



MIAMI-DADE COUNTY, FLORIDA  
 PRODUCT CONTROL SECTION  
 11805 S.W. 26<sup>th</sup> Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599  
<http://www.miamidade.gov/economy/>

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
 BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

**Nan Ya Plastics Corporation USA**  
**8989 North Loop East**  
**Suite 800**  
**Houston, TX 77029-1217**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:**

**Series 6'11" Outswing Glazed White PVC/Fiberglass Patio Door w/ Sidelites (OXX or XXO) – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. NAN0023, Series titled "6'11" Fiberglass Outswing Patio Door", sheets 1 through 08 of 08, dated 11/25/10, with revision "D" dated 04/16/12, prepared by PTC, LLC, signed and sealed by Robert James Amoruso, P. E., bearing the Miami-Dade County Product Control Section revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, **Taipei, Taiwan, Republic of China**, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA 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 NOA revises NOA No. 11-0307.02 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
 7/26/12

**Nan Ya Plastics Corporation USA**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 11-0307.02)*
2. Drawing No. **NAN0023**, Series titled "6'11" Fiberglass Outswing Patio Door", sheets 1 through 08 of 08, dated 11/25/10, with revision "D" dated 04/16/12, prepared by PTC, LLC, signed and sealed by Robert James Amoruso, P. E.

**B. TESTS**

1. Test report on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of Fiberglass Outswing Opaque/ Glazed Door w/wo Sidelites, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA 2019W**, dated 10/05/10, signed and sealed by Ramesh C. Patel, P. E.  
*(Submitted under previous NOA No. 11-0307.02)*

**C. CALCULATIONS**

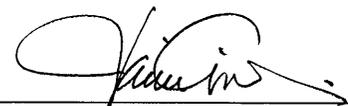
1. Anchor calculations and structural analysis, complying with FBC, prepared by PTC Engineering, Inc., dated 10/15/11, signed and sealed by Robert James Amoruso, P. E.  
*(Submitted under previous NOA No. 11-0307.02)*
2. **Complies with ASTM E1300-02/ 04**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-1102.11**, issued to **Solutia, Inc.** for their "**Saflex Clear or Color Glass Interlayers**" dated 06/14/12, expiring on 05/21/16.
2. Test Report No. **ETC-06-255-17412.0**, prepared by ETC Laboratories, dated 04/25/06, re-issued on 07/10/06 to Nan Ya Plastics Corporation USA, for their Phenolic Foam Board/ ETC06013 plastic per ASTM E84-05 "Standard Test Method for Surface Burning Characteristics of Building Materials", signed and sealed by Joseph Labora Doldan, P. E.  
*(Submitted under previous NOA No. 11-0307.02)*



**Jaime D. Gascon, P. E.**  
**Product Control Section Supervisor**  
**NOA No. 12-0612.15**  
**Expiration Date: November 24, 2016**  
**Approval Date: October 04, 2012**

**Nan Ya Plastics Corporation USA**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS (CONTINUED)**

3. Test Report No. **ETC-05-255-16776.1**, prepared by ETC Laboratories, dated 07/06/06, issued by Nan Ya Plastics Corporation USA, for their SMC Fiberglass material (P/N: ETC05033), 4500 exposed Xenon Arch & tensile strength per ASTM D 638-03, Tensile strength, ASTM D 638-03, Smoke density per ASTM D2843-99, Rate of burning per ASTM D 635-98, Self ignition per ASTM D1929-01, signed and sealed by Joseph Labora Doldan, P. E.

*(Submitted under previous NOA No. 11-0307.02)*

4. Test Report No. **ETC-05-255-16777.1**, prepared by ETC Laboratories, dated 07/26/06, issued by Nan Ya Plastics Corporation USA, for their Cellular PVC (P/N: ETC05034), Standard Test Method for Ignition Properties of Plastics per ASTM D1929-96, Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics per ASTM D2843-99, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position per ASTM D635-98, Standard Test Methods for Tensile Properties of Plastics per ASTM D638-03, signed and sealed by Joseph Labora Doldan, P. E.

*(Submitted under previous NOA No. 11-0307.02)*

5. Test Report No. **ETC-05-255-17144.0**, prepared by ETC Laboratories, dated 07/03/08, issued by Nan Ya Plastics Corporation USA, for their Rigid PVC plastic (P/N: ETC06024), Standard Test Method for Ignition Properties of Plastics per ASTM D1929-96, Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics per ASTM D2843-99, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position per ASTM D635-98, Standard Test Methods for Tensile Properties of Plastics for exposed & unexposed sample Xenon Arch after 4500 Hours, per ASTM D638-03, signed and sealed by Joseph Labora Doldan, P. E.

*(Submitted under previous NOA No. 11-0307.02)*

**F. STATEMENTS**

1. Statement letter of no financial interest, conformance and complying with **FBC-2010**, issued by PTC, LLC, dated 04/25/12, signed and sealed by Robert James Amoruso, P. E.
2. Statement letter dated 09/04/2012, for standard equivalency of ASTM D635-98/ 03 conforming to FBC 2010 for above referenced test reports, issued by PTC, LLC, signed and sealed by Robert James Amoruso, P. E.
3. Laboratory addendum letter for Test Report No. **CTLA 2019W-1**, issued by Certified Testing Laboratories, Inc., dated 07/12/11, signed and sealed by Ramesh C. Patel, P. E.

*(Submitted under previous NOA No. 11-0307.02)*



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 12-0612.15

Expiration Date: November 24, 2016

Approval Date: October 04, 2012

Nan Ya Plastics Corporation USA

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS (CONTINUED)**

4. Laboratory compliance letters for Test Report No. **CTLA-2019W**, dated 10/05/10, issued by ETC Laboratories, all signed and sealed by Ramesh C. Patel, P. E.  
*(Submitted under previous NOA No. 11-0307.02)*
5. Laboratory compliance letters for Test Reports No.'s **ETC-06-255-17412.0**, dated 04/25/06, **ETC-05-255-17144.0**, dated 07/03/08, **ETC-05-255-16776.1**, dated 07/06/06 and **ETC-05-255-16777.1**, dated 07/26/06, all issued by ETC Laboratories, all signed and sealed by Joseph Labora Doldan, P. E.  
*(Submitted under previous NOA No. 11-0307.02)*

**G. OTHERS**

1. Notice of Acceptance No. **11-0307.02**, issued to Nan Ya Plastics Corporation USA for their "**Series 6'11" Outswing White PVC/ Fiberglass Doors w/ Sidelites - L.M.I.**", approved on 11/24/11 and expiring on 11/24/16.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 12-0612.15  
Expiration Date: November 24, 2016  
Approval Date: October 04, 2012

# NAN YA PLASTICS CORPORATION, USA

## 6'11" FIBERGLASS OUTSWING PATIO DOOR

**GENERAL NOTES:**

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2007 AND 2010 FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURE(S) STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # CTLA-2019W DATED 05/10/10 AND ASSOCIATED LABORATORY STAMPED DRAWINGS AND WERE TESTED IN ACCORDANCE WITH CURRENT HVHZ TEST PROTOCOLS.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
  - 3.1 IN ACCORDANCE WITH THE 2007 AND 2010 FBC, SECTION 2411.3.3.3, WOOD BUCKS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN THE 2007 AND 2010 FBC, SECTION 2326.2.

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5	HORIZONTAL SECTIONS
6	MULLION PLATE AND CORNER DETAILS
7	COMPONENTS
8	BILL OF MATERIALS

4. IN AREAS WHERE WIND-BORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN APPROVED MIAMI DADE IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
5. DOOR FRAME AND PANEL MATERIAL:  
FOAM PVC & ALUMINUM THRESHOLD
6. DESIGNATIONS "X" AND "O" STANDS FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL
7. A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCT(S) SHOWN HEREIN. WIND LOAD DURATION FACTOR (Cd = 1.0) HAS BEEN USED FOR WOOD ANCHOR DESIGN.
8. IN ACCORDANCE WITH THE 2007 AND 2010 FBC, SECTION 2003.8.4 DISSIMILAR METALS INCLUDING FASTENERERS THAT MAY COME INTO CONTACT WITH ALUMUNUM WINDOW FRAMING WOOD SHALL HAVE BEEN PROTECTED AS DEFINED IN SECTION 2003.8.4.2.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1.

**INSTALLATION NOTES:**

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION. ANCHORS ARE TO MATCH TYPE, SIZE, AND EMBEDMENT OF THOSE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. FOR INSTALLATION INTO WOOD FRAMING, USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 3/4 INCHES. MINIMUM ANCHOR SEPARATION IS 7/8 INCH.
5. FOR DOOR FRAMING MEMBER INSTALLATION THROUGH PROPERLY ENGINEERED AND SECURED 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 3/16 INCH ITW (ADVANCED THREADFORM TECHNOLOGY) TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 INCH MINIMUM EMBEDMENT IN HOLLOW BLOCK (CMU) AND 1-1/2 INCHES IN CONCRETE. MINIMUM EDGE DISTANCE IS 2 INCHES IN HOLLOW BLOCK (CMU) AND 1-1/8 INCHES IN CONCRETE.
6. FOR MULLION FASTENER PLATE (TO SUBSTRATE ATTACHMENT):
  - 6.1. FOR INSTALLATION THROUGH PROPERLY ENGINEERED AND SECURED 1X BUCK TO CONCRETE OR DIRECTLY INTO CONCRETE USE 1/4 INCH ITW (ADVANCED THREADFORM TECHNOLOGY) TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1-3/4 INCHES MINIMUM EMBDEMENT INTO CONCRETE AND MINIMUM EDGE DISTANCE OF 2-1/2 INCHES TO CONCRETE EDGE.
  - 6.2. FOR INSTALLATION INTO 2X WOOD FRAMING OR BUCK USE NO. 12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCHES MINIMUM EMBDEMENT INTO WOOD SUBSTRATE AND MINIMUM EDGE DISTANCE OF 7/8 INCHES TO WOOD SUBSTRATE EDGE.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).
8. FOR CONCRETE BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - A. WOOD - P.T. SOUTHERN YELLOW PINE. MINIMUM SPECIFIC GRAVITY OF 0.55.
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT / 117 PCF DENSITY (OR GREATER)
10. FOR HINGE ATTACHMENT SEE SHEET 2, HINGE DETAILS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **12-0612.15**  
Expiration Date **11/24/2016**  
By *[Signature]*  
Miami Dade Product Control

DESIGN PRESSURE RATING (PSF)		IMPACT RATING
* WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	LARGE MISSILE IMPACT
±70.0	±70.0	

\* DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG RATIO (OH) IS EQUAL TO OR MORE THAN 1 NEED TO BE TESTED FOR WATER INFILTRATION PER FBC 1714.5.2(2). OH RATIO = OVERHANG LENGTH / OVERHANG HEIGHT.

PROJECT #411-1002			
D	UPDATE TO 2010 FBC	04/16/12	TJH
C	PER DADE LETTER DATED SEPT. 21, 2011	09/21/11	TJH
B	PER DADE LETTER DATED APRIL 19, 2011	08/05/11	TJH
REV	DESCRIPTION	DATE	BY

**NAN YA PLASTICS CORPORATION, USA**  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

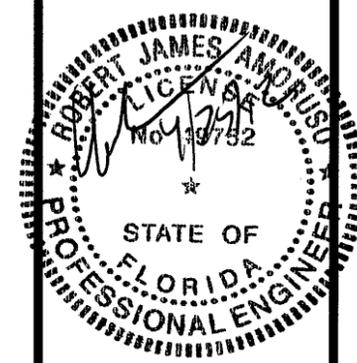
TITLE: 6'11" FIBERGLASS OUTSWING PATIO DOOR  
GENERAL NOTES, INSTALLATION NOTES & D.P. CHART

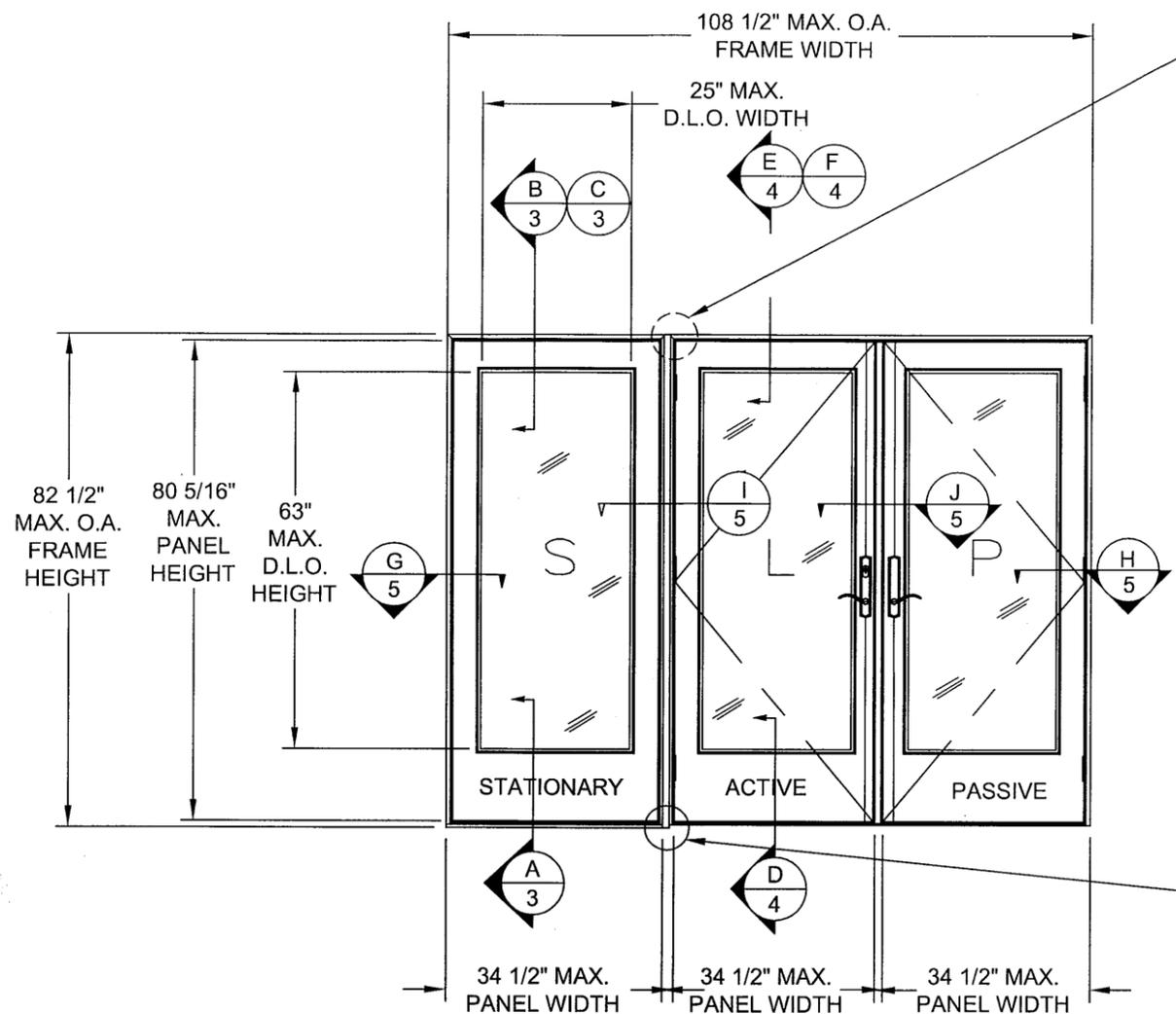
PREPARED BY: *[Signature]* DATE: 11/25/10  
DRAWN BY: JRM SCALE: N.T.S. DRAWING NO: NAN0023  
SHEET: 1 OF 8

**PFC**

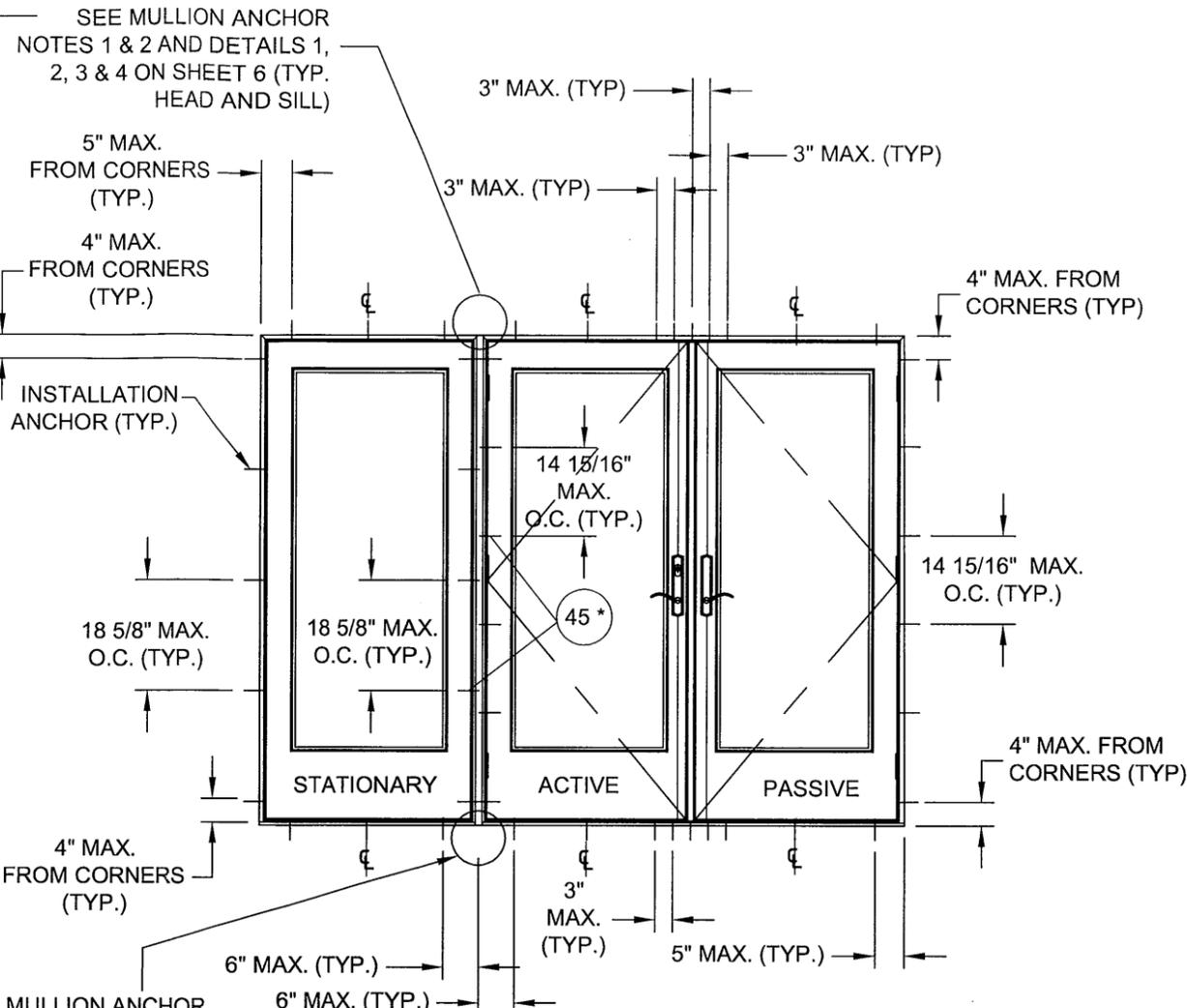
PFC PRODUCT DESIGN GROUP, LLC Phone: 321.680.1788  
PO BOX 520775 Fax: 321.680.1789  
LONGWOOD, FLORIDA 32752 Email: info@pfc-corp.com  
PBE, CA, INC. 2838

ROBERT J. AMORUSO  
Florida P.E. No. 49752



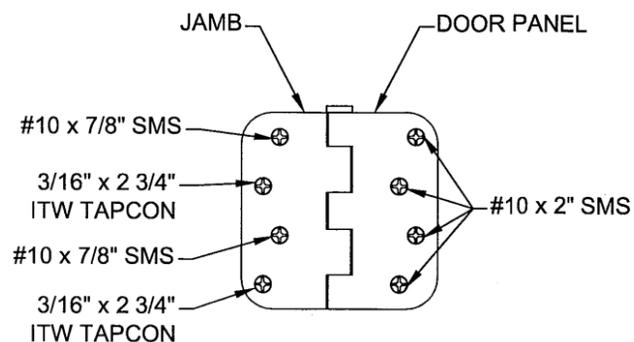


**ELEVATION (OXX)**  
EXTERIOR VIEW

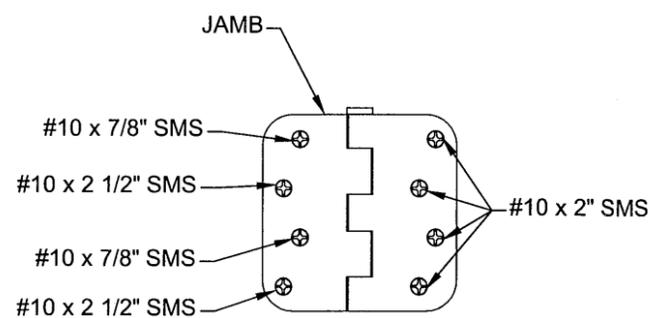


**ANCHOR LAYOUT**  
EXTERIOR VIEW

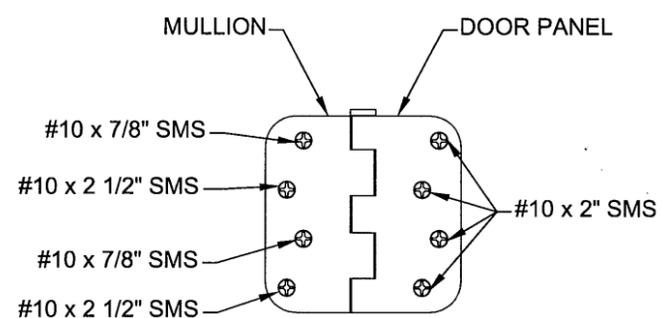
\* ITEM NO. 45 USED TO SECURE JAMBS THROUGH REINFORCING MULLION



**HINGE TO JAMB**  
MASONRY/CONCRETE INSTALLATION



**HINGE TO JAMB**  
WOOD FRAMING INSTALLATION



**HINGE TO MULLION**  
WOOD FRAMING OR  
MASONRY/CONCRETE INSTALLATION

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. **12-0612.15** Expiration Date **11/24/2016**  
By *[Signature]*  
Miami Dade Product Control

PROJECT #411-1002	
D	UPDATE TO 2010 FBC
C	PER DADE LETTER DATED SEPT. 21, 2011
B	PER DADE LETTER DATED APRIL 19, 2011
REV	DESCRIPTION
TJH	DATE
TJH	BY

**NAN YA PLASTICS CORPORATION, USA**  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

611" FIBERGLASS OUTSWING PATIO DOOR  
ELEVATION & ANCHOR LAYOUT

PREPARED BY: JRM  
SCALE: N.T.S.  
REV: D

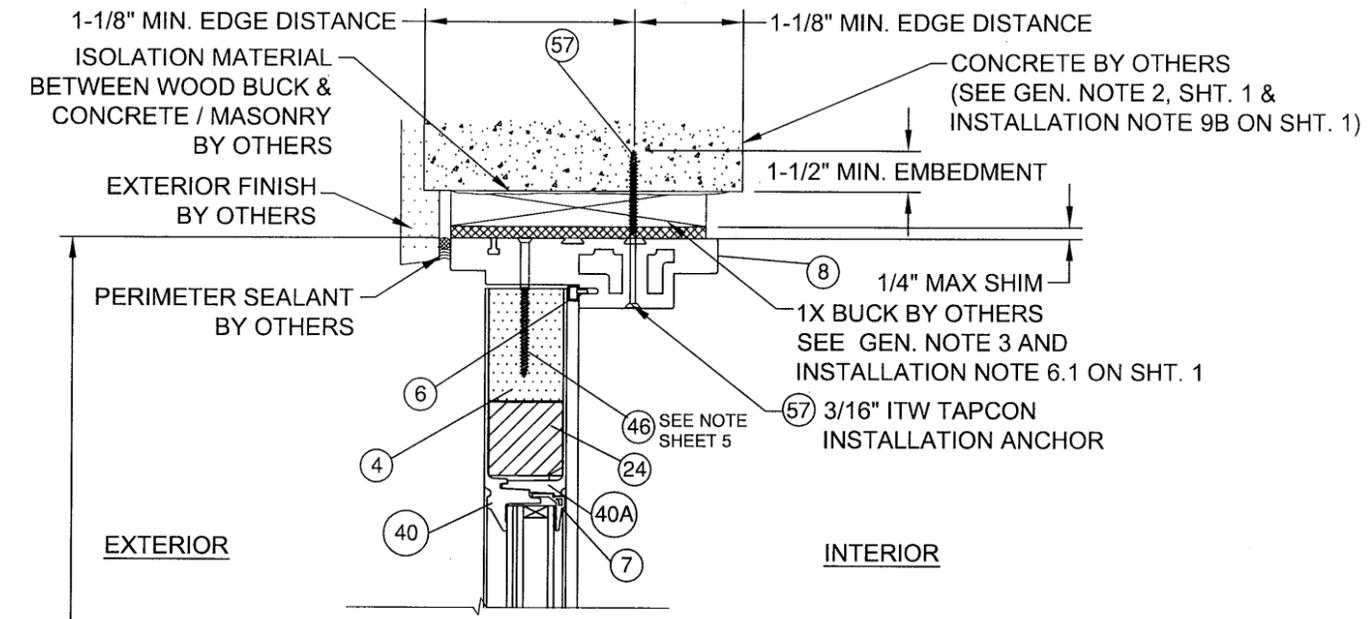
DATE: 11/25/10  
DRAWING NO: NAN0023  
SHEET: 2 OF 8

PTC PRODUCT DESIGN GROUP, LLC  
PO BOX 520775  
LONGWOOD, FLORIDA 32752  
Phone: 321.650.1788  
Fax: 321.650.1189  
Email: info@pac-corp.com

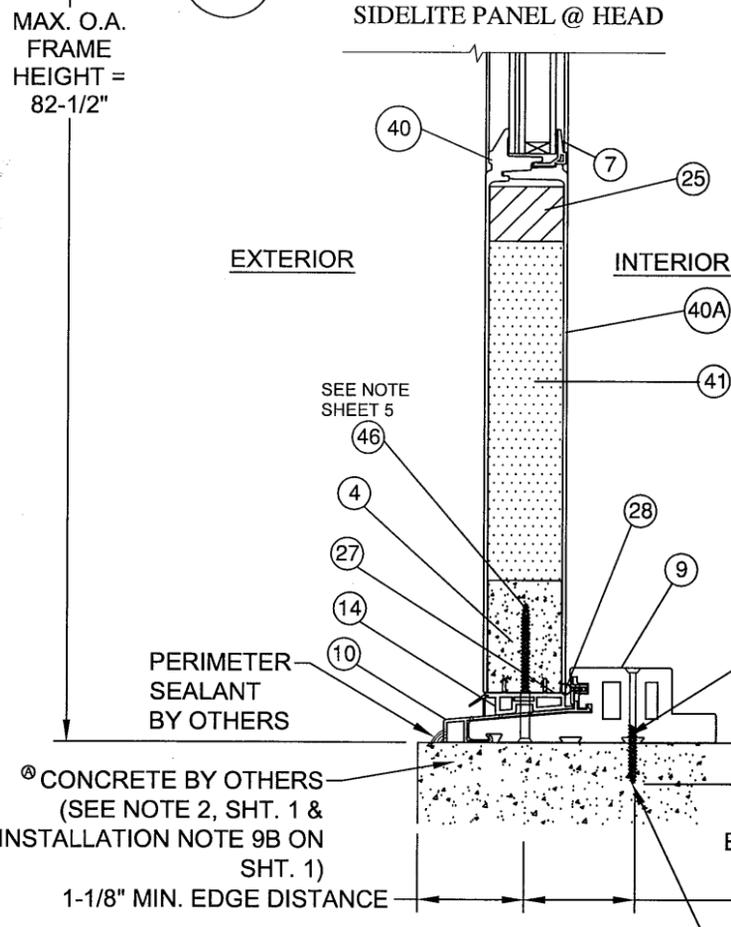
ROBERT J. AMORUSO  
Florida P.E. No. 49752

**PROFESSIONAL ENGINEER**  
STATE OF FLORIDA  
LICENSE No 49752

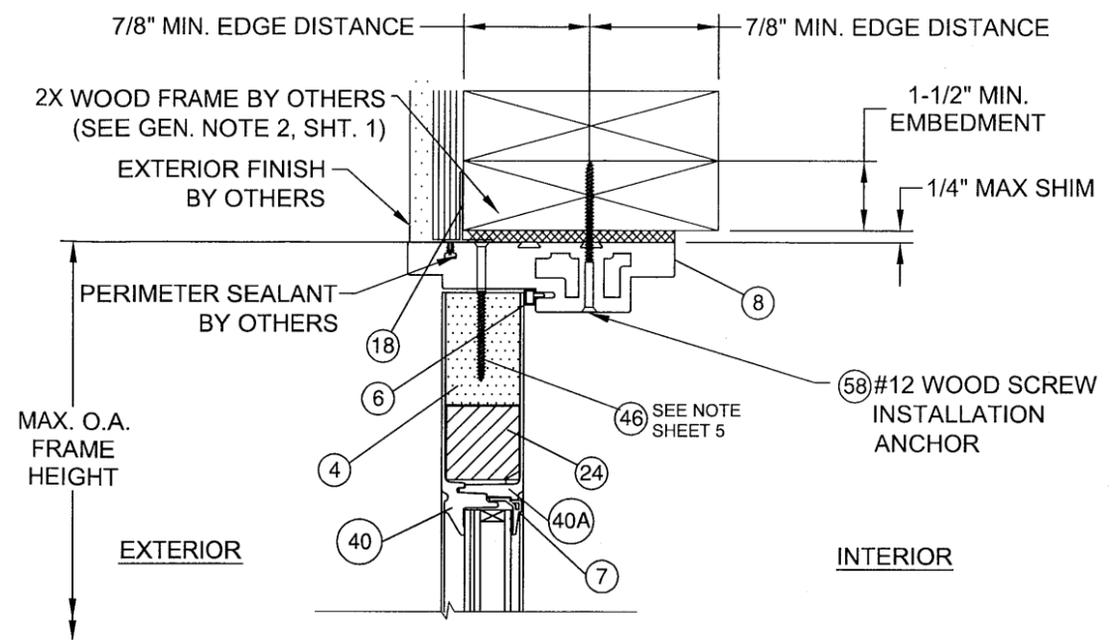
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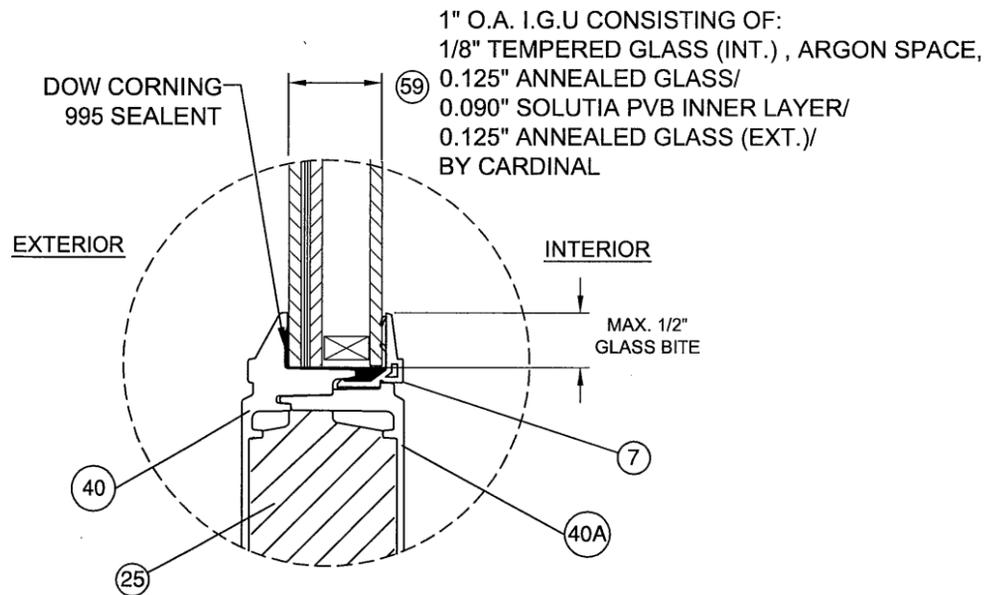
**B** VERTICAL SECTION  
CONCRETE / MASONRY SUBSTRATE  
SIDELITE PANEL @ HEAD



**A** VERTICAL SECTION  
CONCRETE SUBSTRATE  
SIDELITE PANEL @ SILL



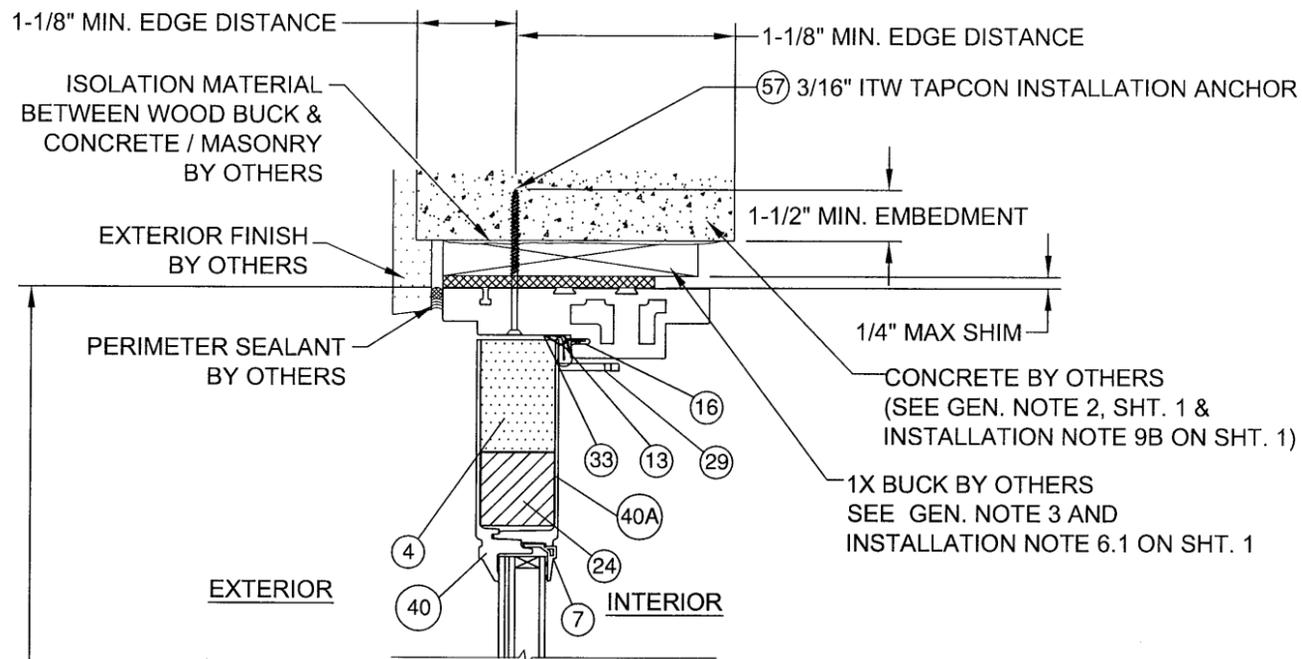
**C** VERTICAL SECTION  
WOOD FRAME SUBSTRATE  
SIDELITE PANEL @ HEAD



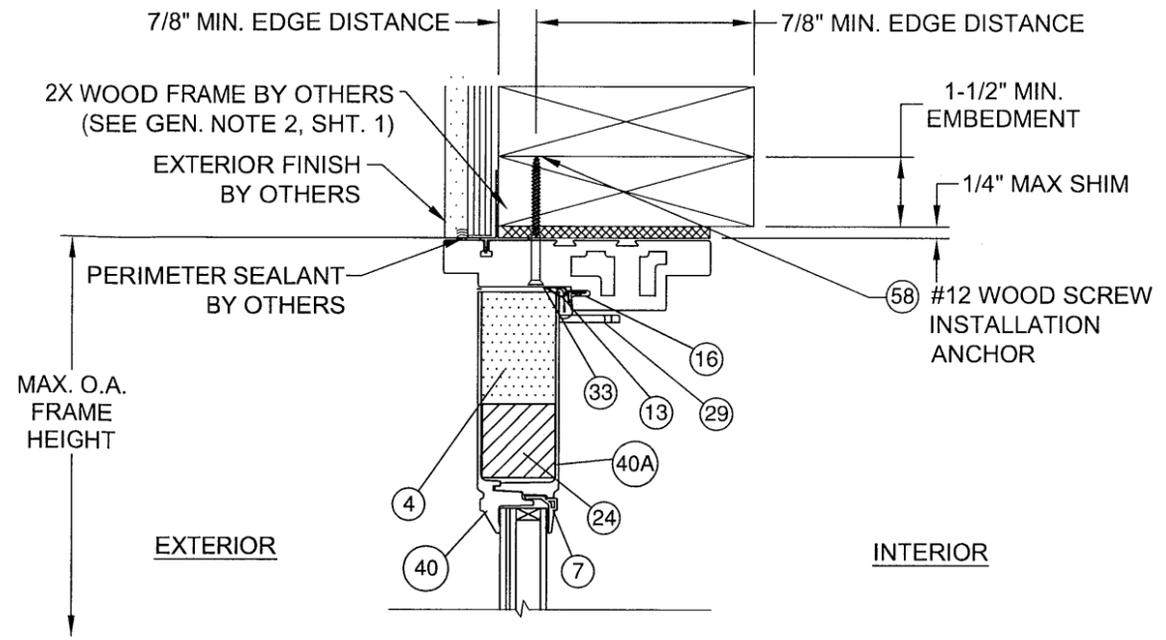
**GLAZING DETAIL**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0612.15  
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By *[Signature]*  
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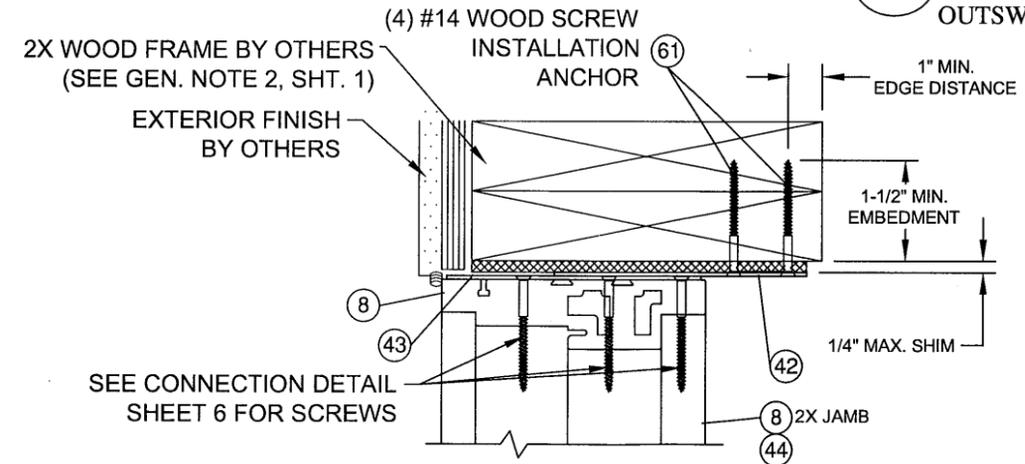
PROJECT #411-1002		TJH	BY
D	UPDATE TO 2010 FBC	04/16/12	DATE
C	PER DADE LETTER DATED SEPT. 21, 2011	09/21/11	DESCRIPTION
B	PER DADE LETTER DATED APRIL 19, 2011	08/05/11	REV
NAN YA PLASTICS CORPORATION, USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		DATE: 11/25/10	3 OF 8
61"1" FIBERGLASS OUTSWING PATIO DOOR VERTICAL SECTIONS		DRAWN BY: JRM	DRAWING NO: NAN0023
PREPARED BY: JRM		SCALE: N.T.S.	REV: D
PTC PRODUCT DESIGN GROUP, LLC PO BOX 620775 LONGWOOD, FLORIDA 32762		Phone: 321.680.1788 Fax: 321.680.1789 Email: info@ptc-corp.com	
ROBERT J. AMORUSO Florida P.E. No. 49752			



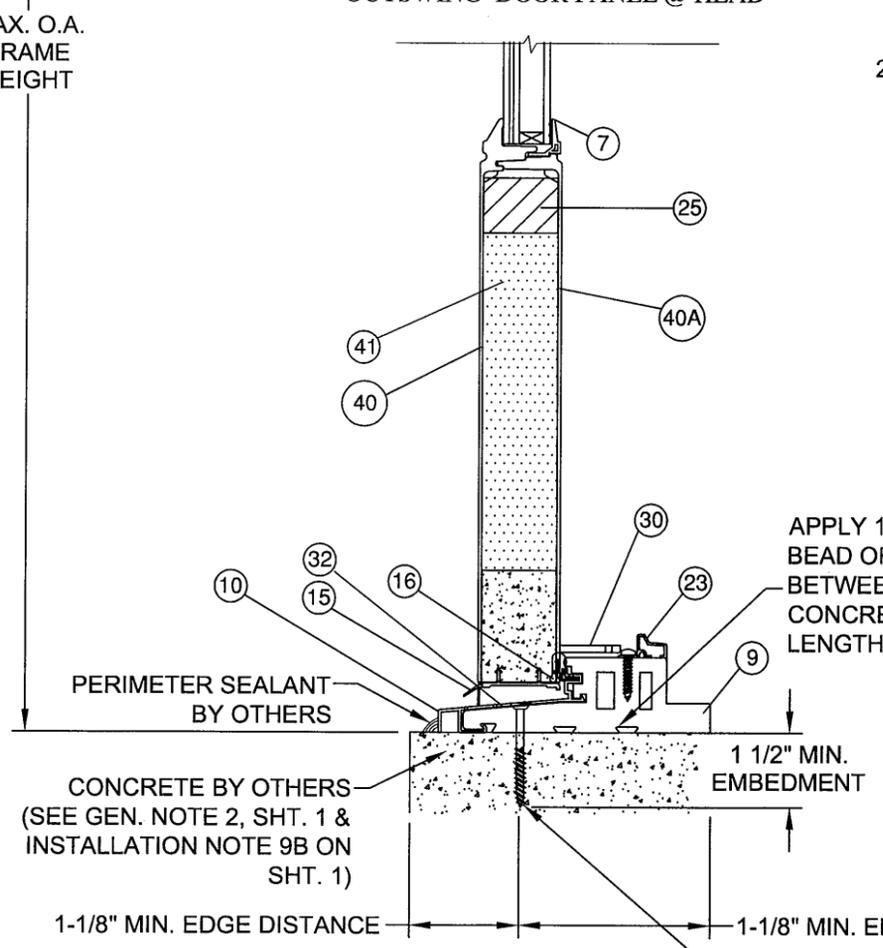
**E** VERTICAL SECTION  
CONCRETE / MASONRY SUBSTRATE  
OUTSWING DOOR PANEL @ HEAD



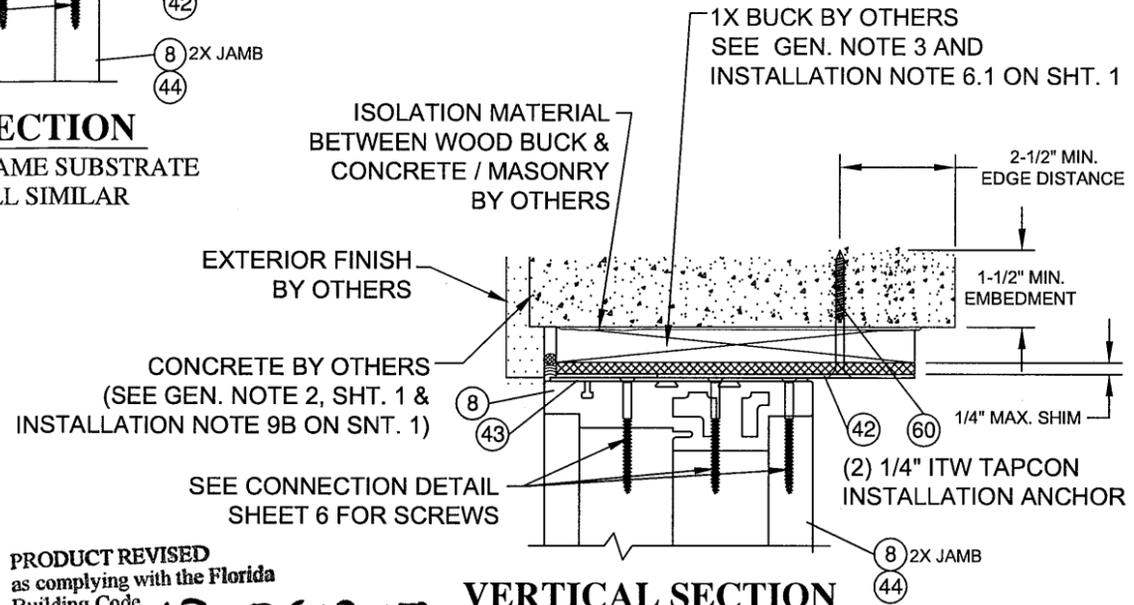
**F** VERTICAL SECTION  
WOOD FRAME SUBSTRATE  
OUTSWING DOOR PANEL @ HEAD



VERTICAL SECTION  
MULLION TO WOOD FRAME SUBSTRATE  
HEAD SHOWN, SILL SIMILAR



**D** VERTICAL SECTION  
CONCRETE SUBSTRATE  
OUTSWING DOOR PANEL @ SILL



VERTICAL SECTION  
MULLION TO CONCRETE SUBSTRATE  
HEAD SHOWN, SILL SIMILAR

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0612.15  
Expiration Date 11/24/2016  
By [Signature]  
Miami Dade Product Control

PROJECT #411-1002

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REV	DESCRIPTION			

NAN YA PLASTICS CORPORATION, USA  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

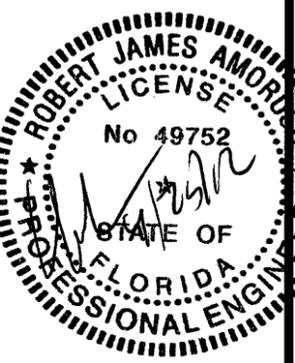
6"11" FIBERGLASS OUTSWING PATIO DOOR  
VERTICAL SECTIONS

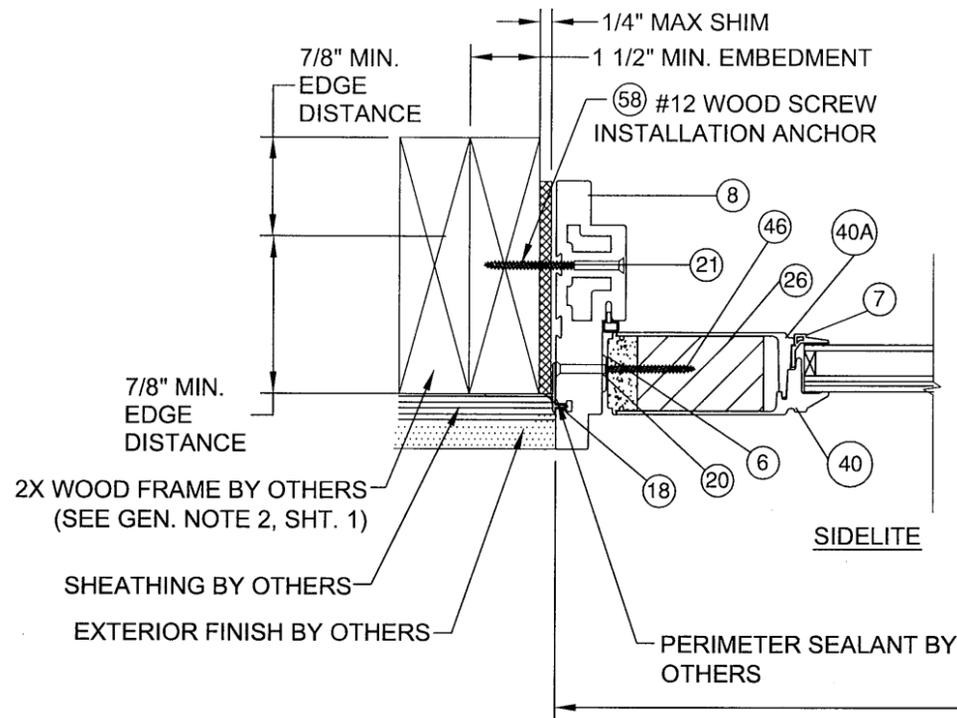
DATE: 11/25/10  
DRAWING NO: NAN0023  
SCALE: N.T.S.  
SHEET: 4 OF 8

PREPARED BY: JRM  
DRAWN BY: JRM  
SCALE: N.T.S.  
REV: D

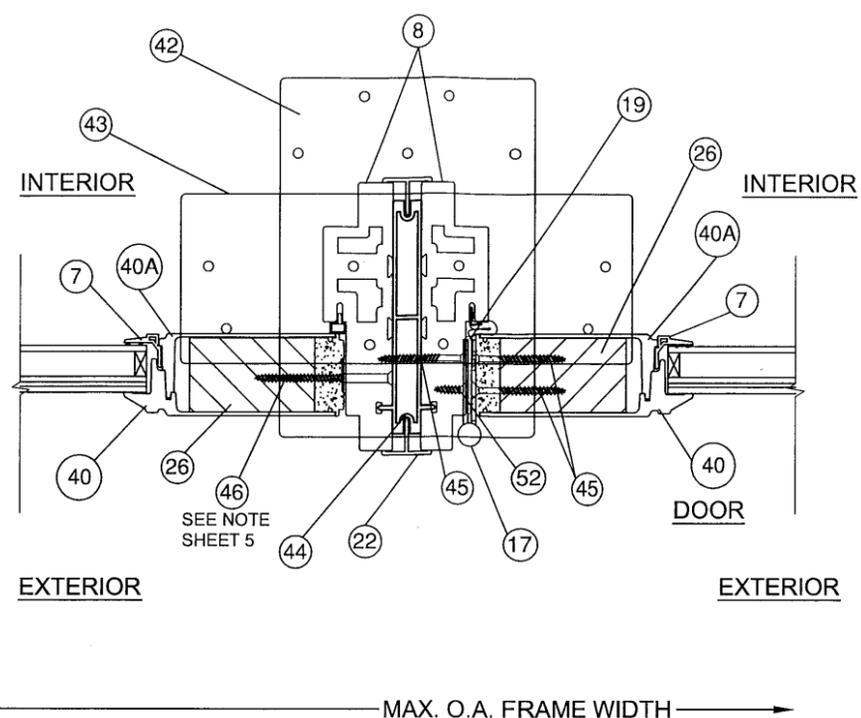
PTC PRODUCT DESIGN GROUP, LLC  
PO BOX 620775  
LONGWOOD, FLORIDA 32762  
Phone: 321.680.1788  
Fax: 321.680.1789  
Email: info@nyc-corp.com

ROBERT J. AMORUSO  
Florida P.E. No. 49752





**G HORIZONTAL SECTION**  
WOOD FRAME SUBSTRATE  
GLAZED SIDELITE PANEL @ JAMB

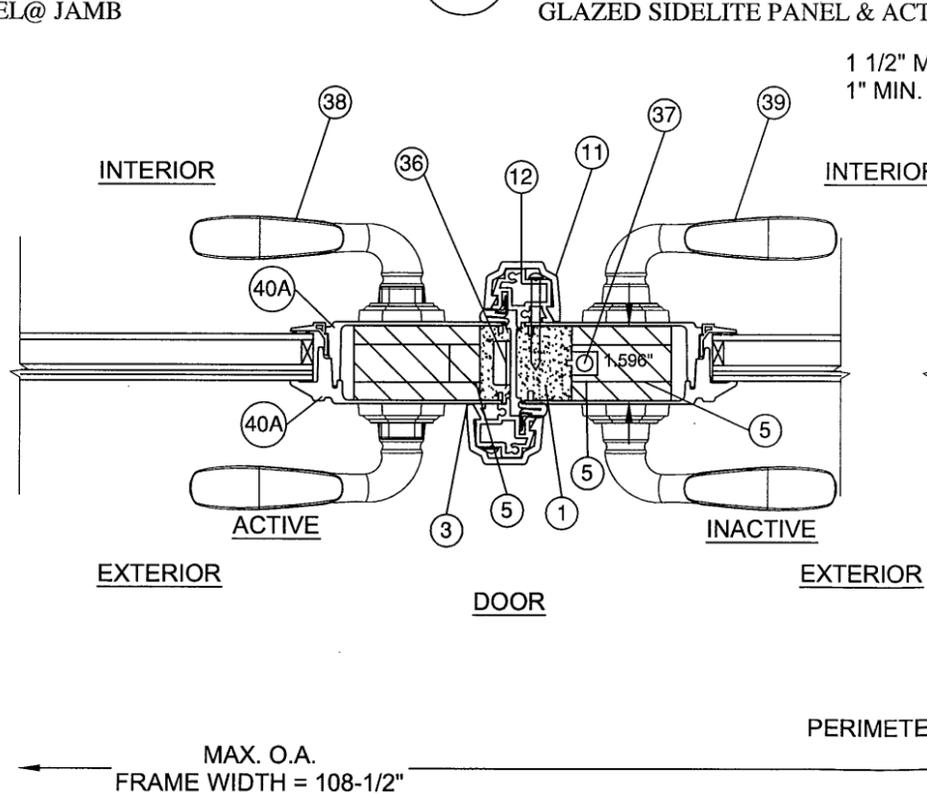


**I HORIZONTAL SECTION**  
MULLION  
GLAZED SIDELITE PANEL & ACTIVE DOOR

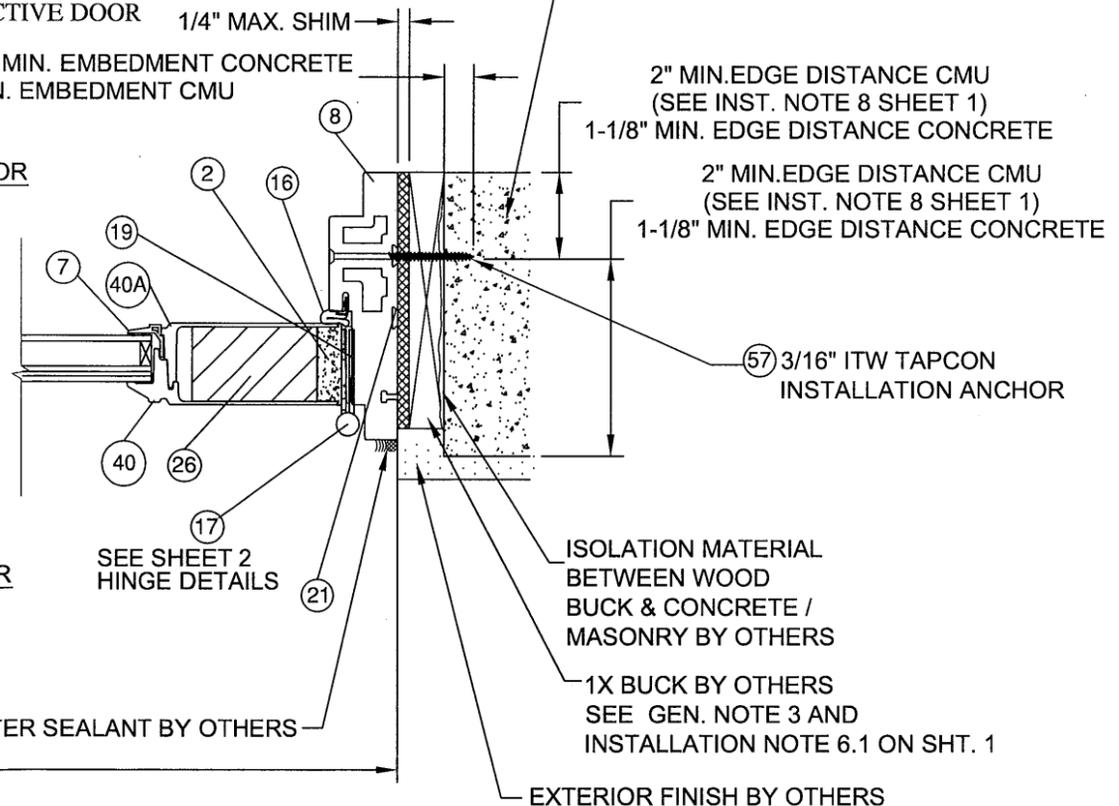
**SIDELITE NOTE**  
THE SIDELITE IS SECURED TO THE JAMB WITH #10 x 3\"/>

A. HEAD AND SILL: (3) SCREWS AT 5\"/>

B. JAMBS: (5) SCREWS AT 4\"/>



**J HORIZONTAL SECTION**  
ASTRAGAL  
INACTIVE DOOR & ACTIVE DOOR PANEL



**H HORIZONTAL SECTION**  
CONCRETE / MASONRY SUBSTRATE  
GLAZED INACTIVE PANEL @ JAMB

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0612.15  
Expiration Date 11/24/2016  
by *[Signature]*  
Miami Dade Product Control

PROJECT #4111-1002		TJH	BY
D	UPDATE TO 2010 FBC	04/16/12	TJH
C	PER DADE LETTER DATED SEPT. 21, 2011	09/21/11	TJH
B	PER DADE LETTER DATED APRIL 19, 2011	08/05/11	TJH
REV	DESCRIPTION	DATE	BY

**NAN YA PLASTICS CORPORATION, USA**  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

TITLE: 611" FIBERGLASS OUTSWING PATIO DOOR HORIZONTAL SECTIONS

DATE: 11/25/10  
DRAWING NO: NAN0023  
SHEET: 5 OF 8

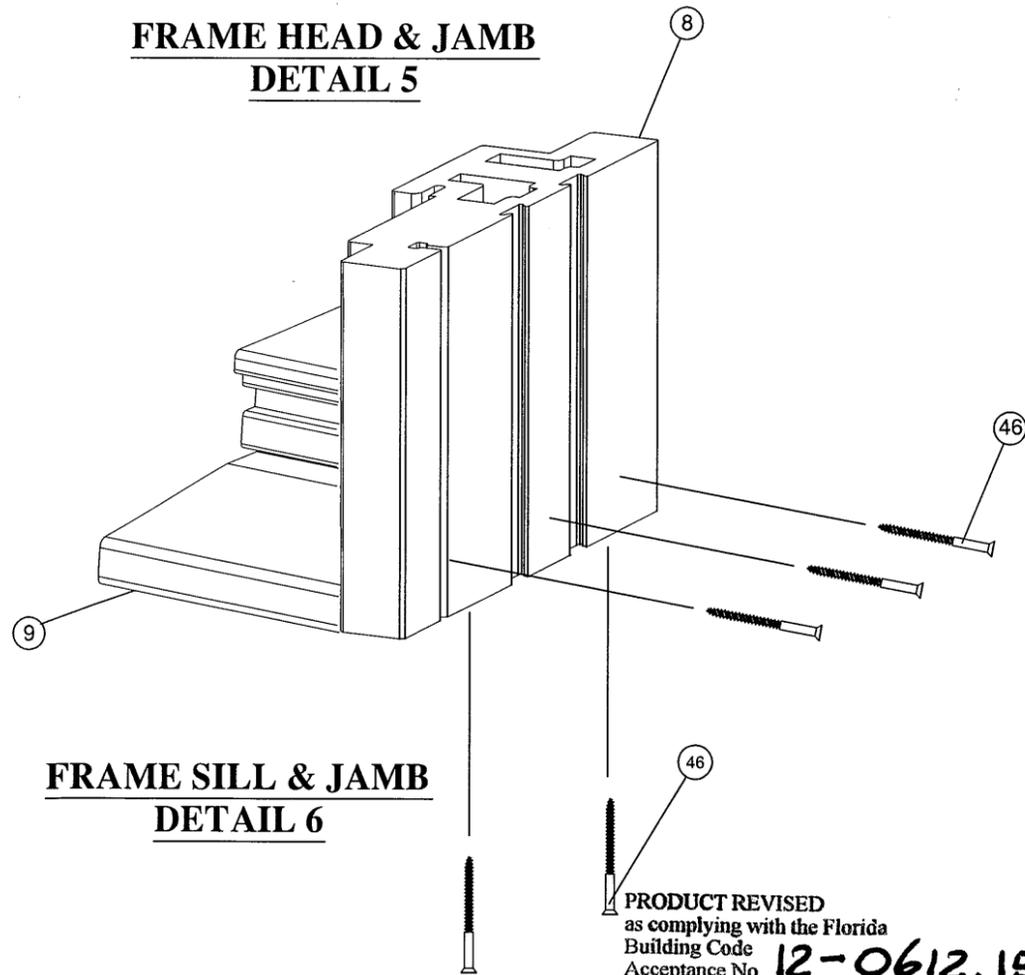
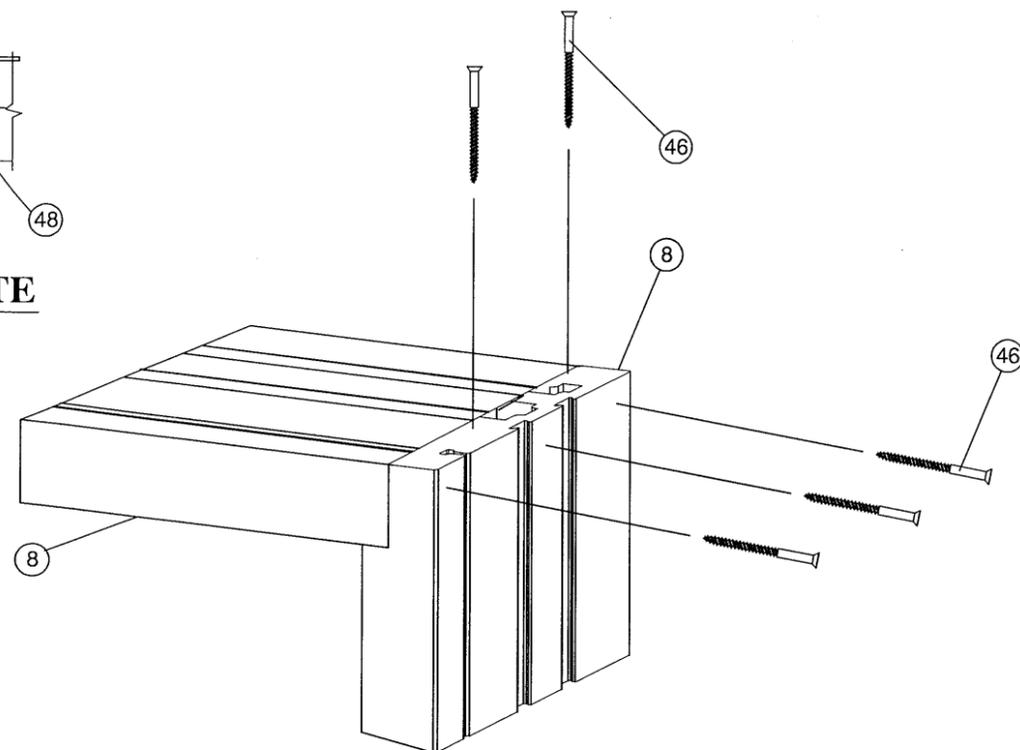
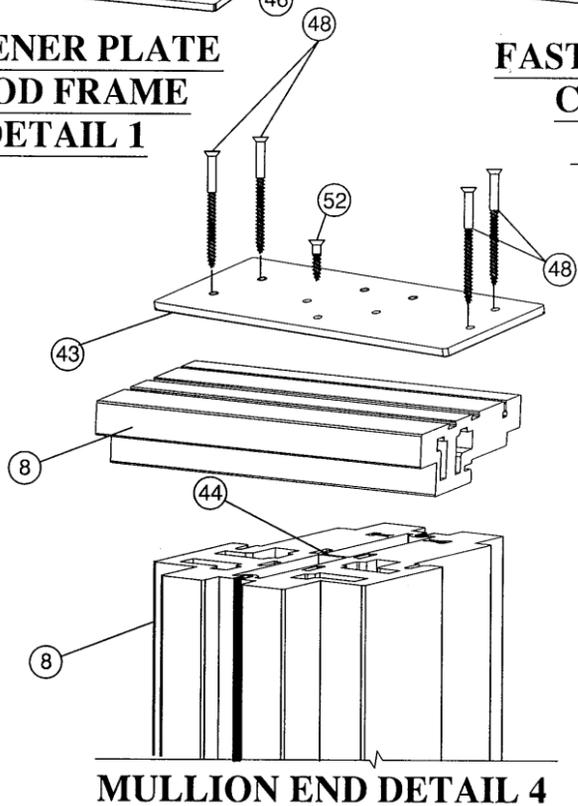
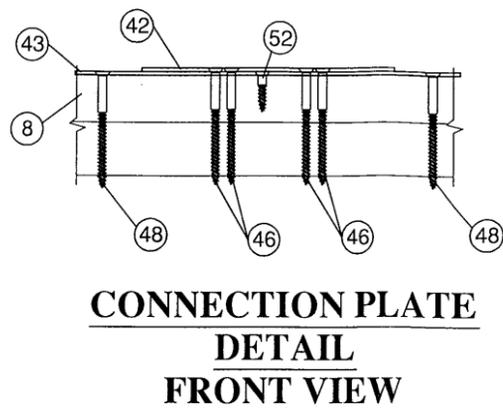
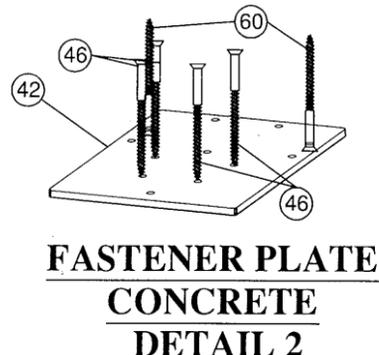
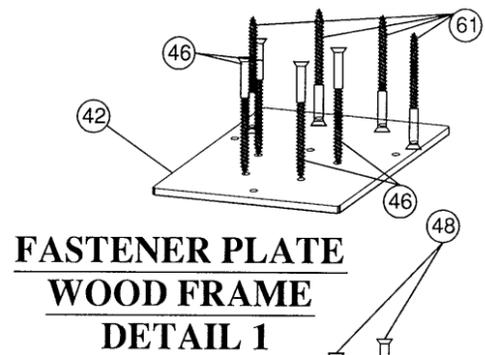
DRAWN BY: JRM  
SCALE: N.T.S.  
REV: D

PREPARED BY: **PTC**  
PTC PRODUCT DESIGN GROUP, LLC  
PO BOX 920775  
LONGWOOD, FLORIDA 32762  
FBPE C.A. NO. 25955  
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Email: info@nyc-corp.com

ROBERT J. AMORUSO  
Florida P.E. No. 49752

**PROFESSIONAL ENGINEER**  
STATE OF FLORIDA  
LICENSE No. 49752

12-0612.15  
11/24/2016



**MULLION ATTACHMENT AND INSTALLATION NOTES:**

1. MULLION ATTACHMENT TO THE FRAME HEAD, SILL AND JAMB - CONNECTION/FASTENER PLATE
  - 1.1. THE MULLION IS ATTACHED TO THE SUBSTRATE FRAME HEAD AND SILL UTILIZING TWO (2) STEEL PLATES; THE FASTENER PLATE (ITEM NO. 42) AND THE CONNECTION PLATE (ITEM NO. 43).
    - 1.1.1. THE CONNECTION PLATE (ITEM NO. 43) TIES THE FRAMING COMPONENTS TOGETHER.
    - 1.1.2. THE FASTENER PLATE (ITEM NO. 42) SERVES TO SECURE THE MULLION TO THE SUPPORTING SUBSTRATE.
  - 1.2. FOUR (4) #10 X 2.50" F.H. S.M.S. (ITEM NO. 46) ARE USED TO SECURE THE CONNECTION/FASTENER PLATE COMBINATION TO THE JAMB FRAMING MEMBERS AT HEAD OR SILL.
  - 1.3. FOUR (4) #10 X 1.50" F.H. S.M.S. (ITEM NO. 48) ARE USED TO SECURE THE CONNECTION PLATE TO THE HEAD OR SILL FRAMING MEMBERS; TWO (2) S.M.S. ARE USED IN EITHER SIDE OF THE MULLION AT THE HEAD OR SILL
    - 1.3.1. ADDITIONALLY, ONE (1) #10 X 0.875" F.H. S.M.S. (ITEM NO. 52) IS USED TO SECURE THE CONNECTION PLATE TO THE REINFORCING MULLION AT THE HEAD OR SILL
2. FASTENER PLATE ANCHORAGE TO SUPPORTING SUBSTRATE:
  - 2.1. FOR PLATE ATTACHMENT (ITEM NO. 42) TO WOOD FRAME SUBSTRATES USE FOUR (4) #14 WOOD SCREWS (ITEM NO. 61) PER PLATE AT THE HEAD OR SILL (EACH MULLION END) INTO THE INSTALLATION BUCKING OR FRAME. A MINIMUM OF 1-1/2" EMBEDMENT INTO SUBSTRATE AND MAINTAINING AT LEAST 1" MINIMUM EDGE DISTANCE IS REQUIRED.
  - 2.2. FOR PLATE ATTACHMENT (ITEM NO. 42) TO CONCRETE SUBSTRATES USE TWO (2) 1/4" I.T.W. TAPCONS (ADVANCED THREADFORM TECHNOLOGY) (ITEM NO. 60) PER PLATE AT THE HEAD OR SILL (EACH MULLION END) THROUGH THE INSTALLATION BUCKING (IN APPLICABLE) INTO THE CONCRETE SUBSTRATE. A MINIMUM OF 13/4" EMBEDMENT INTO SUBSTRATE AND MAINTAINING AT LEAST 2-1/2" MINIMUM EDGE DISTANCE IS REQUIRED.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 12-0612.15  
 Expiration Date 4/29/2016  
 By *[Signature]*  
 Miami Dade Product Control

PROJECT #411-1002		TJH	BY
D	UPDATE TO 2010 FBC	04/16/12	TJH
C	PER DADE LETTER DATED SEPT. 21, 2011	09/21/11	TJH
B	PER DADE LETTER DATED APRIL 19, 2011	08/05/11	TJH
REV	DESCRIPTION	DATE	

NAN YA PLASTICS CORPORATION, USA  
 8989 NORTH LOOP EAST  
 HOUSTON, TX 77029

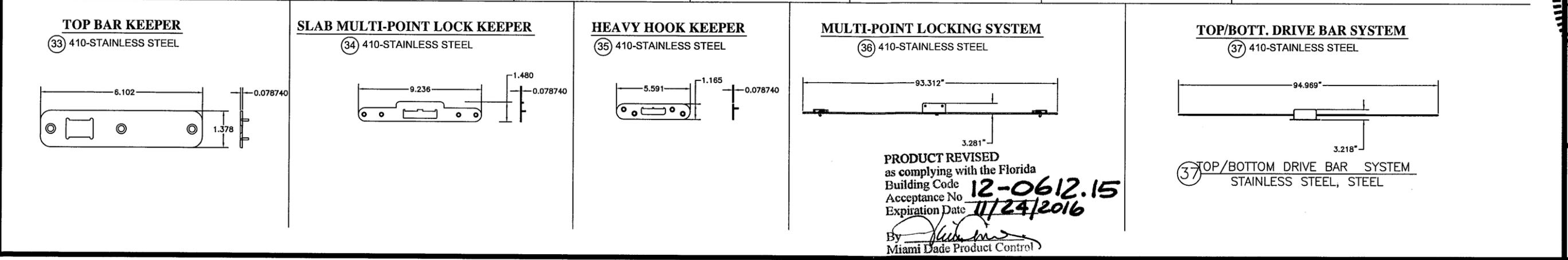
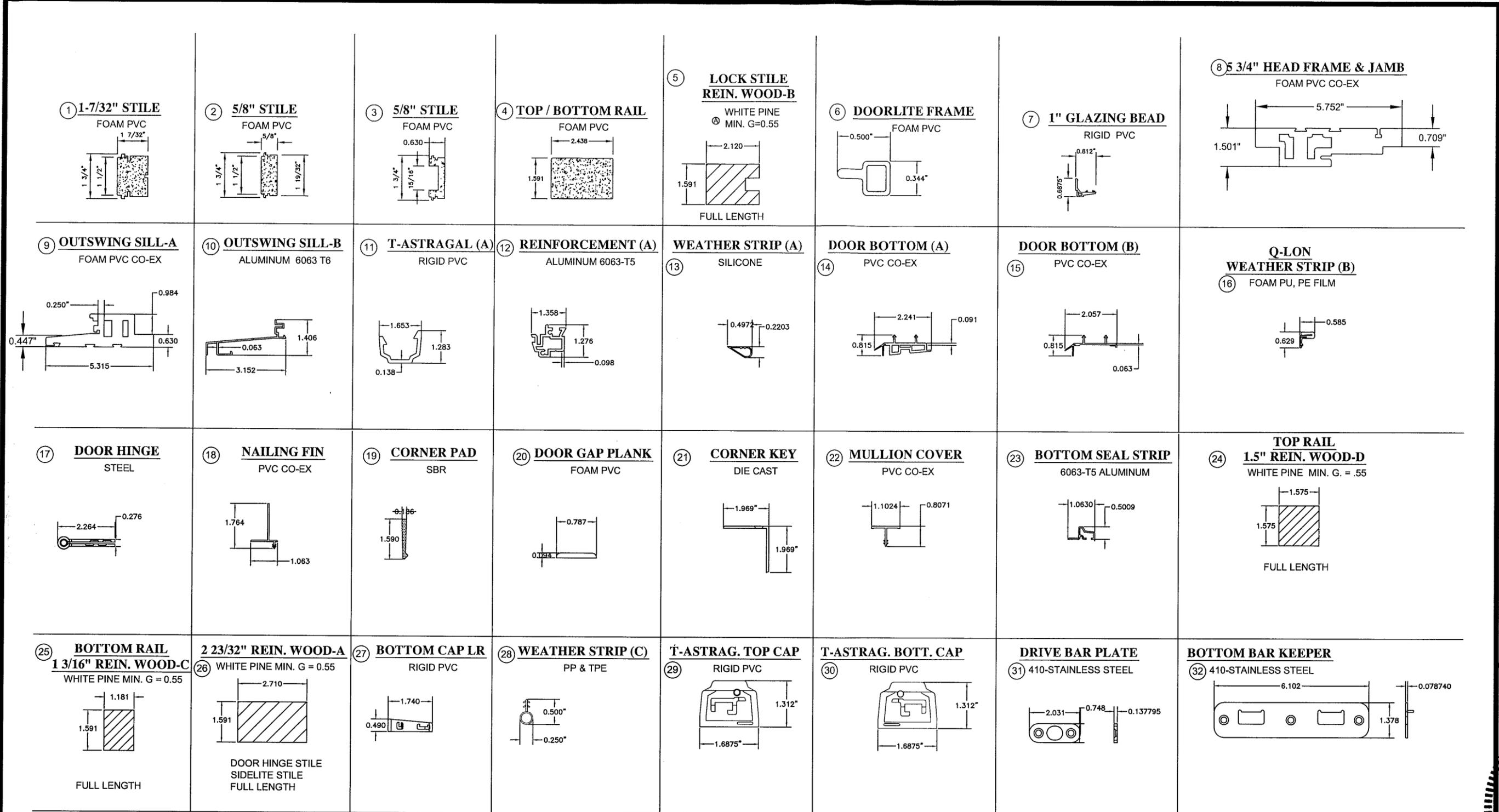
6"1" FIBERGLASS OUTSWING PATIO DOOR  
 CORNER SECTIONS & MULLION SECTIONS

DATE: 11/25/10  
 DRAWN BY: JRM  
 SCALE: N.T.S.  
 DRAWING NO: NAN0023  
 SHEET: 6 OF 8

PTC PRODUCT DESIGN GROUP, LLC  
 PO BOX 520775  
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 Email: info@ptc-corp.com

ROBERT J. AMORUSO  
 Florida P.E. No. 49752

ROBERT JAMES AMORUSO  
 LICENSE  
 No 49752  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No **12-0612.15**  
Expiration Date **11/24/2016**  
By *[Signature]*  
Miami Dade Product Control

PROJECT #411-1002	
D	UPDATE TO 2010 FBC
C	PER DADE LETTER DATED SEPT. 21, 2011
B	PER DADE LETTER DATED APRIL 19, 2011
REV	DESCRIPTION
TJH	DATE
TJH	BY

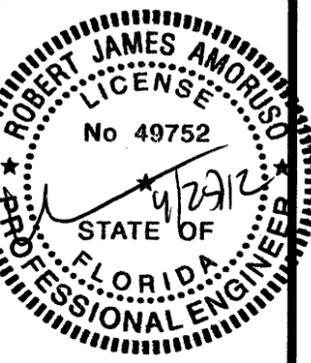
NAN YA PLASTICS CORPORATION, USA  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

611" FIBERGLASS OUTSWING PATIO DOOR COMPONENTS

DATE: 11/25/10  
DRAWN BY: JRM  
SCALE: N.T.S.  
DRAWING NO: NAN0023  
SHEET: 7 OF 8  
REV: D

PREPARED BY: *[Signature]*  
PTC PRODUCT DESIGN GROUP, LLC  
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ROBERT J. AMORUSO  
Florida P.E. No. 49752



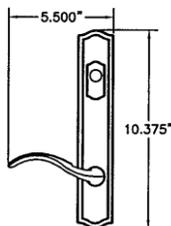
### BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL	MANUF.
1	1-7/32" STILE	FOAM PVC FTU = 6,019 PSI	NAN YA
2	5/8" STILE	FOAM PVC FTU = 6,019 PSI	NAN YA
3	5/8" STILE FOR MULTI-POINT SIDE	FOAM PVC FTU = 6,019 PSI	NAN YA
4	TOP AND BOTTOM RAIL	FOAM PVC FTU = 6,019 PSI	NAN YA
5	2 1/8" REINFORCED WOOD -B	WHITE PINE MIN. G=0.42	NANYA
6	DOORLITE FRAME	FOAM PVC FTU = 6,019 PSI	NANYA
7	GLAZING BEAD	RIGID PVC FTU = 6,140PSI	NAN YA
8	HEAD, FRAME AND JAMB	FOAM PVC CO-EX FTU = 6,019 PSI	NANYA
9	OUTSWING SILL A	FOAM PVC CO-EX FTU = 6,019 PSI	NANYA
10	OUTSWING SILL B	ALUMINUM 6063 T-5	SEE NOTE BELOW
11	T-ASTRAGAL A	RIGID PVC CO-EX FTU = 6,019 PSI	-----
12	REINFORCEMENT A	ALUMINUM	SEE NOTE BELOW
13	WEATHER STRIP A	SILICONE	-----
14	DOOR BOTTOM A	PVC CO-EX FTU = 6,019 PSI	NANYA
15	DOOR BOTTOM B	PVC CO-EX FTU = 6,019 PSI	NANYA
16	Q-LON WEATHER STRIP B	URETHANE FOAM	-----
17	DOOR HINGE	STEEL	-----
18	NAILING FIN	PVC CO-EX FTU = 6,019 PSI	NAN YA
19	CORNER PAD	SBR	-----
20	DOOR GAP PLANK	FOAM PVC FTU = 6,019 PSI	-----
21	CORNER KEY	DIE CAST	-----
22	MULLION COVER	PVC CO-EX FTU = 6,019 PSI	NANYA
23	BOTTOM SEAL STRIP	ALUMINUM 6063 T-5	SEE NOTE BELOW
24	1.5" REIN. WOOD	WHITE PINE MIN. G=0.42	NANYA
25	1-3/16" REINFORCED WOOD-C	WHITE PINE MIN. G=0.42	NANYA
26	2-23/32" REINFORCED WOOD-A	WHITE PINE MIN. G=0.42	NANYA
27	BOTTOM CAP LR	RIGID PVC FTU = 6,140PSI	NANYA
28	WEATHER STRIP C	PP & TPA	-----
29	T-ASTRAGAL - A TOP CAP	RIGID PVC FTU = 6,140PSI	NANYA
30	T-ASTRAGAL A BOTTOM CAP	RIGID PVC FTU = 6,140PSI	NANYA
31	DRIVE BAR PLATE	STAINLESS STEEL	-----
32	BOTTOM BAR KEEPER	SAINLESS STEEL	-----

ALUMINUM COMPONENTS NOTE:  
ALUMINUM COMPONENTS NUMBERS 10, 12, 23 AND 44 ARE  
EXTRUDED BY SHANG YIH DAR ALUMINUM COMPANY LTD.

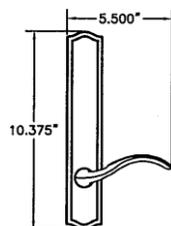
**HANDLE SETS**

38 DIE CAST



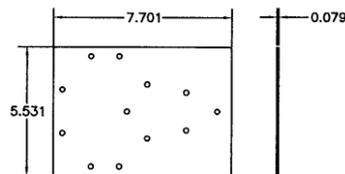
**HANDLE SETS**

39 DIE CAST



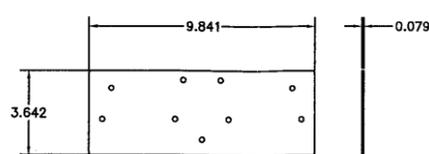
**FASTENER PLATE**

42 410-STAINLESS STEEL  
Fy MIN. = 87ksi



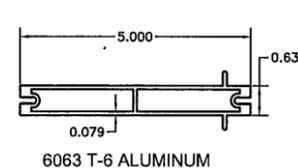
**CONNECTION PLATE**

43 410-STAINLESS STEEL  
Fy MIN. = 87ksi

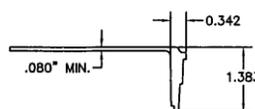


**REINFORCING MULLION**

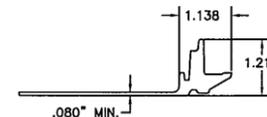
44 6063 T-6 ALUMINUM  
Ix = 3.083 IN<sup>4</sup>  
Sx = 1.18 IN<sup>4</sup>



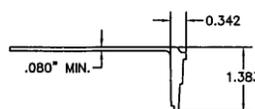
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INTERIOR SKIN  
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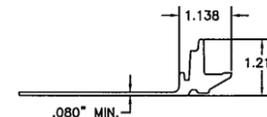
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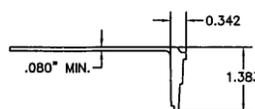
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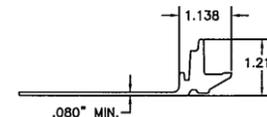
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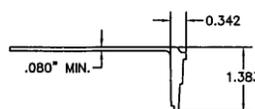
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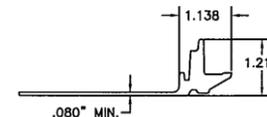
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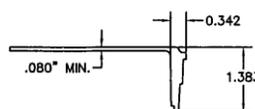
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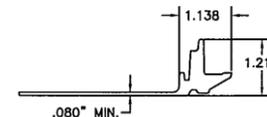
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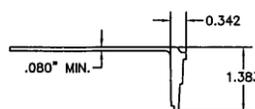
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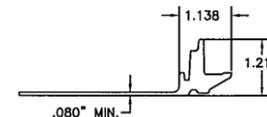
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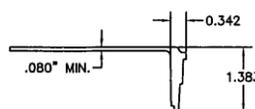
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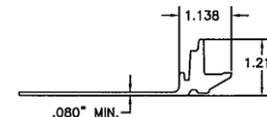
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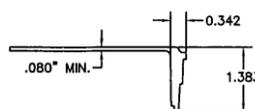
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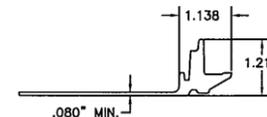
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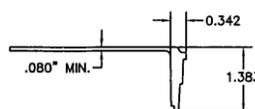
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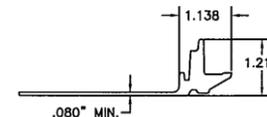
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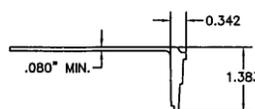
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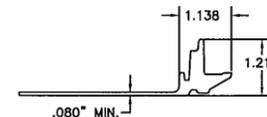
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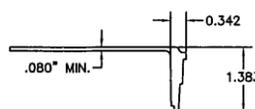
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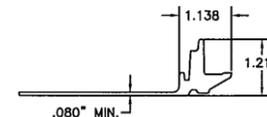
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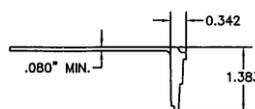
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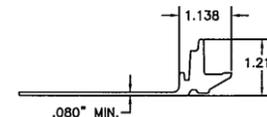
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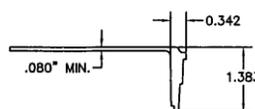
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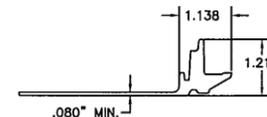
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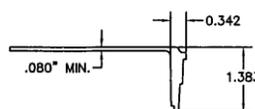
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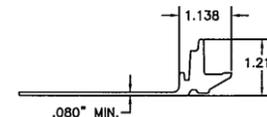
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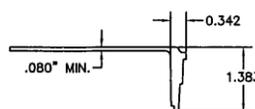
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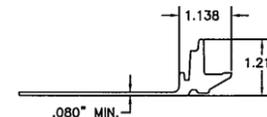
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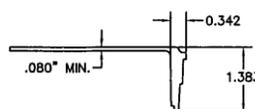
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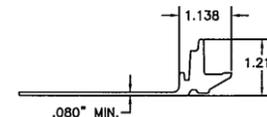
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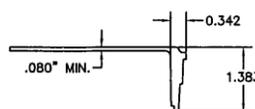
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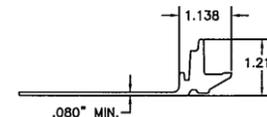
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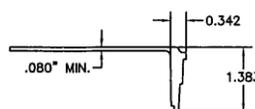
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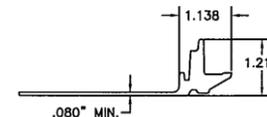
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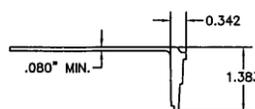
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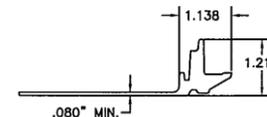
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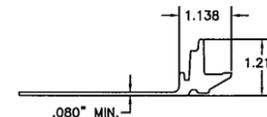
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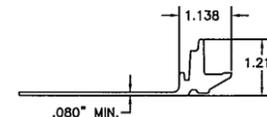
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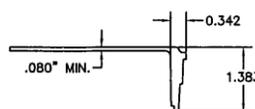
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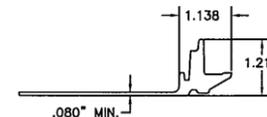
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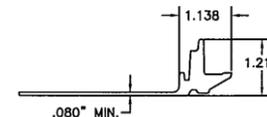
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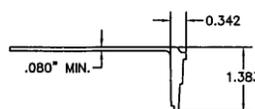
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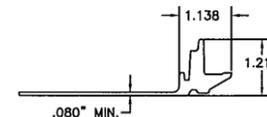
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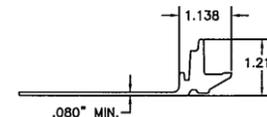
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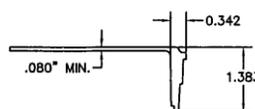
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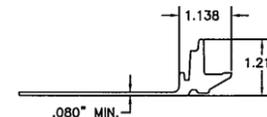
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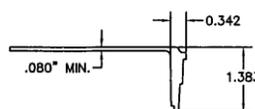
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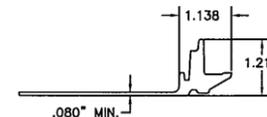
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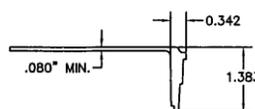
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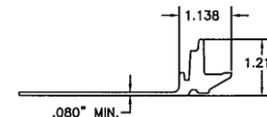
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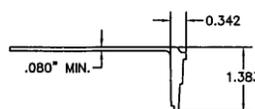
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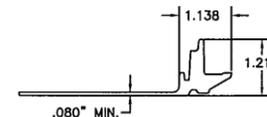
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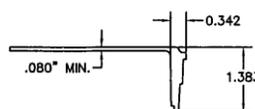
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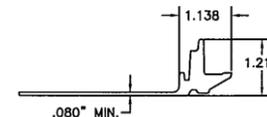
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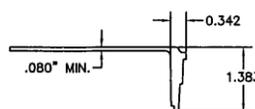
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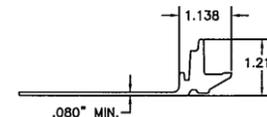
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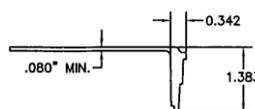
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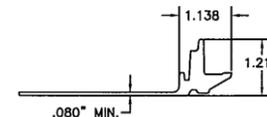
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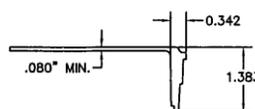
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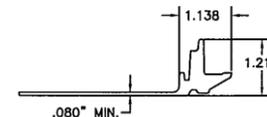
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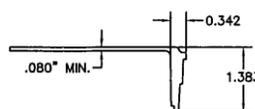
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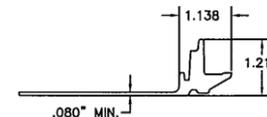
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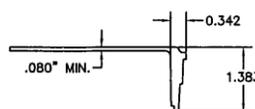
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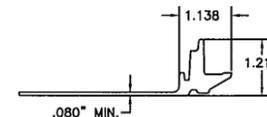
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