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Search Criteria				<a href="#">Refine Search</a>
Code Version	2007	FL#		13707
Application Type	ALL	Product Manufacturer		ALL
Category	ALL	Subcategory		ALL
Application Status	ALL	Compliance Method		ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired		ALL
Product Model, Number or Name	ALL	Product Description		ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ		ALL
Impact Resistant	ALL	Design Pressure		ALL
Other	ALL			

**Search Results - Applications**

FL#	Type	Manufacturer	Validated By	Status
<a href="#">FL13707</a>	New	API (American Products Inc.) <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Jorge A. Pomerantz, P.E. (954) 394-8521	Approved

\*Approved by DCA. Approvals by DCA shall be reviewed and ratified by the POC and/or the Commission if necessary.

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**Product Approval Accepts:**





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 **Application Detail**

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FL #	FL13707				
Application Type	New				
Code Version	2007				
Application Status	Approved				
Comments					
Archived	<input type="checkbox"/>				
Product Manufacturer	API (American Products Inc.)				
Address/Phone/Email	13909 Lynmar Blvd. Tampa, FL 33626 (813) 925-0144 Ext 203 rrencher@americanprod.com				
Authorized Signature	Frank Bennardo frank@engexp.com				
Technical Representative					
Address/Phone/Email					
Quality Assurance Representative					
Address/Phone/Email					
Category	Exterior Doors				
Subcategory	Swinging Exterior Door Assemblies				
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input checked="" type="checkbox"/> Evaluation Report - Hardcopy Received				
Florida Engineer or Architect Name who developed the Evaluation Report	Frank L. Bennardo, P.E.				
Florida License	PE-0046549				
Quality Assurance Entity	National Accreditation and Management Institute				
Quality Assurance Contract Expiration Date	12/31/2011				
Validated By	Jorge A. Pomerantz, P.E. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received				
Certificate of Independence	<a href="#">FL13707_RO_COI_Cert_Indep.pdf</a>				
Referenced Standard and Year (of Standard)	<table border="0"> <tr> <td><b>Standard</b></td> <td><b>Year</b></td> </tr> <tr> <td>ASTM E330</td> <td>2002</td> </tr> </table>	<b>Standard</b>	<b>Year</b>	ASTM E330	2002
<b>Standard</b>	<b>Year</b>				
ASTM E330	2002				
Equivalence of Product Standards Certified By					
Sections from the Code					

Product Approval Method Method 1 Option D

Date Submitted 04/29/2010  
 Date Validated 04/30/2010  
 Date Pending FBC Approval 05/10/2010  
 Date Approved 06/08/2010

**Summary of Products**

FL #	Model, Number or Name	Description
13707.1	Med-Stile Aluminum Outswing Door	Med-Stile Aluminum Outswing Door
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: Non-impact resistant aluminum outswing door, approved for use outside the HVHZ. Not approved for use where water infiltration requirements are required.		<b>Installation Instructions</b> <a href="#">FL13707_RO_II_Dwg_Med.pdf</a> Verified By: Frank L. Bennardo, P.E. PE0046549 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL13707_RO_AE_Eval_Med.pdf</a> Created by Independent Third Party: Yes
13707.2	Narrow-Stile Aluminum Outswing Door	Narrow-Stile Aluminum Outswing Door
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: Non-impact resistant aluminum outswing door, approved for use outside the HVHZ. Not approved for use where water infiltration requirements are required.		<b>Installation Instructions</b> <a href="#">FL13707_RO_II_Dwg_Narrow.pdf</a> Verified By: Frank L. Bennardo, P.E. PE0046549 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL13707_RO_AE_Eval_Narrow.pdf</a> Created by Independent Third Party: Yes

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Product Approval Accepts:



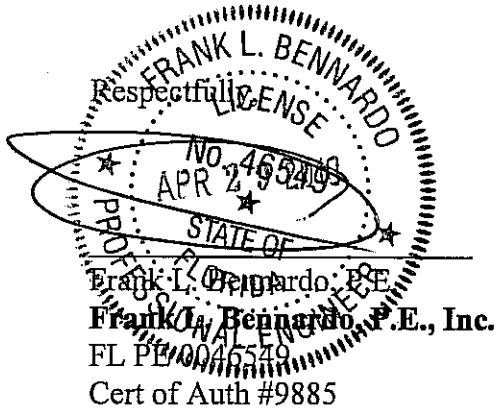
April 15, 2010

Florida Department of Community Affairs  
2555 Shumard Oak Boulevard  
Tallahassee, FL 32399

Regarding: American Products, Inc.  
Med-Stile and Narrow-Stile Aluminum Outswing Door (NI)  
Project #10-AMP-0002

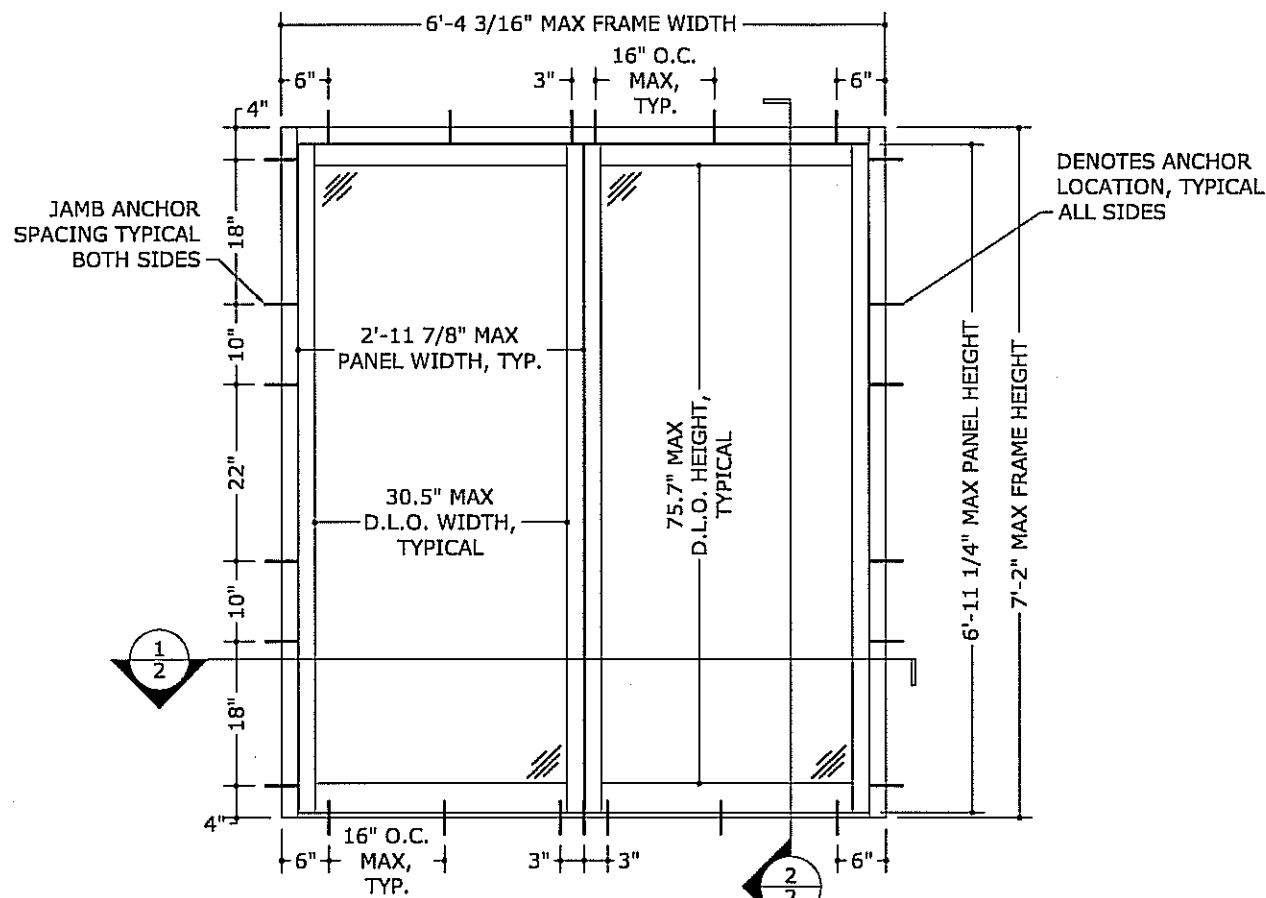
To Whom It May Concern:

Please be advised that the below-signed engineer does not have nor will acquire a financial interest in the company manufacturing or distributing the product(s) for which an evaluation report or validation certification has been prepared, as referenced above. This engineer is not owned, operated, nor controlled by the manufacturer or distributor noted above and does not have any financial interest in any other entity involved in the approval process of the above-noted product(s).

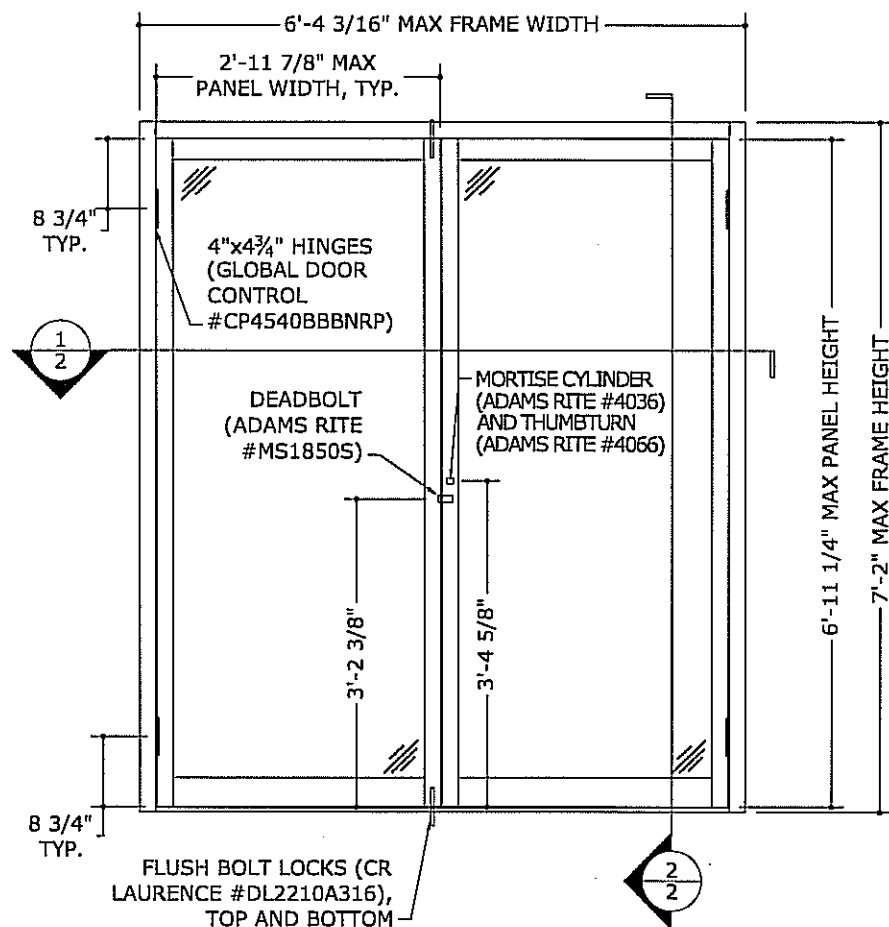
Respectfully,  
  
Frank L. Bennardo, P.E.  
Frank L. Bennardo P.E., Inc.  
FL PE#0046579  
Cert of Auth #9885

# NARROW-STILE ALUMINUM OUTSWING DOOR

## NON-IMPACT RESISTANT



**1** TYPICAL ANCHOR ELEVATION  
 1/2" = 1'-0" EXTERIOR ELEV



**2** TYPICAL HARDWARE ELEVATION  
 1/2" = 1'-0" EXTERIOR ELEV

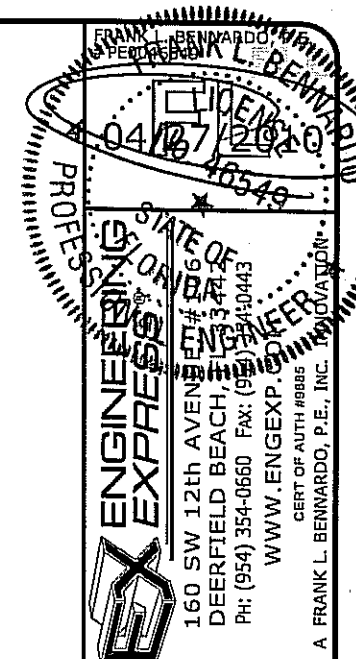
### GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS, FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER ASTM E330 AND E1300 STANDARDS.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR  $C_d=1.6$  HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. ALL EXTRUSIONS SHALL BE 6063-T5 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
7. EXTERIOR SEAM OF FRAME CORNERS SHALL BE SEALED WITH SILICONE.
8. UNLESS OTHERWISE NOTED ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI. ALL 3/16"Ø OR 1/4"Ø POP RIVETS SHALL BE 5056-H32 ALUMINUM ALLOY OR STRONGER.
9. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.

**ALLOWABLE  
 DESIGN PRESSURES\***

**+30.0 PSF  
 -30.0 PSF**

\*NOTE: THIS SYSTEM IS NOT APPROVED FOR USE WHERE WATER INFILTRATION REQUIREMENTS ARE REQUIRED.



**AMERICAN PRODUCTS, INC.**  
 12157 W. LINEBAUGH AVENUE  
 TAMPA, FL 33626

SERIES NARROW-STILE DOOR  
 NON-IMPACT RESISTANT  
 FLORIDA STATEWIDE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	FLB	04/12/10

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**10-AMP-0002b**

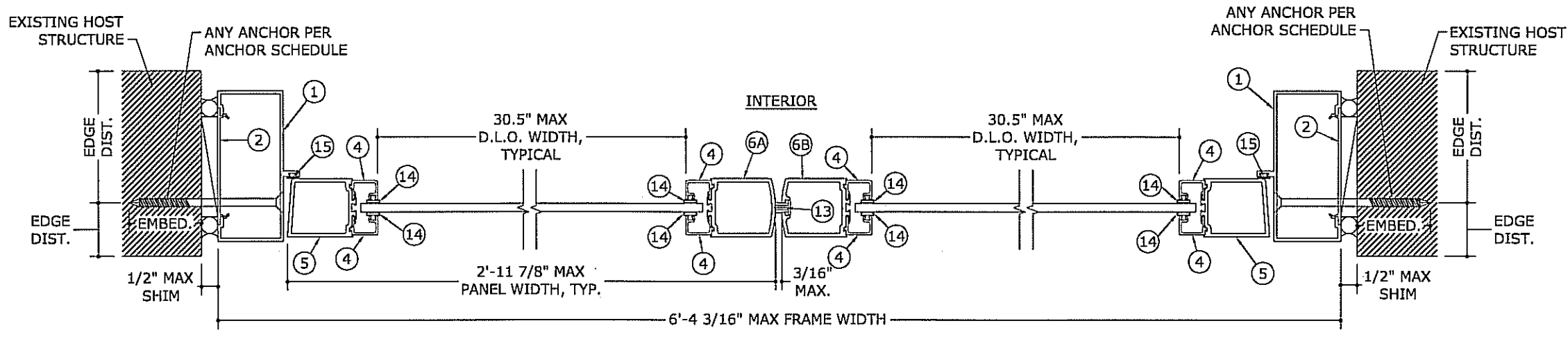
SCALE: 01

PAGE DESCRIPTION:

1 OF 4

F:\01 Project Files\American Products (AMP)\2010\10-AMP-0002 Double Outswing Glazed Doors NI (FSA)\10-AMP-0002b\_01b Double Outswing Glazed Doors NI (FSA) 2 NARROW.dwg 04/27/2010 - 3:07pm keilfl

F:\01 Project Files\American Products (AMP)\2010\10-AMP-0002 Double Outswing Glazed Doors NI (FSA)\10-AMP-0002b\_01b Double Outswing Glazed Doors NI (FSA) 2 NARROW.dwg



**1** TYPICAL HORIZONTAL SECTION  
 2 3" = 1'-0" HORIZ SECTION

**ANCHOR SCHEDULE:**

**TO HOLLOW CONCRETE BLOCK OR 3192 PSI CONCRETE:**

- 1/4" ITW TAPCONS THRU WOOD BUCKS OR DIRECTLY INTO MASONRY/CONCRETE WITH 1-1/4" MIN EMBED.

**TO WOOD BUCK OR HOST STRUCTURE (G=0.55 MIN):**

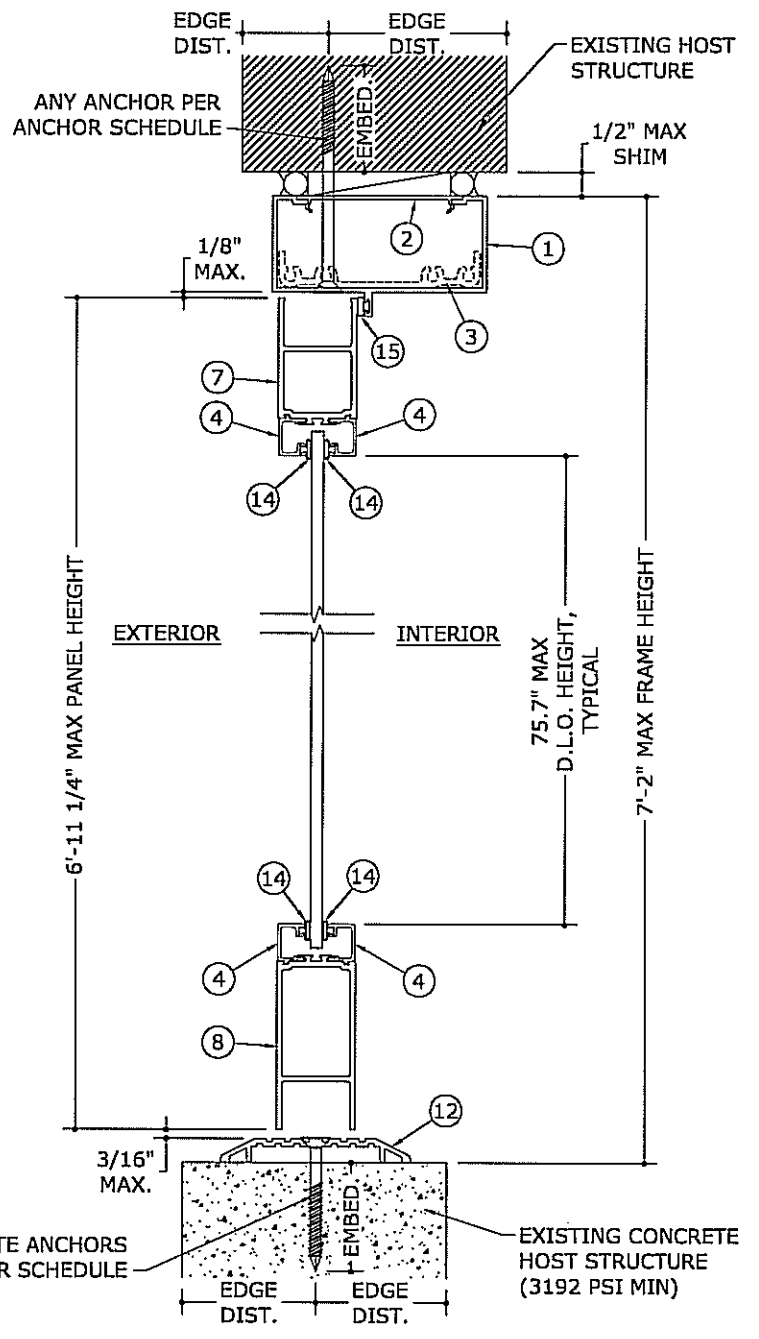
- 1/4" ITW TAPCONS WITH 1-1/2" MIN THREAD PENETRATION.
- #14 WOOD SCREWS WITH 1-1/2" MIN THREAD PENETRATION.

**TO STEEL OR 6063-T5 ALUM HOST STRUCTURE (0.125" MIN THICKNESS):**

- #14 SAE GRADE 5 SMS OR SDS WITH FULL THREAD PENETRATION THROUGH WALL OF HOST STRUCTURE..

**ANCHOR NOTES:**

- SEE EXTERIOR ELEVATION FOR ANCHOR LOCATIONS AND/OR SPACING.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS TO CONCRETE & TO HOLLOW BLOCK. EDGE DISTANCE OF 1/2" IS ACCEPTABLE FOR ANCHORS TO STEEL OR ALUMINUM.
- WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (I.E. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
- WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
- MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.



**2** TYPICAL VERTICAL SECTION  
 2 3" = 1'-0" VERT SECTION

FRANK L. BENNARDO P.E.  
 LICENSE NO. 46549  
 04/27/2010

PROFESSIONAL ENGINEERING  
 EXPRESS SERVICE

160 SW 12th AVENUE #200  
 DEERFIELD BEACH, FL 33442  
 PH: (954) 354-0660 FAX: (954) 354-0443  
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**AMERICAN PRODUCTS, INC.**  
 12157 W. LINEBAUGH AVENUE  
 TAMPA, FL 33626

SERIES NARROW-STILE DOOR  
 NON-IMPACT RESISTANT  
 FLORIDA STATEWIDE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INT ISSUE	KL	FLB	04/27/10

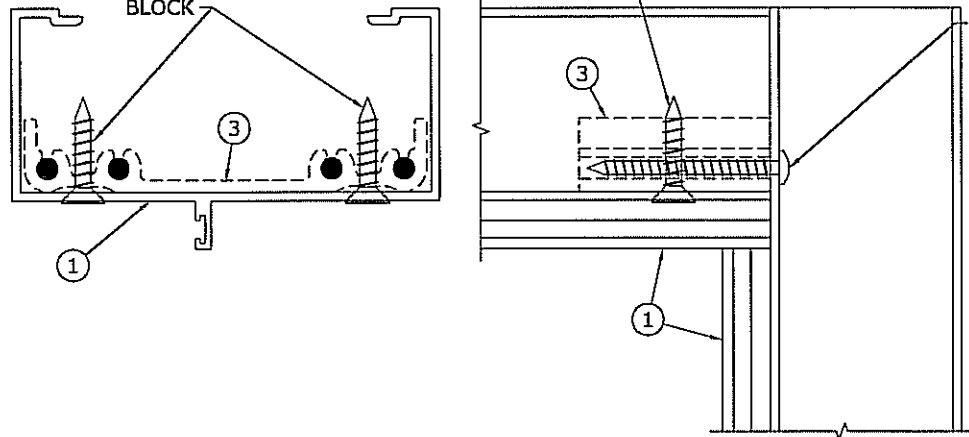
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**2**

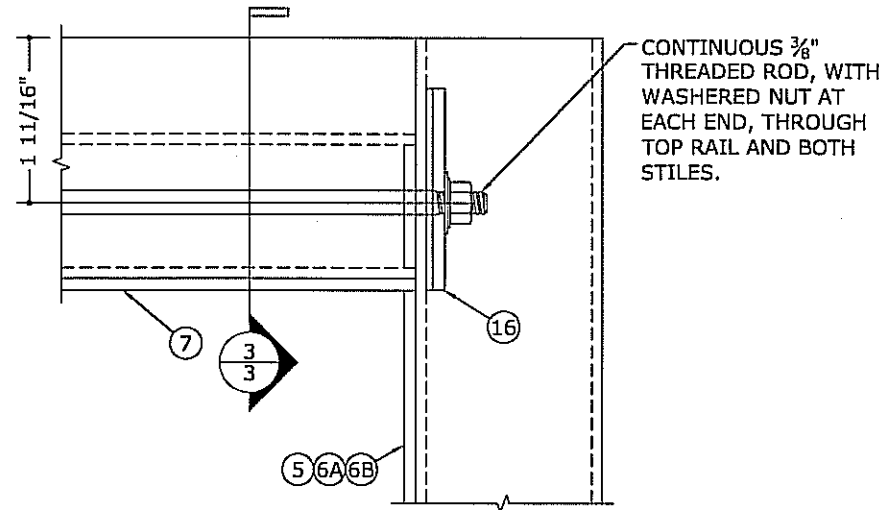
#12x1½" FLAT HEAD SMS, (2) PER SHEAR BLOCK

#12x1½" FLAT HEAD SMS, (2) PER SHEAR BLOCK

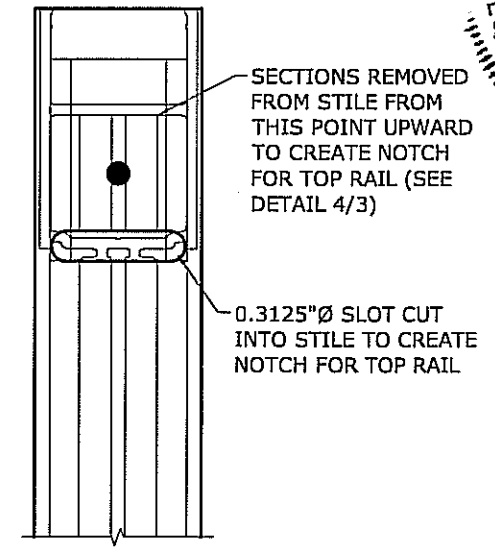
#10x2" PAN HEAD SMS, (4) PER SHEAR BLOCK



**1** TYPICAL FRAME CORNER CONSTRUCTION  
**3** N.T.S. ELEVATION AND VERT SECTION

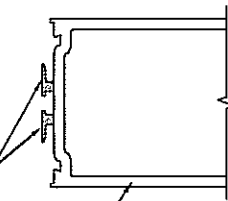


**2** TYPICAL PANEL CORNER CONSTRUCTION AT TOP  
**3** N.T.S. ELEVATION

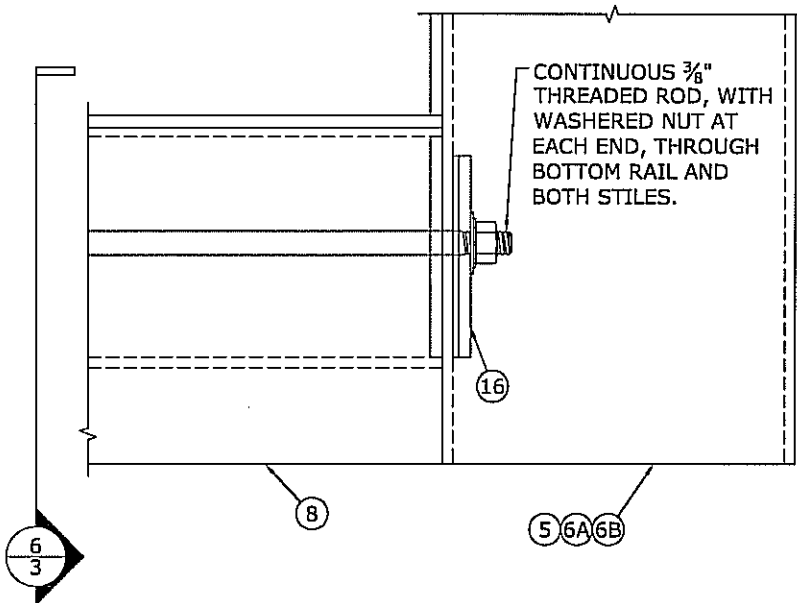


**3** TYPICAL PANEL CORNER CONSTRUCTION AT TOP  
**3** N.T.S. VERT SECTION

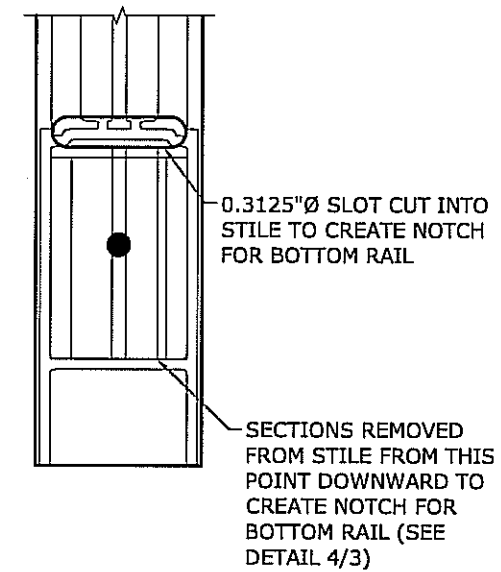
HATCHED PORTIONS REMOVED TO ACCOMMODATE RAILS. SEE PANEL CORNER CONSTRUCTION DETAILS.



**4** STILE DETAIL AT CORNERS  
**3** N.T.S. HORIZ SECTION



**5** TYPICAL PANEL CORNER CONSTRUCTION AT BOTTOM  
**3** N.T.S. ELEVATION



**6** TYPICAL PANEL CORNER CONSTRUCTION AT BOTTOM  
**3** N.T.S. VERT SECTION

FRANK L. BENNARDO, P.E.  
 PROFESSIONAL ENGINEER  
 04/27/2010  
 48549  
 ENGINEERING EXPRESS, INC.  
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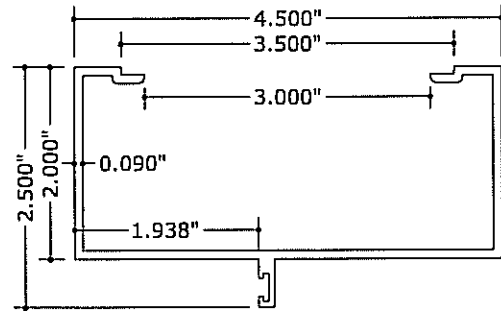
**AMERICAN PRODUCTS, INC.**  
 12157 W. LINEBAUGH AVENUE  
 TAMPA, FL 33626  
 SERIES NARROW-STILE DOOR  
 NON-IMPACT RESISTANT  
 FLORIDA STATEWIDE PRODUCT APPROVAL

REMARKS	INIT	ISSUE	DRWN	CHKD	DATE
	KL		KL	FLB	04/12/10

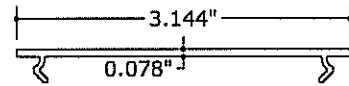
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 kelli

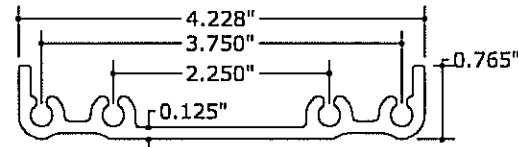


**1** FRAME HEAD/JAMB  
6" = 1'-0" 6063-T5 ALUM.

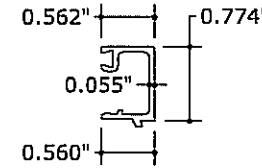


NOTE: FRAME SNAP PLATE EXTRUSION IS 4" LONG. ONE FRAME SNAP PLATE SHALL BE LOCATED AT EACH ANCHOR LOCATION.

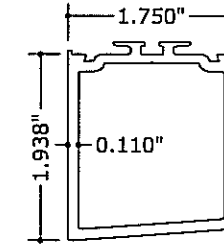
**2** FRAME SNAP PLATE  
6" = 1'-0" 6063-T5 ALUM.



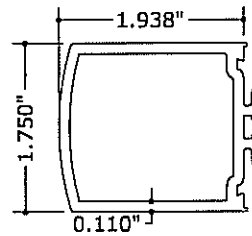
**3** SHEAR BLOCK  
6" = 1'-0" 6063-T5 ALUM.



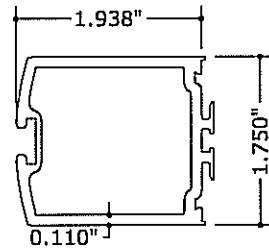
**4** GLAZING BEAD  
6" = 1'-0" 6063-T5 ALUM.



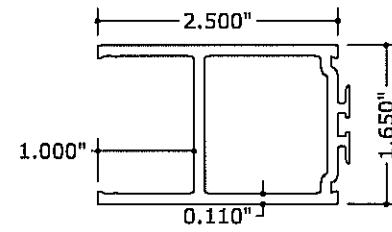
**5** BEVELED DOOR STILE  
6" = 1'-0" 6063-T5 ALUM.



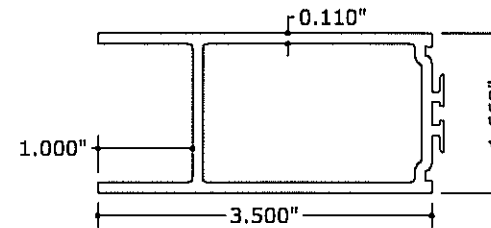
**6A** SECONDARY LOCK STILE  
6" = 1'-0" 6063-T5 ALUM.



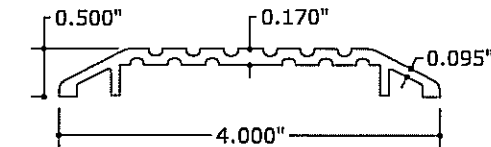
**6B** PRIMARY LOCK STILE  
6" = 1'-0" 6063-T5 ALUM.



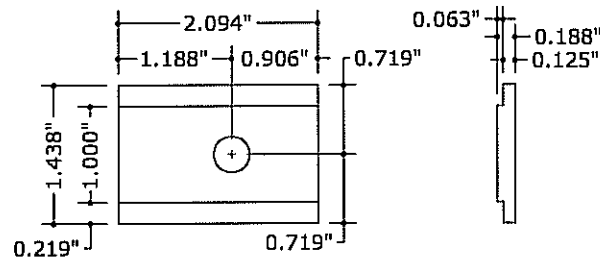
**7** TOP RAIL  
6" = 1'-0" 6063-T5 ALUM.



**8** BOTTOM RAIL  
6" = 1'-0" 6063-T5 ALUM.

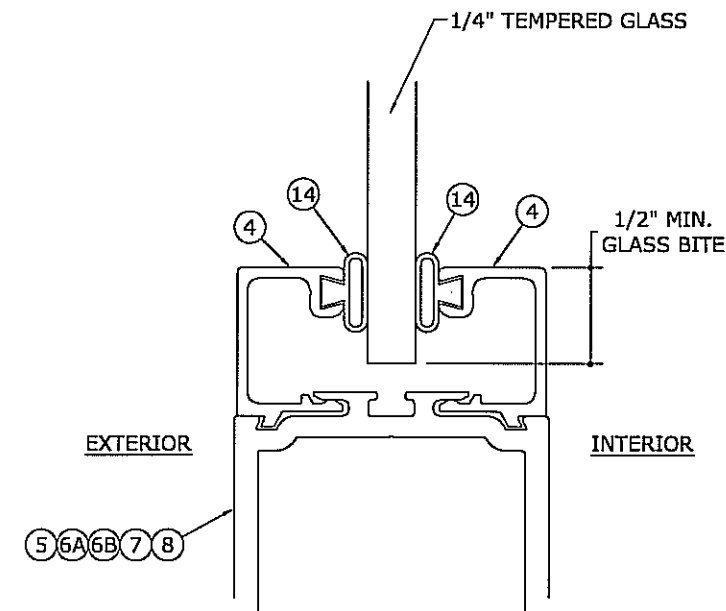


**12** THRESHOLD  
6" = 1'-0" 6063-T5 ALUM.



**16** SQUARE WASHER  
6" = 1'-0" 6063-T5 ALUM.

BILL OF MATERIALS			
	PART #	DESCRIPTION	NOTES
1	DE40005	FRAME HEAD/JAMB	6063-T5
2	F20045	FRAME SNAP PLATE	6063-T5
3	F21020	SHEAR BLOCK	6063-T5
4	DE40055	GLAZING BEAD	6063-T5
5	DE31005	BEVELED DOOR STILE	6063-T5
6A	DE31010	SECONDARY LOCK STILE	6063-T5
6B	DE31015	PRIMARY LOCK STILE	
7	DE10250	TOP RAIL	6063-T5
8	DE10350	BOTTOM RAIL	6063-T5
9		MORTISE CYLINDER, THUMBTURN AND DEADBOLT	ADAMS RITE #4036, #4066, #MS1850S
10		FLUSH BOLT	CR LAURENCE #DL2210A316
11		4"x4-3/4" HINGES	GLOBAL DOOR CONTROL #CP4540BBBNRP
12	DE40040	THRESHOLD	6063-T5
13		POLYPILE WEATHER STRIP	
14		GLAZING BEAD BULB GASKET	
15		FRAME BULB GASKET	
16		SQUARE WASHER	6063-T5



**1** GLAZING DETAIL  
4 N.T.S. NON-IMPACT RESISTANT

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DRWN	KL
CHKD	FLB
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## Product Evaluation Report

April 15, 2010

Application Number: \_\_\_\_\_  
FLB Project Number: 10-AMP-0002b

Product Manufacturer: American Products, Inc.  
Manufacturer Address: 12157 W. Linebaugh Avenue  
Tampa, FL 33626

Product Name & Description: Narrow-Stile Aluminum Outswing Door  
Non-Impact Resistant

### Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Community Affairs (Florida Building Commission) Rule Chapter 9B-72.070, F.A.C., for statewide acceptance per Method 1(d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with the 2007 Florida Building Code and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

### Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

FLB drawing #10-AMP-0002b titled "Narrow-Stile Aluminum Outswing Door", sheets 1-4, prepared by Engineering Express, signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

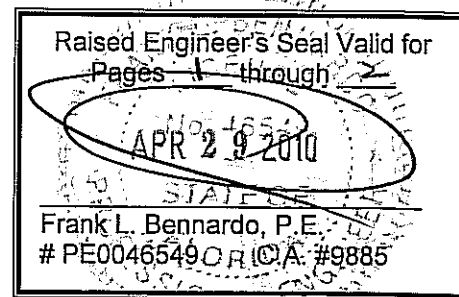
Uniform static structural performance has been tested in accordance with ASTM E330-02 test standards per test report(s) #94493.01-401-44 by Architectural Testing, Inc.

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

1. Anchor Spacing
2. Glass Capacity
3. Anchor Capacity

No 33% increase in allowable stress has been used in the design of this product.



***Impact Resistance:***

Large / Small Missile Impact Resistance has NOT been demonstrated as evidenced in previously listed test reports, and is accounted for in the engineering design of this product.

***Wind Load Resistance***

This product has been designed to resist wind loads as indicated in the span schedule(s) on the Product Evaluation Document (i.e. engineering drawing).

***Installation***

The product listed above shall be installed in strict compliance with the Product Evaluation Document (i.e. engineering drawing), along with all components noted therein.

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering drawing).

***Limitations & Conditions of Use:***

Use of this product shall be in strict accordance with the Product Evaluation Document (i.e. engineering drawing) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in this product's respective anchor schedule. Host structure conditions which are not accounted for in this product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times.

This product has NOT been designed for use within the High Velocity Hurricane Zone (HVHZ).