

REAL WOODS LLC

2 1/4" IMPACT OUTSWING GLAZED & OPAQUE

DOUBLE DOOR WITH & W/O SIDELITES

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURES STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # NCTL 210-3581-1, DATED 02/11/09 AND ASSOCIATED LABORATORY DRAWINGS.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
4. THIS PRODUCT IS NOT REQUIRED TO USE AN IMPACT PROTECTIVE SYSTEM THAT COMPLIES WITH THE FLORIDA BUILDING CODE IN THE WIND BORNE REGION OR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
5. DOOR FRAME AND PANE MATERIAL: WOOD.
5.1 MINIMUM SPECIFIC GRAVITY OF 0.44.
5.2 WOOD SHALL BE PROTECTED IN COMPLIANCE WITH CURRENT EDITION OF THE FBC.
6. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1.

6.1 GLAZING INTERLAYER: 0.090" SENTRYGLAS BY KURARAY AMERICA PER CURRENTLY APPROVED MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).
7. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL
8. WHEN UTILIZING MULLION CLIP NO. 2, THE SIDELITE AND TRANSOM CAN BE FACTORY ASSEMBLED.
9. SETTING BLOCKS (IF USED) MATERIAL SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER

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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHORIS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED ARE 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 SUBSTRATES.
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 #10 WOOD SCREWS, EXCEPT FOR MULLION CLIPS, WITH SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 3/4 INCHES. USE #12 WOOD SCREWS FOR MULLION CLIPS W/ MINIMUM 1-1/2" EMBEDMENT & MINIMUM OF 7/8" EDGE DISTANCE.
5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 1/4 INCH ITW TAPCONS (ADVANCED THREADFORM), EXCEPT MULLION CLIPS, WITH SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT (1 INCH MIN. EMBEDMENT IN MASONRY). MINIMUM EDGE DISTANCE IS 2-1/2 INCHES. MINIMUM ANCHOR SEPARATION IS 4 INCHES. USE 1/4" POWERS TAPPERS FOR MULLION CLIPS W/ 2-1/2" MINIMUM EDGE DISTANCE AND 1-11/16" MINIMUM O.C. DISTANCE & 1-1/2" MINIMUM EMBEDMENT AT SILL WITH 1 3/8" MINIMUM EMBEDMENT AT HEAD AND JAMBS.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).
7. 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.
8. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - PRESSURE TREATED (PT) SOUTHERN YELLOW PINE. MINIMUM SPECIFIC GRAVITY OF 0.55.
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 psi
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT.
9. 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.
10. HINGES: 4" X 4"
HARDWARE: BALDWIN 6000 SERIES MORTISE LOCK
EMTEK 3300 SERIES MORTISE LOCK
EMTEK 4500 CYLINDRICAL PASS LOCK
W/ EMTEK 8400 SERIES DEAD BOLT
GU EUROPA R2 SERIES MULTI-POINT LOCK
FLUSH BOLT: DELTANA 18EFB OR
IVES 458 EXTENSION FLUSH BOLT

DESIGN PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	LARGE MISSILE IMPACT
±55.0	±55.0	

PROJECT #419-0909

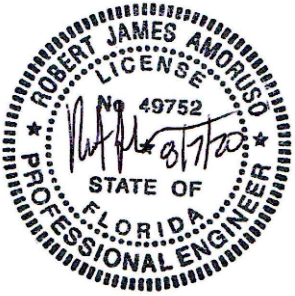
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1230 N. East Ave
Sarasota, FL 34237

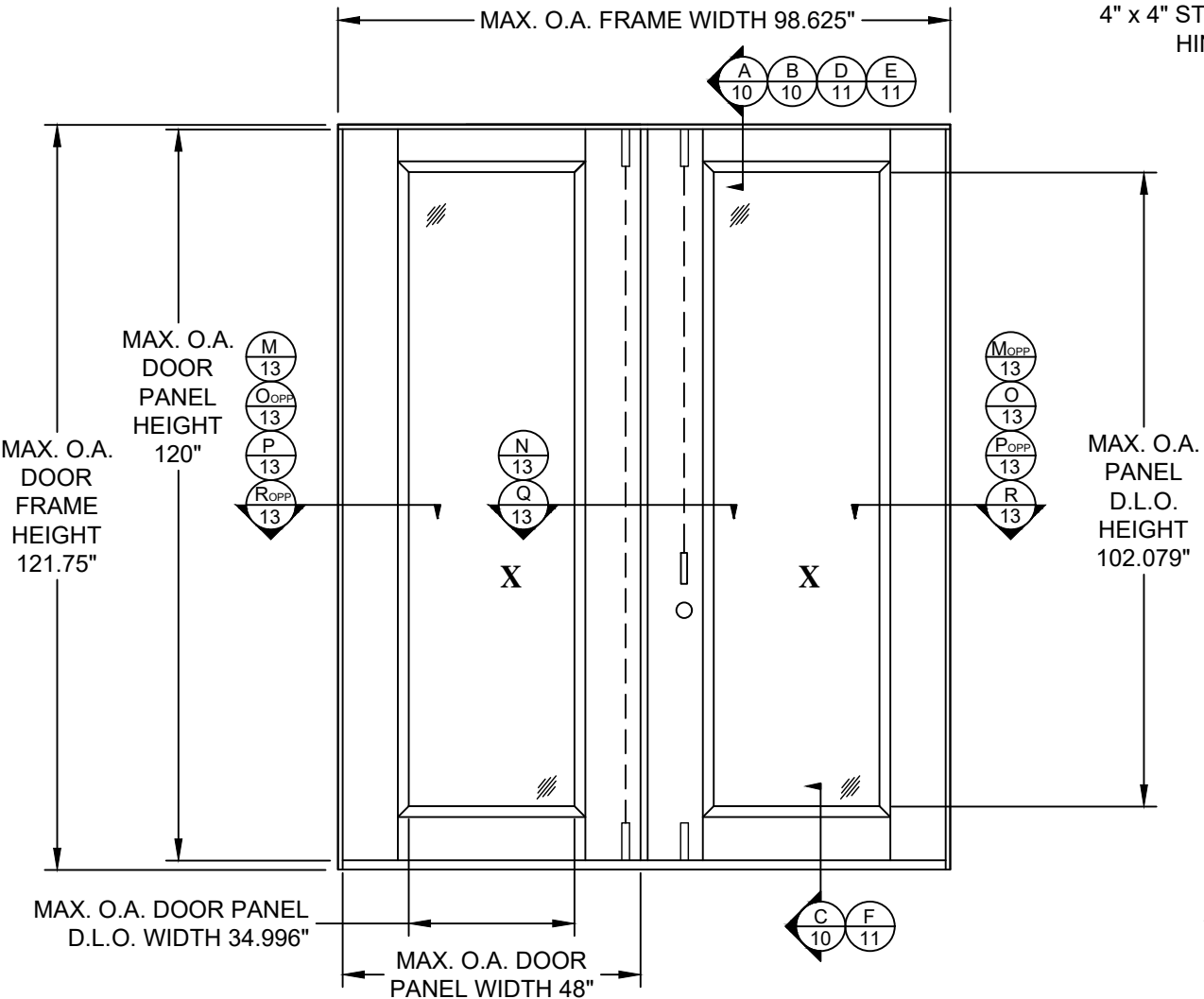
TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
GENERAL AND INSTALLATION NOTES & DP CHART

PREPARED BY: 
DRAWN BY: RJA
DATE: 8/7/20
DRAWING NO: RW0064
SHEET: 1 OF 19

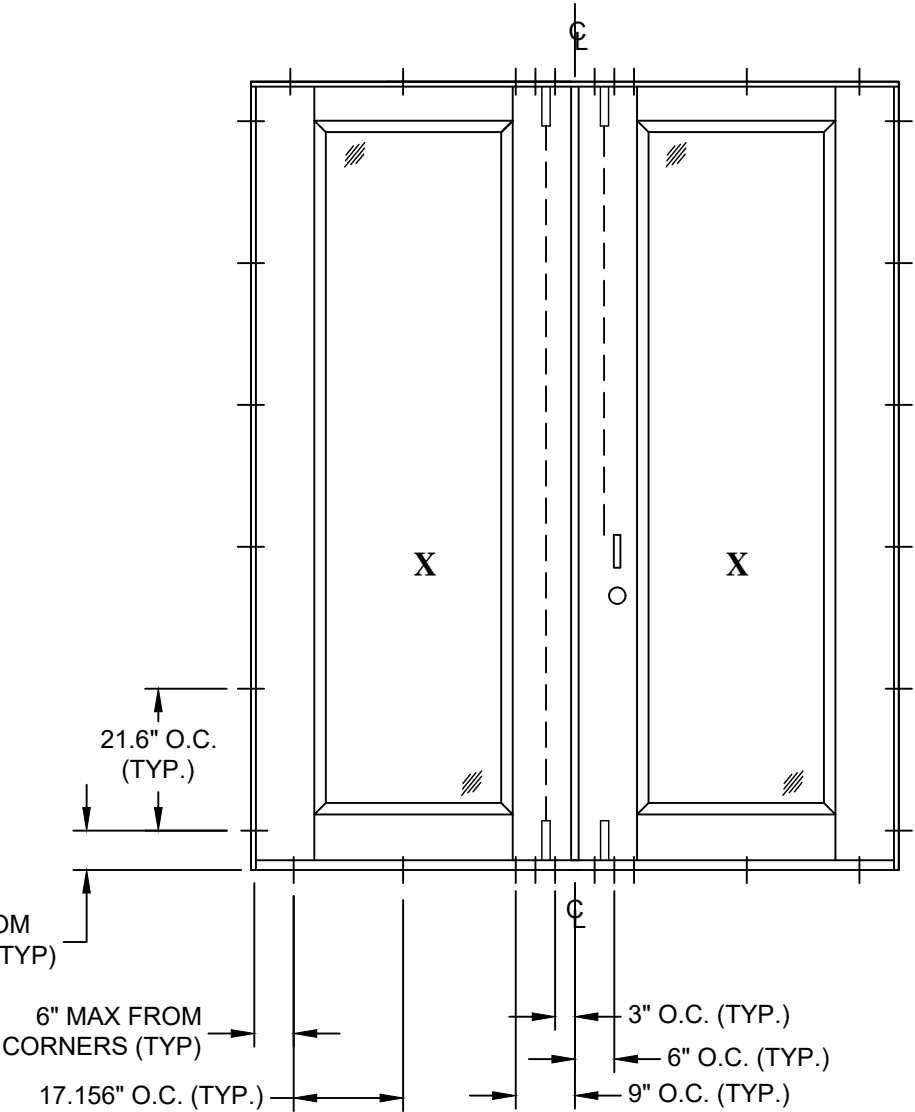
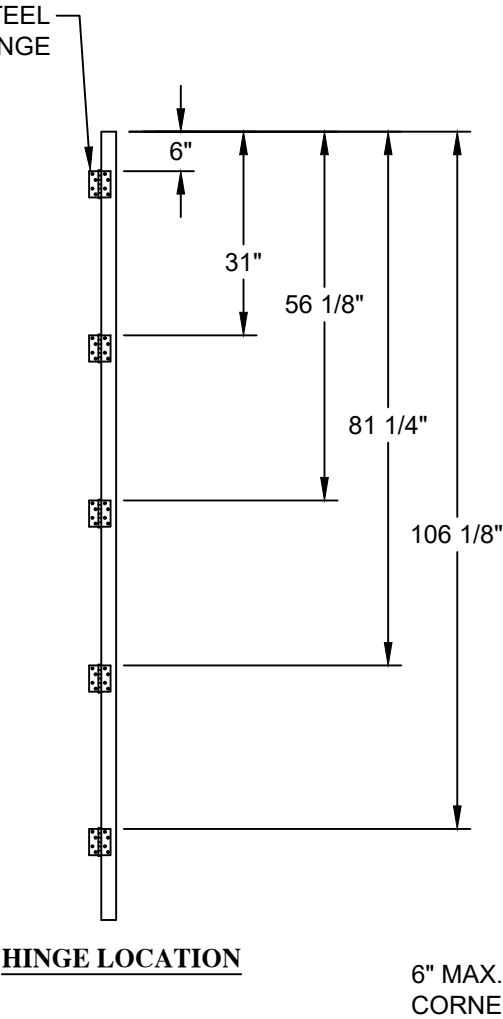
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 52075
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FIFE C/A NO. 23335

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





ELEVATION
DOUBLE DOOR (XX) SQUARE TOP
EXTERIOR VIEW

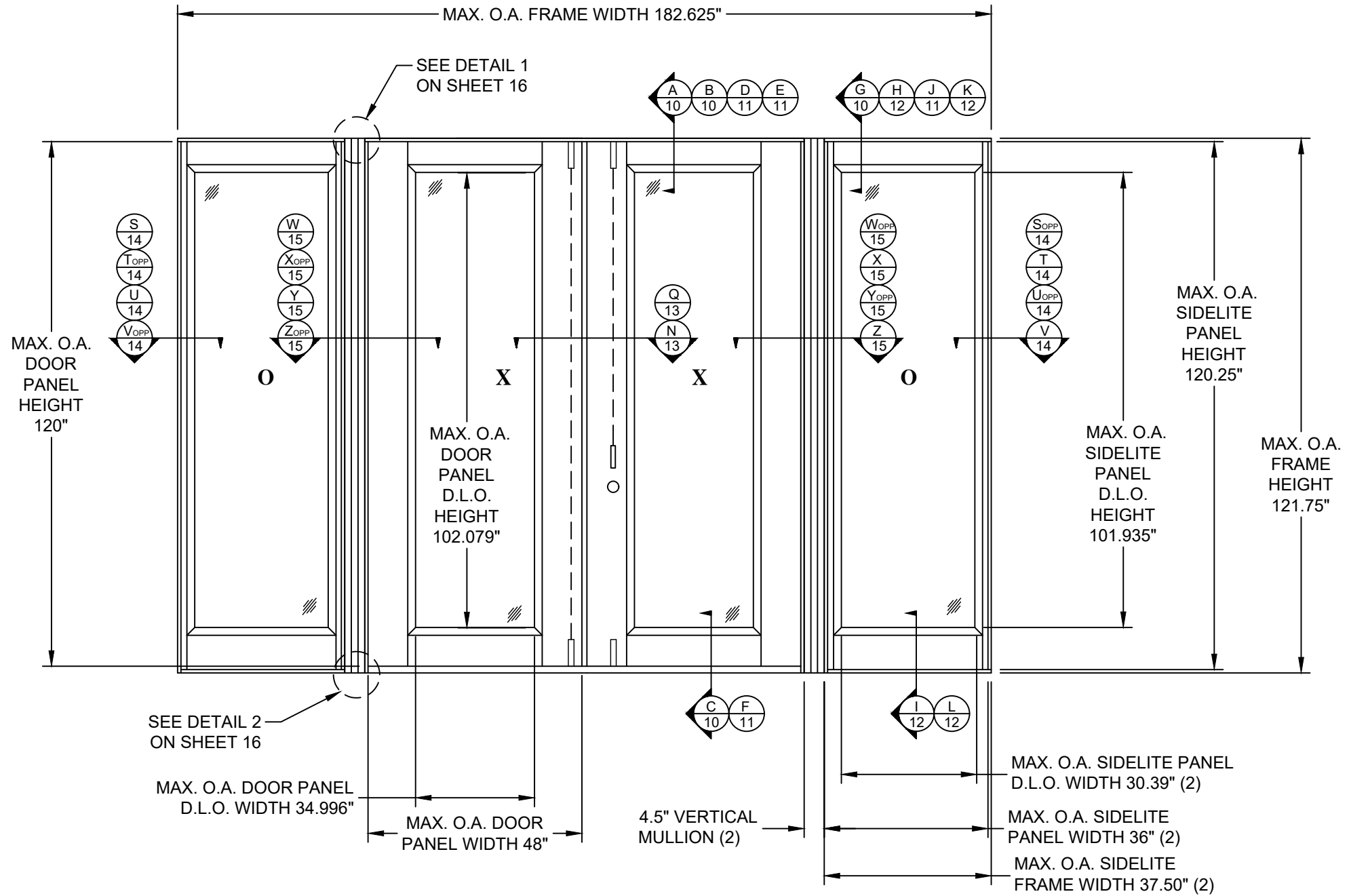
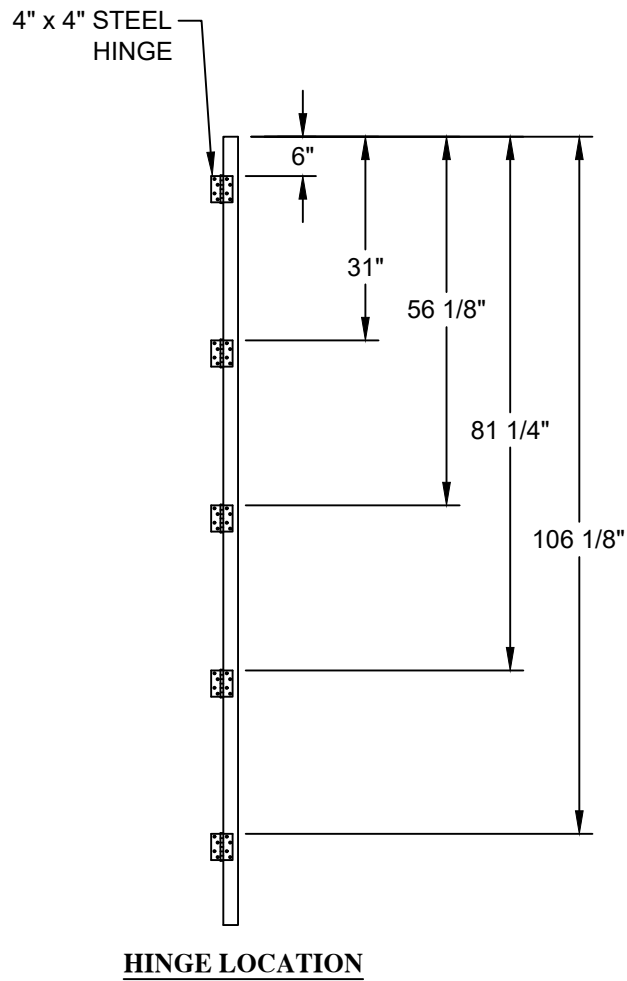


ANCHOR LAYOUT
DOUBLE DOOR (XX) SQUARE TOP
EXTERIOR VIEW

PROJECT #419-0909						BY
						DATE
						DESCRIPTION
						REV

Real Woods Inc. 1230 N. East Ave Sarasota, FL 34237	TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES "XX" SQUARE TOP ELEVATION & ANCHOR LAYOUT		DATE: 8/7/20	DRAWING NO: RW0064	SHEET: 2 OF 19
	DRAWN BY: RJA	SCALE: N.T.S.	REV: ---		
	PTC PRODUCT DESIGN GROUP, LLC PO BOX 52075 LONGWOOD, FLORIDA 32752 PHONE: 321.690.1788 FAX: 321.690.1789 EMAIL: info@ptc-corp.com				

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ELEVATION
DOUBLE DOOR W / SIDELITES (OXXO)
EXTERIOR VIEW

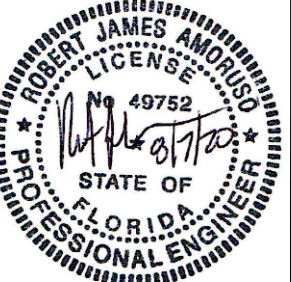
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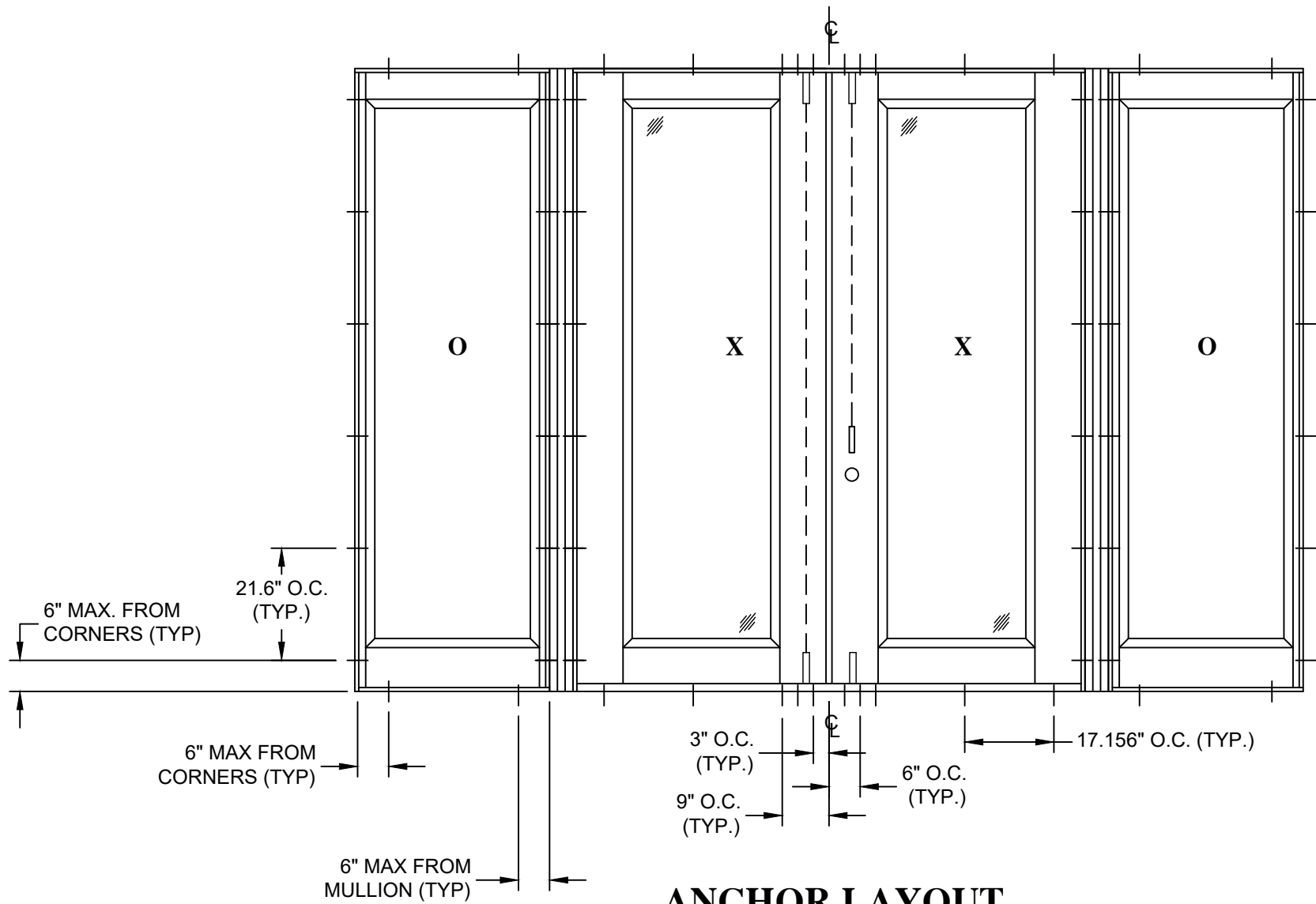
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
"OXXO" SQUARE TOP ELEVATION

PREPARED BY: **FW**
DATE: 8/7/20
DRAWING NO: RW0064
SHEET: 4 OF 19
SCALE: N.T.S.
REV: ---

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ANCHOR LAYOUT
DOUBLE DOOR W / SIDELITES (OXXO)
EXTERIOR VIEW

PROJECT #419-0909					
					BY
					DATE

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
"OXXO" SQUARE TOP ANCHOR LAYOUT

PREPARED BY:
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 52075
LONGWOOD, FLORIDA 32752
TYPE C/A NO. 23355

DRAWN BY: RJA

SCALE: N.T.S.

REV: ---

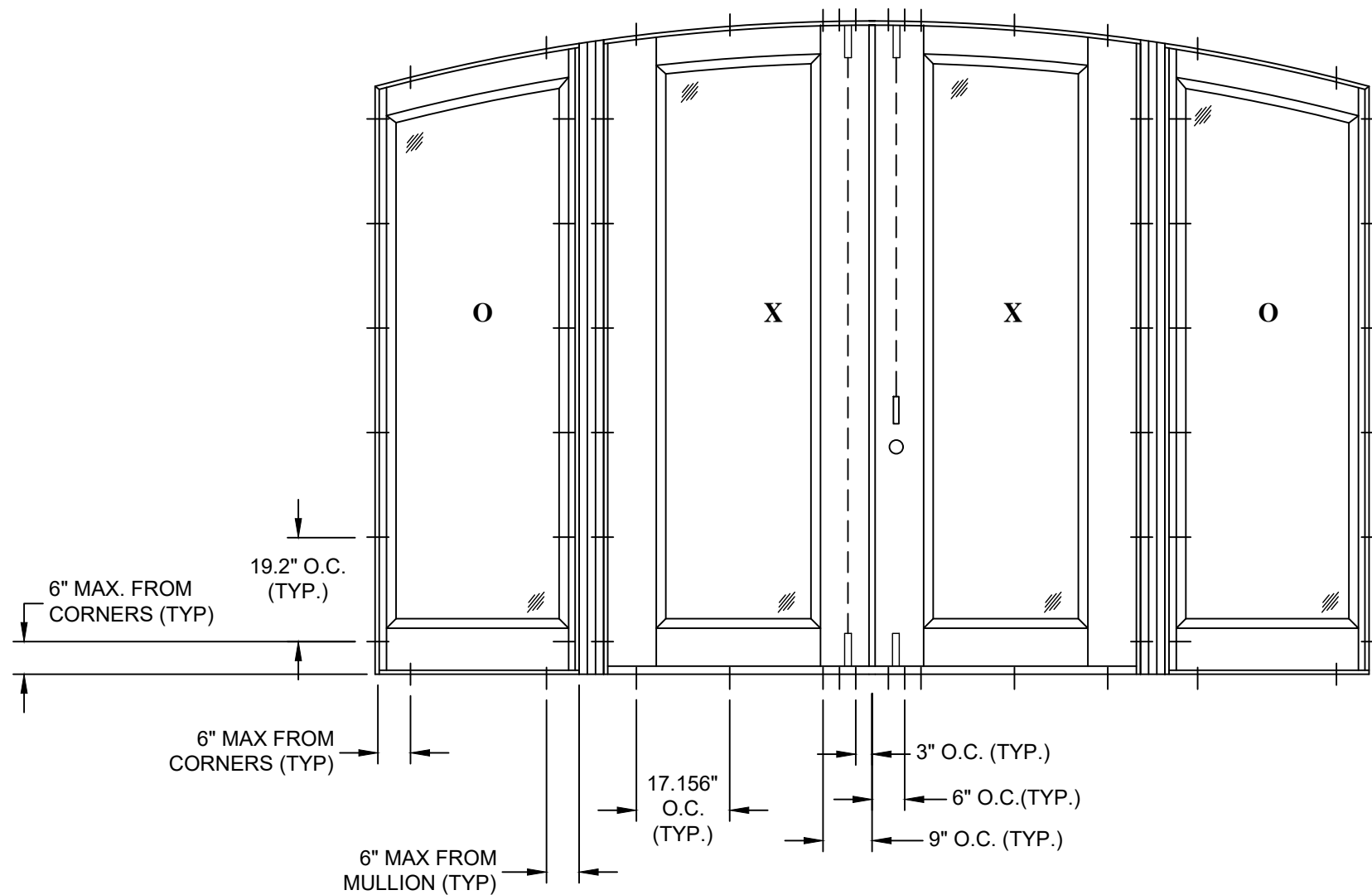
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SHEET: 5 OF 19

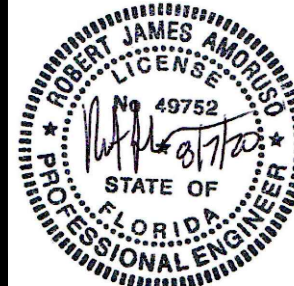


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ANCHOR LAYOUT
OPTIONAL EYEBROW DOUBLE DOOR W / SIDELITES (OXXO)
EXTERIOR VIEW

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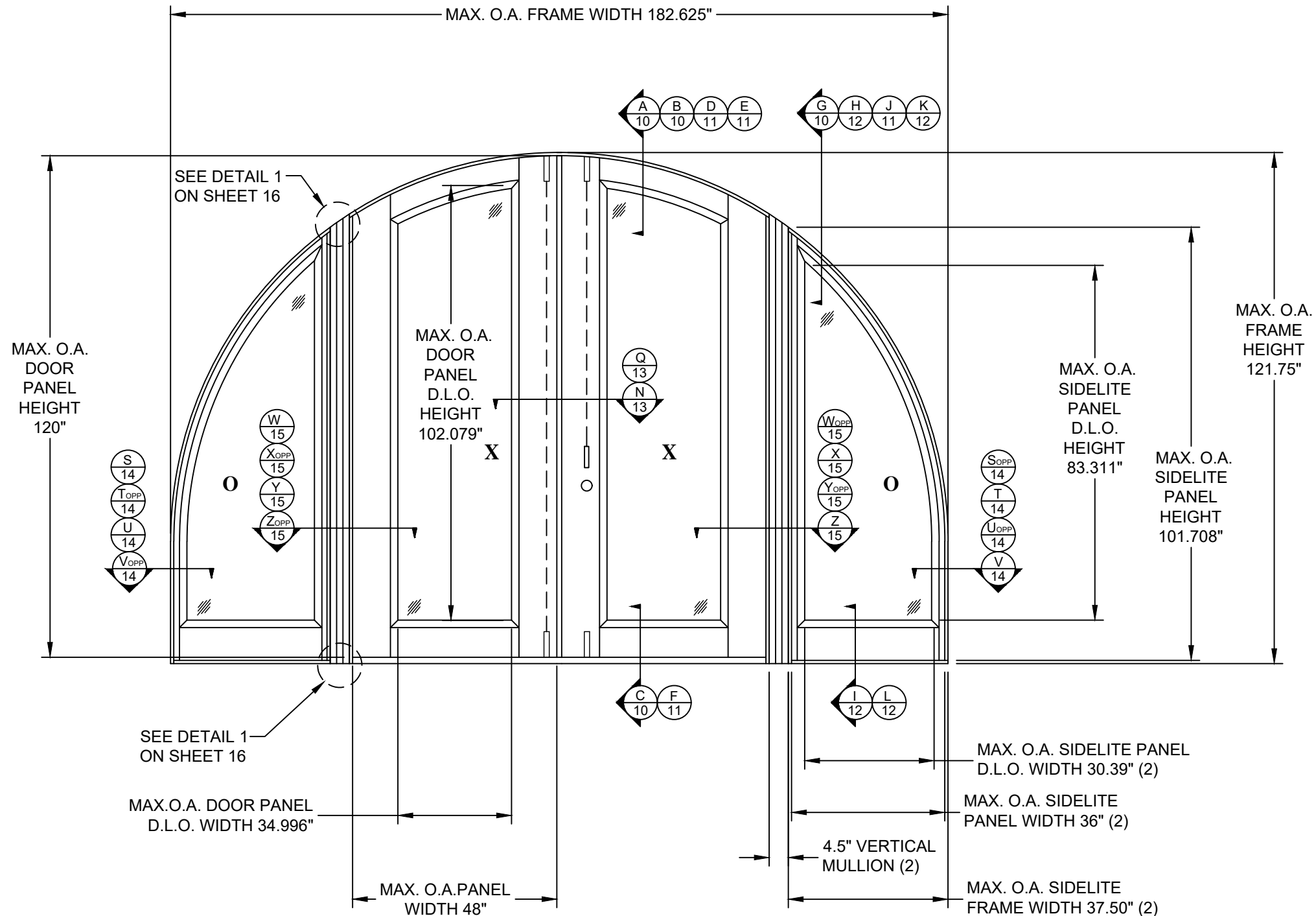
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
"OXXO" EYEBROW TOP ANCHOR LAYOUT

PREPARED BY:	DRAWN BY:	DATE:
	RJA	8/7/20
PTC PRODUCT DESIGN GROUP, LLC PO BOX 52075 LONGWOOD, FLORIDA 32752 PHONE: 321.690.1788 FAX: 321.690.1789 EMAIL: info@ptc-corp.com	SCALE:	DRAWING NO:
	N.T.S.	RW0064
	REV:	SHEET:
	---	7 OF 19

PROJECT #419-0909

REV	DESCRIPTION	DATE	BY



ELEVATION

ROUND TOP DOUBLE DOOR W / SIDELITES (OXXO)
EXTERIOR VIEW

PROJECT #419-0909				REV	DESCRIPTION	DATE	BY

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

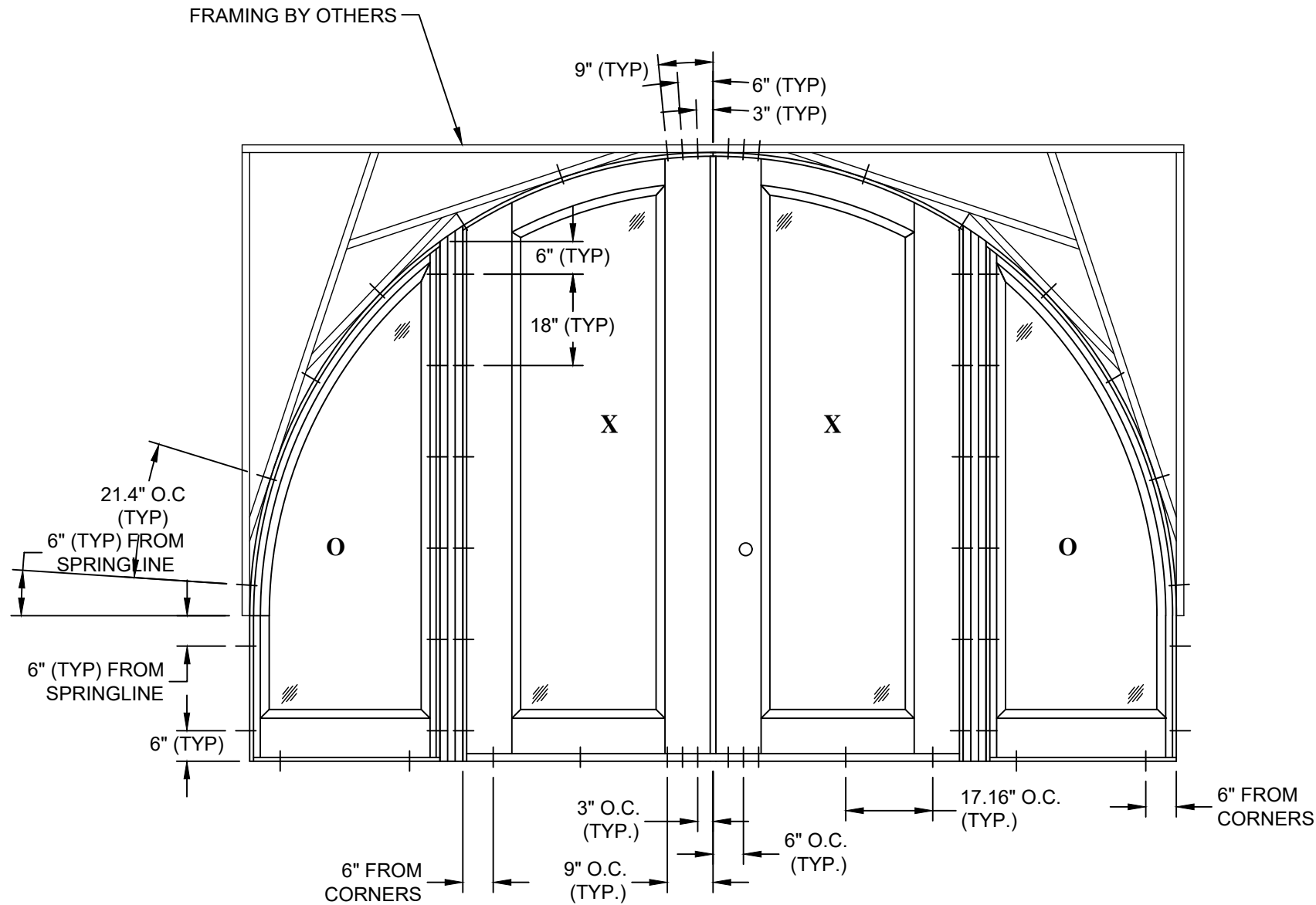
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"OXXO" ROUND TOP ELEVATION

DRAWN BY: RJA
SCALE: N.T.S.
REV: ---

DATE: 8/7/20
DRAWING NO: RW0064
SHEET: 8 OF 19

PREPARED BY: **PTC**
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ANCHOR LAYOUT
ROUND TOP DOUBLE DOOR W / SIDELITES (OXXO)
EXTERIOR VIEW

PROJECT #419-0909				DATE		BY
				REV	DESCRIPTION	

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
"OXXO" ROUND TOP ANCHORLAYOUT

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PTC PRODUCT DESIGN GROUP, LLC
PO BOX 52075
LONGWOOD, FLORIDA 32752
TYPE C/A NO. 23355

DRAWN BY: RJA

SCALE: N.T.S.

REV: ---

DATE: 8/7/20

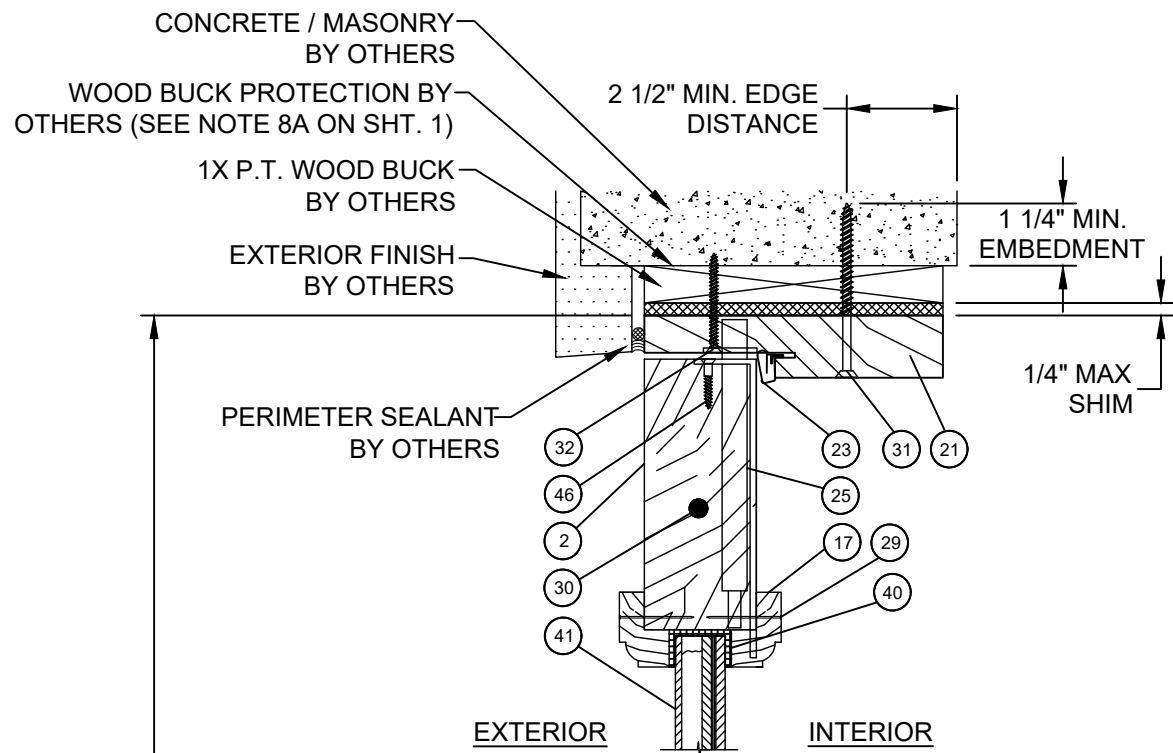
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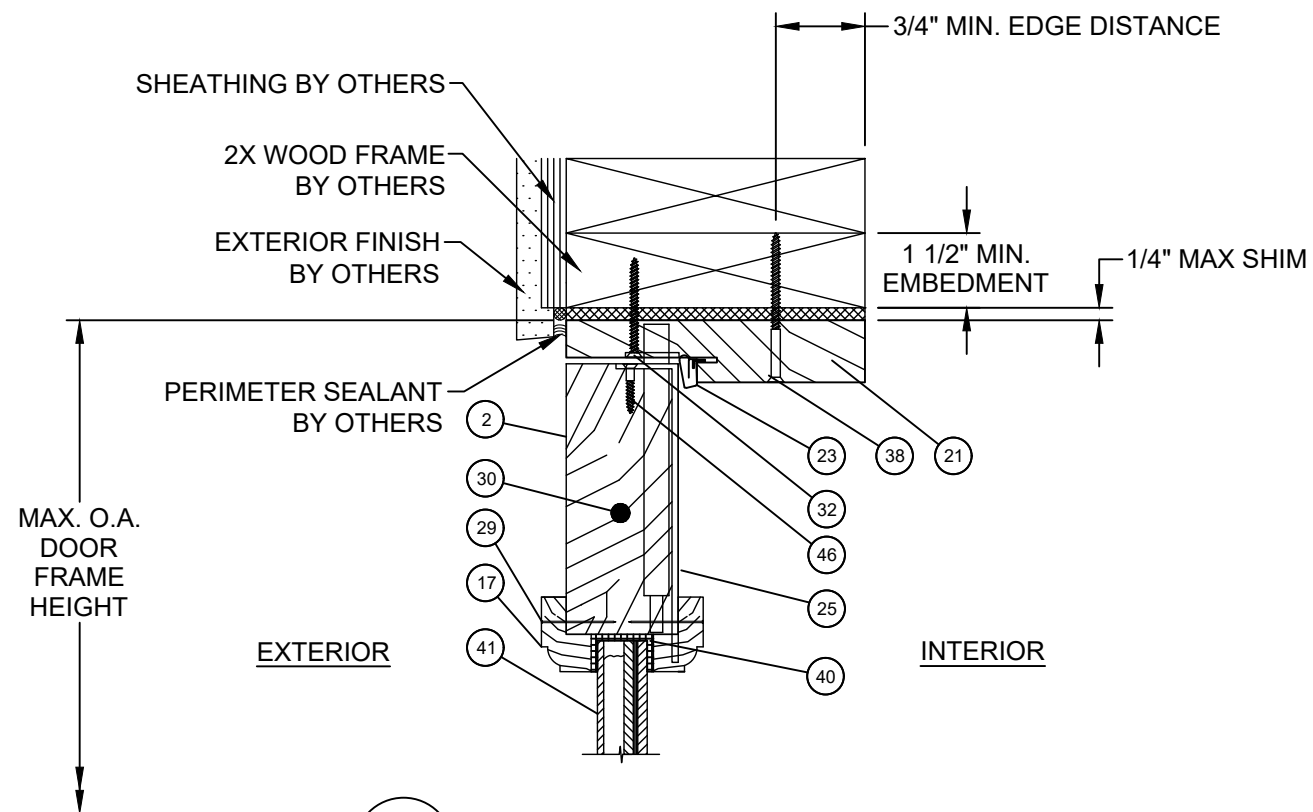
PTC PRODUCT DESIGN GROUP, LLC
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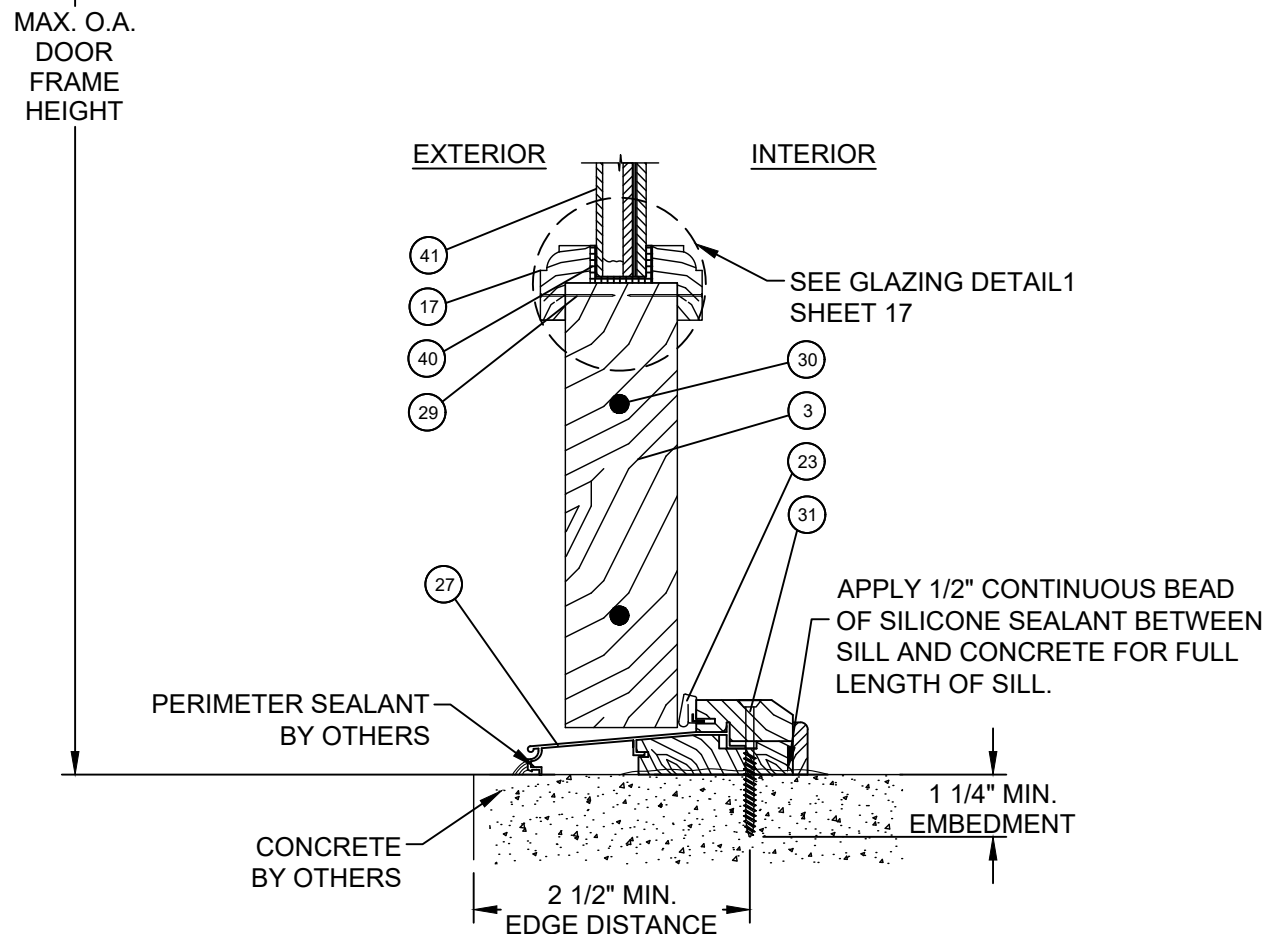
Robert J. Amoruso, P.E.
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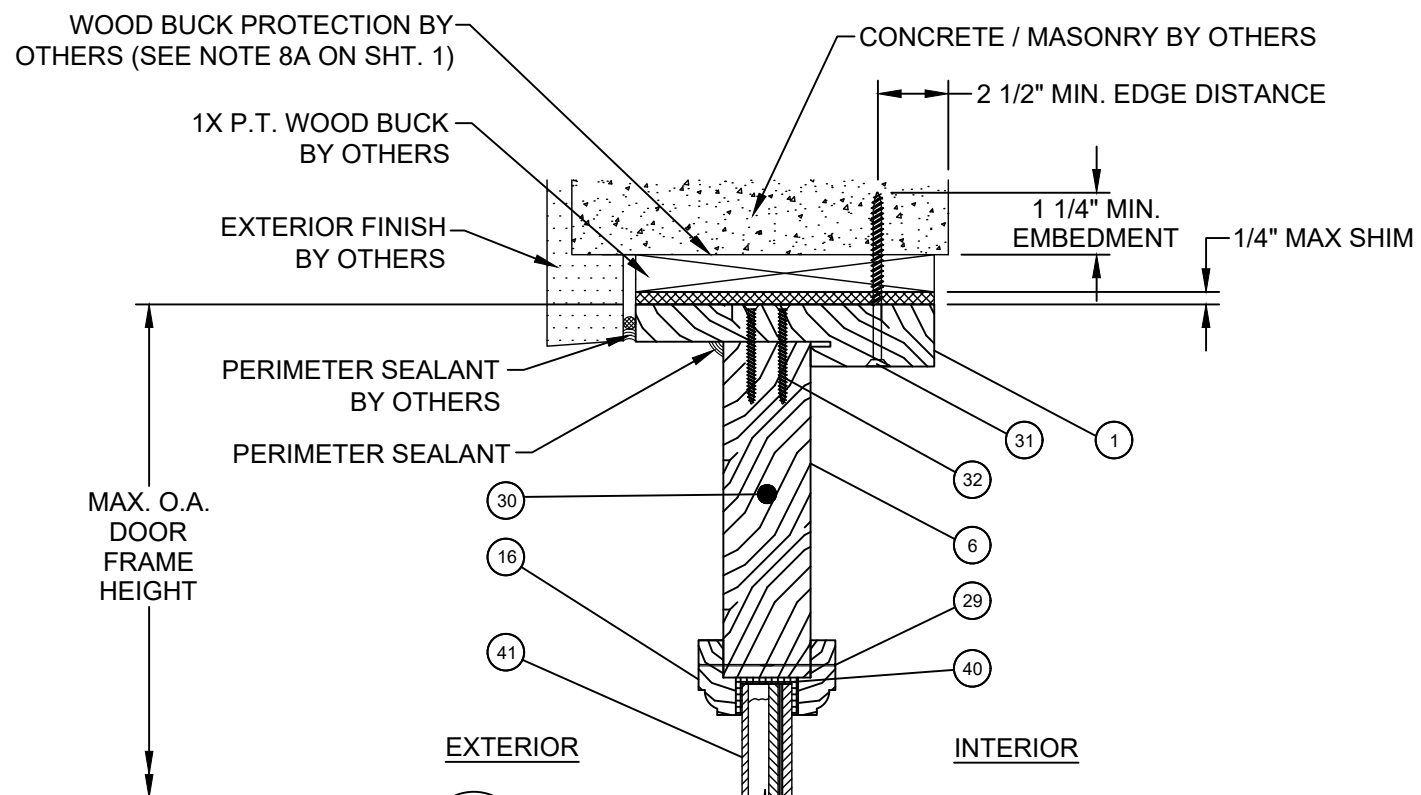
A VERTICAL SECTION
GLAZED DOOR AT HEAD
CONCRETE / MASONRY SUBSTRATE



B VERTICAL SECTION
GLAZED DOOR AT HEAD
WOOD FRAME SUBSTRATE



C VERTICAL SECTION
GLAZED DOOR PANEL AT SILL
CONCRETE / MASONRY SUBSTRATE



G VERTICAL SECTION
GLAZED SIDELITE AT HEAD
CONCRETE / MASONRY SUBSTRATE

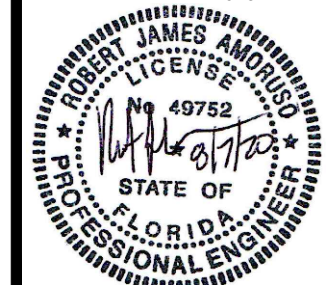
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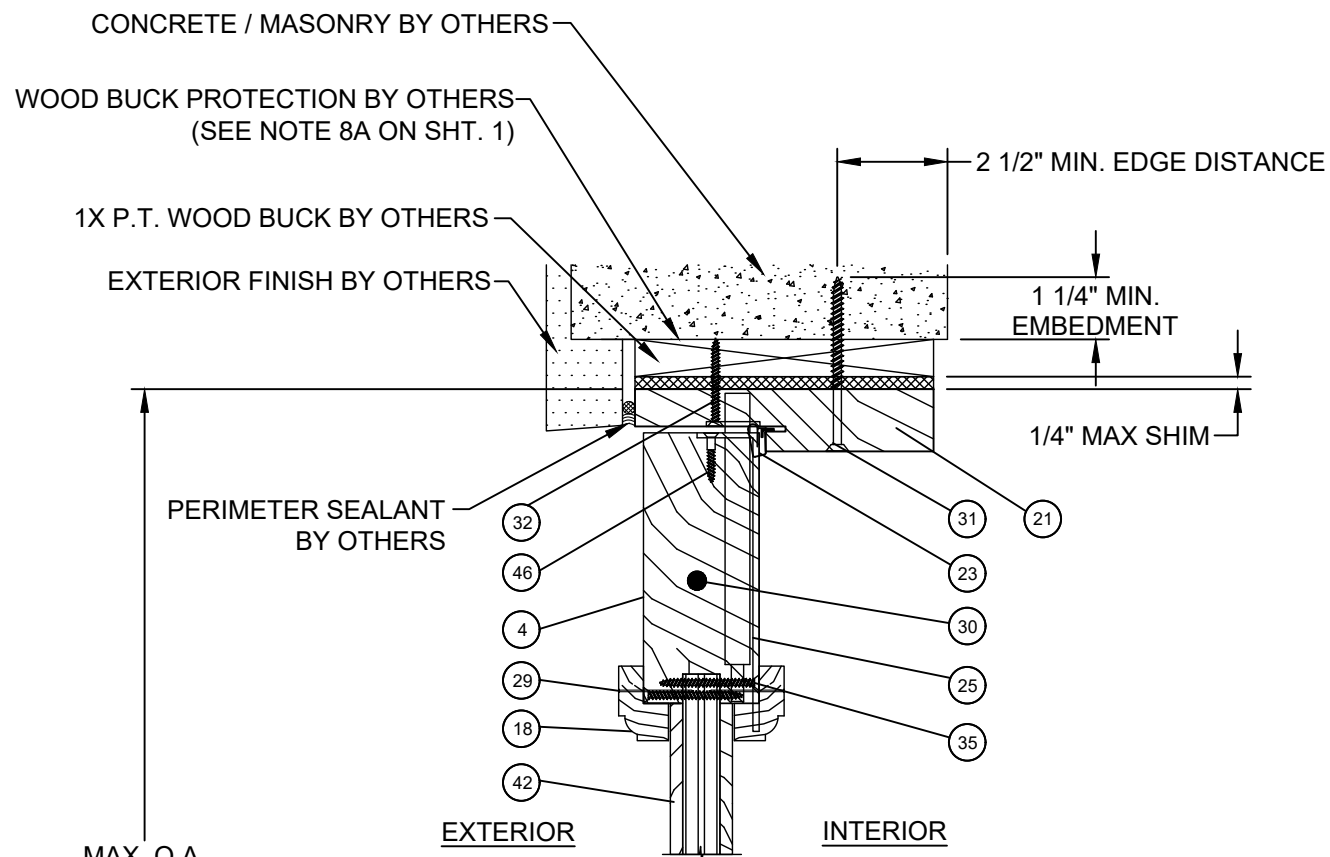
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
VERTICAL SECTIONS

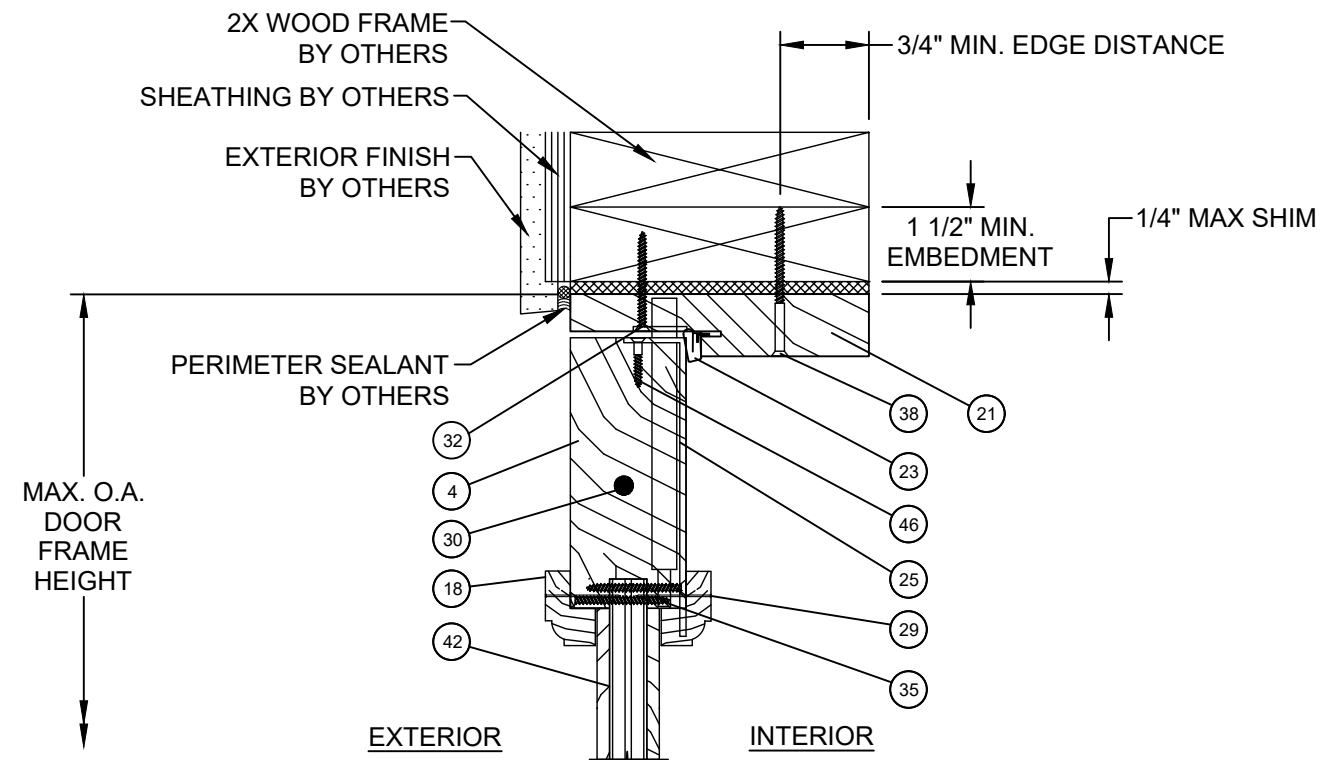
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DRAWING NO:	RW0064
SCALE:	N.T.S.
SHEET:	10 OF 19
REV:	---
PREPARED BY:	RJA
DATE:	8/7/20
DRAWING NO:	RW0064
SCALE:	N.T.S.
SHEET:	10 OF 19
REV:	---
PTC PRODUCT DESIGN GROUP, LLC	Phone: 321.690.1788
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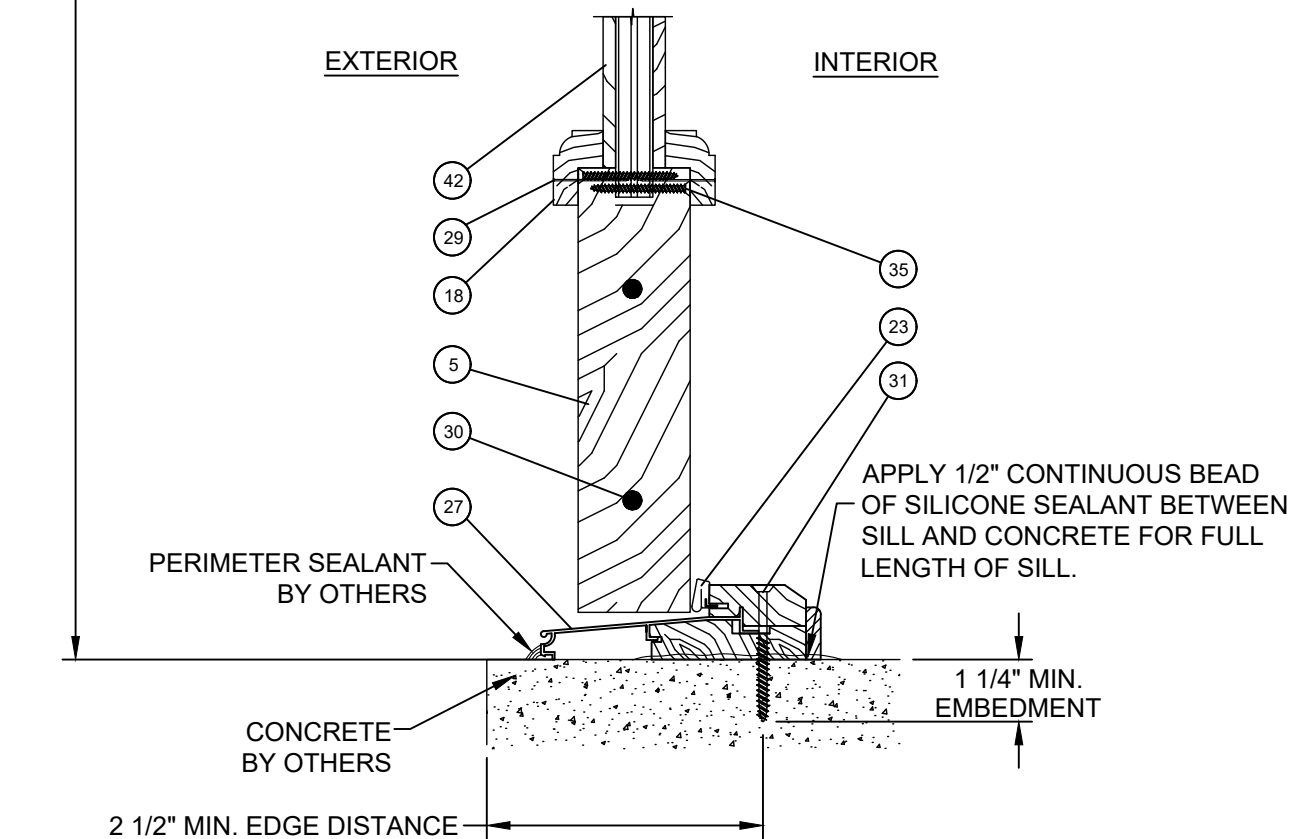




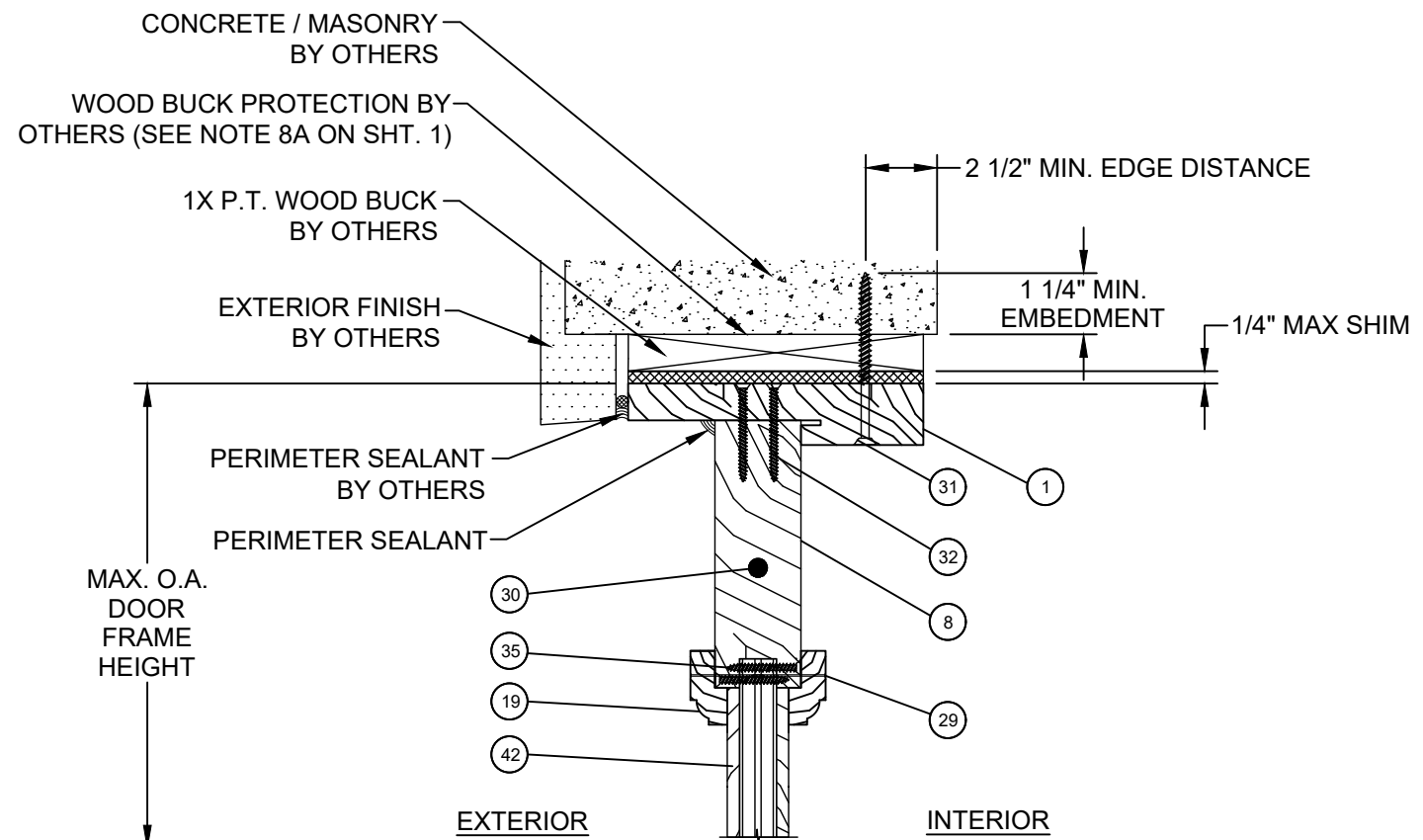
D VERTICAL SECTION
OPAQUE DOOR AT HEAD
CONCRETE / MASONRY SUBSTRATE



E VERTICAL SECTION
OPAQUE DOOR AT HEAD
WOOD FRAME SUBSTRATE



F VERTICAL SECTION
OPAQUE DOOR PANEL AT SILL
CONCRETE / MASONRY SUBSTRATE



J VERTICAL SECTION
OPAQUE SIDELITE AT HEAD
CONCRETE / MASONRY SUBSTRATE

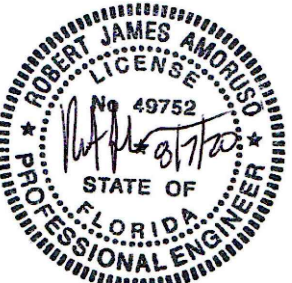
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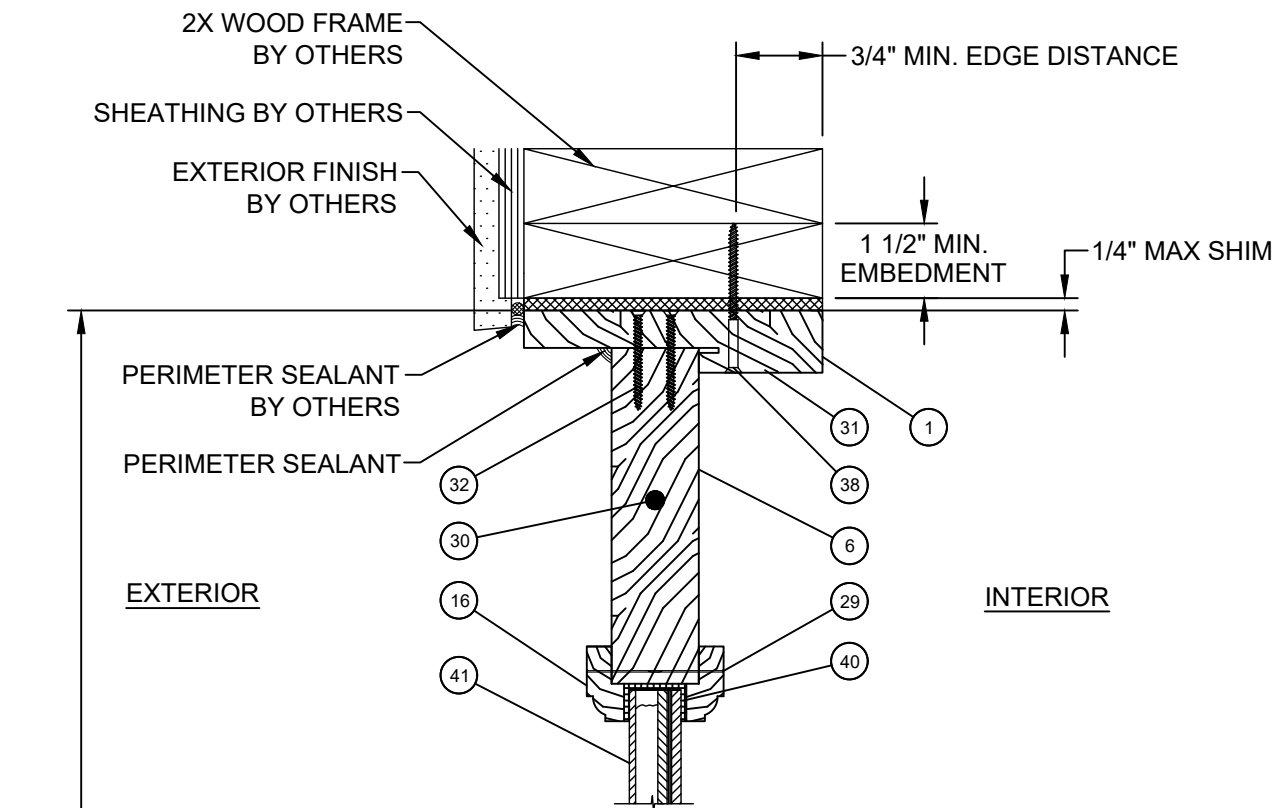
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VERTICAL SECTIONS

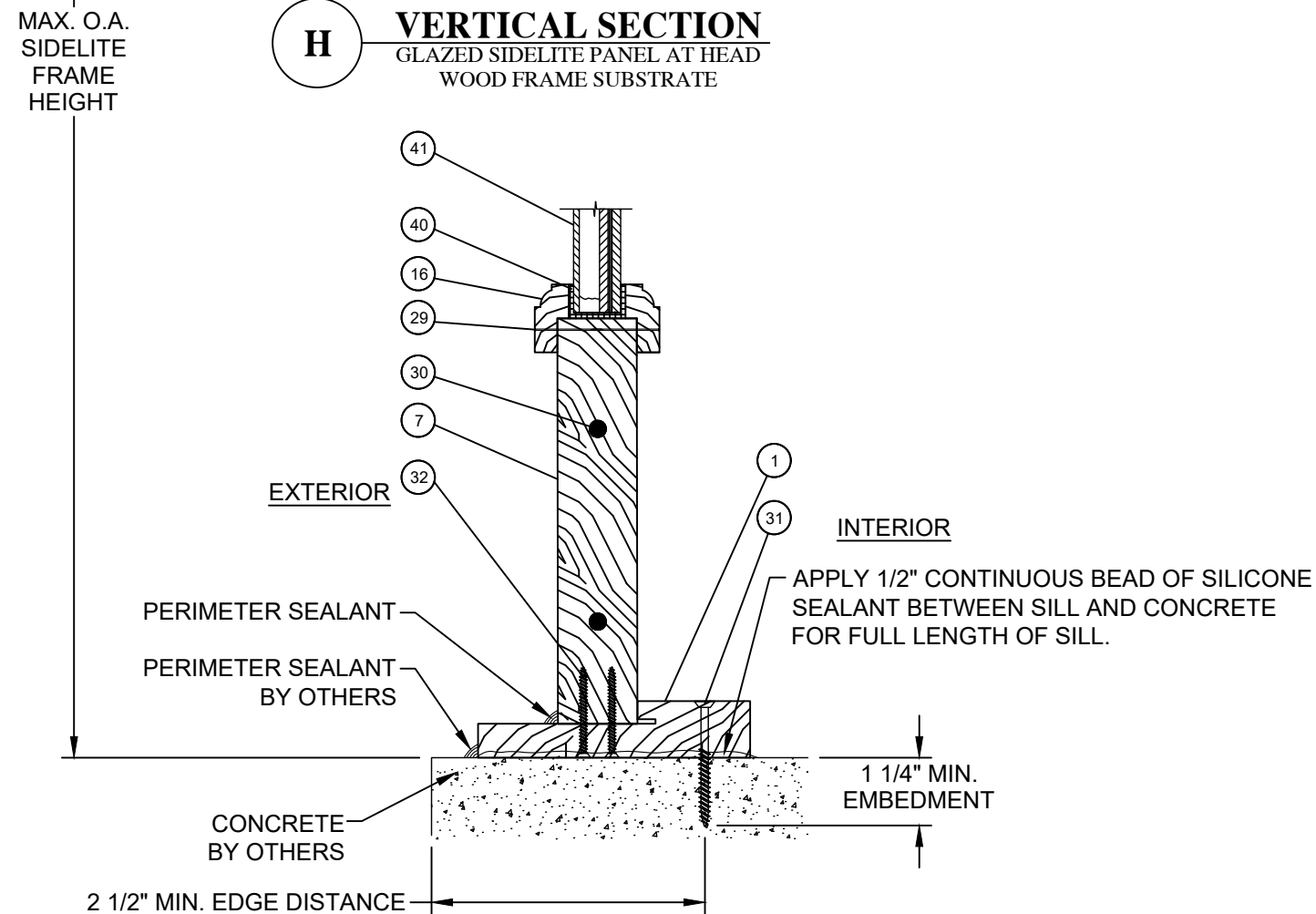
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DRAWN BY:	RJA	SCALE:	N.T.S.	REV:	---

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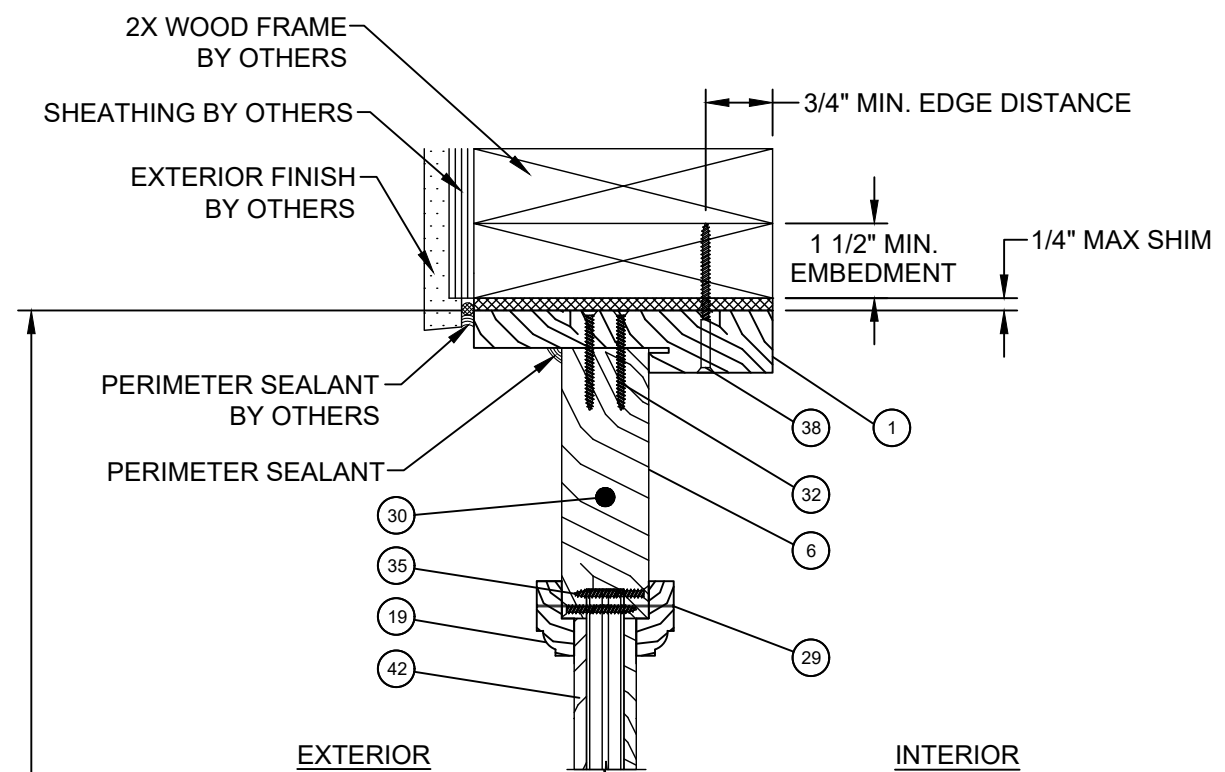




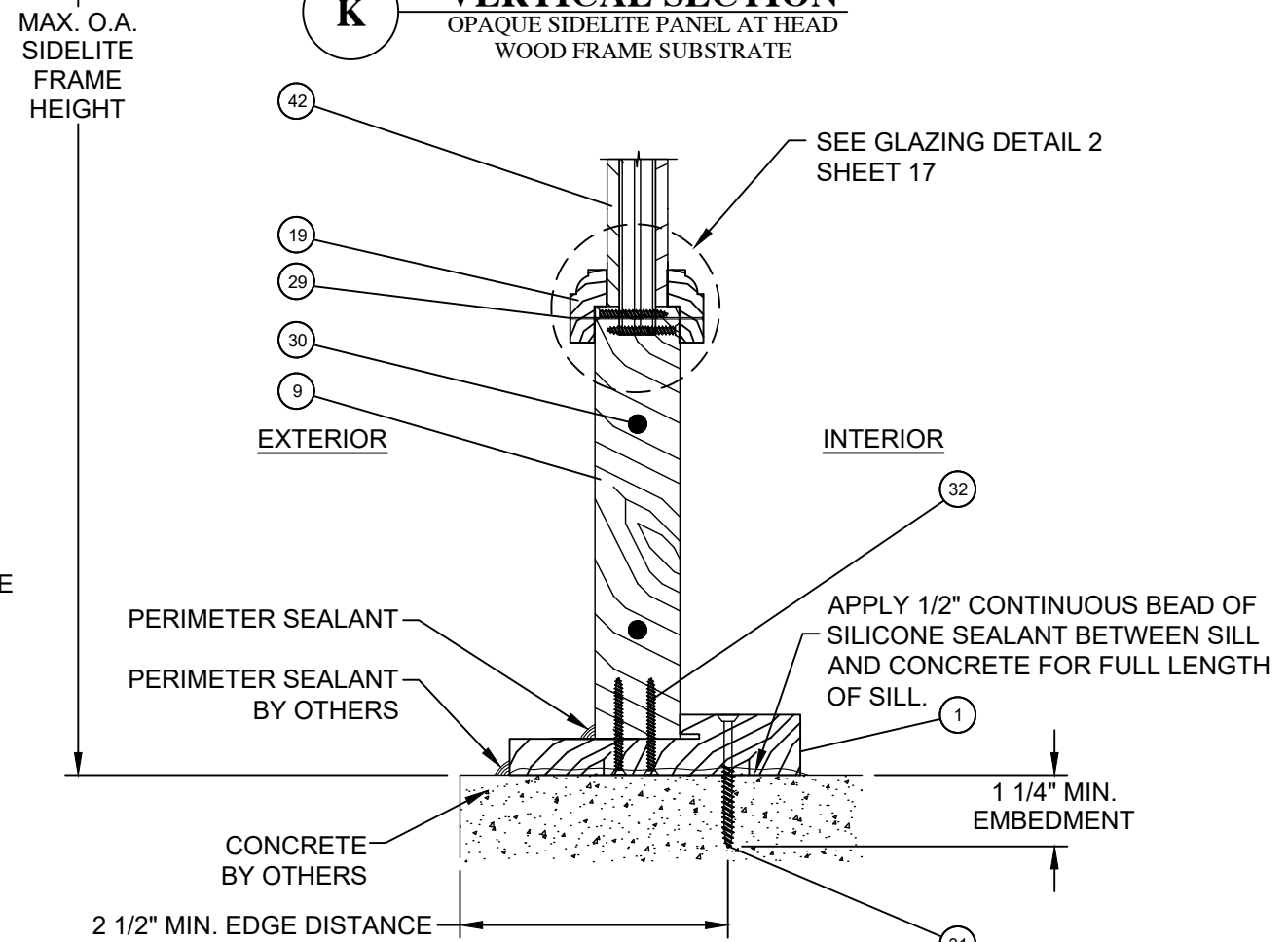
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GLAZED SIDELITE PANEL AT HEAD
WOOD FRAME SUBSTRATE



I **VERTICAL SECTION**
GLAZED SIDELITE PANEL AT SILL
CONCRETE / MASONRY SUBSTRATE



K **VERTICAL SECTION**
OPAQUE SIDELITE PANEL AT HEAD
WOOD FRAME SUBSTRATE



L **VERTICAL SECTION**
OPAQUE SIDELITE PANEL AT SILL
CONCRETE / MASONRY SUBSTRATE

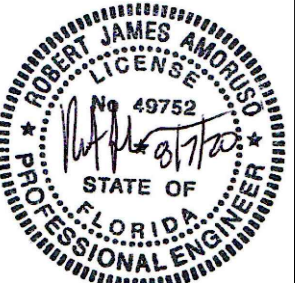
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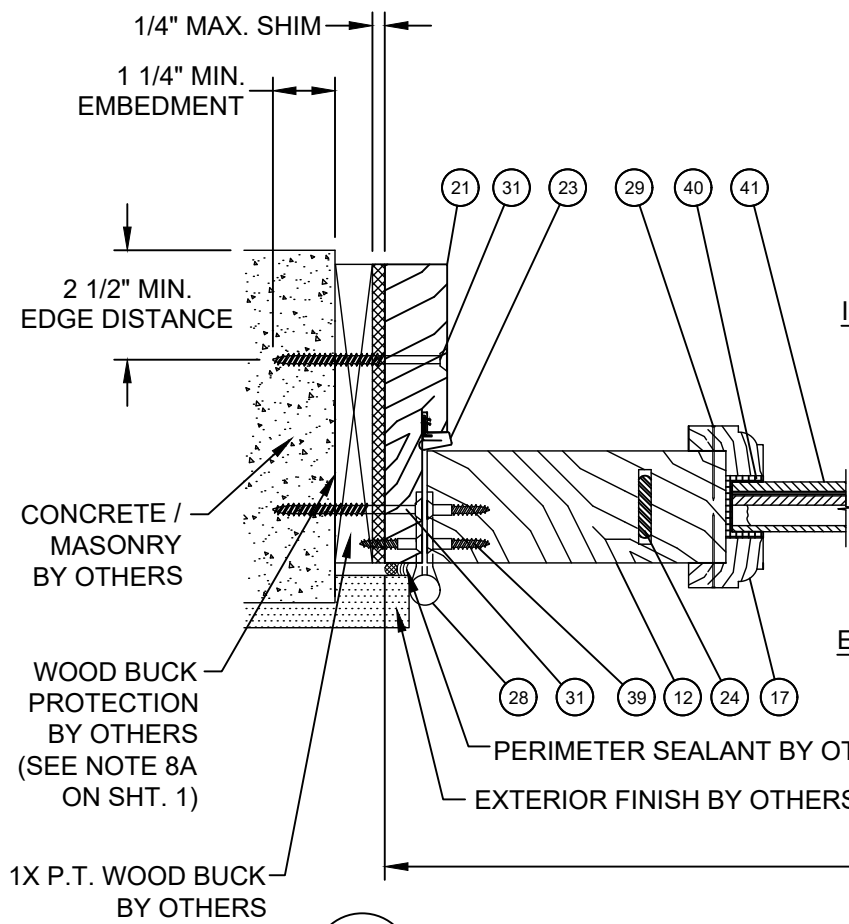
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VERTICAL SECTIONS
TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES

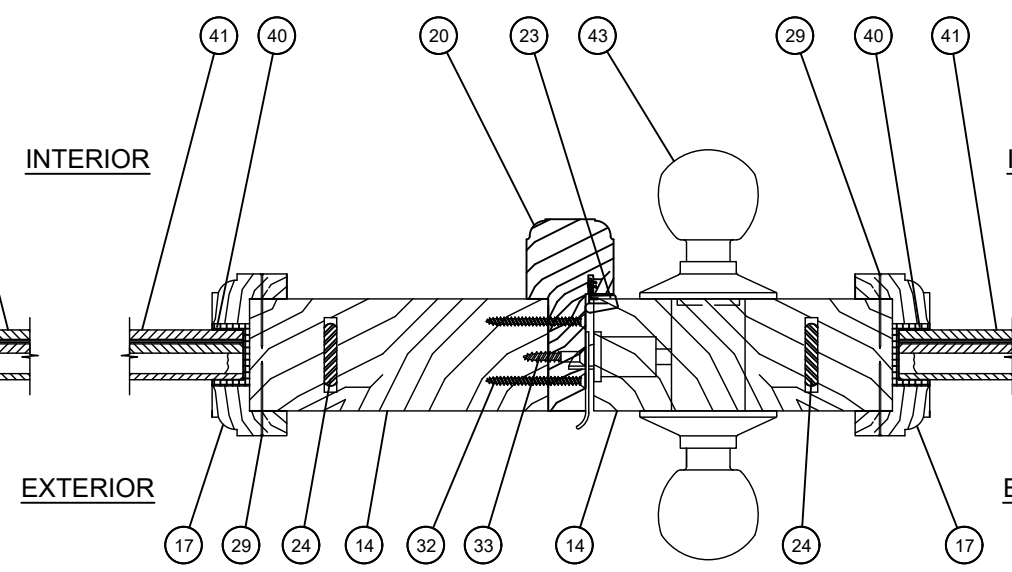
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SCALE:	N.T.S.	DRAWING NO.:	RW0064
REV:	---	SHEET:	12 OF 19
PREPARED BY:	PTC	PTC PRODUCT DESIGN GROUP, LLC	PO BOX 52075 LONGWOOD, FLORIDA 32752 PHONE: 321.690.1788 FAX: 321.690.1789 EMAIL: info@ptc-corp.com

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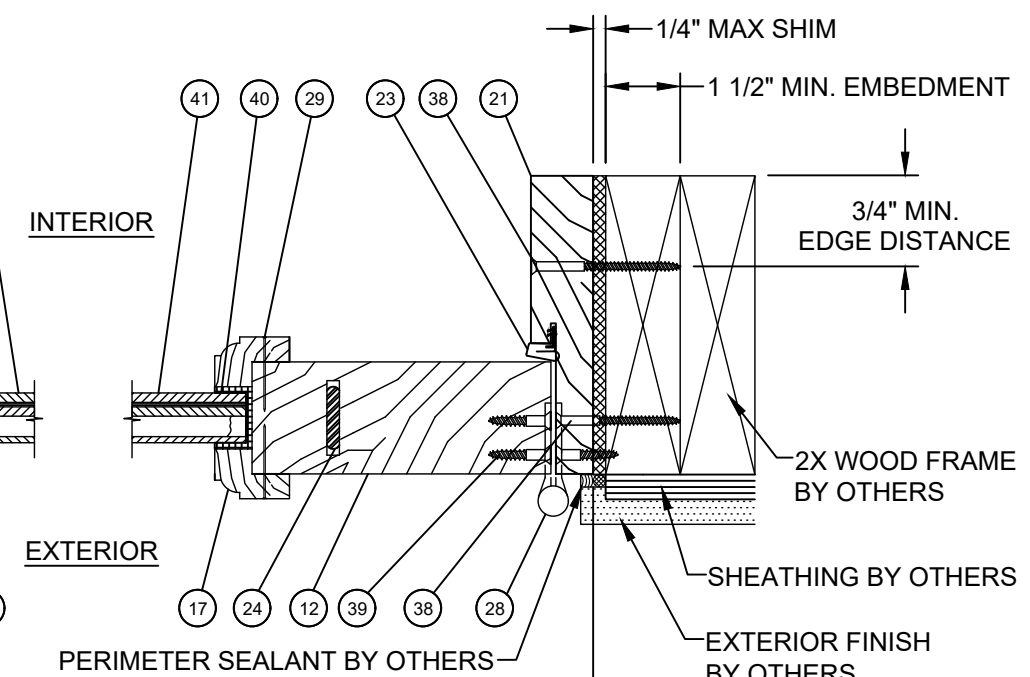




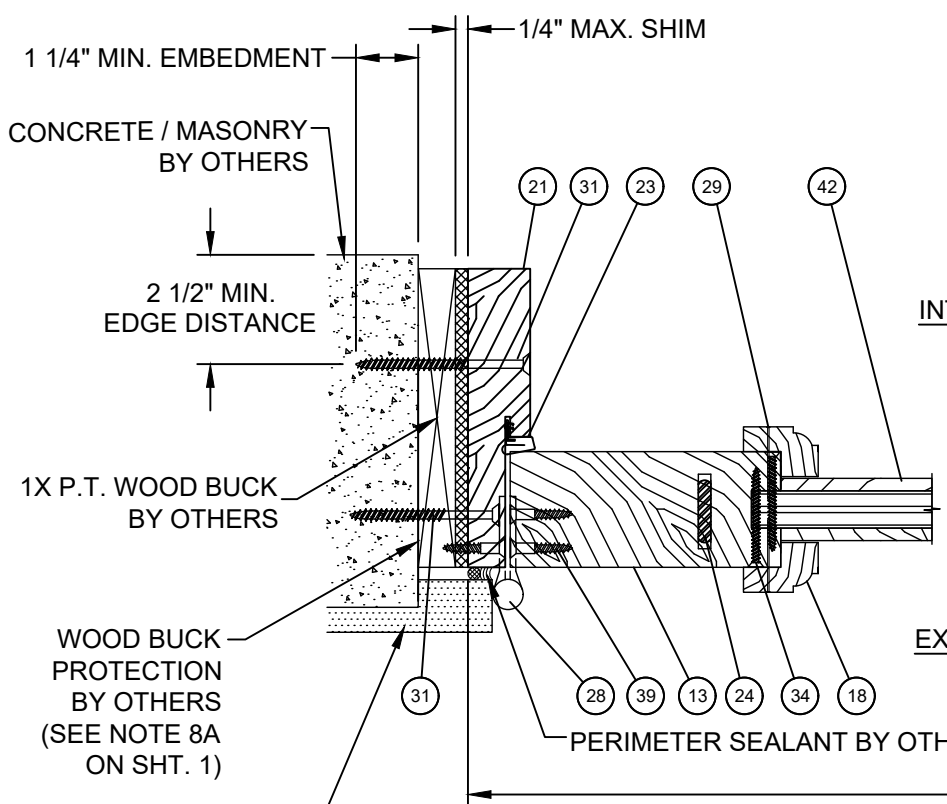
M HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE
GLAZED HINGE JAMB



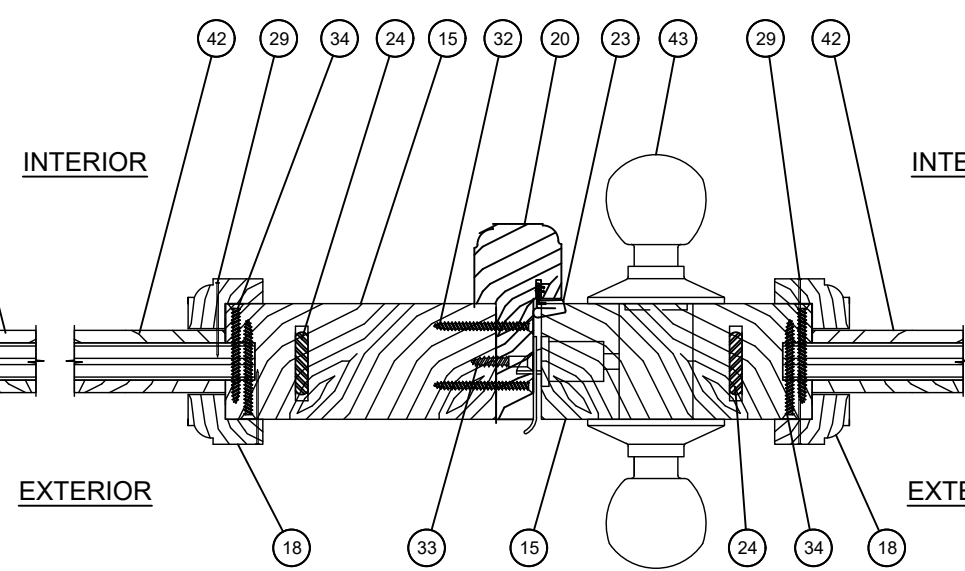
N HORIZONTAL SECTION
ASTRAGAL
WITH GLAZED PANELS



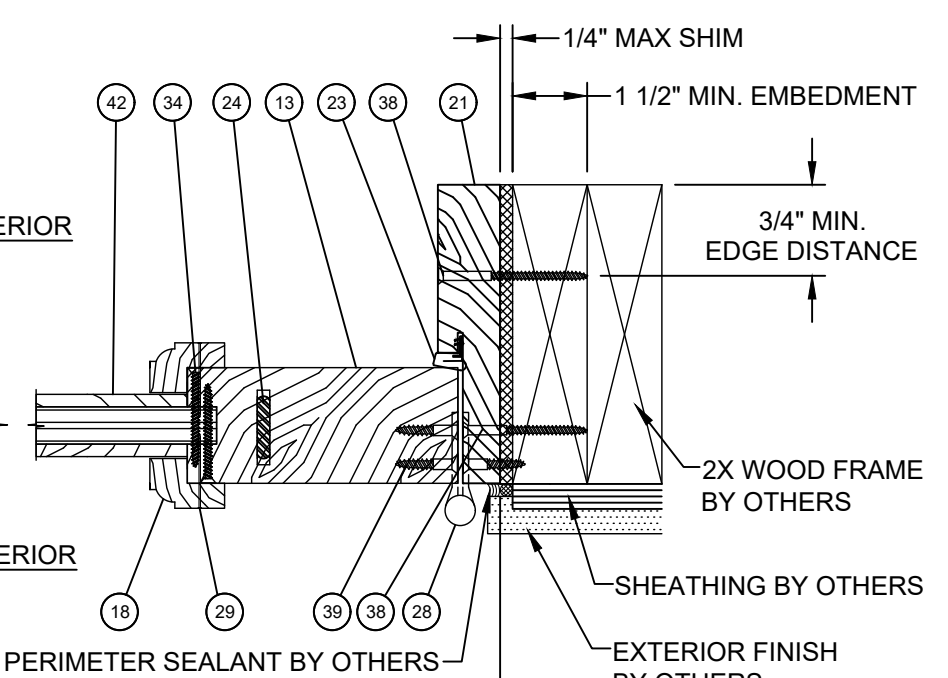
O HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
GLAZED HINGE JAMB



P HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE
OPAQUE HINGE JAMB



Q HORIZONTAL SECTION
ASTRAGAL
WITH OPAQUE PANELS



R HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
OPAQUE HINGE JAMB

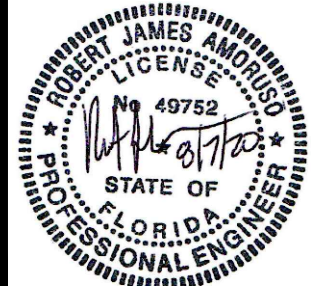
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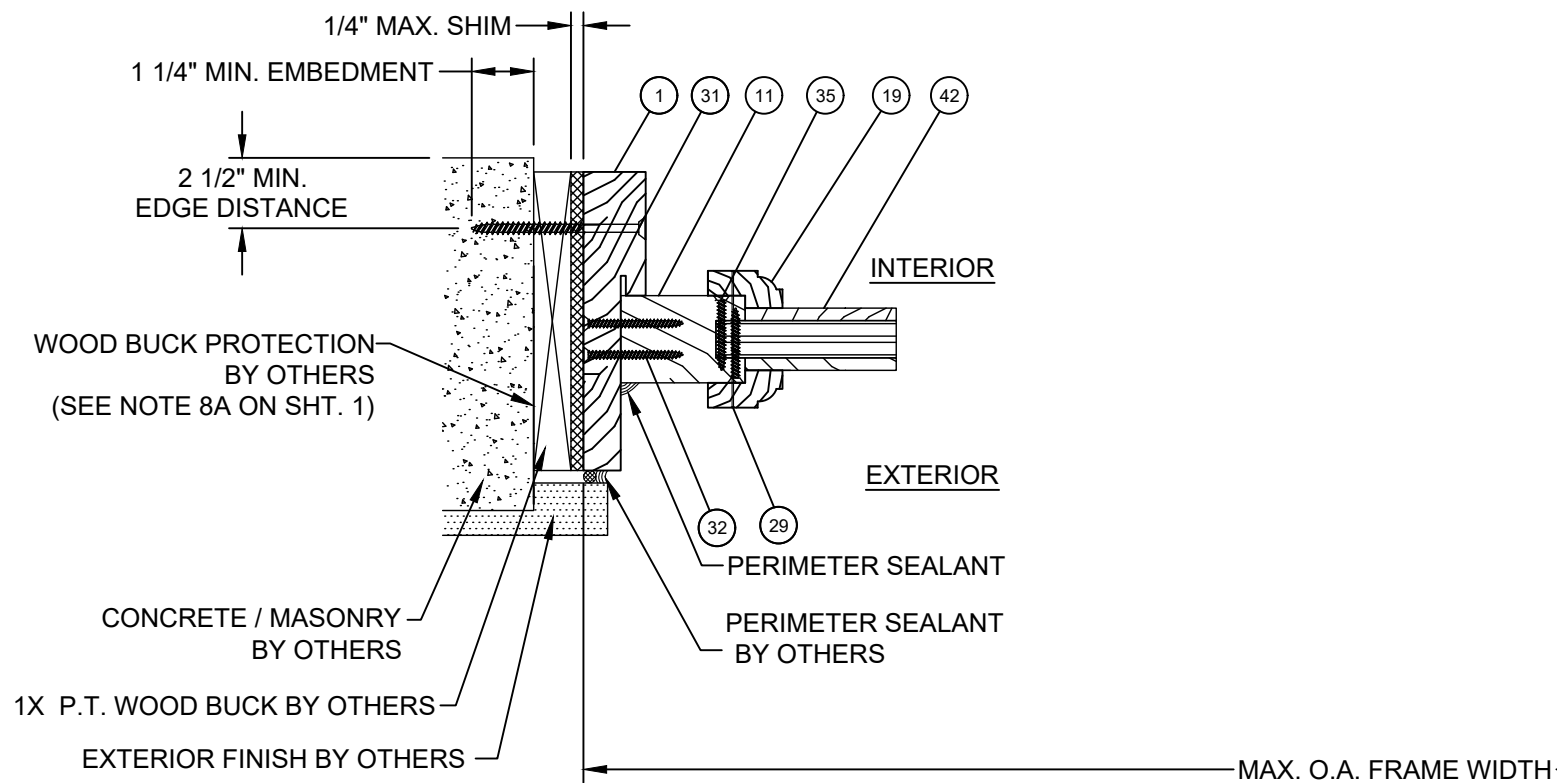
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1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
HORIZONTAL SECTIONS

DRAWN BY:	RJA	DATE:	8/7/20
SCALE:	N.T.S.	DRAWING NO.:	RW0064
REV:	---	SHEET:	13 OF 19

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

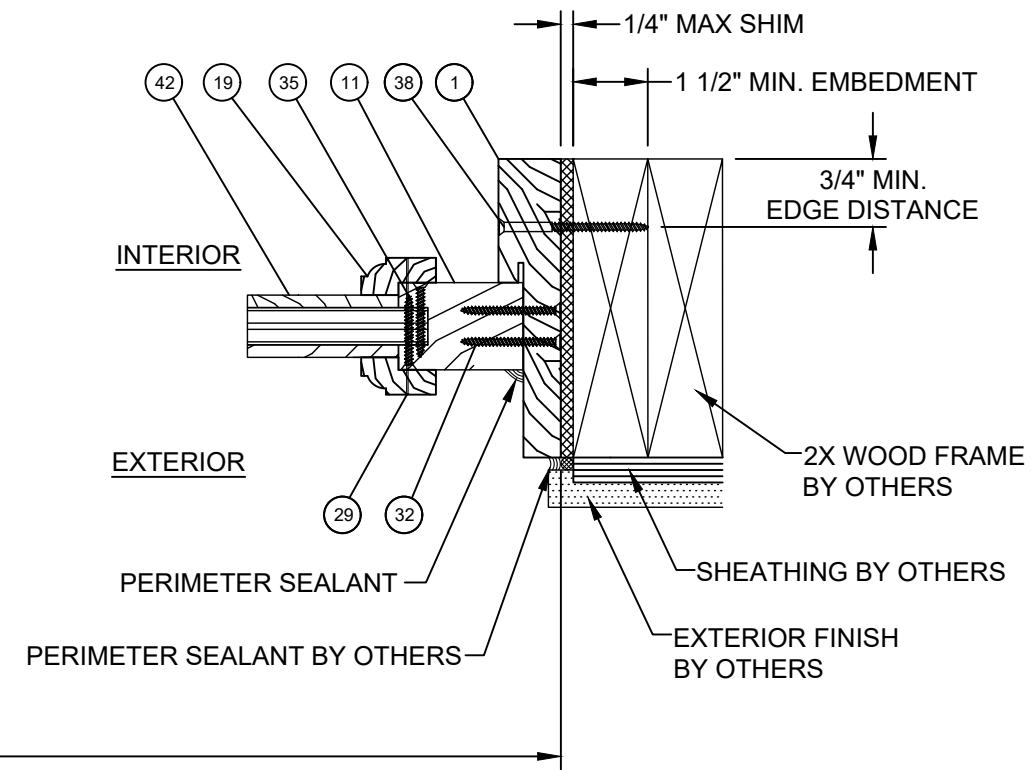




S

HORIZONTAL SECTION

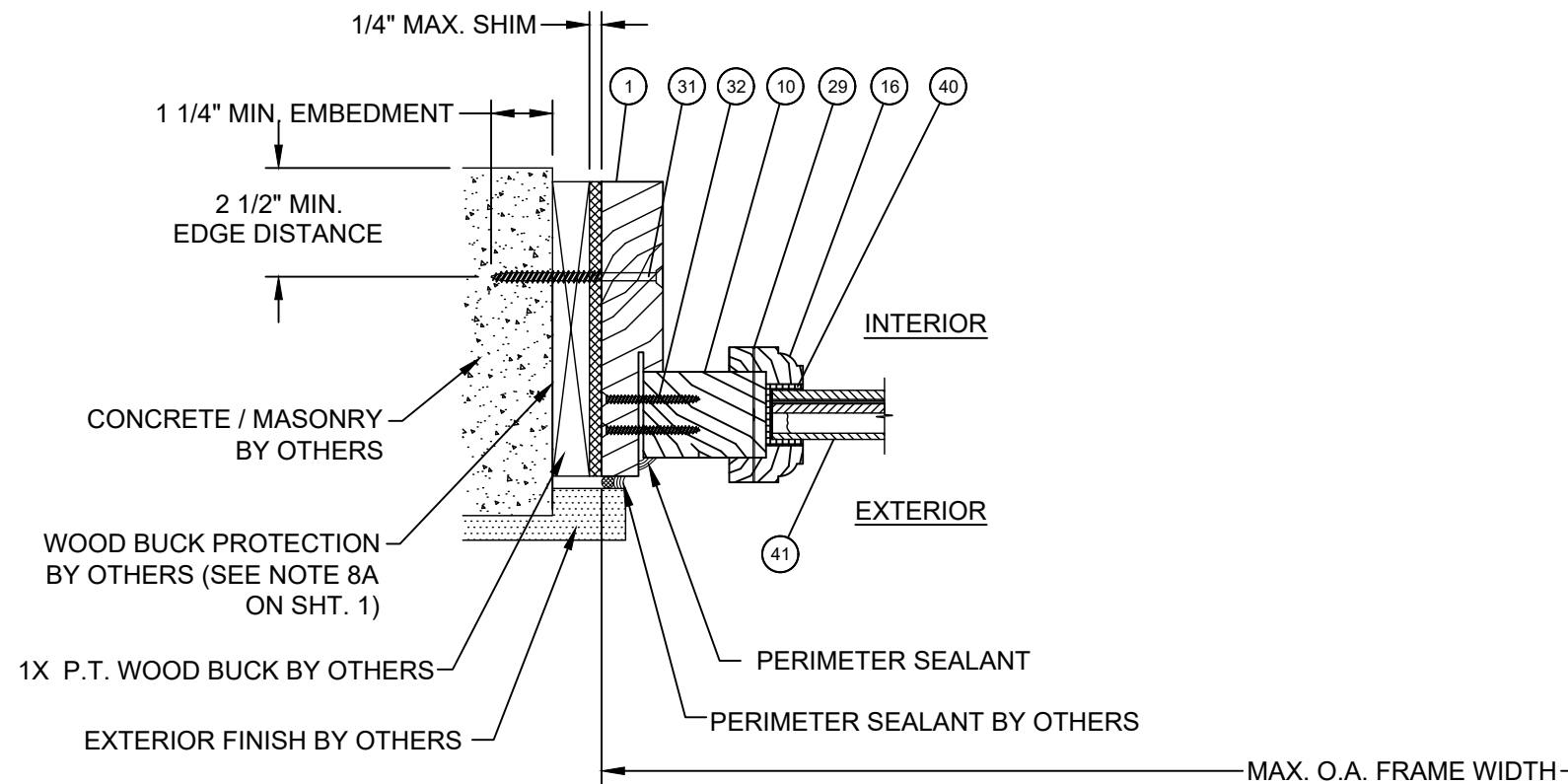
CONCRETE / MASONRY SUBSTRATE
OPAQUE SIDELITE JAMB



T

HORIZONTAL SECTION

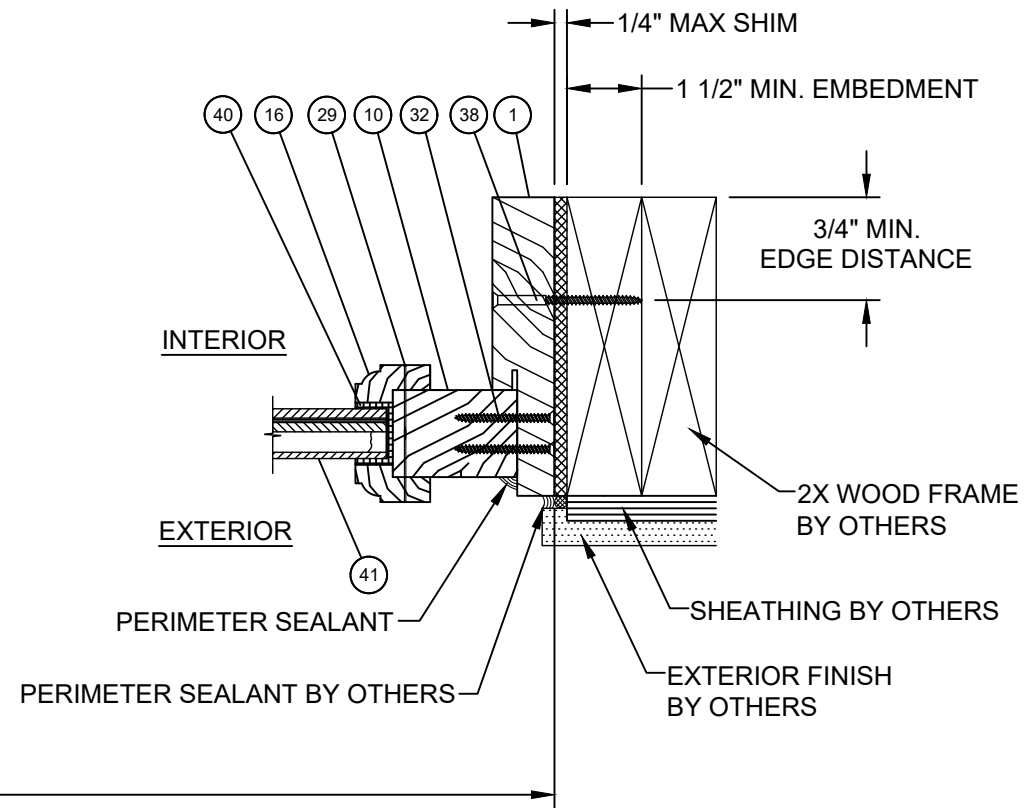
WOOD FRAME SUBSTRATE
OPAQUE SIDELITE JAMB



U

HORIZONTAL SECTION

CONCRETE / MASONRY SUBSTRATE
SIDELITE JAMB



V

HORIZONTAL SECTION

WOOD FRAME SUBSTRATE
SIDELITE JAMB

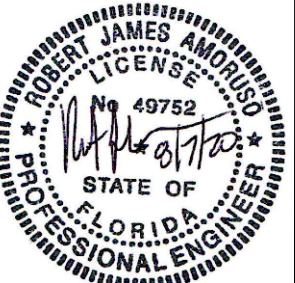
PROJECT #419-0909

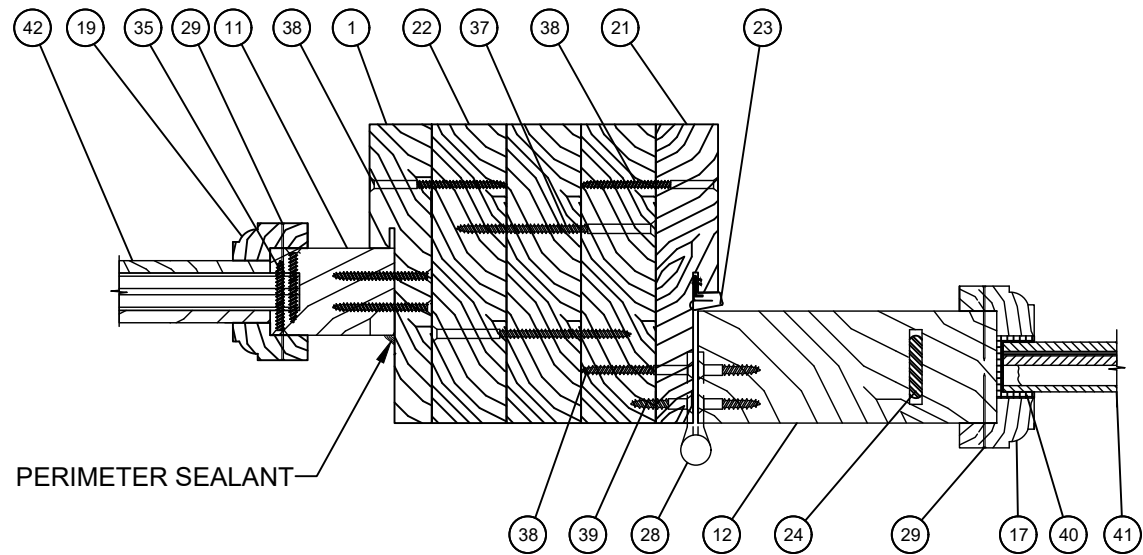
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
HORIZONTAL SECTIONS

DRAWN BY:	RJA	DATE:	8/7/20
SCALE:	N.T.S.	DRAWING NO.:	RW0064
REV:	---	SHEET:	14 OF 19

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

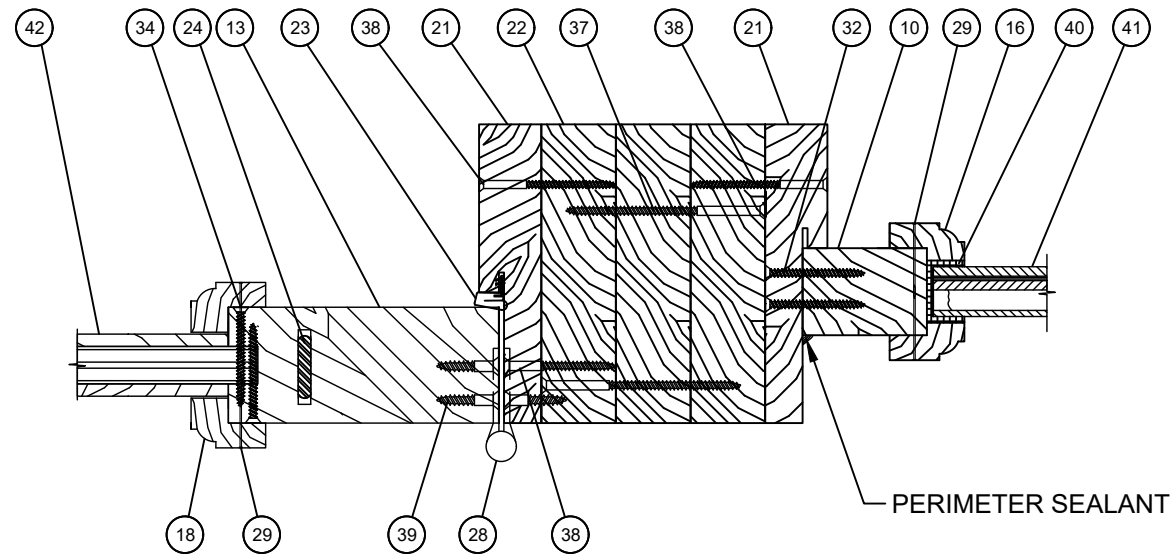




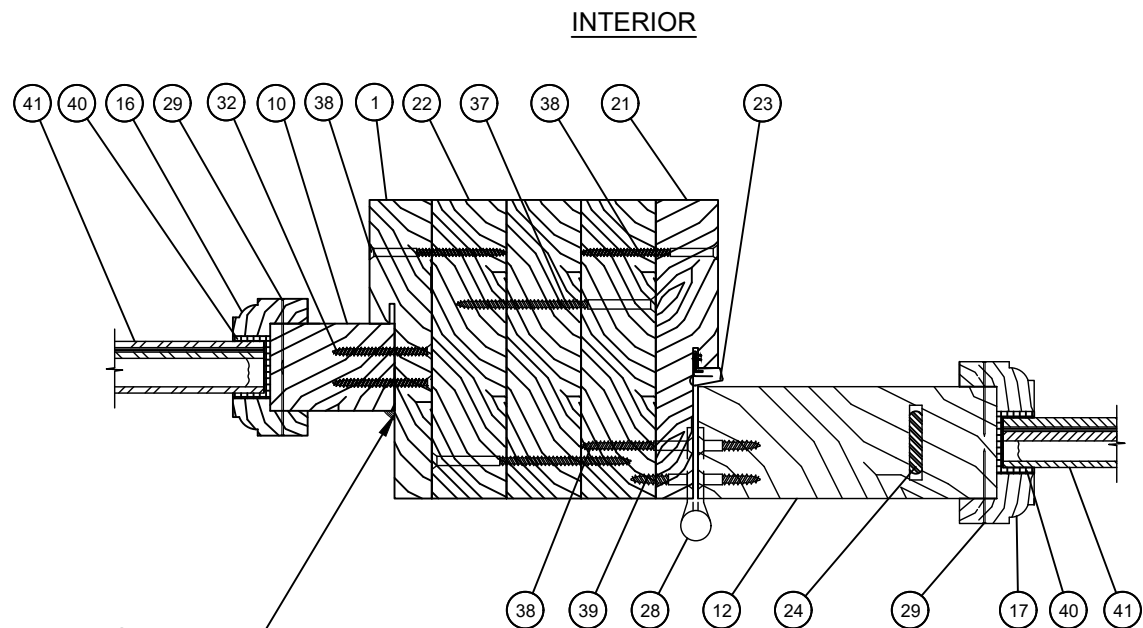
W HORIZONTAL SECTION
MULLION
OPAQUE SIDELITE /
GLAZED DOOR PANEL

INTERIOR

EXTERIOR



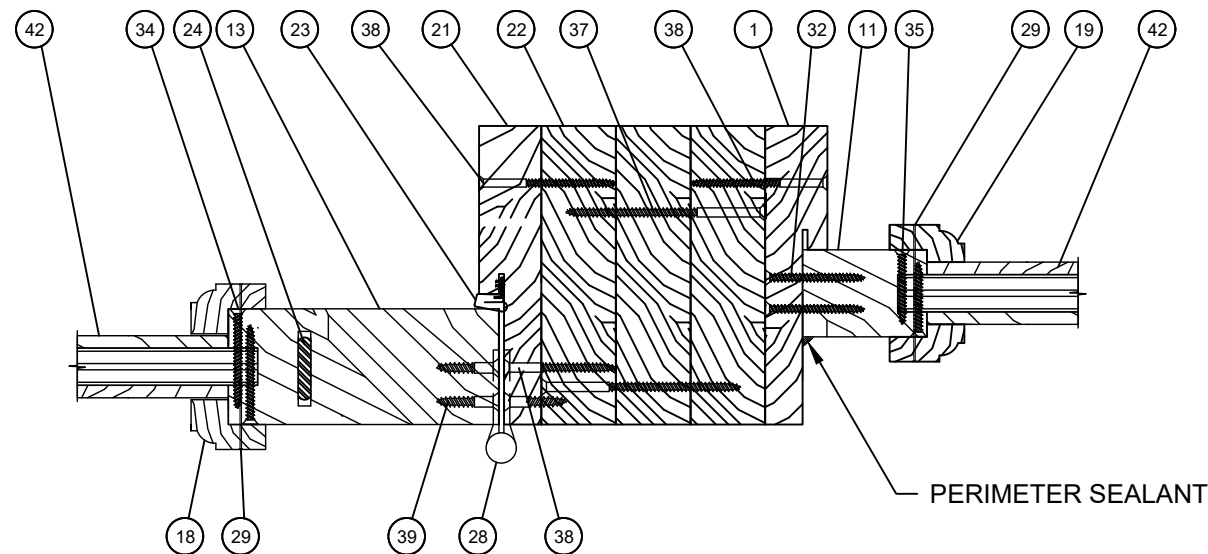
X HORIZONTAL SECTION
MULLION
OPAQUE DOOR PANEL /
GLAZED SIDELITE



Y HORIZONTAL SECTION
MULLION
GLAZED SIDELITE /
GLAZED DOOR PANEL

INTERIOR

EXTERIOR



Z HORIZONTAL SECTION
MULLION
OPAQUE DOOR PANEL /
OPAQUE SIDELITE

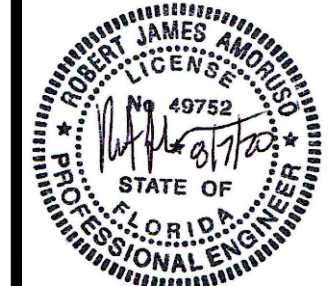
PROJECT #419-0909

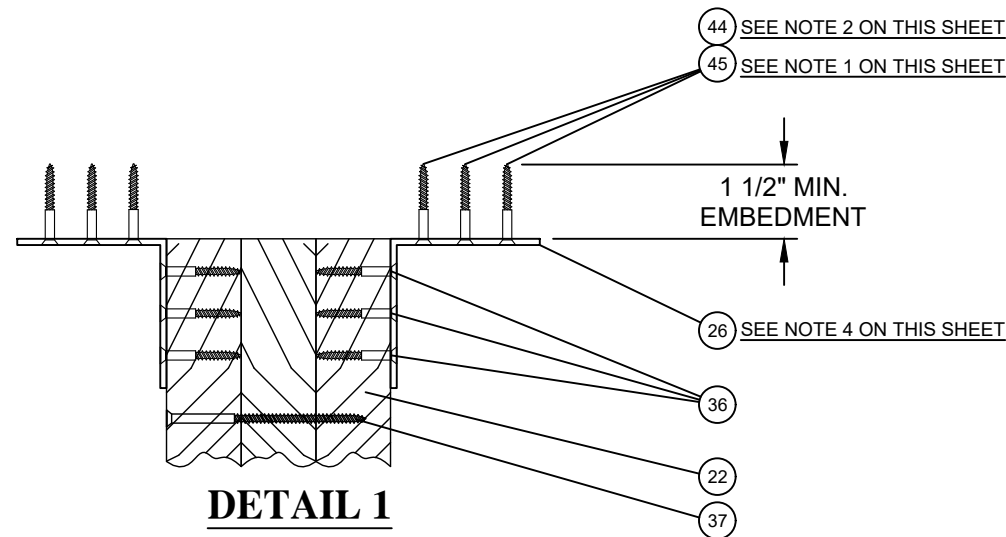
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
HORIZONTAL MULLION SECTIONS

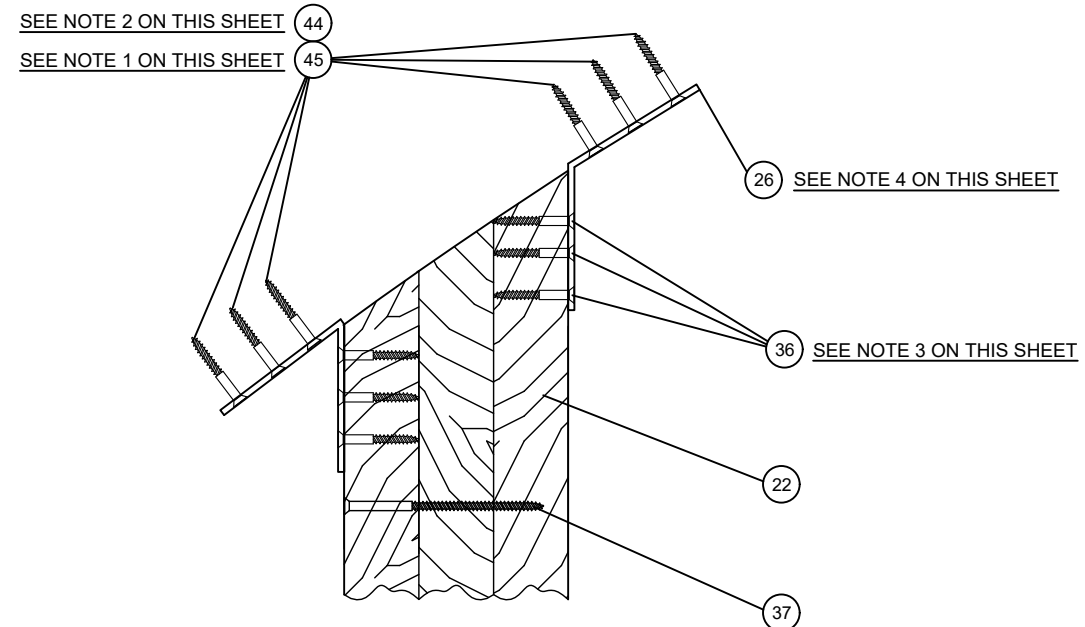
PREPARED BY:	DRAWN BY:	DATE:	DRAWING NO:	SHEET:
	RJA	8/7/20	RW0064	15 OF 19
PTC PRODUCT DESIGN GROUP, LLC PO BOX 52075 LONGWOOD, FLORIDA 32752 PHONE: 321.690.1788 FAX: 321.690.1789 EMAIL: info@ptc-corp.com	SCALE:	REV:		
	N.T.S.			

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





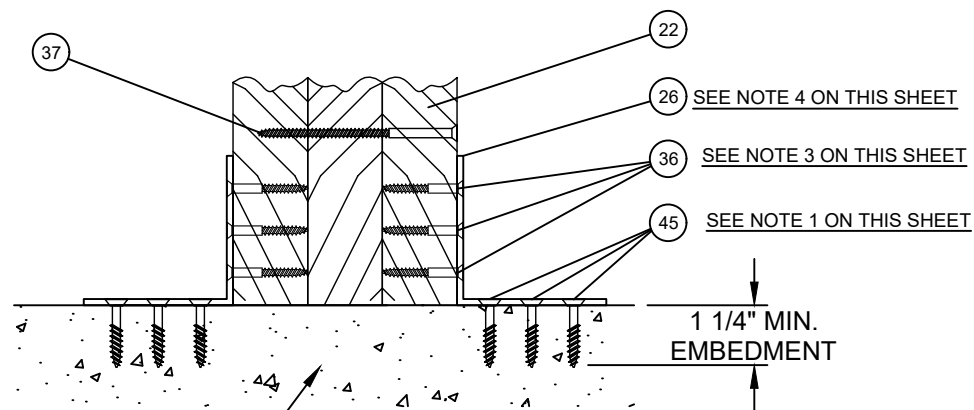
DETAIL 1



DETAIL 3

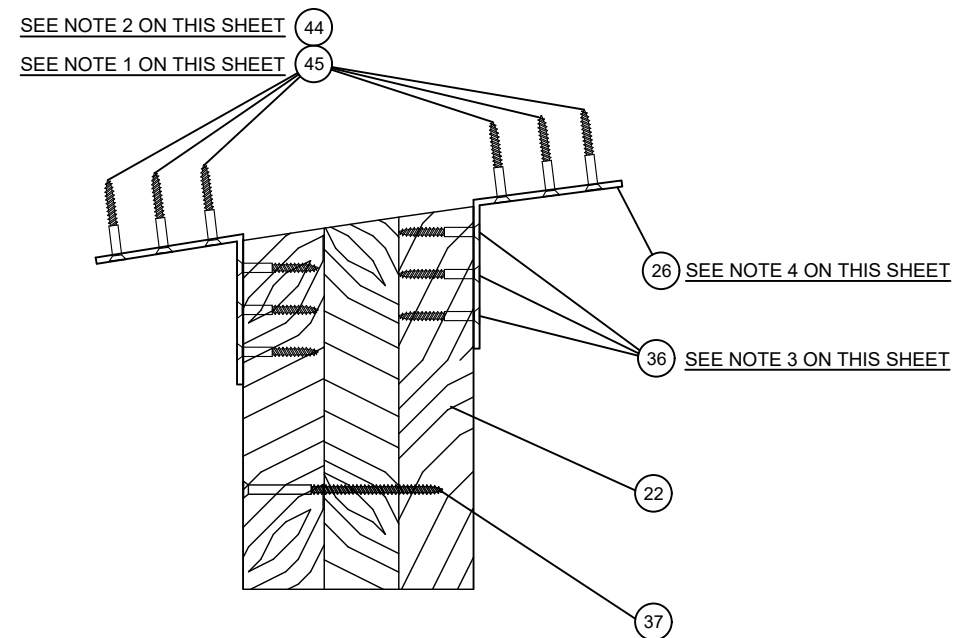
NOTES:

1. ATTACHMENT OF CLIP ANGLES TO CONCRETE SUBSTRATES ARE 1/4" FLAT HEAD POWERS TAPPERS.
2. ATTACHEMENT OF CLIP ANGLES TO WOOD SUBSTRATES ARE #12 FLAT HEAD WOOD SCREW
3. ATTACHMENT OF CLIP ANGLES TO MULLIONS ARE #10 X 1-1/4" FLAT HEAD WOOD SCREW
4. MULLION CLIP 1 SHOWN. MULLION CLIP 2 ALSO APPROVED FOR USE.



DETAIL 2
CONCRETE/ MASONRY
& HEAD

CONCRETE/MASONRY
BY OTHERS



DETAIL 4

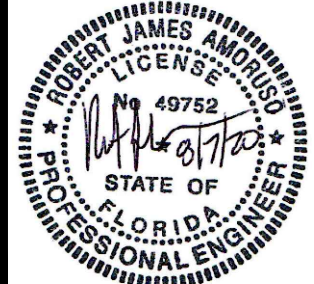
PROJECT #419-0909

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

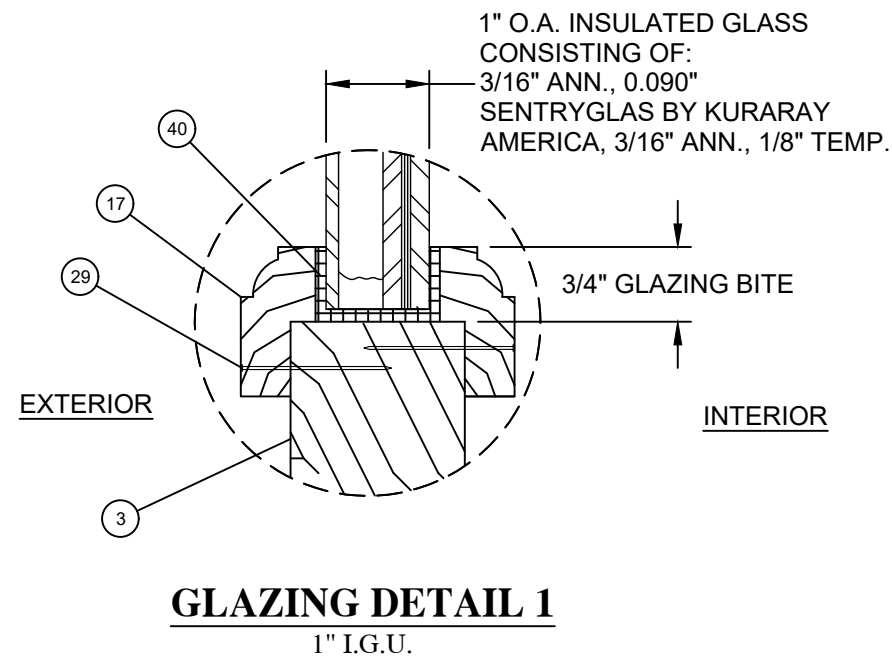
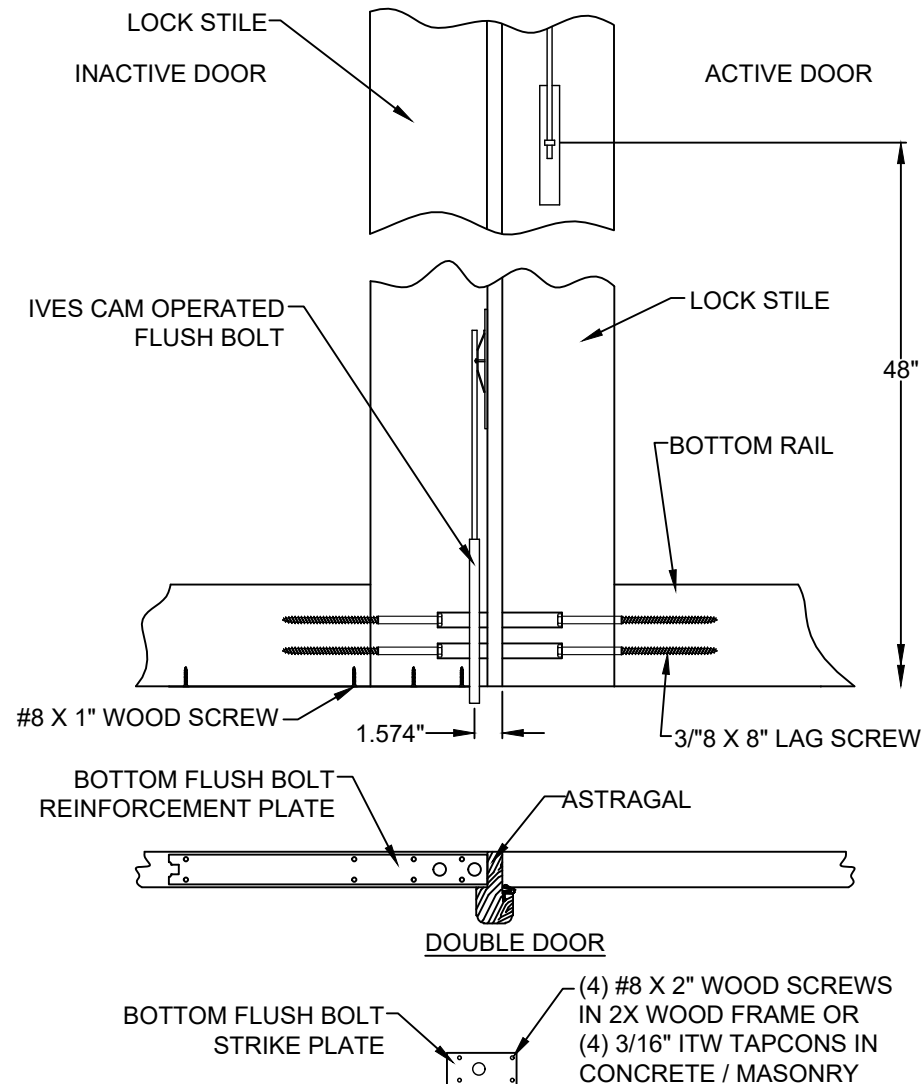
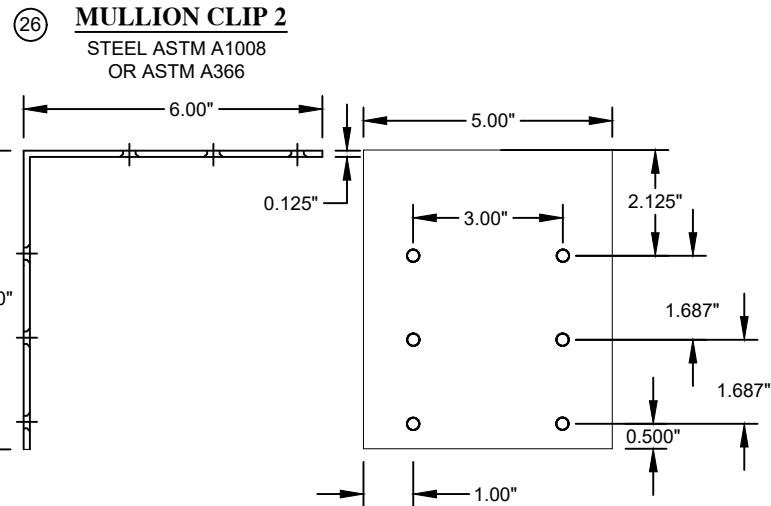
TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES
HORIZONTAL SECTIONS

DATE:	8/7/20
DRAWING NO:	RW0064
SCALE:	N.T.S.
REV:	---
SHEET:	16 OF 19

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

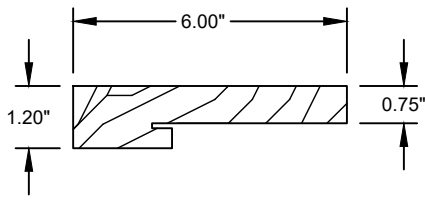


ITEM #	PART #	DESCRIPTION	MATERIAL
1		SIDELITE HEAD, SILL, JAMB FRAME	WOOD
2		TOP RAIL - GLAZED DOOR	WOOD
3		BOTTOM RAIL - GLAZED DOOR	WOOD
4		TOP RAIL - OPAQUE DOOR	WOOD
5		BOTTOM RAIL - OPAQUE DOOR	WOOD
6		TOP RAIL - GLAZED SIDELITE	WOOD
7		BOTTOM RAIL - GLAZED SIDELITE	WOOD
8		TOP RAIL - OPAQUE SIDELITE	WOOD
9		BOTTOM RAIL - OPAQUE SIDELITE	WOOD
10		SIDELITE STILE - GLAZED SIDELITE	WOOD
11		SIDELITE STILE - OPAQUE SIDELITE	WOOD
12		HINGE STILE - GLAZED DOOR	WOOD
13		HINGE STILE - OPAQUE DOOR	WOOD
14		LOCK STILE - GLAZED DOOR	WOOD
15		LOCK STILE - OPAQUE DOOR	WOOD
16		GLAZING BEAD - GLAZED SIDELITE	WOOD
17		GLAZING BEAD - GLAZED DOOR	WOOD
18		PANEL STOP - OPAQUE DOOR	WOOD
19		PANEL STOP - OPAQUE SIDELITE	WOOD
20		ASTRAGAL	WOOD
21		MAIN DOOR HEAD, & JAMB FRAME	WOOD
22		4.5" x 6" VERTICAL MULLION	WOOD
23		QLON WEATHERSTRIP	VINYL / FOAM
24		1/4" X 1 1/4" REINFORCEMENT	STEEL ASTM A1008 OR ASTM A366
25		DELTANA 18EFB OR IVE'S 458 EXTENSION FLUSH BOLT	STEEL
26		MULLION CLIP 1 AND MULLION CLIP 2	STEEL ASTM A1008 OR ASTM A366
27		OUTSWING THRESHOLD	WOOD / 6063-T5 ALUMINUM
28		4" X 4" HINGE	STEEL
29		8 GA. BRAD NAIL	STEEL
30		3/8" X 8" LAG BOLT	STEEL
31		1/4" ITW TAPCON INSTALLATION ANCHOR	STEEL
32		#8 X 2" WOOD SCREW	STEEL
33		#8 X 3/4" WOOD SCREW	STEEL
34		#9 X 2" COARSE THREADWOOD SCREW	STEEL
35		#9 X 1 1/2" COARSE THREAD WOOD SCREW	STEEL
36		#10 X 1 1/4" WOOD SCREW	STEEL
37		#10 X 4" WOOD SCREW	STEEL
38		#10 WOOD SCREW - INSTALLATION ANCHOR	STEEL
39		#12 X 1 1/4" WOOD SCREW	STEEL
40		DOW 995	SILICONE
41		I.G.U. - SEE GLAZING DETAILS ON THIS SHEET	GLASS
42		OPAQUE PANEL-SEE PANEL DETAILS ON THIS SHEET	WOOD
43		TESTED HARDWARE: EMTEK SERIES 3300 MORTISE LOCK, EMTEK SERIES 4400 CYLINDRICAL LOCK W/ EMTEK SERIES 8400 DEADBOLT, BALDWIN SERIES 6000 MORTISE LOCK, GU EUROPA R2 SERIES MULTI-POINT LOCKING HARDWARE	STEEL
44		#12 WOOD SCREW - INSTALLATION ANCHORS @ MULL CLIPS	STEEL
45		1/4" POWERS TAPPER INSTALLATION ANCHOR @ MULL CLIPS	STEEL
46		#8 X 1" WOOD SCREW	STEEL

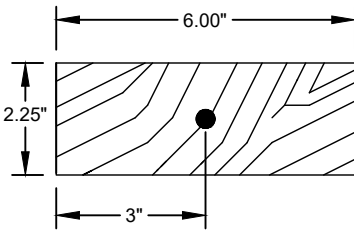


Real Woods Inc. 1230 N. East Ave Sarasota, FL 34237		PROJECT #419-0909	
TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES BILL OF MATERIALS, GLAZING DETAILS & FLUSH BOLT DETAIL			
PREPARED BY:		DRAWN BY: RJA	DATE: 8/7/20
		SCALE: N.T.S.	DRAWING NO: RW00064
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520715 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		REV: ---	SHEET: 17 OF 19
		REV	DESCRIPTION
		DATE	BY

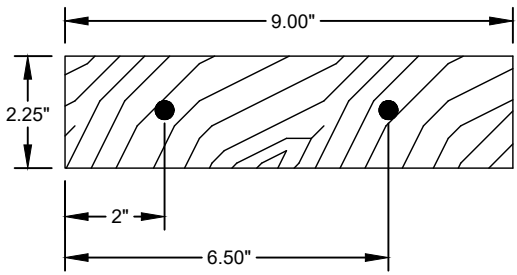
① **SIDELITE HEAD, SILL, JAMB**
WOOD (0.44 MIN. S.G.)



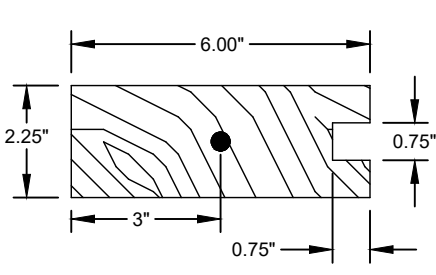
② **TOP RAIL - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



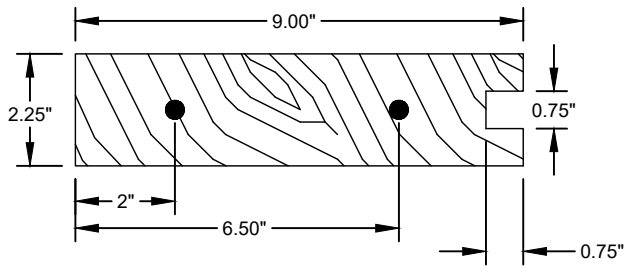
③ **BOTTOM RAIL - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



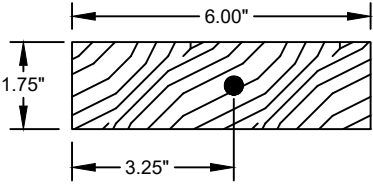
④ **TOP RAIL - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



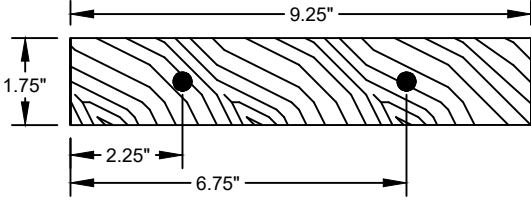
⑤ **BOTTOM RAIL - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



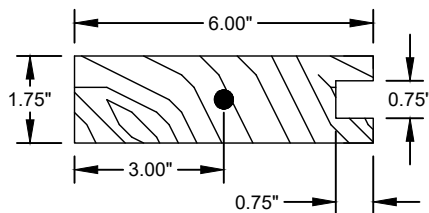
⑥ **TOP RAIL - GLAZED SIDELITE**
WOOD (0.44 MIN. S.G.)



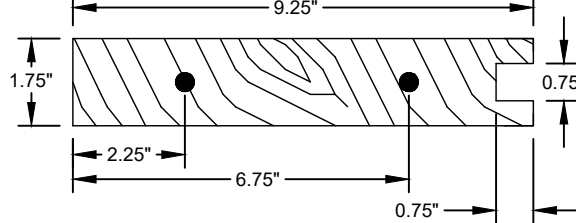
⑦ **BOTTOM RAIL - GLAZED SIDELITE**
WOOD (0.44 MIN. S.G.)



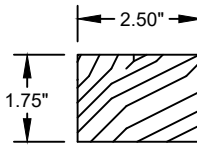
⑧ **TOP RAIL - OPAQUE SIDELITE**
WOOD (0.44 MIN. S.G.)



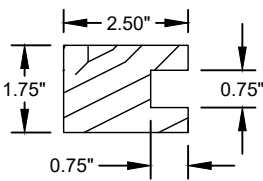
⑨ **BOTTOM RAIL - OPAQUE SIDELITE**
WOOD (0.44 MIN. S.G.)



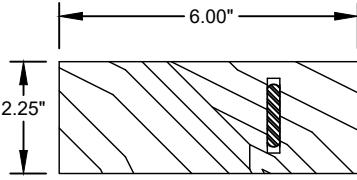
⑩ **STILE - GLAZED SIDELITE**
WOOD (0.44 MIN. S.G.)



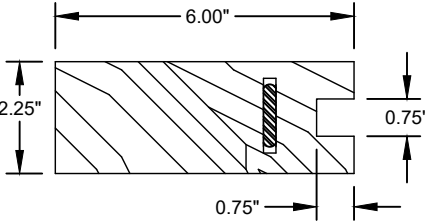
⑪ **STILE - OPAQUE SIDELITE**
WOOD 0.44 MIN. S.G.



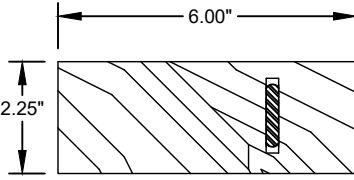
⑫ **HINGE STILE - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



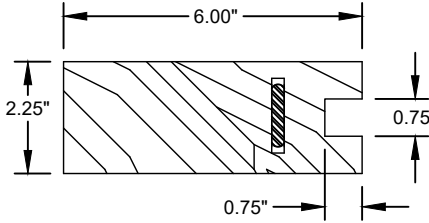
⑬ **HINGE STILE - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



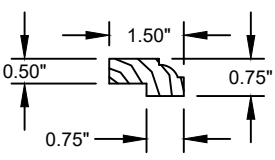
⑭ **LOCK STILE - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



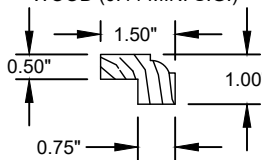
⑮ **LOCK STILE - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



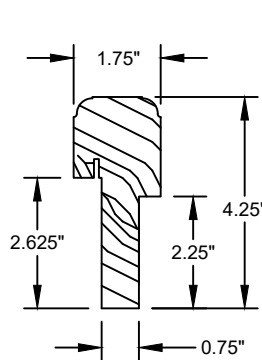
⑯ **GLAZING BEAD - SIDELITE**
WOOD (0.44 MIN. S.G.)



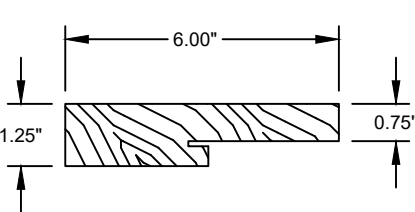
⑰ **PANEL STOP - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



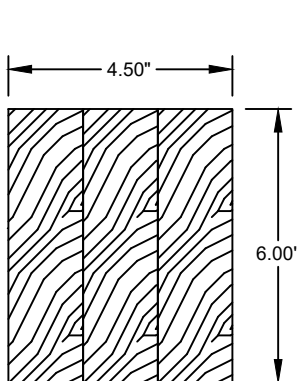
⑱ **ASTRAGAL**
WOOD (0.44 MIN. S.G.)



⑲ **DOOR FRAME JAMB**
WOOD



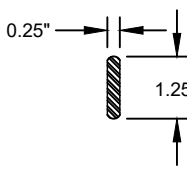
⑳ **4.5" VERTICAL MULLION**
(WOOD 0.44 MIN. S.G.)



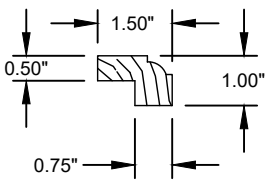
㉑ **WEATHERSTRIP**
VINYL / FOAM



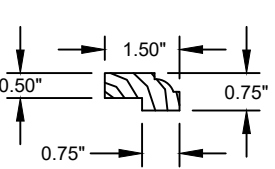
㉒ **1/4" X 1 1/4" REINFORCEMENT**
STEEL ASTM A1008
OR ASTM A366



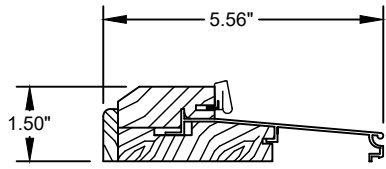
㉓ **GLAZING BEAD - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



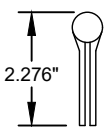
㉔ **PANEL STOP - OPAQUE SIDELITE**
WOOD (0.44 MIN. S.G.)



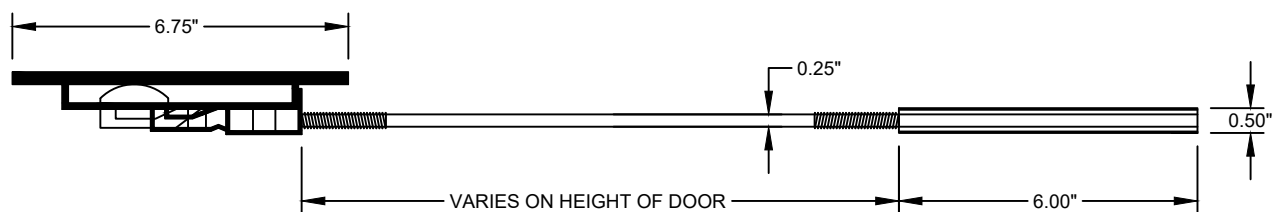
㉕ **OUTSWING THRESHOLD**
6063-T5 ALUMINUM /
WOOD



㉖ **4" X 4" HINGE**
STEEL



㉗ **DELTANA 18EFB EXTENSION FLUSH BOLT OR
IVE'S 458 EXTENSION FLUSHBOLT**
STEEL



PROJECT #419-0909

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES

COMPONENTS

DRAWN BY: RJA

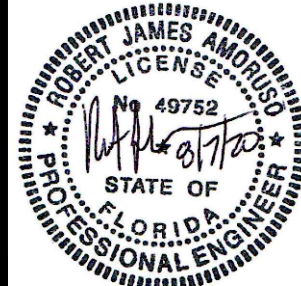
DATE: 8/7/20

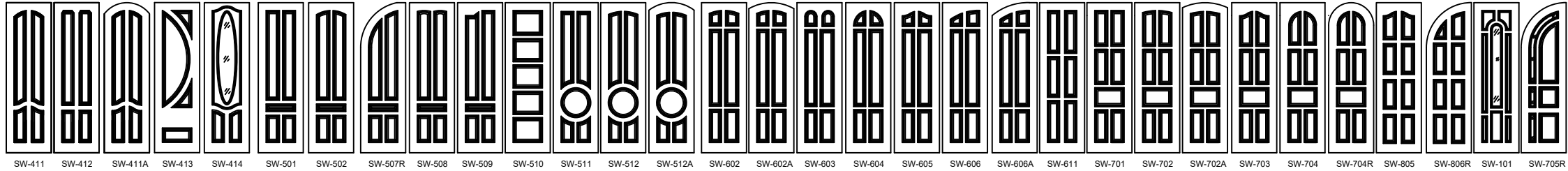
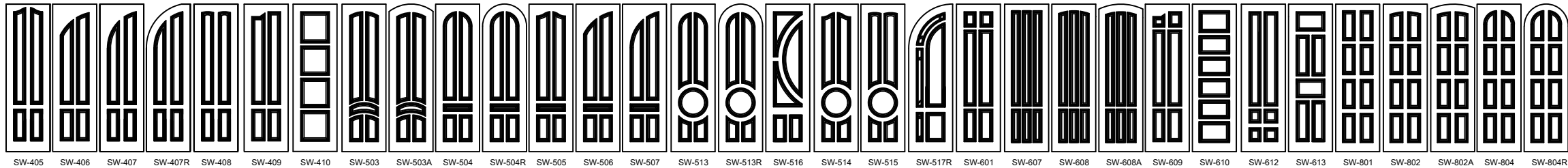
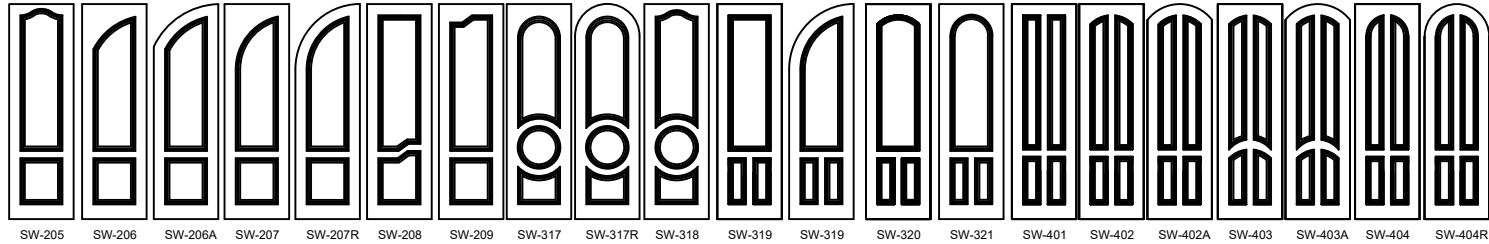
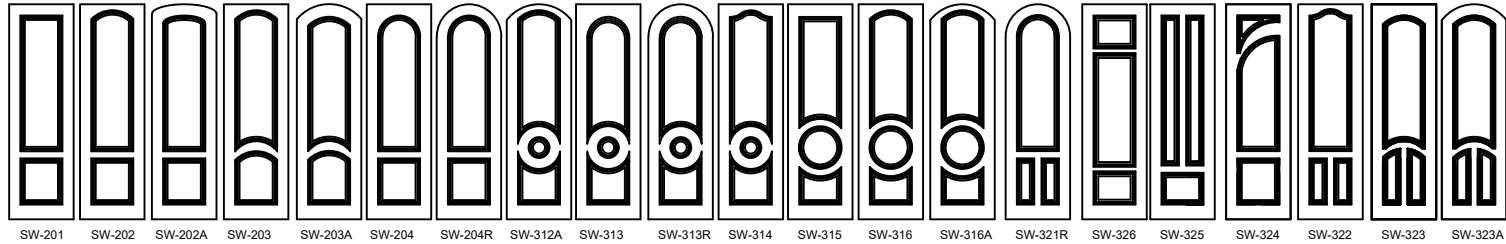
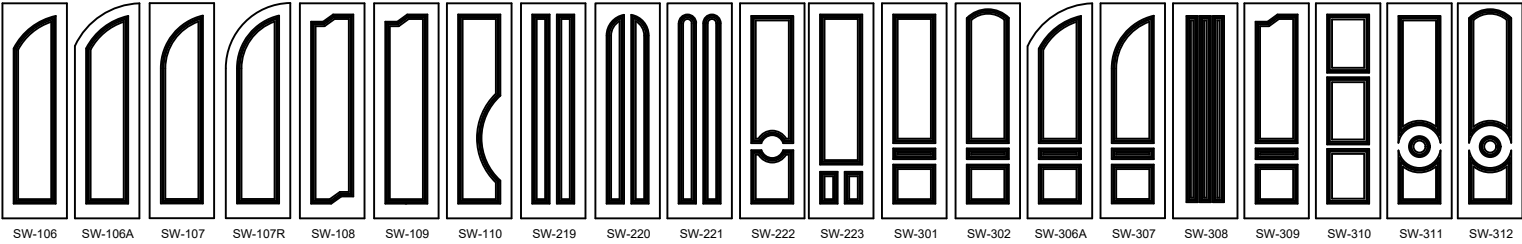
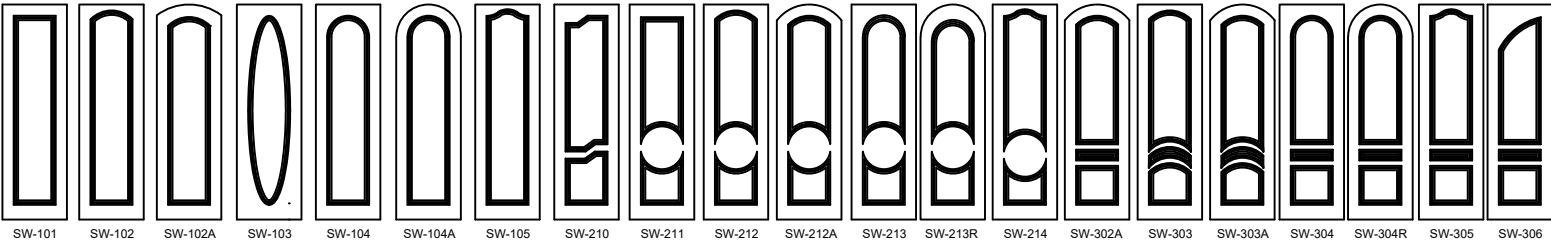
DRAWING NO: RW0064

SHEET: 18 OF 19

REV: ---

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





OPTIONAL CONFIGURATIONS
ACTUAL PANEL DESIGN NOT LIMITED
TO THESE CONFIGURATIONS ILLISTRATED

PROJECT #419-0909

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE DOUBLE DOOR W & W/O SIDELITES

OPTIONAL CONFIGURATIONS

DATE: 8/7/20

DRAWING NO: RW0064

SHEET: 19 OF 19

BY

DATE

PREPARED BY: RJA

SCALE: N.T.S.

REV: ---

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 52075
LONGWOOD, FLORIDA 32752
PHONE: 321.690.1788
FAX: 321.690.1789
EMAIL: info@ptc-corp.com

ROBERT JAMES AMORUSO

FLORIDA PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 49752

DATE: 8/7/20