



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

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

NOTICE OF ACCEPTANCE (NOA)

Cantera Doors & More, Inc.
3698 RR 620 South, Suite 101
Austin, TX 78738

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 Door w & w/o Transom – L.M.I.

APPROVAL DOCUMENT: Drawing No. CANT0002, series titled "Steel Outswing Doors with & without Transoms", sheets 1 through 10 of 10, dated 07/31/08 with revision "C" dated 07/23/13, 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, **Hidalgo #701 Pte., Col. Centro de Escobedo, Monterrey, Nuevo Leon, Mexico C.P. 66050**, 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 revises and renews NOA No. 08-0807.20 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



J. Gascon
7/31/13

NOA No. 13-0422.16
Expiration Date: June 10, 2019
Approval Date: August 08, 2013
Page 1

Cantera Doors & More, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 08-0807.20)
2. Drawing No. **CANT0002**, series titled "Steel Outswing Doors with & without Transoms", sheets 1 through 10 of 10, dated 07/31/08 with revision "C" dated 07/23/13, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 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 outswing steel door, prepared by Certified Testing Laboratories, Test Reports No.'s **CTLA 1762W-4**, dated 01/30/08, and **CTLA 1762W-5**, dated 02/06/08, all signed and sealed by Ramesh Patel, P.E.
(Submitted under previous NOA No. 08-0807.20)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by PTC, LLC, dated 06/04/08 and 03/05/09 signed and sealed by Paul E. Winter, P. E.
(Submitted under previous NOA No. 08-0807.20)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

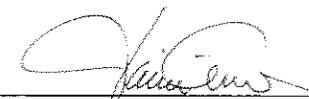
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of no financial interest, equivalency evaluation and conformance, complying with **FBC-2010**, of dated 03/22/12, signed and sealed by Robert J. Amoruso, P. E.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13-0422.16
Expiration Date: June 10, 2019
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Cantera Doors & More, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

2. Laboratory addendum letter for Test Report No. **CTLA 1762W-5**, dated 12/03/08, issued by Certified Testing Laboratories, Inc., signed and sealed by Ramesh Patel, P. E.
(Submitted under previous NOA No. 08-0807.20)
3. Laboratory compliance letters for Test Reports No.'s **CTLA 1762W-4**, dated 01/30/08 and **CTLA 1762W-5**, dated 02/06/08, both issued by Certified Testing Laboratories, Inc., both signed and sealed by Ramesh Patel, P. E.
(Submitted under previous NOA No. 08-0807.20)
4. Department of State Certification of **CANTERA DOORS & MORE, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 07/15/11 and signed by Secretary of State.
5. Distributor Agreement between Cantera Doors Mexico, S.A. de C.V. and Cantera Doors & More, Inc., dated 07/29/13, signed by Jose Mauricio Trevino, CEO, respectively.

G. OTHERS

1. Notice of Acceptance No. **08-0807.20**, issued to Cantera Doors, Inc. for their Series "Outswing Glazed Steel Door w & w/o Transom - L.M.I.", approved on 06/10/09 and expiring on 06/10/14.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13-0422.16
Expiration Date: June 10, 2019
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CANTERA DOORS & MORE, INC.

STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS

INSTALLATION ANCHORAGE DRAWING

GENERAL NOTES:

1. THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2007 & 2010 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 #CTLA 1762W-4 DATED MARCH 17, 2008, CTLA 1762W-5 DATED MARCH 19, 2008 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 FOR THE PROJECT.
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 FOR THE PROJECT.

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 HEREIN
8. DOOR FRAME AND PANEL MATERIAL: STEEL
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04a1. SEE SHEET 5 FOR GLAZING DETAIL.
- 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.

INSTALLATION NOTES:

1. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN IN HEAD AND JAMBS. ONE (1) INSTALLATION ANCHOR IS REQUIRED IN THE THRESHOLD.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION. IN ADDITION TO THE INSTALLATION ANCHORS SHOWN.
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 3/8" LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 2 1/2 INCH MINIMUM EMBEDMENT IN FRAME HEAD AND JAMBS.
5. FOR INSTALLATION TO CONCRETE, USE 3/8 INCH POWER'S TAPPERS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT AT HEAD AND JAMBS. USE 1/4 INCH ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT AT SILL.
6. ALTERNATE CONCRETE / MASONRY INSTALLATION ANCHORS OF EQUIVALENT PERFORMANCE CHARACTERISTICS CAN BE USED UPON APPROVAL OF THE ARCHITECT OR ENGINEER OF RECORD FOR THE PROJECT OF INSTALLATION.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
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.
 - A. WOOD PT SOUTHERN YELLOW PINE - MINIMUM SPECIFIC GRAVITY IS 0.55. LUMBER MUST COMPLY WITH FBC SECTIONS 2411.3.3.3 AND 2326.2 AS TO WOOD PROTECTION.
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI & CONFORMS TO ACI 301, ACI 318-08, ACI 355.2 AND 2007/2010 FBC.
 - C. MASONRY - STRENGTH CONFORMS TO ACI 530-08, ASTM C-90, MEDIUM WEIGHT AND 2007/2010 FBC.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
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.



TABLE 1

<p>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.</p>	<p>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.</p>																																			
<p>Typical Wire Chemistry</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">AWS Specs</td> </tr> <tr> <td>Carbon</td> <td style="text-align: center;">.09 .07/ .15</td> </tr> <tr> <td>Manganese</td> <td style="text-align: center;">1.55 1.40/ 1.85</td> </tr> <tr> <td>Silicon</td> <td style="text-align: center;">.84 .80/ 1.15</td> </tr> <tr> <td>Phosphorus</td> <td style="text-align: center;">.011 .025 max</td> </tr> <tr> <td>Sulfur</td> <td style="text-align: center;">.015 .035 max</td> </tr> <tr> <td>Copper</td> <td style="text-align: center;">.115 .50 max</td> </tr> </table>		AWS Specs	Carbon	.09 .07/ .15	Manganese	1.55 1.40/ 1.85	Silicon	.84 .80/ 1.15	Phosphorus	.011 .025 max	Sulfur	.015 .035 max	Copper	.115 .50 max	<p>Typical Weld Metal Properties</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">CO2</td> <td style="text-align: center;">75% Air, 25% CO@</td> </tr> <tr> <td>Carbon</td> <td style="text-align: center;">.09</td> <td style="text-align: center;">.08</td> </tr> <tr> <td>Manganese</td> <td style="text-align: center;">1.25</td> <td style="text-align: center;">1.34</td> </tr> <tr> <td>Silicon</td> <td style="text-align: center;">.74</td> <td style="text-align: center;">.79</td> </tr> <tr> <td>Phosphorus</td> <td style="text-align: center;">.013</td> <td style="text-align: center;">.013</td> </tr> <tr> <td>Sulfur</td> <td style="text-align: center;">.023</td> <td style="text-align: center;">.023</td> </tr> <tr> <td>Copper</td> <td style="text-align: center;">.092</td> <td style="text-align: center;">.091</td> </tr> </table>		CO2	75% Air, 25% CO@	Carbon	.09	.08	Manganese	1.25	1.34	Silicon	.74	.79	Phosphorus	.013	.013	Sulfur	.023	.023	Copper	.092	.091
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TABLE OF CONTENTS

SHEET	REV.	SHEET DESCRIPTION
1	C	GENERAL NOTES, INSTALLATION NOTES, D.P. CHART & TABLE 1
2	C	ELEVATION AND ANCHOR LAYOUT
3	C	ELEVATION AND ANCHOR LAYOUT
4	C	ELEVATION AND ANCHOR LAYOUT
5	C	VERTICAL SECTIONS AND GLAZING DETAIL
6	C	VERTICAL SECTIONS
7	C	HORIZONTAL SECTIONS
8	C	HORIZONTAL SECTION AND CORNER DETAILS
9	C	COMPONENTS AND BILL OF MATERIALS
10	C	APPROVED CONFIGURATIONS

DESIGN PRESSURE RATING (PSF)

CONFIGURATIONS	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	IMPACT RATING
DOUBLE DOOR W/ RECTANGULAR TRANSOM (W4)	±19.1	±70.0	LARGE MISSILE
DOUBLE DOOR WITH ARCH TRANSOM (W5)	±45.0	±70.0	

PROJECT # 412-0116	UPDATED TO	07/23/13	RJA
	2010 FBC		
	PER MIAMI-DADE	02/05/09	BB
	01-05-09		
	PER MIAMI-DADE	12/5/08	SMC
	9-25-08		
	DESCRIPTION	DATE	BY
C			
B			
A			
REV			

CANTERA DOORS & MORE, INC.
1310 RANCH ROAD 620 SOUTH, SUITE B204
AUSTIN, TX 78734

DATE: 07/13/08
DRAWING NO: CANT0002
SHEET: 1 OF 10

DRAWN BY: BB
SCALE: N.T.S.
REV: C

PREPARED BY: BB

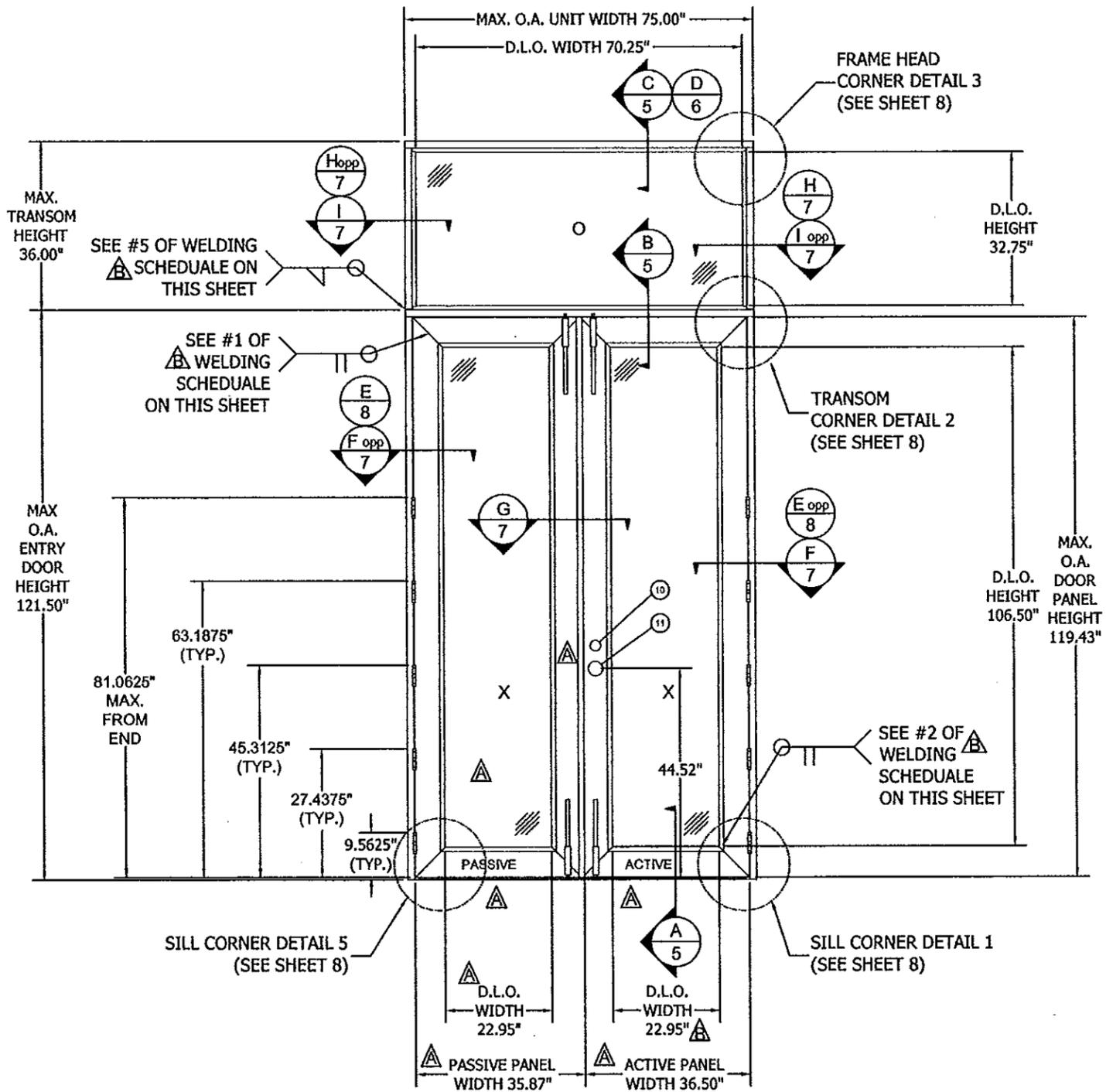
PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 230775
Largo, FL 33725-0775
Phone: 321.961.1788
Fax: 321.961.1789
Email: info@ptc.com

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

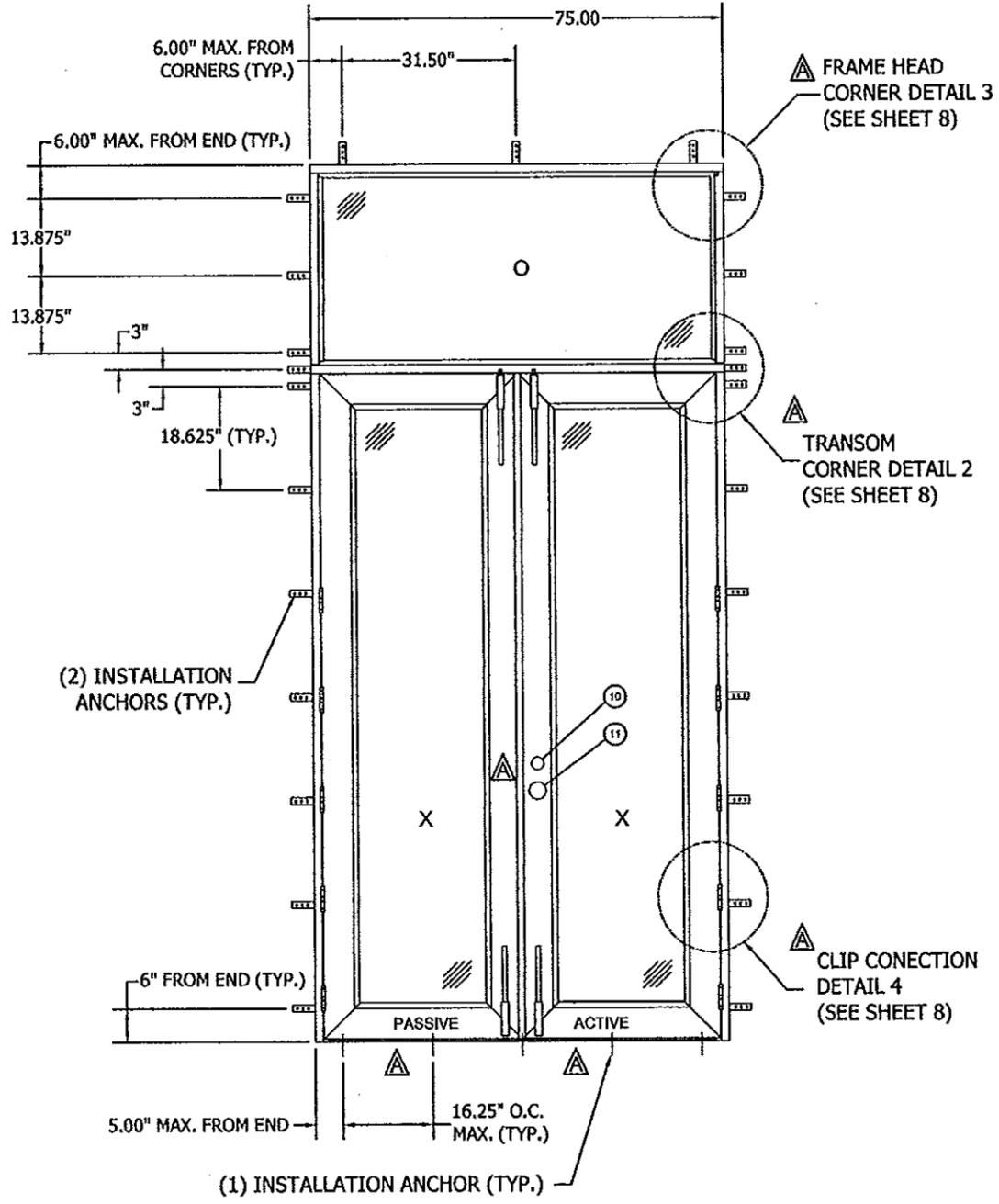
ROBERT JAMES AMOROSO
LICENSE
No 49752
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 13-04-22-19
Expiration Date: 02/28/2014

By: *[Signature]*
Miami Dade Product Control



ELEVATION
INTERIOR VIEW



ANCHOR LAYOUT
INTERIOR VIEW

WELDING SCHEDULE						
#	WELD DESCRIPTION	QTY	LENGTH (EACH)	WIRE DIAMETER	NORM	SYMBOL
1	45° WELD @ STILES	4	12.7125"	0.035"	REFER TO TABLE 1 ON SHEET 1	MITERED AND BUTT WELDED
2	45° WELD GLASS STOP	4	3"	0.035"	REFER TO TABLE 1 ON SHEET 1	MITERED AND BUTT WELDED
5	TRANSOM WELD	2	****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET

**** VARIES FROM 5.25" TO 6.75"

NOTE:
HINGES SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL HINGES, IF DESIRED, MAY BE USED.

PROJECT # 412-0116	DATE	BY
UPDATED TO 2010 FBC	07/23/13	RJA
PER MIAMI-DADE 01-05-09	02/05/09	BB
PER MIAMI-DADE 9-25-08	12/15/08	SMC
REV	DESCRIPTION	

CANTERA DOORS & MORE, INC.
1310 RANCH ROAD 620 SOUTH, SUITE B204
AUSTIN, TX 78734

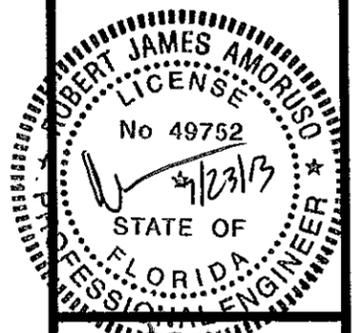
TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS
ELEVATION & ANCHOR LAYOUT

DATE: 07/13/08
DRAWN BY: BB
SCALE: N.T.S.
DRAWING NO: CANT0002
SHEET: 2 OF 10

PREPARED BY: C

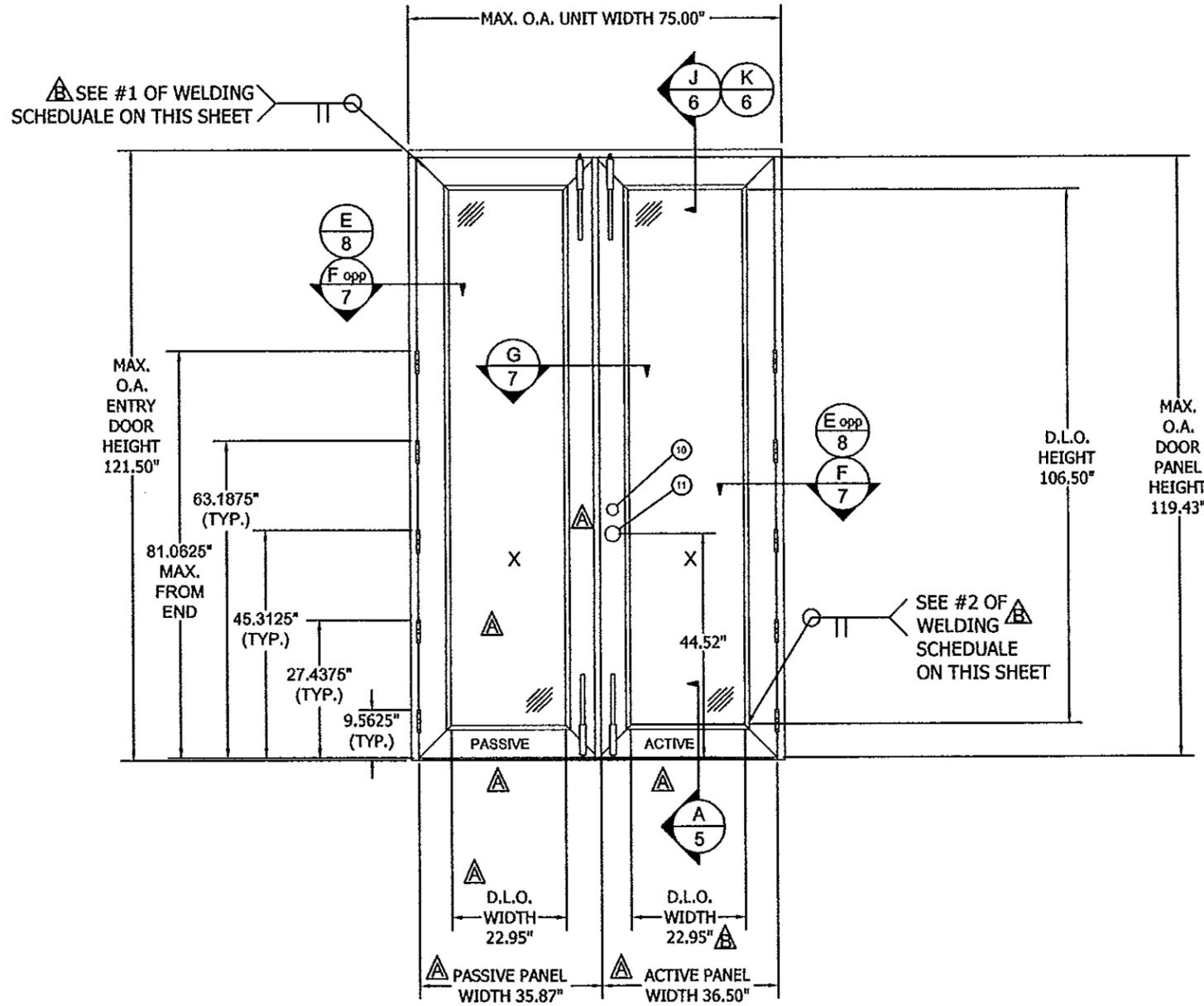
PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 620776
Longwood, FL 32762-0776
Phone: 321.860.1788
Fax: 321.860.1789
Email: info@ptc-corp.com

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

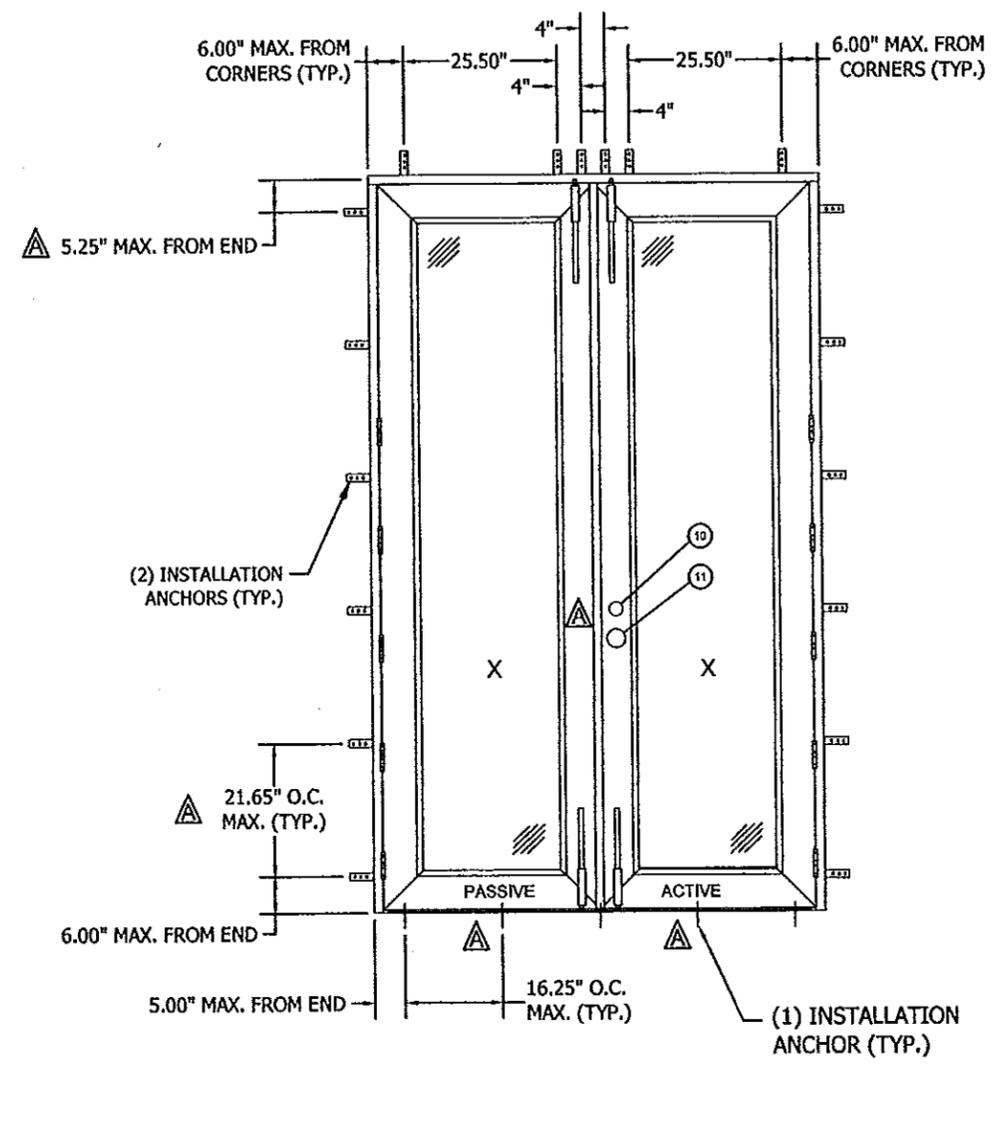


PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 13-0422-16
Expiration Date 06/30/2016

By:
Miami Dade Product Control



ELEVATION
INTERIOR VIEW



ANCHOR LAYOUT
INTERIOR VIEW

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	2010 FBC	02/05/09	12/15/08	BY
				SMC
				BB
				RJA
				REV
				DESCRIPTION

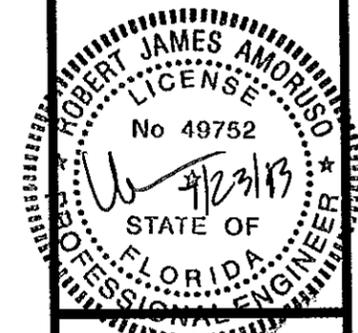
CANTERA DOORS & MORE, INC.
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TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS
ELEVATION & ANCHOR LAYOUT

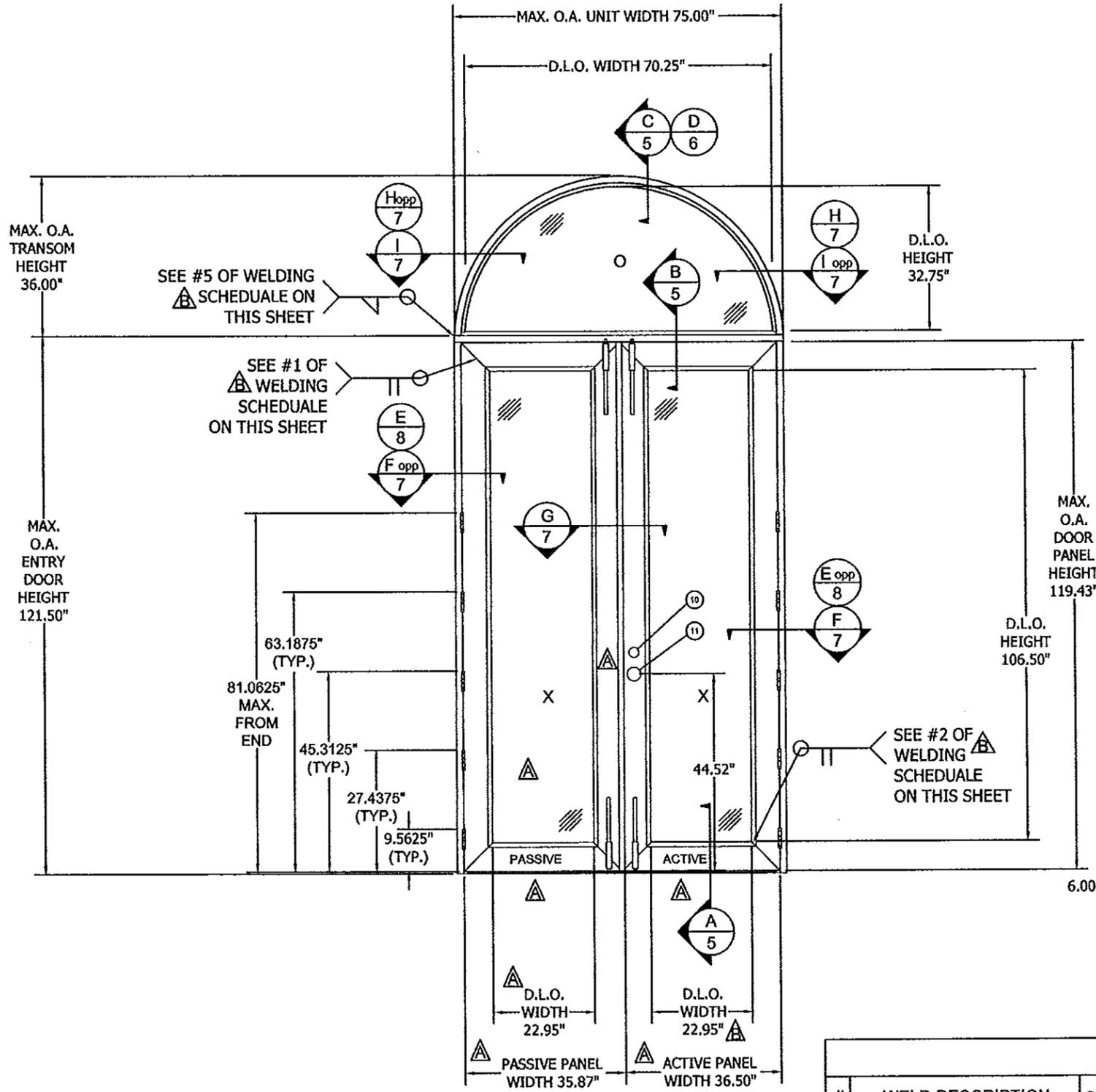
PREPARED BY: BB
SCALE: N.T.S.
DATE: 07/13/08
DRAWING NO: CANT0002
SHEET: 3 OF 10

PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 520775
Largo, FL 33752-0775
Phone: 321.960.1786
Fax: 321.960.1789
Email: info@pdg-inc.com

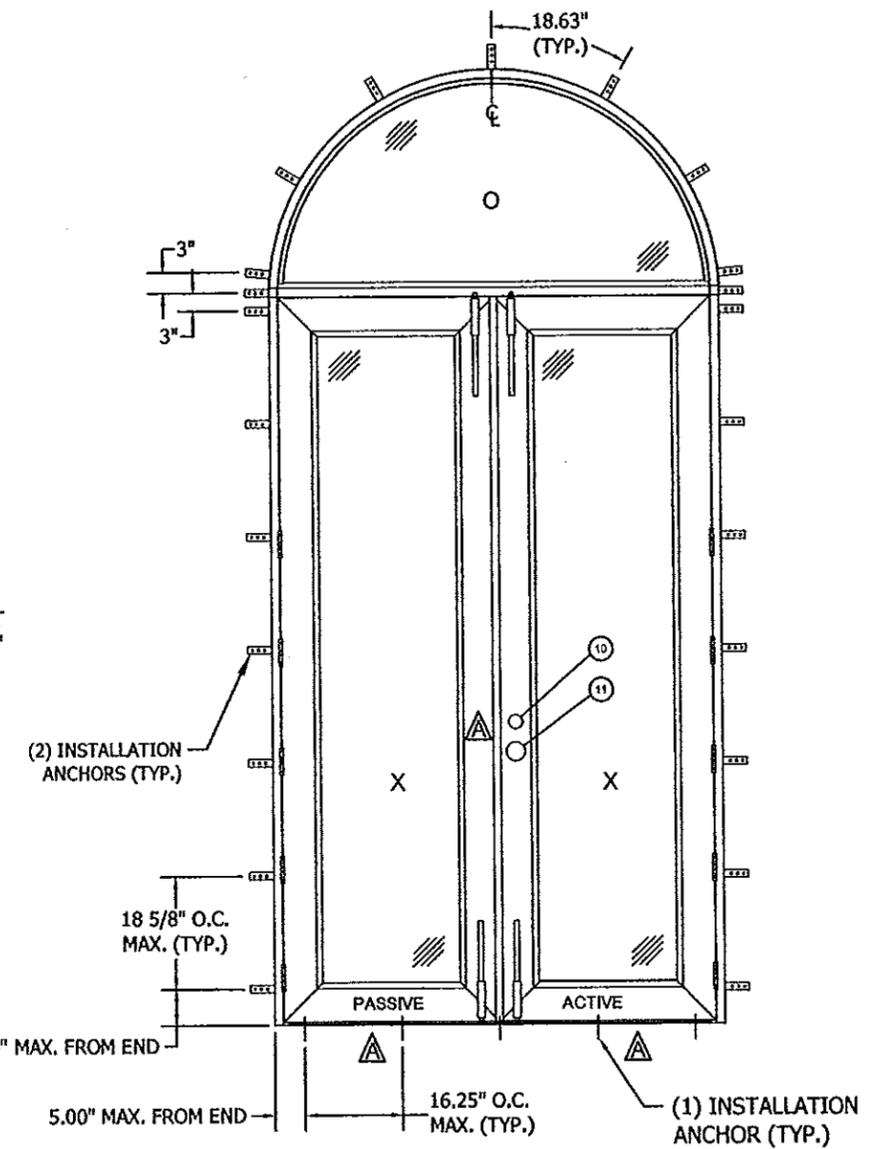
Robert J. Amoroso, P.E.
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PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. 13-0422
Expiration Date: 12/31/13
By:
Miami Dade Product Control



ELEVATION
INTERIOR VIEW



ANCHOR LAYOUT
INTERIOR VIEW

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R/JA	07/23/13	BB	SMC	DATE
C		A		REV

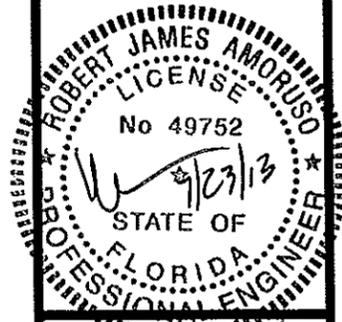
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1310 RANCH ROAD 620 SOUTH, SUITE B204
AUSTIN, TX 78734

TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS
ELEVATION & ANCHOR LAYOUT

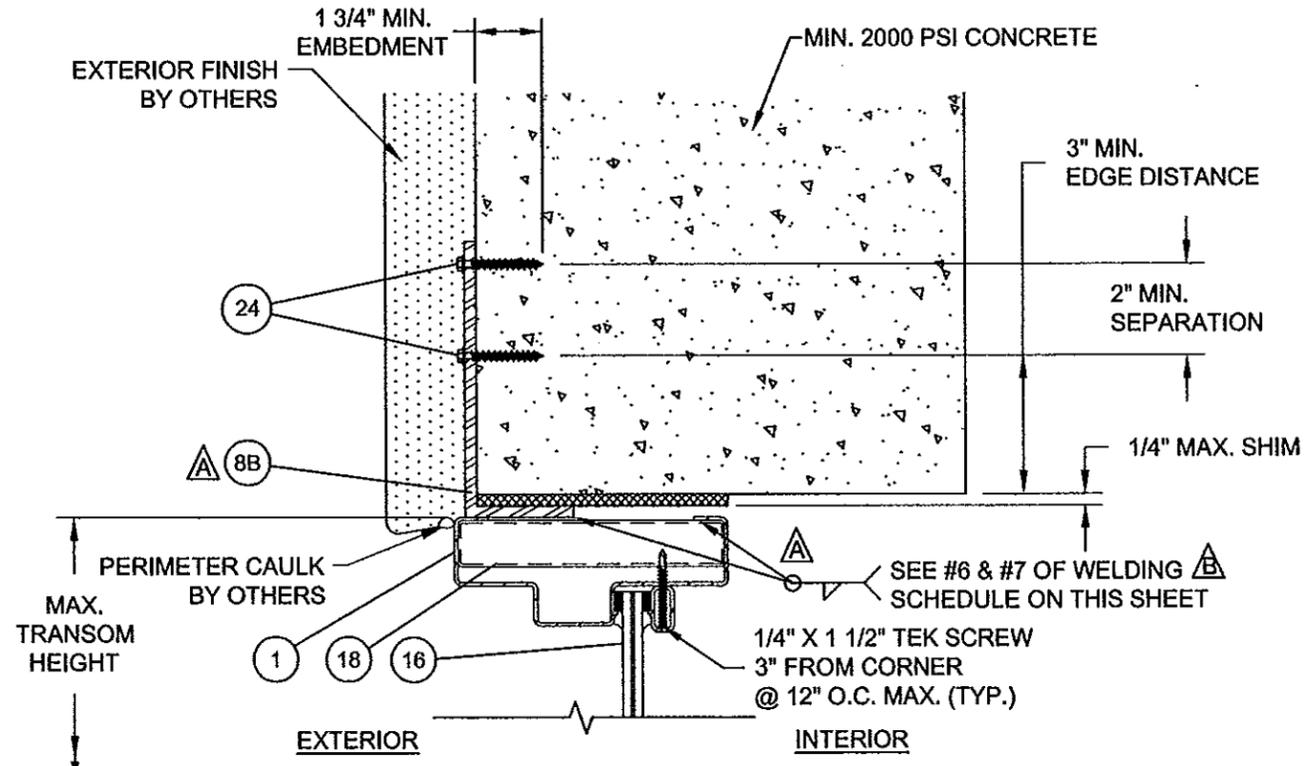
PREPARED BY: BB
DRAWN BY: N.T.S.
DATE: 07/31/08
DRAWING NO: CANT0002
SHEET: 4 OF 10

PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 532775
Longwood, FL 32752-0775
Phone: 321.681.1786
Fax: 321.681.1759
Email: info@ptc-usa.com

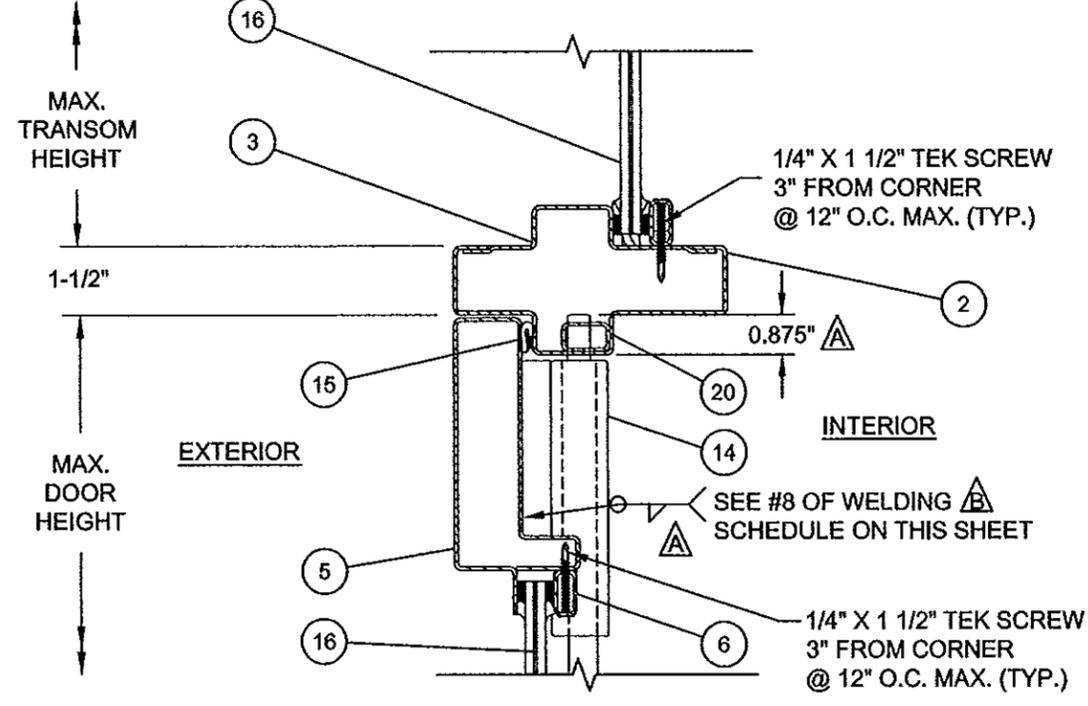
Robert J. Amoroso, P.E.
Florida P.E. No. 49752



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-1422
Expiration Date 12/31/13
By: [Signature]
Miami Dade Product Control



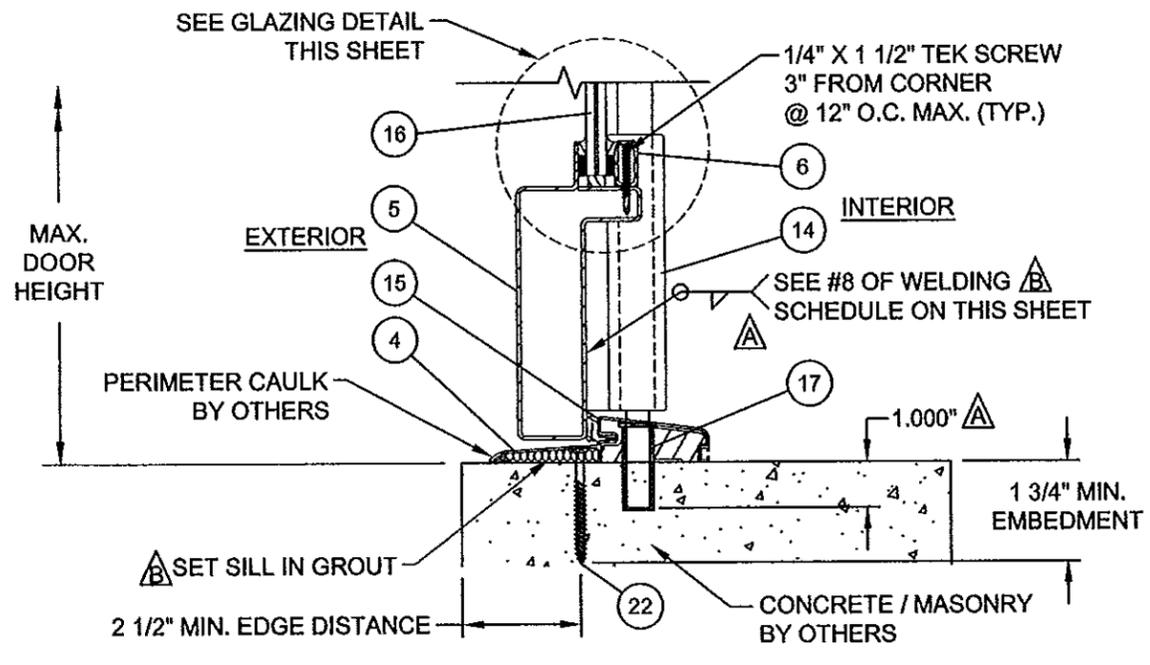
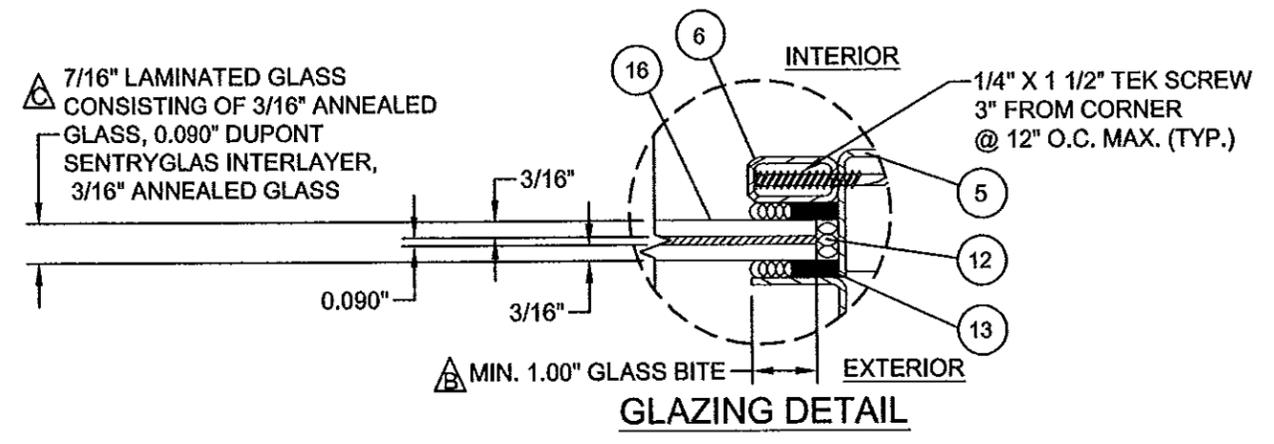
C VERTICAL SECTION
 5 TRANSOM CONCRETE / MASONRY



B VERTICAL SECTION
 5 DOOR AT TRANSOM

WELDING SCHEDULE						
#	WELD DESCRIPTION	QTY	LENGTH (EACH)	WIRE DIAMETER	NORM	SYMBOL
6	L BRACKET TO FRAME	***	*****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
7	STIFFENER TO FRAME	***	1.250"	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
8	SURFACE MOUNTED BOLT TO DOOR PANEL	2	*****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET

*** DEPENDS ON NO. OF "L" BRACKETS
 ***** ALL AROUND THE PERIMETER



A VERTICAL SECTION
 5 DOOR AT SILL CONCRETE / MASONRY

PROJECT # 412-0116

UPDATED TO	07/23/13	RJA
PER MIAMI-DADE	02/05/09	BB
PER MIAMI-DADE	12/15/08	S/MC

CANTERA DOORS & MORE, INC.
 1310 RANCH ROAD 620 SOUTH, SUITE B204
 AUSTIN, TX 78734

TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS VERTICAL SECTIONS AND GLAZING DETAIL

DATE: 07/13/08
 DRAWN BY: BB
 SCALE: N.T.S.
 SHEET: 5 OF 10

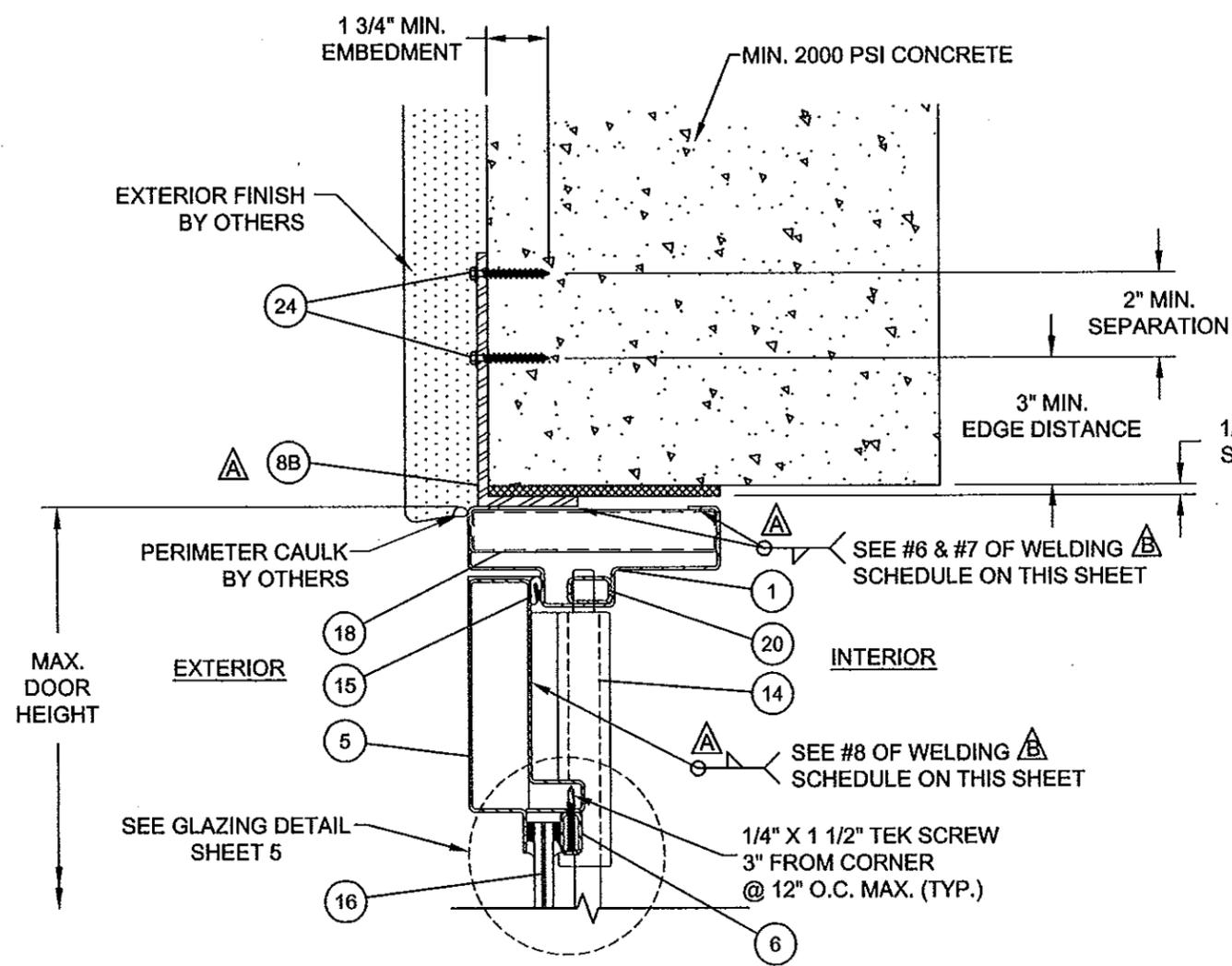
PREPARED BY: C

PTC PRODUCT DESIGN GROUP, LLC
 P.O. Box 530775
 Longwood, FL 32752-0775
 Phone: 321.884.1786
 Fax: 321.884.1788
 Email: info@ptc-usa.com

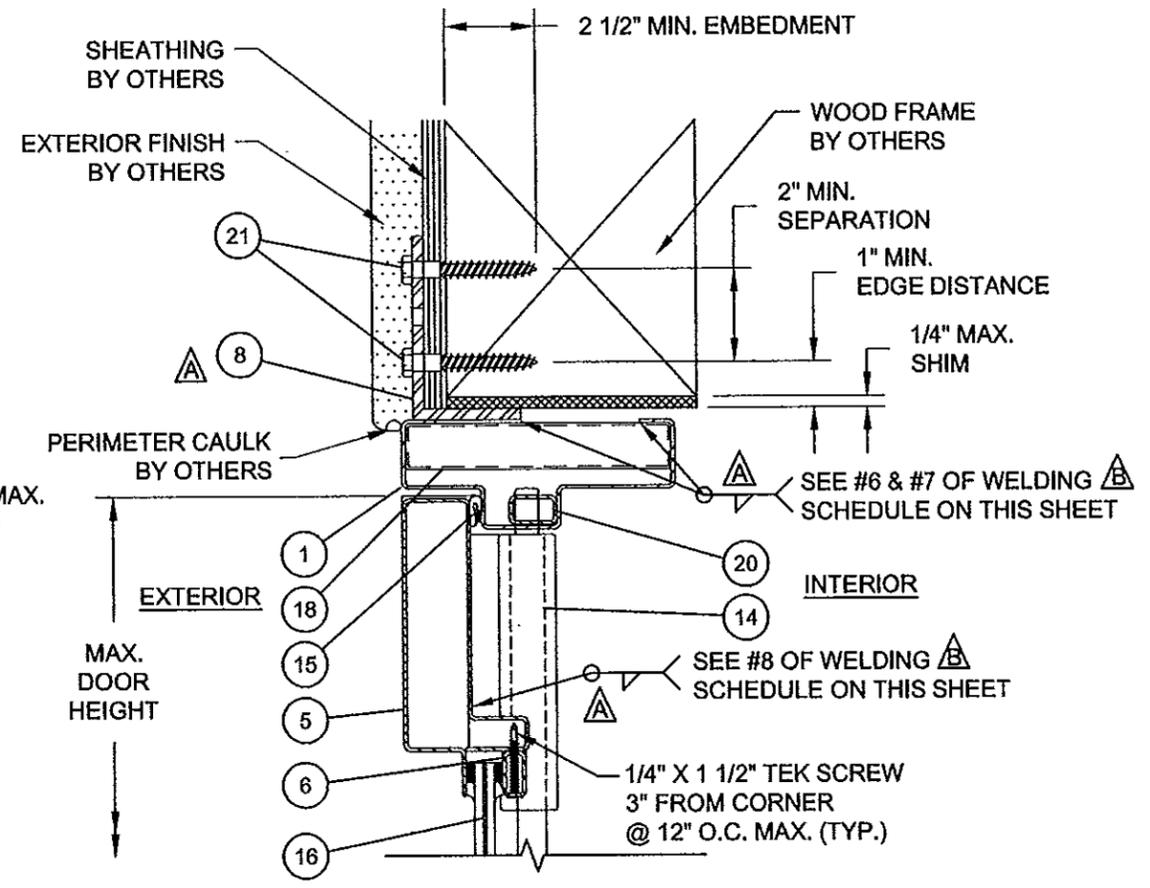
Robert J. Amoroso, P.E.
 Florida P.E. No. 49752

PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE No. 49752
 7/23/13

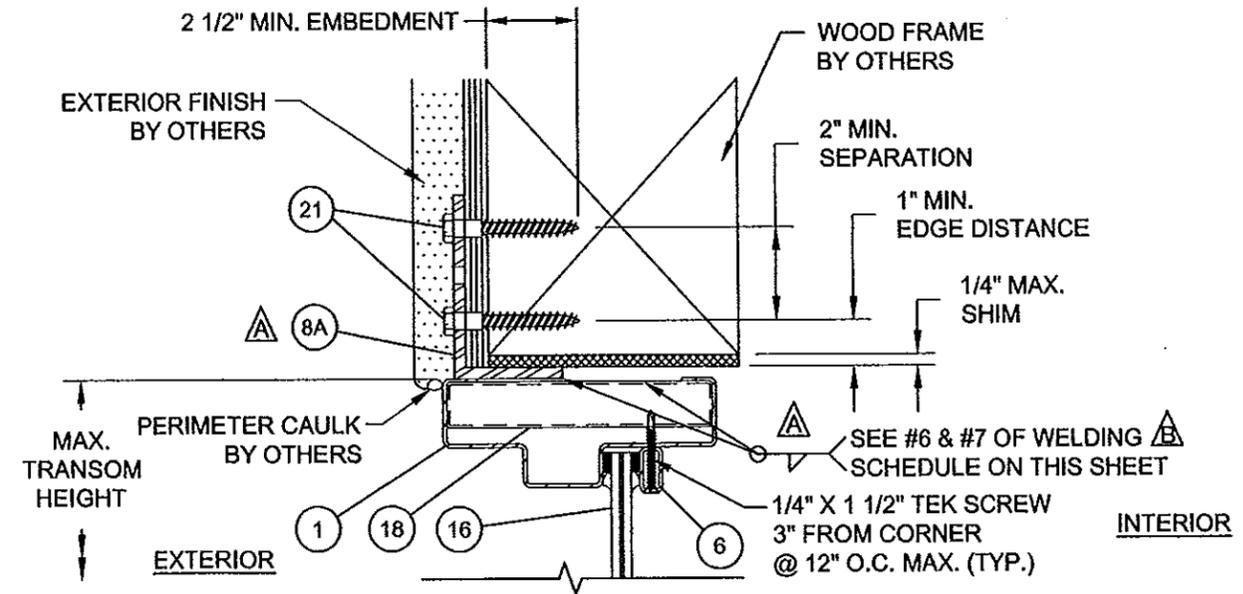
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 13-0422
 By: [Signature]
 Miami Dade Product Control



J VERTICAL SECTION
 DOOR AT HEAD
 STANDARD CLIP FOR CONCRETE / MASONRY



K VERTICAL SECTION
 DOOR AT HEAD
 STANDARD CLIP FOR 2X WOOD FRAME



D VERTICAL SECTION AT TRANSOM
 TRANSOM
 OPTIONAL CLIP 2X WOOD FRAME

WELDING SCHEDULE						
#	WELD DESCRIPTION	QTY	LENGTH (EACH)	WIRE DIAMETER	NORM	SYMBOL
6	L BRACKET TO FRAME	***	*****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
7	STIFFENER TO FRAME	***	1.250"	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
8	SURFACE MOUNTED BOLT TO DOOR PANEL	2	*****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET

*** DEPENDS ON NO. OF "L" BRACKETS
 ***** ALL AROUND THE PERIMETER

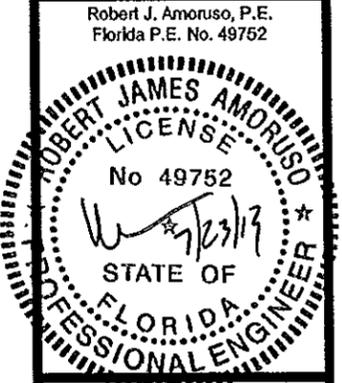
PROJECT # 412-0116	DATE	BY
UPDATED TO 2010 FBC	07/23/13	RJA
PER MIAMI-DADE 01-05-09	02/05/09	BB
PER MIAMI-DADE 9-25-08	12/5/08	SMC
DESCRIPTION	REV	DATE
	A	
	B	
	C	

CANTERA DOORS & MORE, INC.
 1310 RANCH ROAD 620 SOUTH, SUITE B204
 AUSTIN, TX 78734

STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS
 VERTICAL SECTIONS

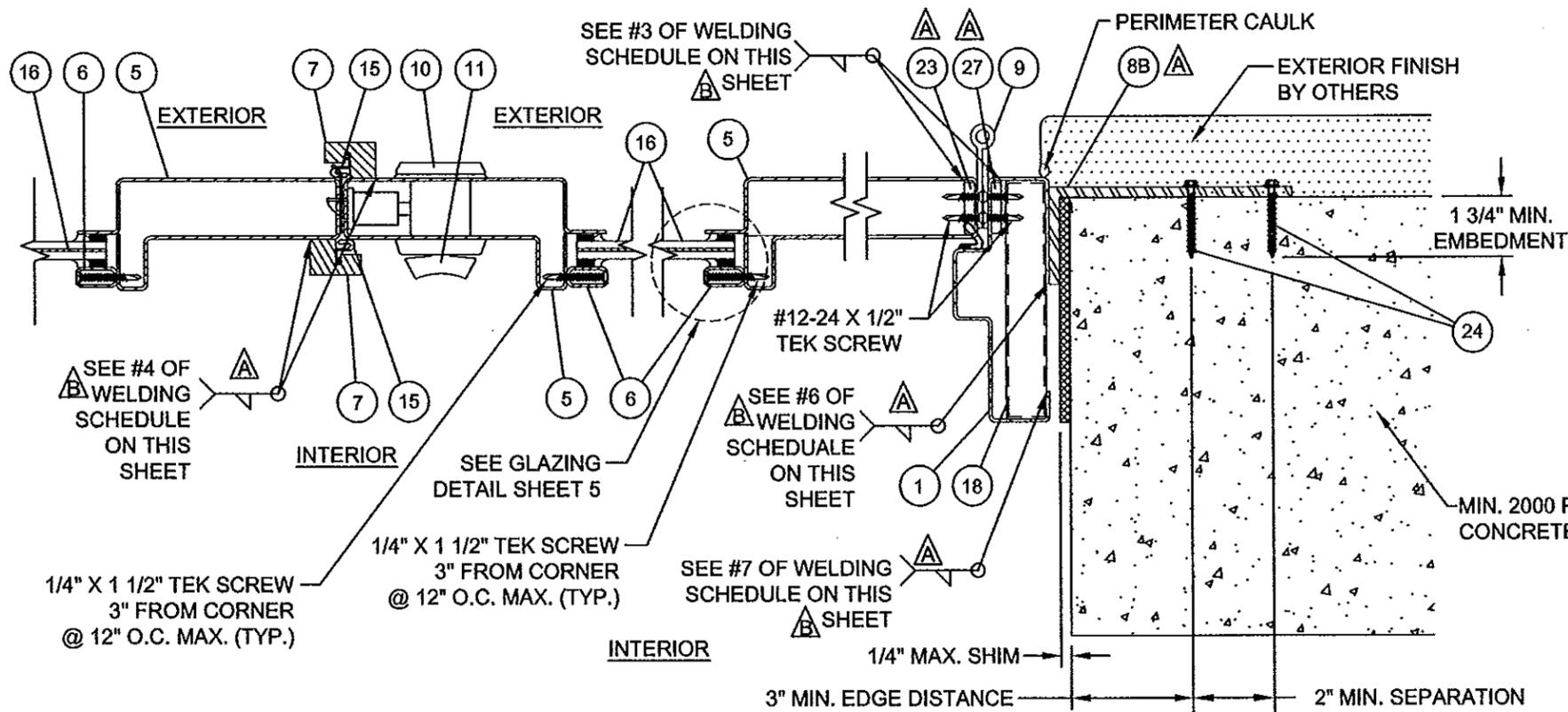
DATE: 07/13/08
 DRAWN BY: BB
 SCALE: N.T.S.
 DRAWING NO: CANT0002
 SHEET: 6 OF 10

PTC PRODUCT DESIGN GROUP, LLC
 P.O. Box 520775
 Longwood, FL 32752-0775
 Phone: 321.960.1788
 Fax: 321.660.1789
 Email: info@pdg-usa.com

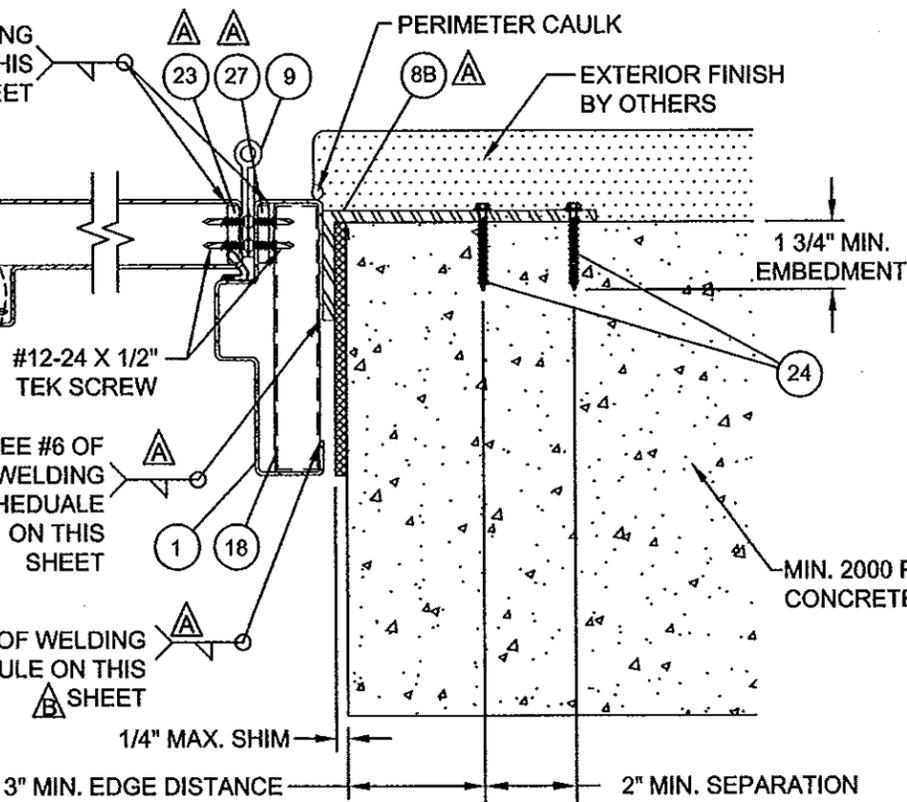


PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 13-0022
 Expiration Date 12/31/13

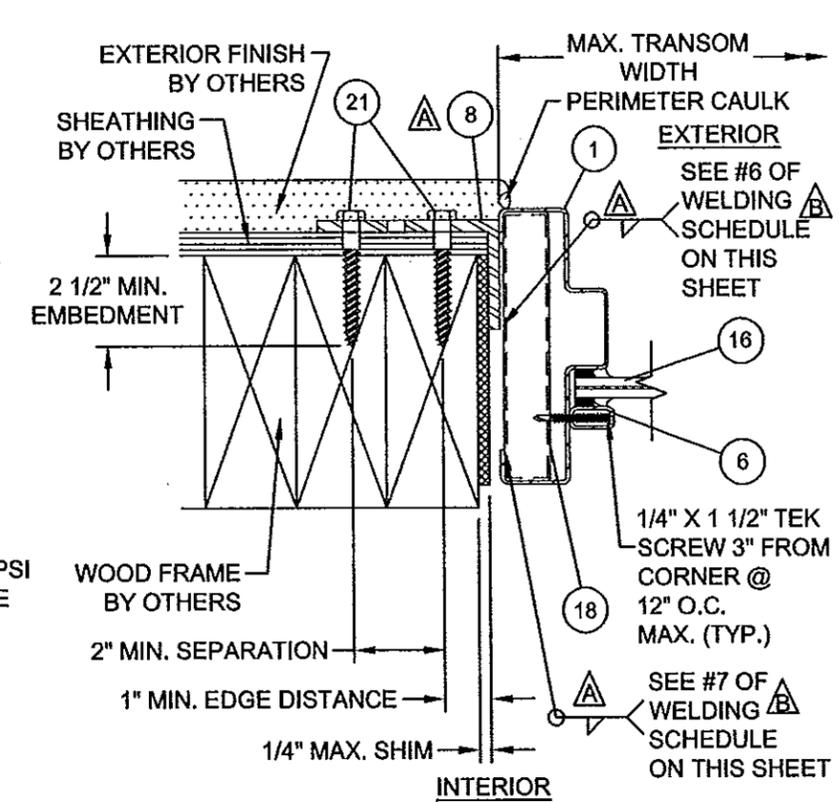
By: [Signature]
 Miami Dade Product Control



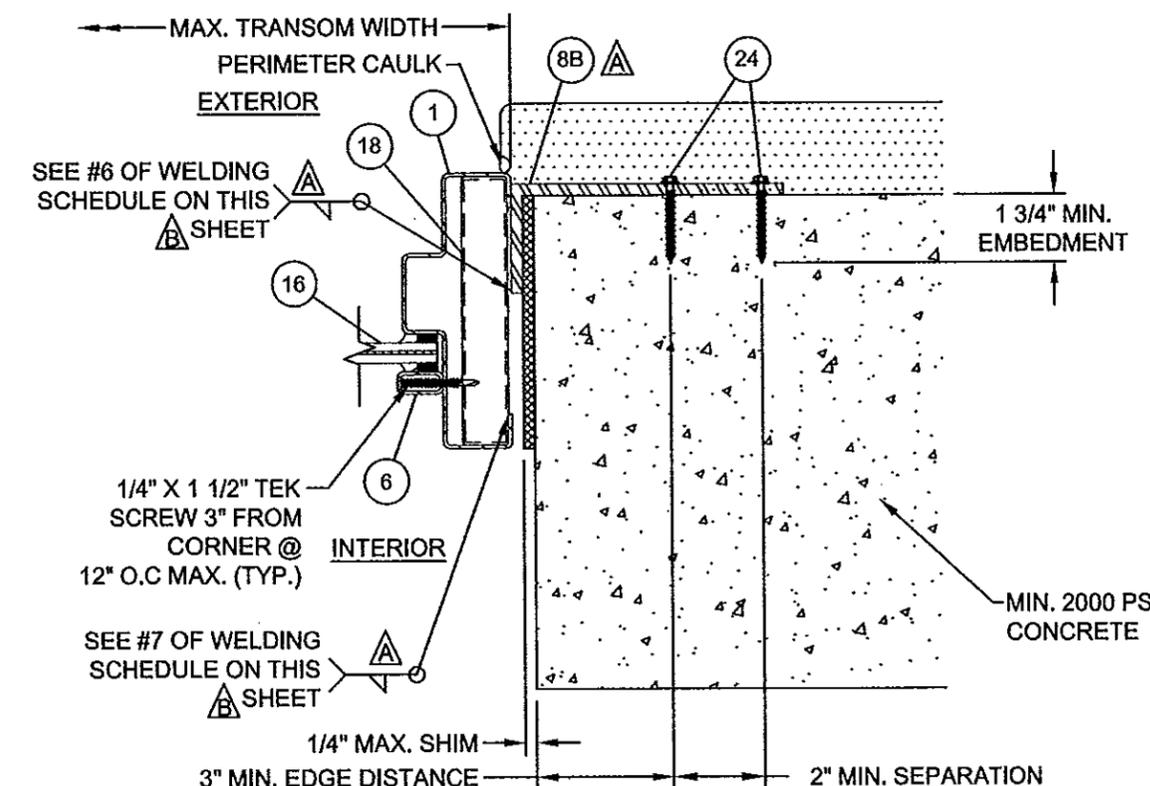
G HORIZONTAL SECTION
7 DOOR AT ASTRAGAL



F HORIZONTAL SECTION
7 DOOR AT HINGE JAMB
STANDARD CLIP FOR CONCRETE / MASONRY



I HORIZONTAL SECTION
7 TRANSOM JAMB
STANDARD CLIP FOR 2X WOOD FRAME



H HORIZONTAL SECTION
7 TRANSOM JAMB
STANDARD CLIP FOR CONCRETE / MASONRY

WELDING SCHEDULE						
#	WELD DESCRIPTION	QTY	LENGTH (EACH)	WIRE DIAMETER	NORM	SYMBOL
3	HINGE REINFORCEMENT TO STILE	*	4.5"	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
4	ASTRAGAL TO STILE	**	0.375"	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
6	L BRACKET TO FRAME	***	*****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
7	STIFFENER TO FRAME	***	1.250"	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET

* DEPENDS ON NO. OF HINGES
 ** APPLIED IN ALL THE ASTRAGAL STARTING 12" FROM THE TOP & ENDING 12" FROM THE BOTTOM
 *** DEPENDS ON NO. OF "L" BRACKETS
 **** ALL AROUND THE PERIMETER

PROJECT # 412-0116	DATE	BY
UPDATED TO 2010 FCC	07/23/13	RJA
PER MIAMI-DADE 01-05-09	02/05/09	BB
PER MIAMI-DADE 9-25-08	12/5/08	SMC
DESCRIPTION		

CANTERA DOORS & MORE, INC.
 1310 RANCH ROAD 620 SOUTH, SUITE B204
 AUSTIN, TX 78734

TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS
 HORIZONTAL SECTIONS

DATE: 07/31/08
 DRAWN BY: BB
 SCALE: N.T.S.
 DRAWING NO.: CANT0002
 SHEET: 7 OF 10

PREPARED BY: RJC
 PTC PRODUCT DESIGN GROUP, LLC
 P.O. Box 528776
 Longwood, FL 32752-0775
 Phone: 321.880.1788
 Fax: 321.880.1789
 Email: info@ptc-usa.com

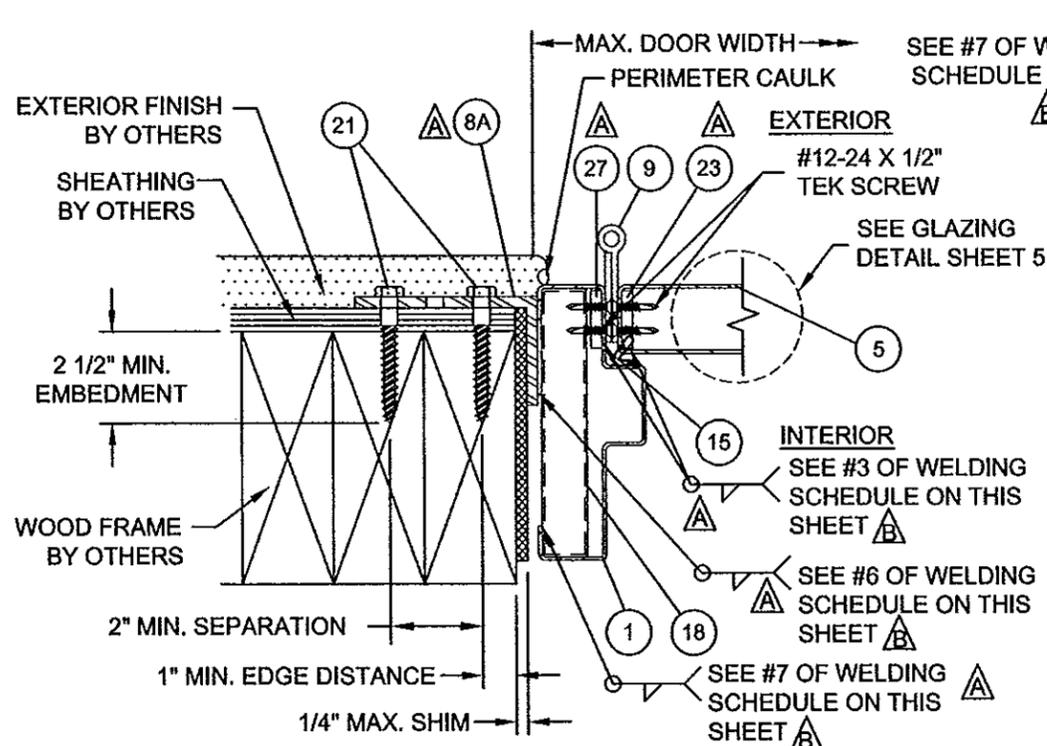
Robert J. Amoroso, P.E.
 Florida P.E. No. 49752

PROFESSIONAL ENGINEER
 LICENSE
 No 49752
 STATE OF FLORIDA

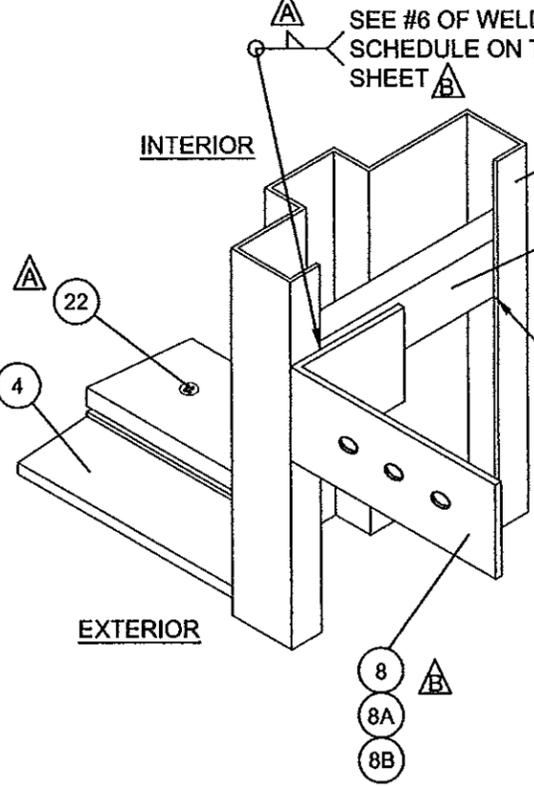
12/23/13

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 13-042216
 Expiration Date 08/20/16

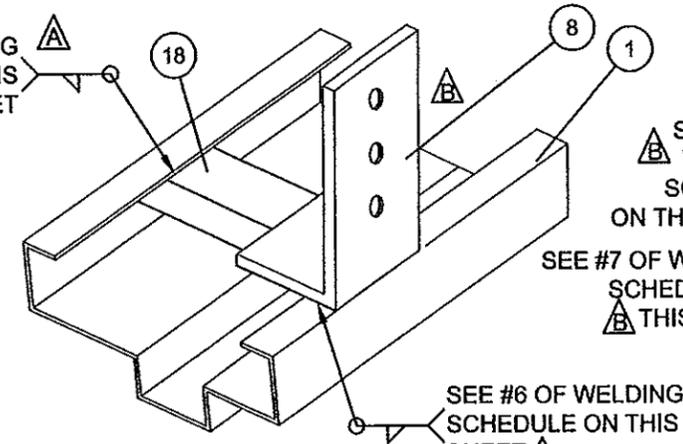
By: [Signature]
 Miami Dade Product Control



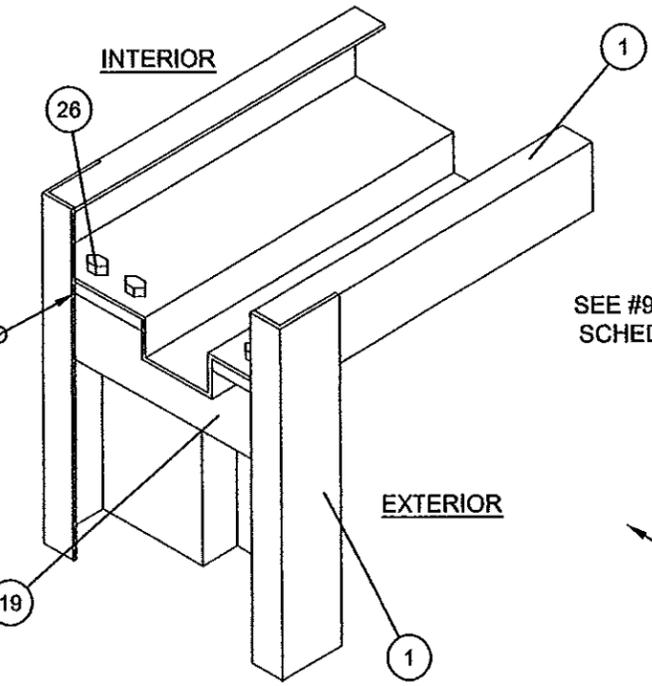
E **8** **HORIZONTAL SECTION**
2X WOOD FRAME SUBSTRATE



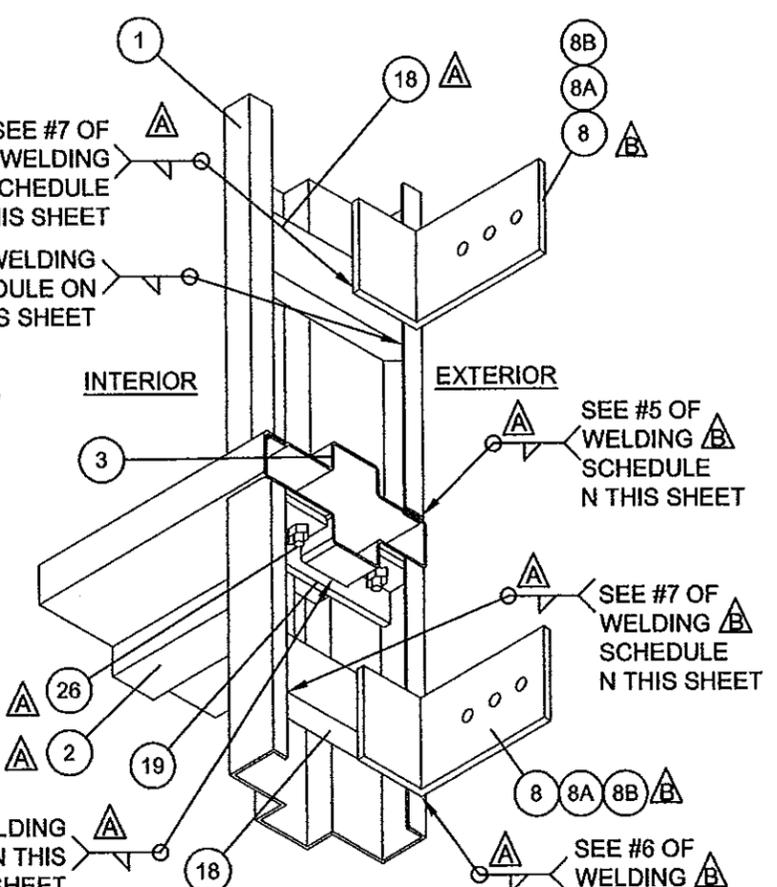
SILL CORNER
DETAIL 1



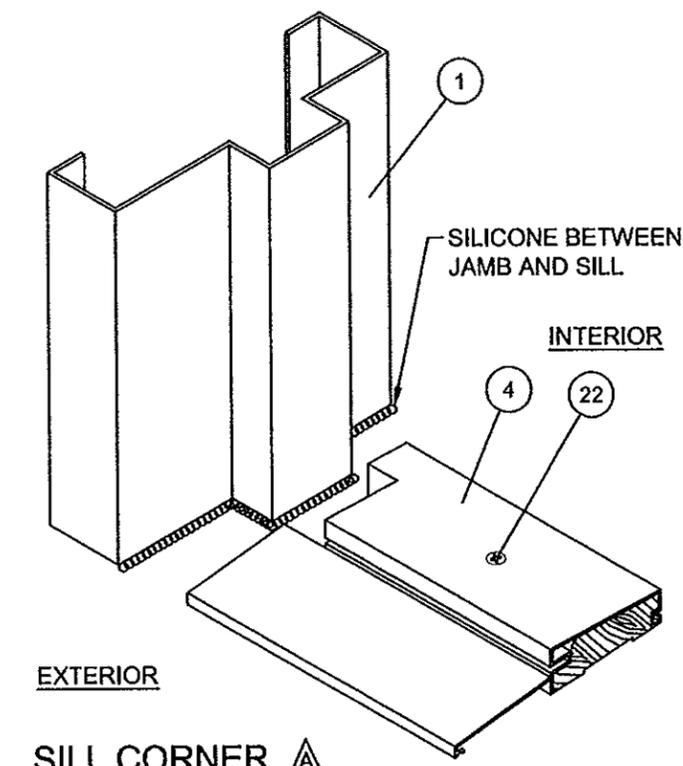
CLIP CONNECTION
DETAIL 4



FRAME HEAD CORNER
DETAIL 3



TRANSOM CORNER
DETAIL 2



SILL CORNER
DETAIL 5

WELDING SCHEDULE						
#	WELD DESCRIPTION	QTY	LENGTH (EACH)	WIRE DIAMETER	NORM	SYMBOL
3	HINGE REINFORCEMENT TO STILE	*	4.5"	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
5	TRANSOM WELD	2	****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
6	L BRACKET TO FRAME	***	*****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
7	STIFFENER TO FRAME	***	1.250"	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET
9	ANGLED STEEL REINFORCEMENT PLATE	2	*****	0.035"	REFER TO TABLE 1 ON SHEET 1	FILLET

* DEPENDS ON NO. OF HINGES
 *** DEPENDS ON NO. OF "L" BRACKETS
 **** VARIES FROM 5.25" TO 6.75"
 ***** ALL AROUND THE PERIMETER

PROJECT # 412-0116	DATE	BY
UPDATED TO 2010 FBC	07/23/13	RJA
PER MIAMI-DADE 01-05-09	02/05/09	BB
PER MIAMI-DADE 9-25-08	12/5/08	SMC
DESCRIPTION		

CANTERA DOORS & MORE, INC.	DATE	8 OF 10
1310 RANCH ROAD 620 SOUTH, SUITE B204	07/13/08	
AUSTIN, TX 78734	DRAWING NO:	CANT0002
TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS	SCALE:	N.T.S.
HORIZONTAL SECTION AND CORNER DETAILS	REV:	C
PREPARED BY: BB	DATE:	07/13/08
DRAWN BY: BB	SCALE:	N.T.S.
DATE:	07/13/08	
DRAWING NO:	CANT0002	
SCALE:	N.T.S.	
REV:	C	
8 OF 10		

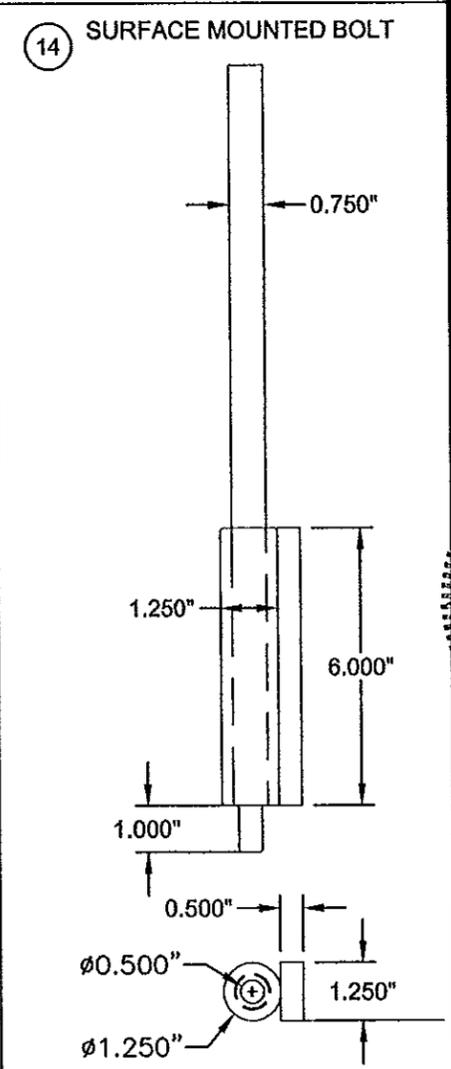
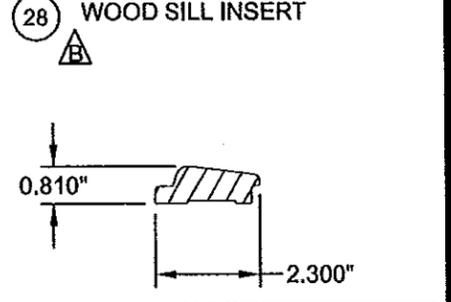
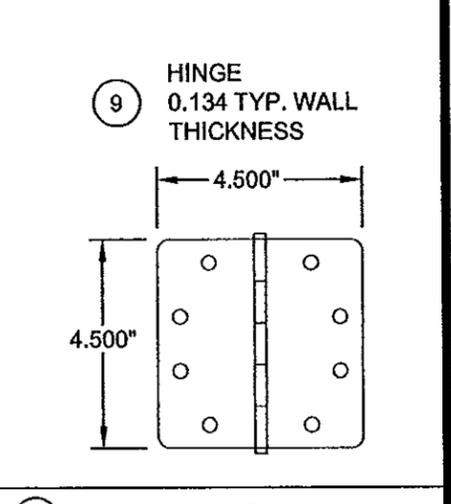
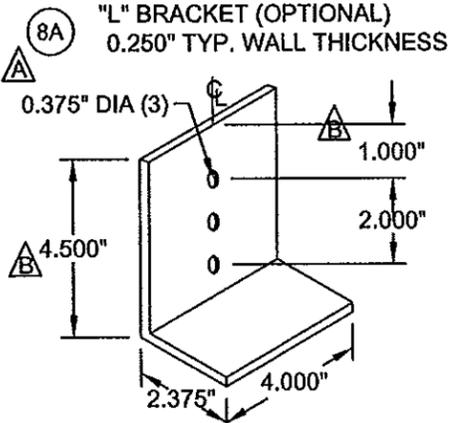
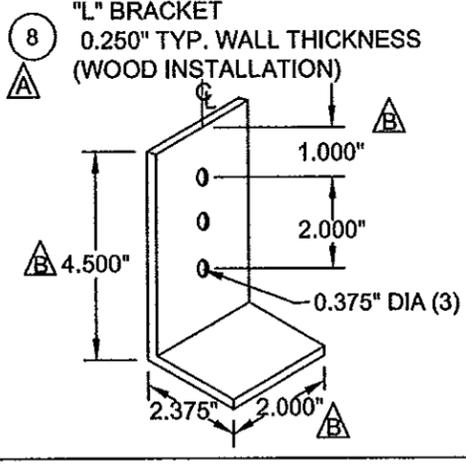
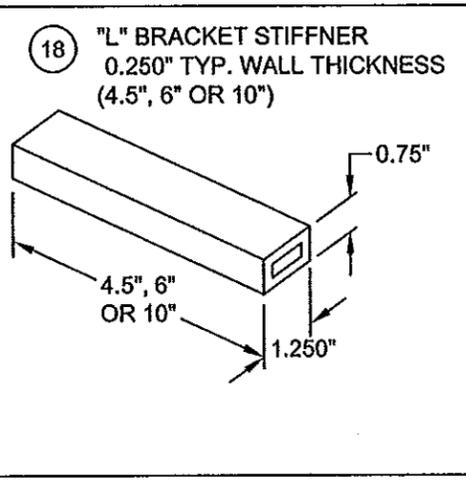
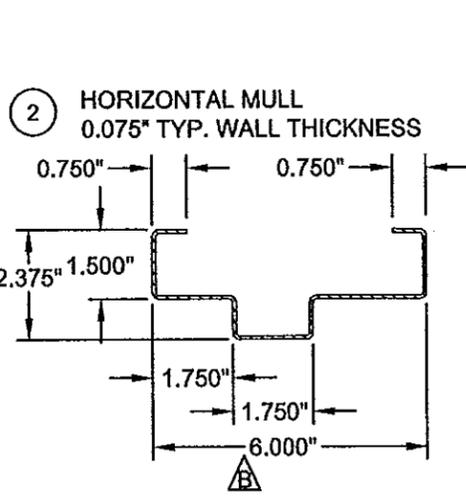
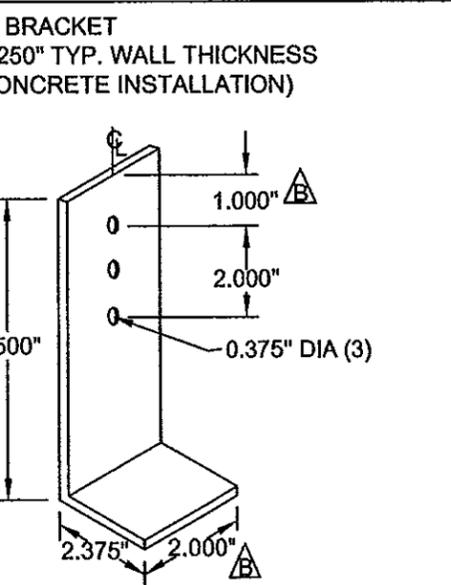
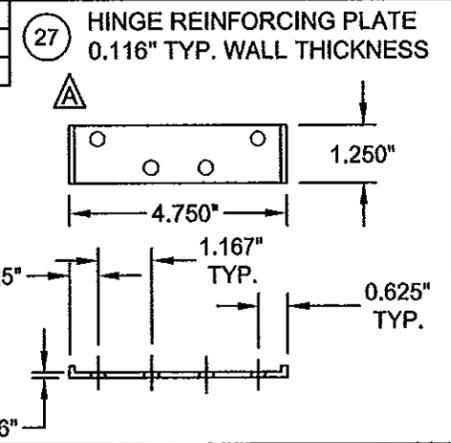
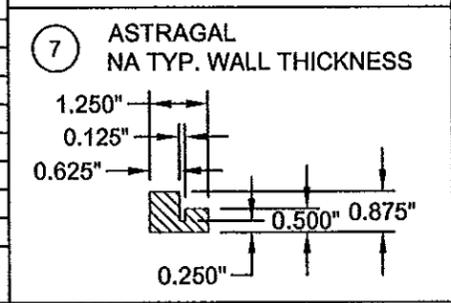
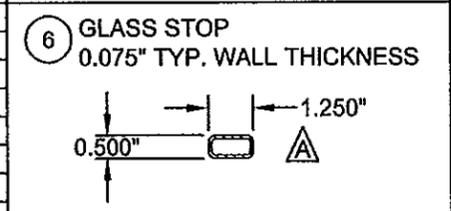
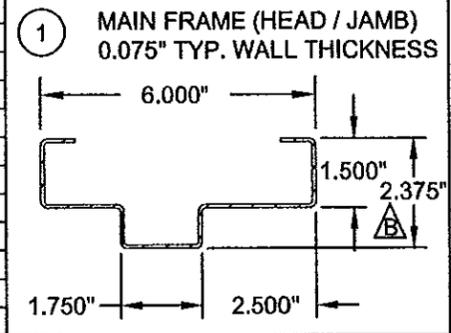
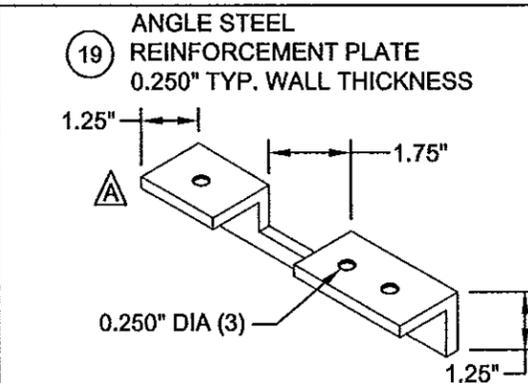
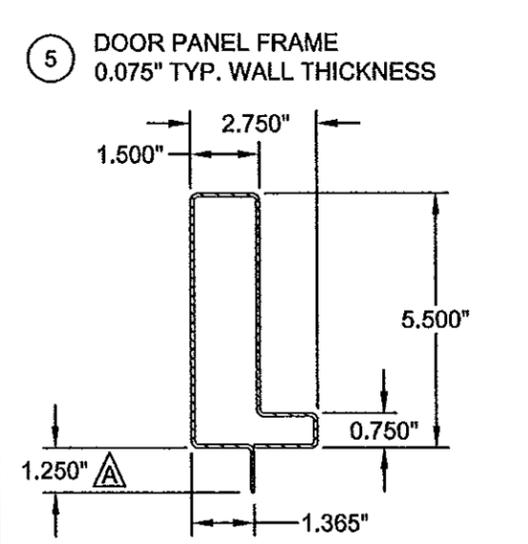
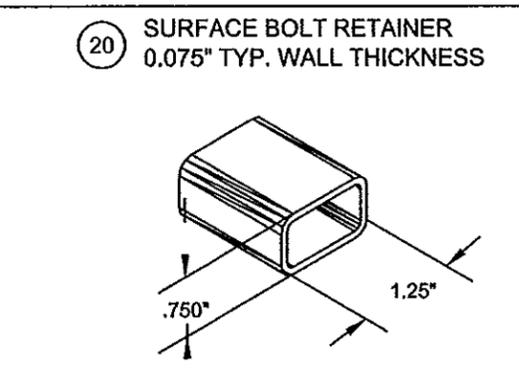
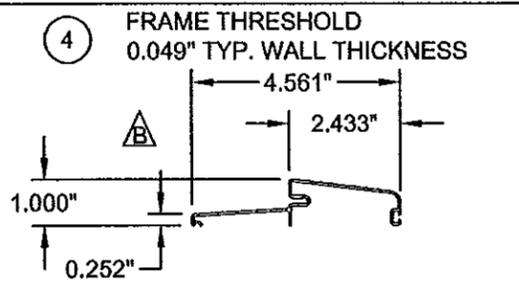
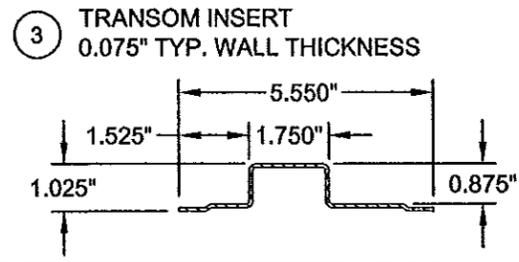
Robert J. Amoroso, P.E.
 Florida P.E. No. 49752

STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE No 49752
 7/23/13

PRODUCT RENEWED
 in compliance with the Florida
 Building Code
 Acceptance No. 13-0001
 Expiration Date 07/23/13
 by [Signature]
 Miami Dade Product Control

BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	MATERIAL	VENDOR
1	M600E	FRAME HEAD/ JAMB	STEEL (14 GA.)	CANTERA
2	M600E	HORIZONTAL MULL	STEEL (14 GA.)	CANTERA
3	T600	TRANSOM INSERT	STEEL (14 GA.)	CANTERA
4	FOBS4565	FRAME THRESHOLD	ALUMINUM 6063-T6	ENDURA
5	B550	DOOR PANEL FRAME	STEEL (14 GA.)	CANTERA
6	PV100	GLASS STOP	STEEL (14 GA.)	CANTERA
7	TJ125	ASTRAGAL	STEEL 1010 MODIFIED	CANTERA
8	AN400	"L" BRACKET (2.375" X 4" X 0.750" X 0.250")	STEEL 1010 MODIFIED	CANTERA
8 A	----	"L" BRACKET (2.375" X 4" X 4" X 0.250")	STEEL 1010 MODIFIED	CANTERA
8 B	----	"L" BRACKET (2.375" X 6" X 0.750" X 0.250")	STEEL 1010 MODIFIED	CANTERA
9	BB1279	BALL BEARING HINGE	BRASS	HAGER
10	8231	DEAD BOLT	STEEL	BALDWIN
11	8231	DOOR HANDLE	STEEL	BALDWIN
12	995	SILICONE SEALANT	SILICONE	DOW CORNING
13	V-998 1/4"	ADHESIVE GLAZING TAPE	----	NORTON
14	SB600	SURFACE MOUNTED BOLT	STEEL	CANTERA
15	QDST 675	Q-LON WEATHERSTRIPPING	FOAM PVC	SCHLEGEL
16	SGP	7/16" LAMINATED ANNEALED GLASS	GLASS	CARDINAL
17	ST750	SURFACE BOLT THIMBLE	STEEL 1010 MODIFIED	CANTERA
18	R600E	"L" BRACKET STIFFNER	STEEL 1010 MODIFIED	CANTERA
19	PL600E	ANGLED STEEL REINFORCEMENT PLATE	STEEL 1010 MODIFIED	CANTERA
20	RS600E	SURFACE BOLT RETAINER	STEEL	CANTERA
21	----	3/8" LAG SCREW	STEEL	----
22	----	1/4" TAPCON	STEEL	ITW
23	----	HINGE STILE REINFORCEMENT PLATE	STEEL 1010 MODIFIED	CANTERA
24	----	3/8" POWERS TAPPER	STEEL	POWERS
25	RTSBKSD	SURFACE BOLT KEEPER FOR SINGLE RADIUS TOP DOORS (NOT SHOWN)	STEEL	CANTERA
26	----	1/4" - 20 X .500" BOLT & NUT	STEEL	----
27	----	HINGE REINFORCING PLATE	STEEL 1010 MODIFIED	CANTERA
28	----	SILL INSERT	WOOD COMPOSITE	ENDURA



PROJECT # 412-0116

UPDATED TO	07/23/13	RJA
PER MIAMI-DADE	02/05/09	BB
PER MIAMI-DADE	01-05-09	SMC
PER MIAMI-DADE	12/5/08	BY
DESCRIPTION	DATE	REV
		A
		B
		C

CANTERA DOORS & MORE, INC.
1310 RANCH ROAD 620 SOUTH, SUITE B204
AUSTIN, TX 78734

TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS COMPONENTS AND BILL OF MATERIALS

DATE: 07/13/08
DRAWN BY: BB
SCALE: N.T.S.
DRAWING NO: CANT0002
SHEET: 9 OF 10

PREPARED BY: PTC
PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 603775
Longwood, FL 32762-0775
Phone: 321.680.1788
Fax: 321.680.1788
Email: info@ptcgroup.com

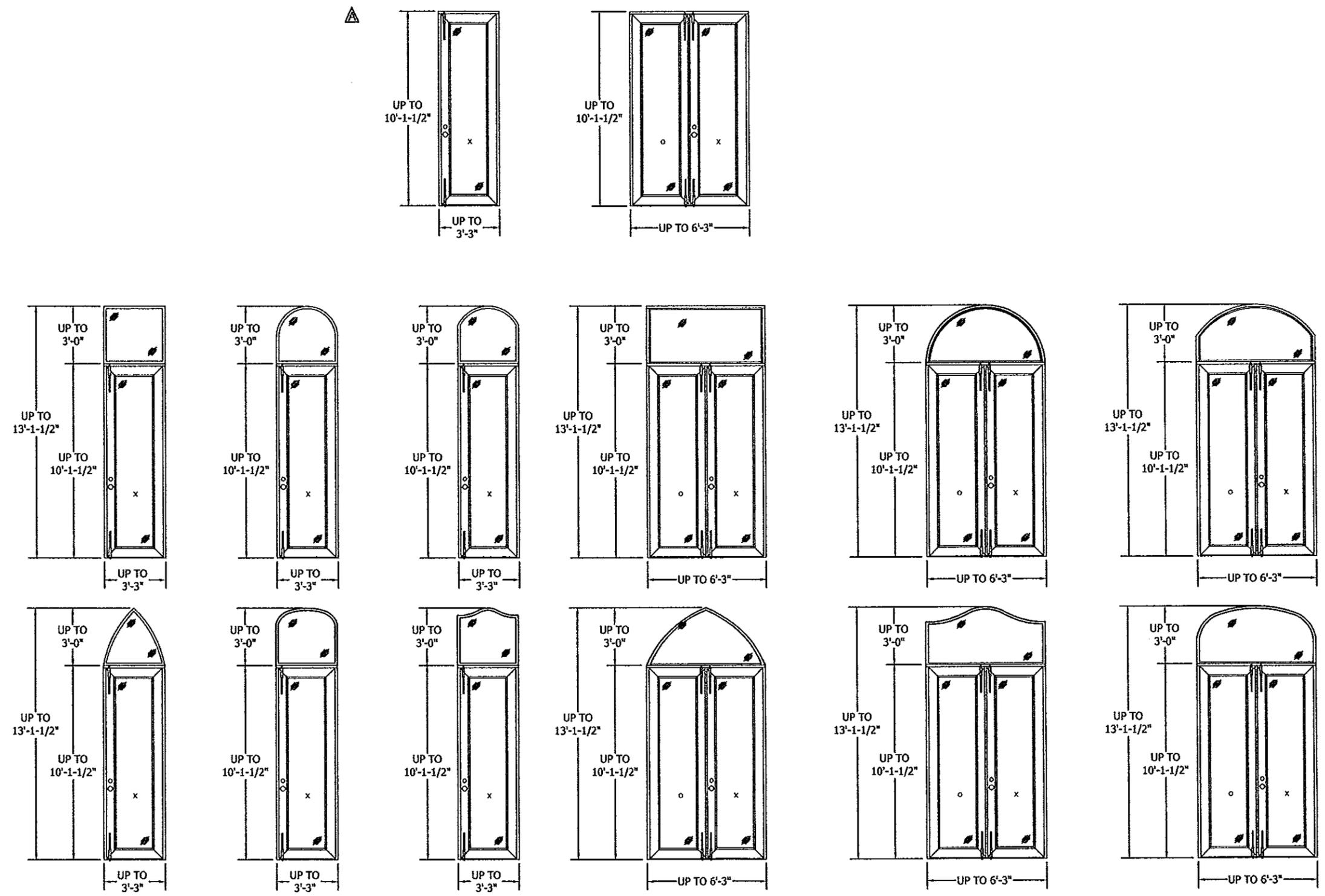
Robert J. Amoroso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMOROSO
LICENSE
No 49752
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0422-14
Expiration Date 04/16/15

By: Miami Dade Product Control

APPROVED CONFIGURATIONS



NOTE: ALL DOOR PANELS REQUIRE SURFACE BOLTS ON LOCK STILE AT HEAD AND SILL.

PROJECT # 412-0116	
UPDATED TO	07/23/13
2010 FBC	RJA
PER MIAMI-DADE	BB
01-05-09	02/05/09
PER MIAMI-DADE	SMC
9-25-08	12/5/08
DESCRIPTION	DATE
REV	BY

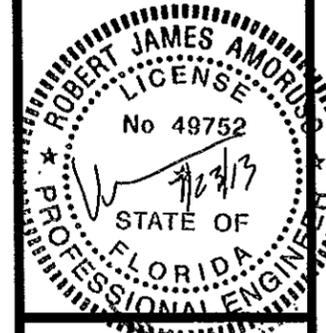
CANTERA DOORS & MORE, INC.
1310 RANCH ROAD 620 SOUTH, SUITE B204
AUSTIN, TX 78734

TITLE: STEEL OUTSWING DOORS WITH & WITHOUT TRANSOMS
APPROVED CONFIGURATIONS

PREPARED BY: BB
DRAWN BY: BB
DATE: 07/13/08
SCALE: N.T.S.
DRAWING NO: CANTD002
SHEET: 10 OF 10

PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 500776
Longwood, FL 32752-0776
Phone: 321.580.1786
Fax: 321.580.1788
Email: info@pdg-usa.com

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



PRODUCT RENEWED
complying with the Florida
Building Code
Acceptance No. 13-0422-16
Expiration Date: 06/10/2019

By: *[Signature]*
Miami Dade Product Control