

IMPACT 360 SERIES

WOOD GLAZED OR OPAQUE

NARROW STILE & RAIL

SINGLE DOOR w/ TRANSOM

w/ or w/out SIDELITE(S)

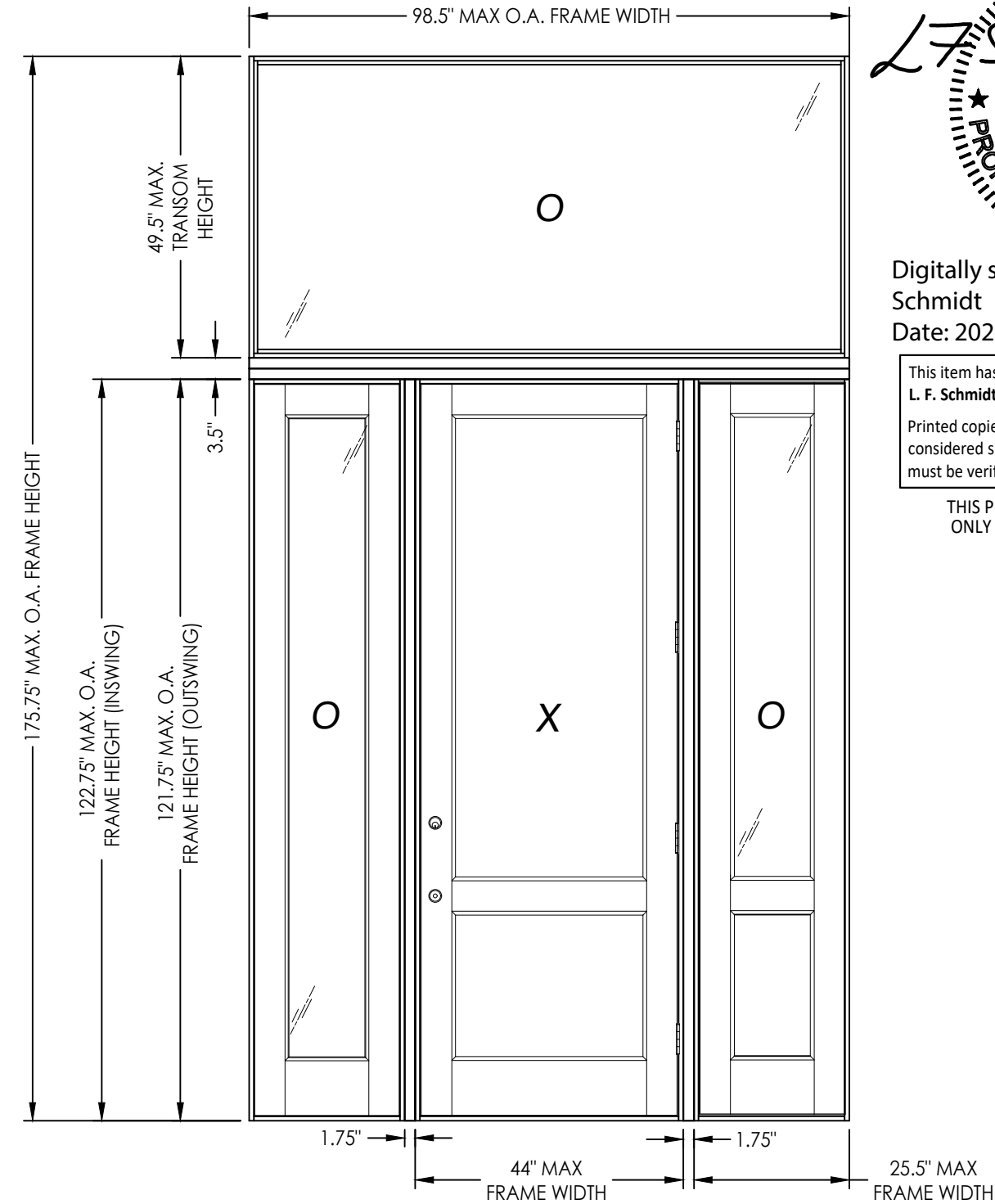
INSWING/OUTSWING

"IMPACT"

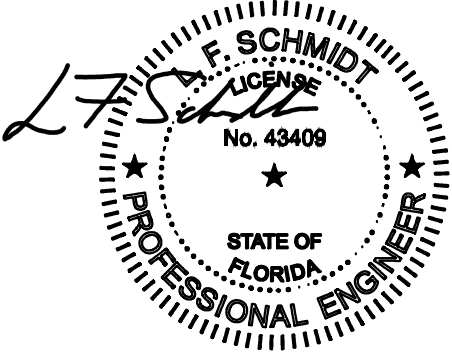
GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Outswing configurations meet water infiltration requirements for "HVHZ".
7. Inswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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5	Glazing & Panel Infil Details
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10	Vertical Cross Sections (Thresholds)
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12	Buck & Frame Anchoring (O/OX)
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14	Hardware Details
15	Bill of Materials & Components



CONFIGURATION	HORIZONTAL MULLION THICKNESS	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
O X, OX, XO, OXO	1.75"	+50.0	-50.0	+50.0	-50.0
O X, OX, XO, OXO	3.5"	+60.0	-60.0	+60.0	-60.0



Digitally signed by Lyndon F Schmidt
Date: 2025.10.16 14:27:34 -04'00'

This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE: 2/14/17

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-21891.16

SHEET 1 OF 15

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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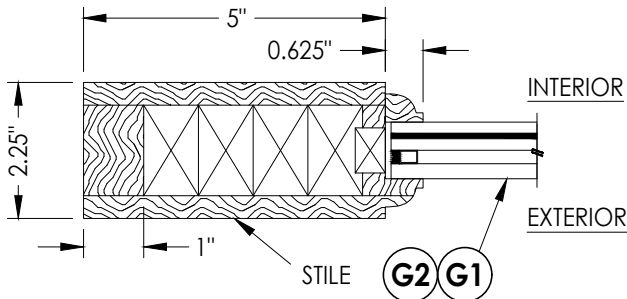
40 WOOD DOOR PANELS

[illegible]

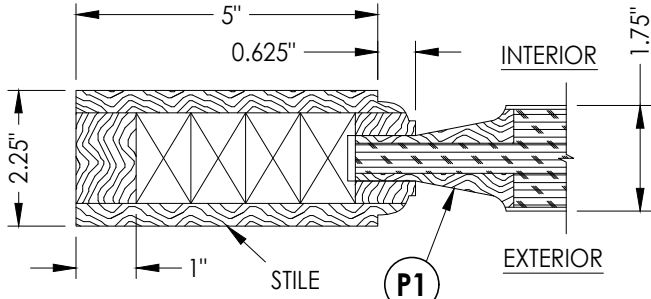
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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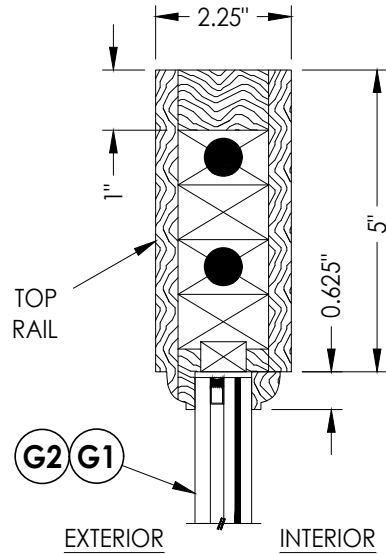
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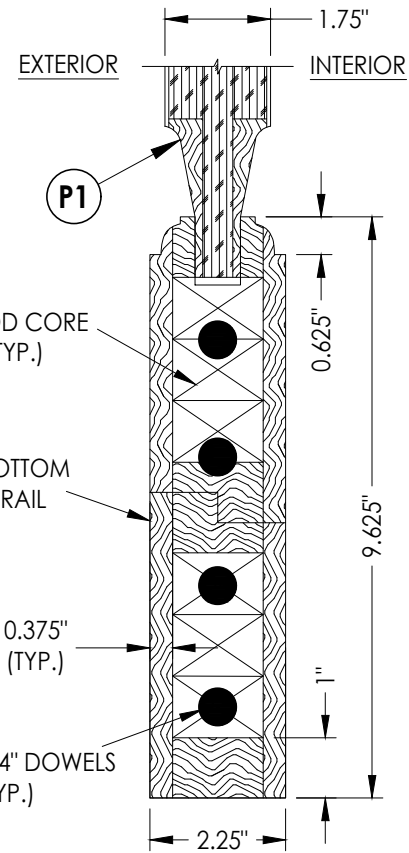
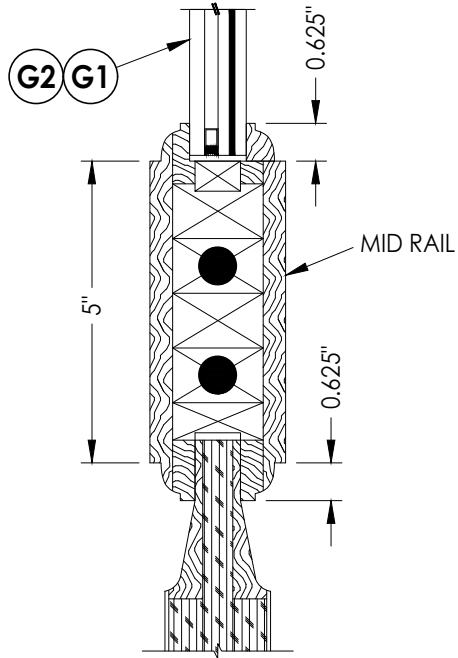
1
3 HORIZONTAL CROSS SECTION



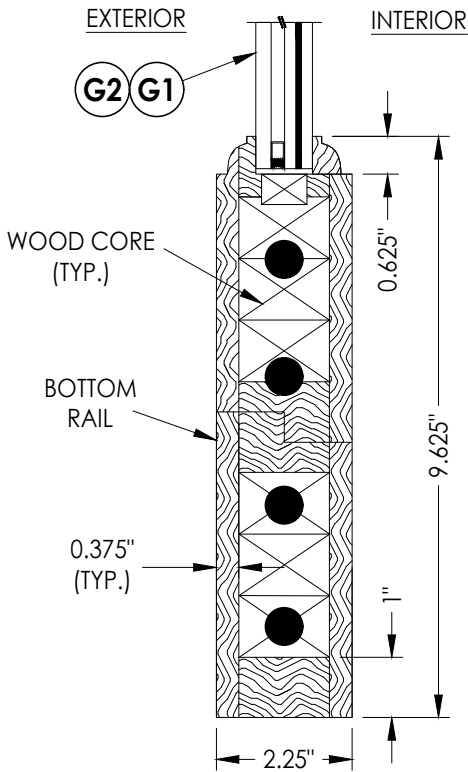
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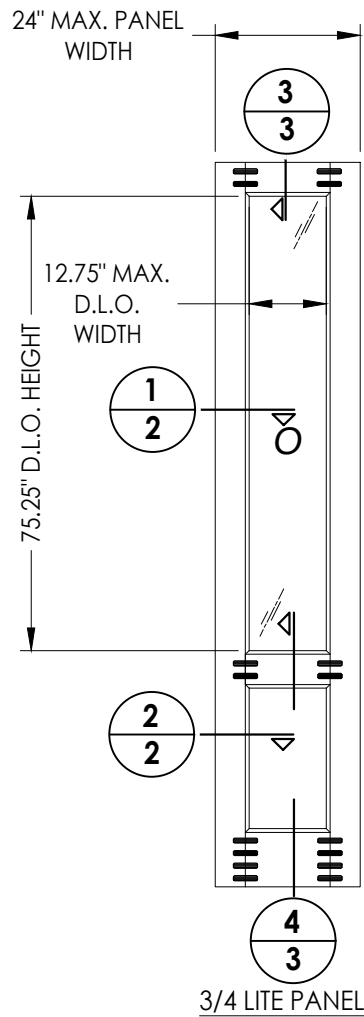
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3 VERTICAL CROSS SECTION



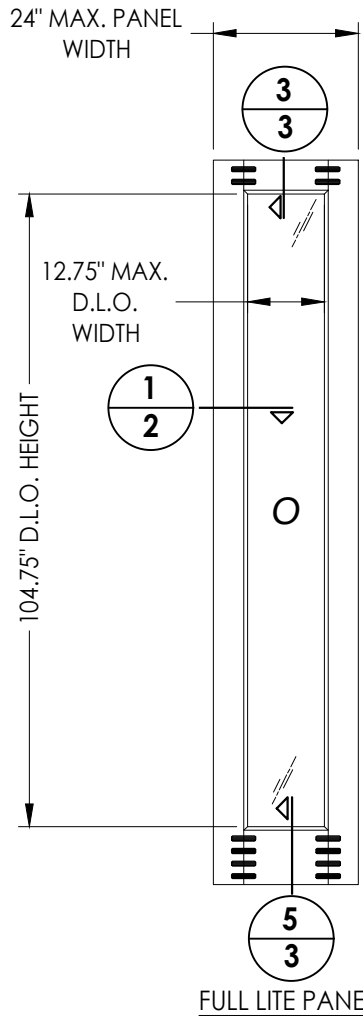
4
3 VERTICAL CROSS SECTION



5
3 VERTICAL CROSS SECTION



3/4 LITE PANEL



FULL LITE PANEL

50 WOOD SIDELITE PANELS
Glazed or Opaque (MILLWORK 360)

WOOD SIDELITE COMPONENTS:
VENEER/EDGES: MAHOGANY (G = 0.55)
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

DATE: 3/09/17

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

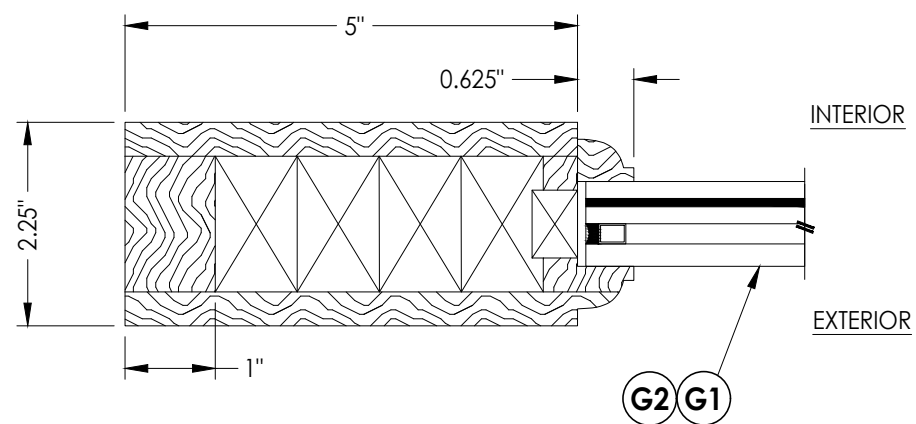
DRAWING NO.: FL-21891.16

SHEET 3 OF 15

RW BUILDING CONSULTANTS, INC.
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Technical drawing of a rectangular panel. The overall dimensions are 84.75" MAX. PANEL WIDTH and 41.625" MAX. PANEL HEIGHT. The inner rectangular area has a width of 73.5" MAX. D.L.O. WIDTH and a height of 30.375" MAX. D.L.O. HEIGHT. A circular feature is located on the left side of the panel, with a diameter of 2/4. The panel is shown with a dashed line indicating a break or fold.

1 4 HORIZONTAL CROSS SECTION



2 **HORIZONTAL CROSS SECTION**
4

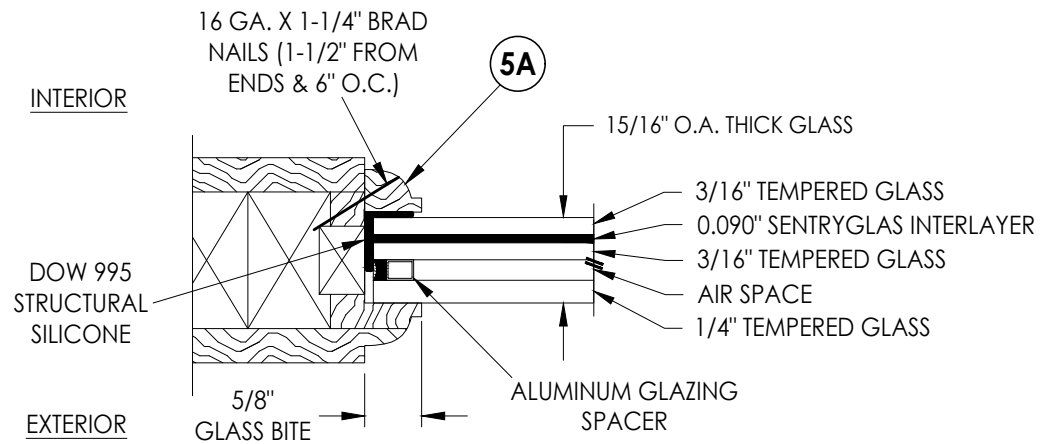
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PRODUCT:	MILLWORK 360 WOOD DOOR
PART OR ASSEMBLY:	TRANSOM PANEL DETAILS

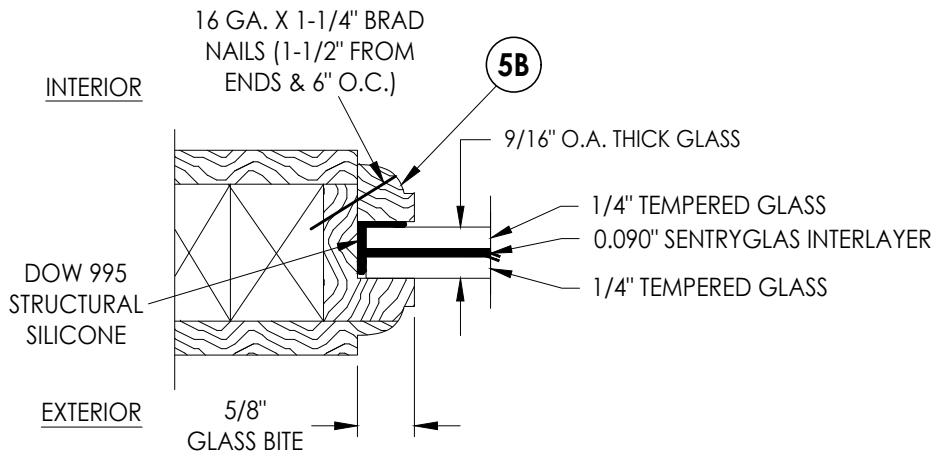
Documents Prepared By:
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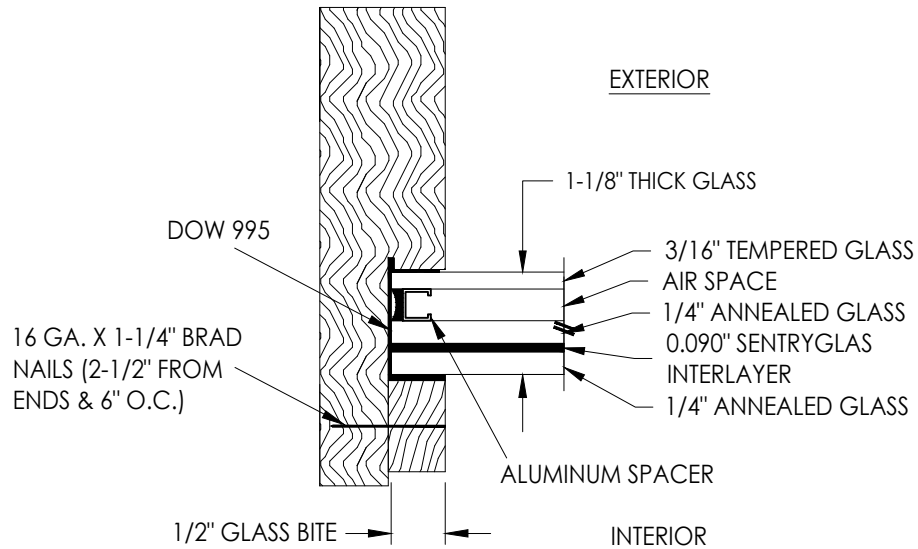
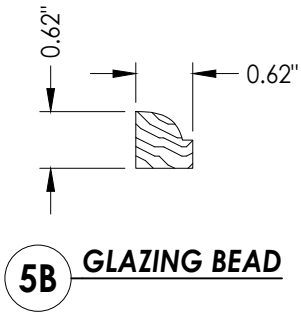
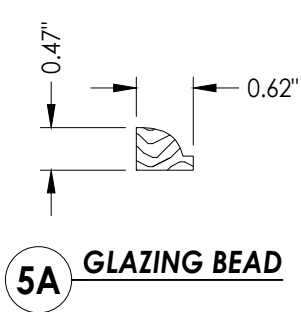
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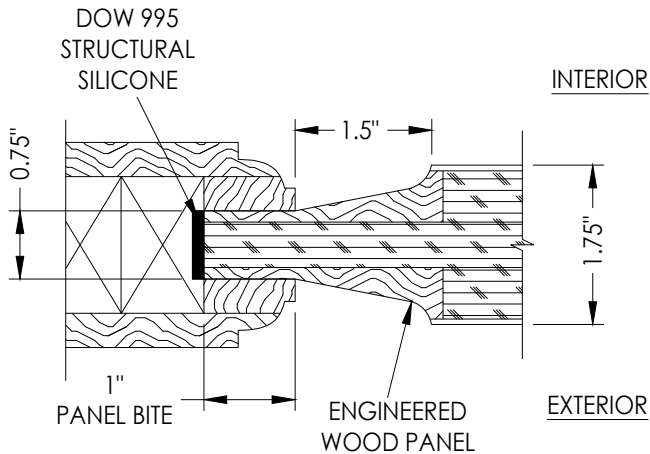
G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL



P1 PANEL INFIL DETAIL

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
GLAZING & PANEL INFIL
DETAILS

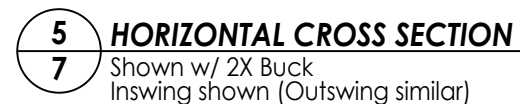
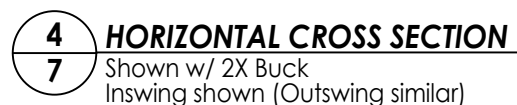
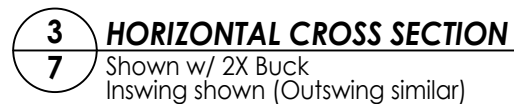
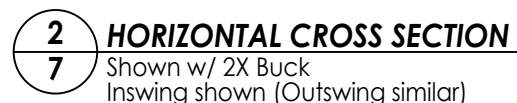
REVISIONS		NO.	DATE	BY

DATE: 10/01/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-21891.16
SHEET 5 OF 15

HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	MULTIPOINT HARDWARE: HLS 9000 SERIES MULTIPOINT LOCK ROUNDBOLT/SHOOTBOLT (5-PT.)
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)

[illegible]

1. Item #22 located 4" from each end & 9 more equally spaced (11 total).
2. Item #22 located 4" from each end & 1 at the center line (3 total).



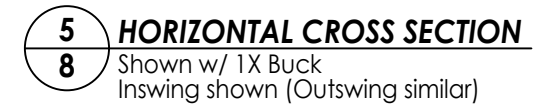
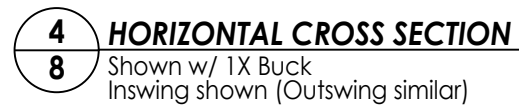
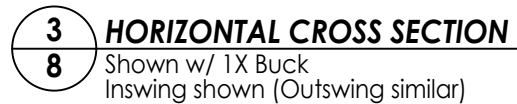
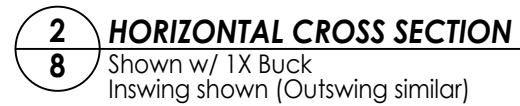
R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)

[illegible]

SHEET 7 OF 15

1. Item #22 located 4" from each end & 9 more equally spaced (11 total).
2. Item #22 located 4" from each end & 1 at the center line (3 total).



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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

[illegible]

FL-21891.16

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RGA-BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

PRODUCT: MILLWORK 360
WOOD DOOR

OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

[illegible]

1. Item #26 located 4" from each end & 1 at the center line (3 total).

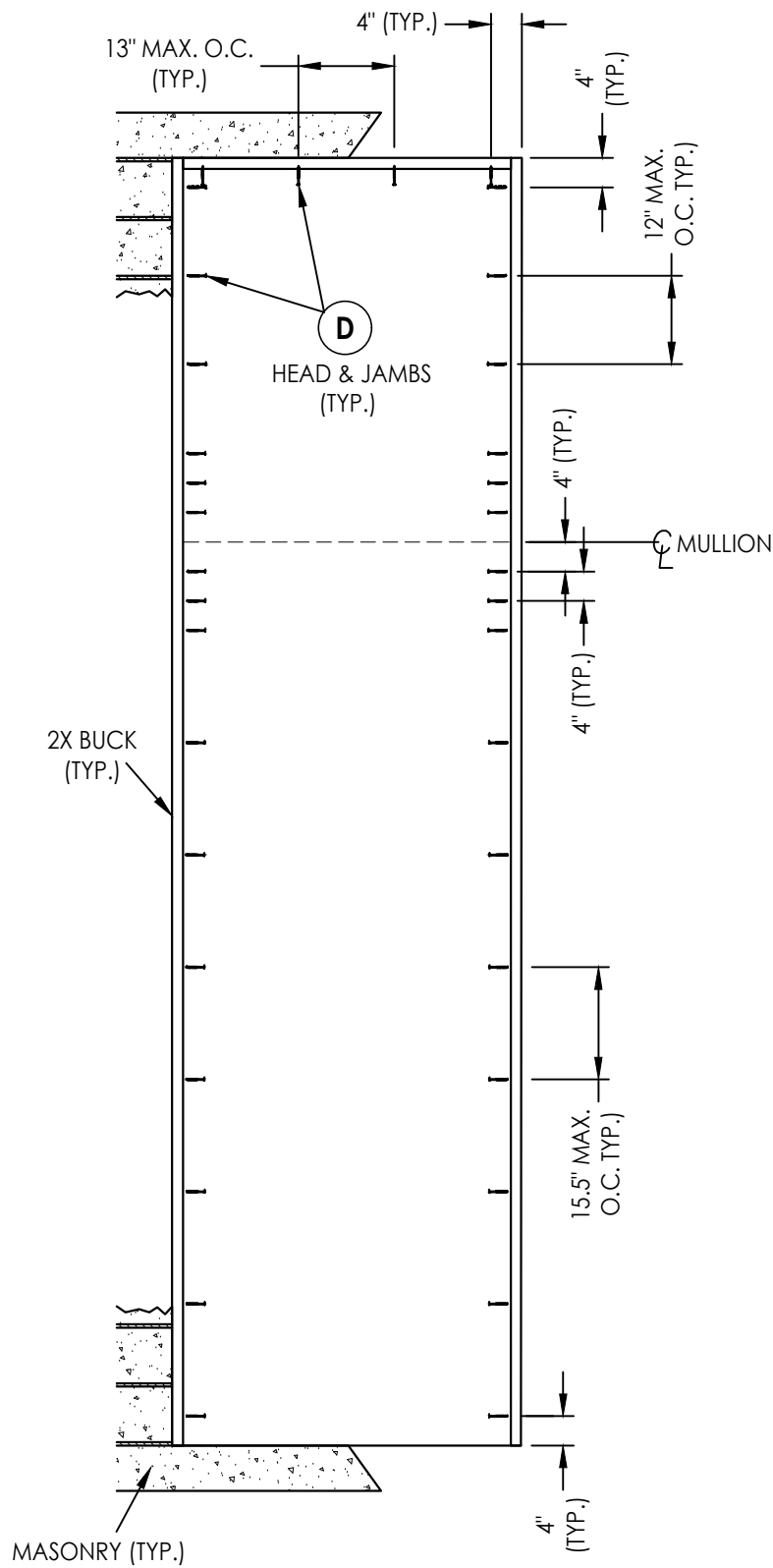
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

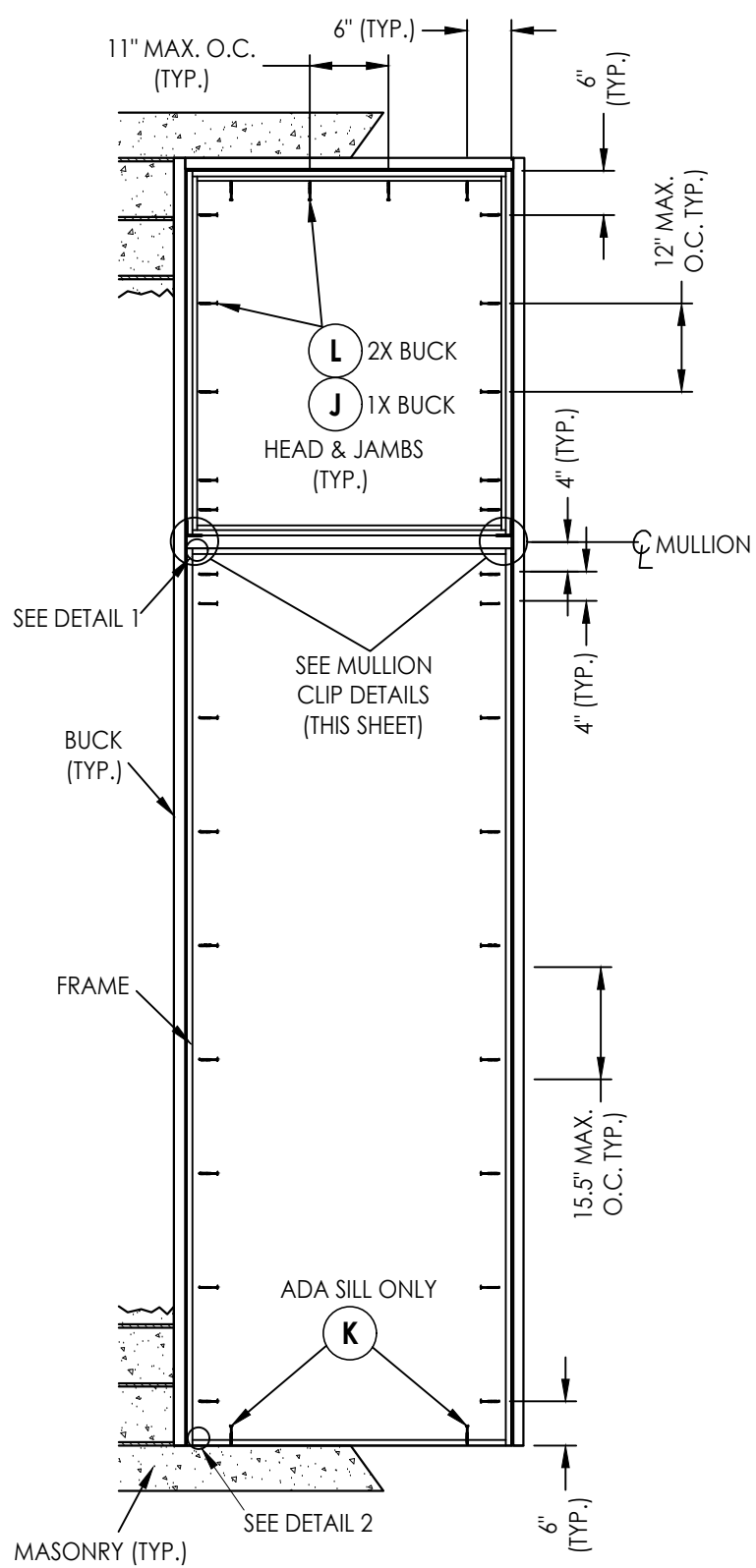
R_W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLD)

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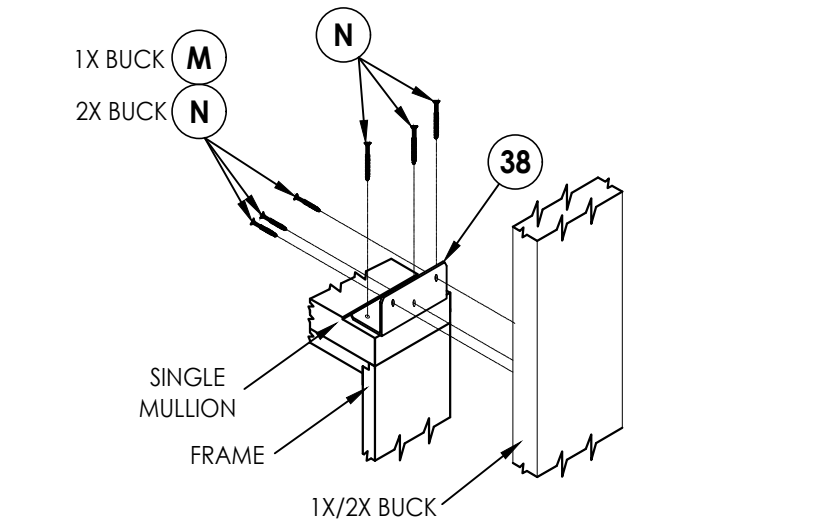


2X BUCK ANCHORING
O/X

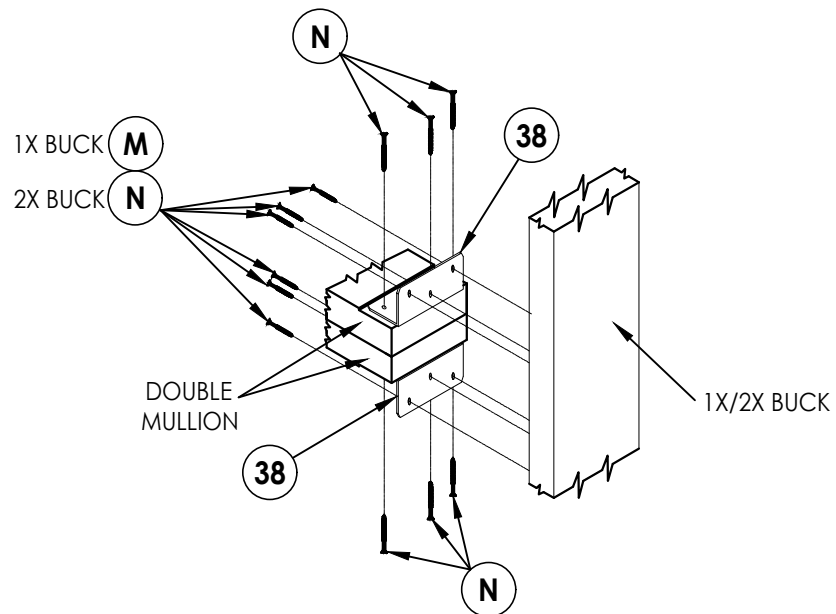


FRAME ANCHORING
O/X
(Shown w/ Single Mullion)

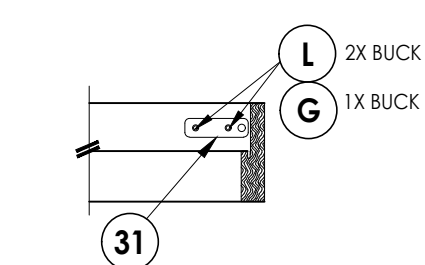
NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.



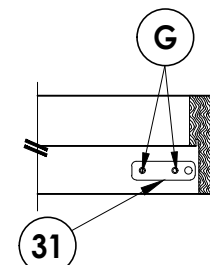
SINGLE MULLION CLIP DETAIL



DOUBLE MULLION CLIP DETAIL



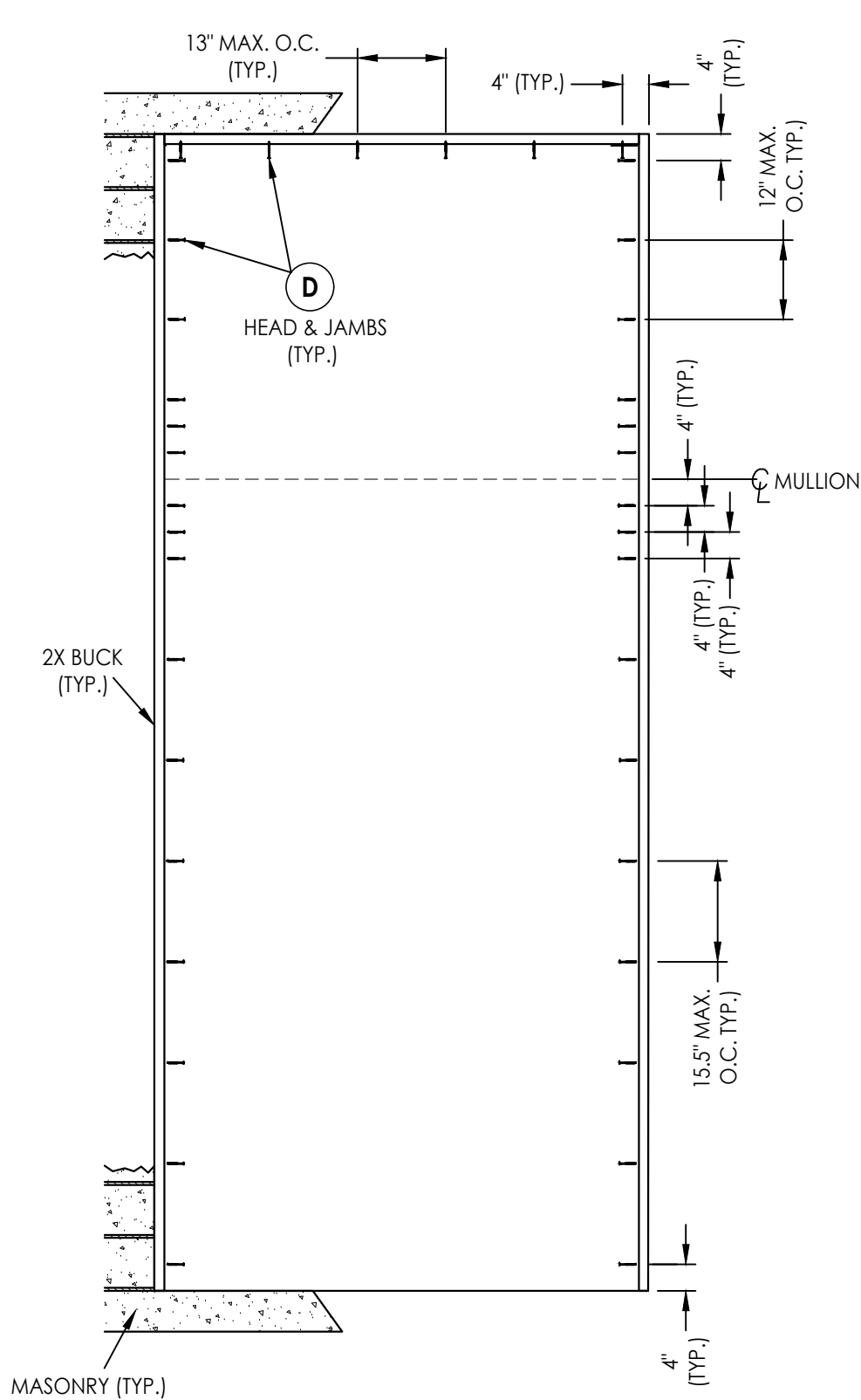
SHOOTBOLT STRIKE @ HEAD
1" X 3.75" STEEL PLATE (0.10" THICK)



SHOOTBOLT STRIKE @ SILL
1" X 3.75" STEEL PLATE (0.10" THICK)

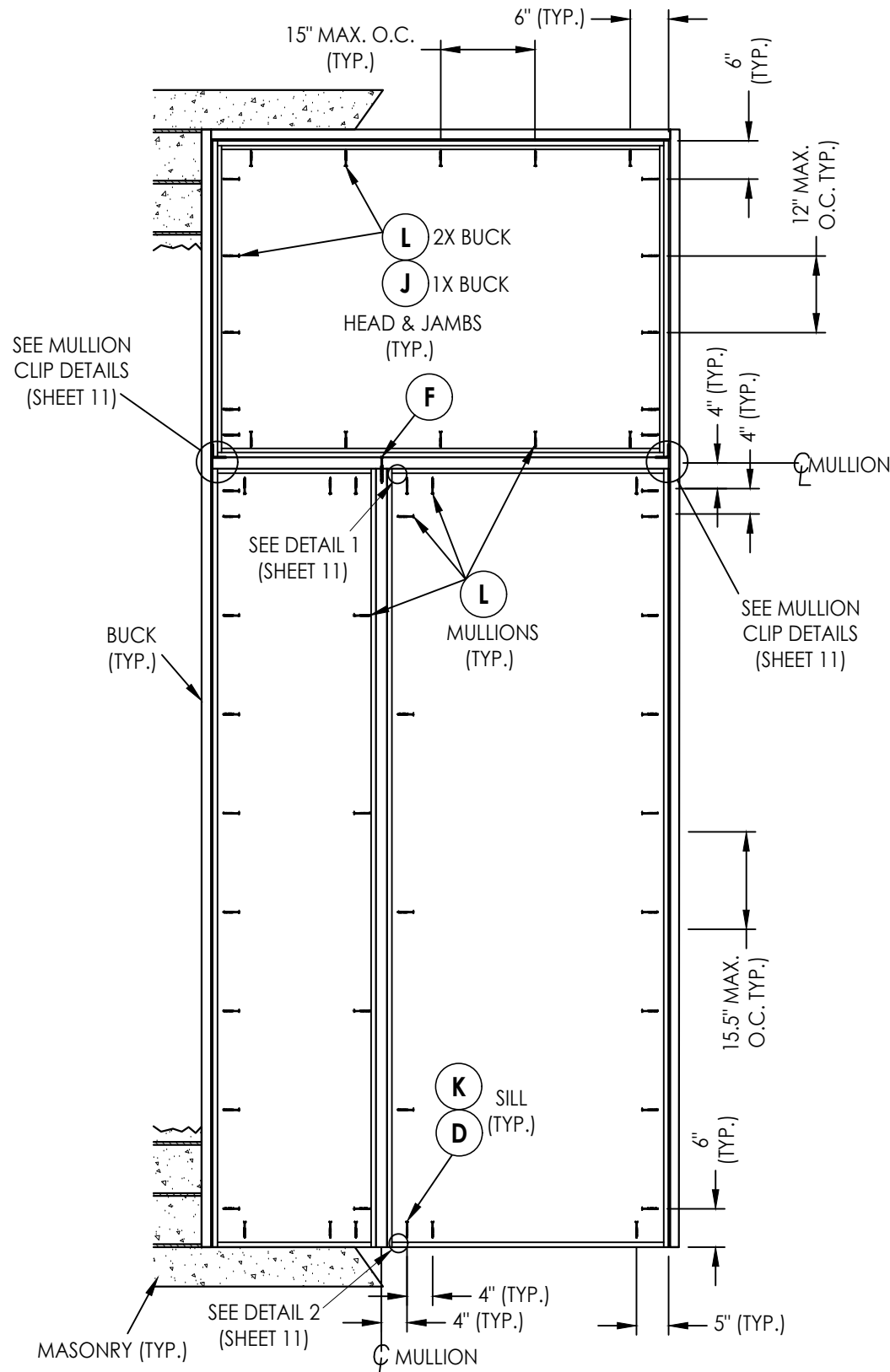
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: MILLWORK 360 WOOD DOOR		PART OR ASSEMBLY: BUCK & FRAME ANCHORING (O/X)	
			BY
			NO.
			DATE
			REVISIONS
DATE: 2/14/17			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-21891.16			
SHEET 11 OF 15			

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2X BUCK ANCHORING
O/OX Shown (O/XO - Similar)

NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.



FRAME ANCHORING
O/OX Shown (O/XO - Similar)
(Shown w/ Single Mullion)

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(O/OX)

DATE: 2/14/17

SCALE: N.T.S.

DWG. BY: LFS

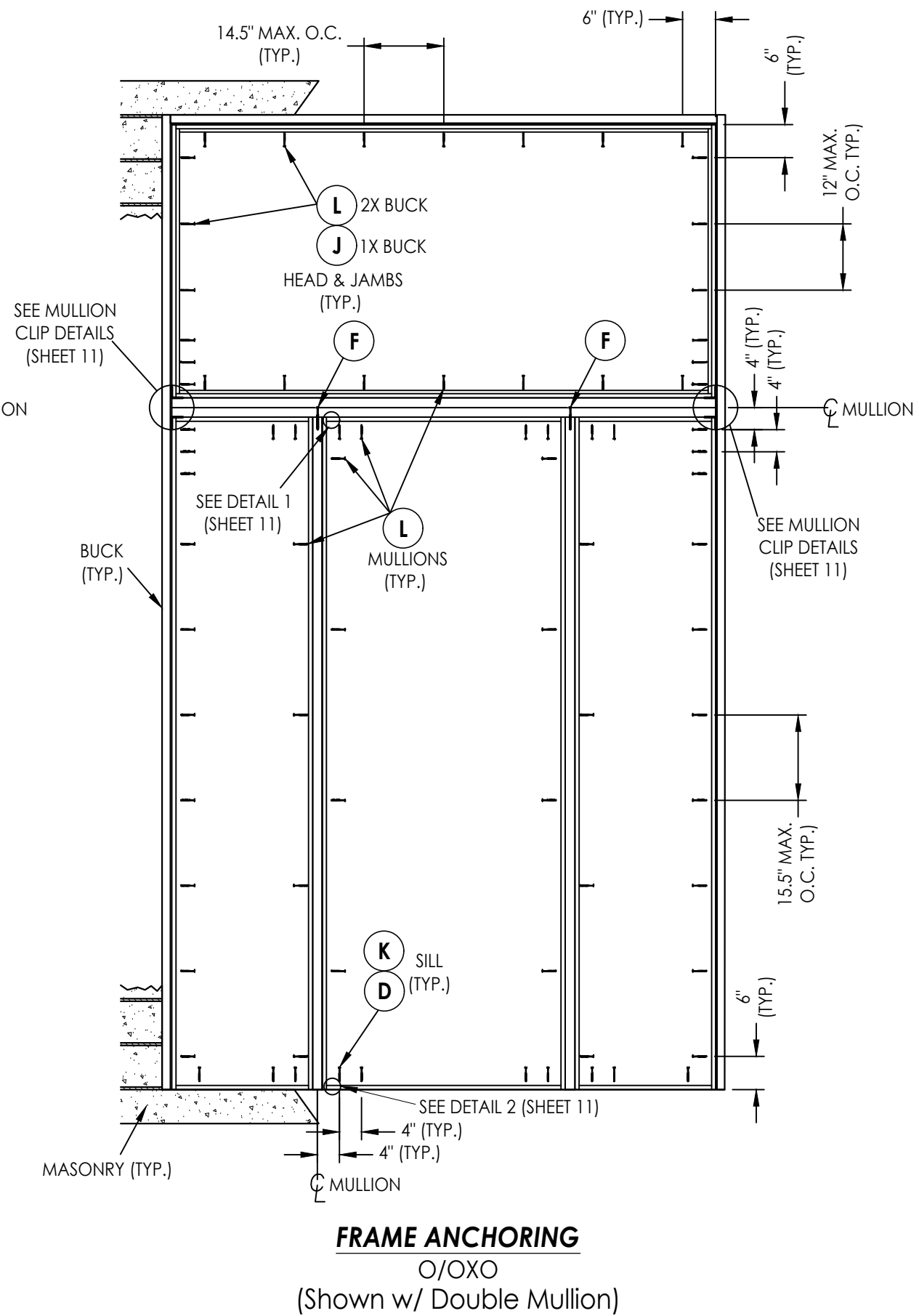
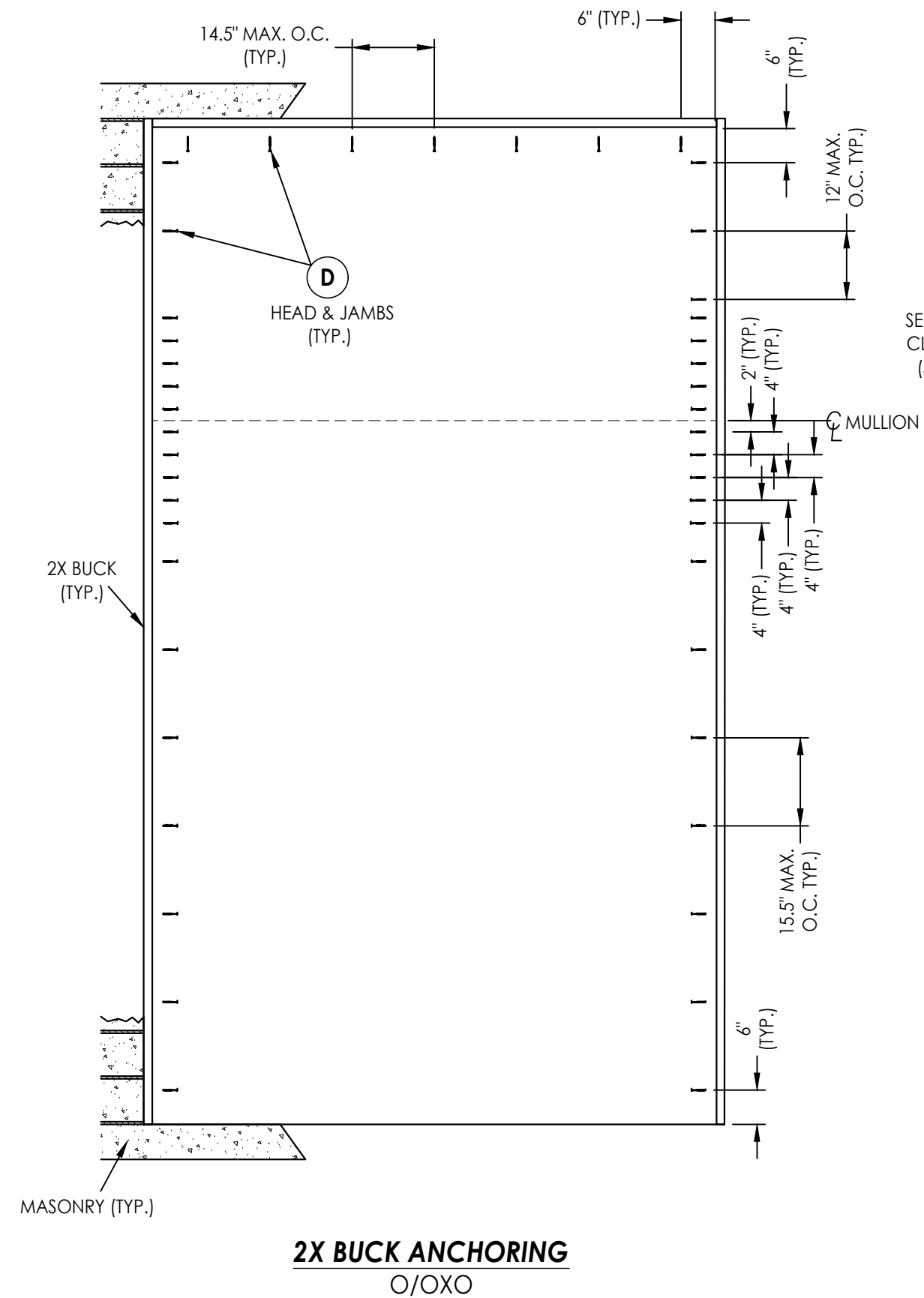
CHK. BY: RW

DRAWING NO.:

FL-21891.16

SHEET 12 OF 15

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Phone No.: 813.659.9197
FBPE Registry No. 9813



NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.

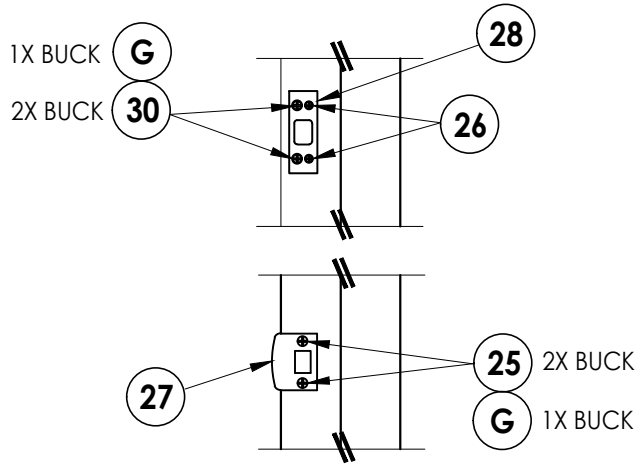
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

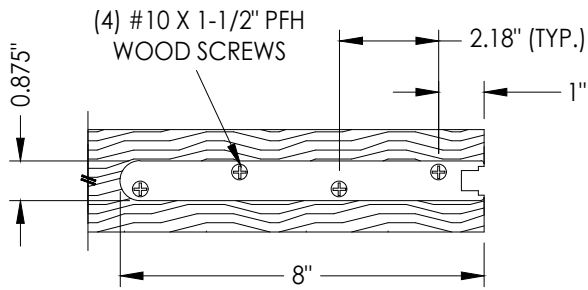
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(O/OXO)

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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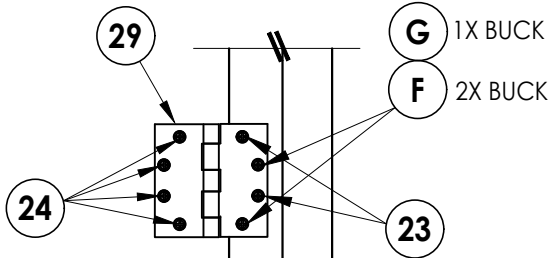


LATCH & DEADBOLT STRIKE DETAIL



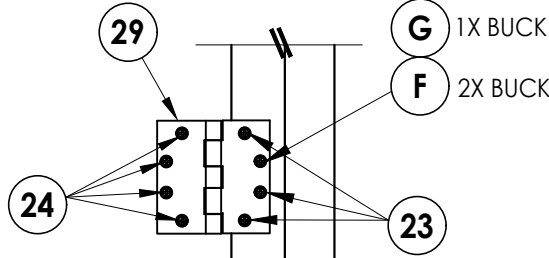
SHOOTBOLT REINFORCMENT

AT TOP & BOTTOM OF DOOR PANEL
(1/8" THICK STEEL)



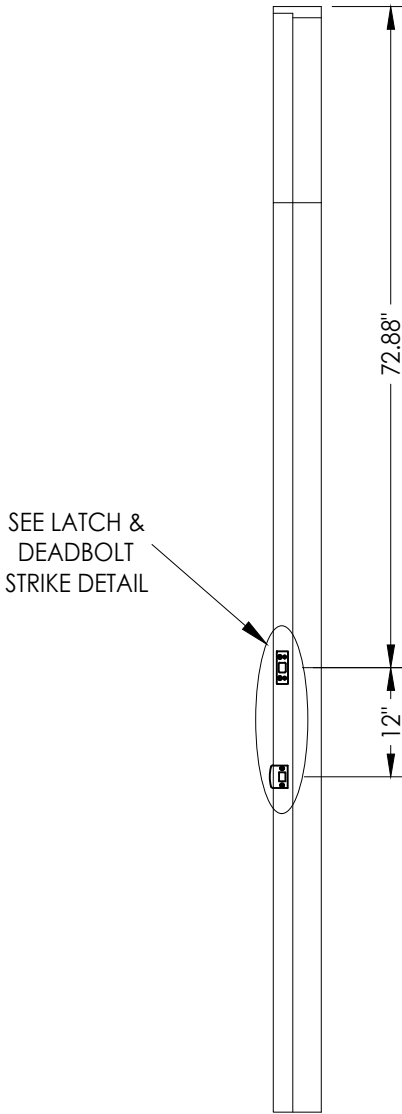
HINGE DETAIL

INSWING

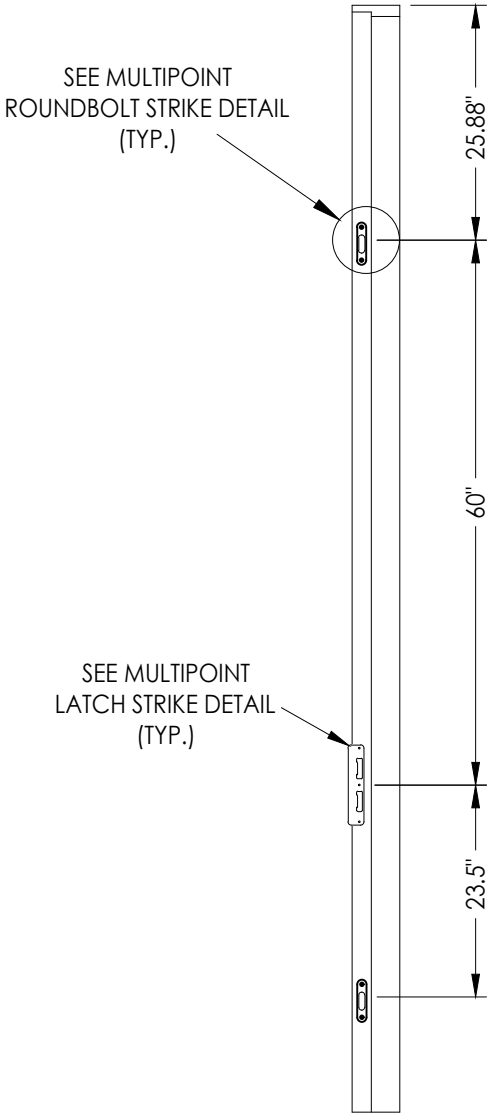


HINGE DETAIL

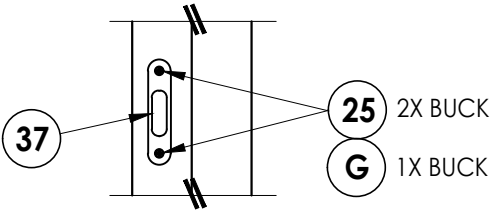
OUTSWING



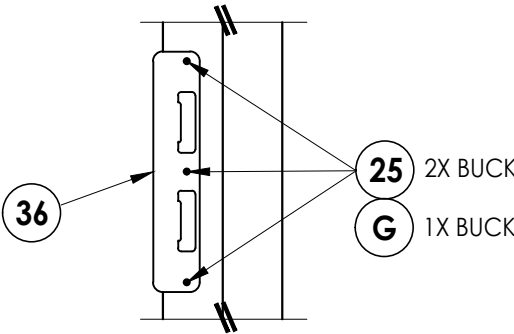
LATCH & DEADBOLT DETAILS



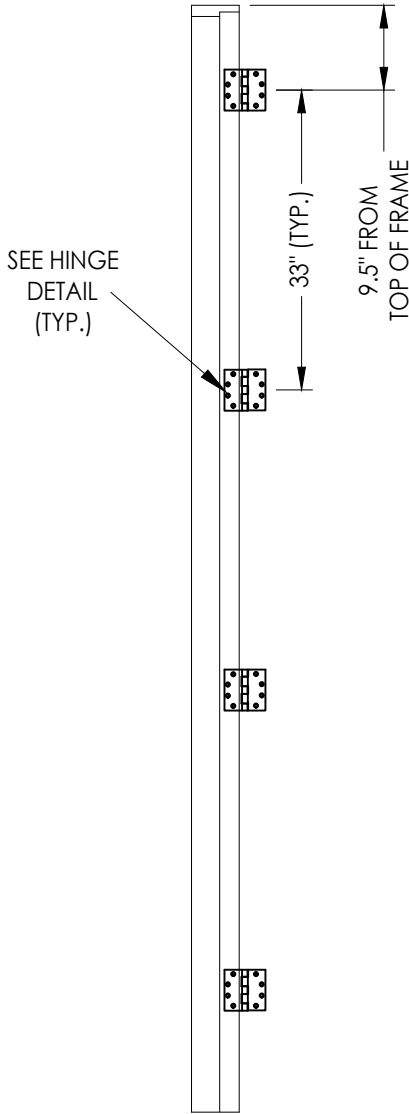
MULTIPOINT LOCK DETAILS



MULTIPOINT ROUND BOLT STRIKE DETAIL



MULTIPOINT STRIKE DETAIL



HINGE JAMB

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	REVISIONS	BY

DATE: 2/14/17

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

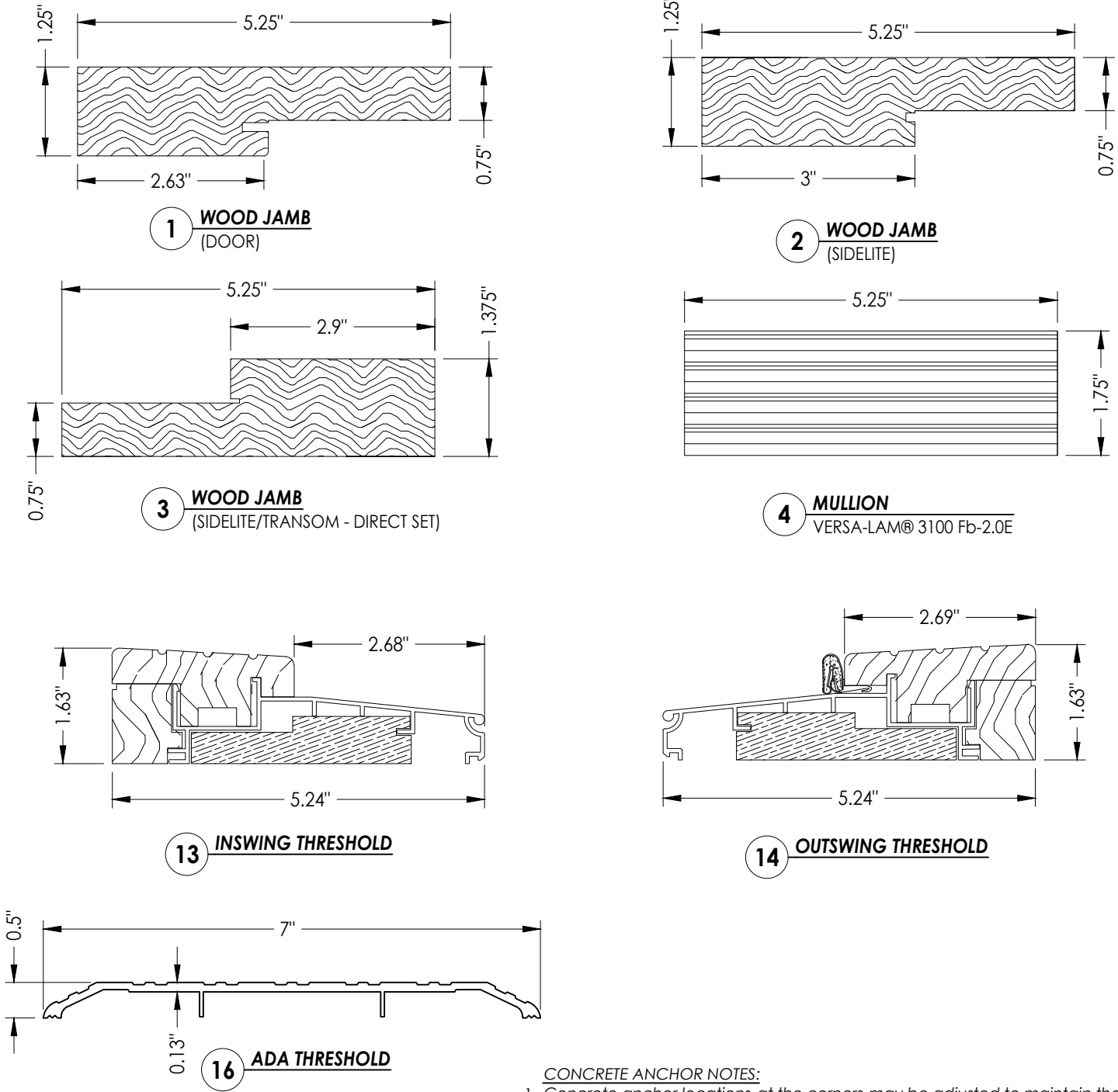
DRAWING NO.:

FL-21891.16

SHEET 14 OF 15

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#12 X 2-1/2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" PFH DeWALT CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
N	#10 X 1-1/2" PFH WOOD SCREW	STEEL
1	WOOD JAMB (DOOR)	WOOD
2	WOOD JAMB (SIDELITE)	WOOD
3	WOOD JAMB (SIDELITE/TRANSOM - DIRECT SET)	WOOD
4	MULLION	LVL
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
22	#10 X 2" PFH WOOD SCREW	STEEL
23	#12 X 3/4" PFH WOOD SCREW	STEEL
24	#12 X 1-1/4" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	5" X 5" HINGE	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
31	SHOOTBOLT STRIKE PLATE	STEEL
36	MULTIPOINT STRIKE PLATE	STEEL
37	MULTIPOINT ROUND BOLT STRIKE DETAIL	STEEL
38	MULLION ANGLE CLIP (USP ML24-TZ)	STEEL
40	DOOR PANEL	WOOD
50	SIDELITE PANEL	WOOD
70	TRANSOM PANEL	WOOD

WOOD FRAME COMPONENTS: MAHOGANY ($G = 0.55$)



- CONCRETE ANCHOR NOTES:
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
 2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
 3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"
DeWALT ULTRACON+®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:
Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

[illegible]