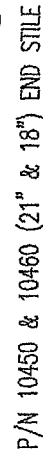
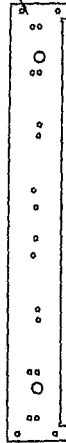
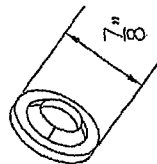
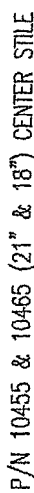
Washer with a minimum of 5/8" OD or greater required on all fasteners.

John E. Scates
 2/2/12
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 51737
 EXPIRATION DATE 12/31/2017

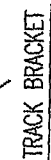
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CHECKED BY	MDL	DATE	01-12-12
APPROVED BY	MDL	DATE	01-12-12
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Jamb Plate Fastener Schedule			
TITLE			
Jamb Plate Fastener Schedule			
DWG. NO. ROWL-0001			
REV.			
3			
4			



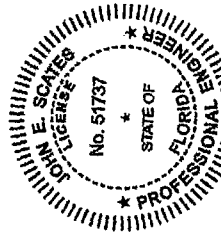
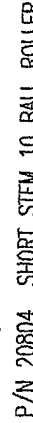
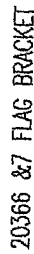
THICKNESS OF TRACK IS AS STATED BELOW
VERTICAL TRACK IS MIN. 16 GA. .058" MIN
HORIZONTAL TRACK IS MIN. 16 GA. .058" MIN



THICKNESS OF STRUTS ARE AS STATED BELOW	
2.25" 2P GAUGE	33 KSI MINIMUM YIELD
3" 2P GAUGE	50 KSI MINIMUM YIELD



BRACKET #	"Q"	PART NUMBER
4	3"	20368
5	3 1/4"	20370
6	3 1/2"	20372
7	3 3/4"	20374
8	4"	20376
9	4 3/4"	20378



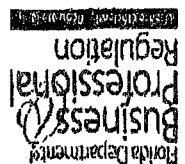
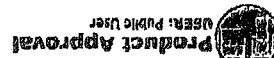
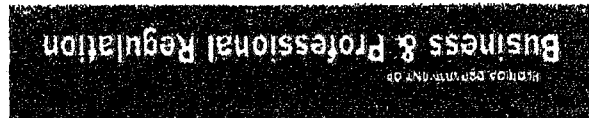
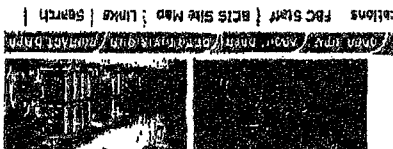
James E. Scott

PROFESSIONAL ENGINEER'S
SEAL PROVIDED ONLY FOR
VERIFICATION OF WINDLOAD
CONSTRUCTION DETAILS

P/N 20239 PLISH NIT

[illegible]

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Product Approval Menu > Product or Application Search > Application List > Application Details

FL #	FL11915-R3
Application Type	Revision
Code Version	2010
Application Status	Approved
Comments	
Archived	☐

Product Manufacturer
Atlas Roofing Corporation
2000 Riveredge Parkway
Suite 600
Atlanta, GA 30328
(770) 933-4477
etodd@atlasroofing.com

Authorized Signature

Ed Todd
etodd@atlasroofing.com

Technical Representative

Ed Todd
2000 Riveredge Pkwy
Suite 800
Atlanta, GA 30328
(770) 933-4477
etodd@atlasroofing.com

Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category

Roofing

Subcategory

Underlayments

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed
Florida Professional Engineer
Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who
developed the Evaluation Report

Robert Nieminen

Florida License
Quality Assurance Entity

PE-59166
UL LLC

Quality Assurance Contract Expiration Date

04/24/2015

Validated By

John W. Knezevich, PE

Certificate of Independence

FL11915-R3, COI, Truly FRD CI - Nieminen.pdf

Referenced Standard and Year (of Standard)

Standard
ASTM D1970
ASTM D224
ASTM D226
ASTM D2626
ASTM D4798

Year
2001
1996
2006
2004
2001

ASTM D4069	2005
ASTM D6380	2003
ASTM D6757	2007
TAS 103	1995
TAS 110	2000

Equivalence of Product Standards
Certified by

Sections from the Code

Product Approval Method
Method 1 Option B

Date Submitted
09/25/2012
Date Validated
12/06/2012
Date Pending FBC Approval
10/10/2012
Date Approved
12/11/2012

Summary of Products

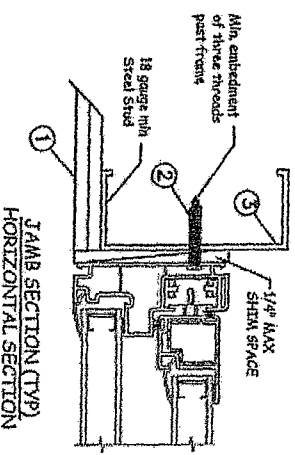
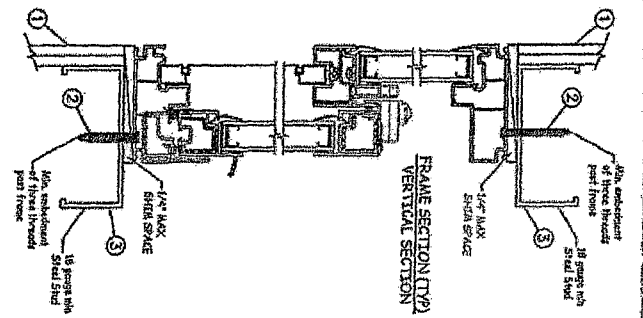
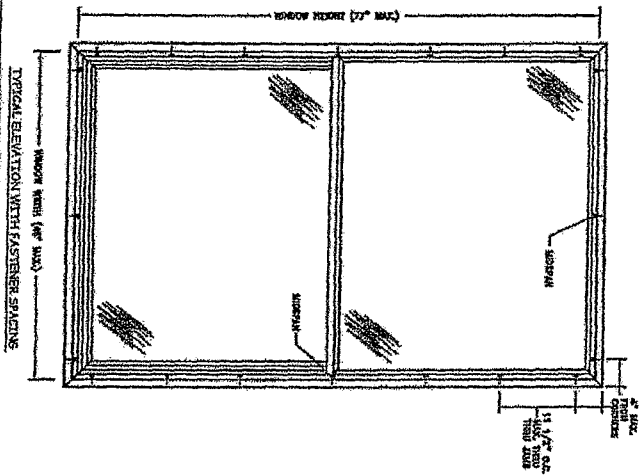
FL #	Model, Number or Name	Description
11915.1	Adas Roof Underlayments (HVHZ)	Roofing Underlayments for use in HVHZ jurisdictions
11915.2	Adas Roof Underlayments (non-HVHZ)	Roofing Underlayments for use in non-HVHZ jurisdictions

11915.1	Adas Roof Underlayments (HVHZ) Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: No Impact Resistance: N/A Design Pressure: N/A Other: Refer to ER Section 5 for limits of use.	Installation Instructions Underlayments HVHZ FL11915-R3.pdf Underlayments HVHZ FL11915-R3.pdf Evaluation Reports Created by Independent Third Party: Yes Verified By: Robert Nieminen PE-59166 FL11915 R3 AE 0120412FINAL ATLAS Created by Independent Third Party: Yes Underlayments HVHZ FL11915-R3.pdf
11915.2	Adas Roof Underlayments (non-HVHZ) Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistance: N/A Design Pressure: N/A/-45 Other: The DP noted herein pertains to use of self-adhering underlayments in adhesive-set (foam-on) tile systems only. Refer to ER Section 5 details and additional limits of use.	Installation Instructions Underlayments R3 II 01092312FINAL ATLAS Underlayments NON-HVHZ FL11915-R3.pdf Underlayments R3 AE 01092312FINAL ATLAS Underlayments NON-HVHZ FL11915-R3.pdf Evaluation Reports Created by Independent Third Party: Yes Verified By: Robert Nieminen PE-59166 FL11915 R3 AE 01092312FINAL ATLAS Underlayments NON-HVHZ FL11915-R3.pdf Created by Independent Third Party: Yes

Back Next

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Product Approval Accept:





STEEL INSTALLATION

BUILDERS VINYL SINGLE HUNG			
Max Frame	DP RATING	IMPACT	
48 x 77	+/- 50	NO	

Installation Notes:

1. Seal flange/frame to substrate.
2. For anchoring into metal framing, use #8 TEK Self Tapping screws with sufficient length to achieve a minimum embedment of three threads past the frame thickness. Locate anchors as shown in elevations and installation details. Steel substrate min. 18ga., fy = 33 ksi.
3. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

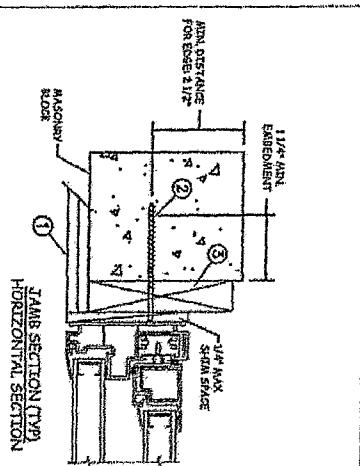
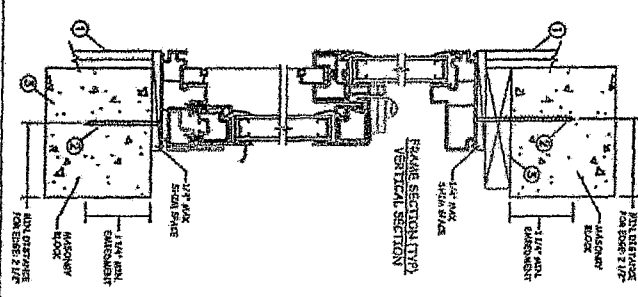
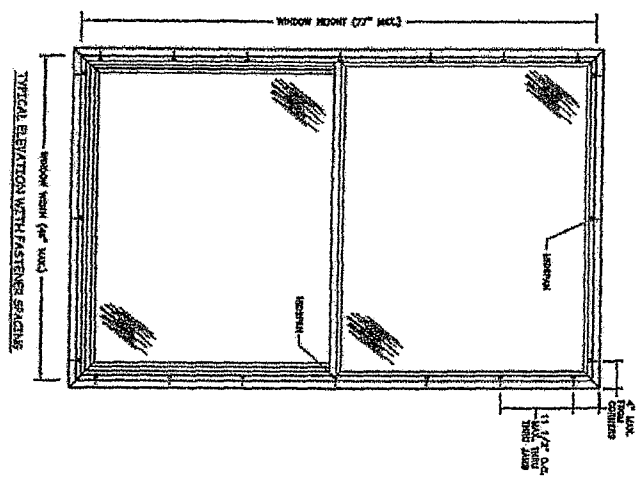
1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code(IBC), the International Residential Code(IRC), the Florida Building Code(FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing shall be single strength annealed insulating glass.
4. Use structural or composite sills where required.
5. Installation methods can be interchanged within the same opening.
6. An impact protective system is required where wind borne debris protection is mandated by local building code.
7. Maximum sizes are buck sizes and do not include fin or flange.

This schedule addresses only the fasteners required to anchor the window to achieve the rated design pressure up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the window or go to www.jeld-wen.com/resources/installation.

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		Alerts Styrud, P.E. Florida, Inc. 0810 382 East Pointe Parkway, Suite 300 Pompano Beach, FL 33069	
PROJECT ENGINEER	DATE: 11/30/2012	JELD-WEN 3250 Lakemont Blvd Klamath Falls, OR 97601 Phone: (541) 882-3451	
DRAWN BY: D. Vezo	SCALE: NTS		
CHECKED BY: J. Kantola	TITLE: Builders Vinyl Tilt Single Hung Steel Installation (48" x 77")		
APPROVED BY:			
PER/PROJECT NO: D008499 REVISION: 1 DATE: 11/30/12		COO DWG. NO: BldgVinylTilt RSN: 00 SHEET: 4 OF 4	



BUILDERS VINYL SINGLE HUNG			
Max Frame	DP RATING	IMPACT	
48 x 77	+/50	NO	

Installation Notes:

1. Seal flange/frame to substrate.
2. Use 3/16" Tapcon or equivalent fasteners through frame with sufficient length to penetrate a minimum of 1 1/4" into concrete or masonry at each location with a 2 1/2" min from edge distance. For concrete (min. = 3000psi) or masonry (CMU) shall conform to ASTM C90.
3. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project or installation.

This schedule addresses only the fasteners required to anchor the window to achieve the rated design pressure up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the window or go to www.jeld-wen.com/resources/installation.

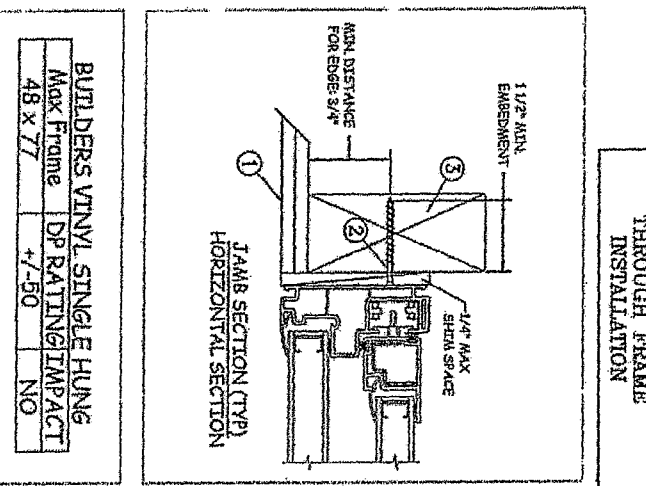
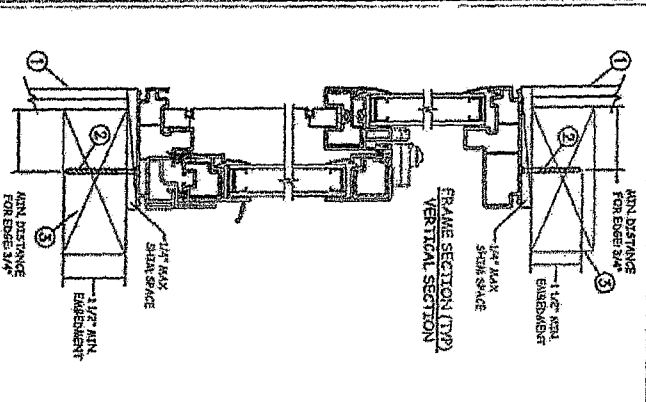
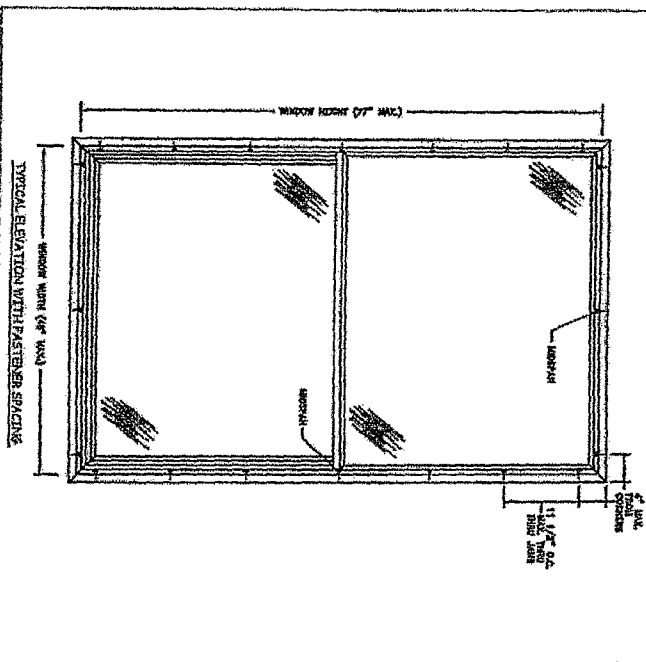
DISCLAIMER:

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General Notes:

1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code(IBC), the International Residential Code(IRC), the Florida Building Code(FBC) and the Industry Requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing shall be single strength annealed insulating glass.
4. Use structural or composite sills where required.
5. Installation methods can be interchanged within the same opening.
6. An impact protective system is required where wind borne debris protection is mandated by local building code.
7. Maximum sizes are buck sizes and do not include fin or flange.

		Alexis Spyrou, P.E. Florida No. 08101 State of Florida, Brevard County, State of Florida State of Florida, Brevard County, State of Florida	
PROJECT ENGINEER:	DATE:	SCALE:	TITLE:
D. Vezo	11/30/2012	NTS	JELD-WEN Builders Vinyl Tile Single Hung Masonry Installation (48" x 77")
DESIGNED BY:	CHECKED BY:	APPROVED BY:	
J. Kantoia			
PART NUMBER:		BUILD NAME AND LOCATION:	
D008499		S/W2012-202-FBC	
COP. ENG. NO.:		REV.:	SHEET:
BldgViewTSH		00	3 OF 4



- Installation Notes:**
1. Seal flange/frame to substrate.
 2. Use #8 PH or greater fastener through the frame with sufficient length to penetrate a minimum of 1 1/2" into the wood framing. For 2X wood frame substrate (min. S.G. = 0.42).
 3. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project or installation.

This schedule addresses only the fasteners required to anchor the window to achieve the rated design pressure up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the window or go to www.jeld-wen.com/resources/installation.

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12/28/12
Alexis Spivak, P.E.
Vice President, Sales
JELD-WEN Inc.
580 East 1st Avenue, Suite 300
Pueblo, CO 81004

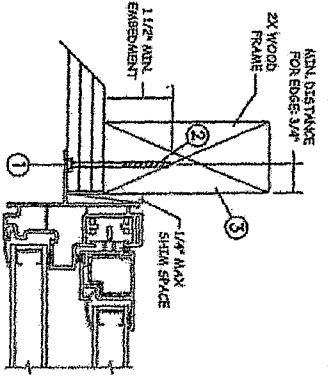
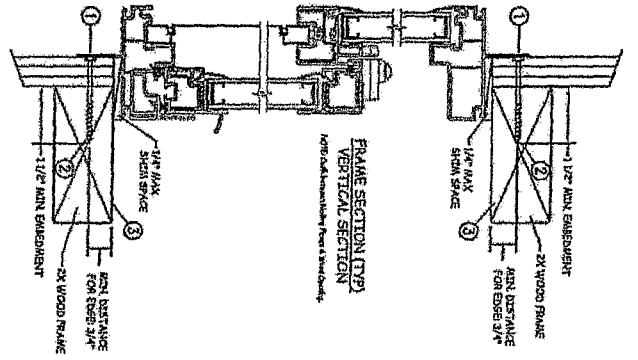
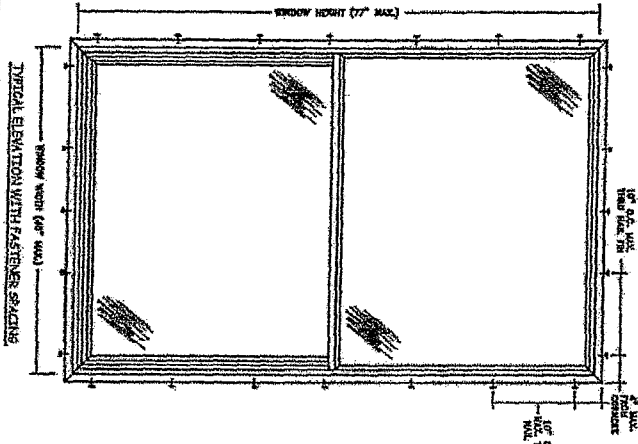
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D. Vezio	NTS
CHECKED BY:	TITLE:
J. Kantoia	
APPROVED BY:	
PROJECT/PRODUCT NO.:	
D008496	
INTERFERES TO:	
SW2012-202-FIC	

FASTENER AND LOCATION:	Q&A Dwg. No.:	REV:	SHEET
	8000000000	00	2 OF 4
BUILDERS VINYL TILT SINGLE HUNG Through Frame Installation (48" x 77") JELD-WEN 3250 Lakeside Blvd Klamath Falls, OR 97601 Phone: (541) 882-3451			

BUILDERS VINYL SINGLE HUNG			
Max Frame	DP RATING	IMPACT	
48 x 77	+/-50	NO	

FL 14104

NAIL FIN INSTALLATION



BUILDERS VINYL SINGLE HUNG		
Max Frame	DP RATING IMPACT	
48 x 77	+/-50	NO

- Installation Notes:**
1. Seal flange/frame to substrate.
 2. Use #8 Pk or greater fastener through the nail fin with sufficient length to penetrate a minimum of 1 1/2\"/>
 - 3. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

This schedule addresses only the fasteners required to anchor the window to achieve the rated design pressure up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the window or go to www.jeld-wen.com/resources/installation.

DISCLAIMER:
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11-18-14
Alexis Sproul, P.E.
Florida No. 8810
Dade Beach, FL 33004
568 Bant Drive Beach, FL 33004

PROJECT ENGINEER	DATE	11/30/2012
DRAWN BY	SCALE	NTS
CHECKED BY	TITLE	
APPROVED BY		
PROJECT NO.		
DRAWING NO.		
PLANT NAME AND LOCATION		
OLD DWG. NO.	REV.	SHEET
10/10/10/10	00	1 OF 4

JELD-WEN
3250 Lakeport Blvd
Klamath Falls, OR 97601
Phone: (541) 882-3451

Builders Vinyl Tilt Single Hung
Nail Fin Installation (48" x 77")