

NEW ERRA DOORS CORP, dba CUSTOM DOOR AND MILLWORK

IMPACT DOUBLE GLAZED DOORS W/ TRANSOM

OUTSWING AND INSWING

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, BUILDING AND RESIDENTIAL VOLUMES EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURES STATED HEREIN.
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT(S) NO. CTLA 1850W-1 AND ASSOCIATED LABORATORY DRAWINGS.
3. 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 ENGINEER OR ARCHITECT OF RECORD.
4. 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.
5. THIS PRODUCT DOES NOT REQUIRE AN IMPACT PROTECTIVE SYSTEM THAT COMPLIES WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, BUILDING AND RESIDENTIAL VOLUMES IN THE WIND BORNE DEBRIS REGION. THE PRODUCT IS IMPACT-RESISTANT TO WIND ZONE 4, MISSILE LEVEL D.
6. DOOR FRAME AND PANEL MATERIAL: MAHOGANY.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1 & ASTM E1300-2016. SEE SHEET 6 OR 7 FOR GLAZING DETAIL.
8. DESIGNATION "X" STANDS FOR OPERABLE PANEL - SEE ELEVATION ON SHEET 2.
9. HARDWARE TESTED:

9.1 EMTEK 8450 CYLINDER LOCK WITH SINGLE CYLINDER DEAD BOLT.

9.2 STEEL SURFACE BOLTS WITH STRIKE PLATES. TWO HANDLE STYLES SHOWN FOR OUTSWING VS. INSWING. OTHER STYLES ACCEPTABLE.

PERFORMANCE RATING			
CONFIGURATION	DESIGN PRESSURE RATING	IMPACT RATING	WATER PENTRATION RATING
OUTSWING	+/-55 PSF	WIND ZONE 4 MISSILE LEVEL D	YES (Note 1)
INSWING	+/-55 PSF	WIND ZONE 4 MISSILE LEVEL D	NONE (Note 2)
WATER PENETRATION TESTING NOTES			
1) OUTSWING CONFIGURATION TESTED FOR WATER PENETRATION IN ACCORDANCE WITH ASTM E547. THEREFORE, INSTALLATION APPROVED FOR ALL LOCATIONS WHERE WATER PENETRATION RESISTANCE IS REQUIRED.			
2) INSWING CONFIGURATION NOT TESTED FOR WATER PENETRATION IN ACCORDANCE WITH ASTM E547. THEREFORE, INSTALLATION APPROVED ONLY FOR LOCATIONS WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED OR WHERE A OVERHANG MEETING THE REQUIREMENTS OF THE FBC HAVE BEEN MET. SEE BELOW FOR OVERHANG REQUIREMENTS.			
In accordance with 8th Edition (2023) Florida Building Code Section 1709.5.2, Exception 1 & 2 & 8th Edition (2023) Florida Residential Code Section R609.3, Exception 1 & 2. Door assemblies may be installed where the overhang (OH) ratio is equal to or more than 1 need not be tested for water infiltration. The overhang ratio shall be calculated by the following equation: OH ratio = OH Length/OH Height where: OH Length = The horizontal measure of how far an overhang over a door projects out from the door's surface. OH Height = The vertical measure of the distance from the door's sill to the bottom of the overhang over a door.			

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE INSTALLATION ANCHOR SPACING DEPICTED DICTATES 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 SHALL BE 7/8 INCH TO EDGE OF SUPPORTING WOOD SUBSTRATE.
5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 3/16 INCH ITW TAPCONS (ADVANCED THREADFORM TYPE) OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO CONCRETE AND 1 INCH MINIMUM EMBEDMENT INTO MASONRY (CMU). MINIMUM EDGE DISTANCES SHALL BE 1-1/8 INCH IN CONCRETE AND 2 INCHES INTO MASONRY (CMU).
6. ALTERNATE CONCRETE / MASONRY / WOOD INSTALLATION ANCHORS OF EQUIVALENT PERFORMANCE CHARACTERISTICS CAN BE USED UPON APPROVAL BY THE ARCHITECT OR ENGINEER OF RECORD.
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 DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
9. FOR HOLLOW BLOCK AND GROUT FILLED 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.
10. 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 AND/OR AS REQUIRED BELOW IN NOTE 11.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

11.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.

11.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 psi

11.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT WITH DENSITY > 117 PCF.

DRAWING SHEET INDEX	
SHEET	DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	ELEVATION AND ANCHOR LAYOUT
3	ADDITIONAL APPROVED CONFIGURATIONS
4	OUTSWING INSTALLATION - VERTICAL SECTIONS
5	INSWING INSTALLATION - VERTICAL SECTIONS
6	OUTSWING INSTALLATION - HORIZONTAL SECTIONS - GLAZING DETAIL
7	INSWING INSTALLATION - HORIZONTAL SECTIONS - GLAZING DETAIL

PROJECT #422-0604

UPDATE TO 8TH EDITION (2023) FBC

UPDATE TO 7TH EDITION (2020) FBC

DESCRIPTION

E

D

REV

DATE

BY

RJA

6/12/23

01/24/21

RJA

NEW ERRA DOORS CORP, dba CUSTOM DOOR & MILLWORK

2787 N. AIRPORT RD., UNIT NO. 410
FORT MYERS, FLORIDA 33907

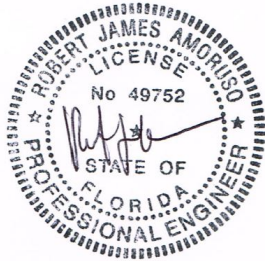
TITLE: IMPACT DOUBLE GLAZED DOORS W/TRANSOM; O/S & I/S
GENERAL AND INSTALLATION NOTES

PREPARED BY: BB
DATE: 09/25/08
SCALE: N.T.S.
DRAWING NO: CDM0003
SHEET: 1 OF 7
REV: E

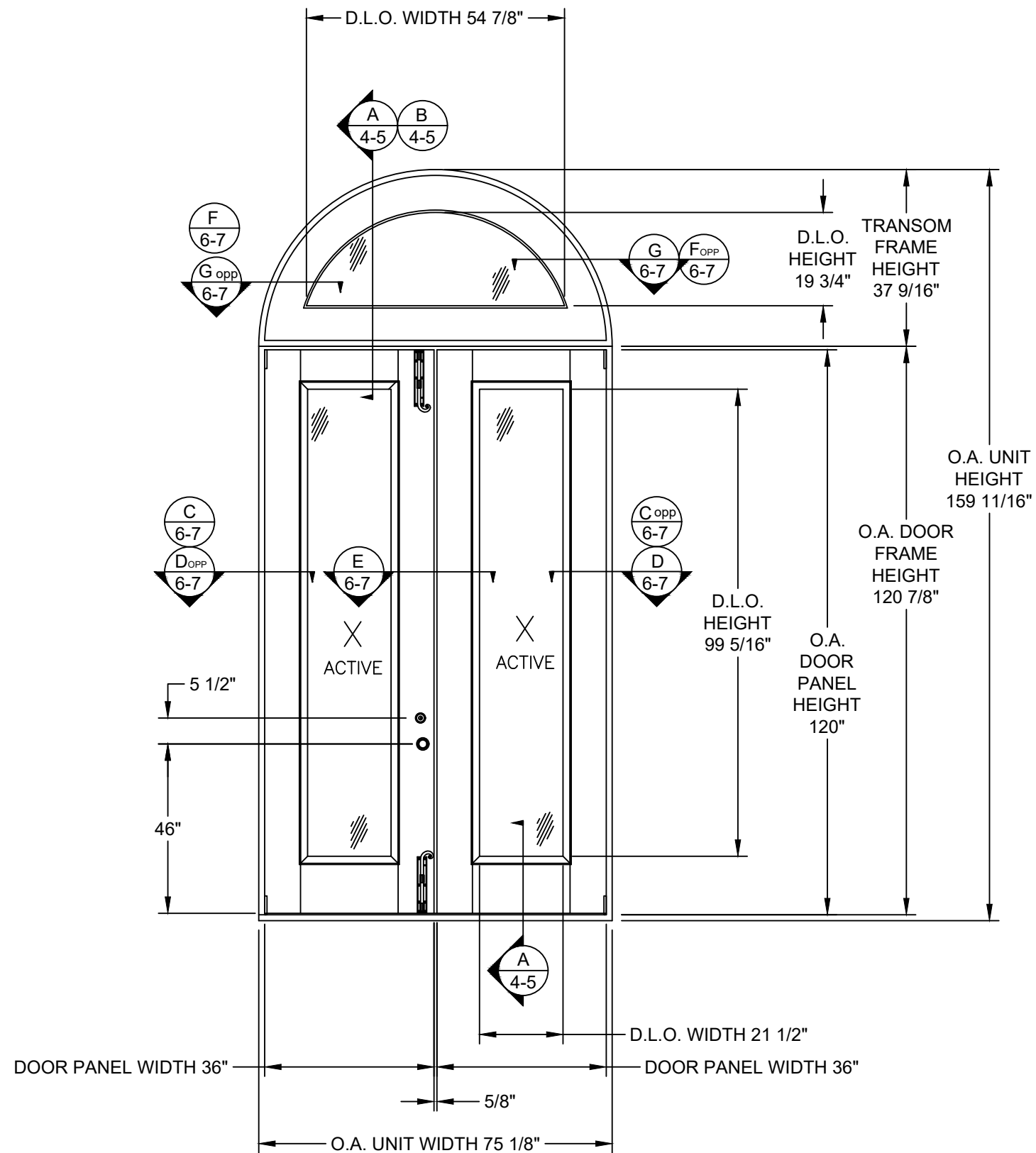


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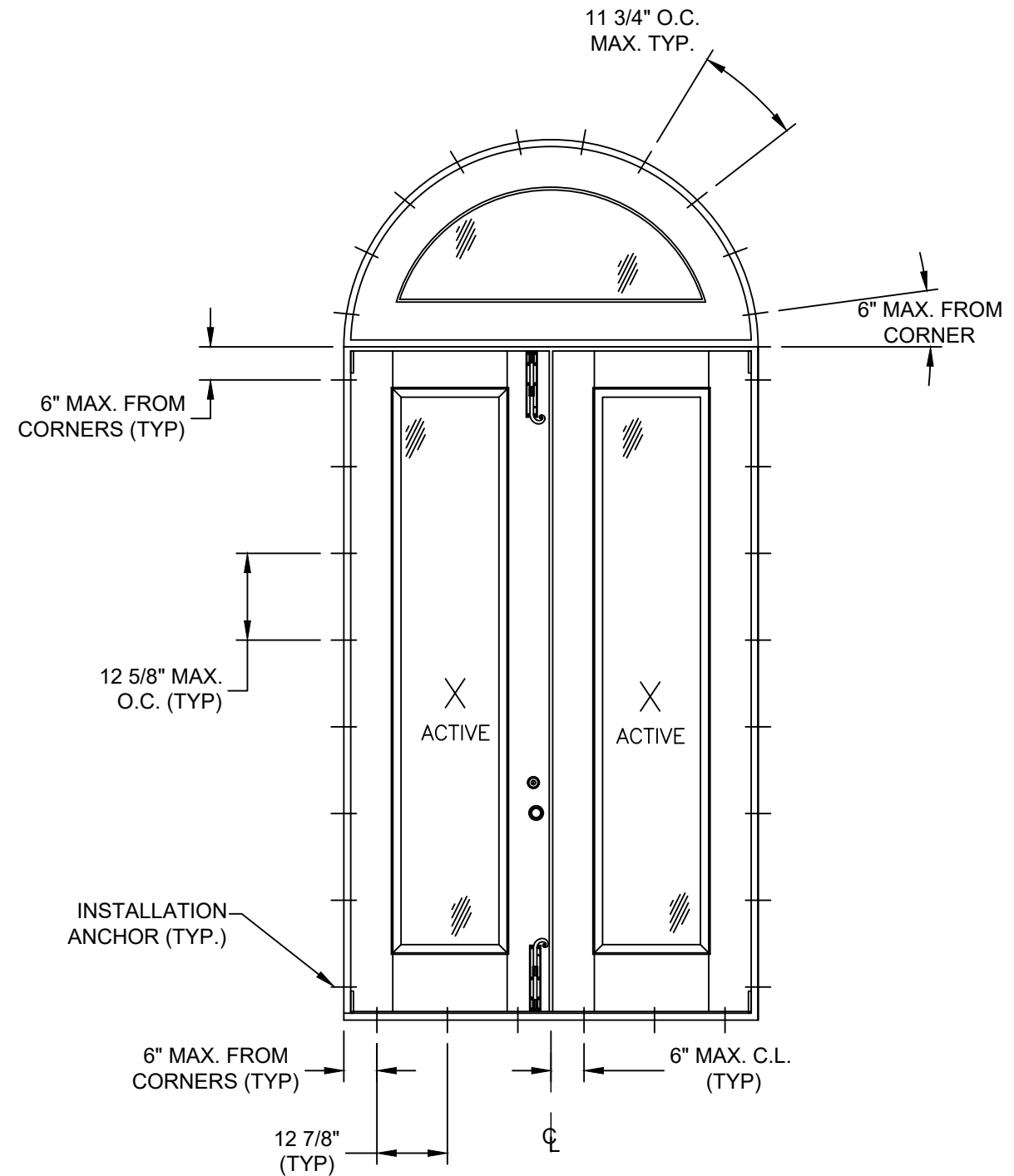


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ELEVATION
DOUBLE DOOR W/ TRANSOM
INTERIOR VIEW

OUTSWING ELEVATION SHOWN
INSWING SIMILAR

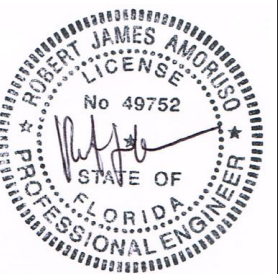


ANCHOR LAYOUT
DOUBLE DOOR W/ TRANSOM
INTERIOR VIEW

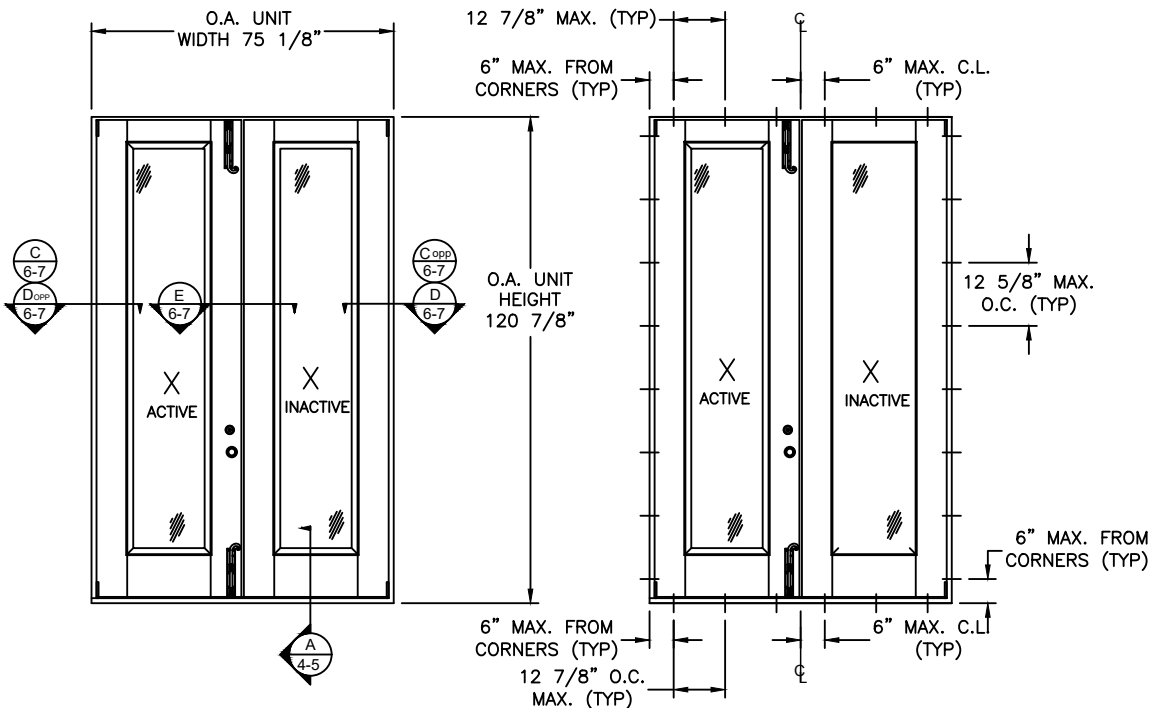
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	UPDATE TO 7TH EDITION (2020) FBC	01/24/21	IRJA	
REV	DESCRIPTION	DATE	BY	

NEW ERRA DOORS CORP, dba CUSTOM DOOR & MILLWORK 2787 N. AIRPORT RD., UNIT NO. 410 FORT MYERS, FLORIDA 33907		DATE: 09/25/08		SHEET: 2 OF 7	
TITLE: IMPACT DOUBLE GLAZED DOORS W/TRANSOM, O/S & I/S ELEVATION AND ANCHOR LAYOUT		DRAWING NO: CDM0003		REV: E	
PREPARED BY: BB		SCALE: N.T.S.		REV: E	
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@pte-corp.com		DATE: 09/25/08		SHEET: 2 OF 7	

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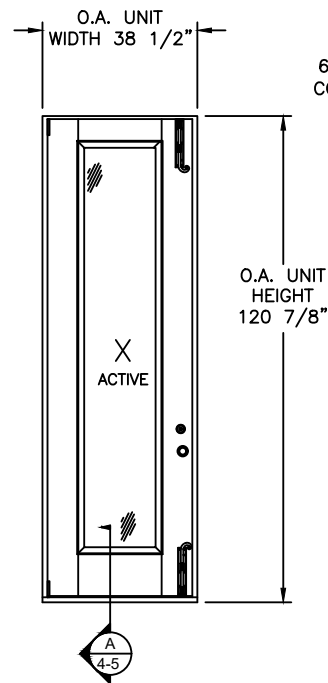


ELEVATION

DOUBLE DOORS W/ O TRANSOM
INTERIOR VIEW

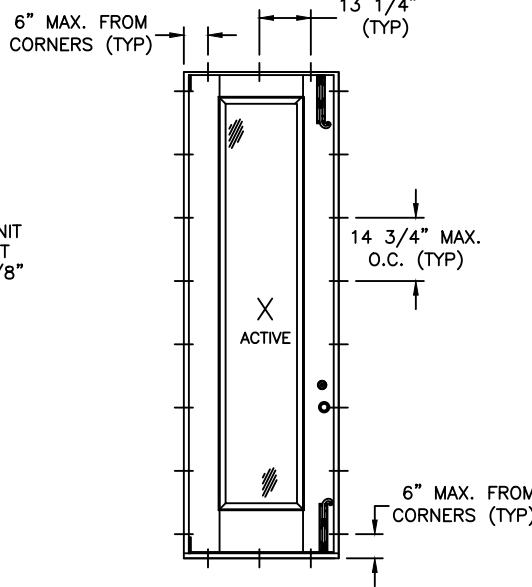
ANCHOR LAYOUT

DOUBLE DOORS W/ O TRANSOM
INTERIOR VIEW



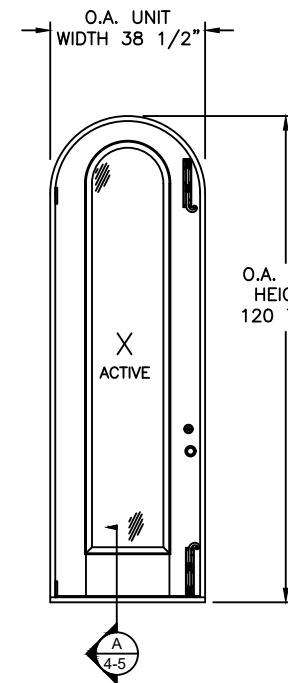
ELEVATION

SINGLE DOOR W/ O TRANSOM
INTERIOR VIEW



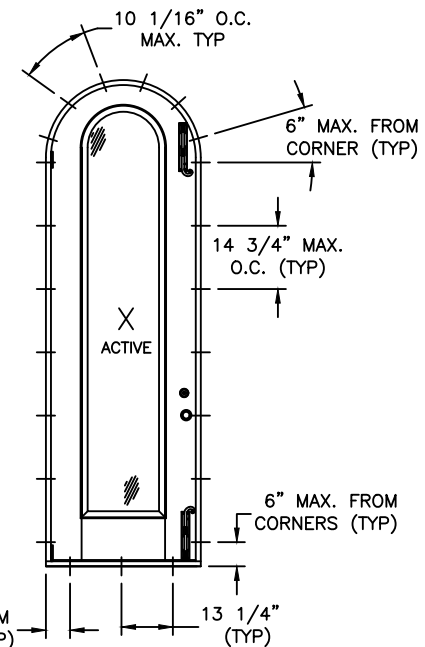
ANCHOR LAYOUT

SINGLE DOOR W/ O TRANSOM
INTERIOR VIEW



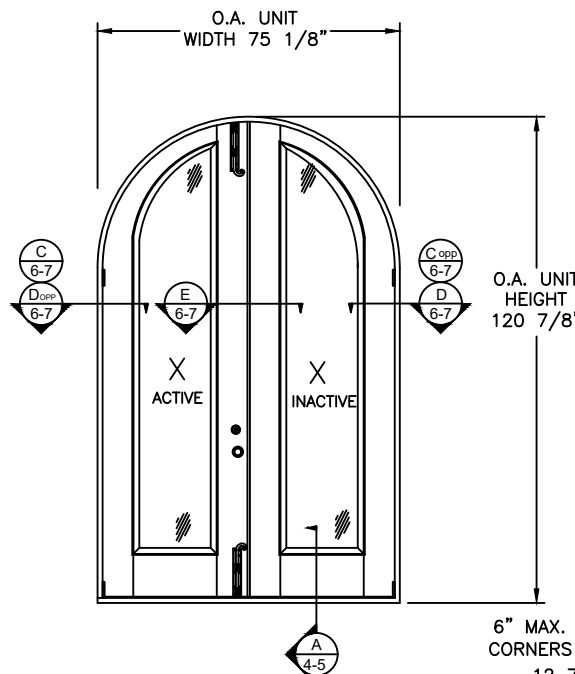
ELEVATION

SINGLE ARCH TOP DOOR W/ O TRANSOM
INTERIOR VIEW



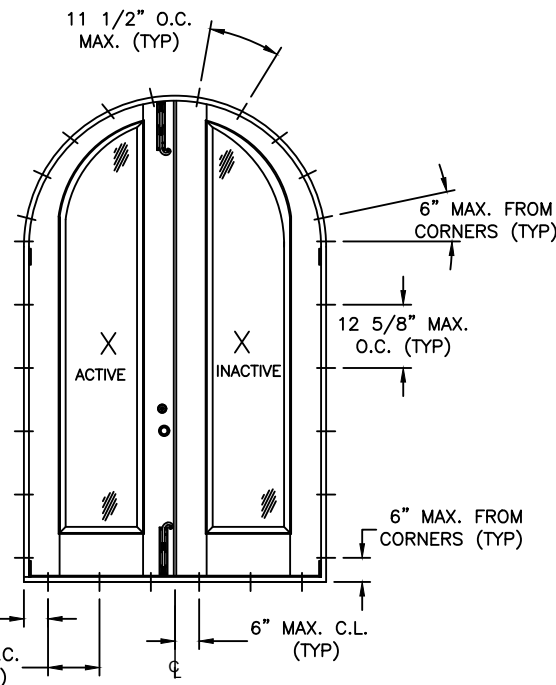
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SINGLE ARCH TOP DOOR W/ O TRANSOM
INTERIOR VIEW



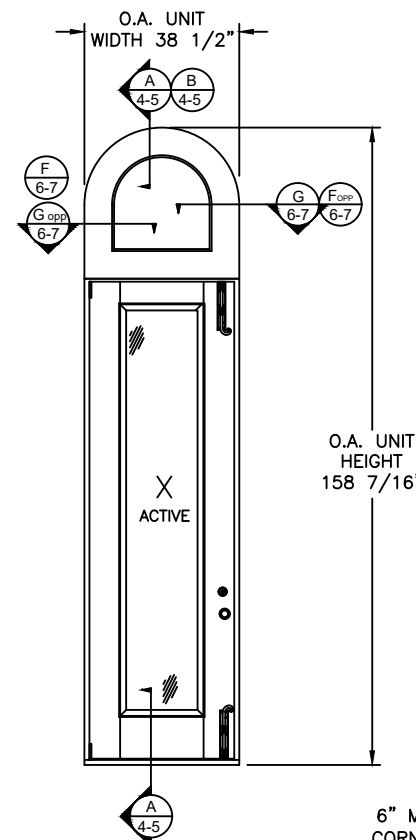
ELEVATION

DOUBLE ARCH TOP DOORS W/ OUT TRANSOM
INTERIOR VIEW



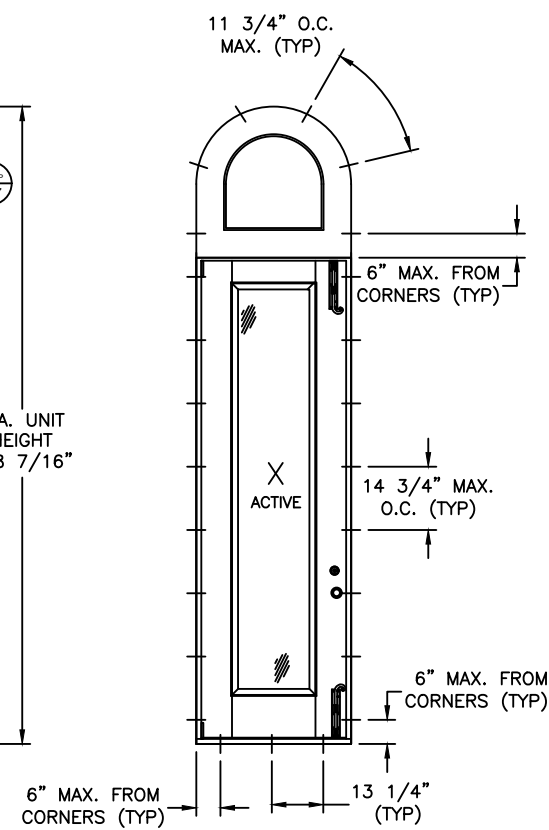
ANCHOR LAYOUT

DOUBLE ARCH TOP DOORS W/ OUT TRANSOM
INTERIOR VIEW



ELEVATION

SINGLE DOOR W/ TRANSOM
INTERIOR VIEW



ANCHOR LAYOUT

SINGLE DOORS W/ TRANSOM
INTERIOR VIEW

PROJECT #422-0604

NEW ERRA DOORS CORP, dba CUSTOM DOOR & MILLWORK

2787 N. AIRPORT RD., UNIT NO. 410

FORT MYERS, FLORIDA 33907

TITLE: IMPACT DOUBLE GLAZED DOORS W/TRANSOM, O/S & I/S

ADDITIONAL APPROVED CONFIGURATIONS

PREPARED BY: BB

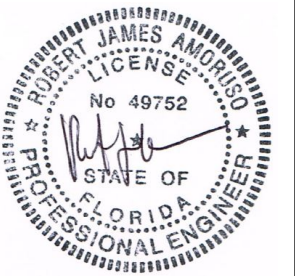
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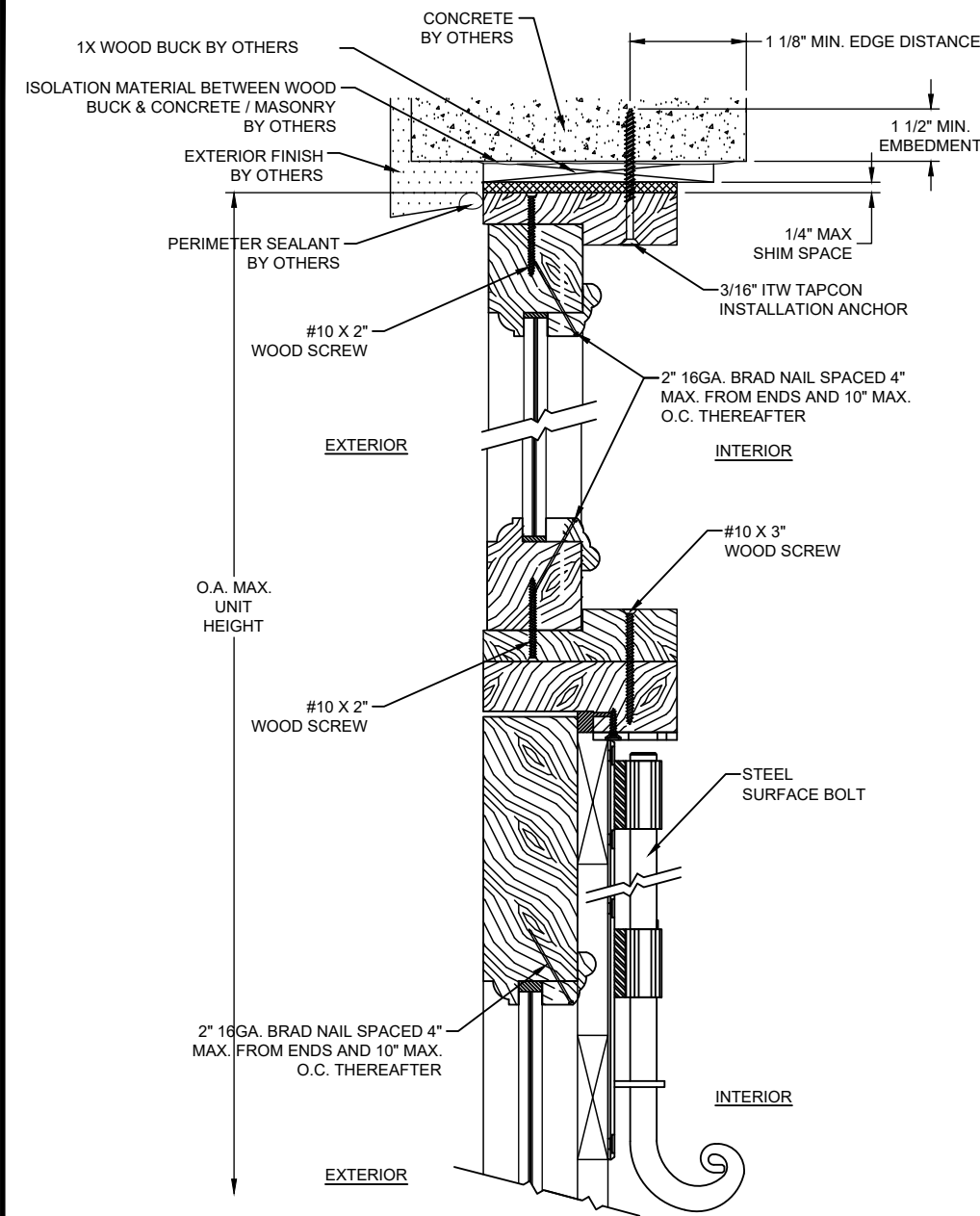
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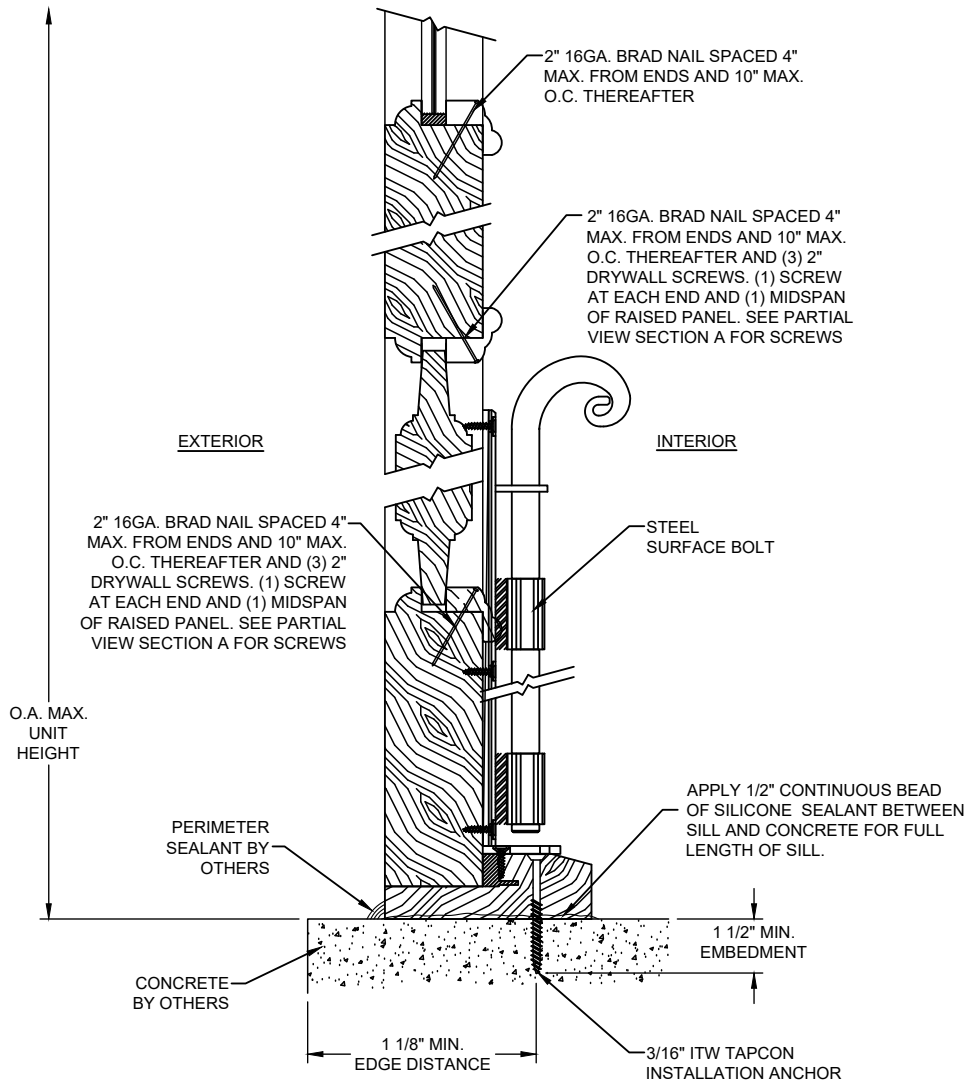


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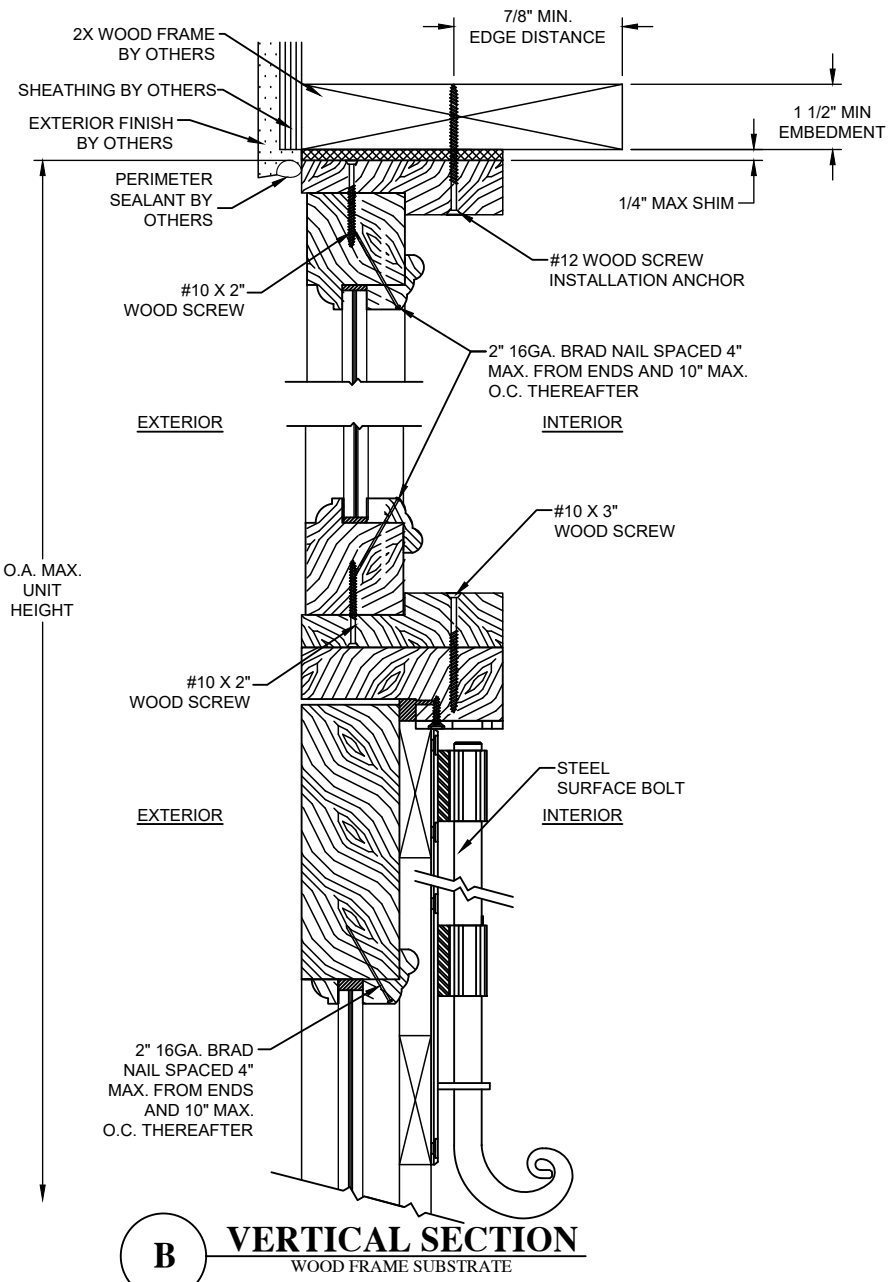
OUTSWING INSTALLATION
VERTICAL SECTION VIEWS



A VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE



A VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE

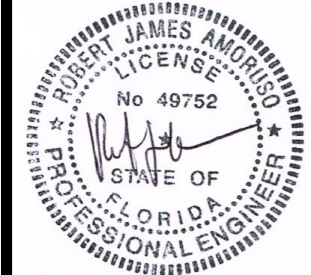


B VERTICAL SECTION
WOOD FRAME SUBSTRATE

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	6/12/23		DATE
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UPDATE TO 7TH EDITION (2020) FBC			
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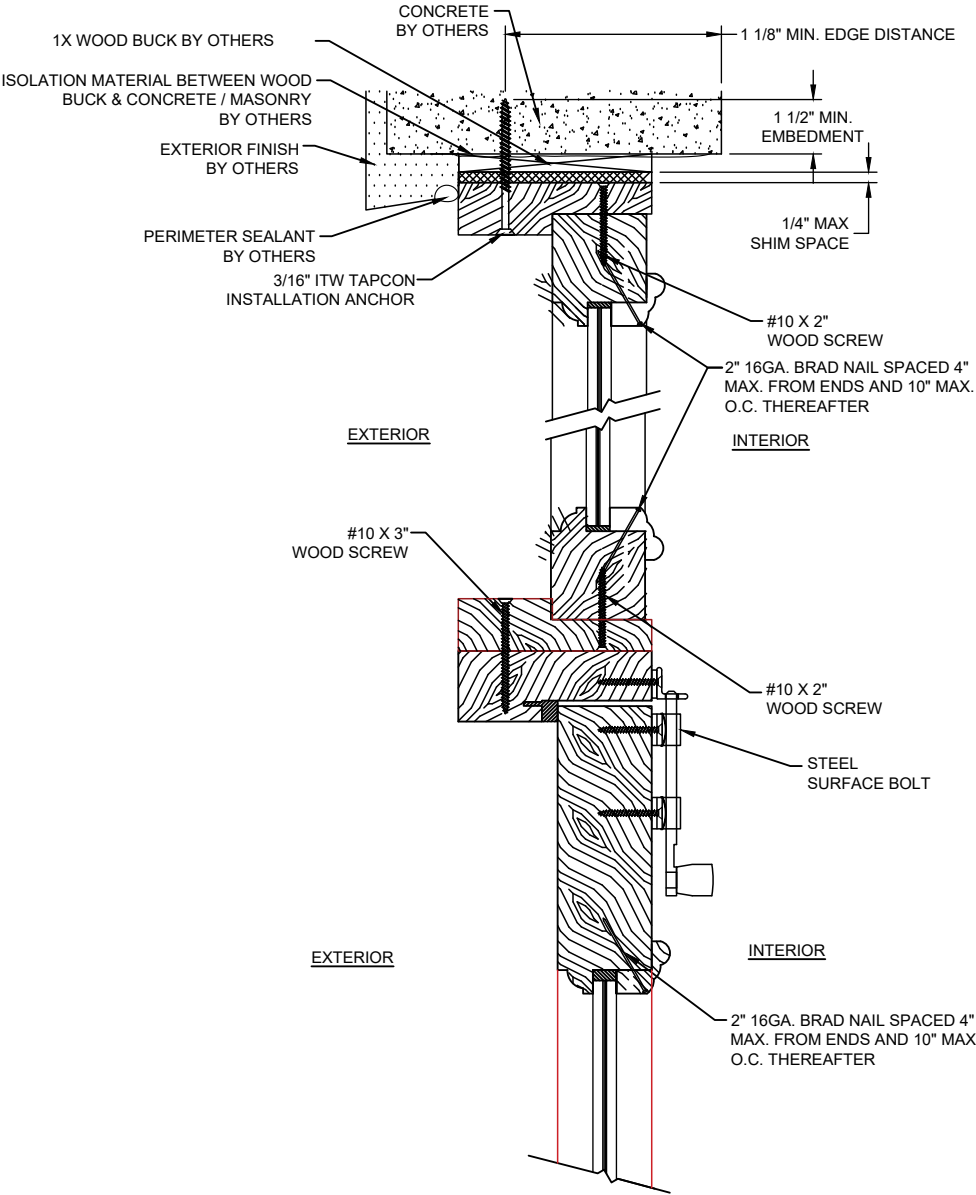
NEW ERRA DOORS CORP, dba CUSTOM DOOR & MILLWORK			
2787 N. AIRPORT RD., UNIT NO. 410			
FORT MYERS, FLORIDA 33907			
TITLE: IMPACT DOUBLE GLAZED DOORS W/TRANSOM, O/S & I/S			
OUTSWING INSTALLATION - VERTICAL SECTIONS			
PREPARED BY:	DRAWN BY:	DATE:	
	BB	09/25/08	
SCALE:	N.T.S.	DRAWING NO:	
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REV:	E	SHEET:	4 OF 7
PTC PRODUCT DESIGN GROUP, LLC			
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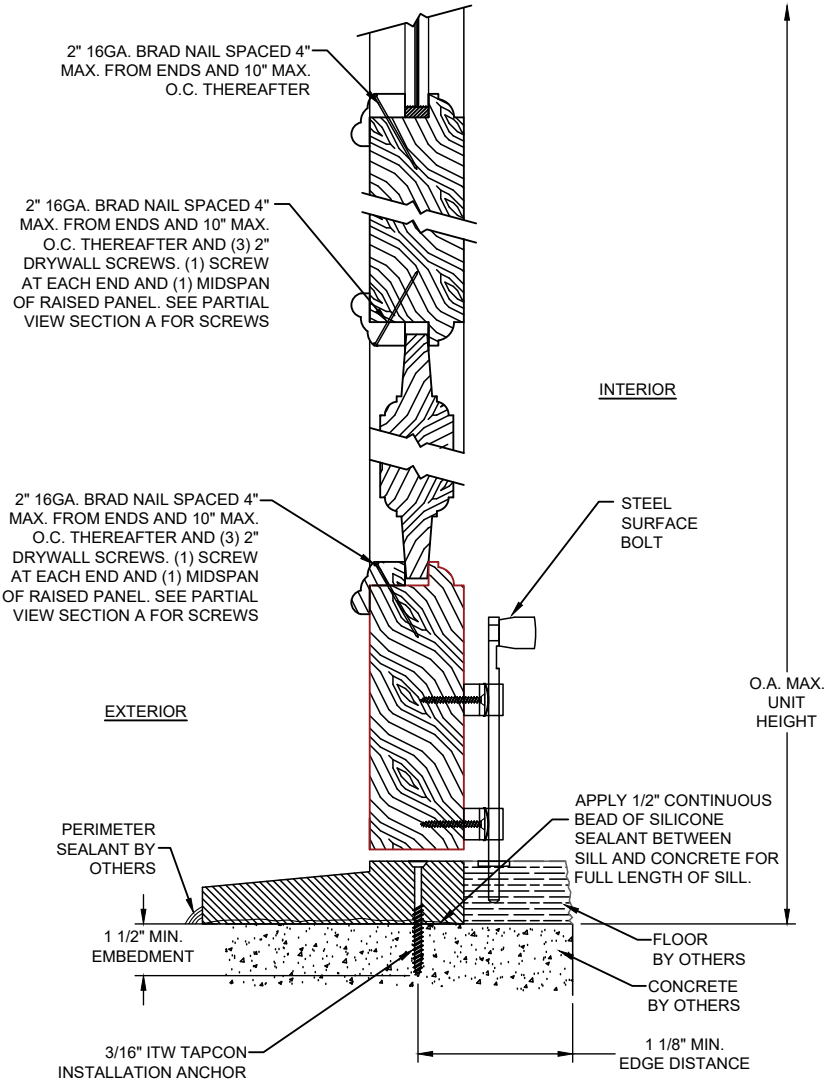


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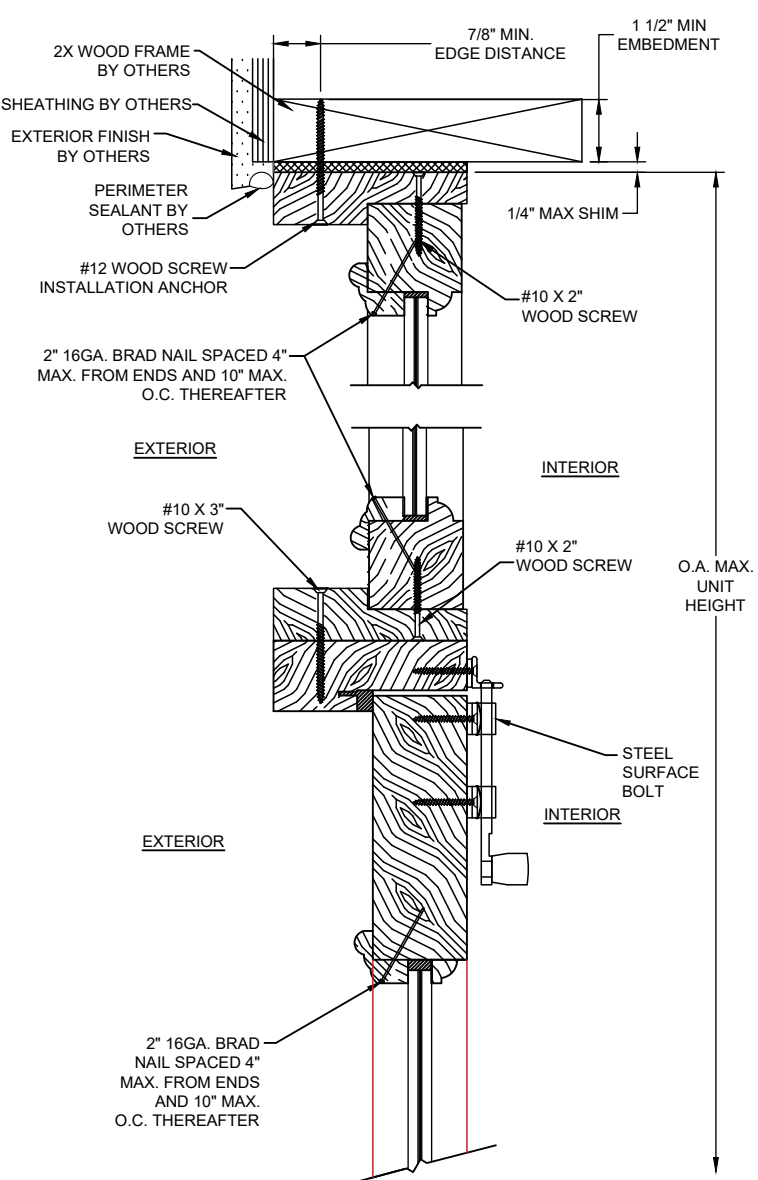
INSWING INSTALLATION
VERTICAL SECTION VIEWS



A VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE



A VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE



B VERTICAL SECTION
WOOD FRAME SUBSTRATE

PROJECT #422-0604

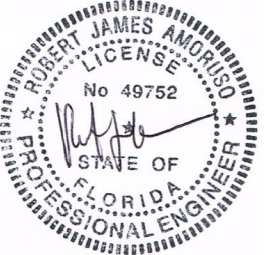
NEW ERRA DOORS CORP, dba CUSTOM DOOR & MILLWORK
2787 N. AIRPORT RD., UNIT NO. 410
FORT MYERS, FLORIDA 33907

TITLE: IMPACT DOUBLE GLAZED DOORS W/TRANSOM, O/S & I/S
INSWING INSTALLATION - VERTICAL SECTIONS

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DATE: 09/25/08
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SHEET: 5 OF 7
DRAWING NO: CDM0003

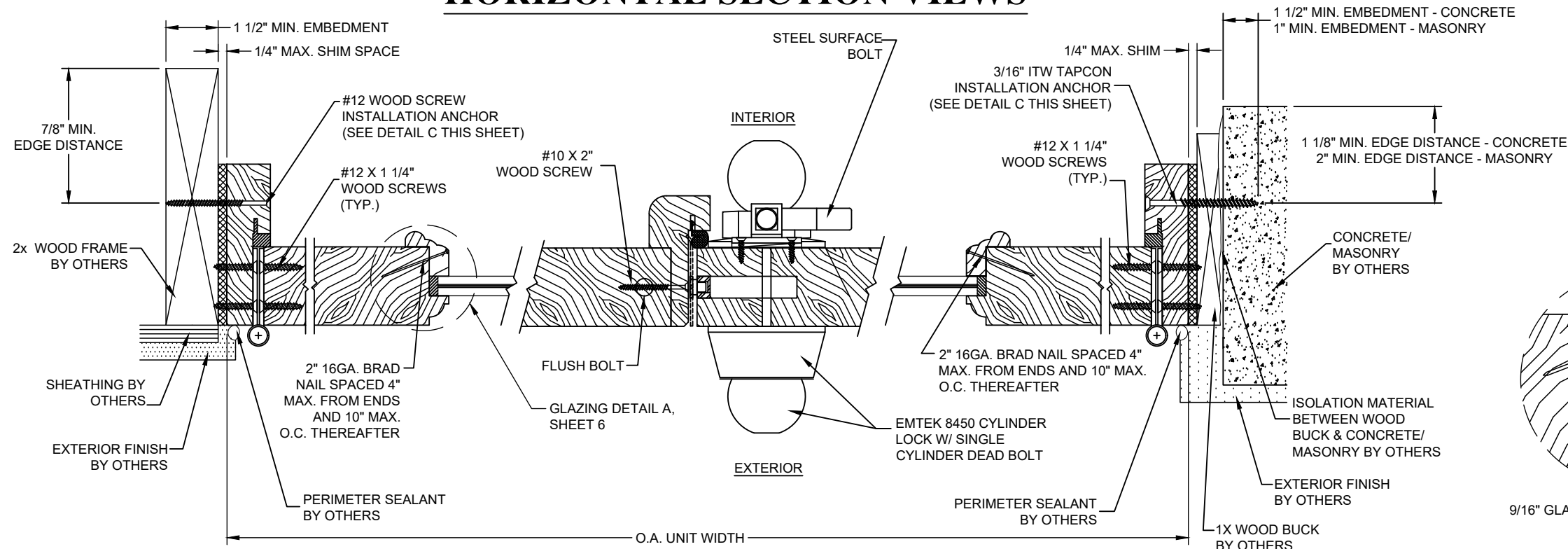
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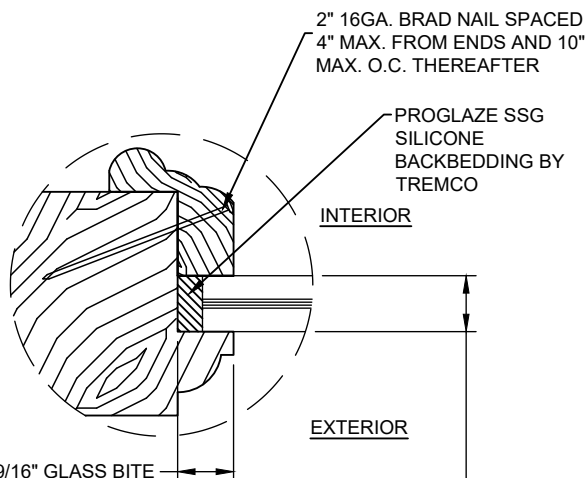
OUTSWING INSTALLATION
HORIZONTAL SECTION VIEWS



C HORIZONTAL SECTION
WOOD FRAME SUBSTRATE

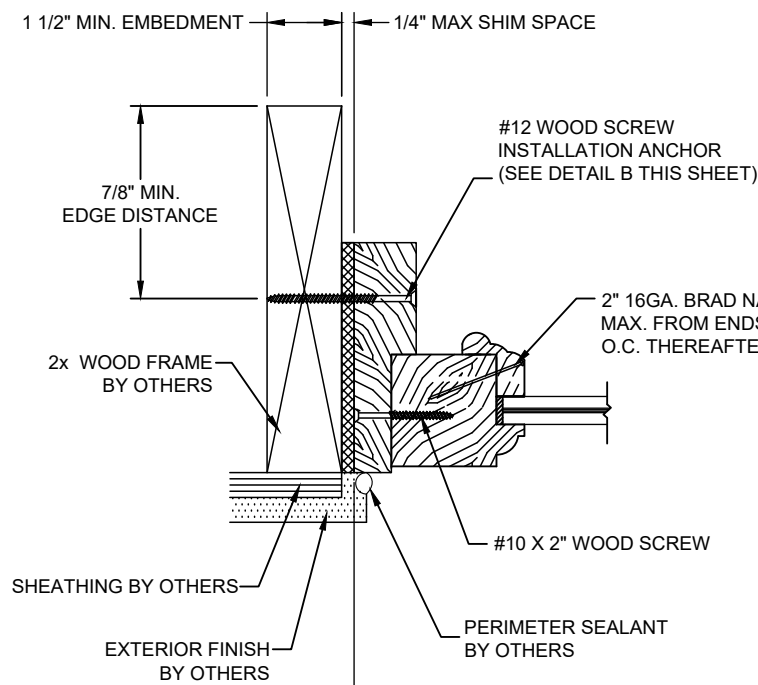
E HORIZONTAL SECTION
ASTRAGAL

D HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE

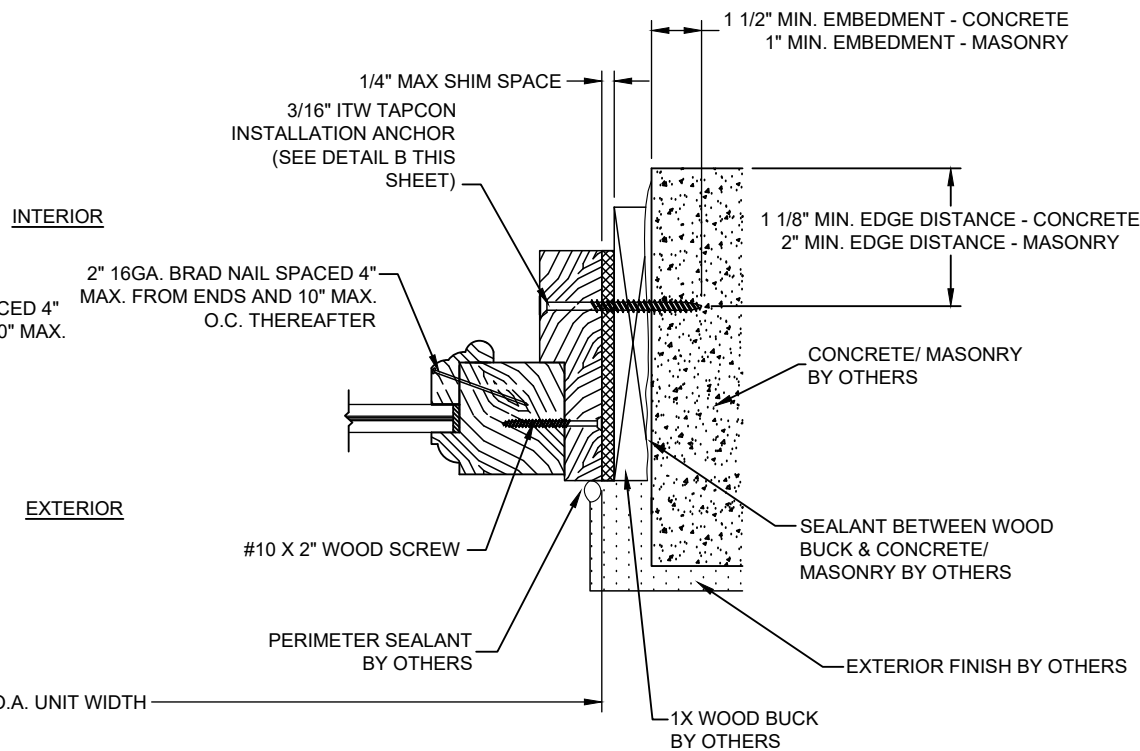


9/16" O.A. LAMINATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS, 0.100" PVB
LAMINATE BY UVEKOL, 1/4" HEAT STRENGTHENED GLASS

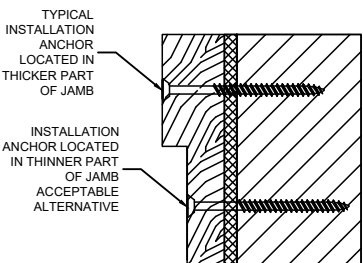
GLAZING DETAIL A



F HORIZONTAL SECTION
WOOD FRAME SUBSTRATE

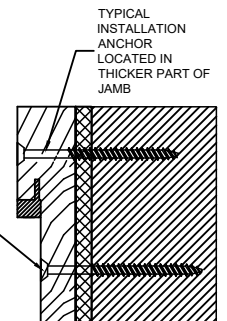


G HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE



DETAIL B
INSTALLATION ANCHOR
LOCATION ALTERNATIVES

NOTE: ONLY ONE
INSTALLATION ANCHOR
REQUIRED, EITHER IN
THICKER OR THINNER
PART OF JAMB; NOT
BOTH.



DETAIL C
INSTALLATION ANCHOR
LOCATION ALTERNATIVES

PROJECT #422-0604

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2787 N. AIRPORT RD., UNIT NO. 410
FORT MYERS, FLORIDA 33907

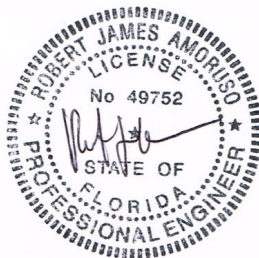
TITLE: IMPACT DOUBLE GLAZED DOORS W/TRANSOM, OIS & I/S
OUTSWING INSTALLATION - HORIZONTAL SECTIONS / GLAZING DETAIL

PREPARED BY: BB DATE: 09/25/08

SCALE: N.T.S. DRAWING NO: CDM0003

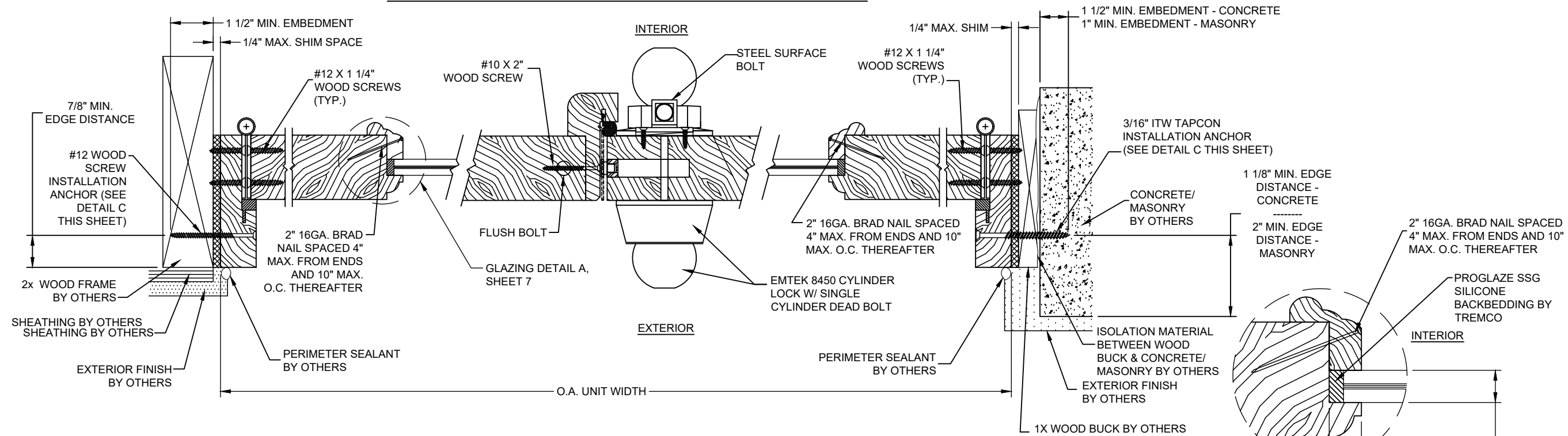
REV: E SHEET: 6 OF 7

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INSWING INSTALLATION HORIZONTAL SECTION VIEWS

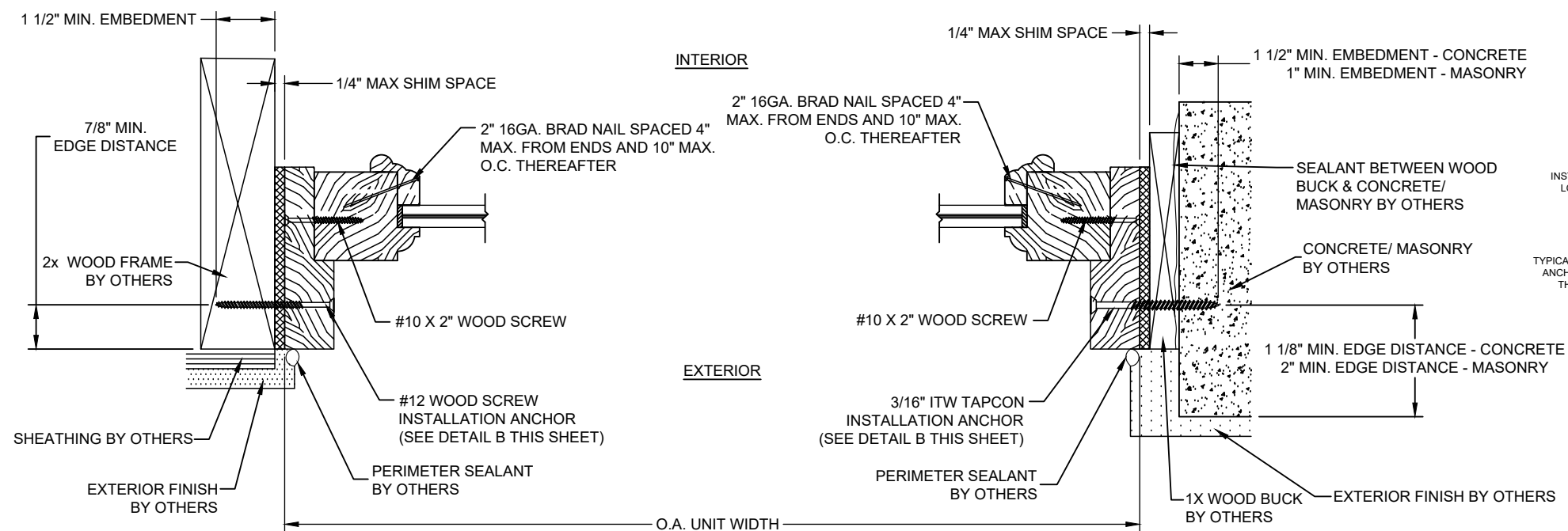


C HORIZONTAL SECTION

E HORIZONTAL SECTION

D HORIZONTAL SECTION

CONCRETE / MASONRY SUBSTRATE



F HORIZONTAL SECTION

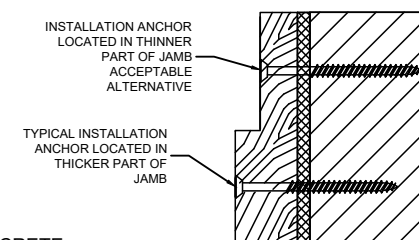
WOOD FRAME SUBSTRATE

G HORIZONTAL SECTION

CONCRETE / MASONRY SUBSTRATE

9/16" O.A. LAMINATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS, 0.100" PVB
LAMINATE BY UVEKOL, 1/4" HEAT STRENGTHENED GLASS

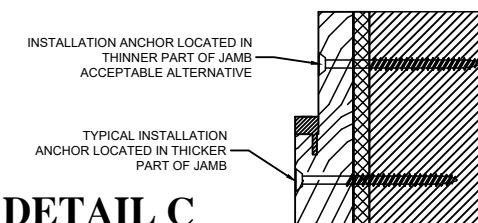
GLAZING DETAIL A



**NOTE: ONLY ONE
INSTALLATION ANCHOR
REQUIRED, EITHER IN
THICKER OR THINNER
PART OF JAMB; NOT
BOTH.**

DETAIL B

INSTALLATION ANCHOR LOCATION ALTERNATIVES



DETAIL C

INSTALLATION ANCHOR LOCATION ALTERNATIVES

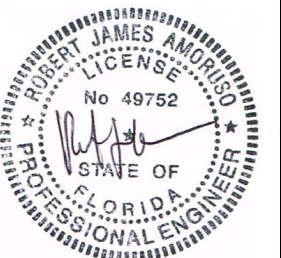
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2787 N. AIRPORT RD., UNIT NO. 410
FORT MYERS, FLORIDA 33907

PROJECT: IMPACT DOUBLE GLAZED DOORS W/TRANSOM, O/S & I/S
 DRAWING INSTALLATION - HORIZONTAL SECTIONS / GLAZING DETAIL
 PREPARED BY: _____ DRAWN BY: _____ DATE: _____

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	SCALE: N.T.S.	DRAWING NO: CDM0003
	REV: E	SHEET: 7 OF 7

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