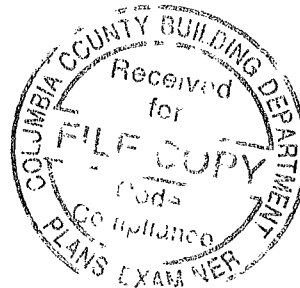


FL# 13192.1

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.



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.



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:
 - i. Score and snap
 - ii. Shears (manual, electric or pneumatic)
- b. Better:
 - i. Dust reducing circular saw equipped with a Hardieblade™ saw blade and HEPA vacuum extraction
- c. Good:
 - i. Dust reducing circular saw with a Hardieblade saw blade (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 Hardieblade 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.cemboardsiding.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.

SD-050105

GENERAL REQUIREMENTS:

- Cemplank® 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.
- Cemplank® 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-resistive barrier is required in accordance with local building code requirements. The water-resistive 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.
- Install Cemboard® 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 Cemboard products and roofs, decks, paths, steps and driveways (figs. 4, 5 & 6).
- Maintain a 1/4" clearance between Cemboard 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 Cemboard products, such that they may remain in contact with standing water.
- Cemplank® lap siding must be installed on vertical wall applications only.
- DO NOT use stain on Cemboard products.

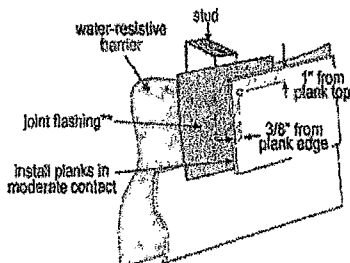
INSTALLATION:

JOINT TREATMENT*

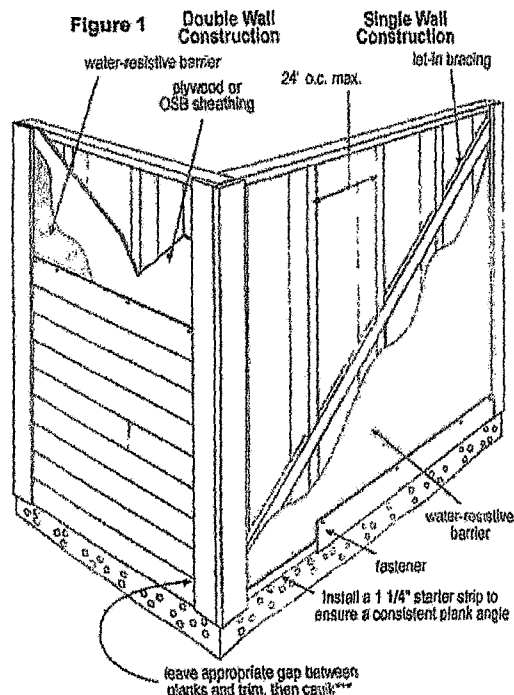
(Required for Factory Built Color Finish, Recommended for Primed product)

It is not recommended to use caulk at field butt joints.

Figure 2



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

Cemboard® 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 Hardieblade™ saw blade and dust-reducing circular saw attached to a HEPA vacuum; (3) warn 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 vacuums or wet cleanup methods - never dry sweep. For further information, refer to our Installation Instructions and Material Safety Data Sheet available at www.cemboardsiding.com or by calling 1-877-236-7520. FAILURE TO ADHERE TO OUR WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

SD-050105

Business & Professional Regulation

Florida Department of
Business & Professional
Regulation

BCIS Home : Log In : User Registration : Hot Topics : Submit Surcharge : Stats & Facts : Publications : FBC Staff : BCIS Site Map : Links : Search



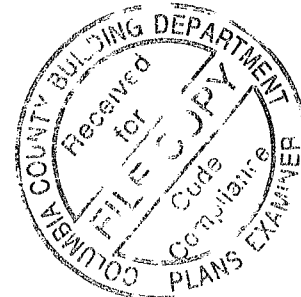
Product Approval
USER: Public User

Unsubscribed, 06/01/2015

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

OFFICE OF THE
SECRETARY

FL #	FL11915-R3												
Application Type	Revision												
Code Version	2010												
Application Status	Approved												
Comments													
Archived	☐												
Product Manufacturer	Atlas Roofing Corporation												
Address/Phone/Email	2000 RiverEdge Parkway Suite 800 Atlanta, GA 30328 (770) 933-4477 etodd@atlasroofing.com												
Authorized Signature	Ed Todd etodd@atlasroofing.com												
Technical Representative	Ed Todd												
Address/Phone/Email	2000 Riveredge Plkwy Suite 800 Atlanta, GA 30328 (770) 933-4477 etodd@atlasroofing.com												
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	PE-59166												
Quality Assurance Entity	UL LLC												
Quality Assurance Contract Expiration Date	04/24/2015												
Validated By	John W. Knezavich, PE ☒ Validation Checklist - Hardcopy Received												
Certificate of Independence	FL11915_R3_COI_Timothy ERD CL - Nieminen.pdf												
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ASTM D1970</td> <td>2001</td> </tr> <tr> <td>ASTM D224</td> <td>1996</td> </tr> <tr> <td>ASTM D226</td> <td>2006</td> </tr> <tr> <td>ASTM D2626</td> <td>2004</td> </tr> <tr> <td>ASTM D4798</td> <td>2003</td> </tr> </tbody> </table>	Standard	Year	ASTM D1970	2001	ASTM D224	1996	ASTM D226	2006	ASTM D2626	2004	ASTM D4798	2003
Standard	Year												
ASTM D1970	2001												
ASTM D224	1996												
ASTM D226	2006												
ASTM D2626	2004												
ASTM D4798	2003												



ASTM D4869	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 D

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	Atlas Roof Underlayments (HVHZ)	Roofing Underlayments for use in HVHZ jurisdictions
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: No Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER Section 5 for limits of use.		Installation Instructions FL11915 R3 II er120412FINAL ATLAS Underlayments HVHZ FL11915-R3.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL11915 R3 AE er120412FINAL ATLAS Underlayments HVHZ FL11915-R3.pdf Created by Independent Third Party: Yes
11915.2	Atlas Roof Underlayments (non-HVHZ)	Roofing Underlayments for use in non-HVHZ jurisdictions
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: 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 FL11915 R3 II er092512FINAL ATLAS Underlayments NON-HVHZ FL11915-R3.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL11915 R3 AE er092512FINAL ATLAS Underlayments NON-HVHZ FL11915-R3.pdf Created by Independent Third Party: Yes

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[Next](#)

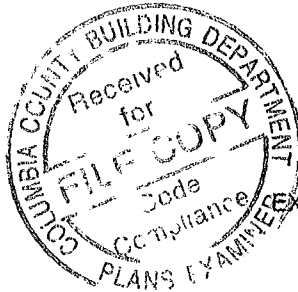
Contact Us :: 1946 North Monroe Street, Tallahassee FL 32309 Phone: 850-487-1824

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 Pursuant to Section 435.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The email(s) provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public.
 To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





EXTERIOR RESEARCH & DESIGN, LLC.
Certificate of Authorization #9503
353 CHRISTIAN STREET, UNIT #13
OXFORD, CT 06478
PHONE: (203) 262-9245
FAX: (203) 262-9243

EVALUATION REPORT

Atlas Roofing Corporation
2000 River Edge Parkway
Atlanta, GA 30328

Evaluation Report A12630.12.08-HVHZ-R6

FL11915-R3

Date of Issuance: 12/23/2008

Revision 6: 12/04/2012

SCOPE:

This Evaluation Report is issued under Rule 9N-3 and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code and Florida Building Code, Residential Volume. The products described herein have been designed to comply with the 2010 Florida Building Code (HVHZ).

DESCRIPTION: Atlas Roof Underlayments (HVHZ)

LABELING: Each unit shall bear labeling in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. if the product changes or the referenced Quality Assurance documentation changes. Trinity|ERD requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Evaluation Report number preceded by the words "Trinity|ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 7.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 12/04/2012. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client.

CERTIFICATION OF INDEPENDENCE:

1. Trinity|ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. Trinity|ERD is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.



ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing

Sub-Category: Underlayment

Compliance Statement: Atlas Roof Underlayments, as produced by Atlas Roofing Corporation, have demonstrated compliance with the following sections of the Florida Building Code (HVHZ) through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1518.4, RAS 115, RAS 118, RAS 119, RAS 120	Physical Properties	ASTM D226	2006
1507.2.4, 1507.2.9.2, 1507.5.3	Physical Properties	ASTM D1970	2001
1518.4, RAS 115, RAS 118, RAS 119, RAS 120	Physical Properties	ASTM D2626	2004
TAS 110, RAS 118, RAS 119, RAS 120	Physical Properties	ASTM D6380	2003
1523.1.1	Physical Properties	TAS 110	2000
TAS 110	Physical Properties	ASTM D224	1996
1523.6.5.2.1	Physical Properties	TAS 103	1995
TAS 110	Accelerated Weathering	ASTM D4798	2001

3. REFERENCES:

Entity	Examination	Reference	Date
Atlas	Traceability	Cross-Listing	03/11/2009
PRI (TST 5878)	TAS 103	NEI-006-02-01	08/12/2003
PRI (TST 5878)	TAS 103 / ASTM D4798	NEI-045-02-01	05/10/2007
PRI (TST 5878)	ASTM D226	ATL-033-02-01	08/16/2007
PRI (TST 5878)	Tensile Adhesion / LTA	NEI-046-02-01	09/17/2007
PRI (TST 5878)	ASTM D1970	NEI-029-02-01	10/19/2007
PRI (TST 5878)	TAS 103 / ASTM D4798	NEI-045-02-01	03/17/2008
PRI (TST 5878)	TAS 103 / ASTM D4798	NEI-053-02-01	04/30/2008
PRI (TST 5878)	ASTM D1970	NEI-062-02-01	01/14/2009
PRI (TST 5878)	TAS 103 / ASTM D4798	NEI-076-02-01	02/14/2011
PRI (TST 5878)	ASTM D1970 / ASTM D4798	ATL-088-02-01	08/29/2012
PRI (TST 5878)	ASTM D1970	ATL-089-02-01	08/29/2012
PRI (TST 5878)	TAS 103	ATL-090-02-01	08/29/2012
UL (TST 1740)	ASTM D1970	02-NK40952	02/27/2003
UL (TST 1740)	ASTM D226	02-NK40952	02/27/2003
UL (TST 1740)	ASTM D2626	02-NK40952	02/27/2003
UL (TST 1740)	ASTM D4869	02-NK40952	02/27/2003
UL (TST 1740)	ASTM D6757	02-NK40952	02/27/2003
UL (TST 1740)	ASTM D6380	02-NK40952	02/27/2003
UL (TST 1740)	ASTM D6757	08CA18320	04/25/2008
ICC-ES (EVL 2396)	IBC Compliance	ESR-1783	06/01/2011
ICC-ES (EVL 2396)	IBC Compliance	ESR-3123	12/01/2011
Miami-Dade (CER 1592)	HVHZ Compliance	08-1006.03	01/28/2009
Miami-Dade (CER 1592)	HVHZ Compliance	10-0413.03	07/21/2010
Miami-Dade (CER 1592)	HVHZ Compliance	11-1110.12	02/09/2012
Polyfoam Products	Tensile Adhesion	Polyfoam List	04/02/2009
UL, LLC. (QUA9625)	Quality Control	File No. TGDY.R14902	07/19/2008
UL, LLC. (QUA9625)	Quality Control	File No. R25794	02/06/2009
UL, LLC. (QUA9625)	Quality Control	Inspection Report	02/22/2012
UL, LLC. (QUA9625)	Quality Control	MLA, R25794	07/06/2012



4. PRODUCT DESCRIPTION:

- 4.1 #15 SPECIFICATION FELT is an ASTM D226 Type I asphalt-saturated organic felt.
- 4.2 #30 SPECIFICATION FELT is an ASTM D226 Type II asphalt-saturated organic felt.
- 4.3 #43 BASE SHEET is an ASTM D2626 asphalt-saturated and coated organic felt.
- 4.4 GORILLA GUARD® is a glass mat reinforced, asphalt-saturated roofing underlayment that meets the performance requirements for an ASTM D226, Type I organic felt.
- 4.5 WEATHERMASTER™ GRANULAR ICE & WATER PROTECTION is an ASTM D1970 self-adhering, glass mat reinforced, granular surfaced, SBS modified roof underlayment.
- 4.6 WEATHERMASTER™ POLYSEAL is an ASTM D1970 self-adhering, poly-fabric surfaced, high-temp, SBS modified roof underlayment.
- 4.7 WEATHERMASTER™ TU ULTRA is a TAS 103 / ASTM D1970 self-adhering, woven polyester surfaced, SBS modified tile underlayment.
- 4.8 WEATHERMASTER™ GRANULAR SE is a self-adhering, non-woven-fiberglass reinforced, granule surfaced, SBS modified roof underlayment.
- 4.9 WEATHERMASTER™ GRANULAR SE 200 is a self-adhering, non-woven-fiberglass reinforced, granule surfaced, SBS modified roof underlayment.
- 4.10 WEATHERMASTER POLYSEAL SE is a self-adhering, non-woven-fiberglass reinforced, poly-fabric surfaced, SBS modified roof underlayment.
- 4.11 #55 SMOOTH ROLL ROOFING is an ASTM D6380, Class S / ASTM D224 asphalt-saturated organic roll roofing sheet that meets the performance requirements of ASTM D2626.
- 4.12 SLATE/TILE UNDERLAYMENT is an ASTM D6380, Class M asphalt-saturated organic roll roofing sheet.
- 4.13 #90 MINERAL SURFACE ROLL ROOFING is an ASTM D6380, Class M asphalt-saturated organic roll roofing sheet.

5. LIMITATIONS:

- 5.1 Fire Classification is not part of this Laboratory Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.
- 5.2 #15 Specification Felt and Gorilla Guard can be used in any approved prepared roof assemblies where ASTM D226, Type I underlayment is specified and installed with prescribed approved fasteners and fastener densities.
- 5.3 #30 Specification Felt can be used in any approved prepared roof assemblies where ASTM D226, Type II underlayment is specified and installed with prescribed approved fasteners and fastener densities.
- 5.4 #43 Base Sheet and #55 Smooth Roll Roofing can be used in any approved prepared roof assemblies where ASTM D2626 underlayment is specified and installed with prescribed approved fasteners and fastener densities.
- 5.5 WeatherMaster™ Granular Ice & Water Protection, WeatherMaster™ Polyseal, WeatherMaster™ TU, WeatherMaster™ Granular SE and WeatherMaster™ Granular SE 200 can be used in any approved prepared roof assemblies where ASTM D1970 underlayment is specified.
- 5.6 WeatherMaster™ TU Ultra and WeatherMaster™ Polyseal SE can be used in any approved prepared roof assemblies where TAS 103 underlayment is specified.
- 5.7 #55 Smooth Roll Roofing can be used in any approved prepared roof assemblies where ASTM D6380 Class S / ASTM D224 underlayment is specified.



5.8 Slate/Tile Underlayment and #90 Mineral Surface Roll Roofing can be used in any approved prepared roof assemblies where ASTM D6380, Class M underlayment is specified and installed with prescribed adhesives (e.g., D312, type IV hot asphalt).

5.9 Allowable prepared roof covers applied atop Atlas Roof Underlayments (HVHZ) are follows:

Table 1: Roof Cover Options for Atlas Roof Underlayments (HVHZ)						
Underlayment	Asphalt Shingles	Nail-On Tile	Foam-On Tile	Metal	Wood Shakes & Shingles	Slate
#15 Specification Felt	Yes: 2 layers	No	No	Yes: 2 layers	Yes: 2 layers	Yes: 2 layers
#30 Specification Felt	Yes	Yes: Base Layer	Yes: Base Layer	Yes	Yes	Yes
#43 Base Sheet	Yes	Yes: Base Layer	Yes: Base Layer	Yes	Yes	Yes
Gorilla Guard	Yes: 2 layers	No	No	Yes: 2 layer	Yes: 2 layer	Yes: 2 layers
WeatherMaster Granular Ice & Water Protection	Yes	No	No	Yes	Yes	Yes
WeatherMaster Polyseal	Yes	No	No	Yes	Yes	Yes
WeatherMaster TU Ultra	Yes	Yes	Yes Top Layer See 5.9.1	Yes	Yes	Yes
WeatherMaster Granular SE or WeatherMaster Granular SE 200	Yes	No	No	Yes	Yes	Yes
WeatherMaster Polyseal SE	Yes	Yes	Yes Top Layer See 5.9.1	Yes	Yes	Yes
#55 Smooth Roll Roofing	Yes	Yes: Base Layer	Yes: Base Layer	Yes	Yes	Yes
Slate / Tile Underlayment	Yes: Top Layer	Yes: Top Layer	Yes: Top Layer See 5.9.1	No	Yes: Top Layer	Yes: Top Layer
#90 Mineral Surface Roll Roofing	Yes: Top Layer	Yes: Top Layer	Yes: Top Layer See 5.9.1	No	Yes: Top Layer	Yes: Top Layer

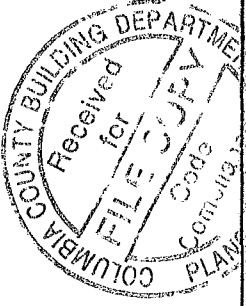
5.9.1 "Foam-On Tile" is limited to use of the following unless tensile adhesion / long term aging data from an accredited testing laboratory is provided.

- WeatherMaster TU Ultra: Convenience Products Touch 'n Seal StormBond Roof Tile Adhesive or Polyfoam PolyPro AH160.
- WeatherMaster Polyseal SE: Polyfoam PolyPro AH160.
- Slate / Tile Underlayment or #90 Mineral Surface Roll Roofing: Convenience Products Touch 'n Seal StormBond Roof Tile Adhesive, Dow TileBond or Polyfoam PolyPro AH160.

5.10 Exposure Limitations:

5.10.1 #15 Specification Felt, #30 Specification Felt, #43 Base Sheet and #55 Smooth Roll Roofing shall be covered as soon as possible after installation; exposure for more than 24 hours after installation could adversely affect performance

5.10.2 Gorilla Guard®, WeatherMaster™ Granular Ice & Water Shield, WeatherMaster™ Polyseal, WeatherMaster™ Granular SE, WeatherMaster™ Granular SE 200, Slate/Tile Underlayment and #90 Mineral Surface Roll Roofing shall not be left exposed for longer than 30-days after installation.



F2 14104

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

General Notes:

- 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.
- All glazing shall conform to ASTM E1300.
- At minimum, glazing shall be single strength annealed insulating glass.
- Use structural or composite shims where required.
- Installation methods can be interchanged within the same opening.
- An impact protective system is required where wind borne debris protection is mandated by local building code.
- Maximum sizes are buck sizes and do not include fin or flange.

Installation Notes:

- Seal flange/frame to substrate.
- Use #8 PH or greater fastener through the nail fin 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).
- 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:
This drawing and its contents are confidential and are not to be reproduced or copied in whole or in part or used or disclosed to others except as authorized by JELD-WEN Inc.

PROJECT ENGINEER		DATE	11/30/2012
DRAWN BY		SCALE	NTS
CHECKED BY		TITLE	
APPROVED BY			
PROJECT NO.		D008499	
SHEET NO.		SW2012-202-FBC	
SHEET		1 OF 1	

3238 Lakewood Blvd
Klamath Falls, OR 97601
Phone: (541) 882-2451

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

PLANT NAME AND LOCATION: Bldg/Vinyl/Hung

388 East Duane Beach, Bldg. Suite 388
Pasadena, CA 91104

Alexis Spyrton, P.E.
Florida, No. 88101

THERMA TRU®

THERMA TRU DOORS
116 INDUSTRIAL DR., COBURN, OH 43517

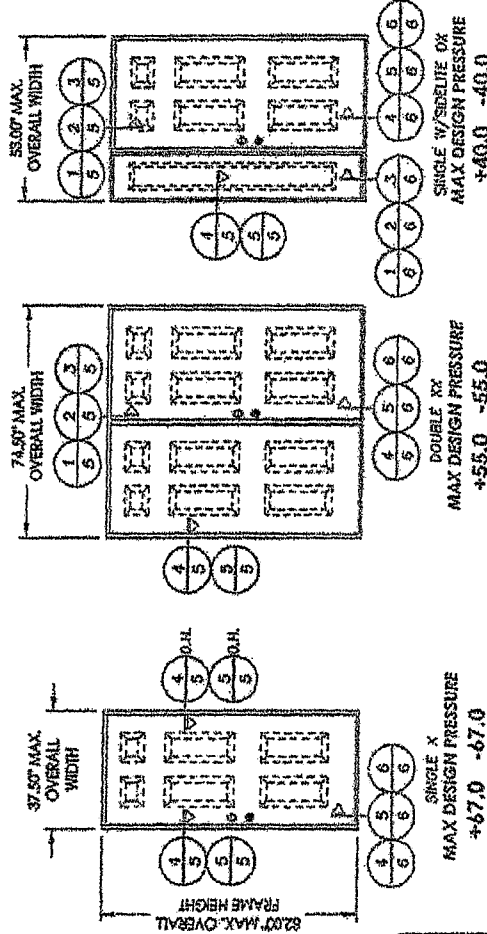
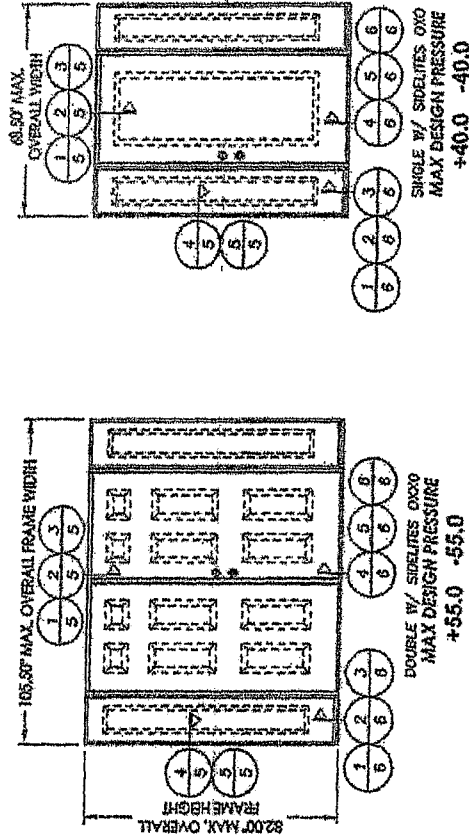
"Smooth-Star" and "Benchmark by Therma-Tru"

6'8" 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 size, specifications and ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing, stucco, foam, brick and other wall coverings.
3. Wood screws shall be installed following installation instructions of ANSI/APA 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" material that 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	Rock anchoring
3	Frame anchoring
4	Frame encasing & fill of materials
5	Horizontal & vertical cross sections
6	Vertical cross sections



LOCK HARDWARE MFG & SERIES
WHOLEST SIGNATURE SERIES LATCH
WHOLEST SIGNATURE SERIES 750 DEADBOLT

Documents Prepared by
BUILDING CONSULTANTS, INC.
P.O. Box 230 Vero Beach, FL 33595
Phone 888.655.9187
Florida Board of Professional Engineers
Certificate No. 0813
Linda E. Smith, P.E. No. 43509

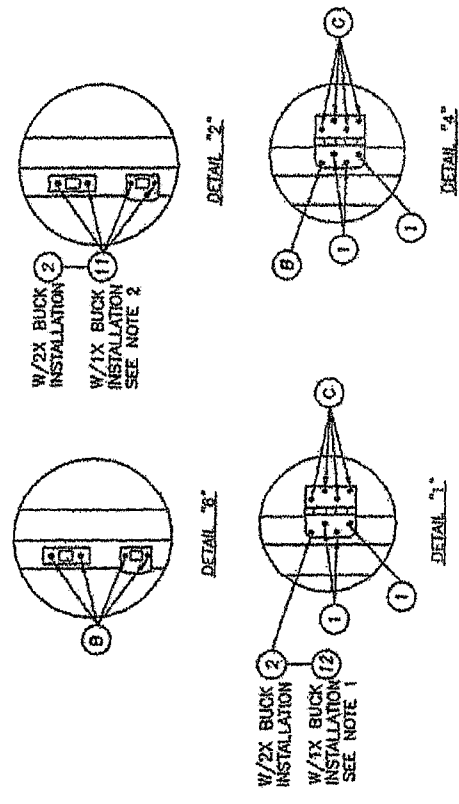
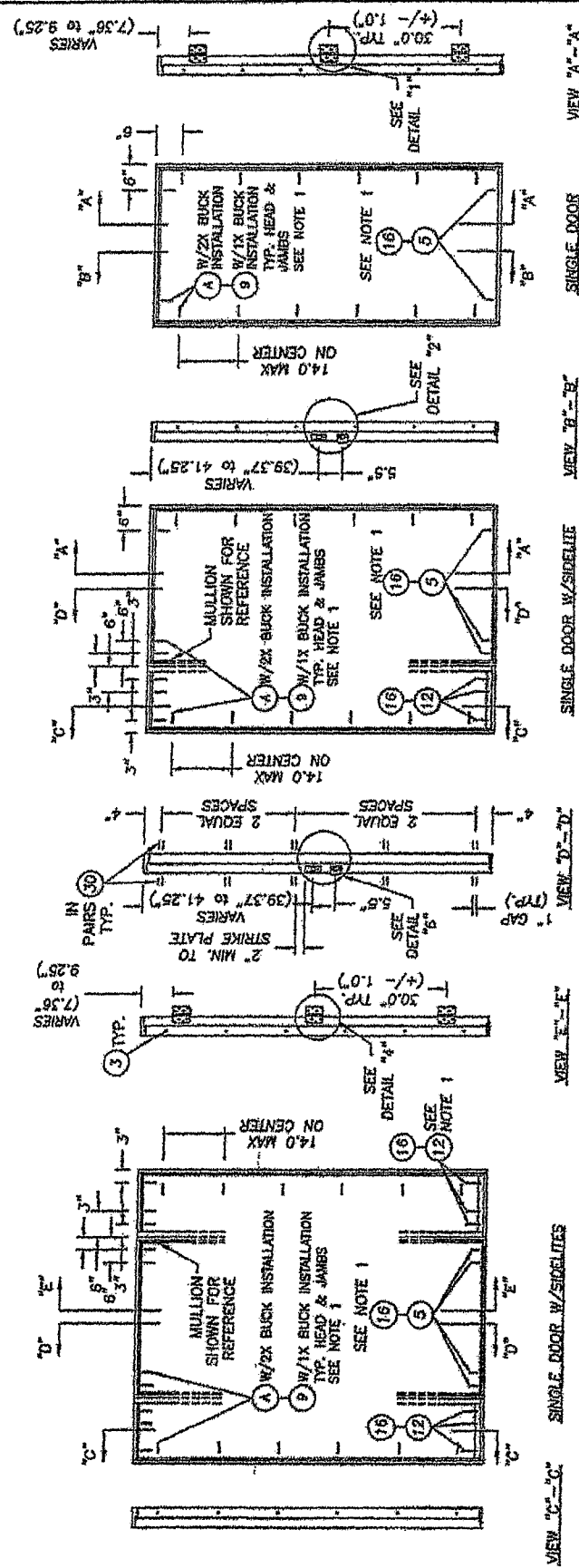
PRODUCTION
FIBERGLASS DOOR
PART OR ASSEMBLY
TYPICAL ELEVATION DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	BY
1	2/21/12	JLK
2	2/21/12	JLK
3	2/21/12	JLK
4	2/21/12	JLK
5	2/21/12	JLK
6	2/21/12	JLK

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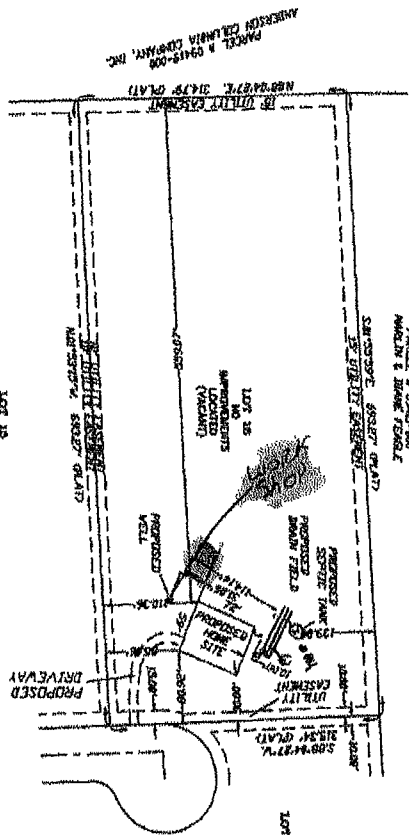
15227.5-68

Documents Prepared by:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Warren P. 33095
Phone NA 8 913.659.9187
Florida Board of Professional Engineers
Certificate Of Authorization No. 2612
2612
London P. Schmidt P.E. No. 43405



- NOTES:**
1. 1/4" JTW concrete masonry & different mortar joint maintain required # & in
 2. 3/16" JTW concrete masonry & concrete
 3. The identified vertical joint (the outside)
 4. For optional 1-3/4" 16g

1. THIS SECTION IS BASED ON THE ATTACHMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. THIS SECTION WAS BASED ON SAID PLAT OF RECORD AND THE RECORDING OFFICE AS SHOWN HEREON.
3. THE RECORDING OFFICE HAS REVIEWED THIS PLAT AND IS RETURNING IT TO BE RECORDED.
4. THE NEW PLAT FILED PLAIN AS PER FIELD NOTE TWO, SAID PLAT IS RETURNED TO THE SURVEYOR.
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SCALE: 1" = 100'

SYMBOL LEGEND	
1	PROPOSED UTILITY EASEMENT
2	PROPOSED WELL
3	PROPOSED DRIVEWAY
4	PROPOSED UTILITY CASING
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APPROVED
Columbia CHD

CERTIFIED TRUE
ARTHUR S. HANCOCK, SURVEYOR

FIELD BOOK, SEE PAGE 100

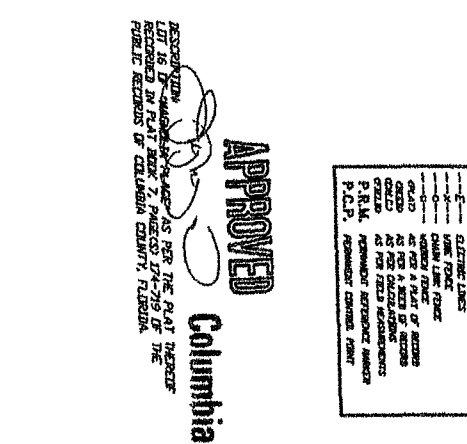
BRITT SURVEYING & MAPPING, LLC
1215 S. 10TH AVE., SUITE 100, TAMPA, FL 33604
TEL: 813.288.2824

REVISED
12/16/13

Handwritten signature
12/16/2013

CTE UMBRIA LUNAT, FLUCUA.

SCALE: 1" = 100'



MEMORANDUM FOR THE DIRECTOR

SUBJECT: [REDACTED]

DATE: 09/25/63

BY: [REDACTED]

FOR THE DIRECTOR: [REDACTED]

1. [REDACTED]

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100. [REDACTED]

 **BRITT SURVEYING
& MAPPING, LLC**

LAND SURVEYORS AND MAPPERS, L.L.C. • SUITE
2000 1515 W. 10th Street, Ste. 2000 • Tulsa, OK 74107-3773
Cable: 405/475-2773 • Fax: 405/475-2773
E-mail: info@brittsurveying.com
Website: www.brittsurveying.com

WATER BINDER # L-228824