



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Vintage Ironworks, LLC
671 Newbury Port Ave.,
Altamonte Spring, Fl. 32701

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 Outswing Glazed Steel Doors w/ wo Transoms and /or Sidelites – L.M.I.

APPROVAL DOCUMENT: Drawing No. VIN0001 Rev K, titled series "Steel Outswing Doors w/ & w/o Sidelights & Transoms", sheets 01 through 15 of 15, dated 07/22/08 and last revised on 11/06/23, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E., bearing the Miami-Dade County Product Control Section Renewal 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 Resistant

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

REVISION 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 **renews** NOA No. 23-1129.01 and consists of page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



4
7/21/25

NOA No. 25-0424.03
Expiration Date: April 15, 2026
Approval Date: July 10, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **VIN0001**, titled series "Steel Outswing Doors w/ & w/o Sidelights & Transoms", sheets 01 through 15 of 15, dated 07/22/08 with revision "**F**" dated 04/13/14, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.

B. TESTS (*Submitted under previous NOA No. 08-0807.21*)

1. Test reports 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 SFBC, PA 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of Steel Outswing Doors w/ & w/o Sidelights & Transoms, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL 210-3485-1**, dated 12/04/07, signed and sealed by Gerard J. Ferrara, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004/ 2007, prepared by PTC, LLC, dated 07/15/08, signed and sealed by Paul E. Winter, P. E.
(*Submitted under previous NOA No. 08-0807.21*)
2. Glazing complies with ASTM E 1300-02/ 98.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **12-1231.09** issued to **Eastman Chemical Company (MA)** for their "**Saflex HP Clear or Color Glass Interlayers**" dated 03/28/13, expiring on 04/14/18.

F. STATEMENTS

1. Statement letter of no financial interest, conformance to and complying with **FBC 5th Edition (2014)**, issued by PTC, LLC, dated 04/13/14, prepared, signed and sealed by Robert J. Amoruso, P. E.
2. Statement letter of no financial interest, conformance to and complying with **FBC-2010**, issued by PTC, LLC, dated 05/10/12, prepared, signed & sealed by Robert J. Amoruso, P. E.
3. Test Proposal issued by the Product Control Section, dated 09/04/07, signed by Ishaq Chanda, P. E.
4. Lab compliance letter, part of the above referenced test report.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 25-0424.03
Expiration Date: April 15, 2026
Approval Date: July 10, 2025

Vintage Ironworks, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHERS

1. Notice of Acceptance No. **12-0604.02**, issued to Vintage Ironworks, LLC for their Series “**Steel Outswing Doors with & without Sidelights & Transoms – L.M.I.**”, approved on 08/02/12 and expiring on 04/15/14.

2. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **VIN0001 Rev G**, titled series “Steel Outswing Doors w/ & w/o Sidelights & Transoms”, sheets 01 through 15 of 15, dated 07/22/08 and last revised on 06/23/19, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0301.05** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for their “**Saflex HP Clear or Color Glass Interlayers**”, expiring on 04/14/23.

F. STATEMENTS

1. Statement letter of to complying with **FBC 6th Edition (2017)** and “no financial interest, issued by PTC, LLC, dated 06/25/19, signed and sealed by Robert J. Amoruso, P. E.
2. Statement letter from Vantage Ironworks, LLC dated April 5th, 2019, requesting 1-year renewal, due to on-going verification test at NCTL lab, signed by William J. Walters III, President.

G. OTHERS

1. This NOA **renews & revises** NOA No. **14-0421.02**, expiring 04/15/2020.



Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 25-0424.03
Expiration Date: April 15, 2026
Approval Date: July 10, 2025

Vintage Ironworks, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **VIN0001 Rev H**, titled series “Steel Outswing Doors w/ & w/o Sidelights & Transoms”, sheets 01 through 15 of 15, dated 07/22/08 and last revised on 04/14/2020, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.
(Note: This renewal is without any change, except address change)

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18–0301.05** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for their “**Saflex HP Clear or Color Glass Interlayers**”, expiring on 04/14/23.

F. STATEMENTS

1. Statement letter dated 04/14/20, issued by PTC, LLC for the compliance to **FBC 6th Edition (2017)**, “no financial interest” and “no DWG change other than adress”, signed and sealed by Robert J. Amoruso, P. E.
2. Statement letter dated 04/14 by Vantage Ironworks, LLC requesting renewal without product change, signed by Ms. Brigitte Palumbo, Manager.

G. OTHERS

1. This NOA **revises & renews** NOA No. **19-0520.05**, expiring 04/15/2025.



Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 25-0424.03
Expiration Date: April 15, 2026
Approval Date: July 10, 2025

Vintage Ironworks, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **VIN0001 Rev J**, titled series “Steel Outswing Doors w/ & w/o Sidelights & Transoms”, sheets 01 through 15 of 15, dated 07/22/08 and last revised on 01/04/2021, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.
(Note: This revision is FBC 2020 (7th Edition) update notes only)

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **18–0301.05** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for their “**Saflex HP Clear or Color Glass Interlayers**”, expiring on 04/14/23.

F. STATEMENTS

1. Statement letter of FBC 2020 (7th Edition) dated 01/04/21, “no financial interest” and “no DWG change other than code update notes”, signed and sealed by Robert J. Amoruso, P. E.

G. OTHERS

1. This NOA revises **NOA No. 20-0417.03**, expiring 04/15/2025.



Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 25-0424.03
Expiration Date: April 15, 2026
Approval Date: July 10, 2025

Vintage Ironworks, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. New Evidence submitted

A. DRAWINGS (submitted under previous approval)

1. Drawing No. **VIN0001 Rev K**, titled series “Steel Outswing Doors w/ & w/o Sidelights & Transoms”, sheets 01 through 15 of 15, dated 07/22/08 and last revised on 11/06/2023, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.
(Note: This renewal is for one-year conditional approval only)

B. TESTS (submitted under previous approval)

1. None.

C. CALCULATIONS (submitted under previous approval)

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **23-0713.20** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for their “**Saflex HP Clear or Color Glass Interlayers**”, expiring on 04/14/28.

F. STATEMENTS

1. Statement letter of FBC 2023 (8th Edition) dated 11/06/23, “no financial interest” and “no DWG change other than code update notes”, signed and sealed by Robert J. Amoruso, P. E. (submitted under previous approval)
2. Statement letter dated June 27, 2025, issued by PRI Construction Material Technologies, LLC, of the upcoming verification testing of a glazed Iron door with Transom, for Vintage Iron Works, signed by Timothy Efaw, manager.

G. OTHERS

1. This NOA **renews NOA No. 23-1129.01**, conditionally for one year subjected to verification test, expiring 04/15/2026.



Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 25-0424.03
Expiration Date: April 15, 2026
Approval Date: July 10, 2025


VINTAGE IRONWORKS


STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOMS

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 7TH EDITION (2020) FLORIDA BUILDING CODE (FBC), INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIREMENTS AND AT THE DESIGN PRESSURES STATED HEREIN.
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. NCTL-210-3485-1 DATED 12-04-07, AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
3. THE PRODUCT HAS BEEN EVALUATED FOR CONFORMANCE TO THE STANDARDS LISTED IN THE FLORIDA BUILDING CODE (FBC) AND IS IN COMPLIANCE WITH SAID STANDARDS, INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIREMENTS.
4. 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 FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
5. 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 ENGINEER OR ARCHITECT OF RECORD.
6. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED FOR USE WITH THIS DOCUMENT.

7. IN HVHZ AREAS, USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE HVHZ REQUIREMENTS OF THE FBC IS NOT REQUIRED FOR THE PRODUCT(S) HEREIN.
8. DOOR FRAME AND PANEL MATERIAL: 14 GA. STEEL
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1 SEE SHEET 7 FOR GLAZING DETAILS. 
10. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL
11. A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCT(S) SHOWN HEREIN, EXCEPT IN WOOD.



 TABLE OF CONTENTS		
SHEET	REV.	SHEET DESCRIPTION
1	F	GENERAL NOTES, INSTALLATION NOTES & D.P. CHART
2	D	ELEVATION & ANCHOR LAYOUT
3	D	ELEVATION & ANCHOR LAYOUT
4	D	ELEVATION & ANCHOR LAYOUT
5	D	VERTICAL SECTIONS
6	C	VERTICAL AND HORIZONTAL SECTIONS
7	F	HORIZONTAL SECTIONS AND GLAZING DETAILS
8	D	HORIZONTAL SECTIONS
9	-	HORIZONTAL SECTIONS
10	D	VERTICAL SECTIONS
11	C	VERTICAL AND HORIZONTAL SECTIONS
12	C	HORIZONTAL SECTIONS
13	A	QUALIFIED CONFIGURATIONS
14	F	COMPONENTS AND BILL OF MATERIALS
15	D	WELDING SCHEDULE AND DETAILS


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.
3. AT EACH INSTALLATION ANCHOR, SHIM GAPS THAT ARE EQUAL TO OR GREATER THAN 1/16". MAXIMUM ALLOWABLE SHIM SIZE IS 1/4".
4. FOR INSTALLATION INTO WOOD FRAMING, USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT.
5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 5/16 INCH ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
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 ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER BELOW.

10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

- A. WOOD - PT SOUTHERN YELLOW PINE - MINIMUM SPECIFIC GRAVITY OF 0.55.
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2899 PSI AND COMPLIES WITH ACI 301. 
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90. 

11. THE STRUCTURAL PERFORMANCE TEST REPORT INDICATES THAT HINGE FRAME SCREWS WERE NOT REPLACED WITH ADDITIONAL INSTALLATION ANCHORS  SCREWS DURING PRODUCT TESTING. HINGE INSTALLATION, USING TESTED HINGE SCREWS, IS QUALIFIED BY SATISFACTORY TEST PERFORMANCE.


12. ALUMINUM IN CONTACT WITH WOOD OR OTHER ABSORBING MATERIALS WHICH MAY BECOME REPEATEDLY WET SHALL BE PAINTED WITH TWO COATS OF ALUMINUM METAL-AND-MASONRY PAINT OR A COAT OF HEAVY-BODIED BITUMINOUS PAINT, OR THE WOOD OR OTHER ABSORBING MATERIAL SHALL BE PAINTED WITH TWO COATS OF ALUMINUM HOUSE PAINT AND THE JOINTS SEALED WITH A GOOD QUALITY CAULKING COMPOUND. WHERE ALUMINUM IS IN CONTACT WITH TREATED WOOD, WOOD SHALL BE TREATED WITH PENTACHLOROPHENOL, 5 PERCENT MINIMUM CONCENTRATION, CREOSOTE, OR ZINC NAPHTHANATE, FOLLOWING THE PROTECTIVE MEASURES OUTLINED ABOVE.

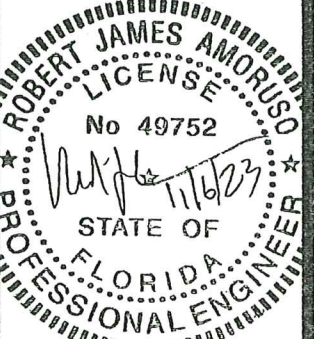
13. ALUMINUM IN CONTACT WITH STEEL SHALL BE PROTECTED AS FOLLOWS:


A. PAINTING DISSIMILAR METALS WITH ZINC-CHROMATE PRIMER AND 2 COATS ALUM METAL-AND -CONCRETE PAINT, EXCLUDING LEAD PIGMENTATION.
B. PAINTING DISSIMILAR METALS WITH HEAVY-BODIED BITUMINOUS PAINT.
C. APPLYING A NONABSORPTIVE TAPE OR GASKET
D. HOT-DIP GALVANIZING OR ZINC-PLATING STEEL MEMBERS AFTER FABRICATION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By *Ishtay I. Chandra*
Miami-Dade Product Control

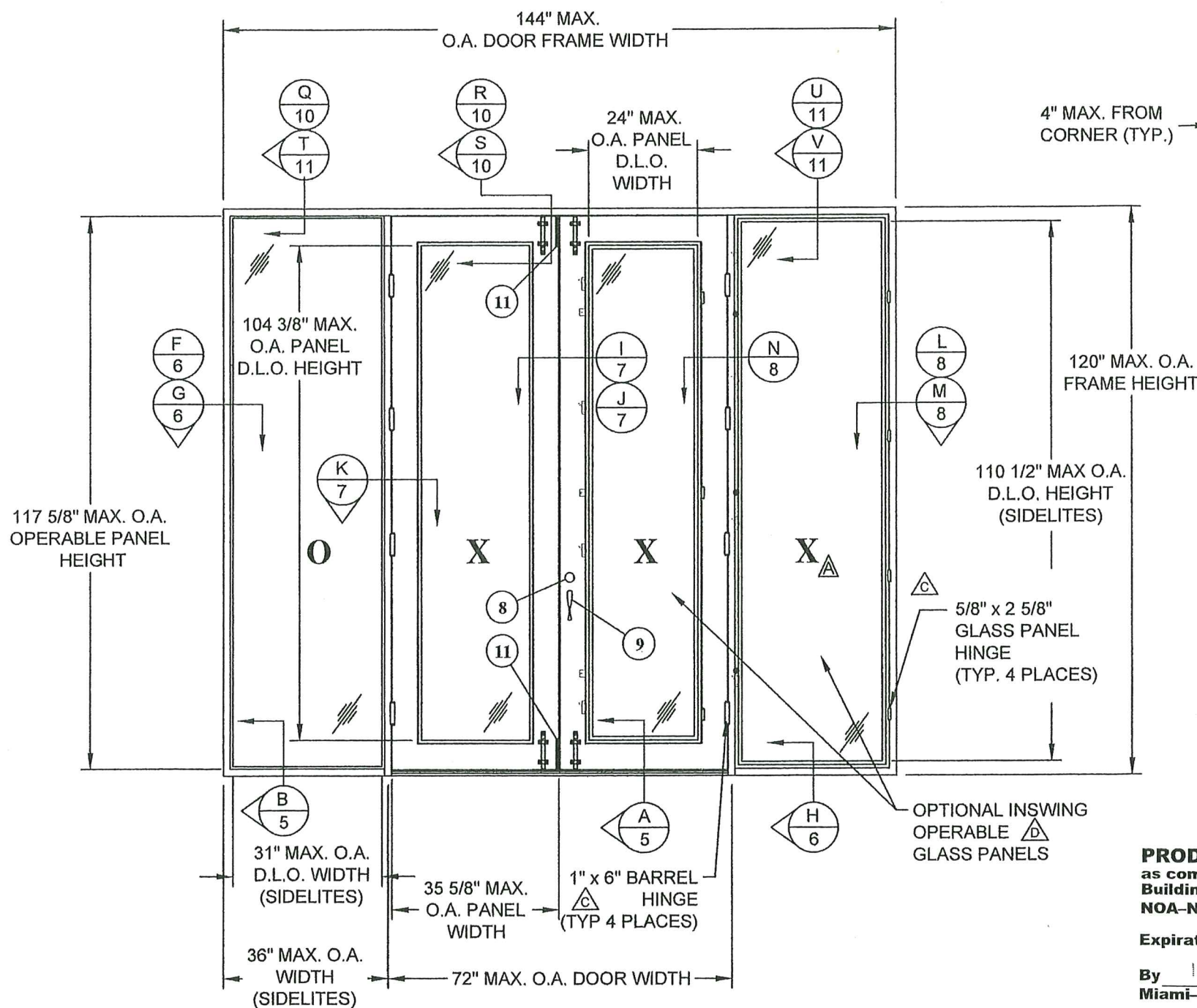
DESIGN PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	LARGE MISSLE IMPACT
±45.0	±80.0	

PROJECT NO. 423-0902				
K	Update to 8th Edition (2023) FBC	10/18/23	RJA	
J	Update to 7th Edition (2020) FBC	1/4/2021	RJA	
H	CHANGED MANUFACTURER'S ADDRESS	4/14/2020	RJA	
REV	DESCRIPTION	DATE	BY	

VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTA MONTE SPRINGS, FL 32701				
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM GENERAL NOTES, INSTALLATION NOTES & D.P. CHART				
DATE:	07/22/08	DRAWING NO:	VIN0001	SHEET: 1 OF 15
DRAWN BY:	CB	SCALE:	N.T.S.	REV: K
PREPARED BY:	 PFC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 Phone 321.690.1788 Fax 321.690.1789 FBBE Cert. of Authorization No. 25935 Email: info@pfc-corp.com			

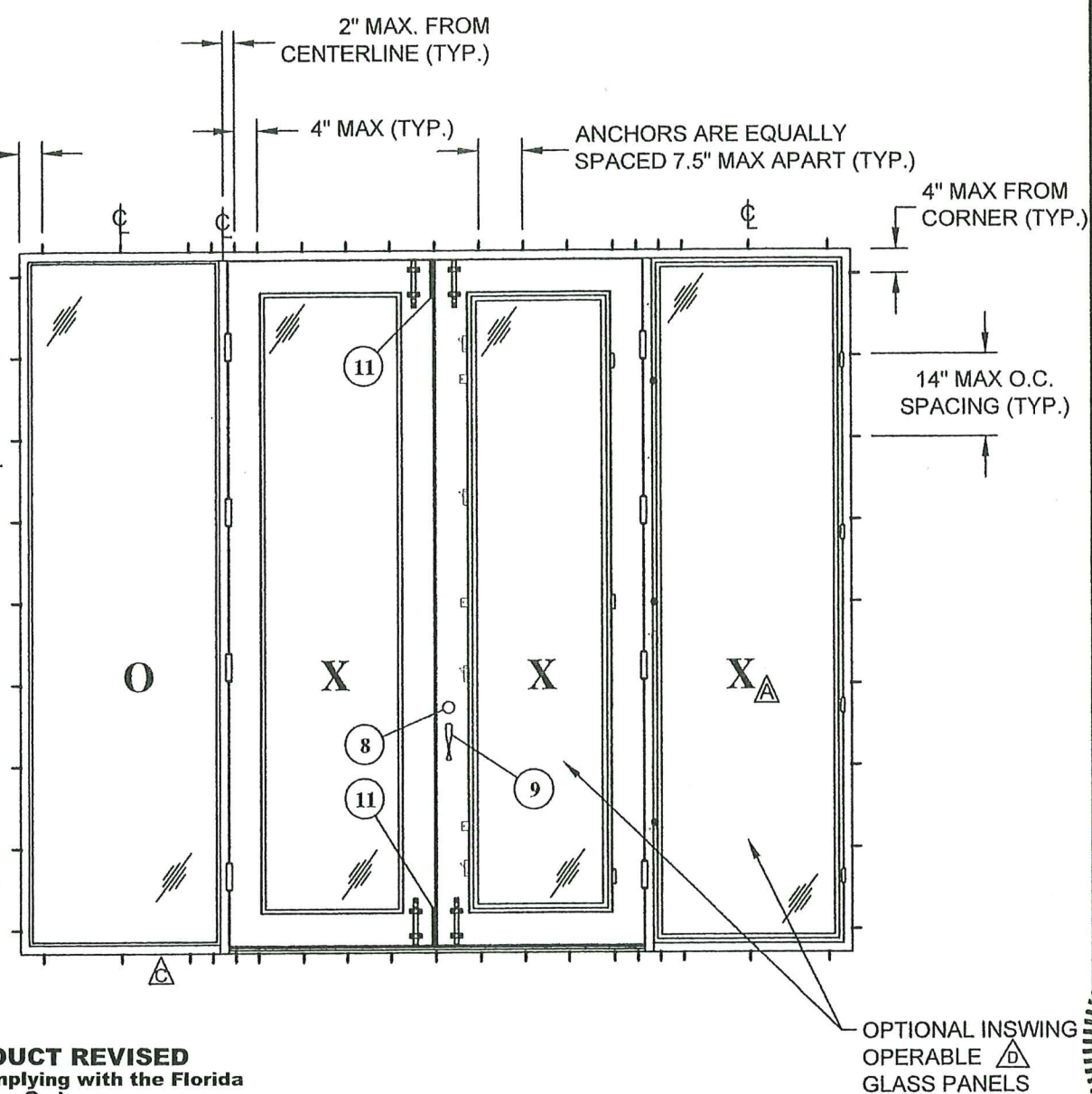
Robert J. Amoroso, P.E.
FL P.E. No. 49752


PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.02**
Expiration Date **04/15/2026**
By *Ishtay I. Chandra*
Miami-Dade Product Control



ELEVATION
INTERIOR VIEW

NOTE:
HINGES SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL HINGES, IF DESIRED, MAY BE USED. MINIMUM OF (4) STEEL SWEEP LOCKS ON OPTIONAL INSWING OPERABLE GLASS PANELS. \triangle



ANCHOR LAYOUT
INTERIOR VIEW

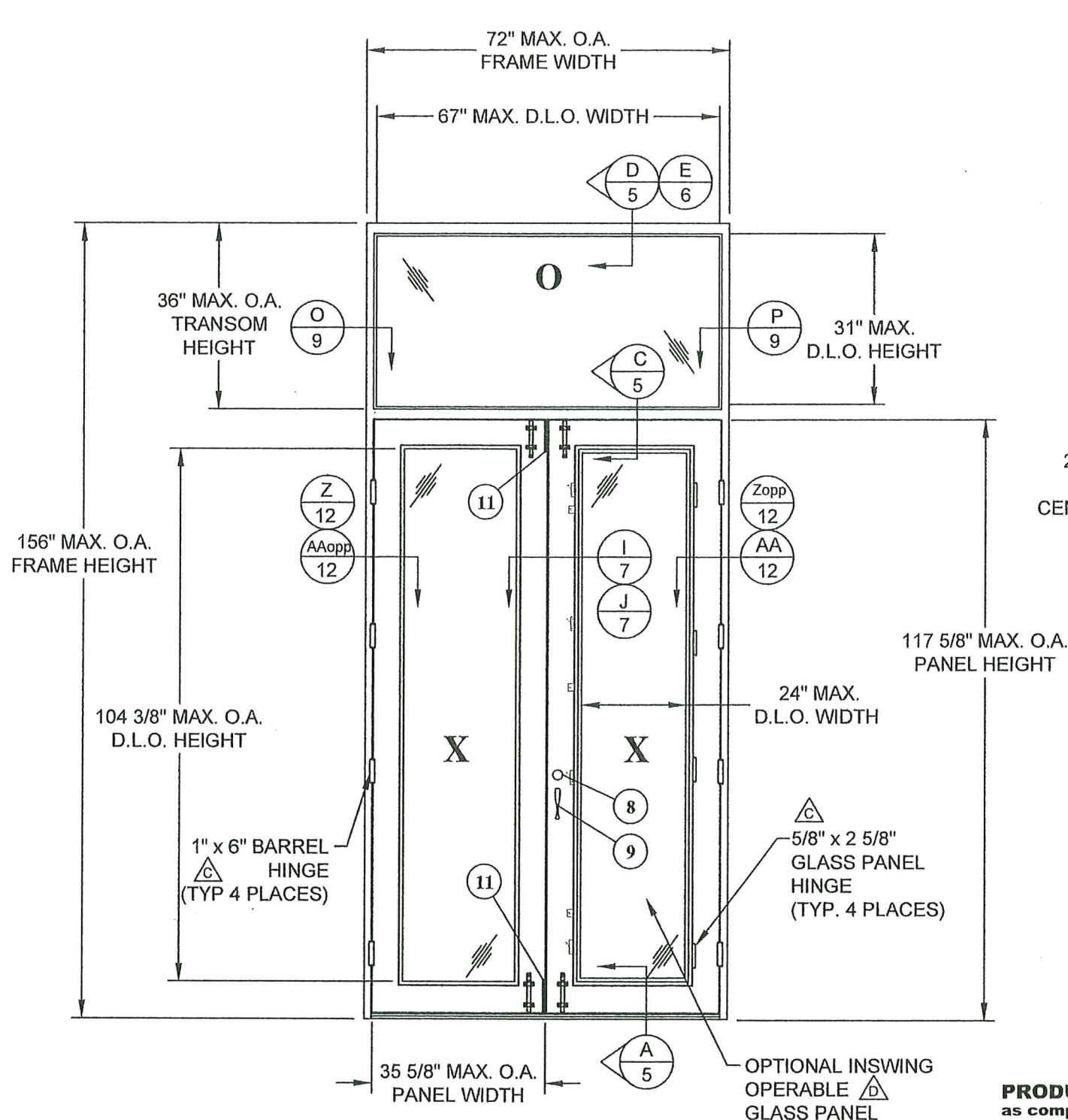
PRODUCT REVISED
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Expiration Date **04/15/2025**
By Iskay I. Chandra
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **4/15/2026**
By Iskay I. Chandra
Miami-Dade Product Control


PROJECT NO. 423-0902	Update to 8th Edition (2023) FBC	Update to 7th Edition (2020) FBC	CHANGED MANUFACTURER'S ADDRESS	DESCRIPTION	DATE	BY
K	10/18/23	1/4/2021	H	REV	4/14/2020	BY

VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701	DATE: 07/22/08	DRAWING NO: VIND001	SHEET: 2 OF 15
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM ELEVATION & ANCHOR LAYOUT	DRAWN BY: CB	SCALE: N.T.S.	REV: K
PREPARED BY: FTC	DATE: 07/22/08	DRAWING NO: VIND001	SHEET: 2 OF 15
FTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 Phone 321.660.1788 Fax 321.660.1789 FBIPE Cert. of Authorization No. 25835 Email: info@ftc-inc.com	DATE: 07/22/08	DRAWING NO: VIND001	SHEET: 2 OF 15

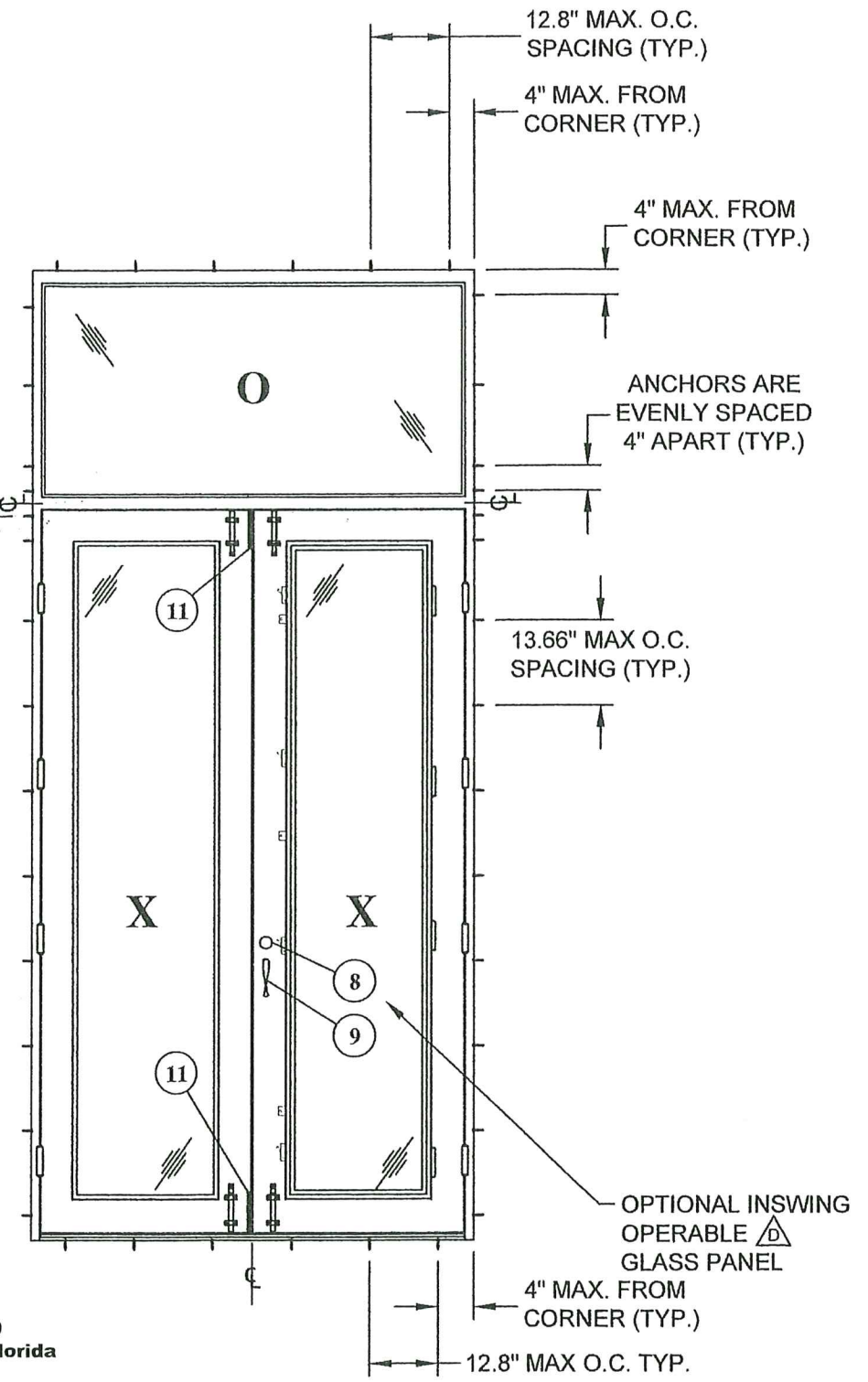
Robert J. Amoroso, P.E.
FL R.E. No. 116752
No 49752
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



ELEVATION
INTERIOR VIEW

NOTE:
HINGES SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL HINGES, IF DESIRED, MAY BE USED. MINIMUM OF (4) STEEL SWEEP LOCKS ON OPTIONAL INSWING OPERABLE GLASS PANELS. 

PRODUCT REVISED
as complying with the Florida Building Code
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By Isheq I. Chank
Miami-Dade Product Control



ANCHOR LAYOUT
INTERIOR VIEW

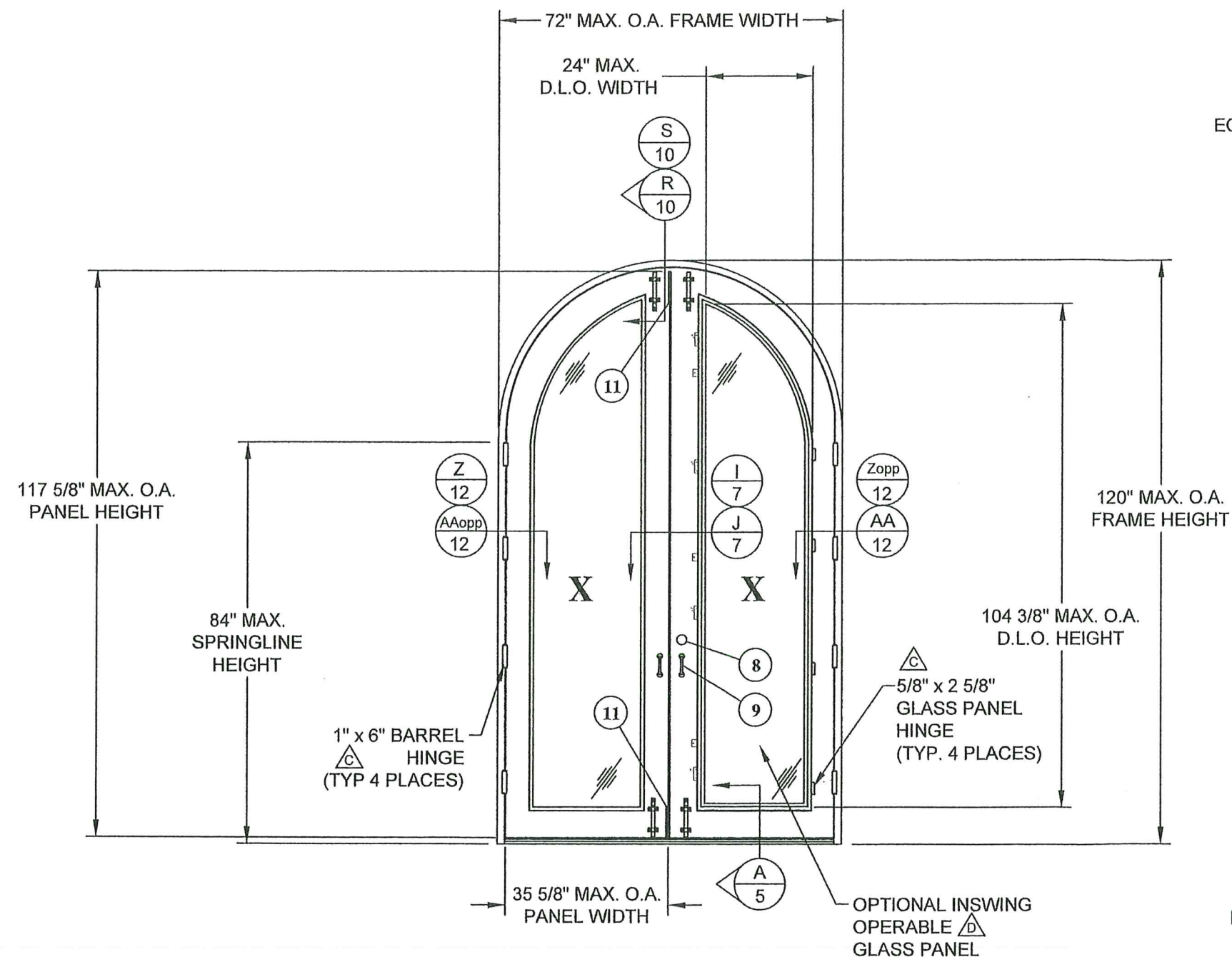
PRODUCT RENEWED
as complying with the Florida Building Code
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By Isheq I. Chank
Miami-Dade Product Control

PROJECT NO. 423-0902		VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701		TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM ELEVATION & ANCHOR LAYOUT	
K	Update to 8th Edition (2023) FBC	J	Update to 7th Edition FBC	H	CHANGED MANUFACTURER'S ADDRESS
RJA	10/18/23	RJA	1/4/2021	RJA	4/14/2020
BY	DATE	REV	DESCRIPTION	DATE	DESCRIPTION

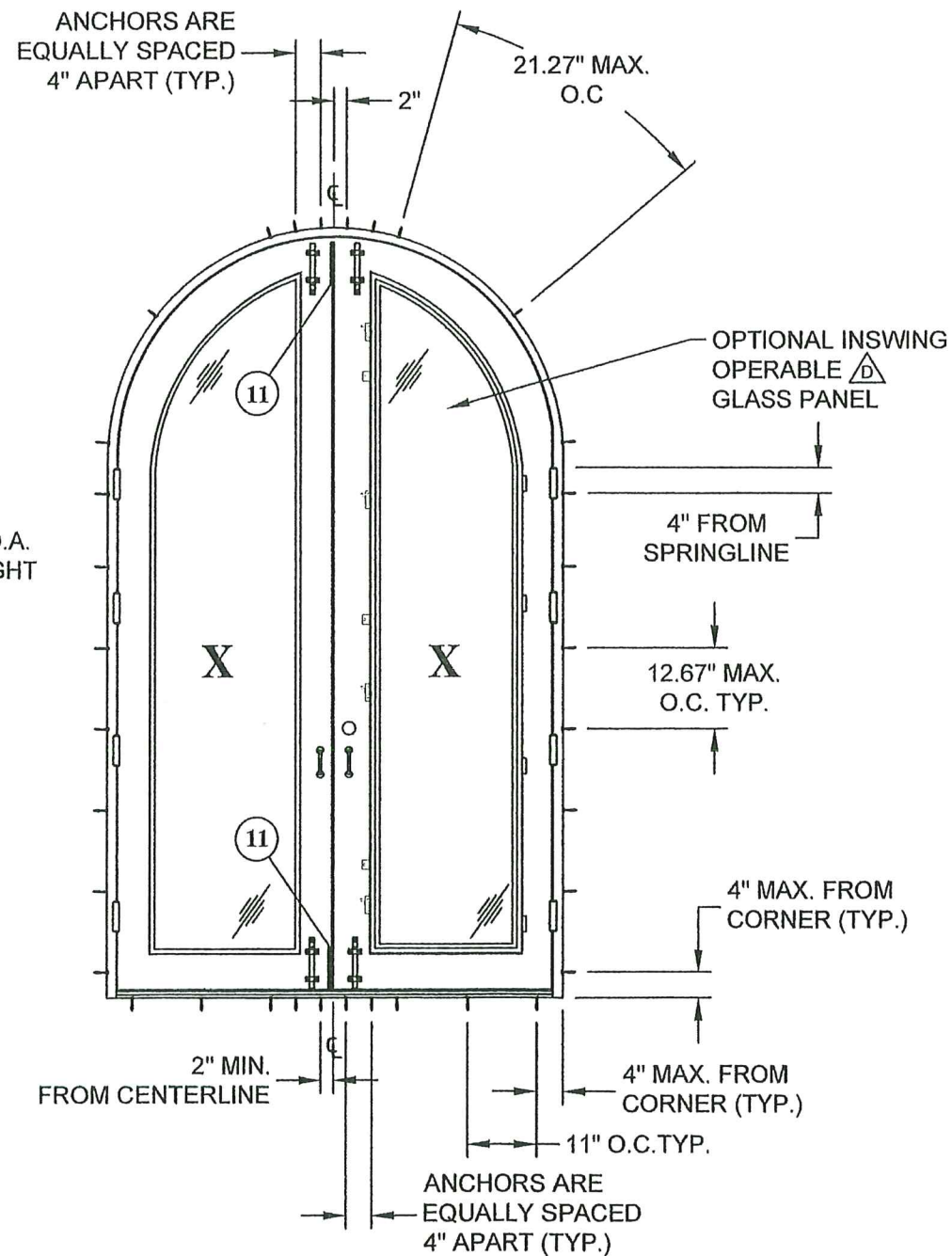
DATE:	07/22/08
DRAWN BY:	CB
SCALE:	N.T.S.
REV:	K
DRAWING NO.:	VIN0001
SHEET:	3 OF 15

Robert J. Amoroso, P.E.
FL P.E. No. 49752


ROBERT JAMES AMOROSO
LICENSE
No 49752
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



ELEVATION
INTERIOR VIEW



ANCHOR LAYOUT
INTERIOR VIEW

NOTE:
HINGES SHOWN ARE THE MINIMUM
REQUIRED. ADDITIONAL HINGES,
IF DESIRED, MAY BE USED. MINIMUM
OF (4) STEEL SWEEP LOCKS
ON OPTIONAL INSWING OPERABLE
GLASS PANELS. 

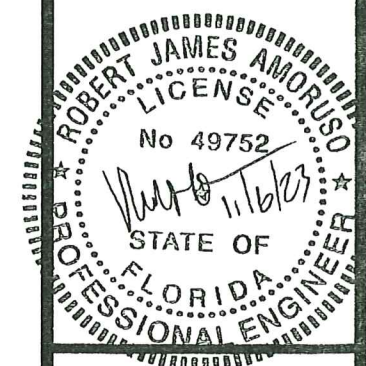
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By Ishag I. Chande
Miami-Dade Product Control

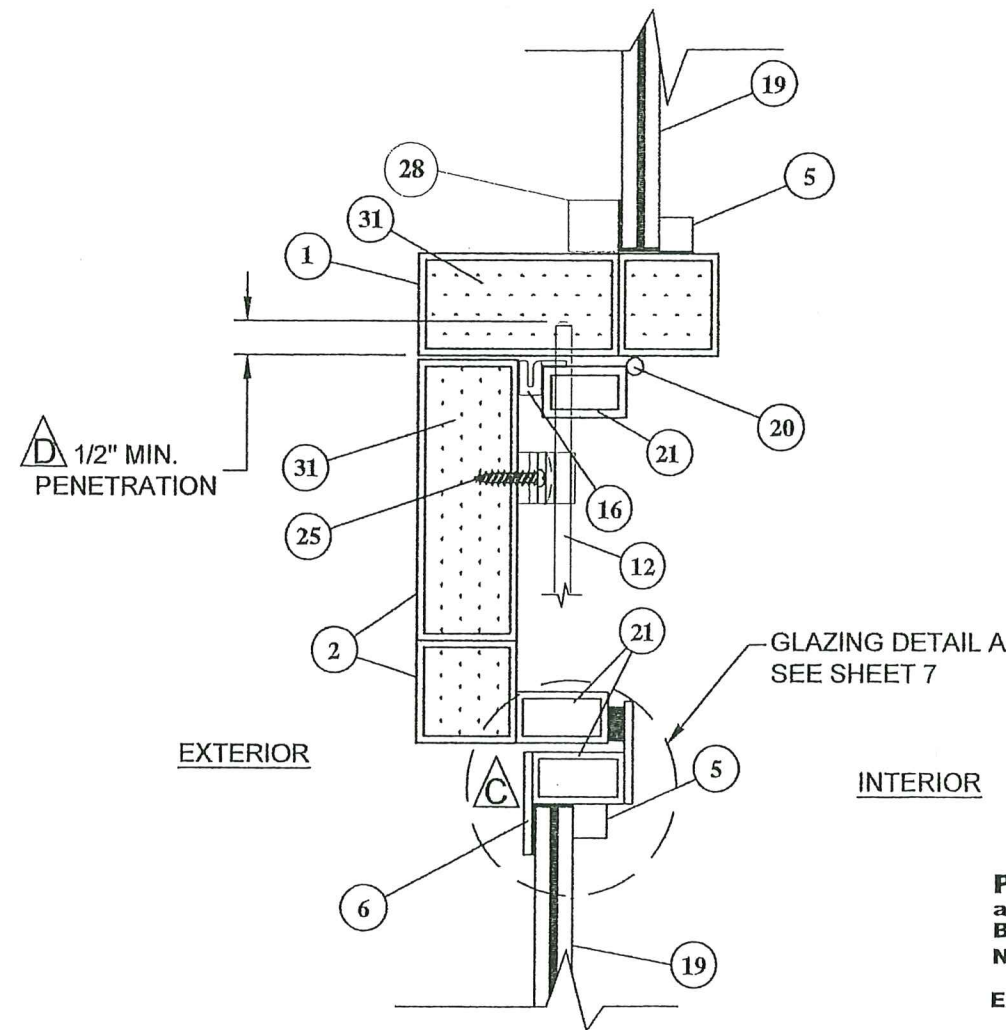
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **04/15/2026**
By Ishag I. Chande
Miami-Dade Product Control

PROJECT NO. 423-0902		RJA	RJA	RJA	BY
Update to 8th Edition (2023) FBC	K	10/18/23	10/18/23	4/14/2020	DATE
Update to 7th Edition (2020) FBC	J	1/4/2021	1/4/2021	4/14/2020	DATE
CHANGED MANUFACTURER'S ADDRESS	H	1/4/2021	1/4/2021	4/14/2020	DATE
DESCRIPTION	REV				

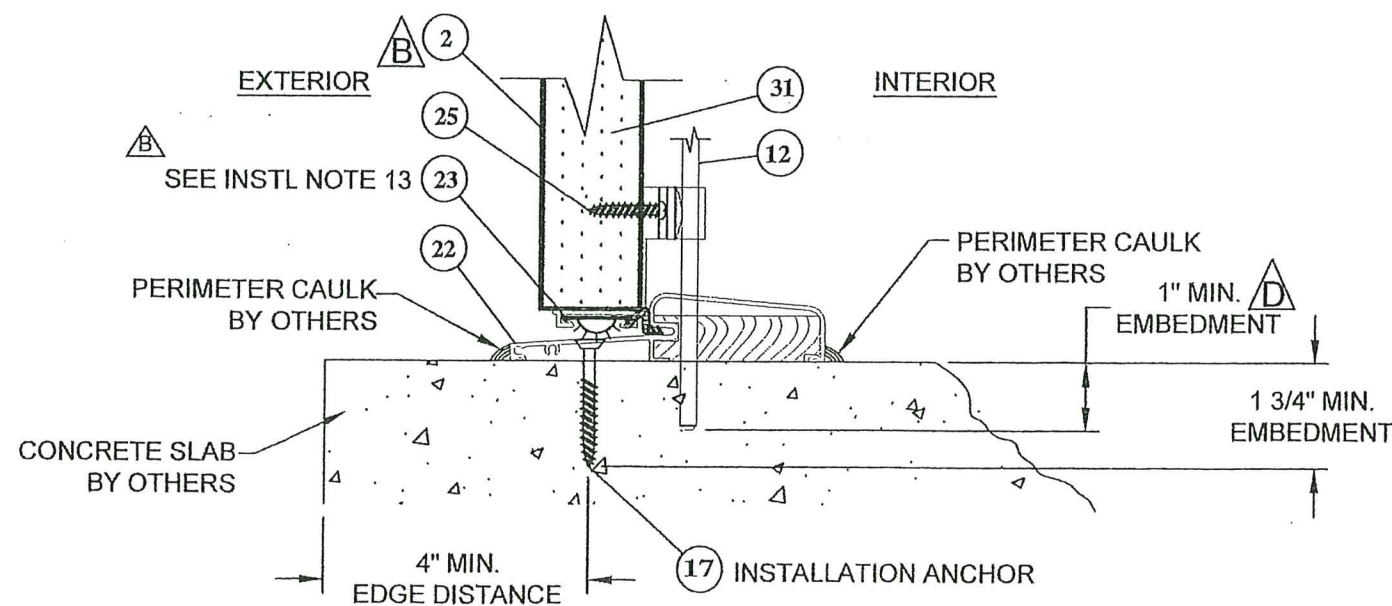
VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701		DATE: 07/22/08		DRAWING NO: VIN0001	
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM ELEVATION & ANCHOR LAYOUT		SCALE: N.T.S.		SHEET: 4 OF 15	
PREPARED BY: CB		DATE: 07/22/08		DRAWING NO: VIN0001	
SCALE: N.T.S.		DATE: 07/22/08		DRAWING NO: VIN0001	
REV: K		DATE: 07/22/08		DRAWING NO: VIN0001	

Robert J. Amoroso, P.E.
FL P.E. No. 49752



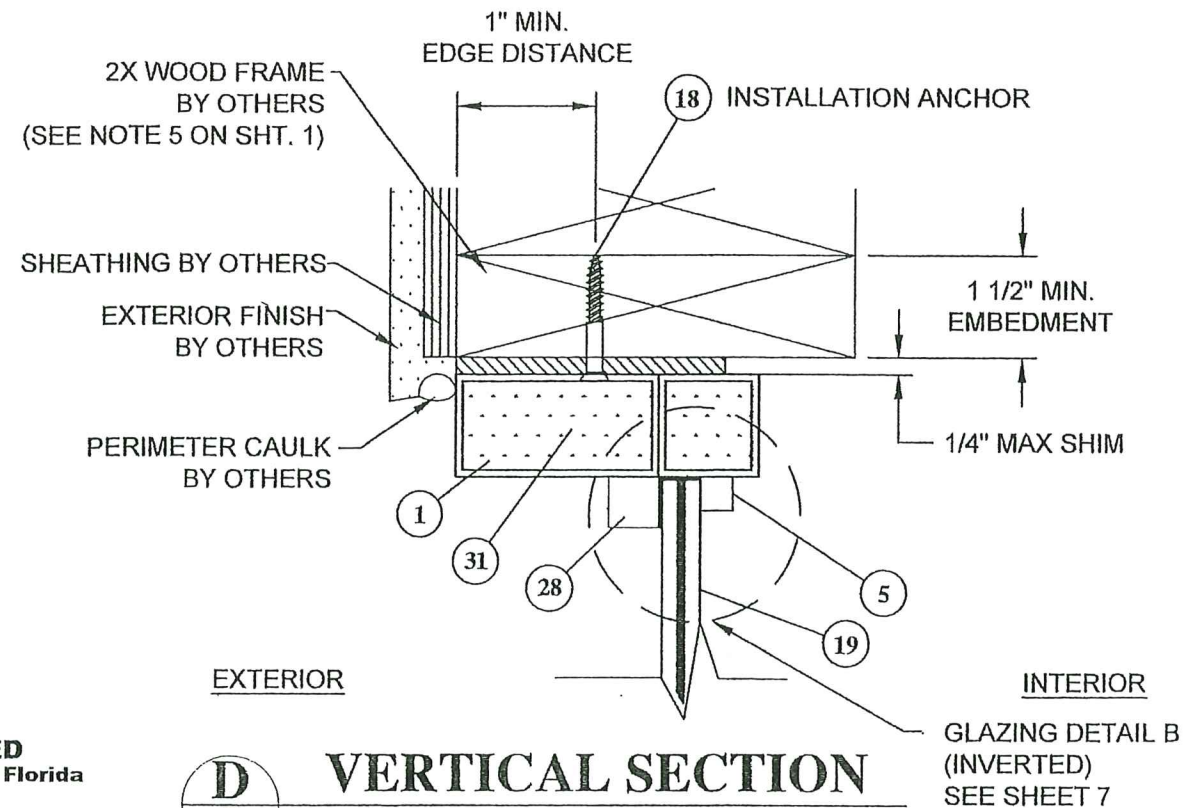


C
5 **VERTICAL SECTION**
HORIZONTAL MULLION

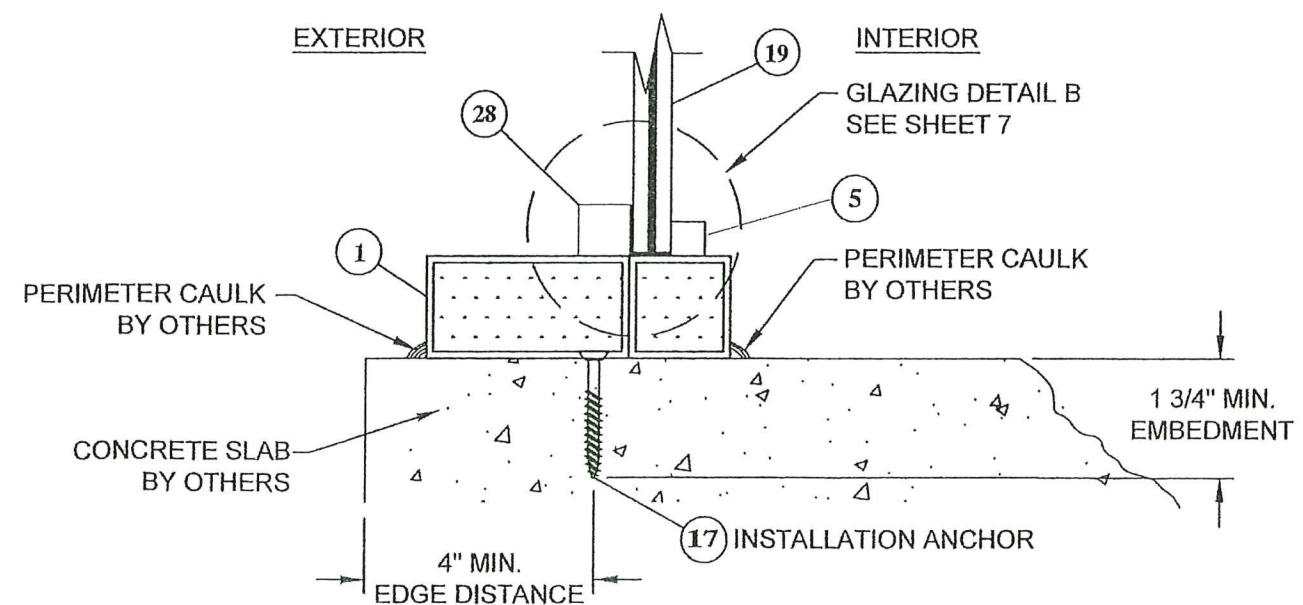


A
5 **VERTICAL SECTION**
THRESHOLD - FRAME DOOR
CONCRETE / MASONRY SUBSTRATE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **04/15/2026**
By **Isaac I. Chando**
Miami Dade Product Control



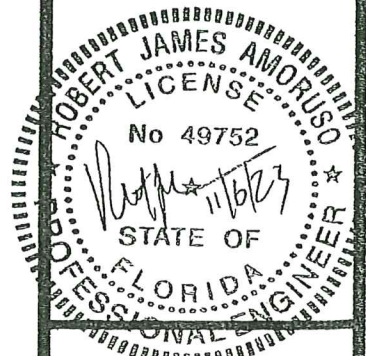
D
5 **VERTICAL SECTION**
HEAD - FIXED TRANSOM
WOOD SUBSTRATE

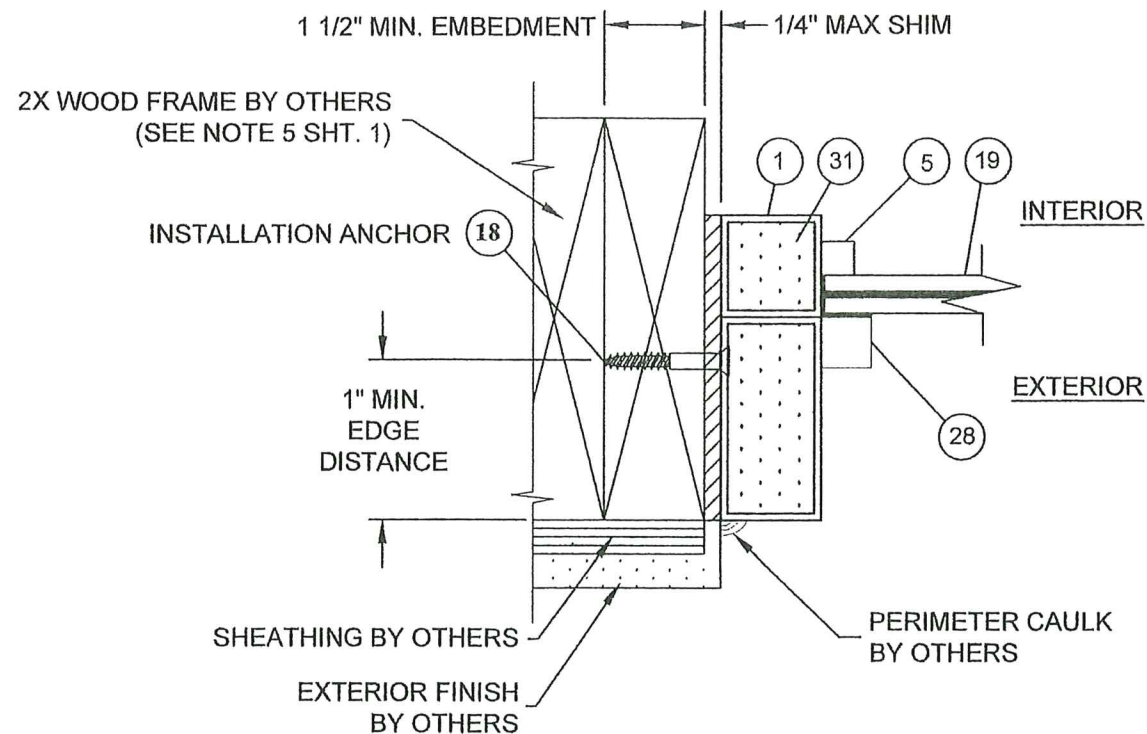


B
5 **VERTICAL SECTION**
SILL - FIXED LITE
CONCRETE / MASONRY SUBSTRATE

PROJECT NO. 423-0902		RJA	10/18/23	RJA	1/4/2021	RJA	4/14/2020	BY
Update to 8th Edition (2023) FBC		K		J		H		DATE
Update to 7th Edition (2020) FBC								
CHANGED MANUFACTURER'S ADDRESS								
DESCRIPTION								
VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTA MONTE SPRINGS, FL 32701		DATE: 07/22/08		DRAWING NO: VIN0001		SHEET: 5 OF 15		
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM VERTICAL SECTIONS		SCALE: N.T.S.		REV: K				
PREPARED BY: CB		DATE: 07/22/08		DRAWING NO: VIN0001		SHEET: 5 OF 15		
PTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 Phone 321.680.1788 Fax 321.680.1788 FBPE Cert. of Authorization No. 235935 Email: info@ptc-corp.com								

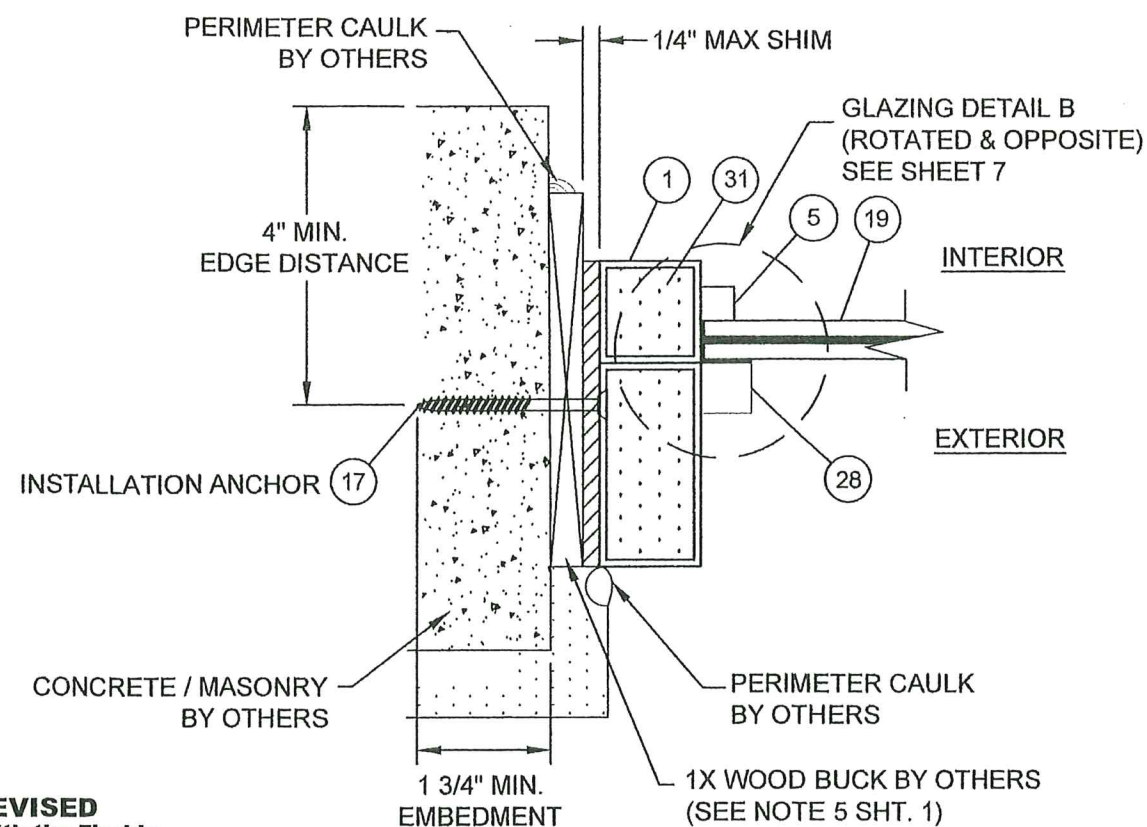
Robert J. Amoroso, P.E.
FL P.E. No. 49752



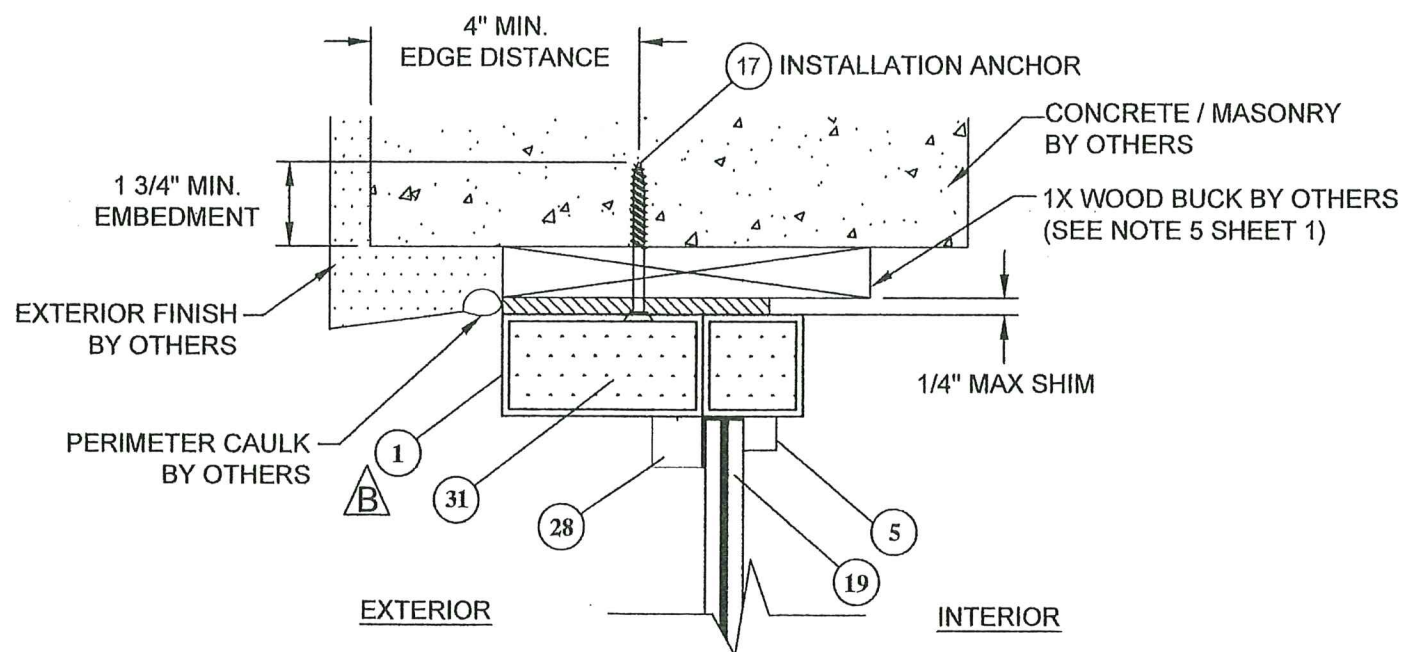


F
6 **HORIZONTAL SECTION**
JAMB - FIXED LITE
WOOD FRAME SUBSTRATE

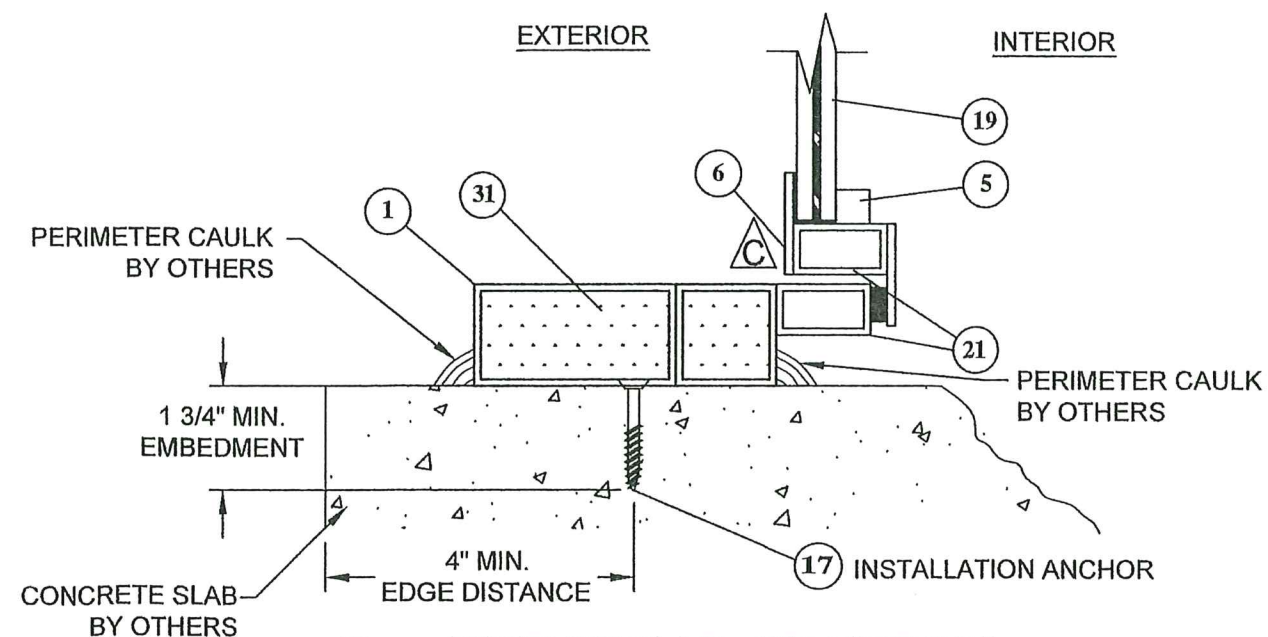
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By *Ishay I. Chandra*
Miami-Dade Product Control



G
6 **HORIZONTAL SECTION**
JAMB - FIXED LITE
CONCRETE / MASONRY SUBSTRATE



E
6 **VERTICAL SECTION**
HEAD - TRANSOM
CONCRETE / MASONRY SUBSTRATE

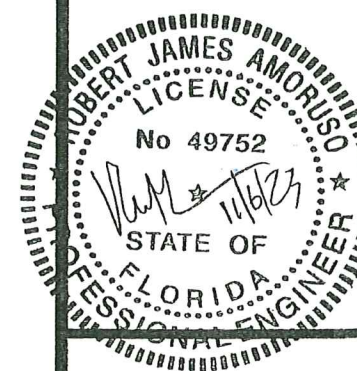


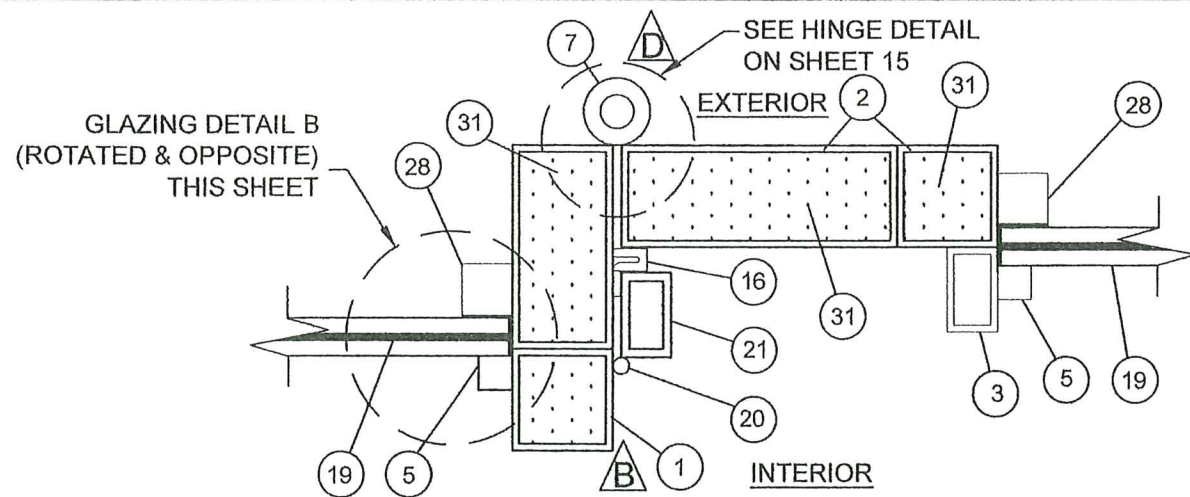
H
6 **VERTICAL SECTION**
SILL - SIDELITE W/ OPT. OPERABLE GLAZING
CONCRETE / MASONRY SUBSTRATE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No **25-0424.03**
Expiration Date **04/15/2026**
By *Ishay I. Chandra*
Miami-Dade Product Control

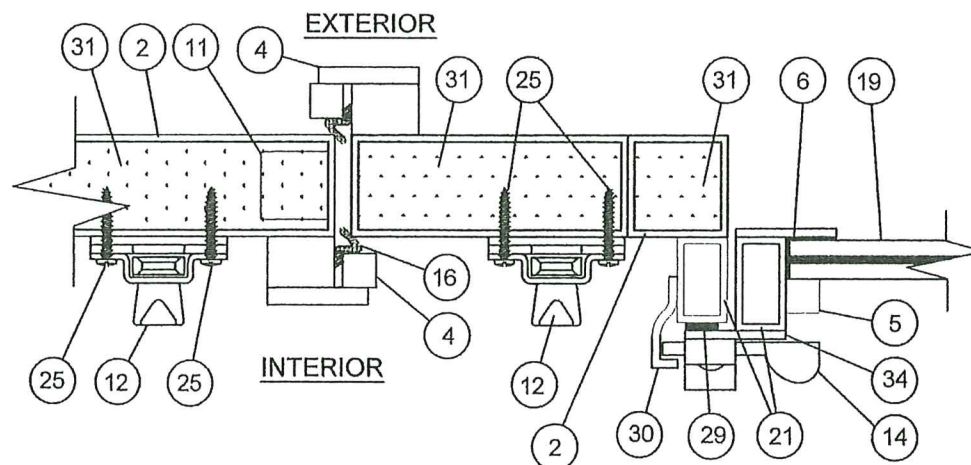
PROJECT NO. 423-0902		RJA	10/18/23	RJA	1/4/2021	RJA	4/14/2020	BY	DATE
Update to 8th Edition (2023) FBC		K		J		H		REV	
Update to 7th Edition (2020) FBC		CHANGED MANUFACTURER'S ADDRESS		DESCRIPTION		DATE			
VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701		DATE: 07/22/08		DRAWING NO: VIN0001		SHEET: 6 OF 15			
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM VERTICAL AND HORIZONTAL SECTIONS		SCALE: N.T.S.		REV: K					
PREPARED BY: CB		P.T.C. PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 Phone 321.690.1788 Fax 321.690.1789 FBPE Cert. of Authorization No. 25935 Email: info@ptc-corp.com							

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FL P.E. No. 49752

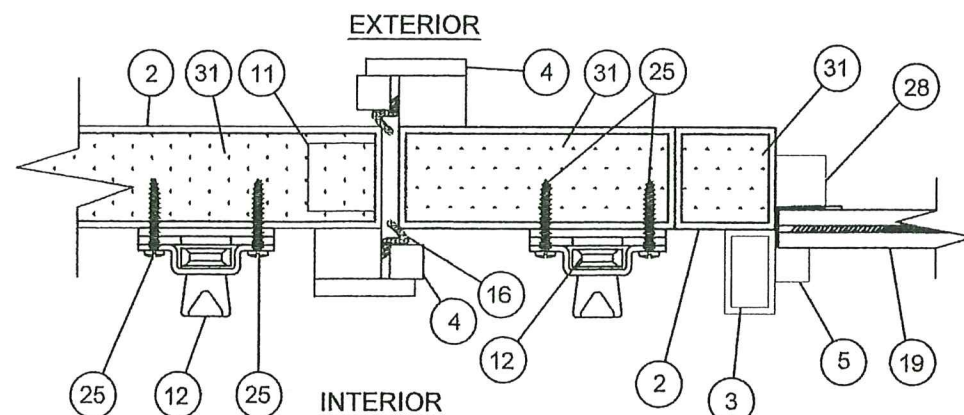




K HORIZONTAL SECTION
7
VERTICAL MULLION
AT FIXED LITE

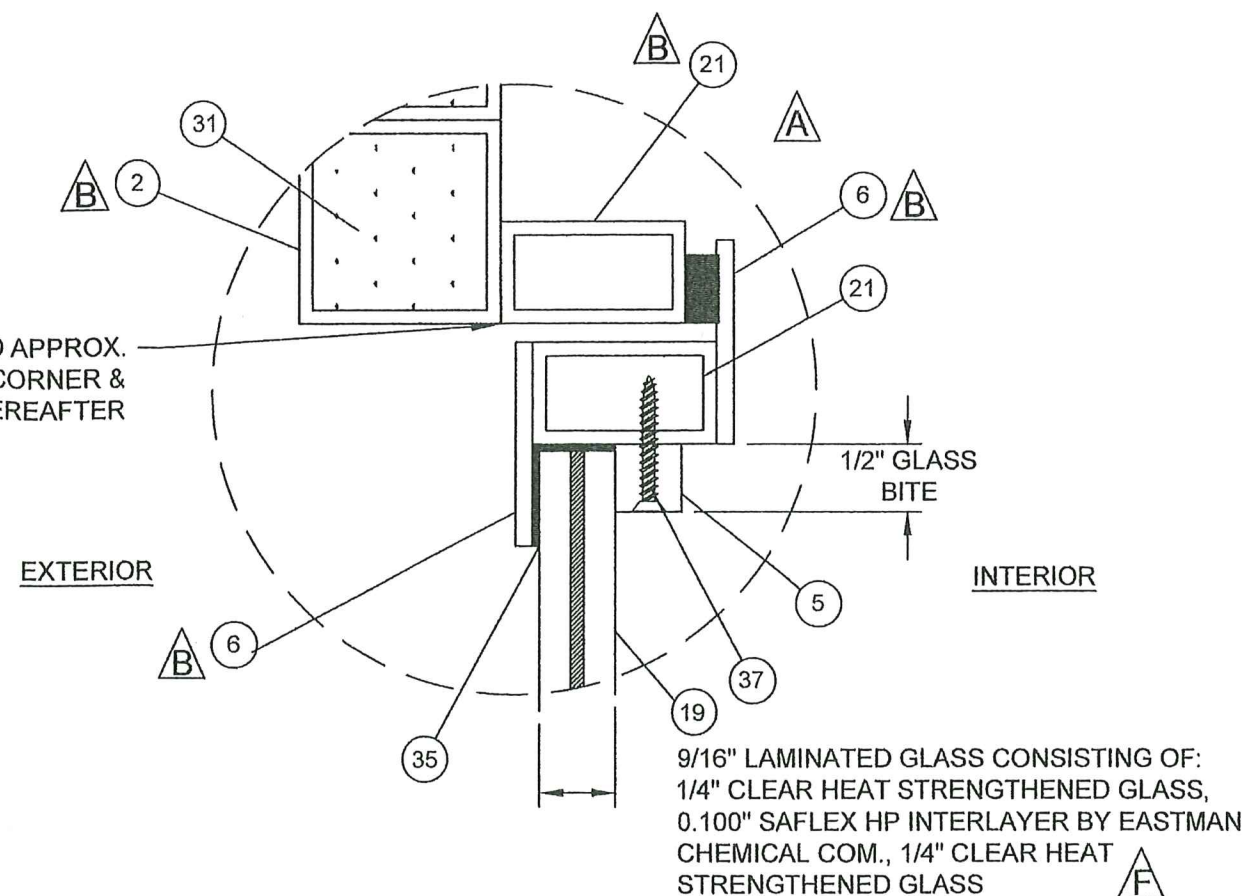


J HORIZONTAL SECTION
7
ASTRAGAL W/ OPTIONAL
OPERABLE GLAZING PANEL

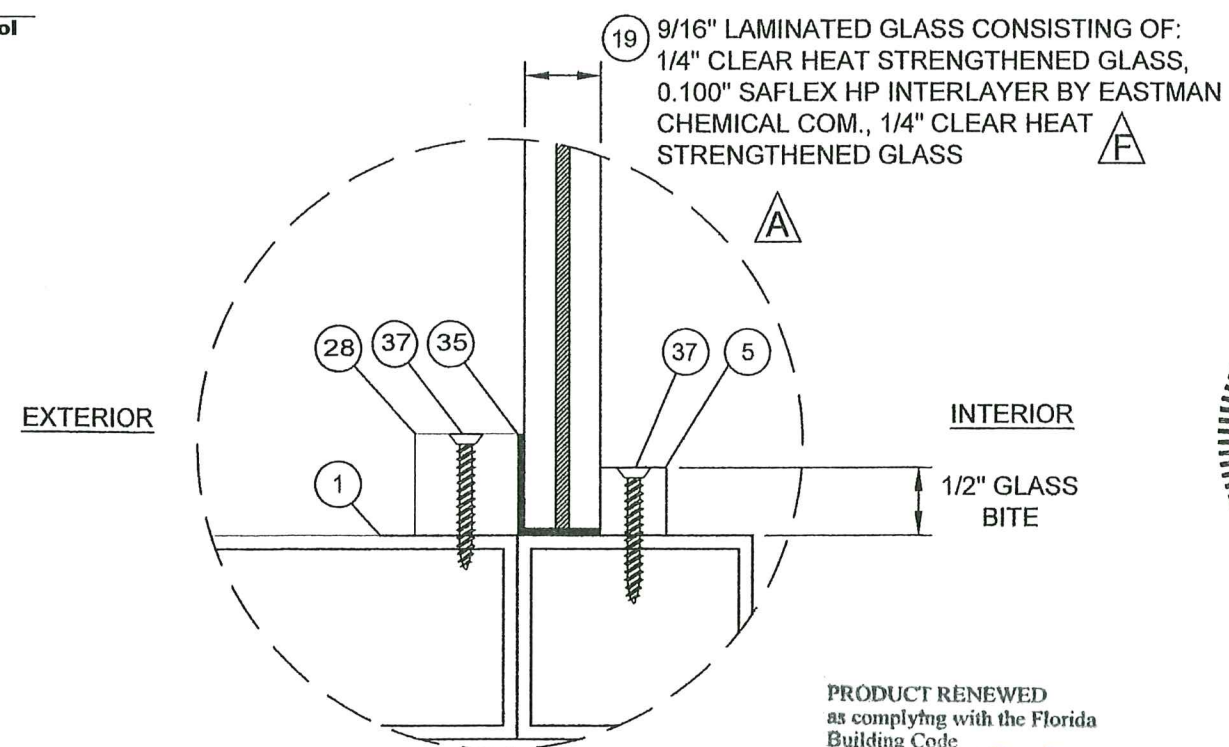


I HORIZONTAL SECTION
7
ASTRAGAL W/ FIXED GLAZING PANEL

TACK WELD APPROX.
4" FROM EACH CORNER &
11" O.C. THEREAFTER



GLAZING DETAIL A



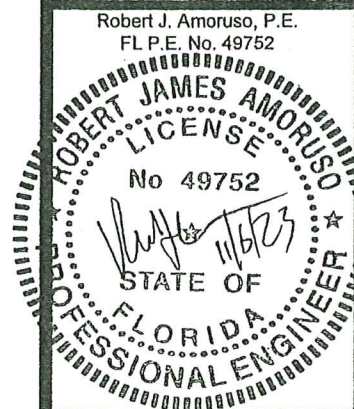
GLAZING DETAIL B

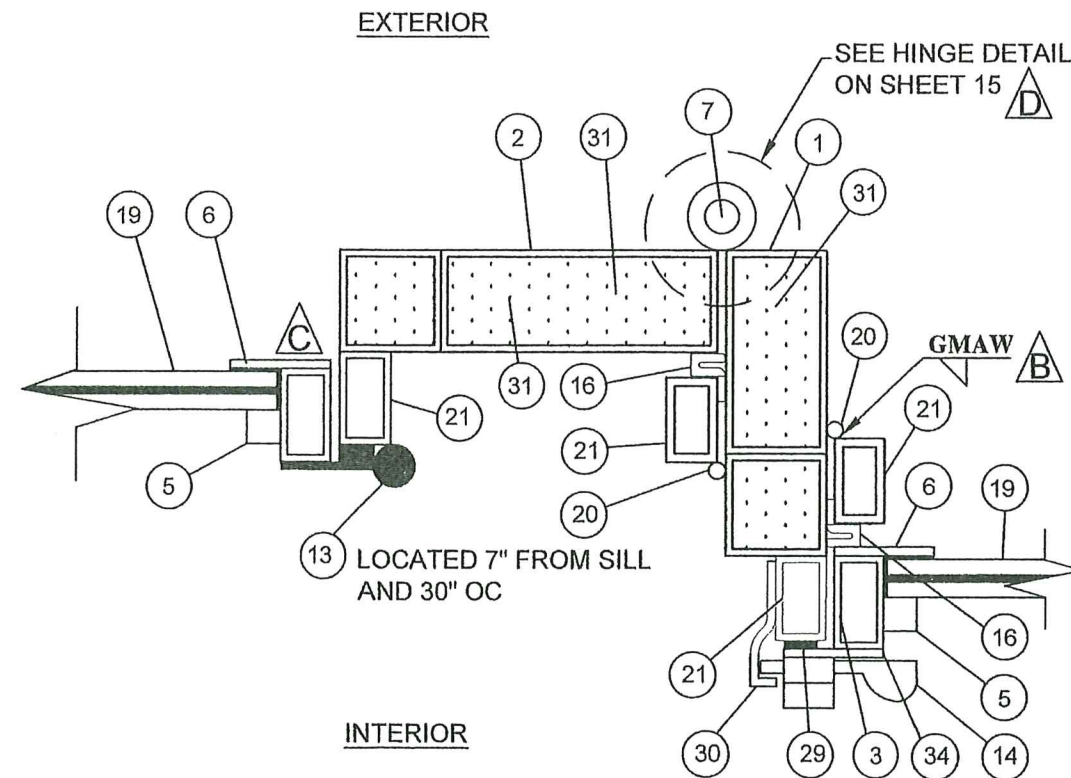
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By *Shog I. Chank*
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **04/15/2026**
By *Shog I. Chank*
Miami-Dade Product Control

PROJECT NO. 423-0902	RJA	10/18/23	RJA	1/4/2021	RJA	4/14/2020	BY
Update to 8th Edition (2023) FBC	K	J	H	REV	DESCRIPTION	DATE	
Update to 7th Edition (2020) FBC							
CHANGED MANUFACTURER'S ADDRESS							

VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701	DATE: 07/22/08	DRAWING NO: VIN0001	SHEET: 7 OF 15
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM HORIZONTAL SECTIONS AND GLAZING DETAILS	DRAWN BY: CB	SCALE: N.T.S.	REV: K
PREPARED BY:	PTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 FBPE Cert. of Authorization No. 25836 Email: info@ptc-corp.com	Phone 321.690.1788 Fax 321.690.1789	

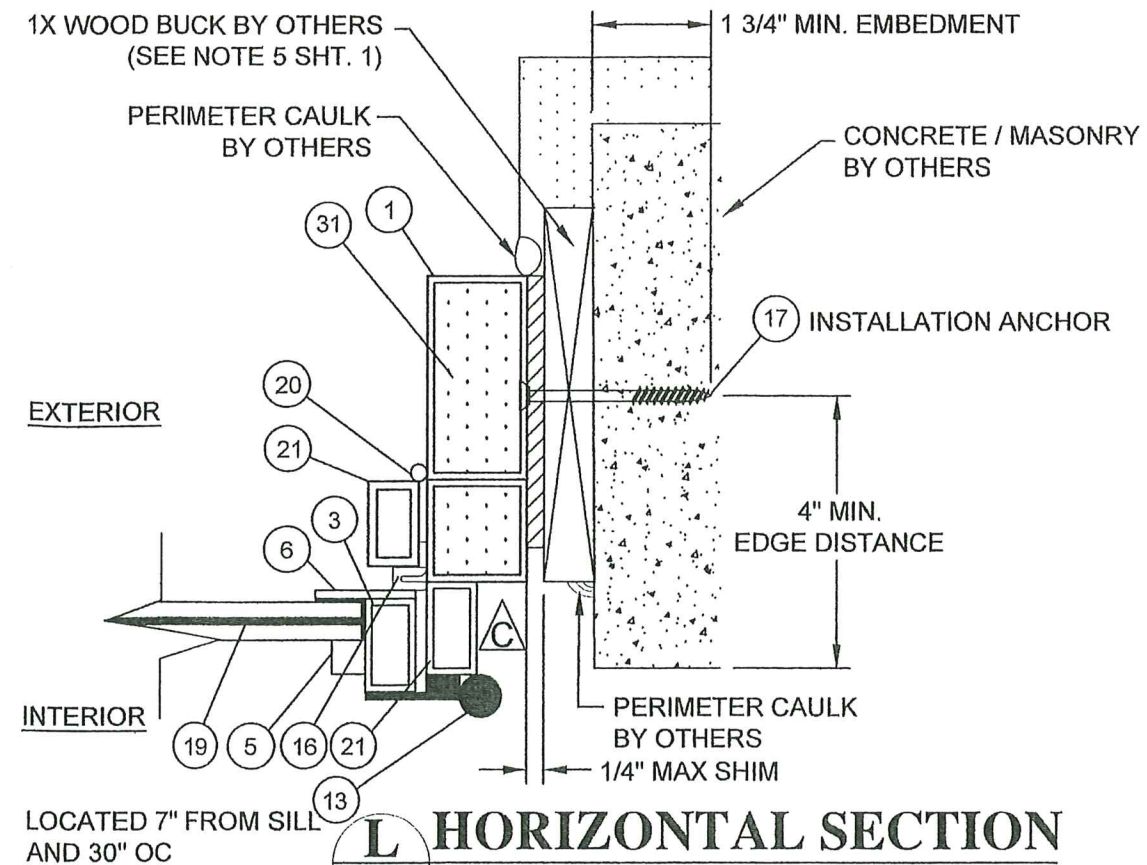




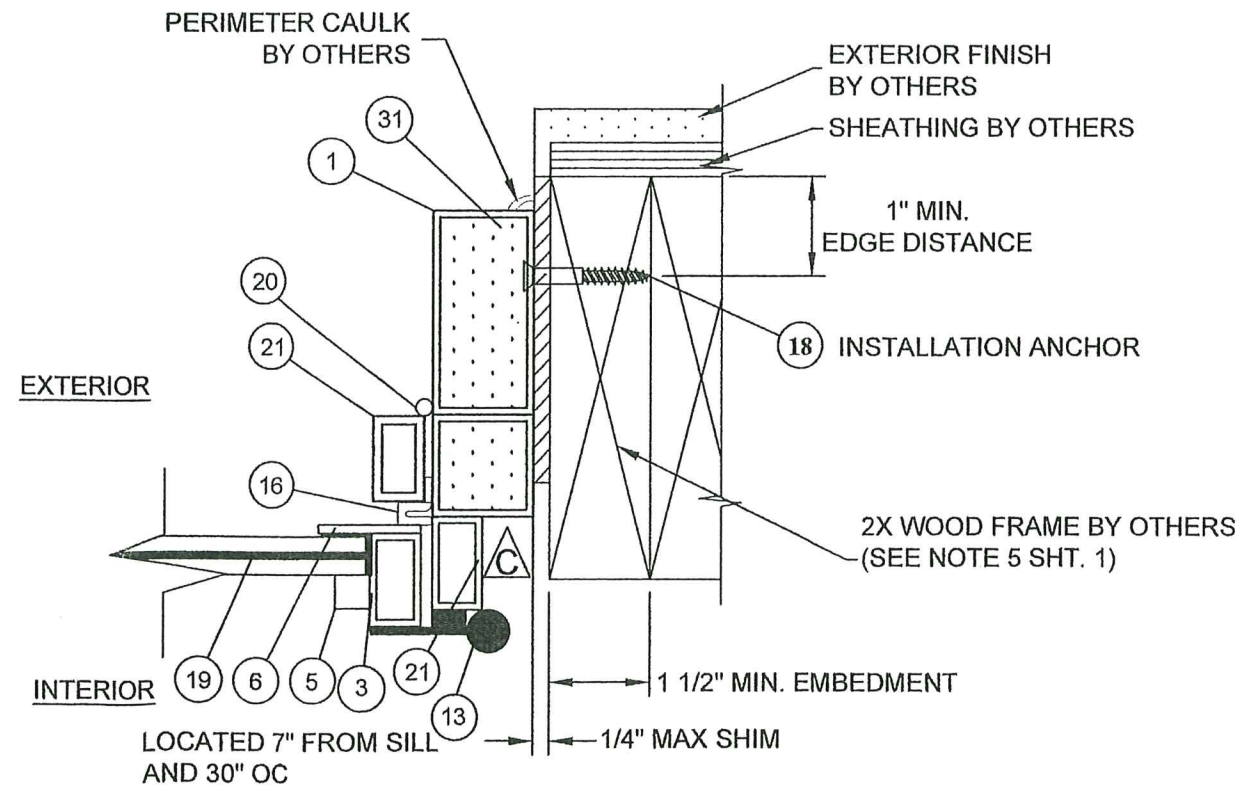
N
8 **HORIZONTAL SECTION**
VERTICAL MULLION AT SIDELITE
W/ OPTIONAL OPERABLE GLAZING

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By Ishag I. Chande
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No **25-0424.03**
Expiration Date **04/15/2026**
By Ishag I. Chande
Miami Dade Product Control

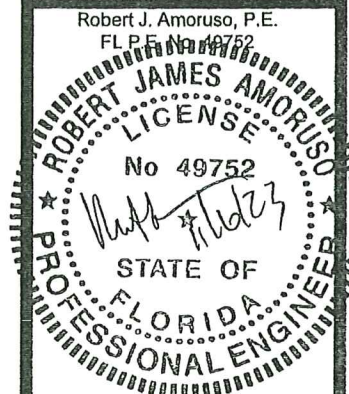


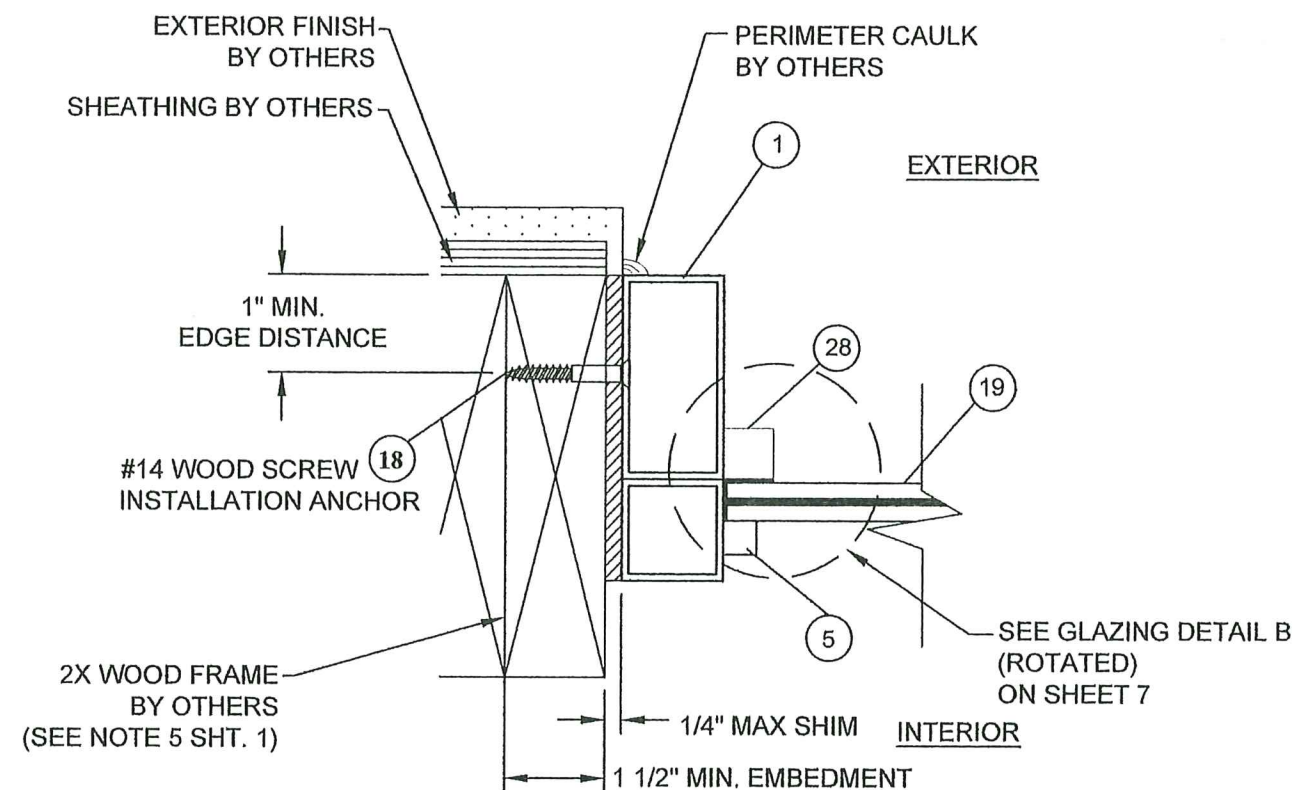
L
8 **HORIZONTAL SECTION**
JAMB - SIDELITE W/ OPT. OPERABLE GLAZING
CONCRETE / MASONRY SUBSTRATE



M
8 **HORIZONTAL SECTION**
JAMB - SIDELITE W/ OPT. OPERABLE GLAZING
WOOD FRAME SUBSTRATE

PROJECT NO. 423-0902		RJA	RJA	RJA	BY
Update to 8th Edition (2023) FBC	10/18/23	K	J	H	DATE
Update to 7th Edition (2020) FBC	1/4/2021	J	J	H	DATE
CHANGED MANUFACTURER'S ADDRESS	4/14/2020	H	J	H	DATE
DESCRIPTION	REV	J	J	H	DATE
VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701		DATE: 07/22/08		DRAWING NO: VIN0001	
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM HORIZONTAL SECTIONS		SCALE: N.T.S.		SHEET: 8 OF 15	
PREPARED BY: CB		REV: K		SHEET: 8 OF 15	
PTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 Phone 321.690.1788 Fax 321.690.1789 FBPE Cert. of Authorization No. 25835 Email: info@ptc-corp.com		REV: K		SHEET: 8 OF 15	

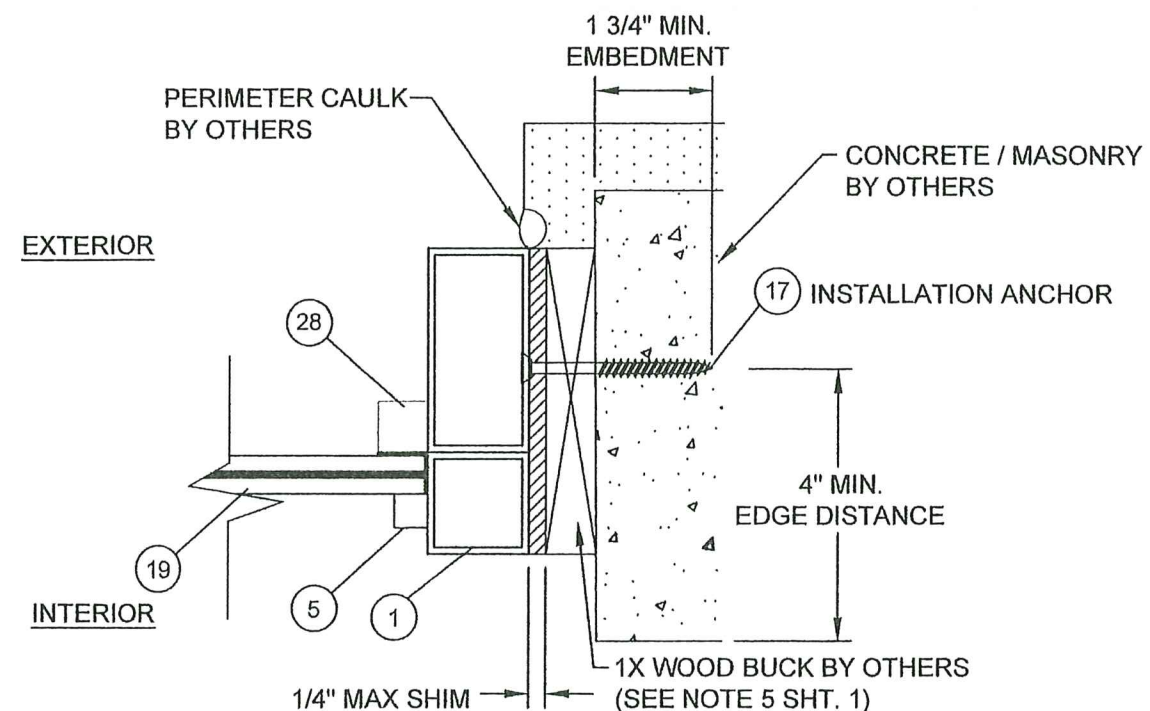




O-9 HORIZONTAL SECTION

JAMB - FIXED TRANSOM
INTO WOOD SUBSTRATE

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By *Isheq I. Chande*
Miami-Dade Product Control



P-9 HORIZONTAL SECTION

JAMB - FIXED TRANSOM INTO
CONCRETE / MASONRY SUBSTRATE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **04/15/2026**
By *Isheq I. Chande*
Miami-Dade Product Control

PROJECT NO. 423-0902

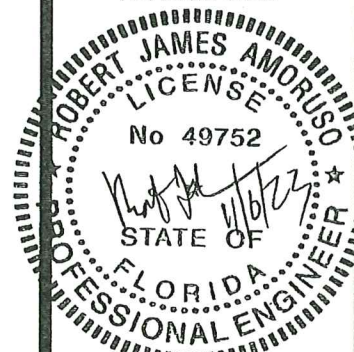
REV	DESCRIPTION	DATE
K	Update to 8th Edition (2023) FBC	10/18/23
J	Update to 7th Edition (2020) FBC	1/4/2021
H	CHANGED MANUFACTURER'S ADDRESS	4/14/2020
REV	DESCRIPTION	DATE

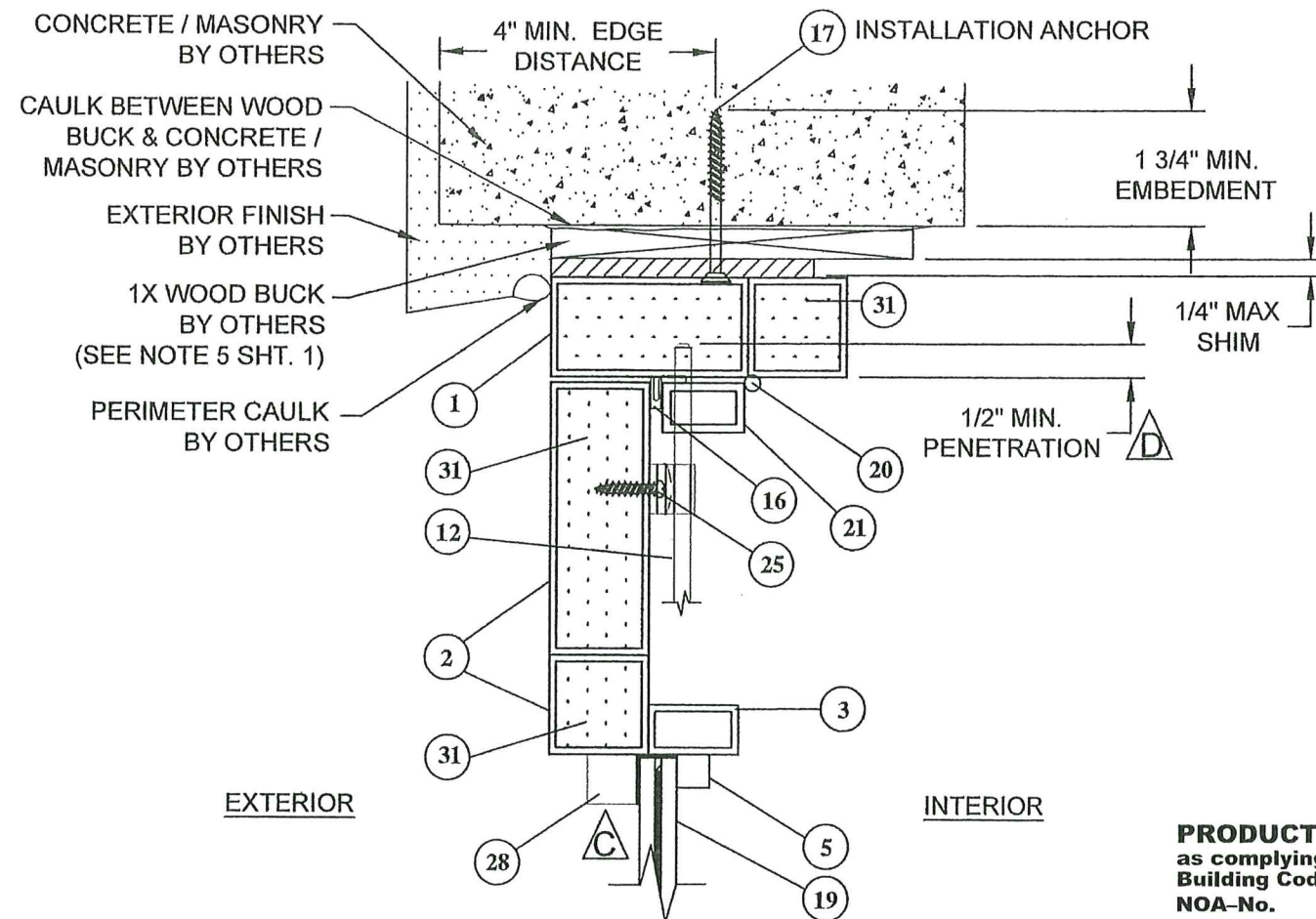
VINTAGE IRONWORKS
671 NEWBURYPORT AVE.
ALTAMONTE SPRINGS, FL 32701

TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM
HORIZONTAL SECTIONS

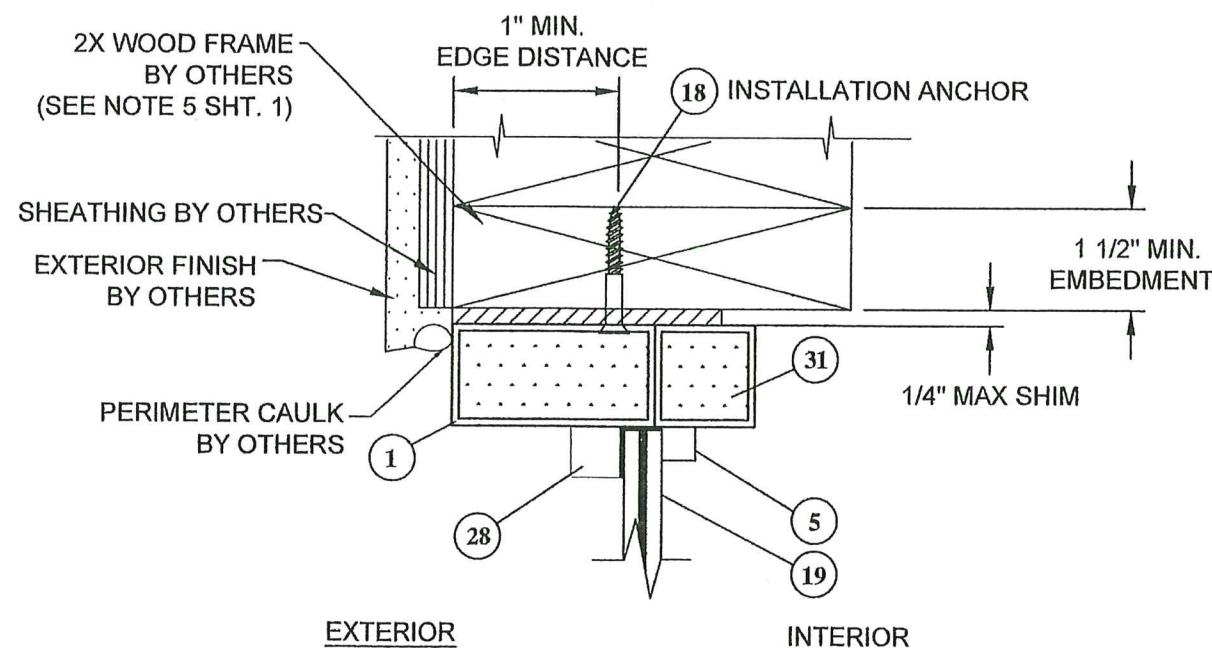
DATE:	07/22/08
DRAWN BY:	CB
SCALE:	N.T.S.
REV:	K
DRAWING NO:	VIN0001
SHEET:	9 OF 15

Robert J. Amoruso, P.E.
FL P.E. No. 49752



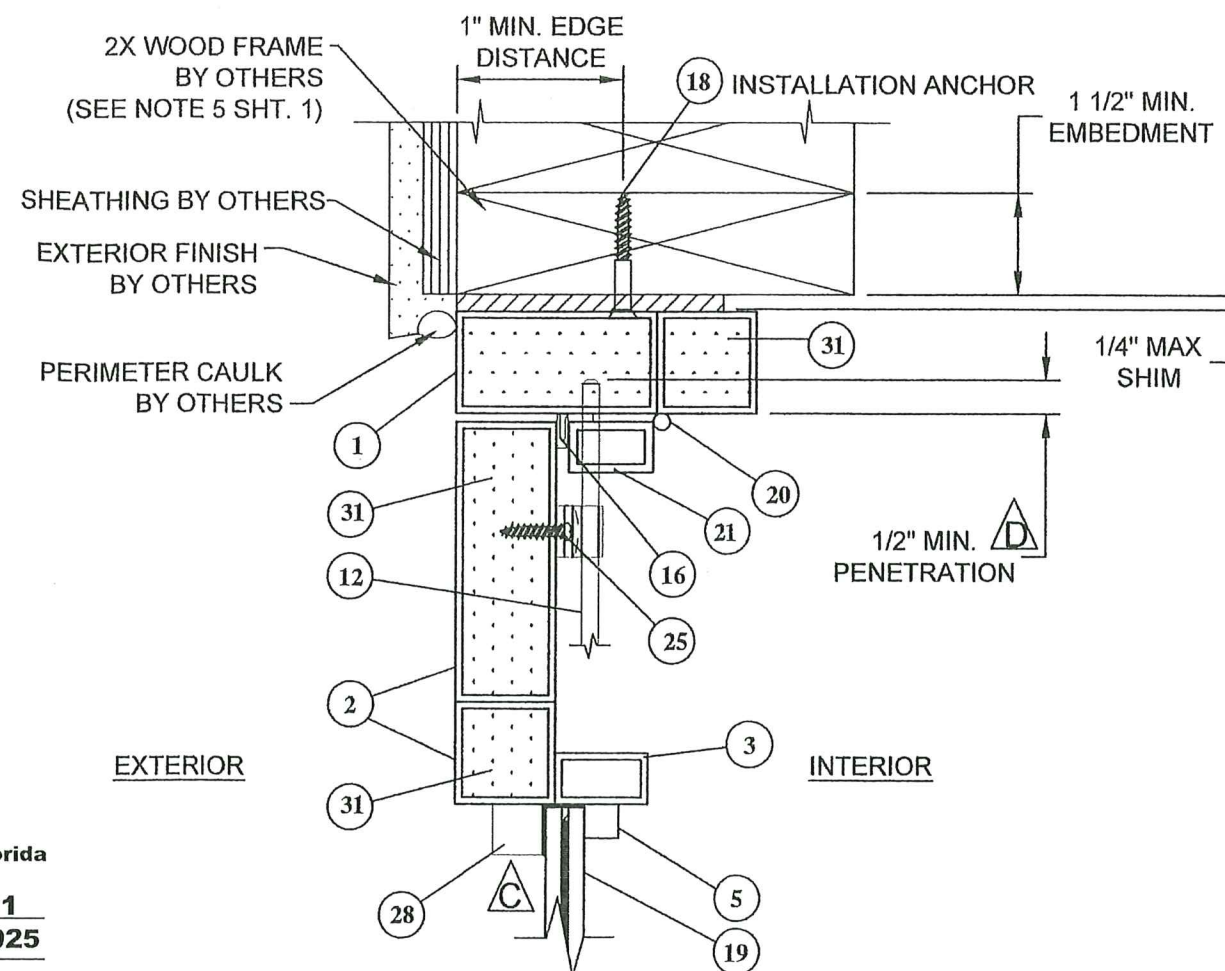


R
10
VERTICAL SECTION
HEAD - FRAME DOOR
CONCRETE / MASONRY SUBSTRATE



Q
10
VERTICAL SECTION
HEAD - FIXED LITE
WOOD FRAME SUBSTRATE

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By *Ishtay I. Chandra*
Miami-Dade Product Control



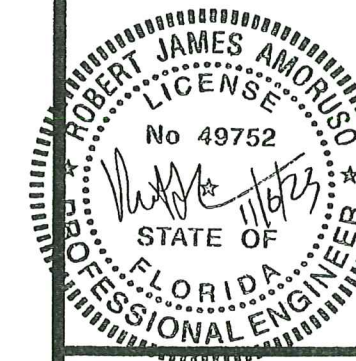
S
10
VERTICAL SECTION
HEAD - FRAME DOOR
WOOD SUBSTRATE

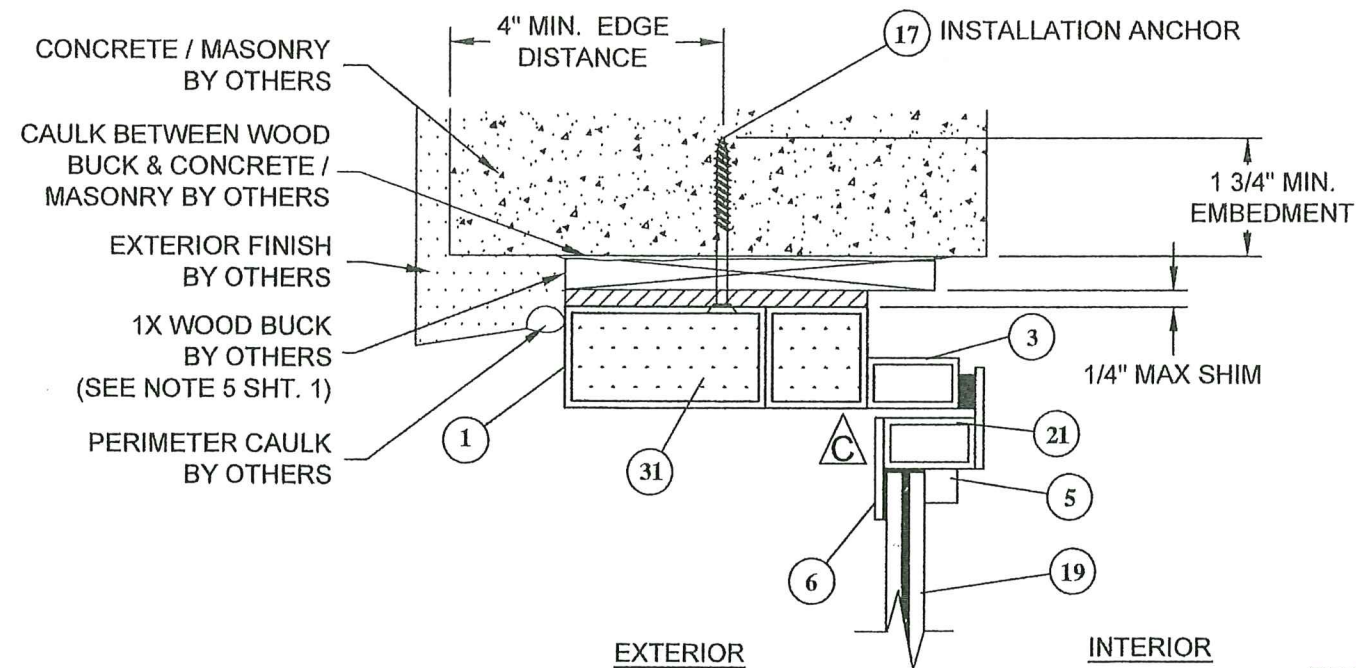
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No **25-0424.03**
Expiration Date **04/15/2026**
By *Ishtay I. Chandra*
Miami-Dade Product Control

PROJECT NO. 423-0902	RJA	RJA	RJA	BY
Update to 8th Edition (2023) FBC	10/18/23	1/4/2021	4/14/2020	DATE
Update to 7th Edition (2020) FBC	J	H	H	REV
CHANGED MANUFACTURER'S ADDRESS				DESCRIPTION

VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALAMONTE SPRINGS, FL 32701	DRAWN BY: CB	DATE: 07/22/08	DRAWING NO: VIN0001	SHEET: 10 OF 15
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM VERTICAL SECTIONS	SCALE: N.T.S.	REV: K		
PREPARED BY: PTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 FBPE Cert. of Authorization No. 25935 Email: info@ptc-corp.com				

Robert J. Amoroso, P.E.
FL P.E. No. 49752

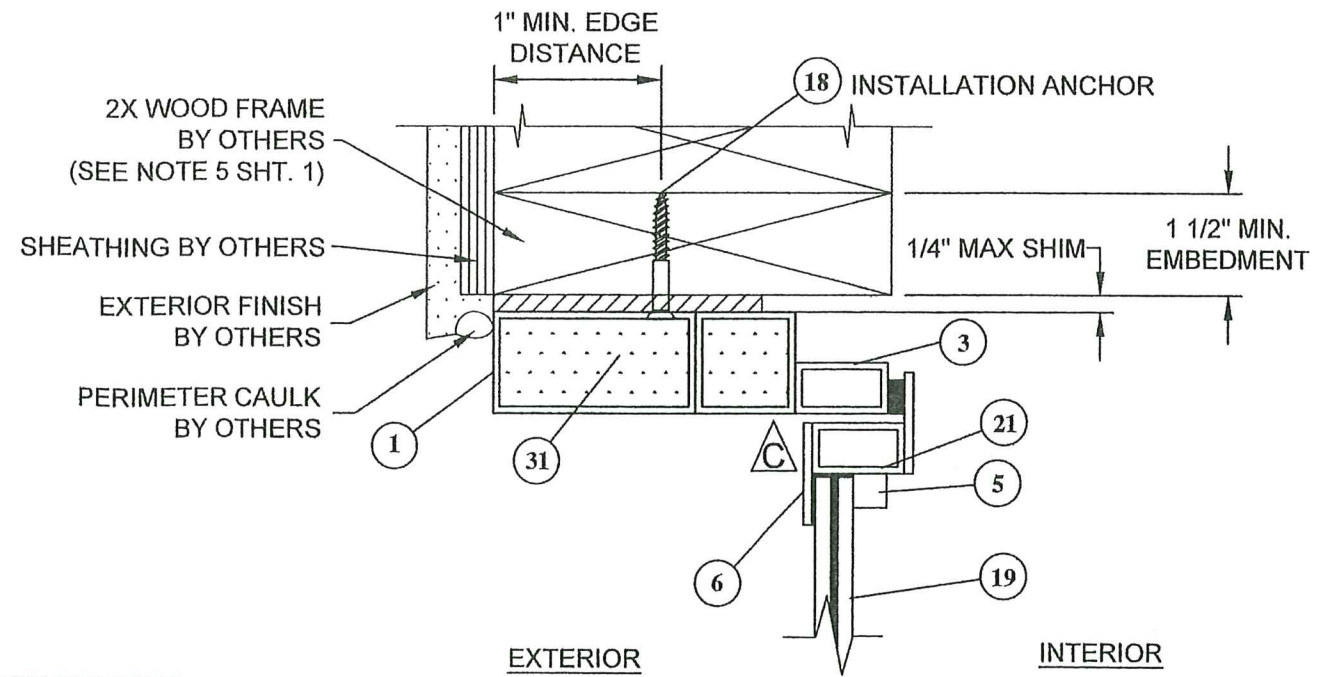




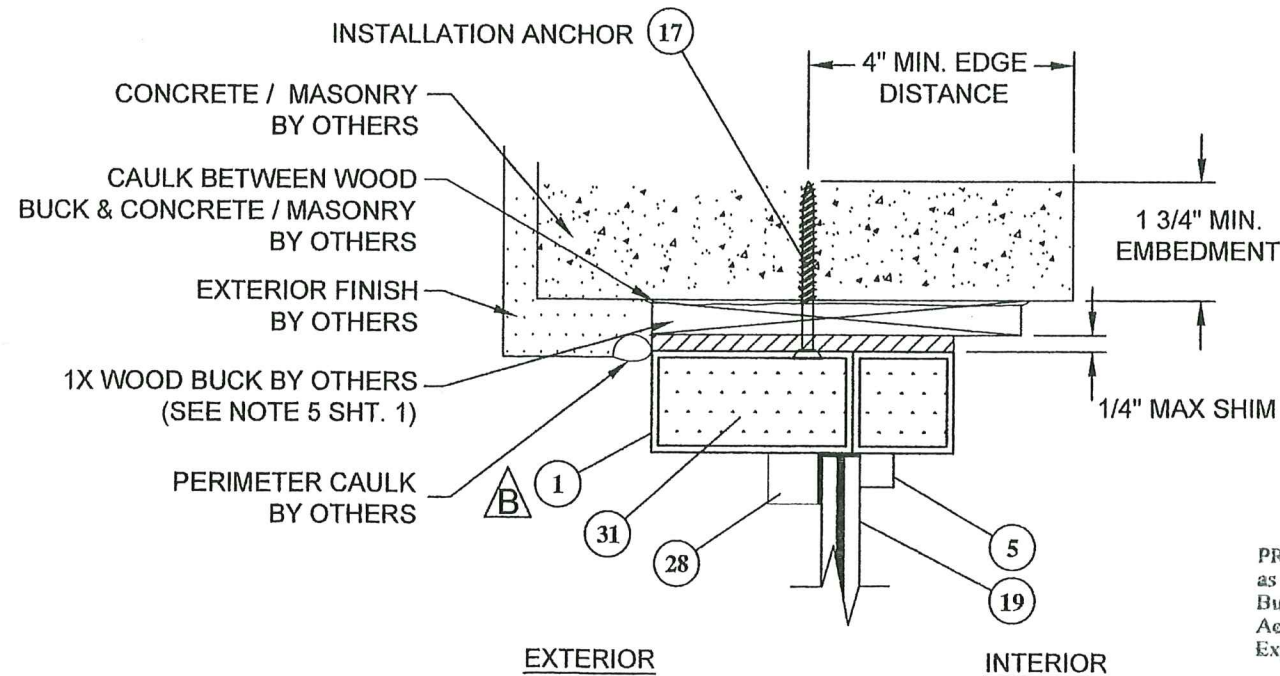
U
11 **VERTICAL SECTION**
HEAD FRAME - SIDELITE W/ OPT. OPERABLE GLAZING
CONCRETE / MASONRY

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**

By *Isheq L. Chandra*
Miami-Dade Product Control

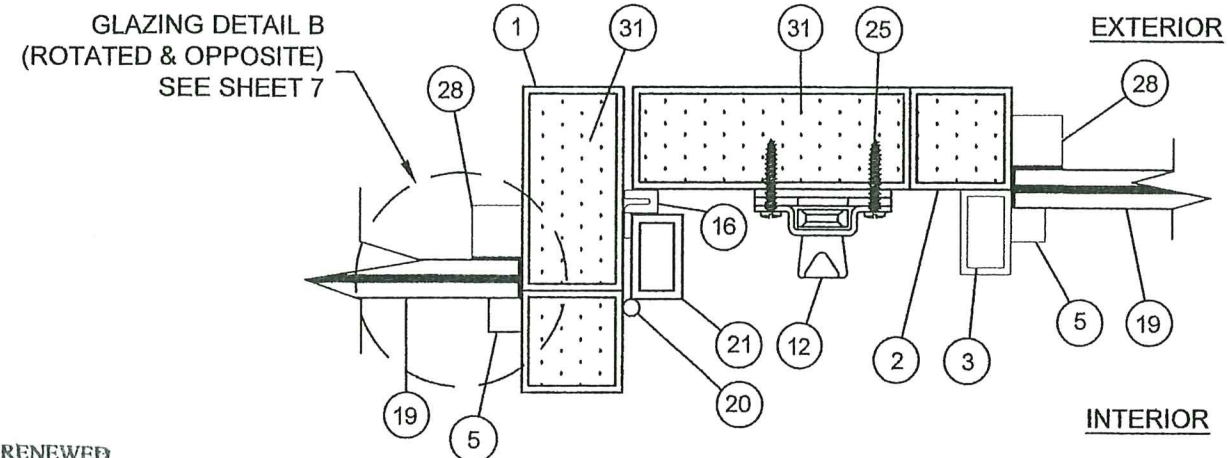


V
11 **VERTICAL SECTION**
HEAD FRAME - SIDELITE W/ OPT. OPERABLE GLAZING
WOOD SUBSTRATE



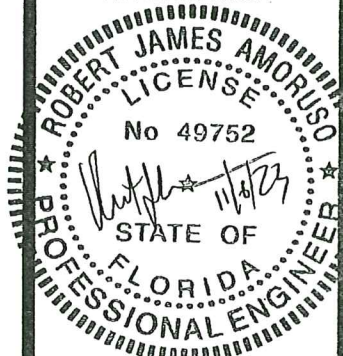
T
11 **VERTICAL SECTION**
HEAD - FIXED LITE
CONCRETE / MASONRY SUBSTRATE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **04/15/2026**
By *Isheq L. Chandra*
Miami-Dade Product Control



W
11 **HORIZONTAL SECTION**
LOCKSTILE INTO MULLION

Robert J. Amoruso, P.E.
FL P.E. No. 49752



VINTAGE IRONWORKS
671 NEWBURYPORT AVE.
ALTAMONTE SPRINGS, FL 32701

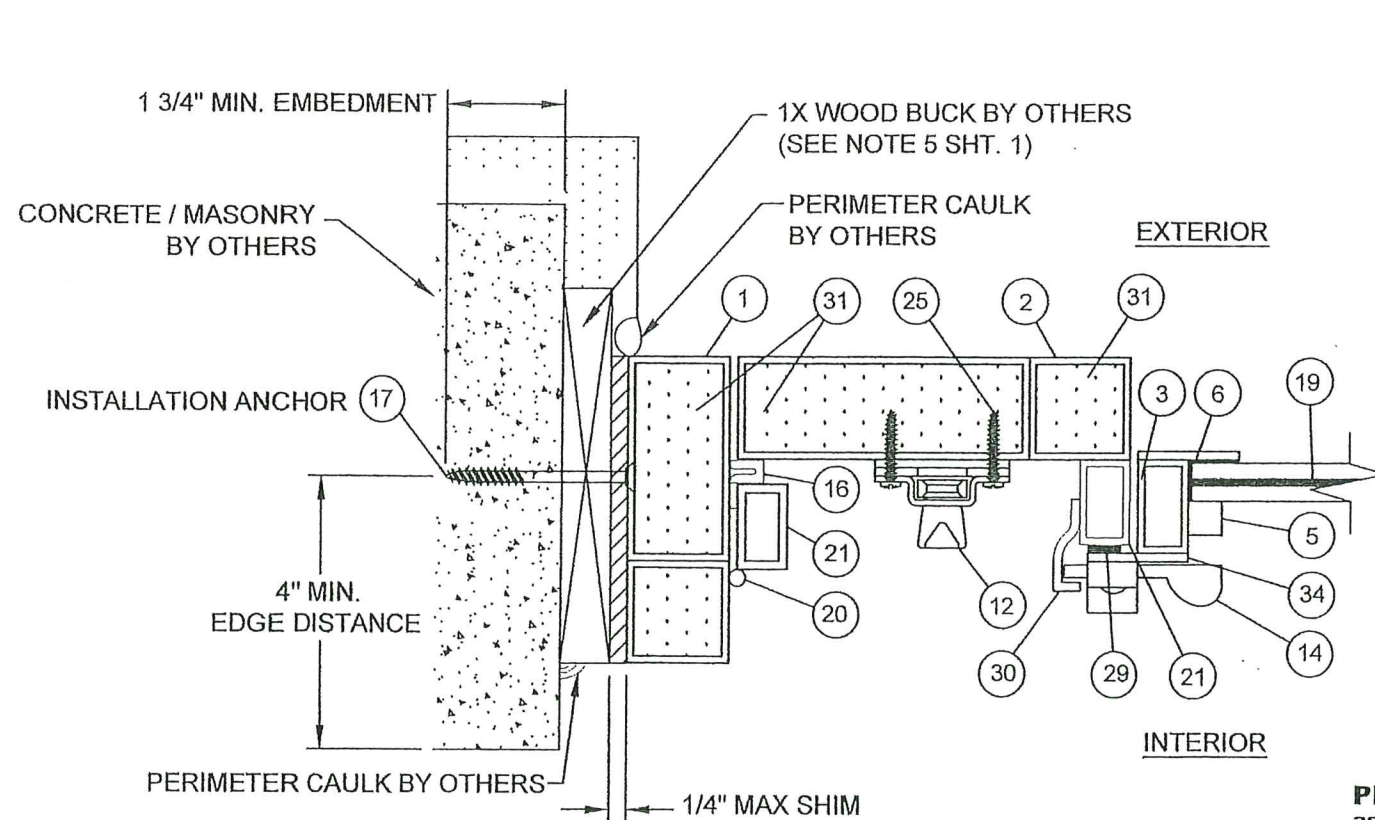
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM
VERTICAL AND HORIZONTAL SECTIONS

PREPARED BY:	DRAWN BY:	DATE:	DRAWING NO.:	SHEET:
	CB	07/22/08	VIN0001	11 OF 15
SCALE:	N.T.S.	REV:	K	

PTC PRODUCT DESIGN GROUP, LLC
P.O. BOX 520775
LONGWOOD, FLORIDA 32752
Phone 321.690.1788
Fax 321.690.1789
FBPE Cert. of Authorization No. 25933 Email: info@ptc-corp.com

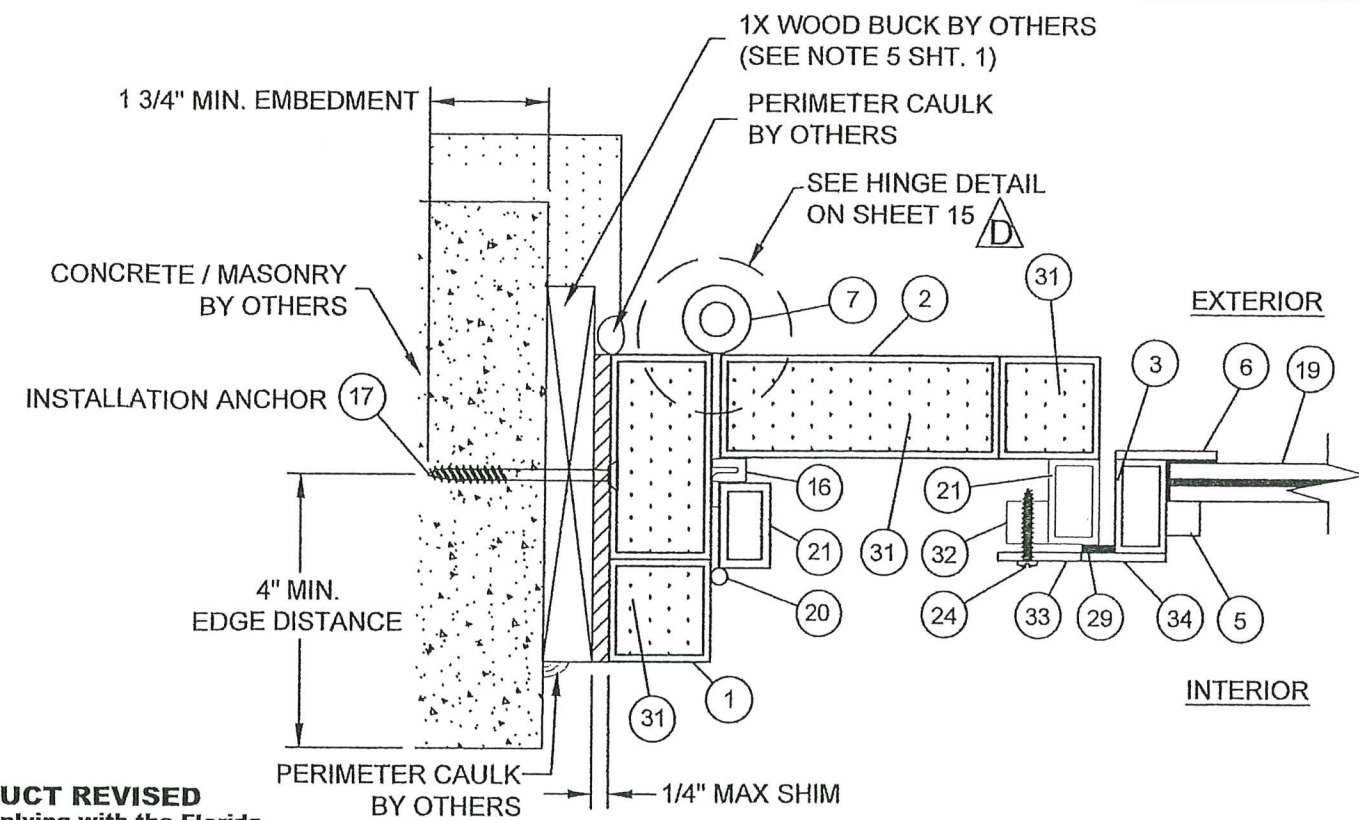
PROJECT NO. 423-0902

REV	DESCRIPTION	DATE	BY
K	Update to 8th Edition (2023) FBC	10/18/23	RJA
J	Update to 7th Edition (2020) FBC	1/4/2021	RJA
H	CHANGED MANUFACTURER'S ADDRESS	4/14/2020	RJA

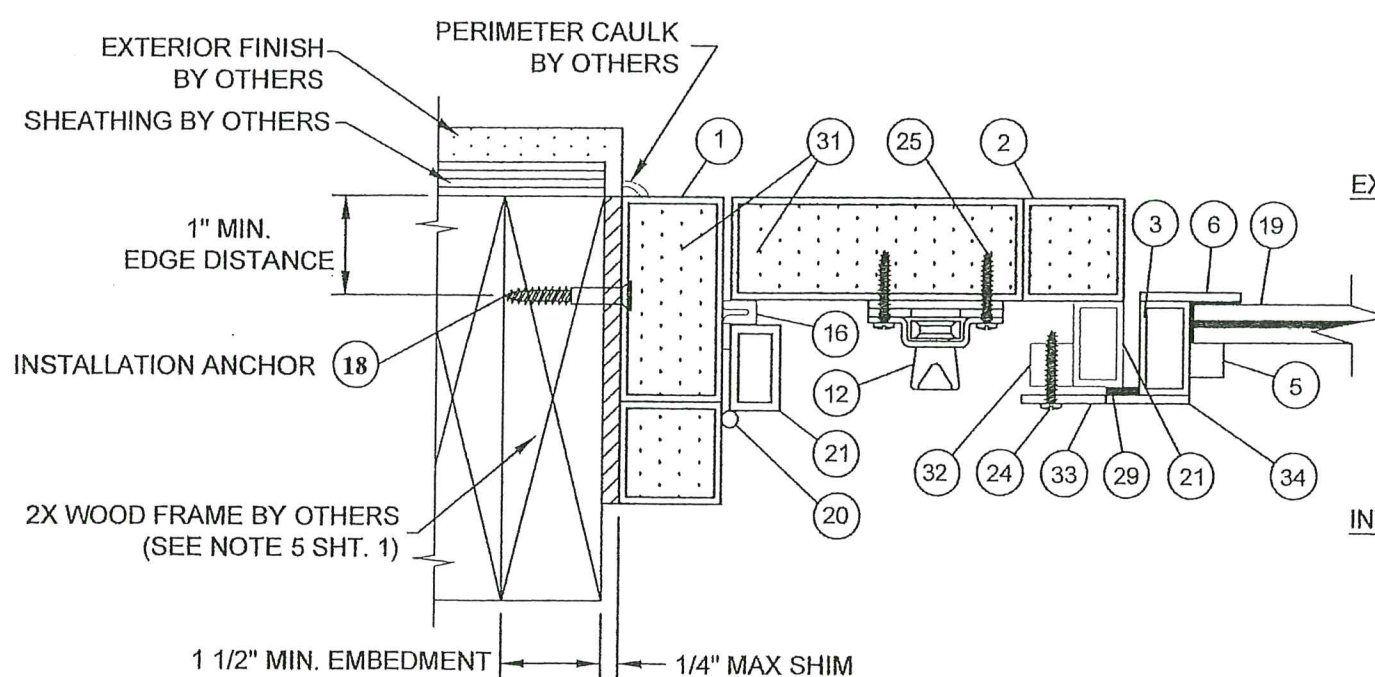


**Y
12** **HORIZONTAL SECTION**
JAMB - LOCKSTILE INTO
CONCRETE / MASONRY SUBSTRATE
W/ OPTIONAL OPERABLE GLAZING

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By *Ishag L. Chanda*
Miami-Dade Product Control

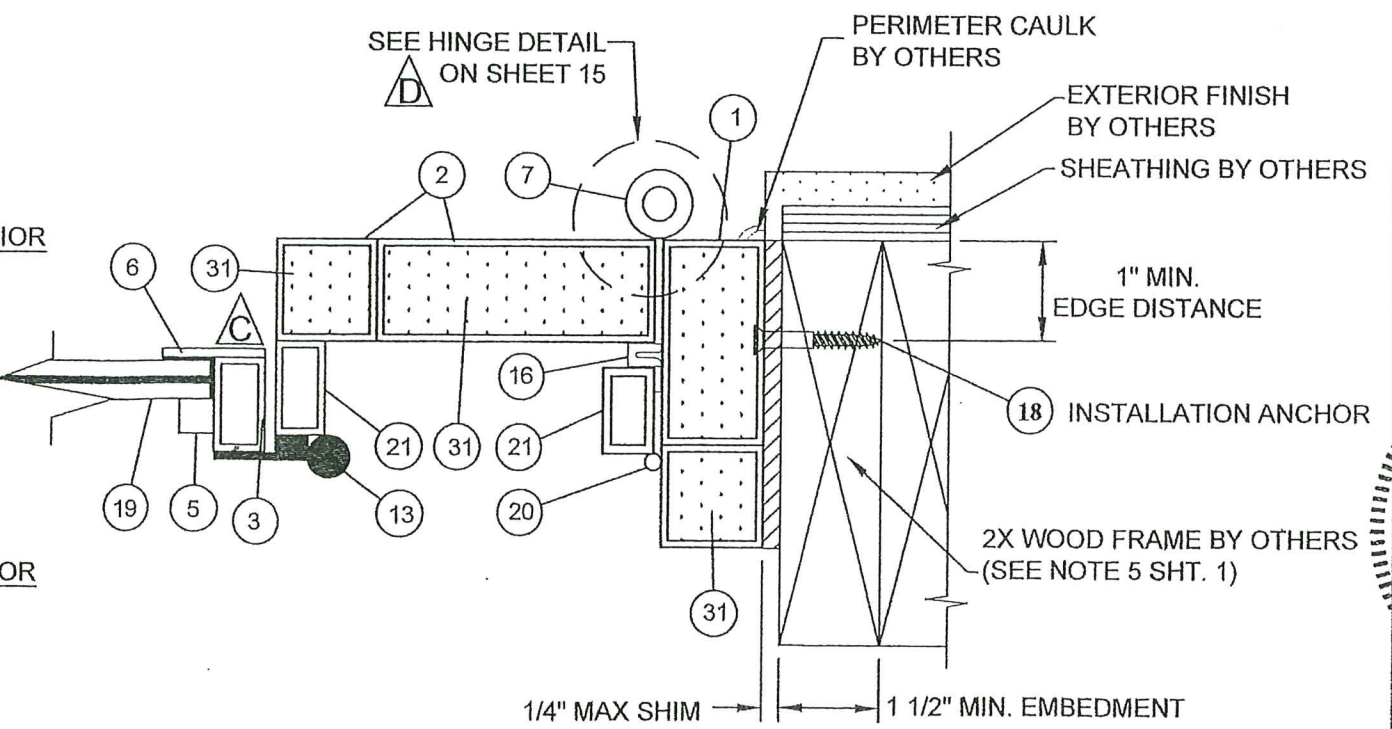


**Z
12** **HORIZONTAL SECTION**
HINGE STILE INTO CONCRETE SUBSTRATE
W/ OPTIONAL OPERABLE GLAZING



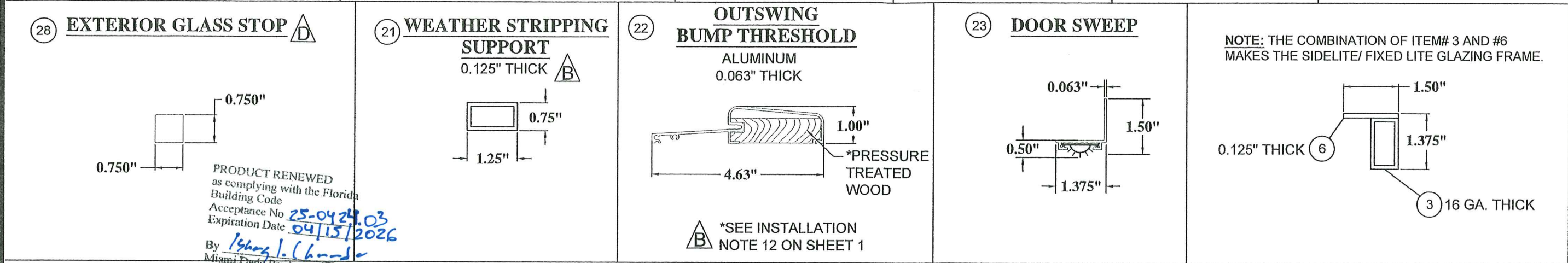
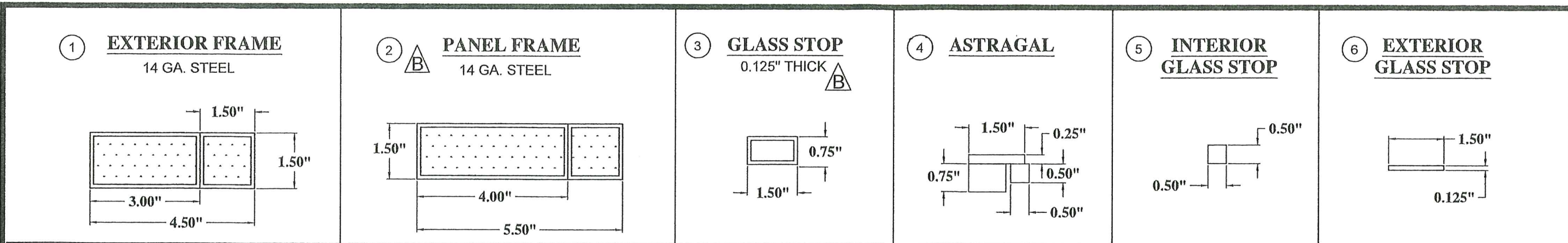
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12** **HORIZONTAL SECTION**
JAMB - LOCKSTILE INTO
WOOD SUBSTRATE
W/ OPTIONAL OPERABLE GLAZING

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **04/15/2026**
By *Ishag L. Chanda*
Miami-Dade Product Control



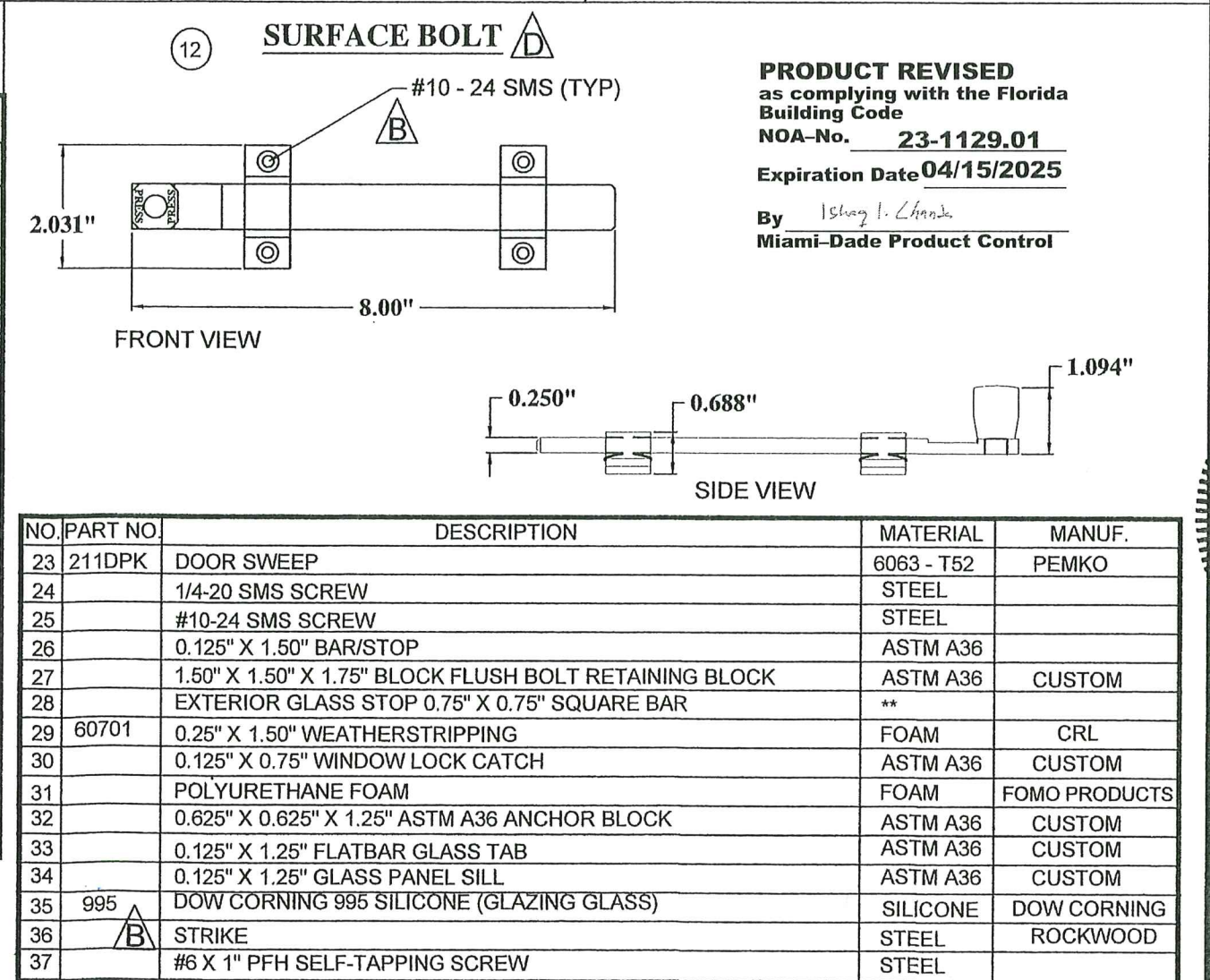
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12** **HORIZONTAL SECTION**
HINGE STILE INTO CONCRETE SUBSTRATE
W/ OPTIONAL OPERABLE GLAZING

PROJECT NO. 423-0902		RJA	RJA	RJA	BY
Update to 8th Edition (2023) FBC		10/18/23	1/4/2021	4/14/2020	DATE
K	J	H	REV	DESCRIPTION	
VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701		CHANGED MANUFACTURERS ADDRESS			
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM HORIZONTAL SECTIONS		DATE: 07/22/08	DRAWING NO: VIN0001	SHEET: 12 OF 15	
DRAWN BY: CB		SCALE: N.T.S.	REV: K		
PREPARED BY: PTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 PEPE Cert. of Authorization No. 25935 Email: info@ptc-corp.com		Robert J. Amoroso, P.E. FL P.E. No. 49752 			



BILL OF MATERIALS				
NO.	PART NO.	DESCRIPTION	MATERIAL	MANUF.
1		EXTERIOR FRAME: 1-14 GA. RECTANGULAR TUBE 1.50" X 3.00" AND 1-14 GA SQUARE TUBE 1.50 X 1.50	**	
2		EXTERIOR FRAME: 1-14 GA. RECTANGULAR TUBE 1.50" X 4.00" AND 1-14 GA SQUARE TUBE 1.50 X 1.50	**	
3		GLASS STOP: 16 GA. RECTANGULAR TUBE 0.75" X 1.25"	**	
4		ASTRAGAL: 3 PCS. 1 EACH (1.00" X 0.75"), (1.50" X 0.25") & (0.50" X 0.50")	ASTM A36	
5		INTERIOR GLASS STOP 0.50" X 0.50" SQUARE BAR	ASTM A36	
6		EXTERIOR GLASS STOP 0.125" X 1.50" SOLID FLAT BAR	ASTM A36	
7		1.00" X 6.00" BARREL HINGE, CUSTOM	ASTM A36	
8	8231	DEAD BOLT LOCK PREMIUM GRADE 1	BRASS	BALDWIN
9	5405	DOOR LATCH PREMIUM GRADE 1 OR EQUIVALENT	BRASS	BALDWIN
11	550	INACTIVE PANEL FLUSH BOLT INTEGRAL LOCK 1.00" X 1.00" X 6.75"	BRASS	ROCKWOOD
12	580-8	SURFACE BOLT 8.00" LONG IVES #453 OR #454 OR EQUAL	BRASS	ROCKWOOD
13		GLASS PANEL HINGE (OPTIONAL) CUSTOM, 0.625" X 2.625	ASTM A-36	
14	2589B	GLASS PANEL LOCK (OPTIONAL)	BRASS	CRL
16	Q106D	WEATHERSTRIPPING, KERF	FOAM	PEMKO
17		5/16" ITW TAPCON W/ 1.75" MIN. EMBEDMENT	STEEL	ITW
18		#14 WOOD SCREW INSTALLATION ANCHOR W/ MIN. 1.50" EMBEDMENT	STEEL	
19		9/16" LAMINATED GLASS CONSISTING OF: 0.25" H.S. GLASS/ 0.100" SAFLEX HP INTERLAYER BY EASTMAN CHEMICAL CO./ 0.25" H.S. GLASS	GLASS	
20		.275" DOWEL	ASTM A36	
21		WEATHERSTRIPPING SUPPORT 0.75" X 1.25" RECTANGULAR TUBE	**	
22	8451DQ	OUTSWING BUMP THRESHOLD	6063 - T52	PEMKO

**A500, GRADE B OR A513



PROJECT NO. 423-0902

Update to 8th Edition
(2023) FBC

Update to 7th Edition (2020)
FBC

CHANGED MANUFACTURERS
ADDRESS

DATE

10/18/23

1/4/2021

4/14/2020

REV

K

J

H

DATE

VINTAGE IRONWORKS

671 NEWBURYPORT AVE.

ALTAMONTE SPRINGS, FL 32701

TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANOM
COMPONENTS AND BILL OF MATERIALS

DRAWN BY: CB

SCALE: N.T.S.

DATE: 07/22/08

DRAWING NO: VIN0001

SHEET: 14 OF 15

PREPARED BY: Ishag I. Chande

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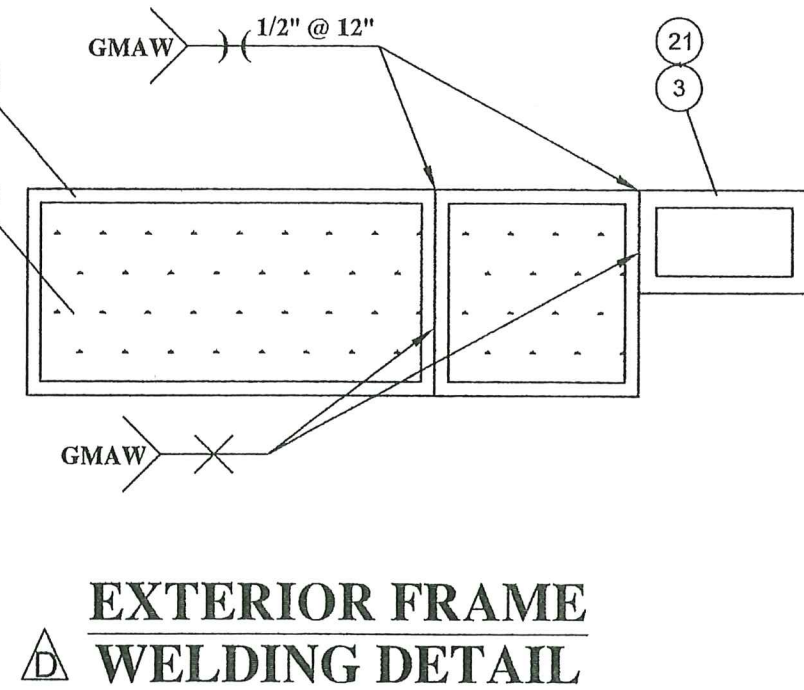
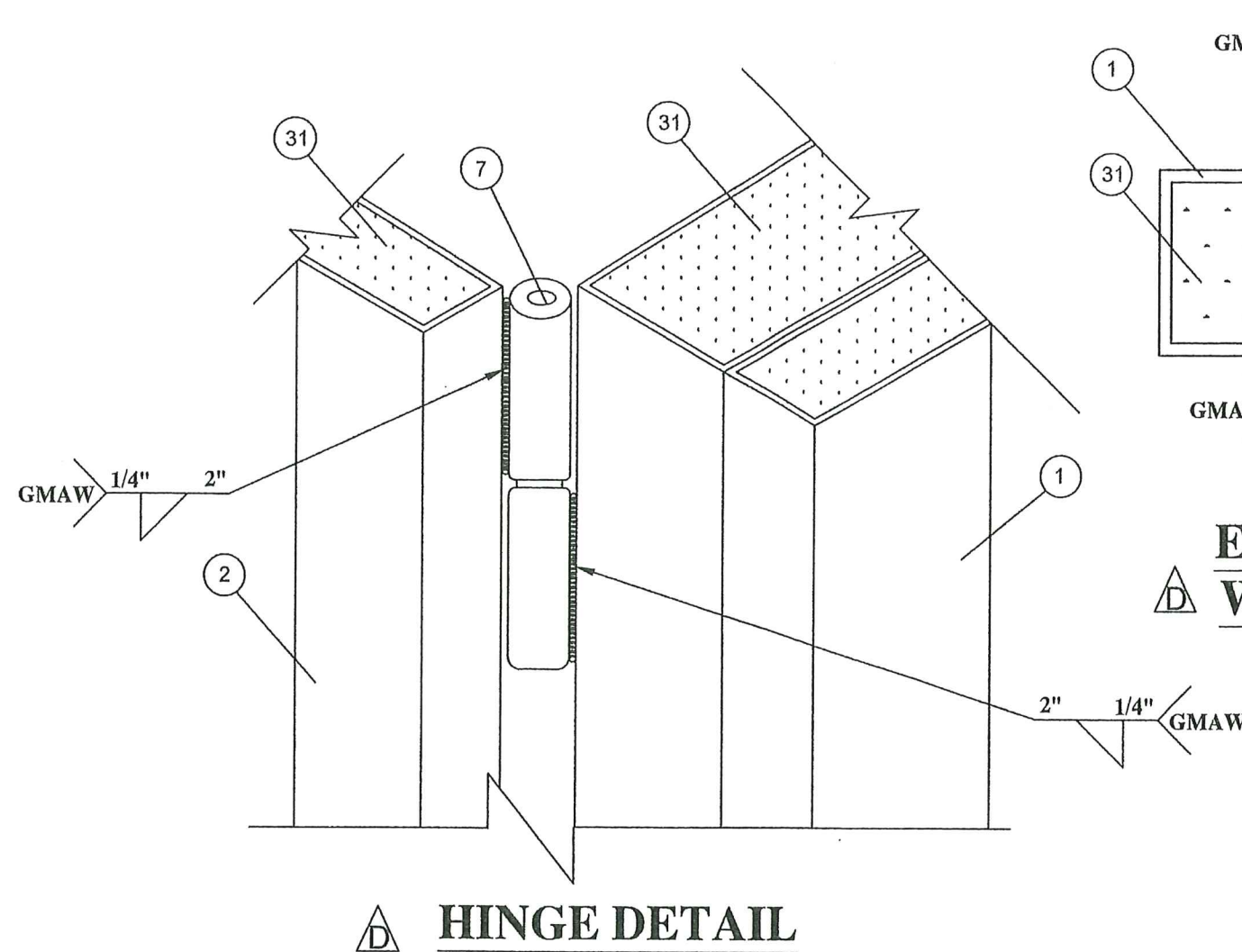
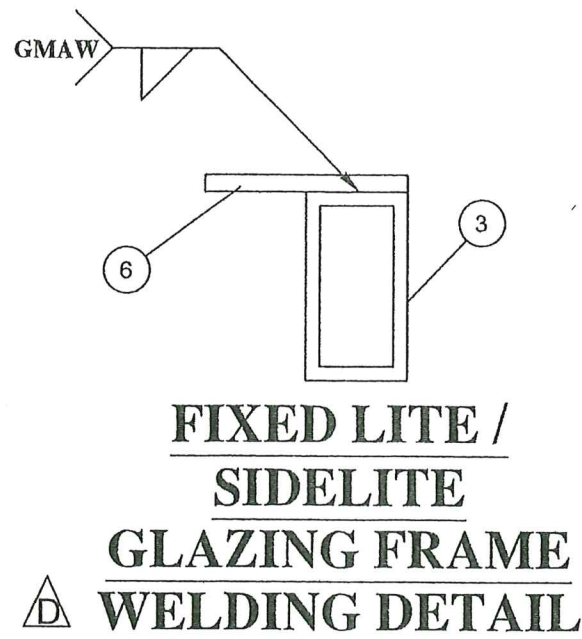
Robert J. Amoroso, P.E.

FLORIDA

PROFESSIONAL ENGINEER

No 49752

STATE OF



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **25-0424.03**
Expiration Date **04/15/2026**
By **Isang I. Chant**
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1129.01**
Expiration Date **04/15/2025**
By **Isang I. Chant**
Miami Dade Product Control

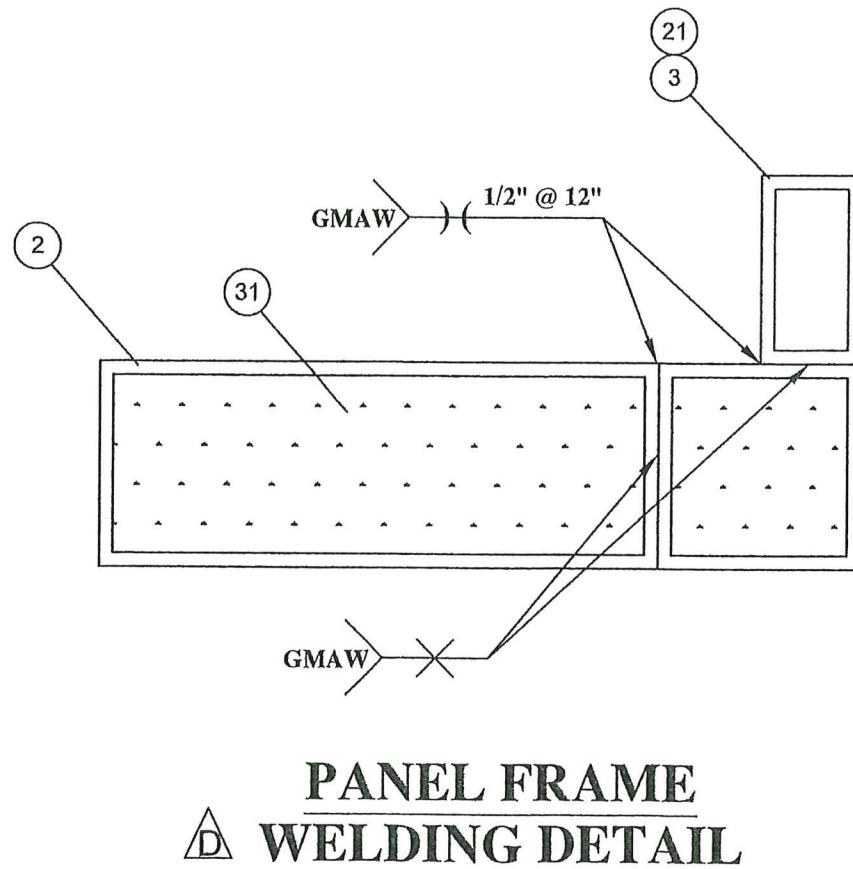
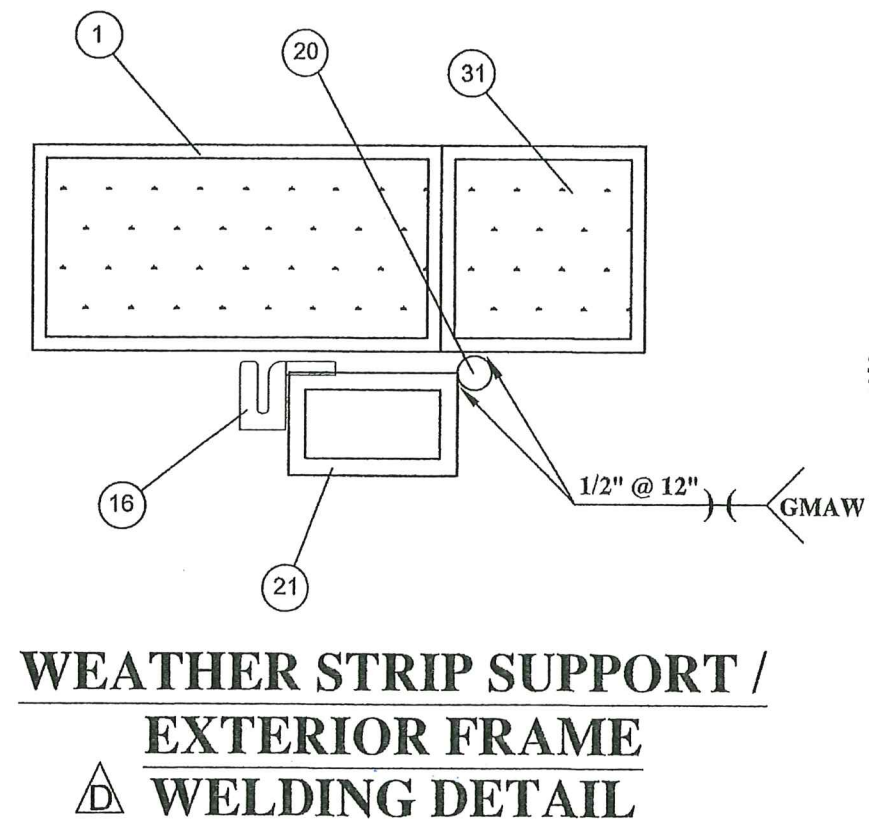


TABLE 1											
SOLID MIG WIRE: AWS ER70S-6 This is a copper coated, mild steel solid welding wire that is formulated with a high deoxidizer content to provide excellent welding performance with CO2 and argon rich shielding gasses. Ideal for short circuit transfer general fabrication welding. Produces an exceptionally smooth and stable arc with minimal spatter and offers good wetting characteristics that allow for uniform tie-in. It is a great choice for welding light to moderately scaled, oily or rusty plates. It can also be recommended for spray transfer arc welding applications.	TYPICAL APPLICATIONS Pressure vessels, pipe, shaft build up, tanks, farm implements, steel castings, auto body, collision repair and very thin sheet metal. Excellent choice when welding with wire feed speeds ranging from very slow to moderately fast.										
Typical Wire Chemistry Carbon .09 Manganese 1.55 Silicon .84 Phosphorus .011 Sulfur .015 Copper .115	Welding Positions All Positions Shielding Gas CO2 or 75% Air / 25% CO2										
Typical Mechanical Properties (AW): CO2 Tensile Strength (psf) 90,000 Yield Strength (psf) 73,000 Elongation % in 2" 25%	Operating Range Amps <table> <tr> <th>Wire Dia.</th><th>Amps</th></tr> <tr> <td>.023"</td><td>35-70</td></tr> <tr> <td>.030"</td><td>50-100</td></tr> <tr> <td>.035"</td><td>100-150</td></tr> <tr> <td>.045"</td><td>150-200</td></tr> </table>	Wire Dia.	Amps	.023"	35-70	.030"	50-100	.035"	100-150	.045"	150-200
Wire Dia.	Amps										
.023"	35-70										
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.045"	150-200										
	Approvals and Conformances AWS, A5.18, ER70S-6 *ASME SFA 5.18, F-6, A-1										



PROJECT NO. 423-0902	RJA	RJA	RJA	BY
Update to 8th Edition (2023) FBC	10/18/23	1/4/2021	4/14/2020	DATE
Update to 7th Edition (2020) FBC	J	H	REV	
CHANGED MANUFACTURER'S ADDRESS				
DESCRIPTION				

VINTAGE IRONWORKS 671 NEWBURYPORT AVE. ALTAMONTE SPRINGS, FL 32701	DRAWN BY: CB	DATE: 07/22/08
TITLE: STEEL OUTSWING DOORS W/ & W/O SIDELITES & TRANSOM WELDING SCHEDULE AND DETAILS	SCALE: N.T.S.	DRAWING NO: VIN0001
	REV: K	SHEET: 15 OF 15
PREPARED BY: PTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 FBPE Cert. of Authorization No. 25935 Email: info@ptc-corp.com		

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STATE OF FLORIDA