

REAL WOODS LLC

2 1/4" IMPACT OUTSWING GLAZED & OPAQUE

SINGLE 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. 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 IMPACTPROTECTIVE 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 THE 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

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 IVE'S 458

EXTENSION FLUSH BOLT

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL AND INSTALLATION NOTES & DP CHART
2	"X" ELEVATION AND ANCHOR LAYOUT
3	"OXO" ELEVATION AND ANCHOR LAYOUT
4	VERTICAL SECTIONS
5	VERTICAL SECTIONS
6	VERTICAL SECTIONS
7	VERTICAL MULLION SECTIONS
8	HORIZONTAL SECTIONS
9	HORIZONTAL SECTIONS
10	HORIZONTAL SECTIONS
11	HORIZONTAL SECTIONS
12	HORIZONTAL SECTIONS
13	BILL OF MATERIALS, GLAZING DETAILS & FLUSH BOLT DETAIL
14	COMPONENTS
15	APPROVED CONFIGURATIONS

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

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

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

PREPARED BY: RJA
DATE: 8/7/20
DRAWING NO: RW0062
SHEET: 1 OF 15

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 52075
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

REV: ---

DATE

DESCRIPTION

BY

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

PROFESSIONAL ENGINEER

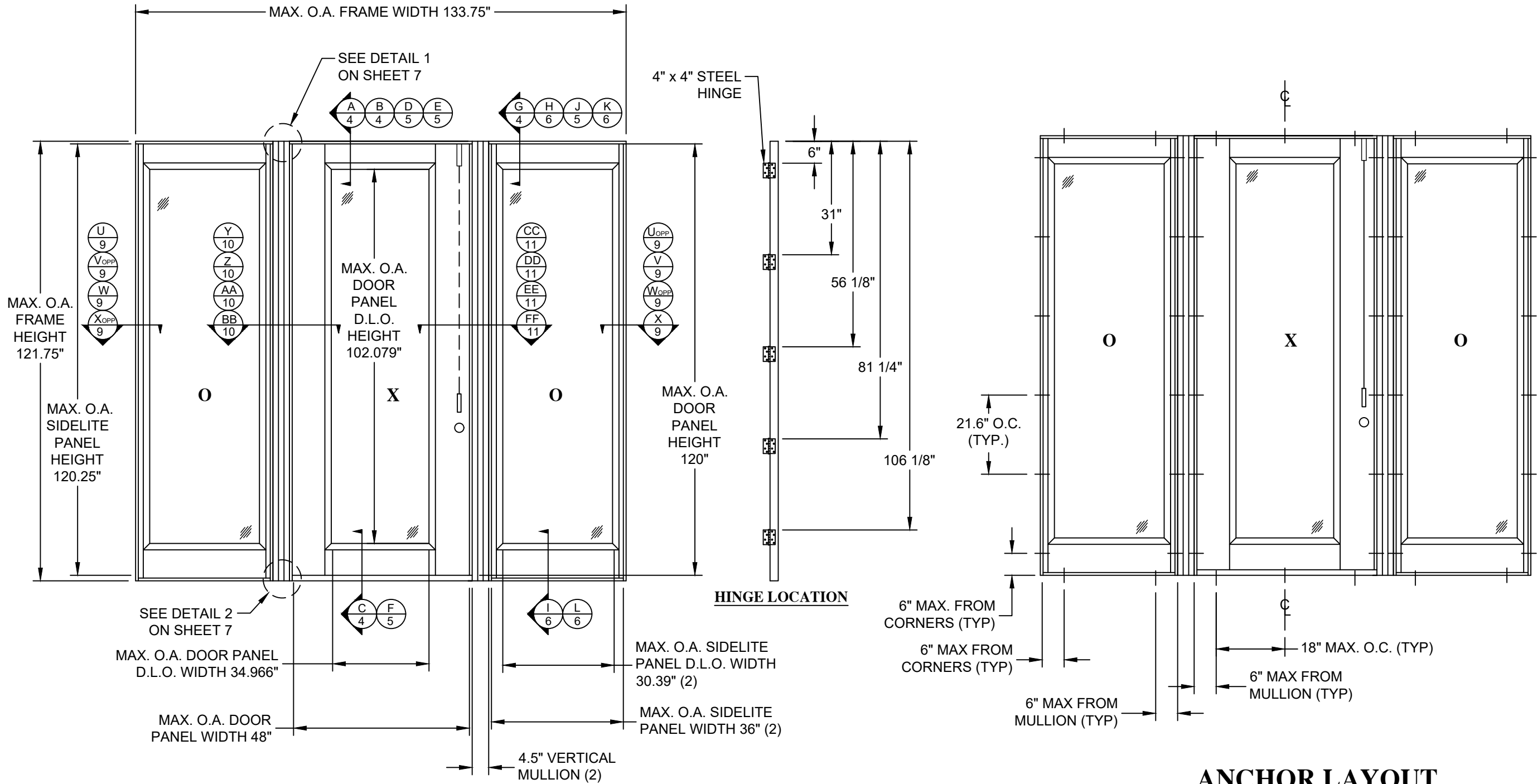
FLORIDA

STATE OF

49752

ROBERT JAMES AMORUSO

LICENSE

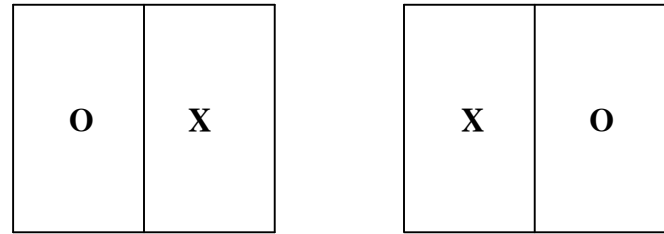


ELEVATION

SINGLE DOOR W / SIDELITES (OXO)
(XO & OX ARE QUALIFIED CONFIGURATIONS)
EXTERIOR VIEW

QUALIFIED CONFIGURATIONS

SINGLE DOOR W/ SIDELITE



NOTES:
FOR ANCHORS LOCATED ON DOOR JAMB TO SUBSTRATE
FOR OX & XO DOORS, USE SAME ANCHOR TYPE & SPACING
AS INDICATED FOR SIDELITES

ANCHOR LAYOUT

SINGLE DOOR W / SIDELITES (OXO)
(XO & OX ARE QUALIFIED CONFIGURATIONS)
EXTERIOR VIEW

PROJECT #419-0909

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

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE SINGLE DOORS W & W/O SIDELITES
"OXO" ELEVATION & ANCHOR LAYOUT

PREPARED BY:

DRAWN BY: RJA

DATE: 8/7/20

SCALE: N.T.S.

DRAWING NO: RW0062

SHEET: 3 OF 15

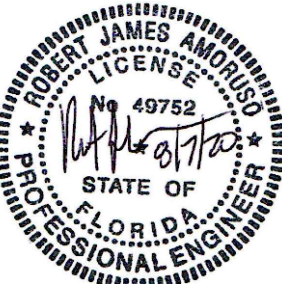
REV:

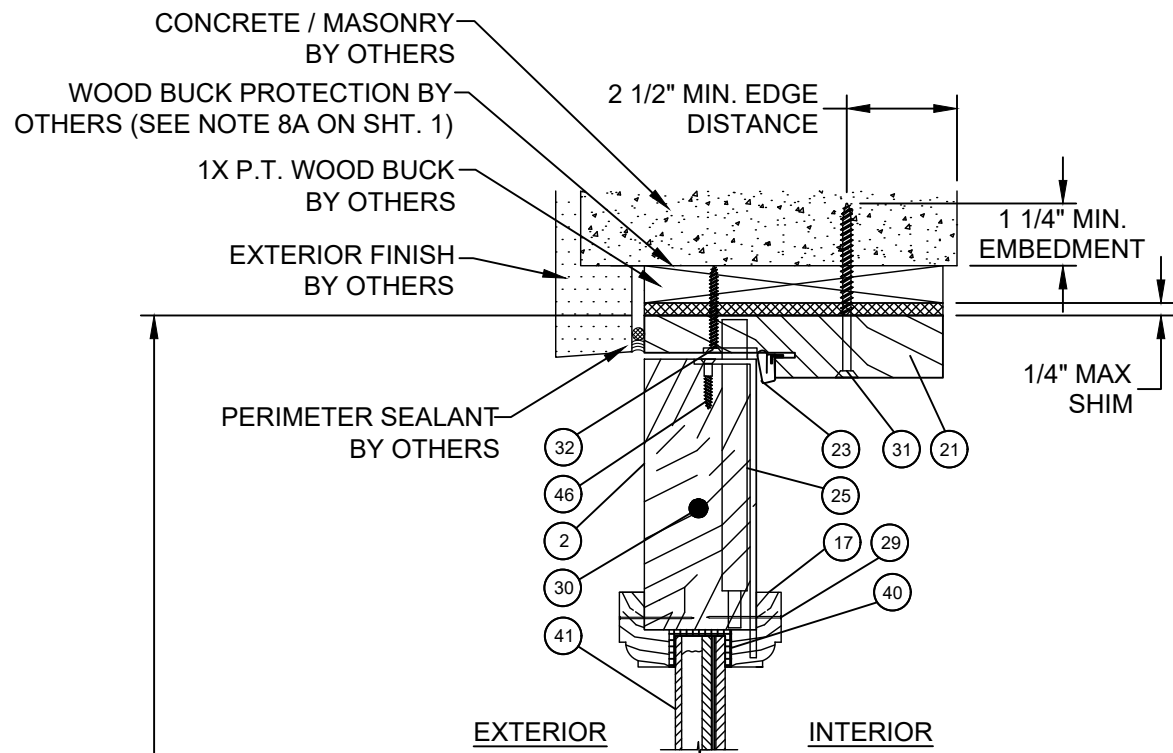
DESCRIPTION

DATE

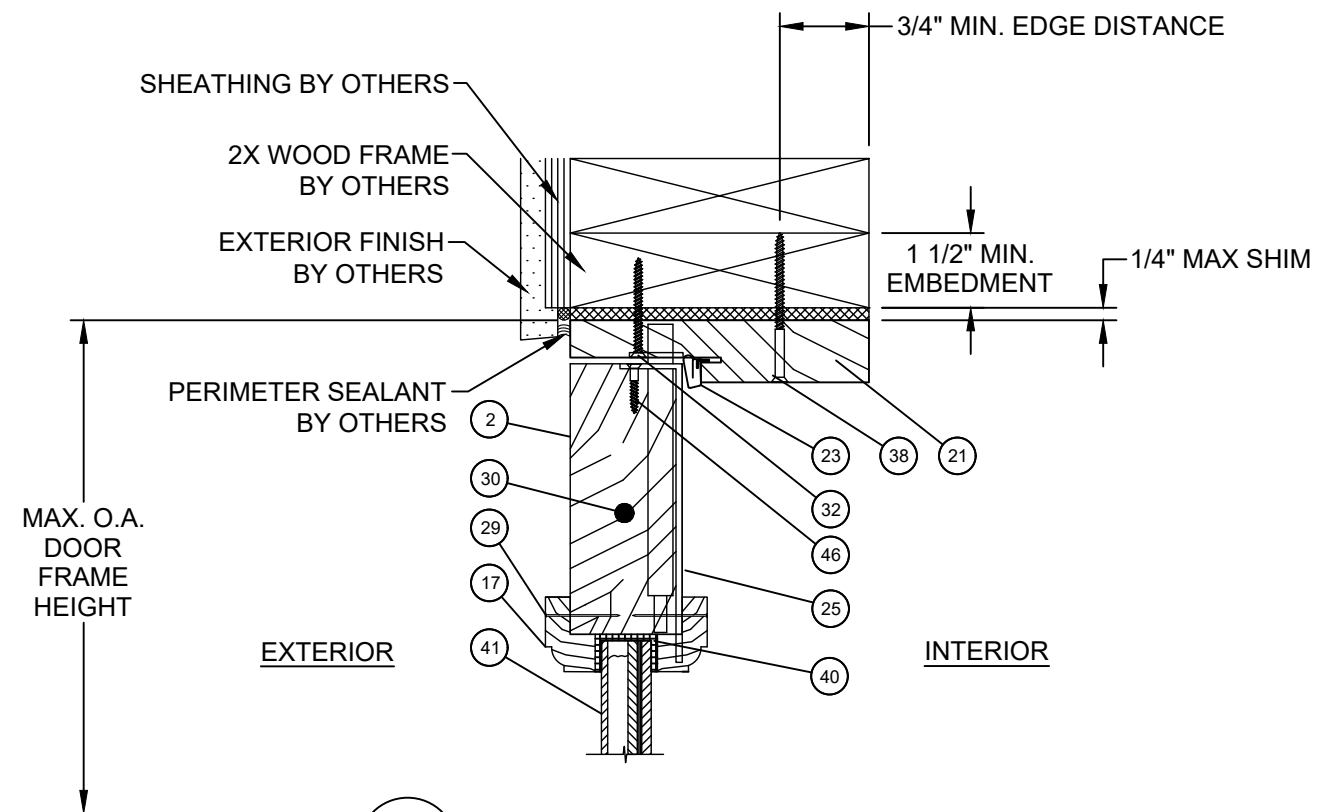
BY

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



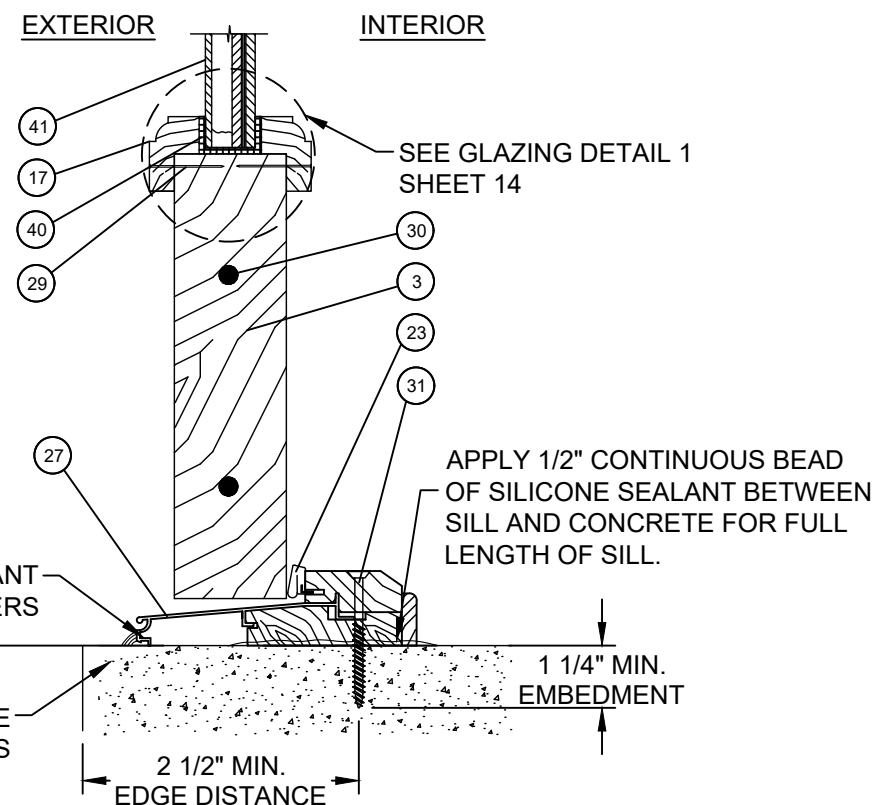


A VERTICAL SECTION
GLAZED DOOR AT HEAD
CONCRETE / MASONRY SUBSTRATE

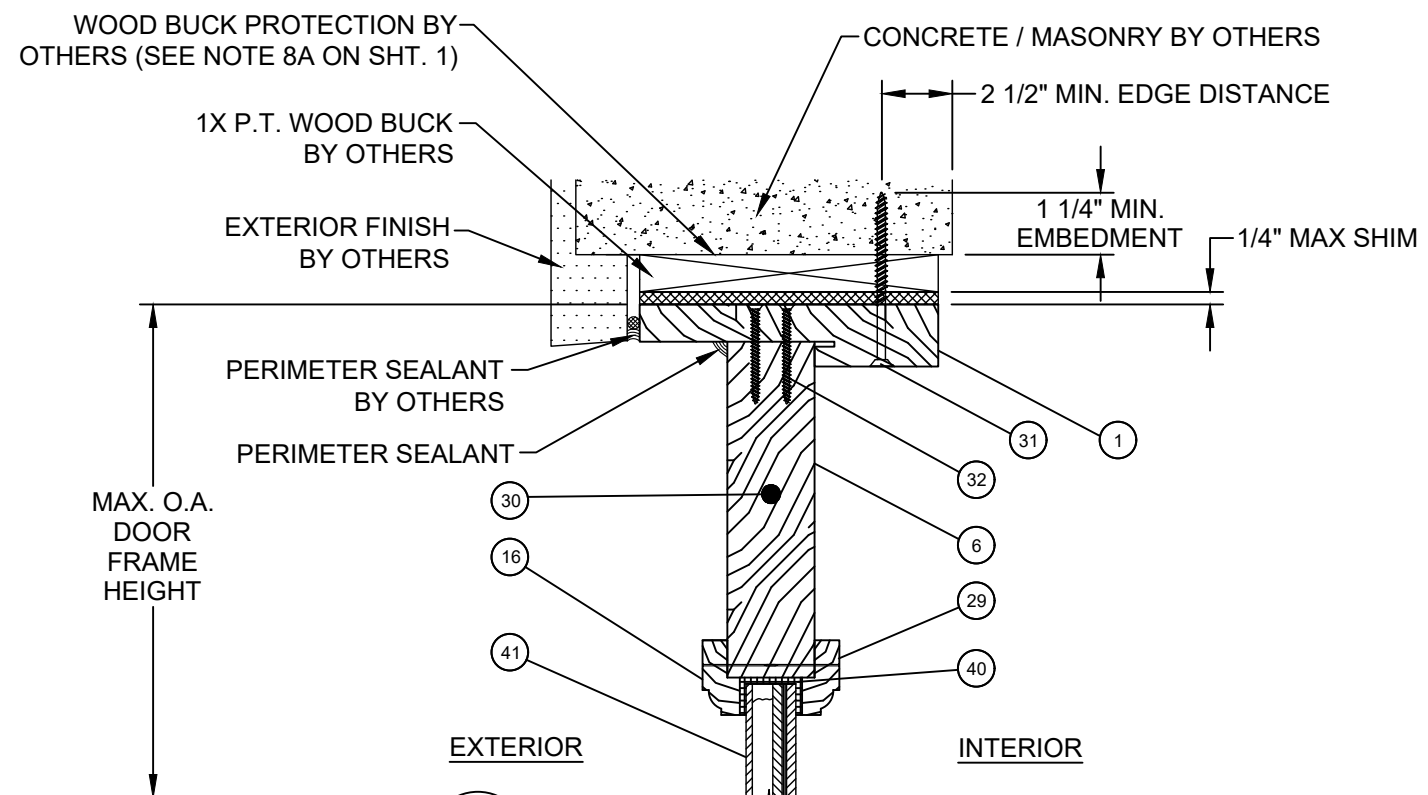


B VERTICAL SECTION
GLAZED DOOR AT HEAD
WOOD FRAME SUBSTRATE

MAX. O.A.
DOOR
FRAME
HEIGHT



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



G VERTICAL SECTION
GLAZED SIDELITE AT HEAD
CONCRETE / MASONRY SUBSTRATE

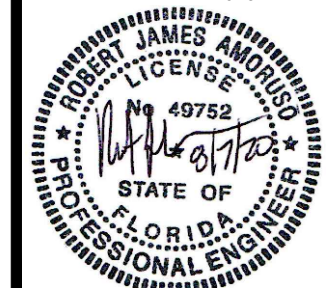
PROJECT #419-0909

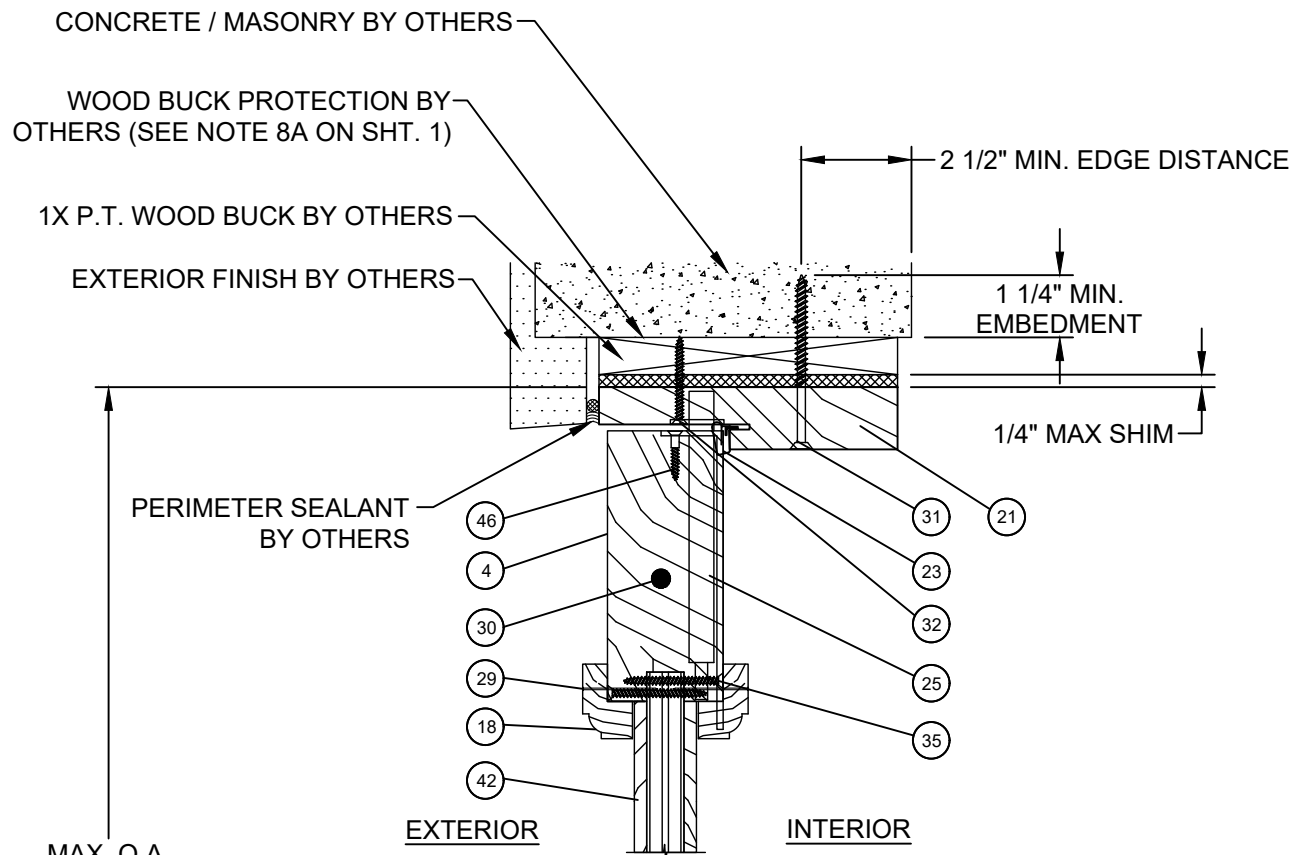
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

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

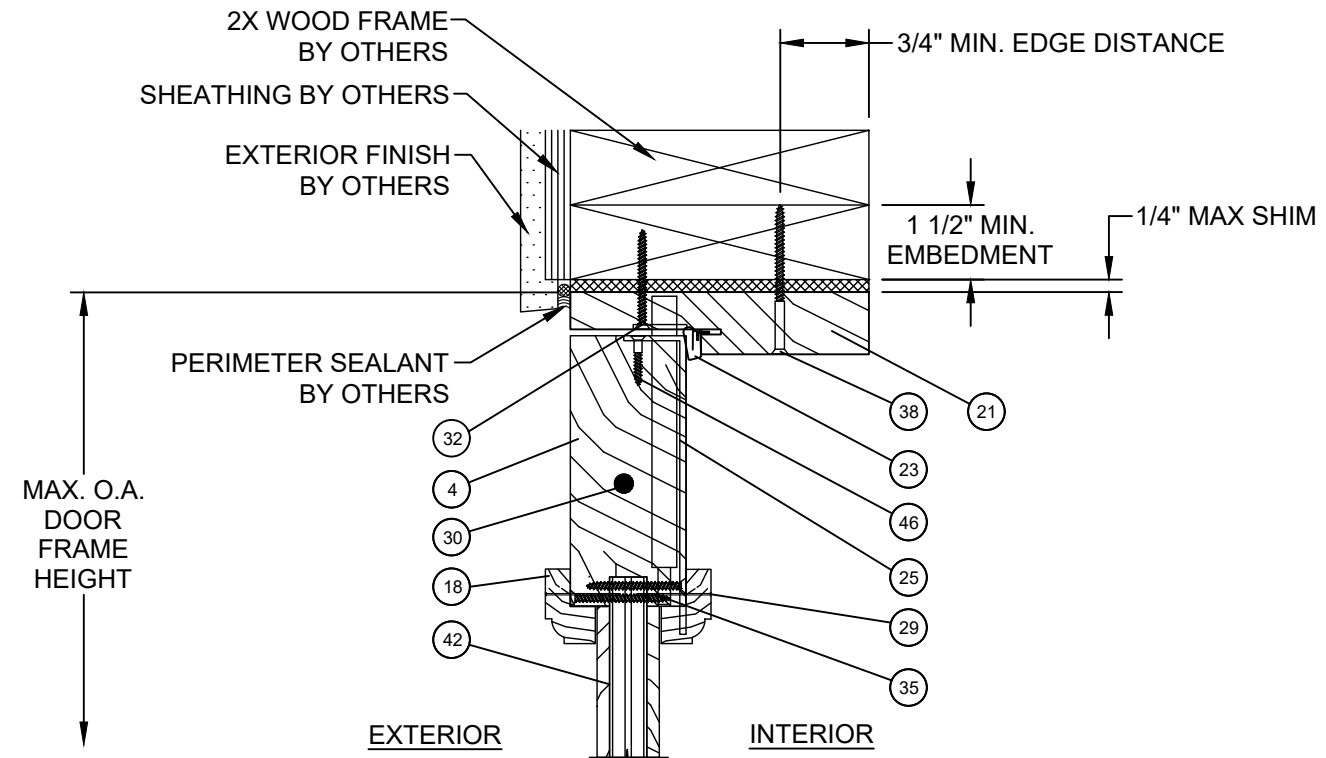
DATE:	8/7/20
DRAWING NO:	RW0062
SCALE:	N.T.S.
REV:	---
SHEET:	4 OF 15

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

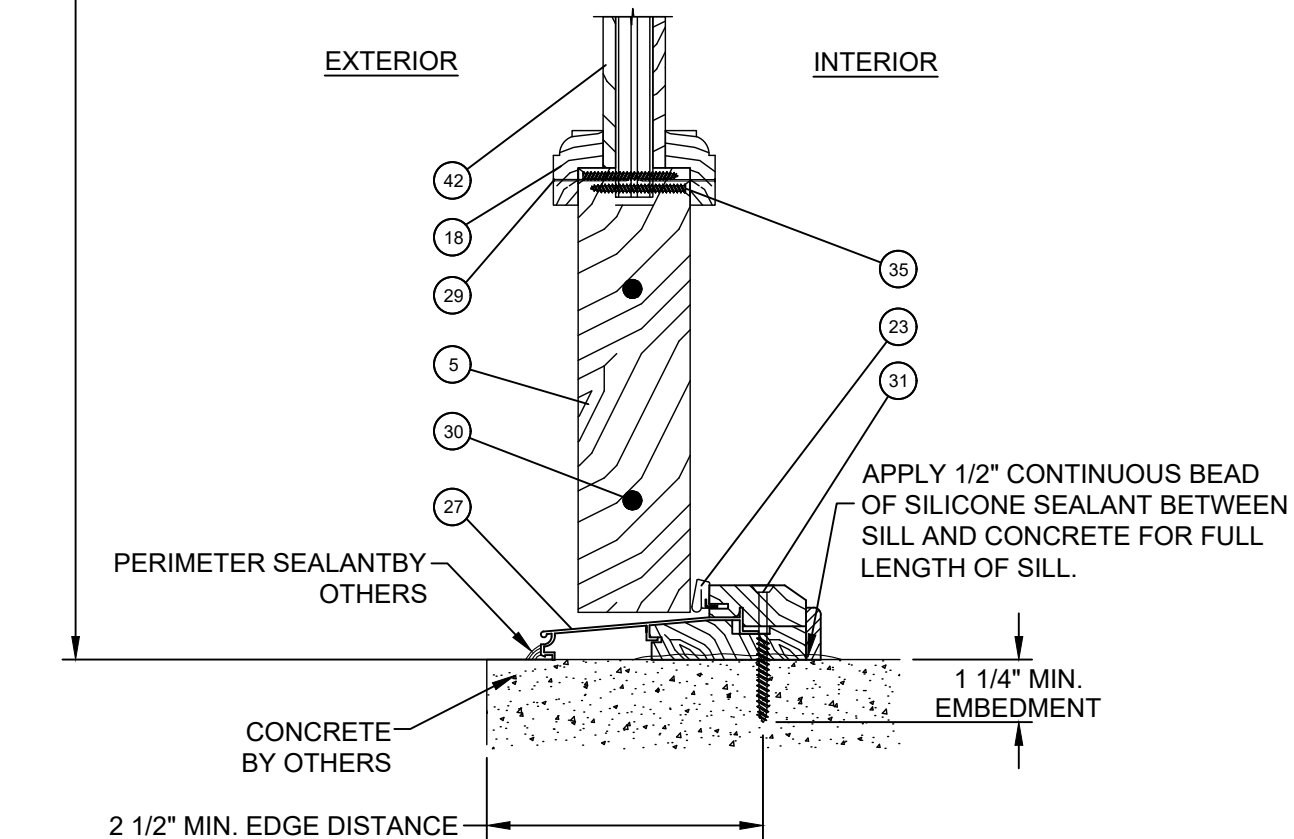




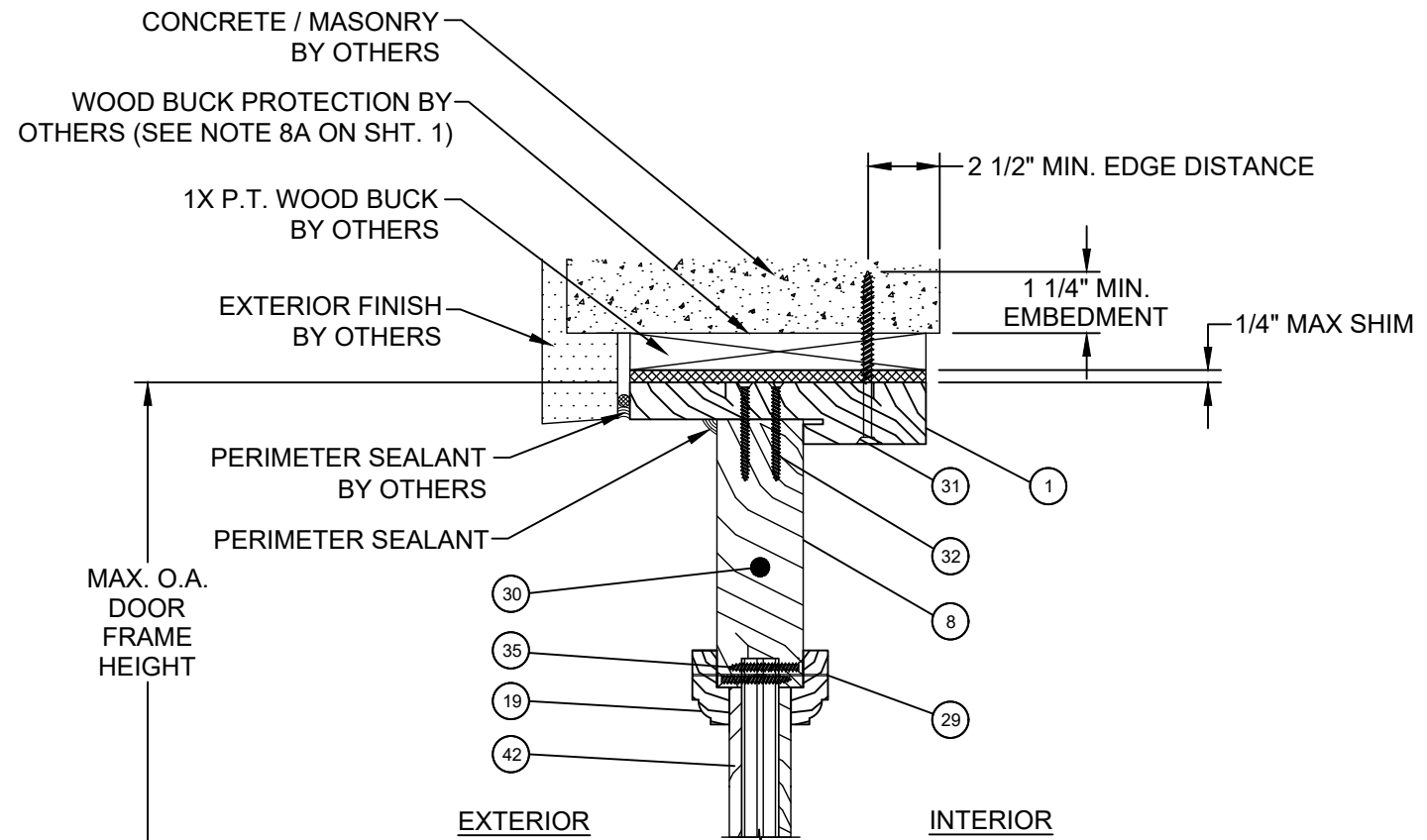
D **VERTICAL SECTION**
OPAQUE DOOR AT HEAD
CONCRETE / MASONRY SUBSTRATE



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

PROJECT #419-0909

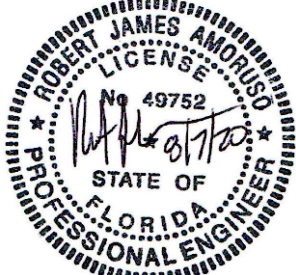
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

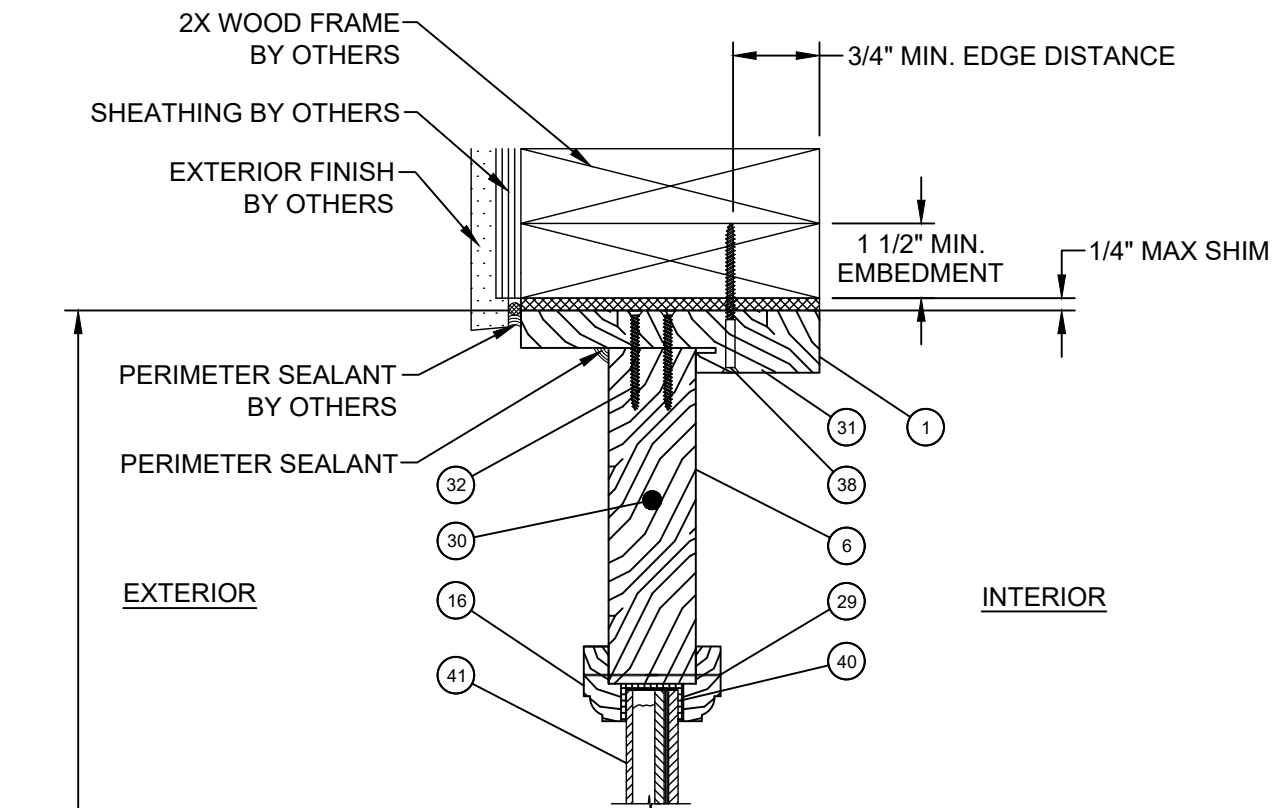
TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE SINGLE DOORS W & W/O SIDELITES
VERTICAL SECTIONS

DATE:	8/7/20
DRAWING NO:	RW0062
SCALE:	N.T.S.
SHEET:	5 OF 15
REV:	---

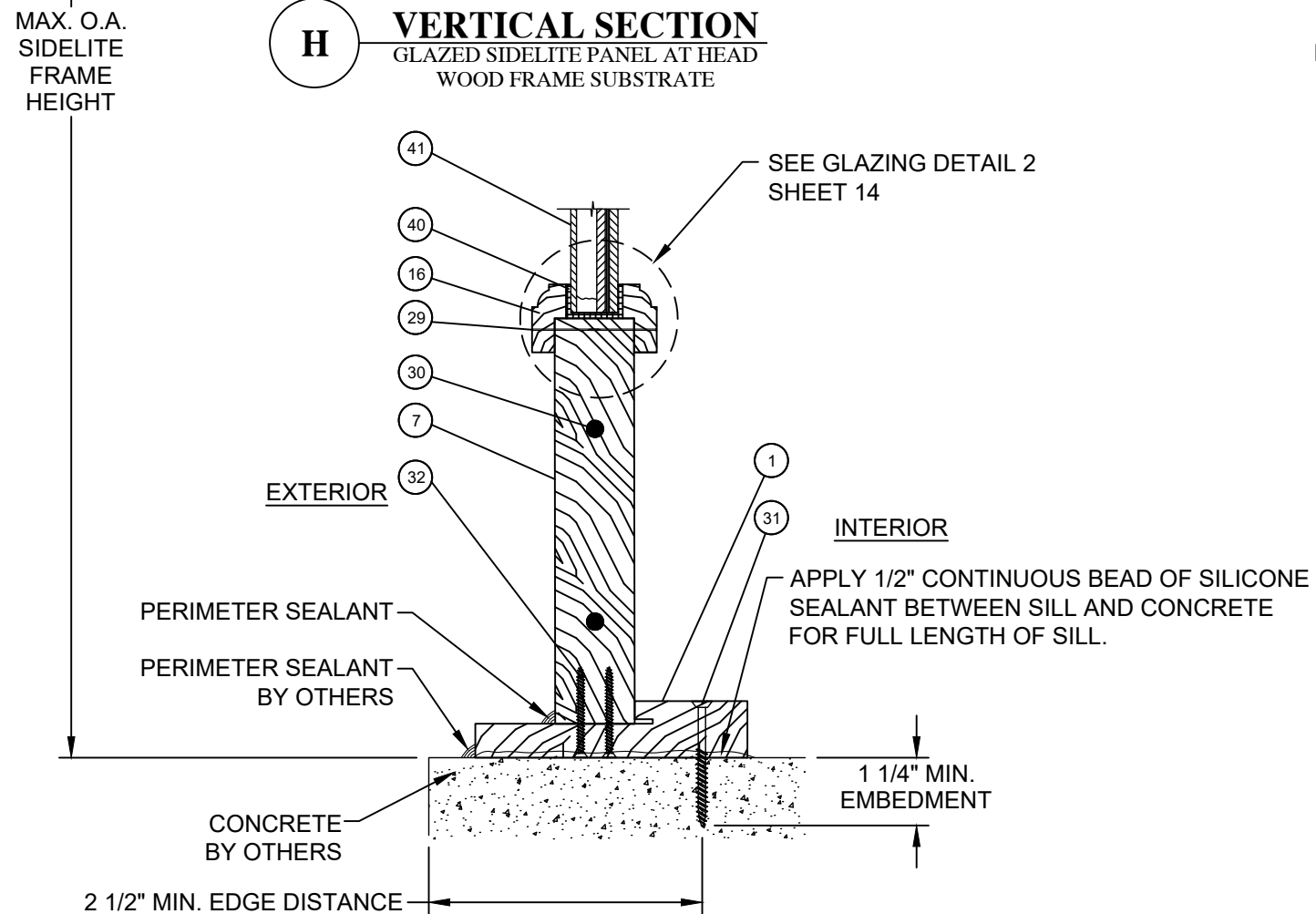


Robert J. Amoruso, P.E.
Florida P.E. No. 49752

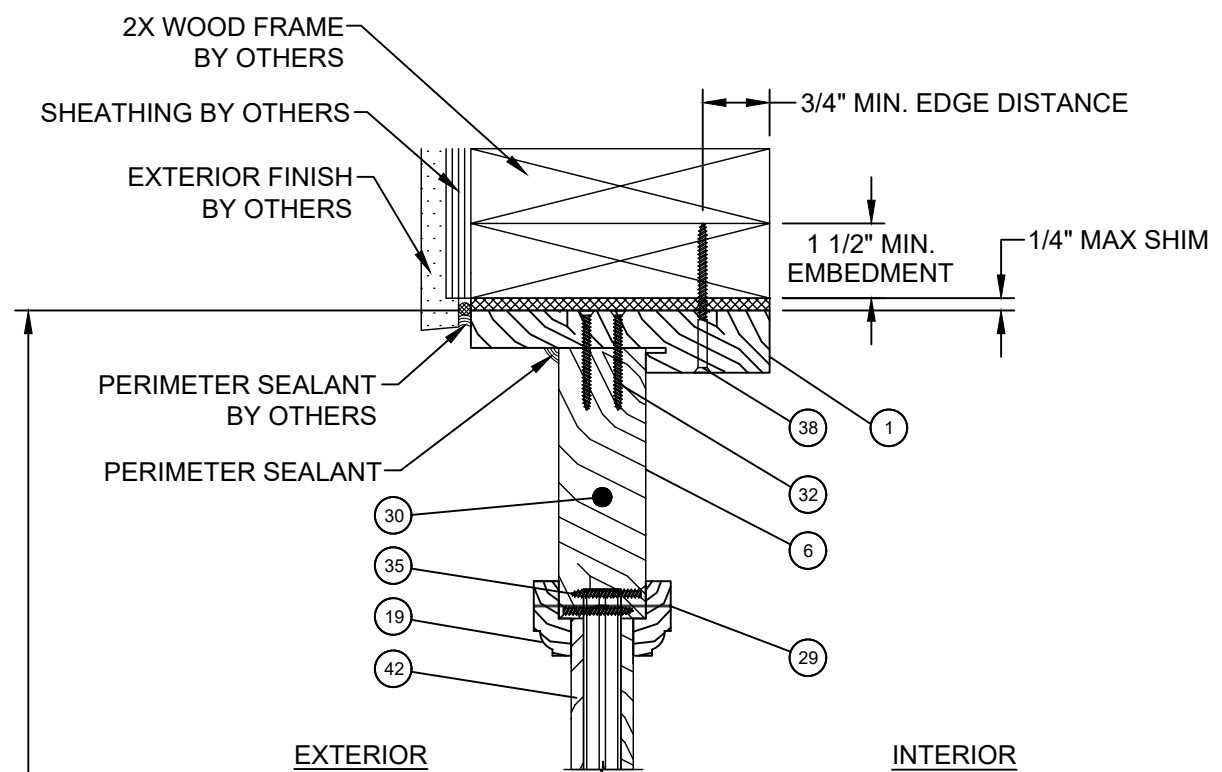




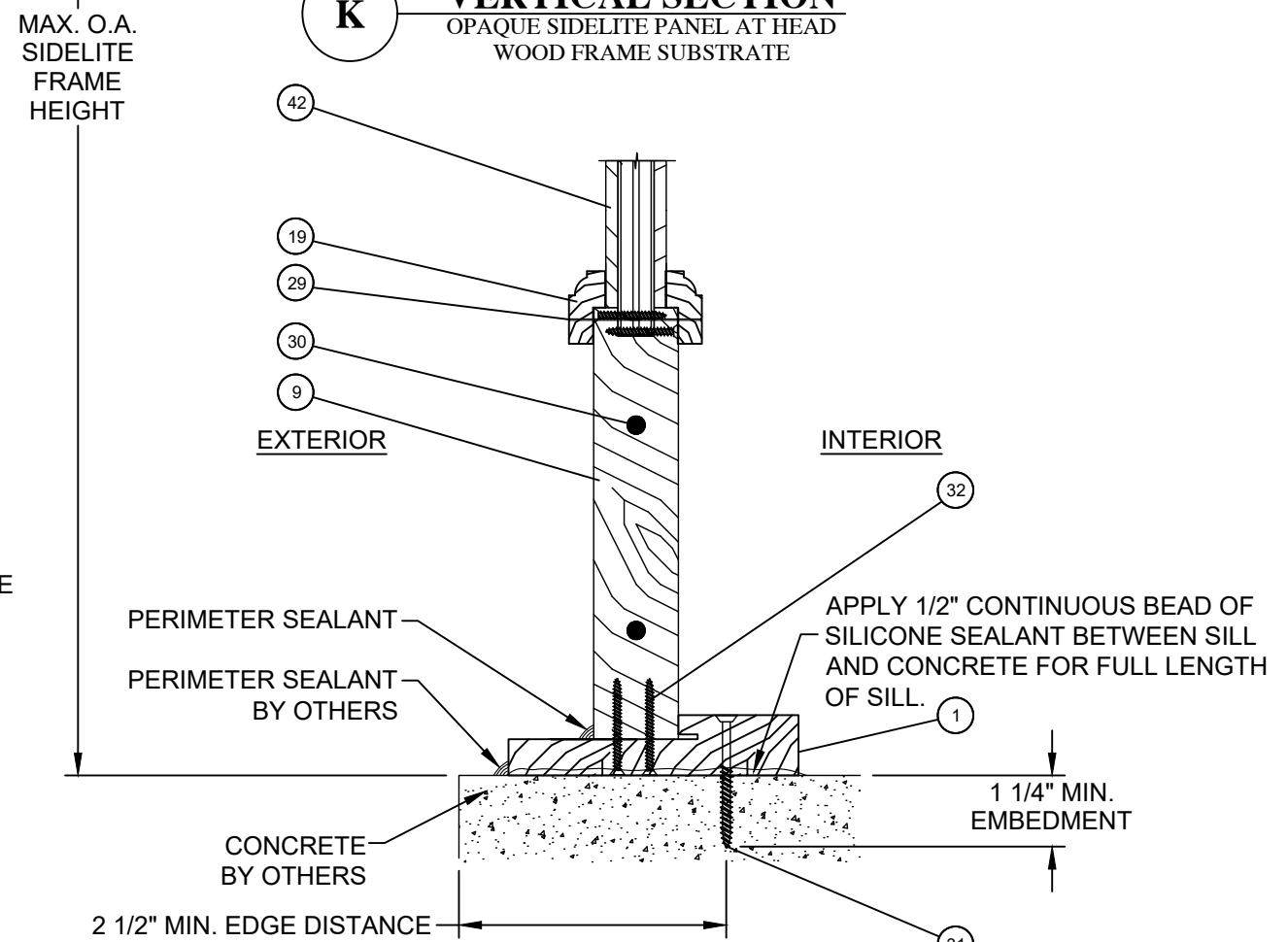
H **VERTICAL SECTION**
GLAZED SIDELITE PANEL AT HEAD
WOOD FRAME SUBSTRATE



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

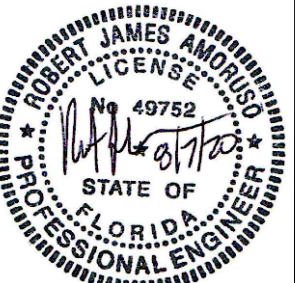
PROJECT #419-0909

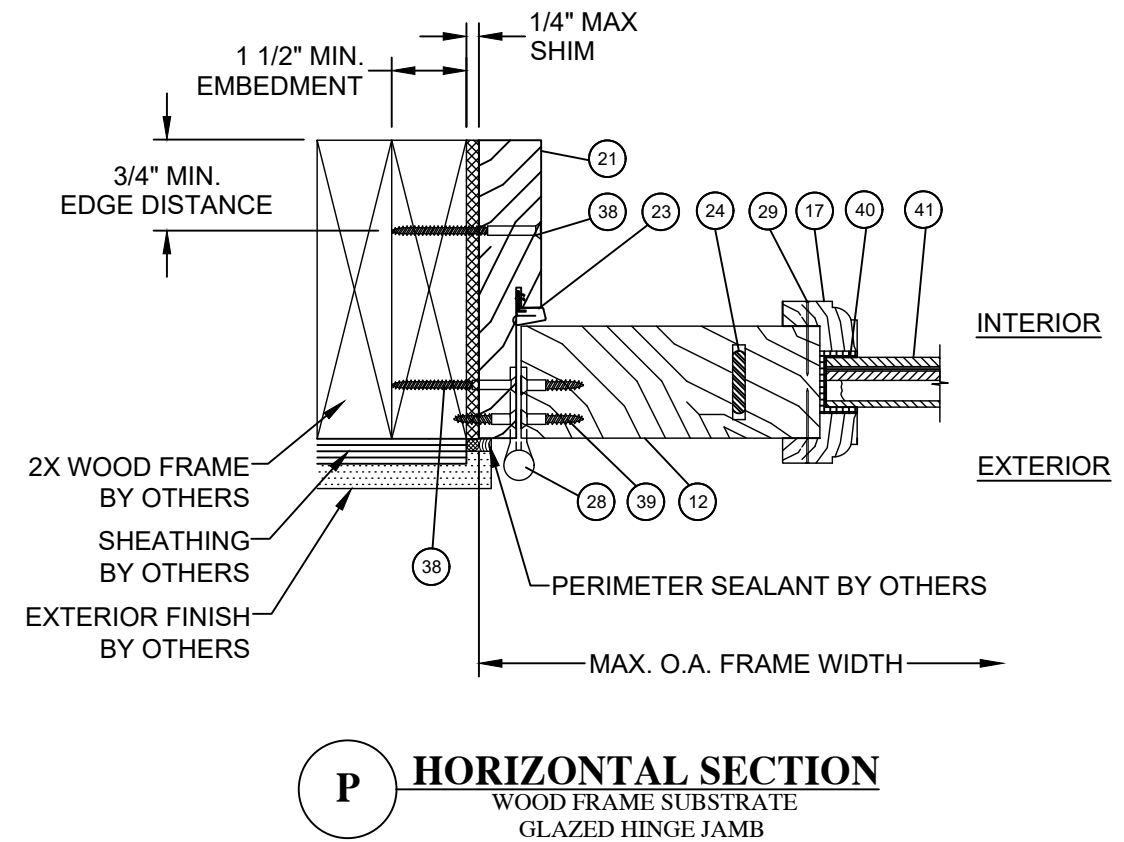
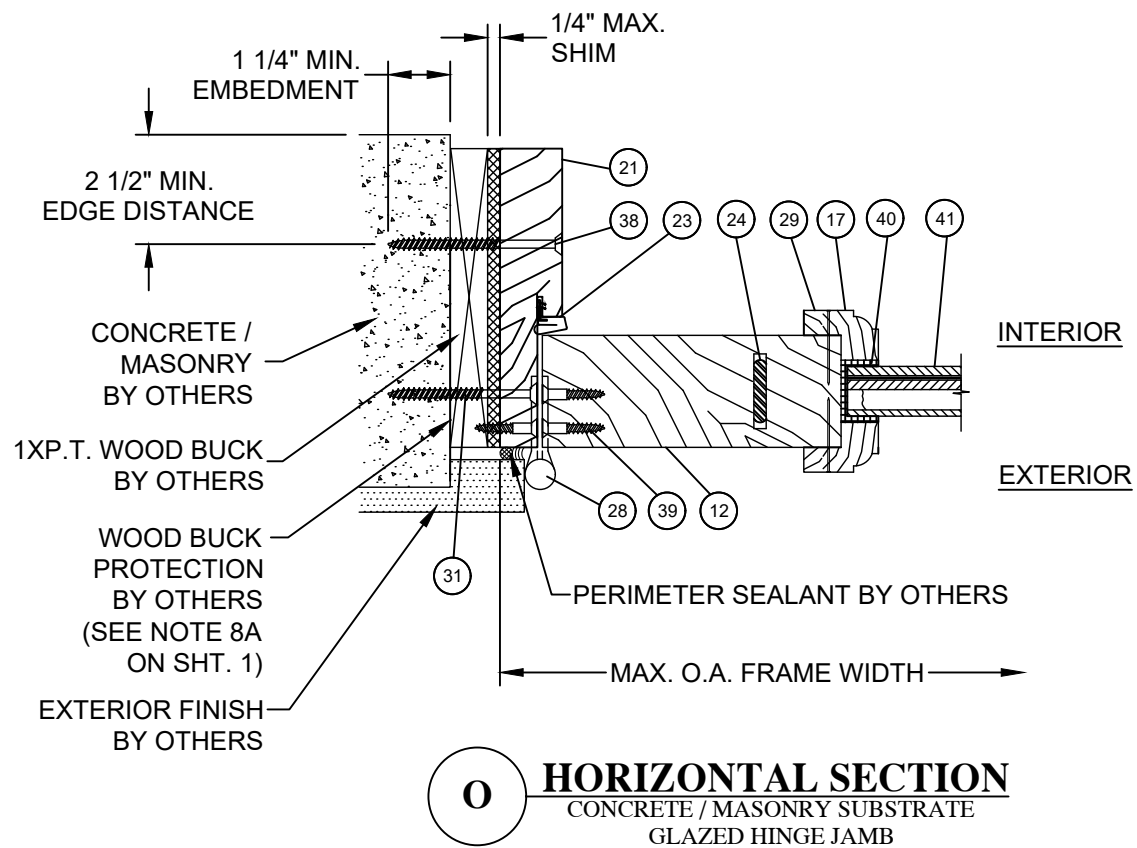
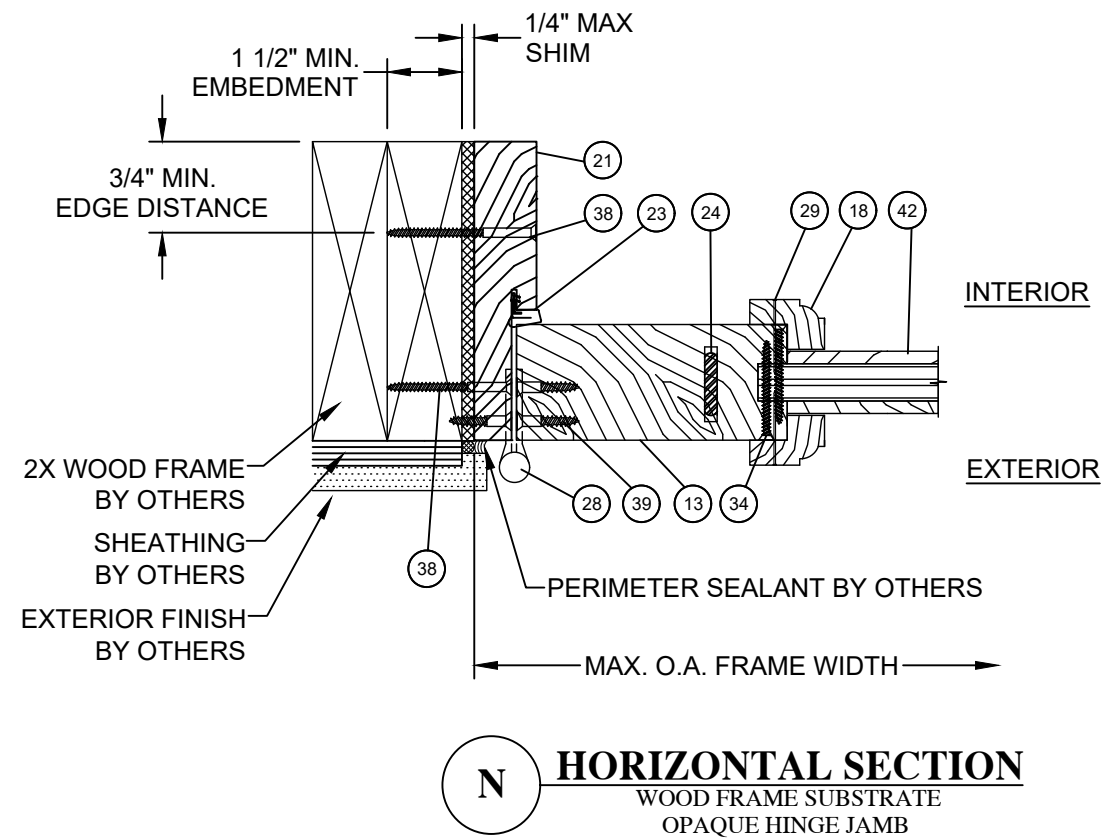
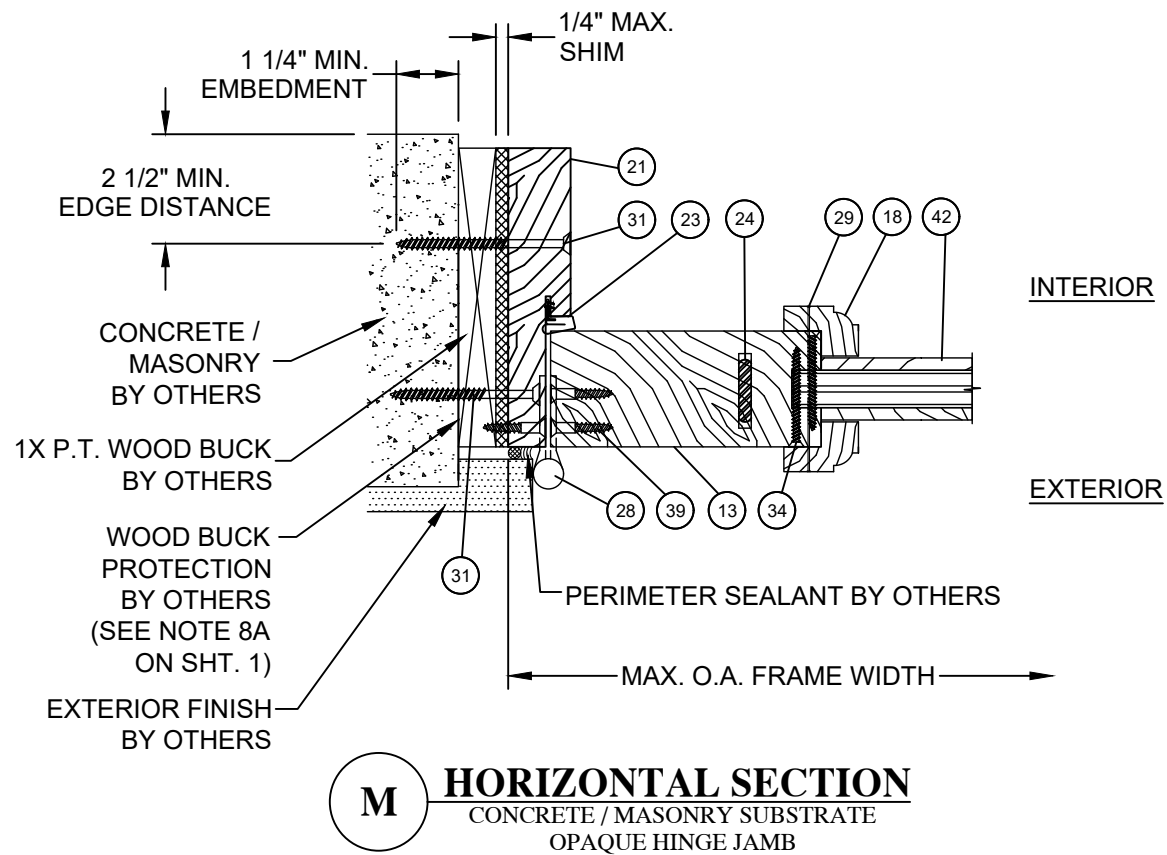
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

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

DRAWN BY: RJA
DATE: 8/7/20
SCALE: N.T.S.
SHEET: 6 OF 15
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 J. Amoruso, P.E.
Florida P.E. No. 49752





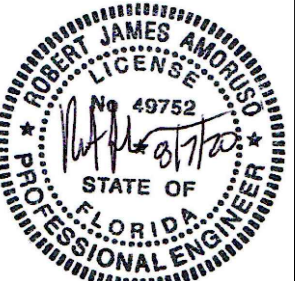
PROJECT #419-0909

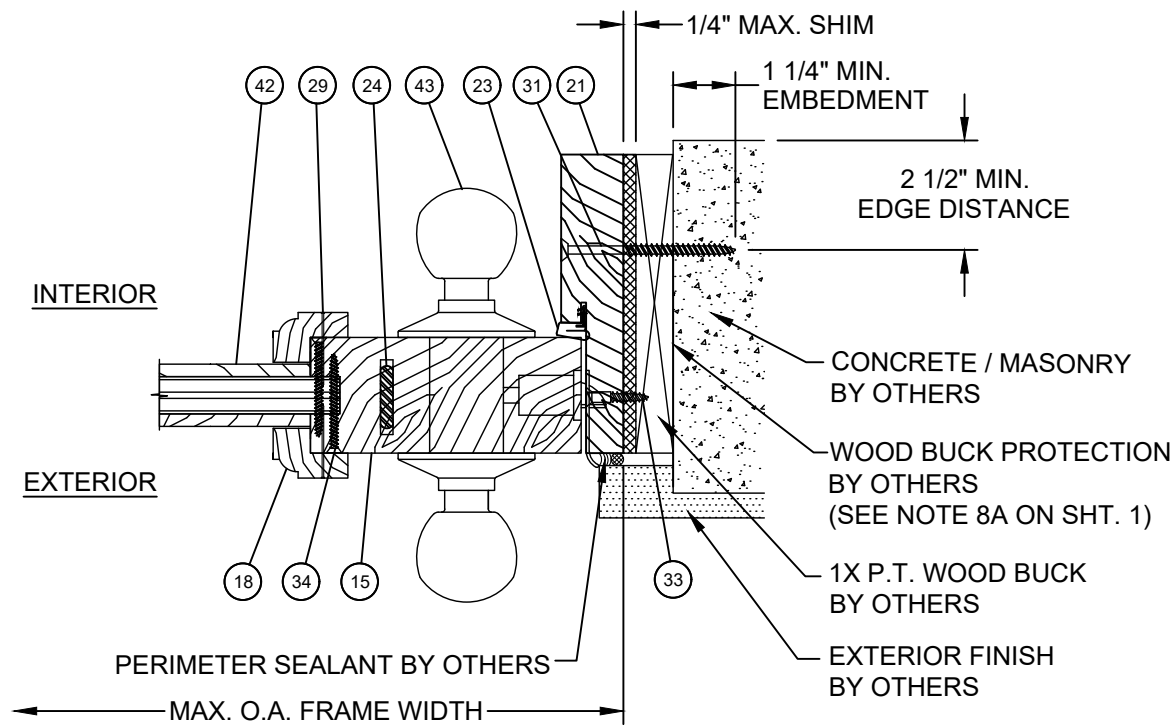
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

HORIZONTAL SECTIONS

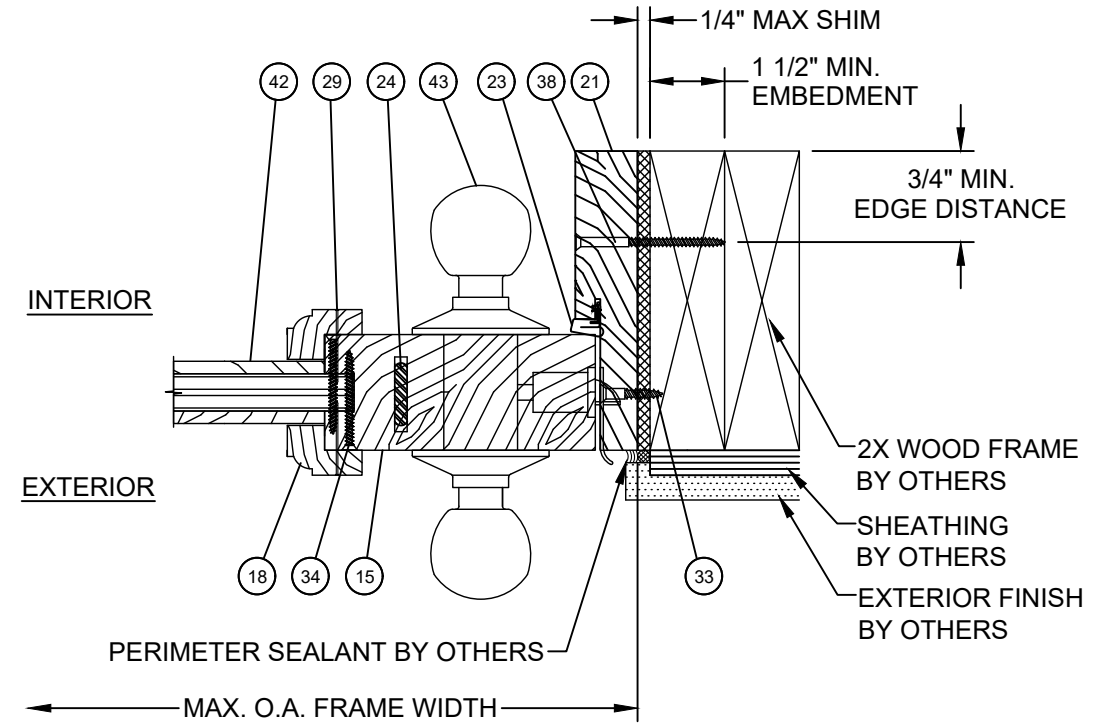
DATE:	8/7/20
DRAWING NO:	RW0062
SHEET:	7 OF 15
REV:	---
PREPARED BY:	RJA
SCALE:	N.T.S.
REV:	---

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

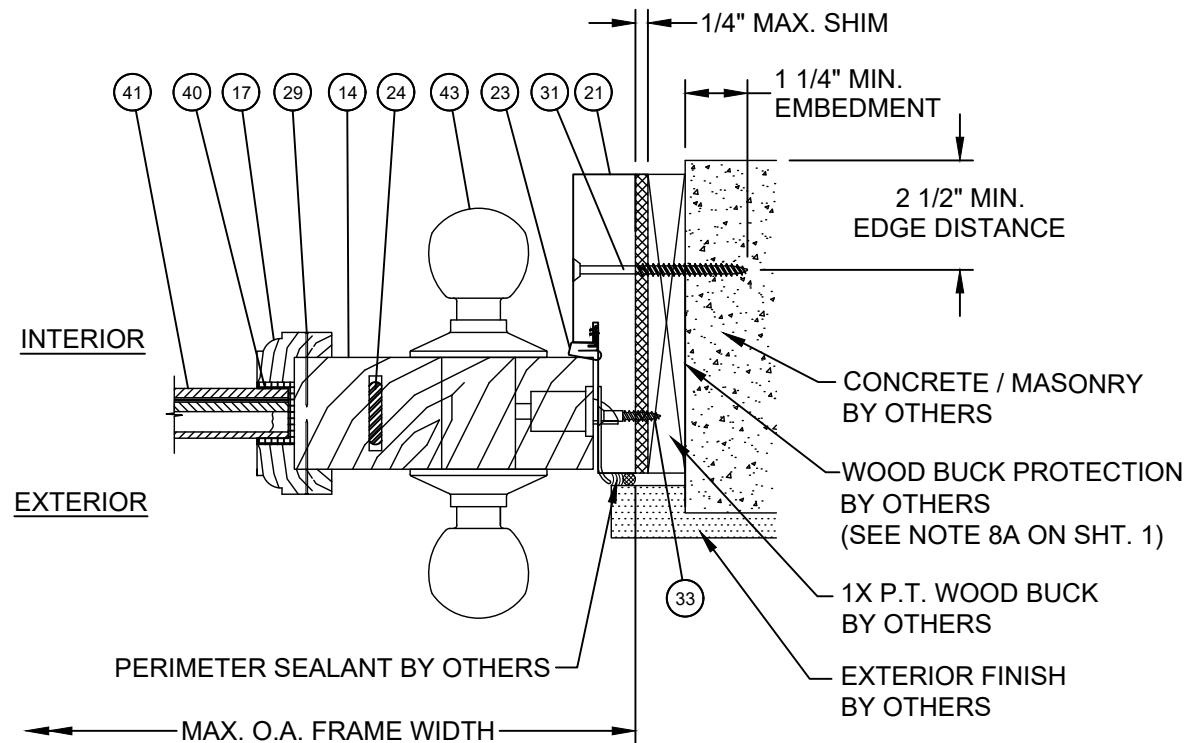




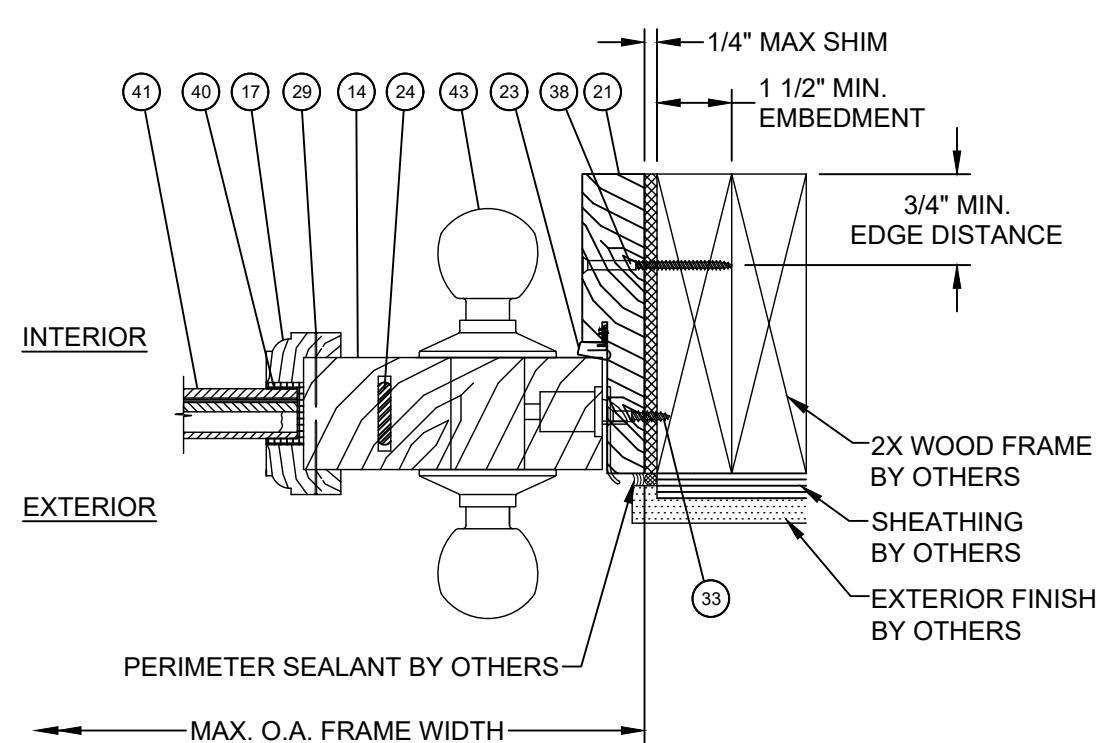
Q HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE
OPAQUE LOCK STILE



R HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
OPAQUE LOCK STILE



S HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE
GLAZED LOCK STILE



T HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
GLAZED LOCK STILE

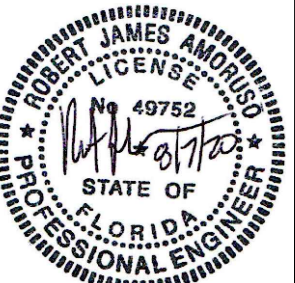
PROJECT #419-0909

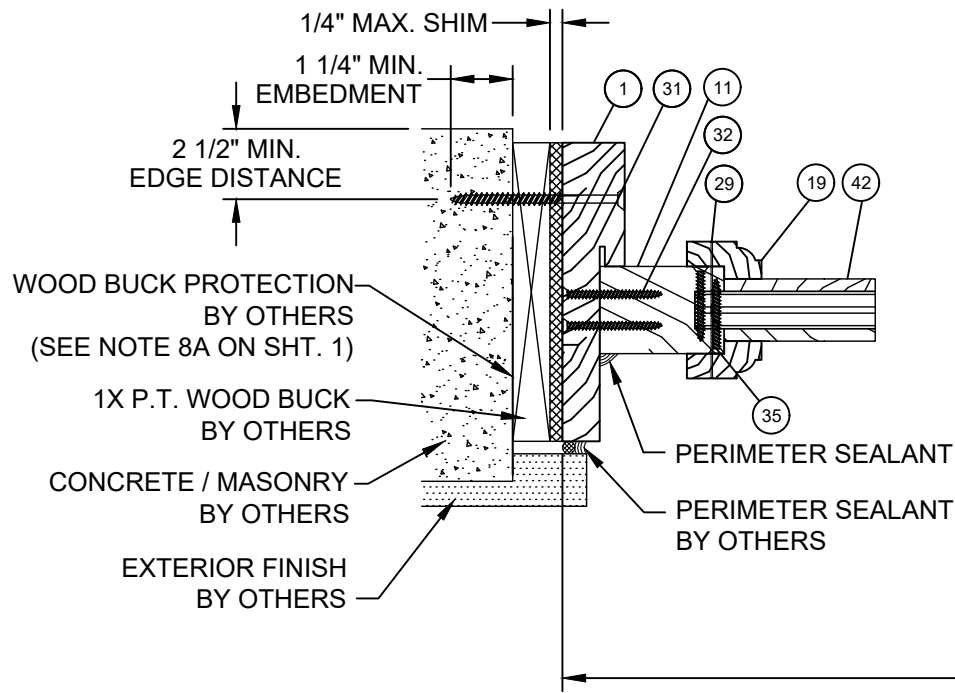
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

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

DRAWN BY:	RJA	DATE:	8/7/20
SCALE:	N.T.S.	DRAWING NO.:	RW0062
REV:	---	SHEET:	8 OF 15

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



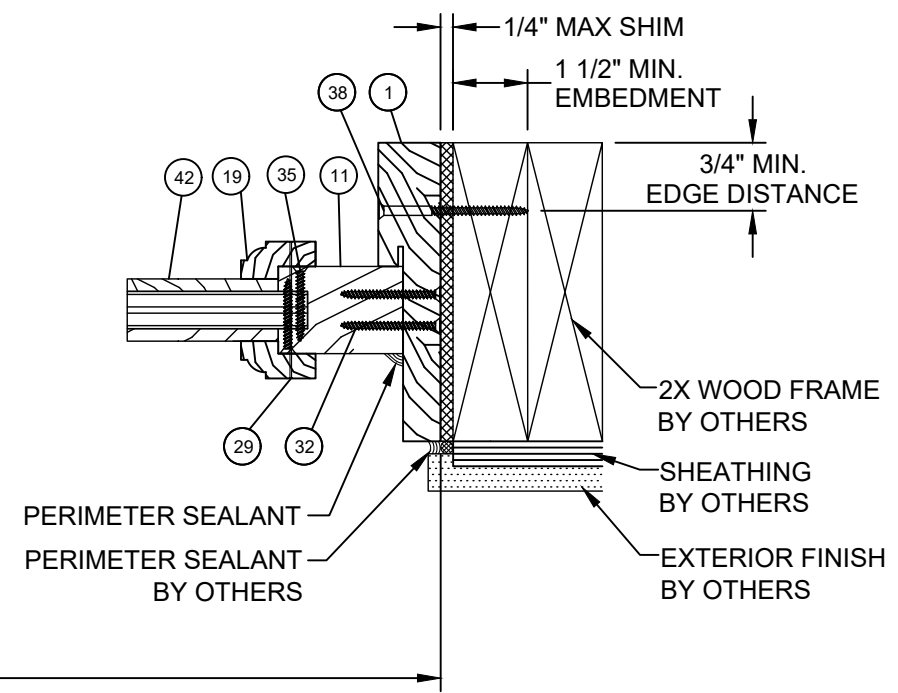


U **HORIZONTAL SECTION**
CONCRETE / MASONRY SUBSTRATE
OPAQUE SIDELITE JAMB

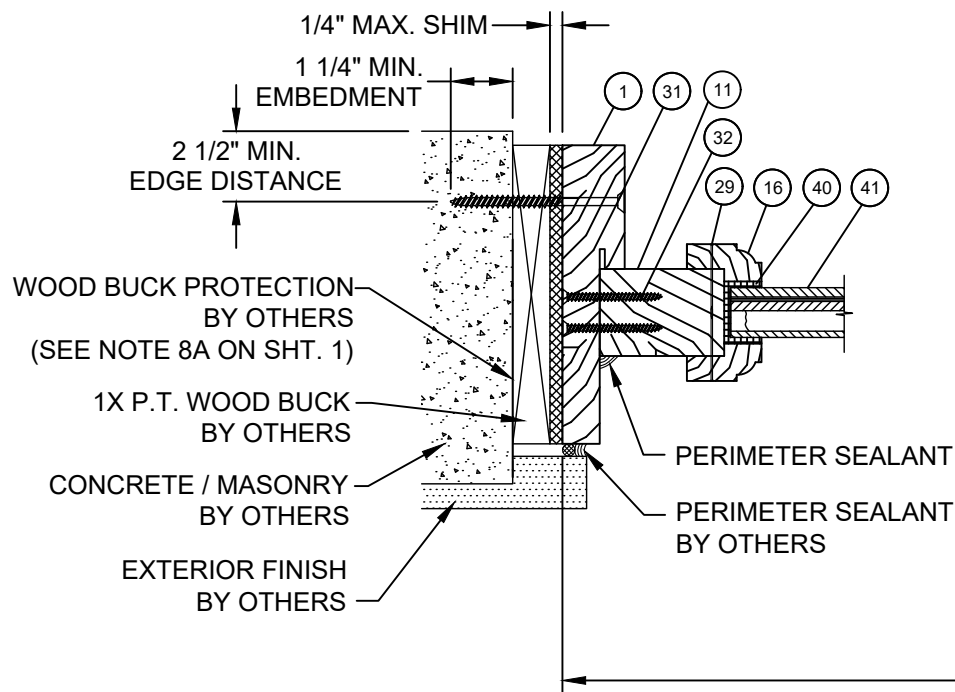
INTERIOR

EXTERIOR

MAX. O.A. FRAME WIDTH



V **HORIZONTAL SECTION**
WOOD FRAME SUBSTRATE
OPAQUE SIDELITE JAMB

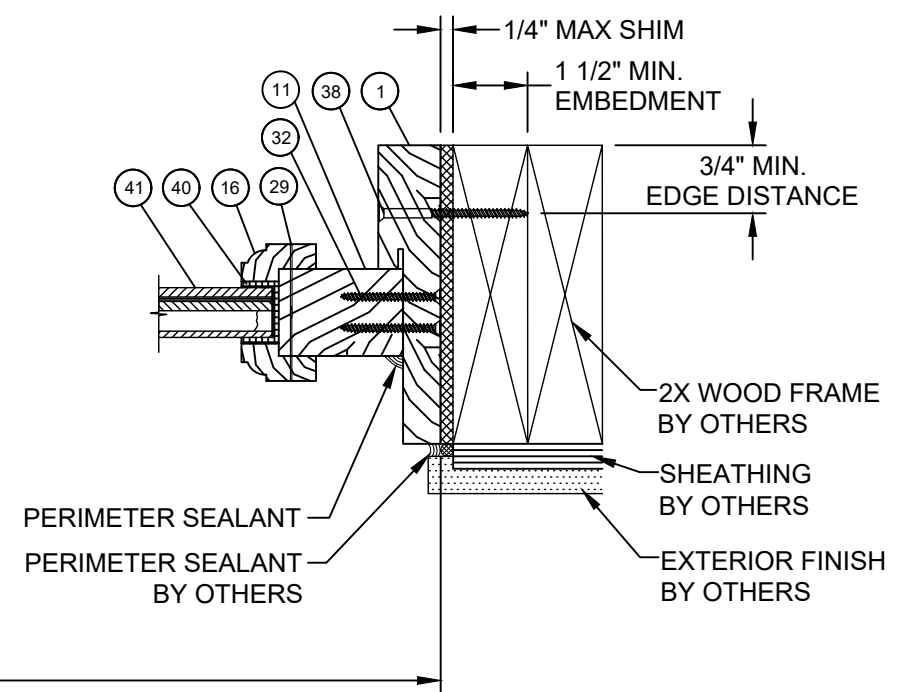


W **HORIZONTAL SECTION**
CONCRETE / MASONRY SUBSTRATE
SIDELITE STILE

INTERIOR

EXTERIOR

MAX. O.A. FRAME WIDTH



X **HORIZONTAL SECTION**
WOOD FRAME SUBSTRATE
SIDELITE STILE

PROJECT #419-0909

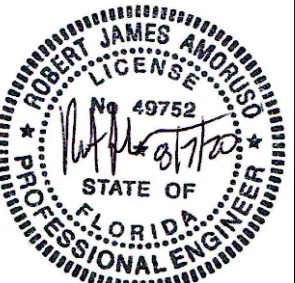
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

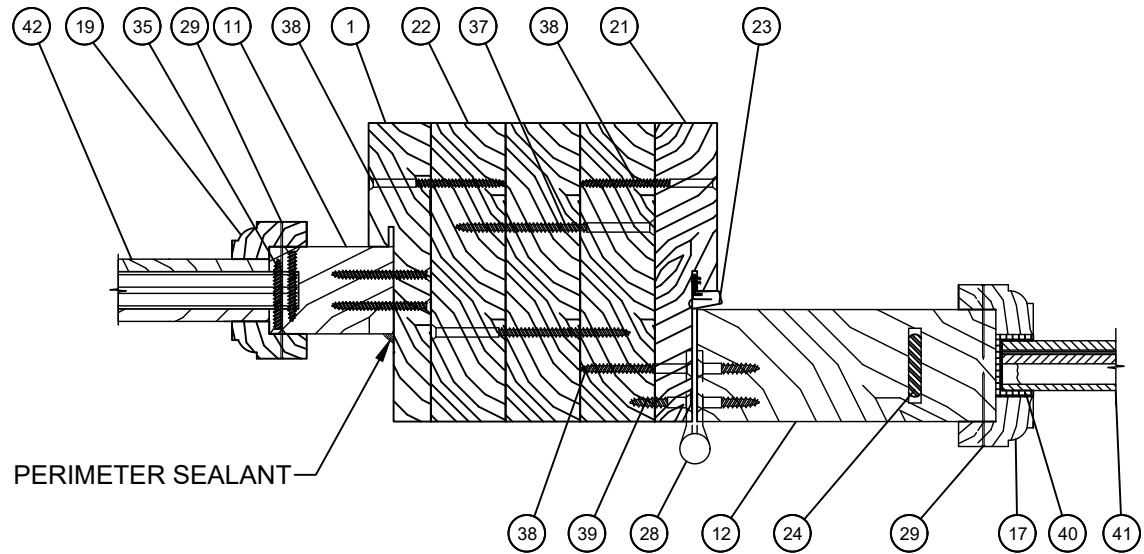
TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE SINGLE DOORS W & W/O SIDELITES
HORIZONTAL SECTIONS

DRAWN BY:	RJA	DATE:	8/7/20
SCALE:	N.T.S.	DRAWING NO.:	RW0062
REV:	---	SHEET:	9 OF 15

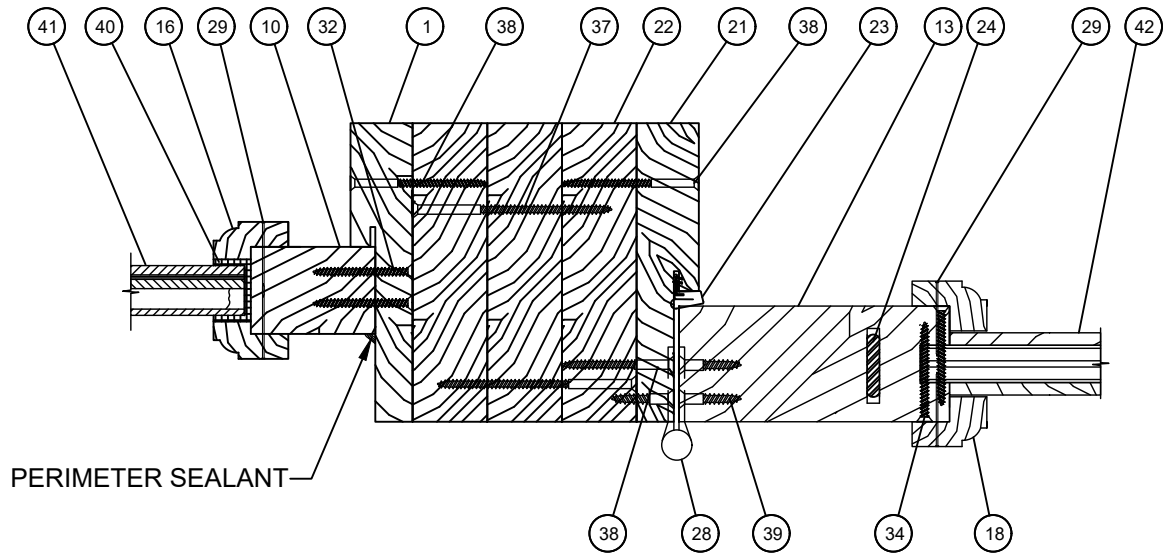
PTC
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 52075
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

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

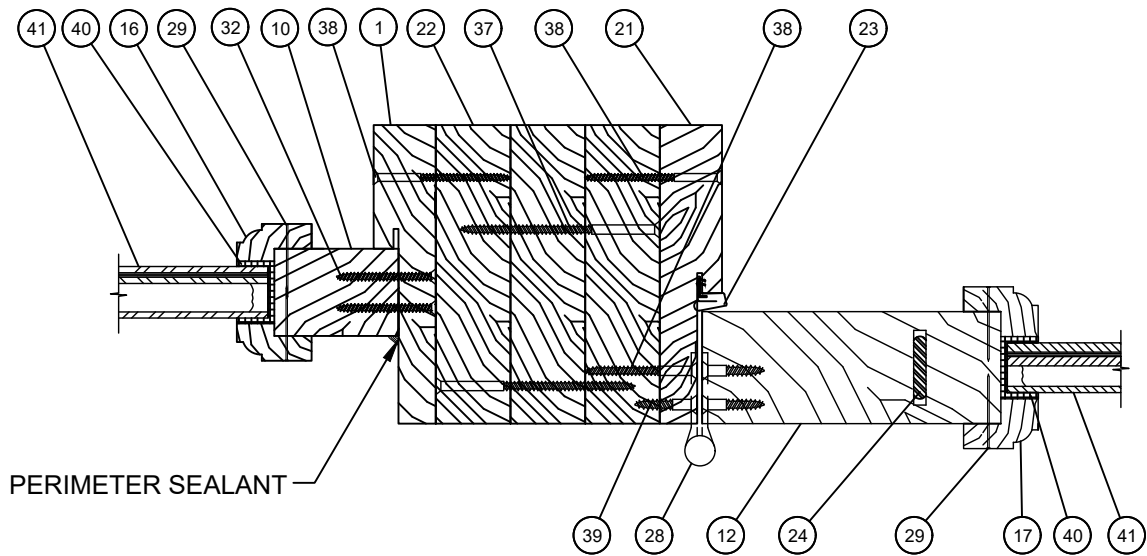




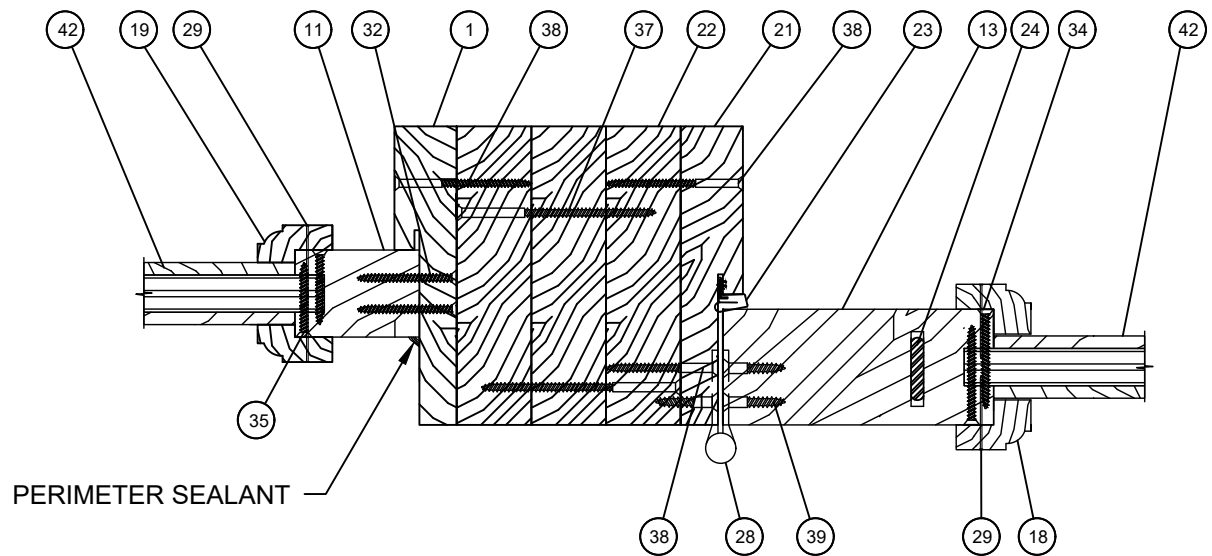
Y HORIZONTAL SECTION
MULLION
OPAQUE SIDELITE /
GLAZED DOOR PANEL



Z HORIZONTAL SECTION
MULLION
OPAQUE DOOR PANEL /
GLAZED SIDELITE



AA HORIZONTAL SECTION
MULLION
GLAZED SIDELITE /
GLAZED DOOR PANEL



BB HORIZONTAL SECTION
MULLION
OPAQUE DOOR PANEL /
OPAQUE SIDELITE

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 SINGLE DOORS W & W/O SIDELITES
HORIZONTAL MULLION SECTIONS

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

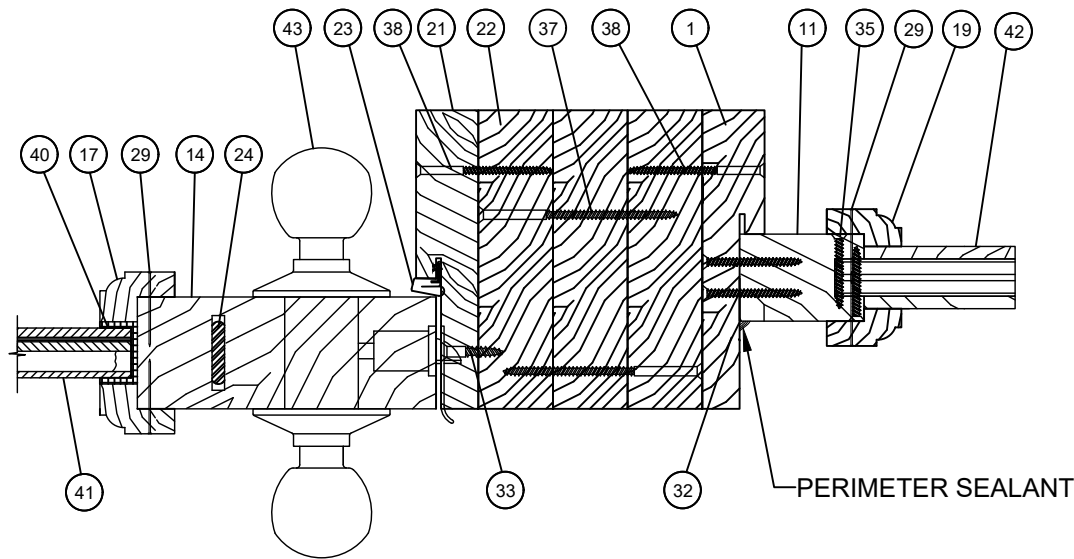
DATE: 8/7/20
DRAWING NO: RW0062
SHEET: 10 OF 15

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

PTC



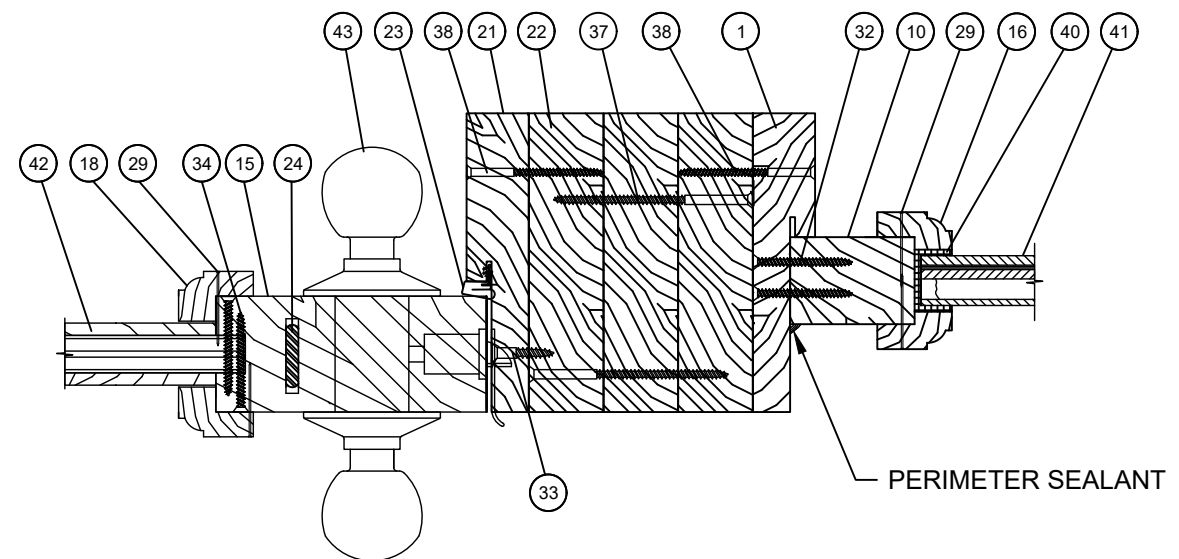
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



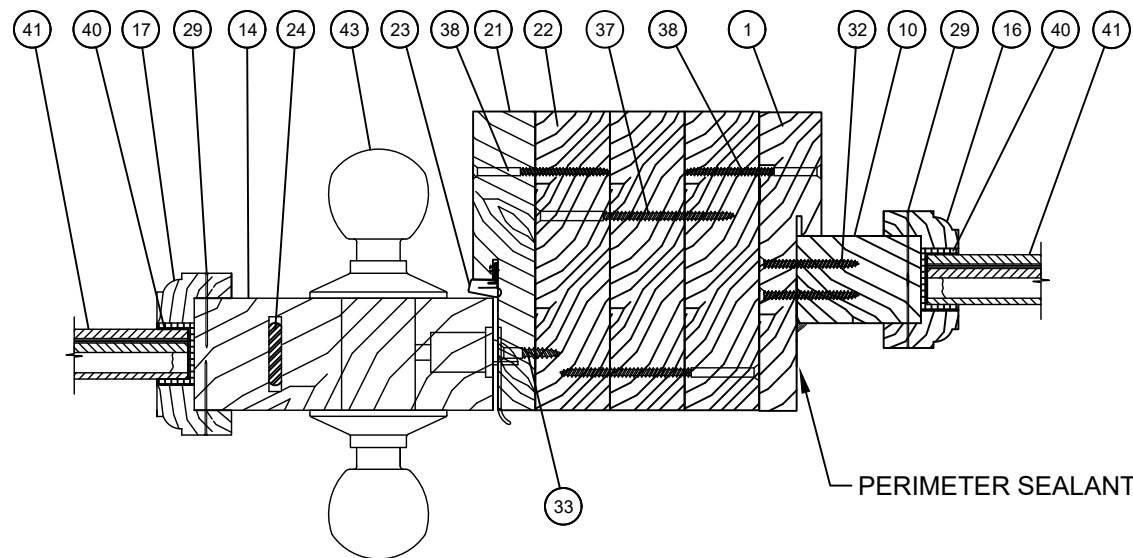
CC HORIZONTAL SECTION
MULLION
GLAZED DOOR PANEL/
OPAQUE SIDELITE

INTERIOR

EXTERIOR



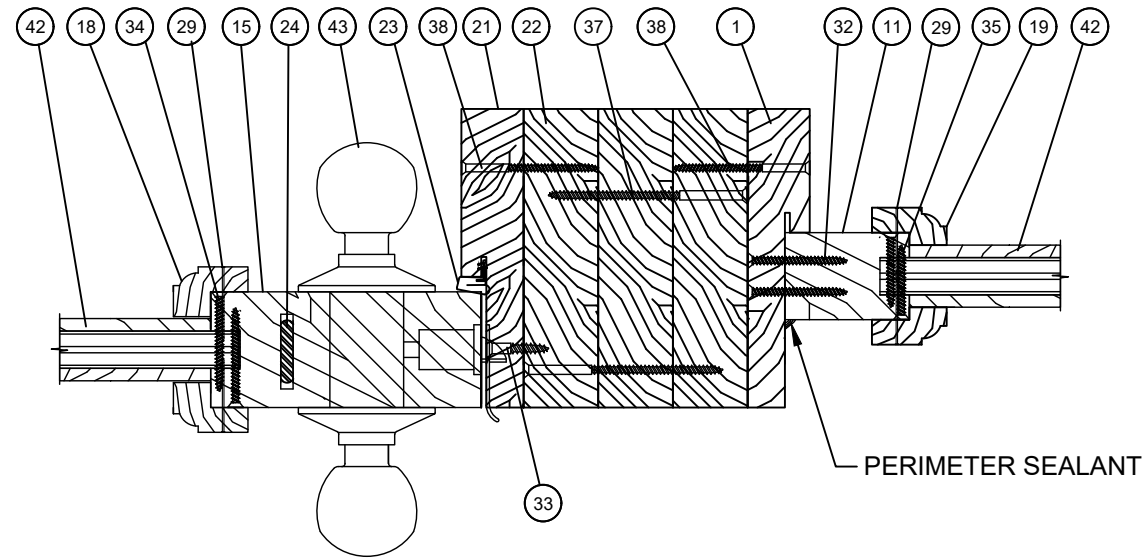
DD HORIZONTAL SECTION
MULLION
OPAQUE DOOR PANEL /
GLAZED SIDELITE



EE HORIZONTAL SECTION
MULLION
GLAZED DOOR PANEL/
GLAZED SIDELITE

INTERIOR

EXTERIOR



FF HORIZONTAL SECTION
MULLION
OPAQUE DOOR PANEL /
OPAQUE SIDELITE

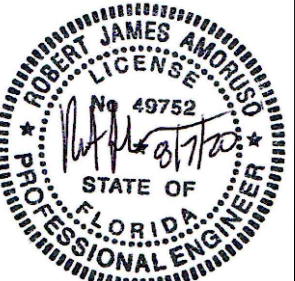
PROJECT #419-0909

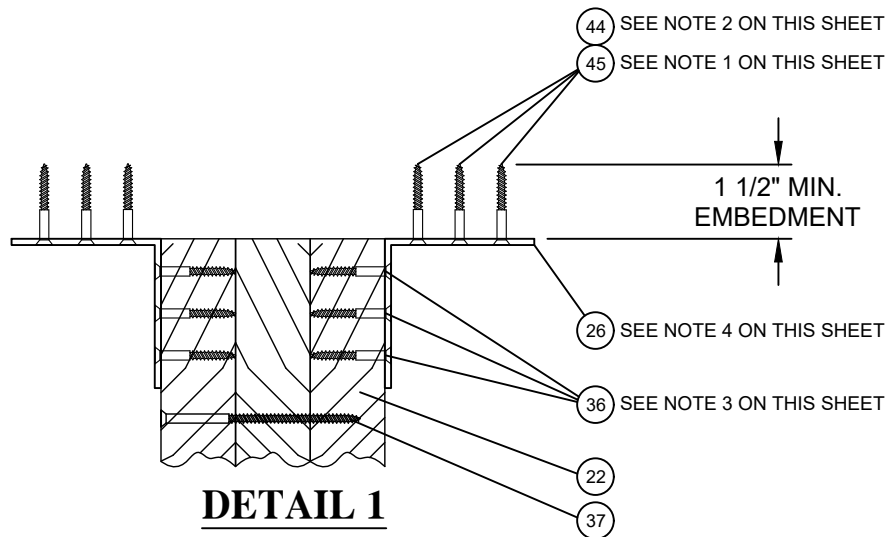
Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

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

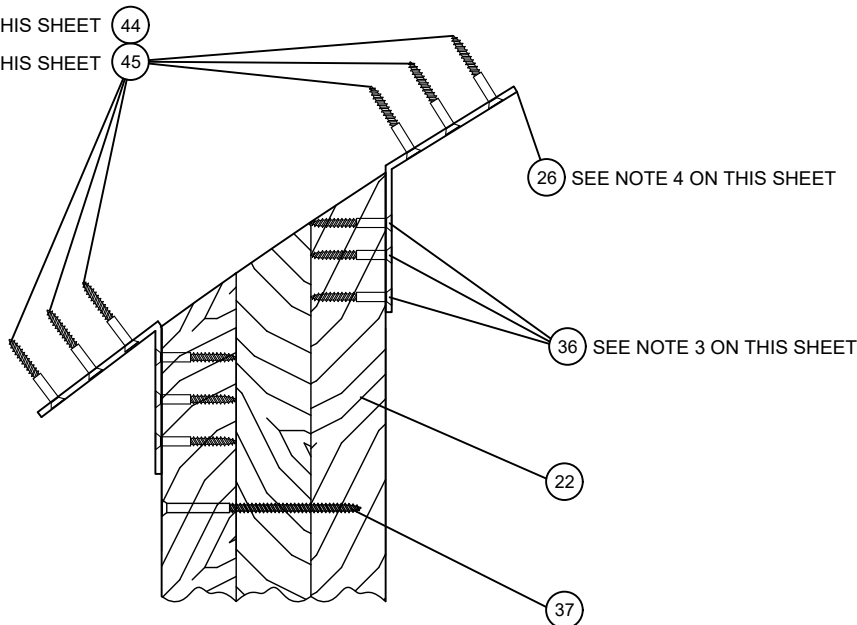
DRAWN BY:	RJA	DATE:	8/7/20
SCALE:	N.T.S.	DRAWING NO:	RW0062
REV:	---	SHEET:	11 OF 15

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





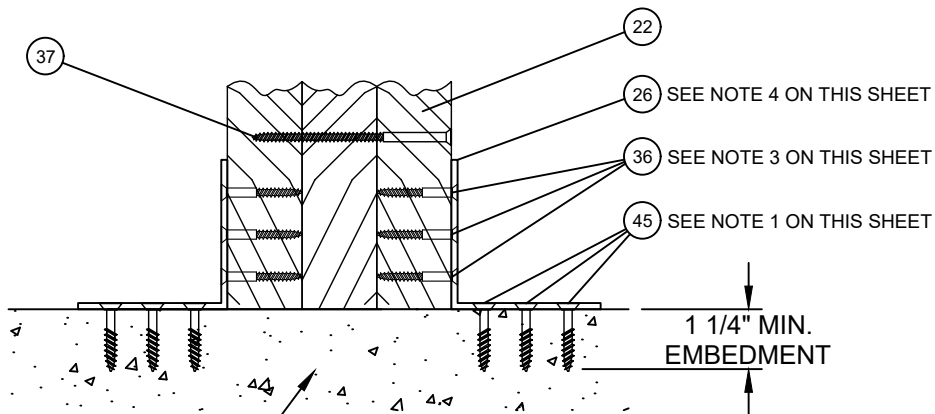
DETAIL 1



DETAIL 3

NOTES:

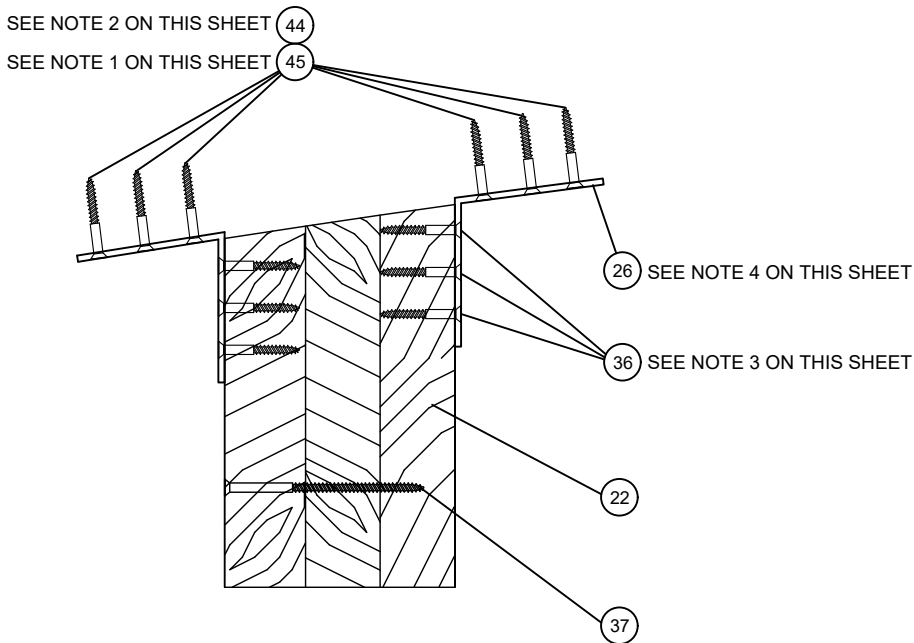
1. ATTACHMENT OF CLIP ANGLES TO CONCRETE SUBSTRATES ARE 1/4" FLAT HEAD POWERS TAPPERS.
2. ATTACHEMENT OF CLIP ANGLES TO WOOD SUBSTRATES ARE #12 FLAT HEAD WOOD SCREW
3. ATTACHMENT OF CLIP ANGLES TO MULLIONS ARE #10 X 1-1/4" FLAT HEAD WOOD SCREW
4. MULLION CLIP 1 SHOWN. MULLION CLIP 2 ALSO APPROVED FOR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



DETAIL 2

CONCRETE/ MASONRY
TYP. @ SILL

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 SINGLE DOORS W & W/O SIDELITES
MULLION ANCHOR DETAILS

PREPARED BY:

DRAWN BY: RJA

DATE: 8/7/20

DRAWING NO: RW0062

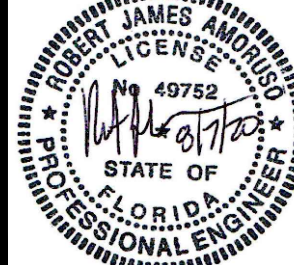
REV:

DESCRIPTION

DATE

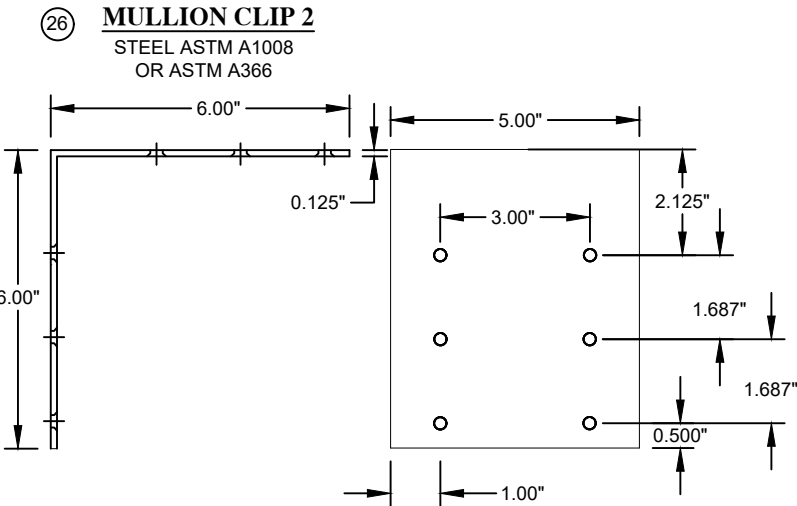
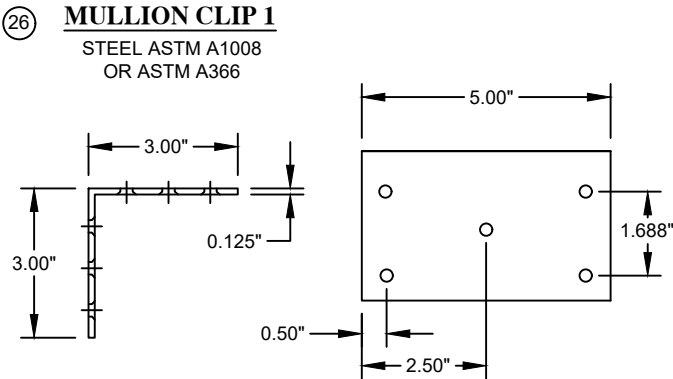
BY

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



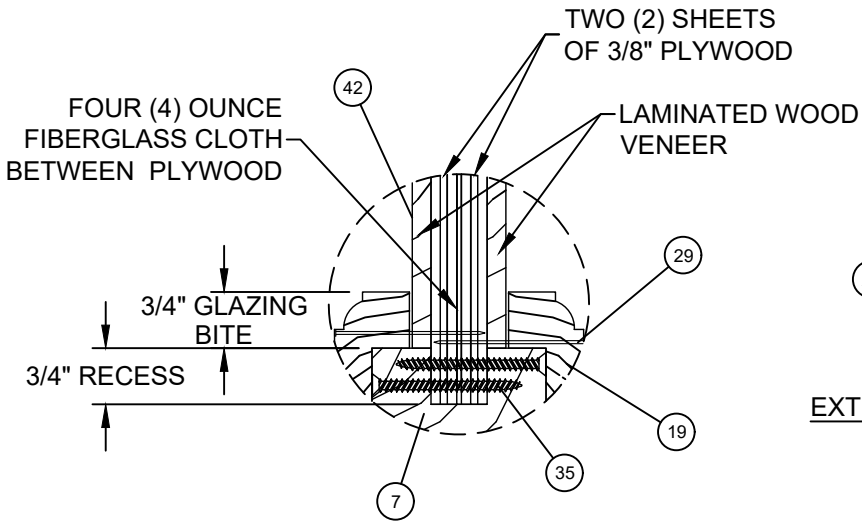
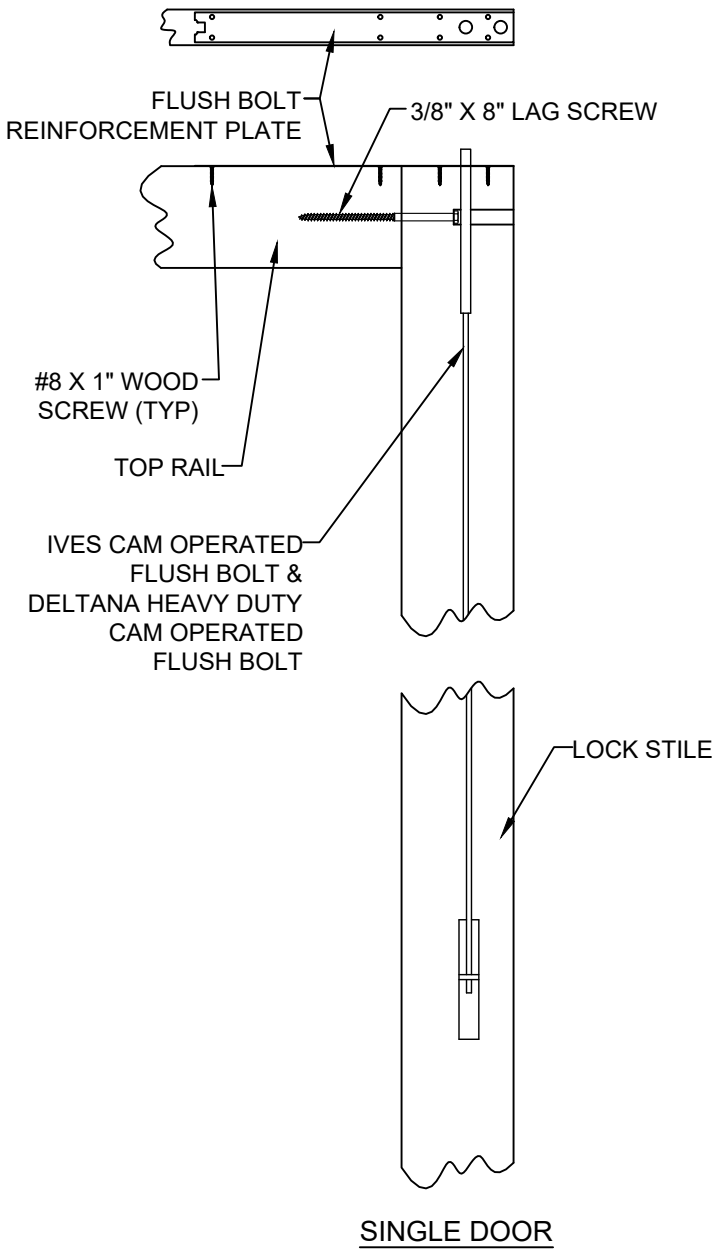
BILL OF MATERIALS

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

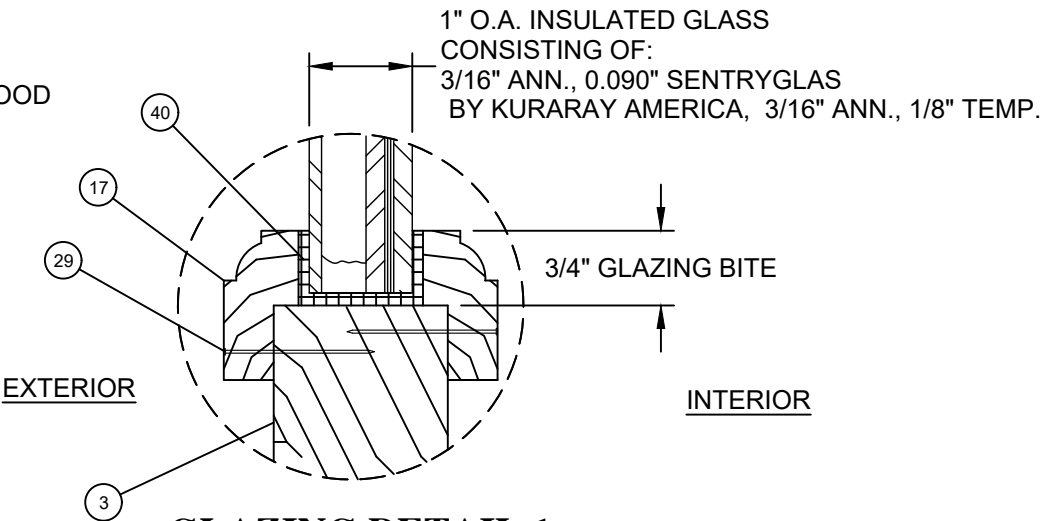


(4) #8 X 2" WOOD SCREWS
 IN 2X WOOD FRAME

FLUSH BOLT
 STRIKE PLATE



GLAZING DETAIL 2
 OPAQUE PANEL



GLAZING DETAIL 1
 1" I.G.U.

PROJECT #419-0909

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

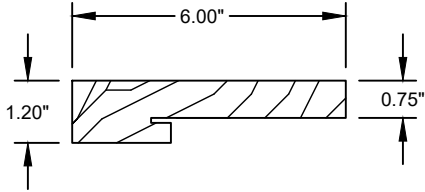
TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE SINGLE DOORS W & W/O SIDELITES
 BILL OF MATERIALS, GLAZING DETAILS FLUSH BOLT DETAIL

DATE:	8/7/20	DRAWING NO:	RW0062	SHEET:	13 OF 15
DRAWN BY:	RJA	SCALE:	N.T.S.	REV:	---
PREPARED BY:					

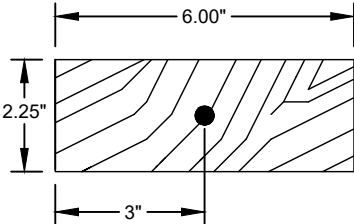
PTC PRODUCT DESIGN GROUP, LLC
 PO BOX 52075
 LONGWOOD, FLORIDA 32752
 Phone: 321.690.1788
 Fax: 321.690.1789
 Email: info@ptc-corp.com

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

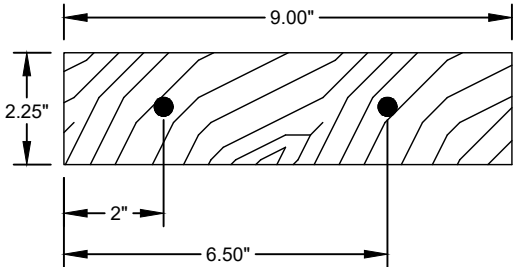
① **SIDELITE HEAD, SILL, JAMB**
WOOD (0.44 MIN. S.G.)



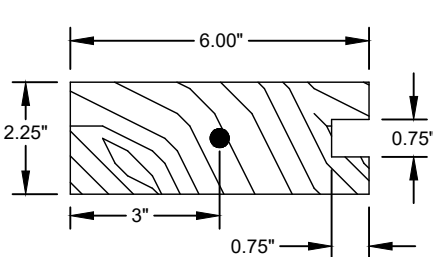
② **TOP RAIL - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



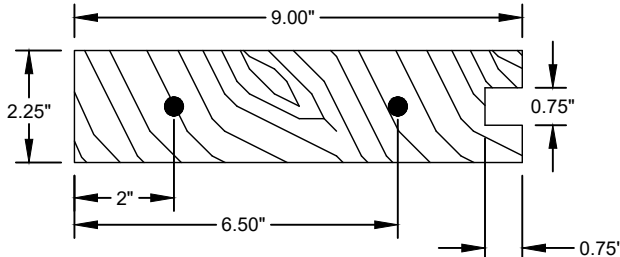
③ **BOTTOM RAIL - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



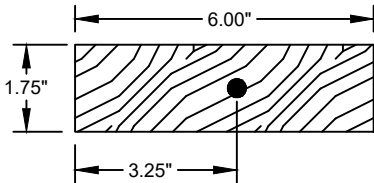
④ **TOP RAIL - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



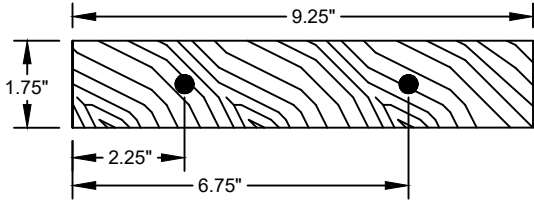
⑤ **BOTTOM RAIL - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



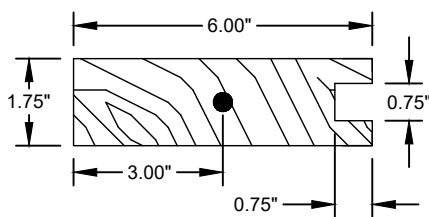
⑥ **TOP RAIL - GLAZED SIDELITE**
WOOD (0.44 MIN. S.G.)



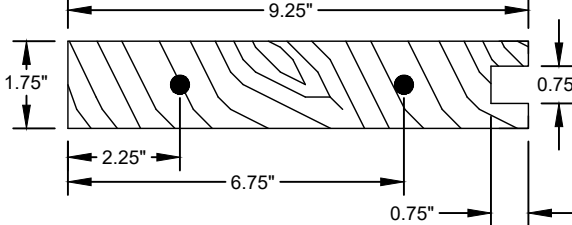
⑦ **BOTTOM RAIL - GLAZED SIDELITE**
WOOD (0.44 MIN. S.G.)



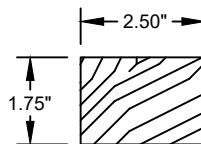
⑧ **TOP RAIL - OPAQUE SIDELITE**
WOOD (0.44 MIN. S.G.)



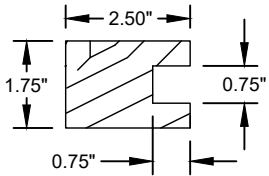
⑨ **BOTTOM RAIL - OPAQUE SIDELITE**
WOOD (0.44 MIN. S.G.)



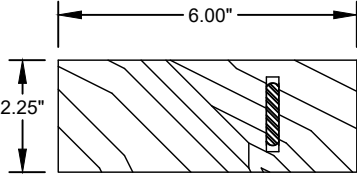
⑩ **STILE - GLAZED SIDELITE**
WOOD (0.44 MIN. S.G.)



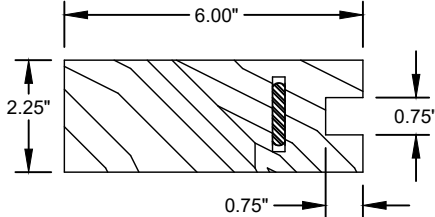
⑪ **STILE - OPAQUE SIDELITE**
WOOD (0.44 MIN. S.G.)



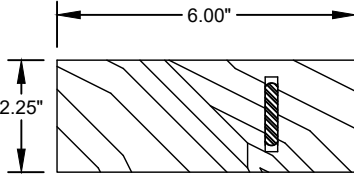
⑫ **HINGE STILE - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



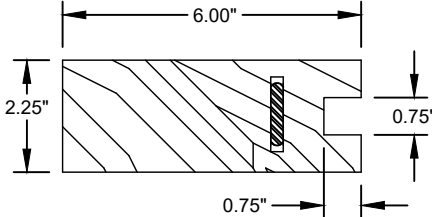
⑬ **HINGE STILE - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



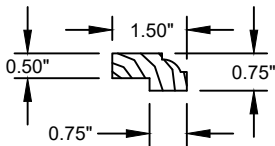
⑭ **LOCK STILE - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



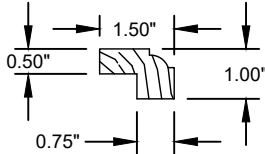
⑮ **LOCK STILE - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



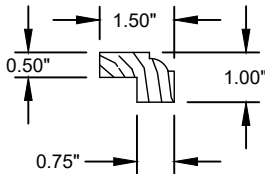
⑯ **GLAZING BEAD - SIDELITE**
WOOD (0.44 MIN. S.G.)



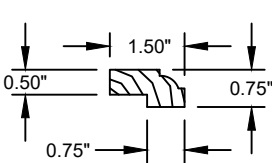
⑰ **PANEL STOP - OPAQUE DOOR**
WOOD (0.44 MIN. S.G.)



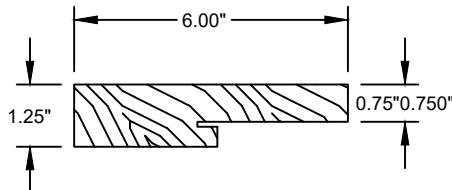
⑱ **GLAZING BEAD - GLAZED DOOR**
WOOD (0.44 MIN. S.G.)



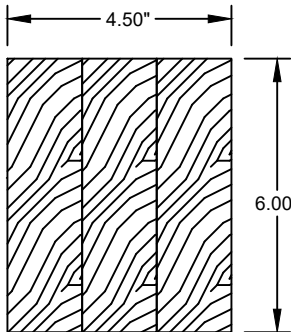
⑲ **PANEL STOP - OPAQUE SIDELITE**
WOOD (0.44 MIN. S.G.)



⑳ **DOOR FRAME JAMB**
WOOD (0.44 MIN. S.G.)



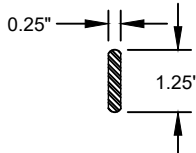
㉑ **4.5\"/>**



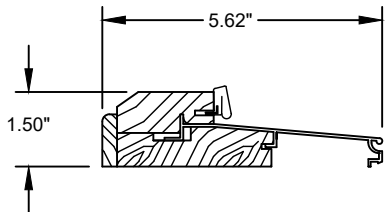
㉒ **WEATHERSTRIP**
VINYL / FOAM



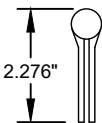
㉓ **1/4\"/>**



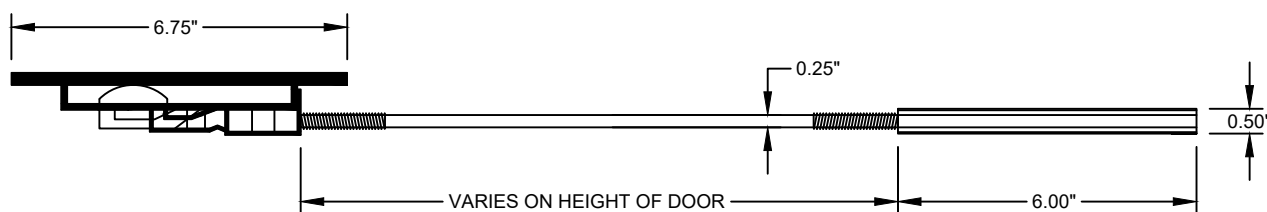
㉔ **OUTSWING THRESHOLD**
6063-T5 ALUMINUM /
WOOD



㉕ **4\"/>**



㉖ **DELTANA 18EFB EXTENSION FLUSH BOLT OR
IVE'S 458 EXTENSION FLUSHBOLT**
STEEL



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

TITLE: 2 1/4" IMPACT OUTSWING GLAZED & OPAQUE SINGLE DOORS W & W/O SIDELITES

COMPONENTS

PREPARED BY:

DRAWN BY:

DATE:

DRAWING NO:

SHEET:

REV:

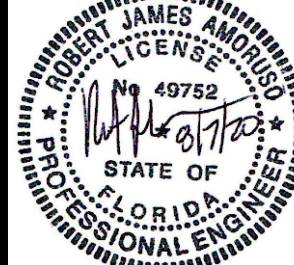
14 OF 15

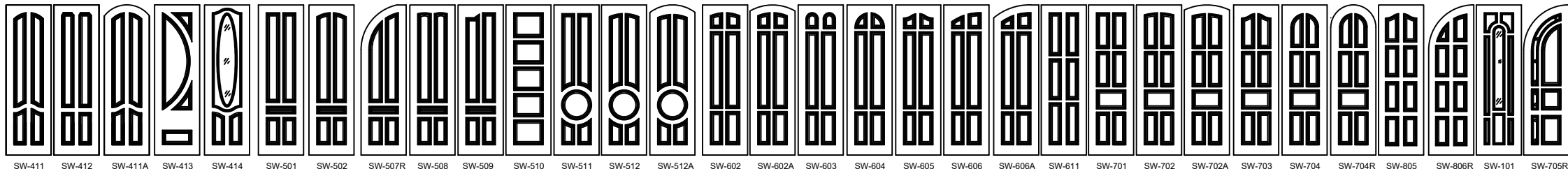
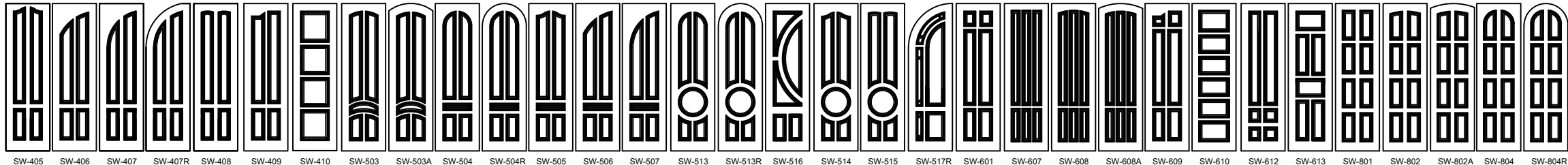
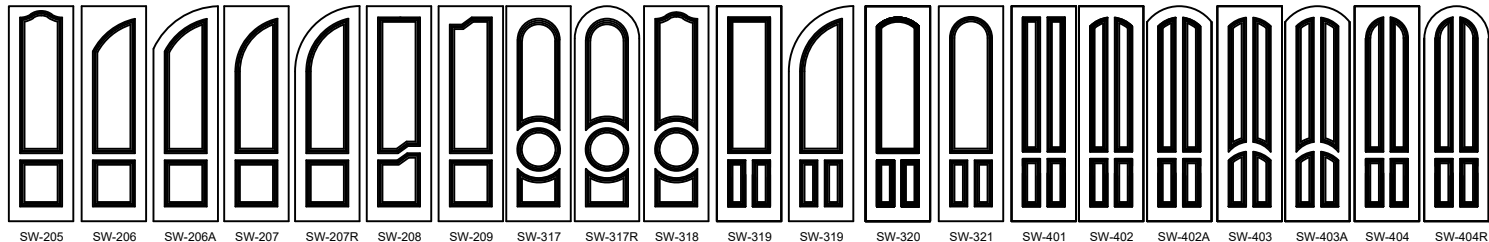
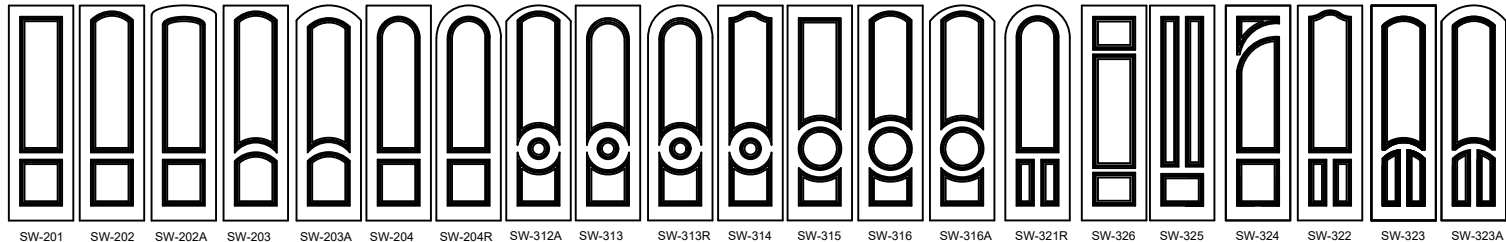
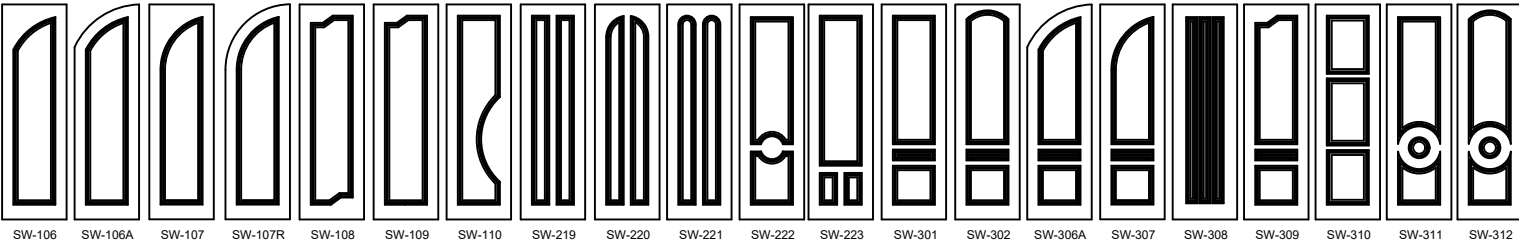
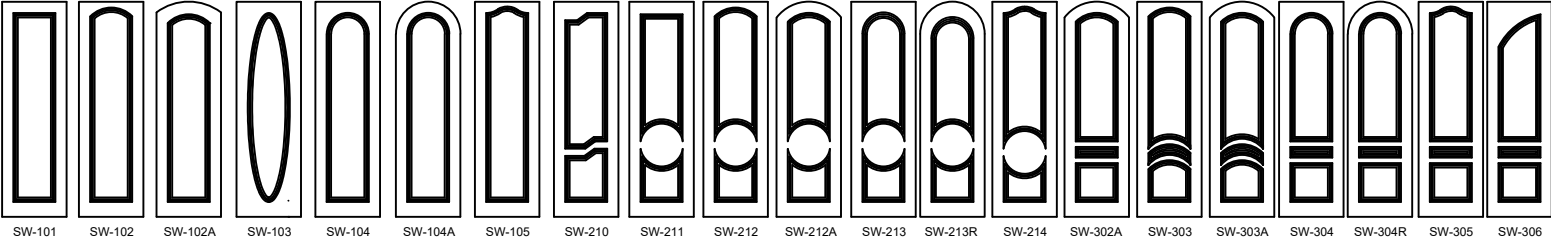
DESCRIPTION

DATE

BY

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 SINGLE DOORS W & W/O SIDELITES
OPTIONAL PANEL CONFIGURATIONS

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

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

DATE: 8/7/20
DRAWING NO: RW0062
SHEET: 15 OF 15

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