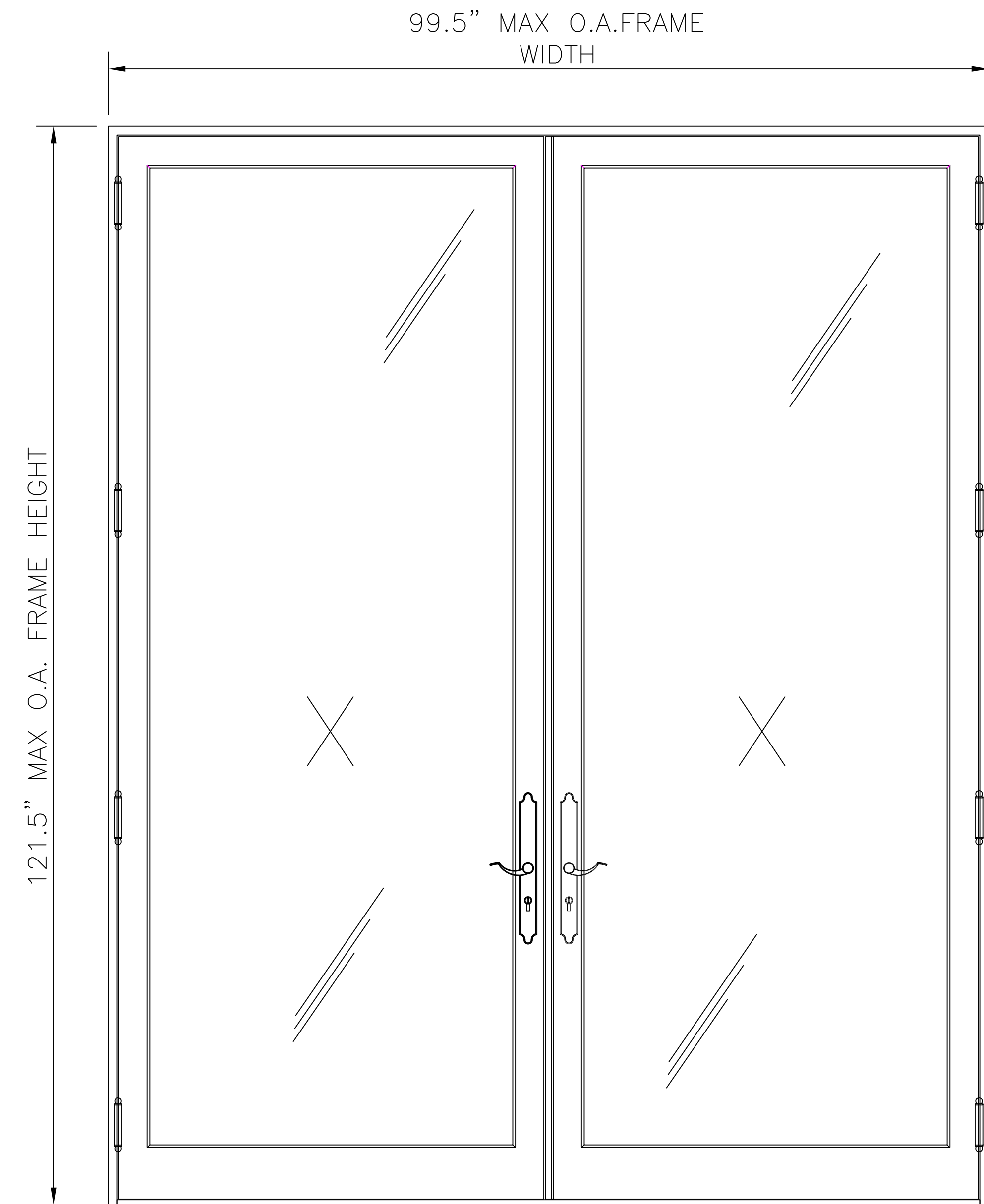


# GLAZED WOOD DOUBLE OR SINGLE DOOR – INSWING – "IMPACT" BY OWW LLC

DESIGN PRESSURE = + 60.0 PSF, – 60.0 PSF

## GENERAL NOTES

1. This product has been evaluated and is in compliance with 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ). This product is tested for limited water performance (full water spray at zero pressure) and is intended only for areas where this is acceptable, or in nonhabitable areas, or in areas protected by a 1:1 overhang in accordance with FBC section 1709.5.1
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base materials shall be beyond wall dressing or stucco. All anchors used shall be of a material or have a coating compatible with pressure treated wood if used, and all other window materials.
3. When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" required wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. The opening substrate materials (framing, masonry, bucks) are by others and must be properly designed and installed to transfer superimposed loads to the structure. For 2X stud framing construction, anchoring of these units shall be the same as that shown for 2X buck masonry construction. Wood bucks over masonry, if used, shall be pressure treated, with either a treatment or coating compatible with this product and anchors.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product does not meet the water infiltration requirements for "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang o canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Sealing and flashing strategies for overall water infiltration resistance of the field-installed product shall be the responsibility of others and are not addressed by this document.

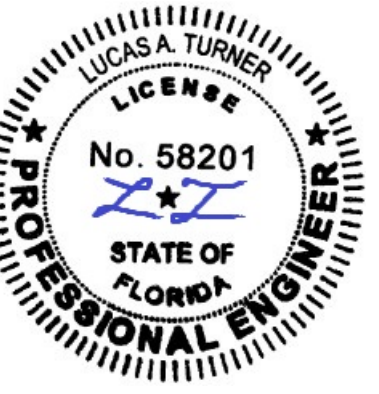


## TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel details and glazing details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Frame anchoring
7	Hardware details
8	Bill of materials and components

TABLE 1. QUALIFIED ANCHOR INFORMATION

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	SOLID UNCRACKED CONCRETE (3050 PSI MIN.)	1/4" DEWALT COATED CARBON STEEL ULTRACON+	1 3/8"	2 1/2"
B	GROUT-FILLED CMU (ASTM C-90) (JAMBS ONLY)	1/4" DEWALT COATED CARBON STEEL ULTRACON+	1 3/4"	2 1/2"
C	SOLID UNCRACKED CONCRETE (2000 PSI MIN.)	1/4" ITW COATED CARBON STEEL TAPCON	1 1/2"	1 1/2"
D	HOLLOW CMU (117 PCF MIN.) (JAMBS ONLY)	1/4" ITW COATED CARBON STEEL TAPCON	1"	2"
E	CONCRETE (3000 PSI MIN)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
F	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
G	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	#12 GRADE 5 WOOD SCREW	1 1/2"	1"
H	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN.) OR 1/8" MIN. ALUMINUM (6063-T5 MIN.)	#14 ITW TEKS SELF-DRILLING SCREW	FULL + 3 THREADS	1/2"



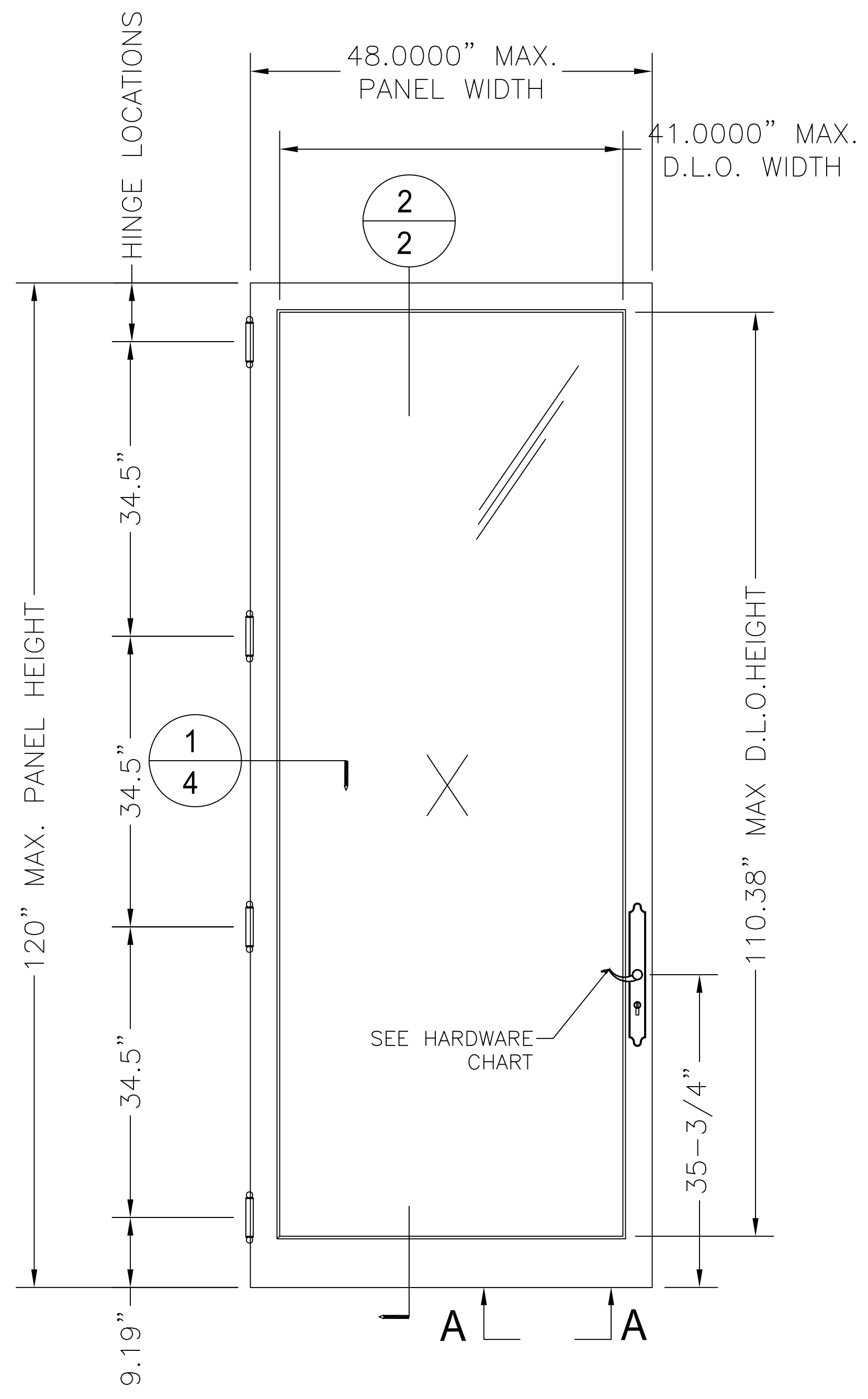
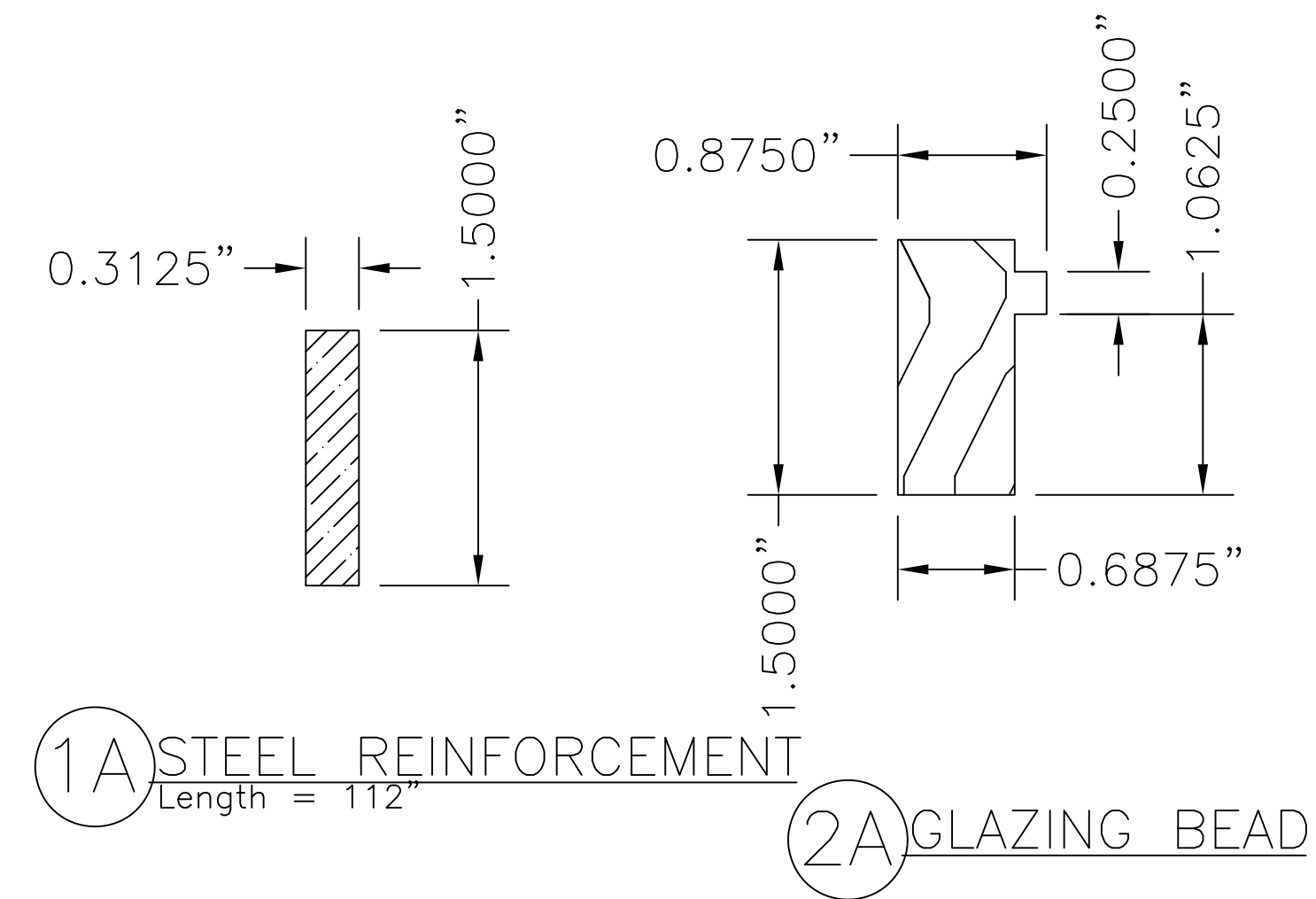
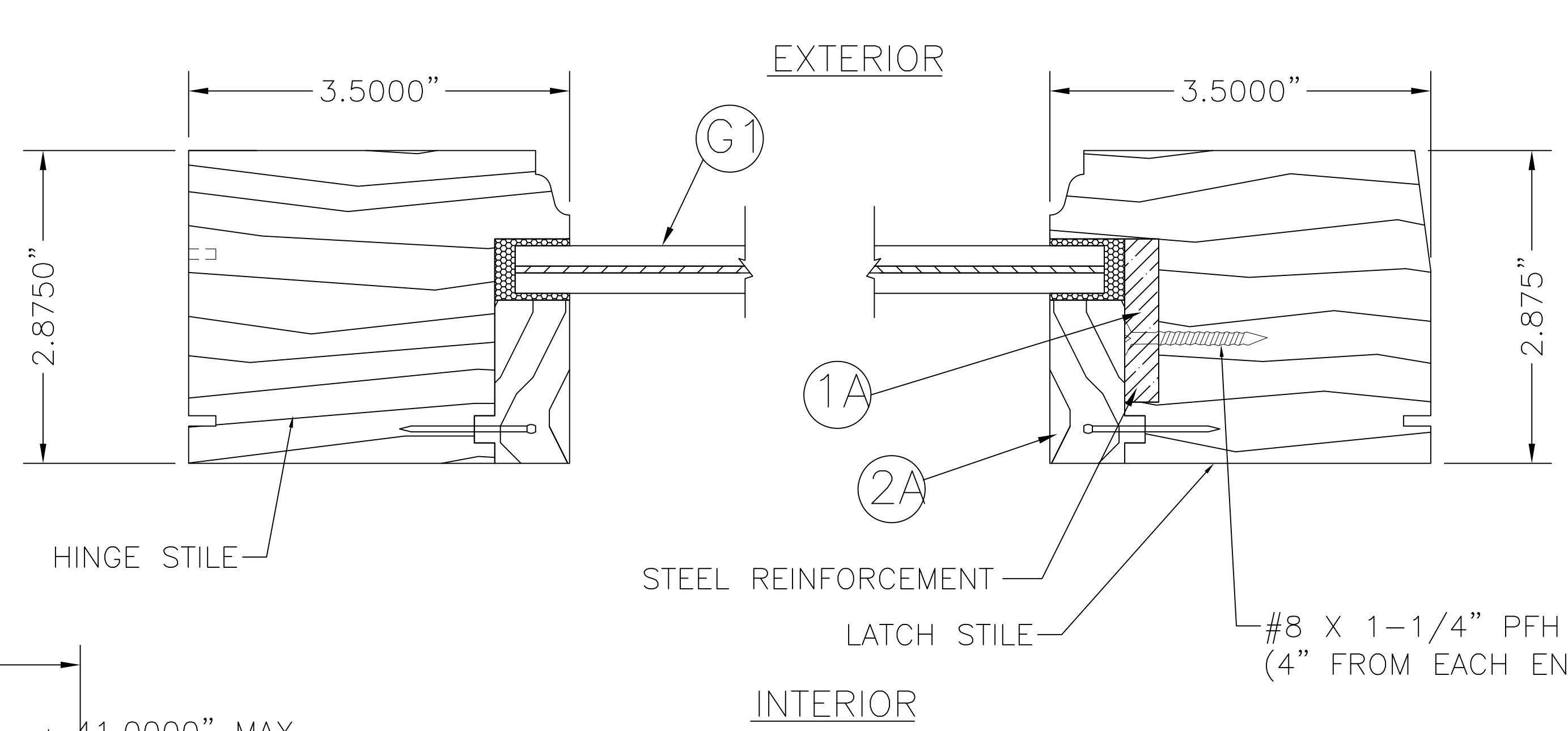
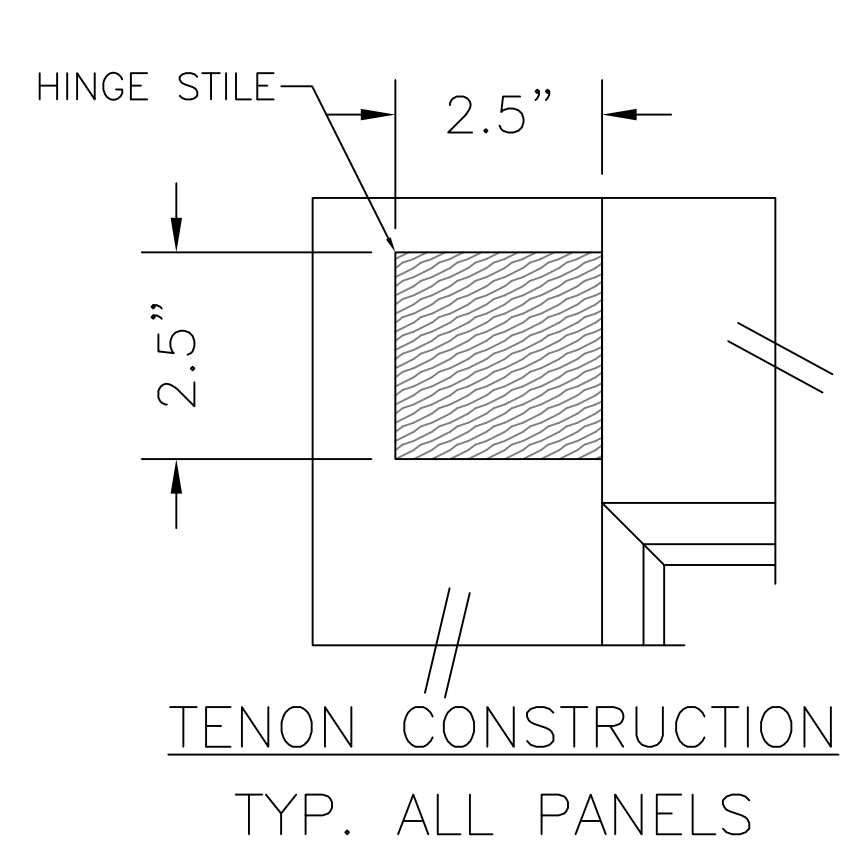
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TURNER ENGINEERING & CONSULTING, INC.  
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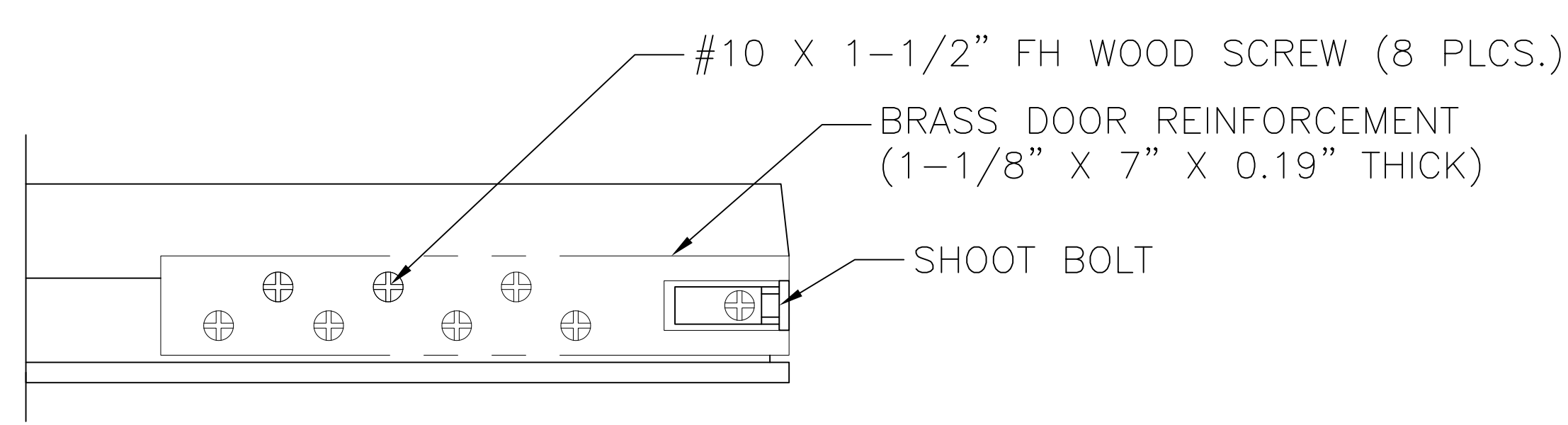
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Date: 05-01-18  
Scale: None  
Drawn: JDS  
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

Dwg: Nar-IS  
FL34945.2

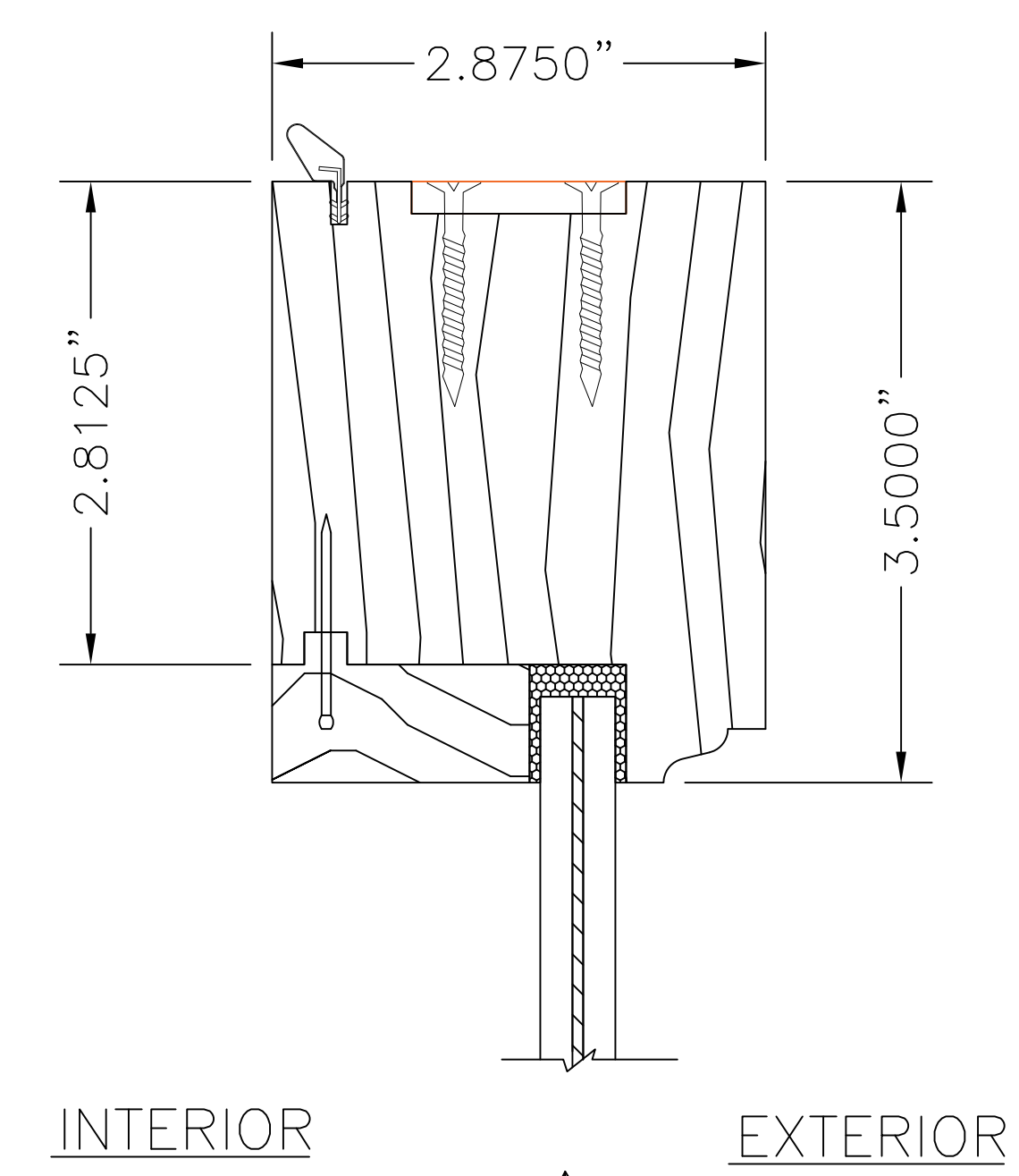


1/2 HORIZONTAL CROSS SECTION

NOTE: GLAZING DETAILS 1 THROUGH 4 MAY BE USED W/ ALL SECTION DETAILS



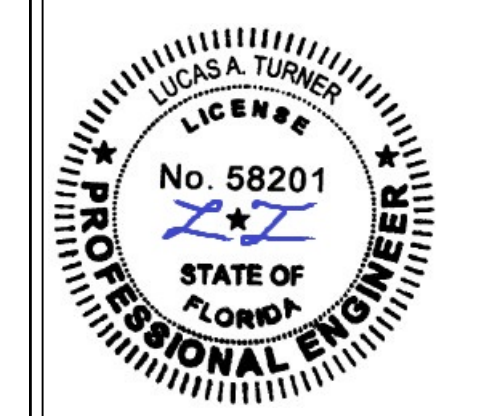
HARDWARE TABLE	
MANUFACTURER	MODEL
KFV	MULTIPOINT LOCK (Active Panel): Latch & Deadbolt, Hookbolts (3) & Shootbolts (2)
KFV	MULTIPOINT LOCK (inactive Panel): Shootbolts (2)



2/2 VERTICAL CROSS SECTION

40 GLAZED WOOD PANEL DOOR  
Oliveri Millworks  
Full Glazed

WOOD DOOR COMPONENTS: G=0.50 MIN. (MAHOGANY OR SIMILAR)



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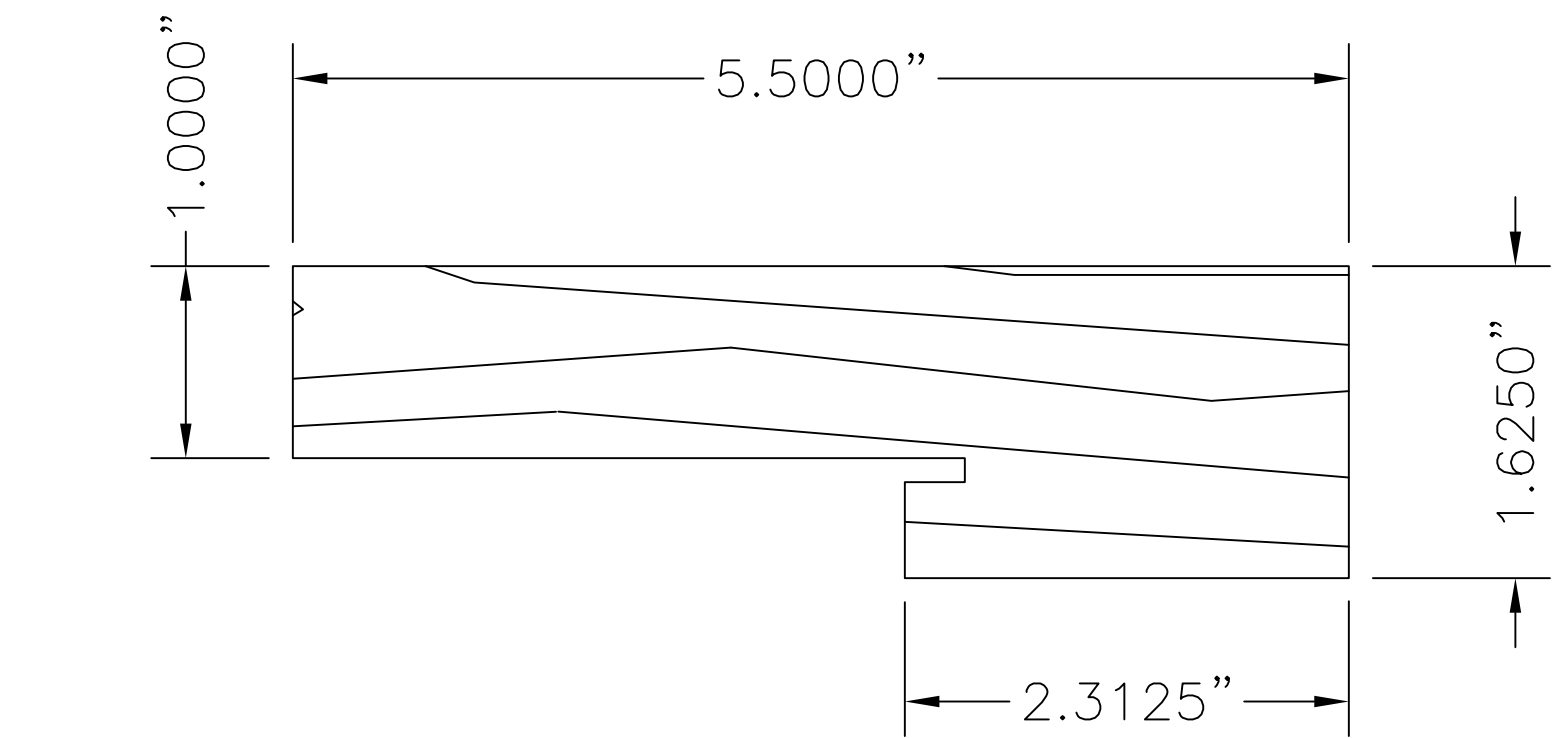
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DOOR PANEL DETAILS & GLAZING DETAILS

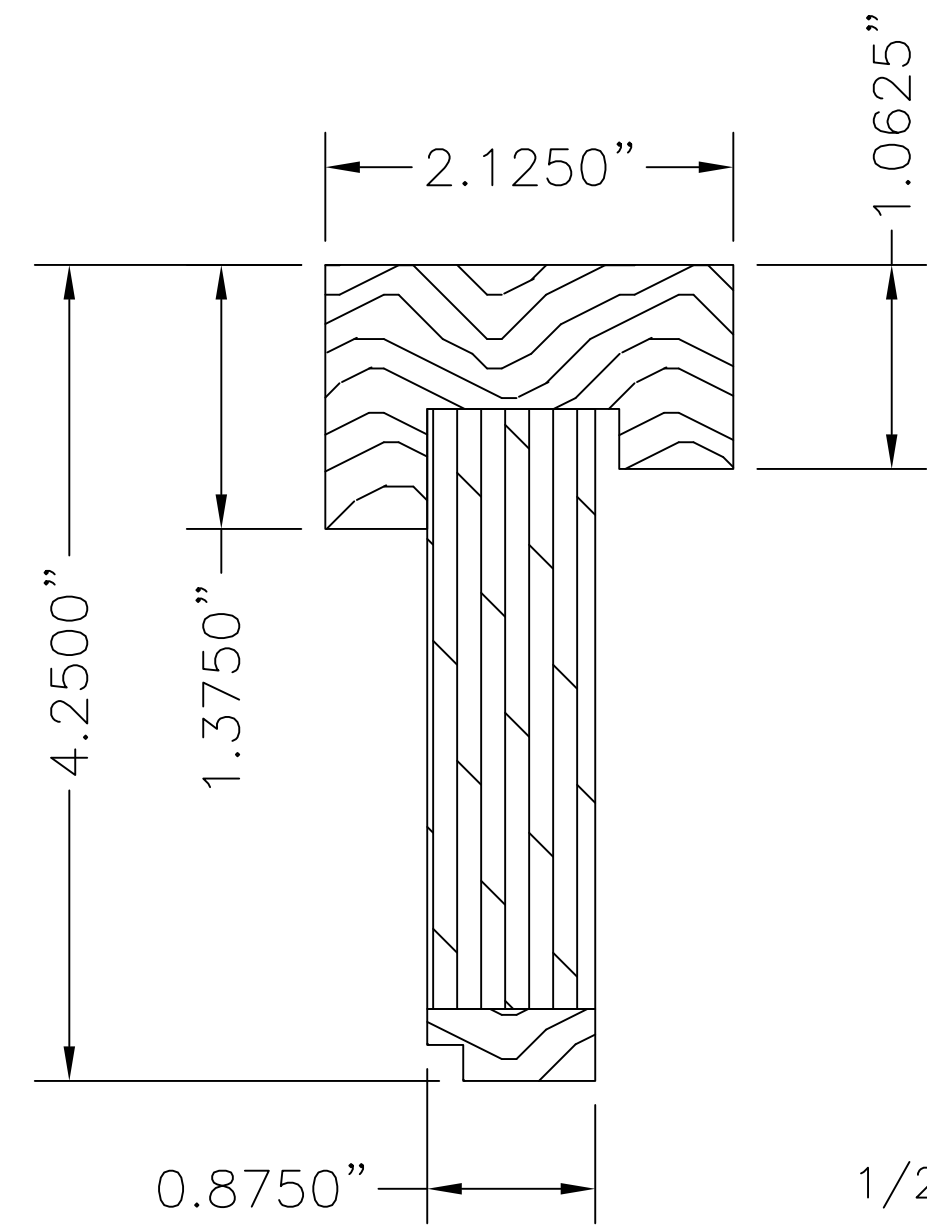
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Dwg: Nar-IS  
FL34945.2

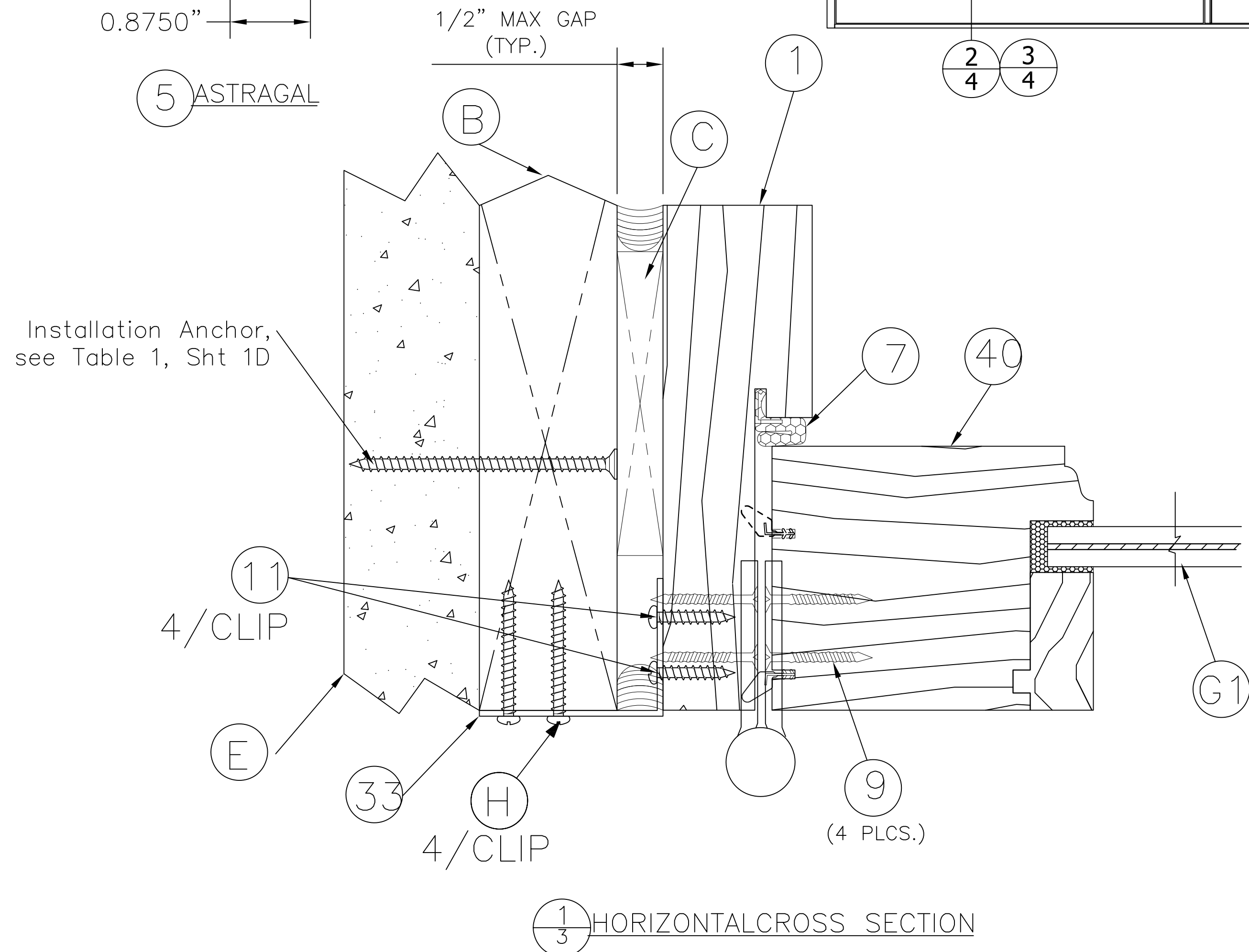
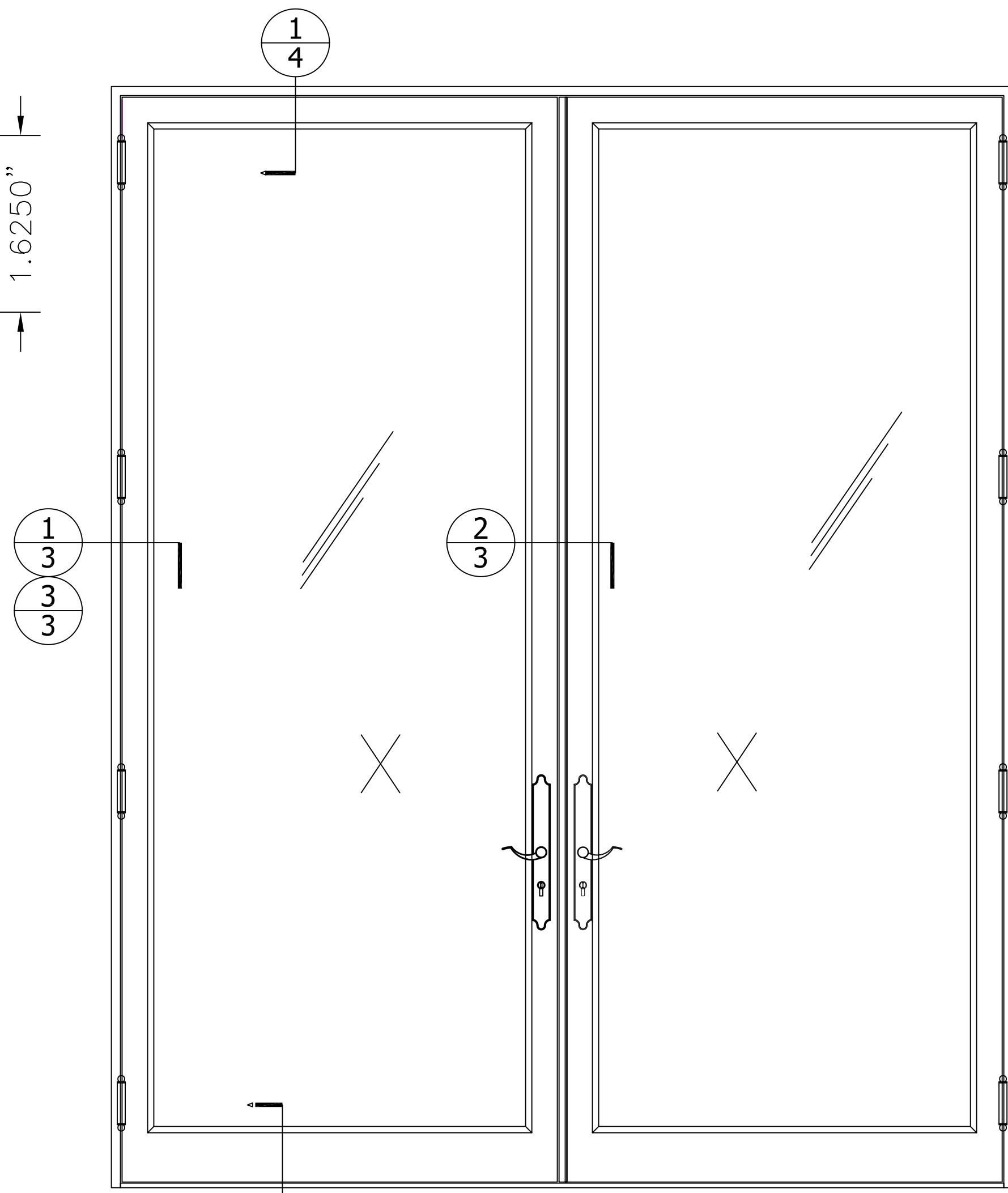
Sheet No.  
2D OF 8



1 HEAD & SIDE JAMB



5 ASTRAGAL

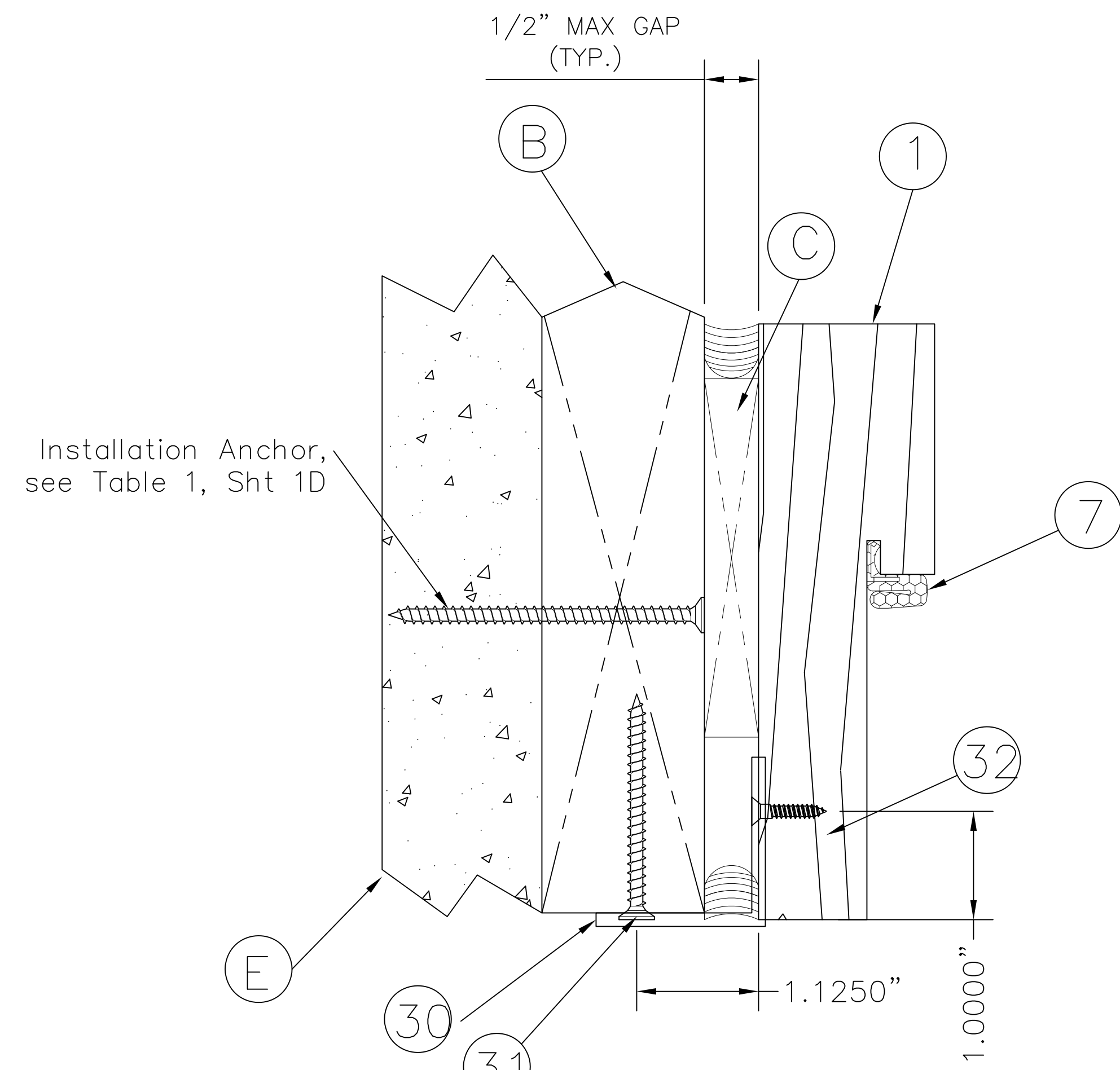


1 HORIZONTALCROSS SECTION

NOTE: GLAZING DETAILS 1 THROUGH 4 MAY BE USED W/ ALL SECTION DETAILS

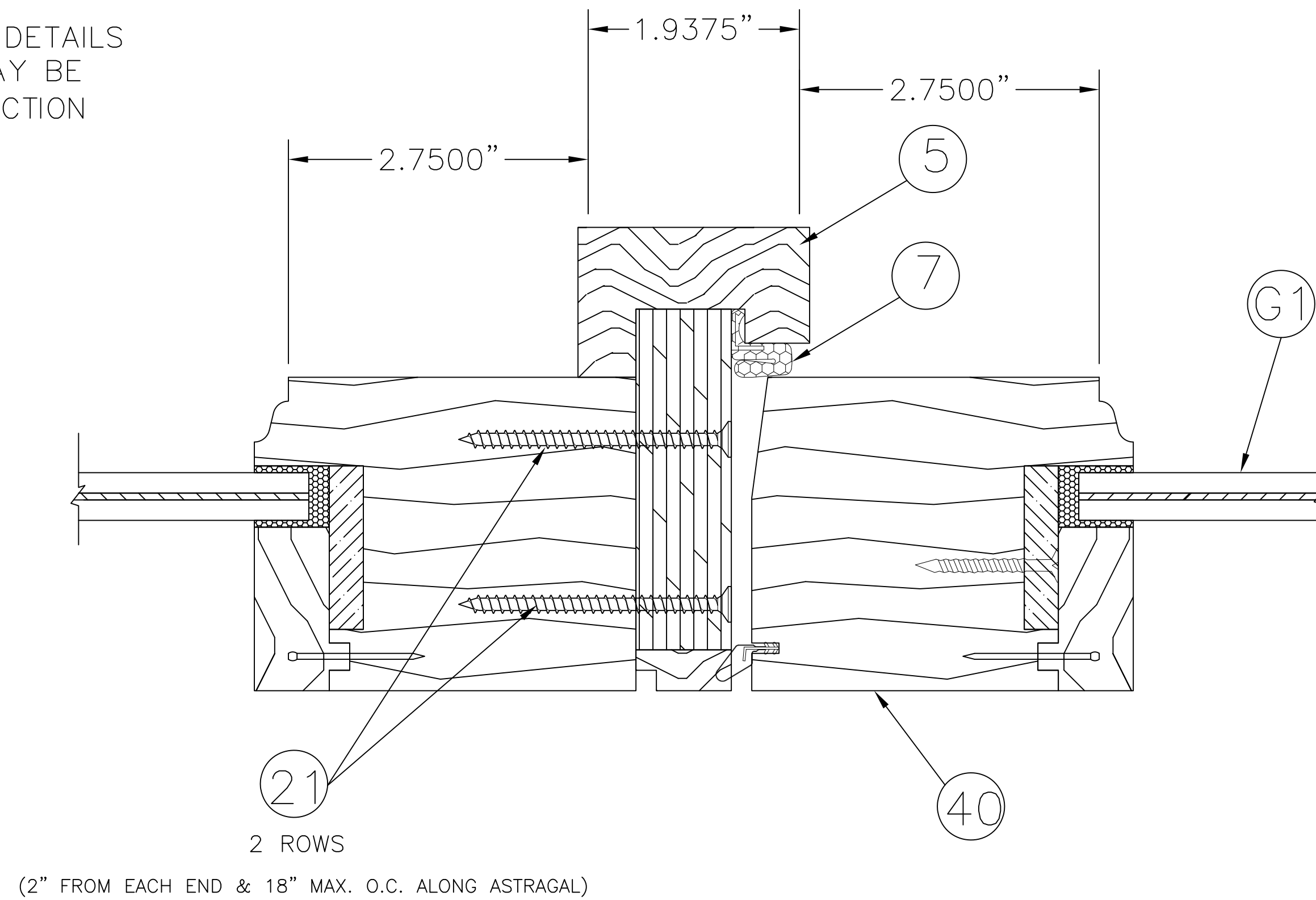
EXTERIOR

INTERIOR

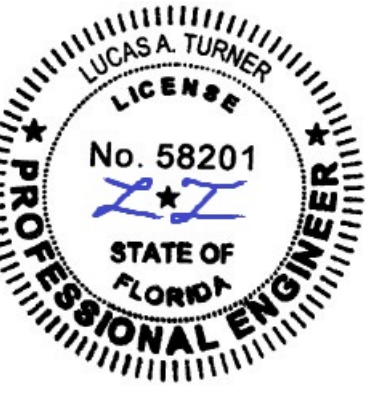


3 HORIZONTALCROSS SECTION  
Aluminum Angle Anchoring Shown

NOTES:  
1. Spacing for item #32: 2\"/>



(2\"/>



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Product: GLAZED WOOD DOUBLE DOOR INSWING

HORIZONTAL CROSS SECTIONS

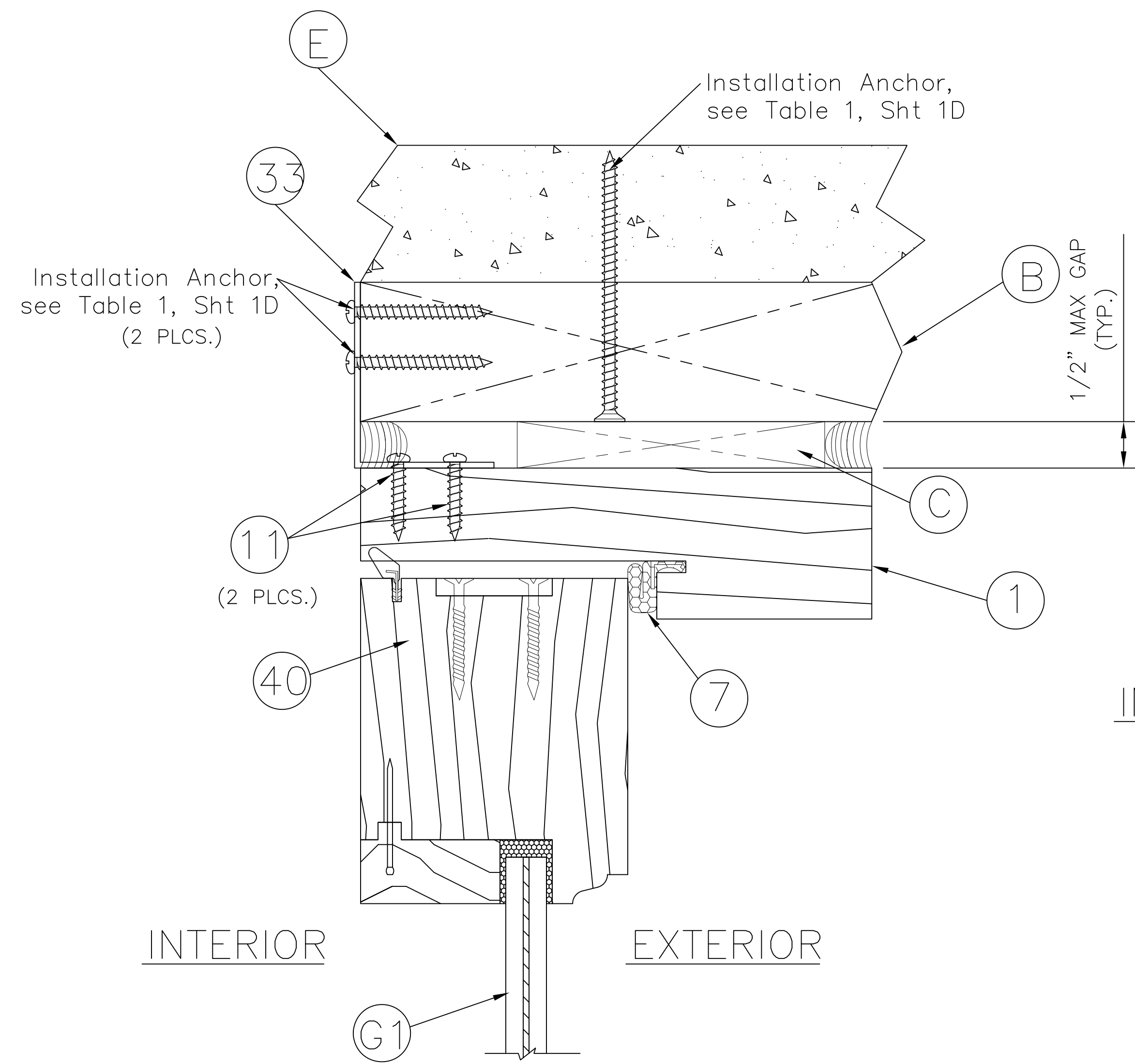
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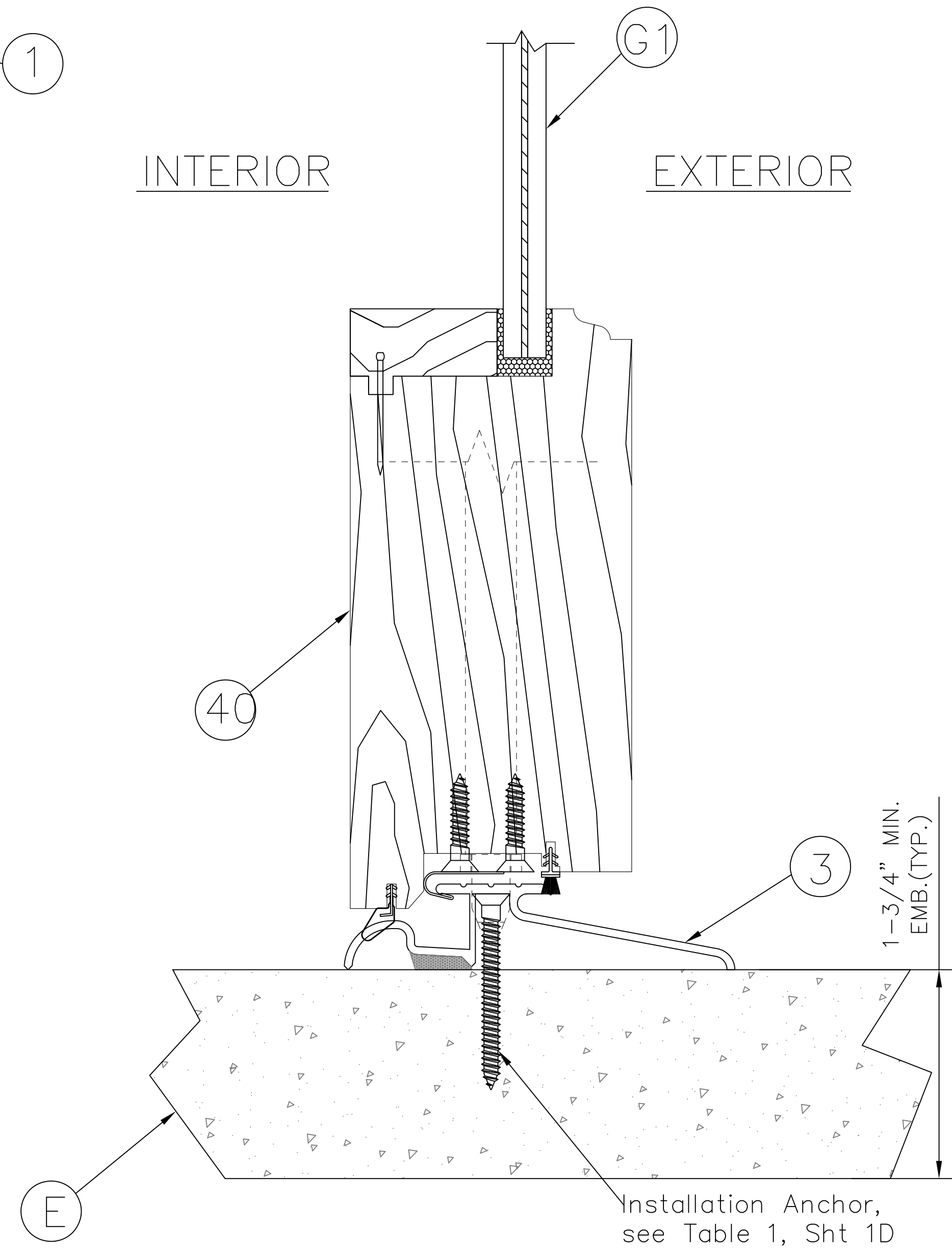
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3D OF 8

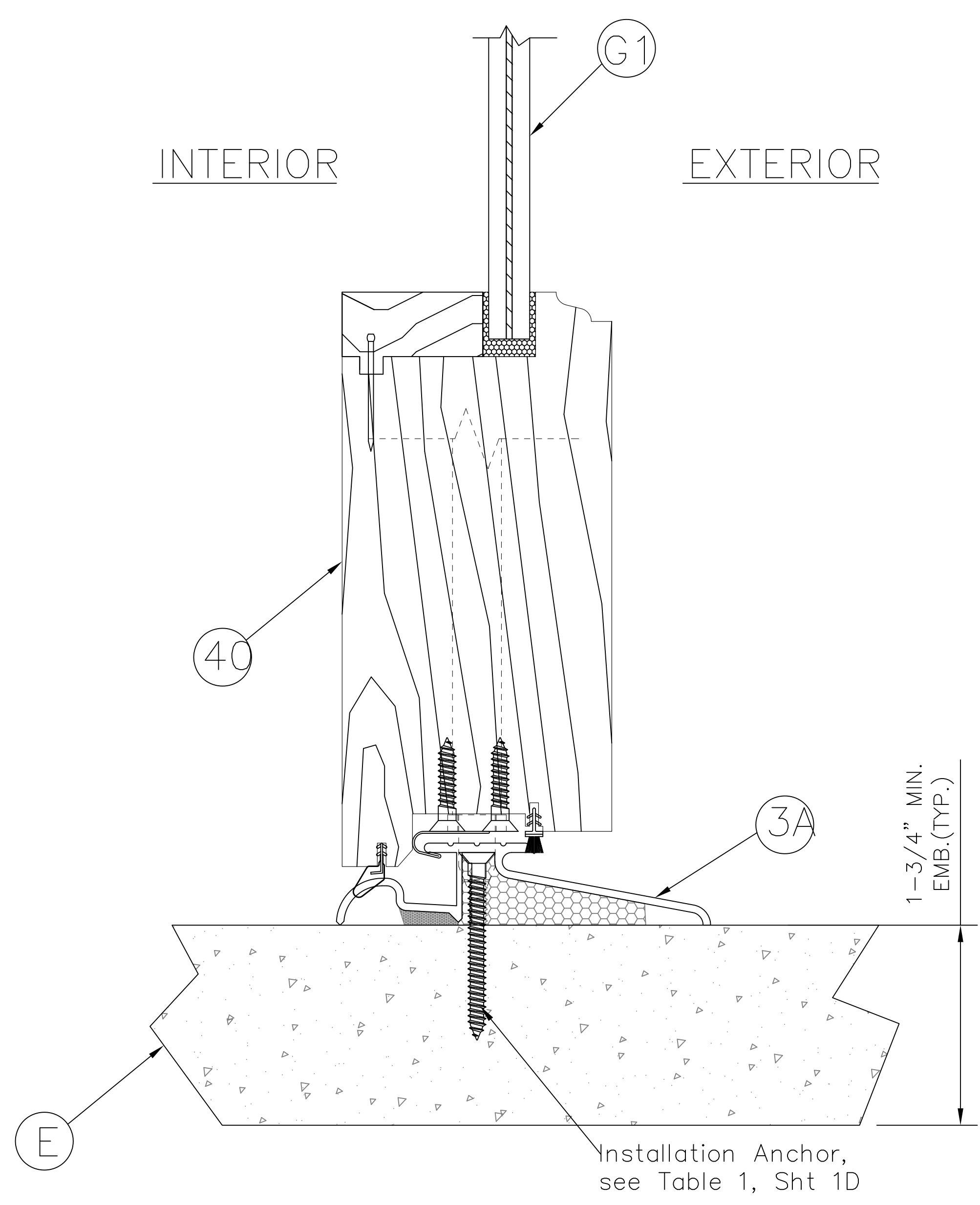


1/4 VERTICAL CROSS SECTION

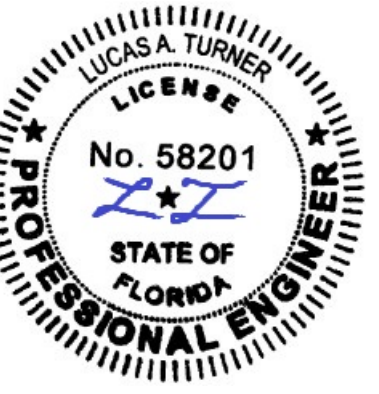
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2/4 VERTICAL CROSS SECTION



3/4 VERTICAL CROSS SECTION



10/18/2023

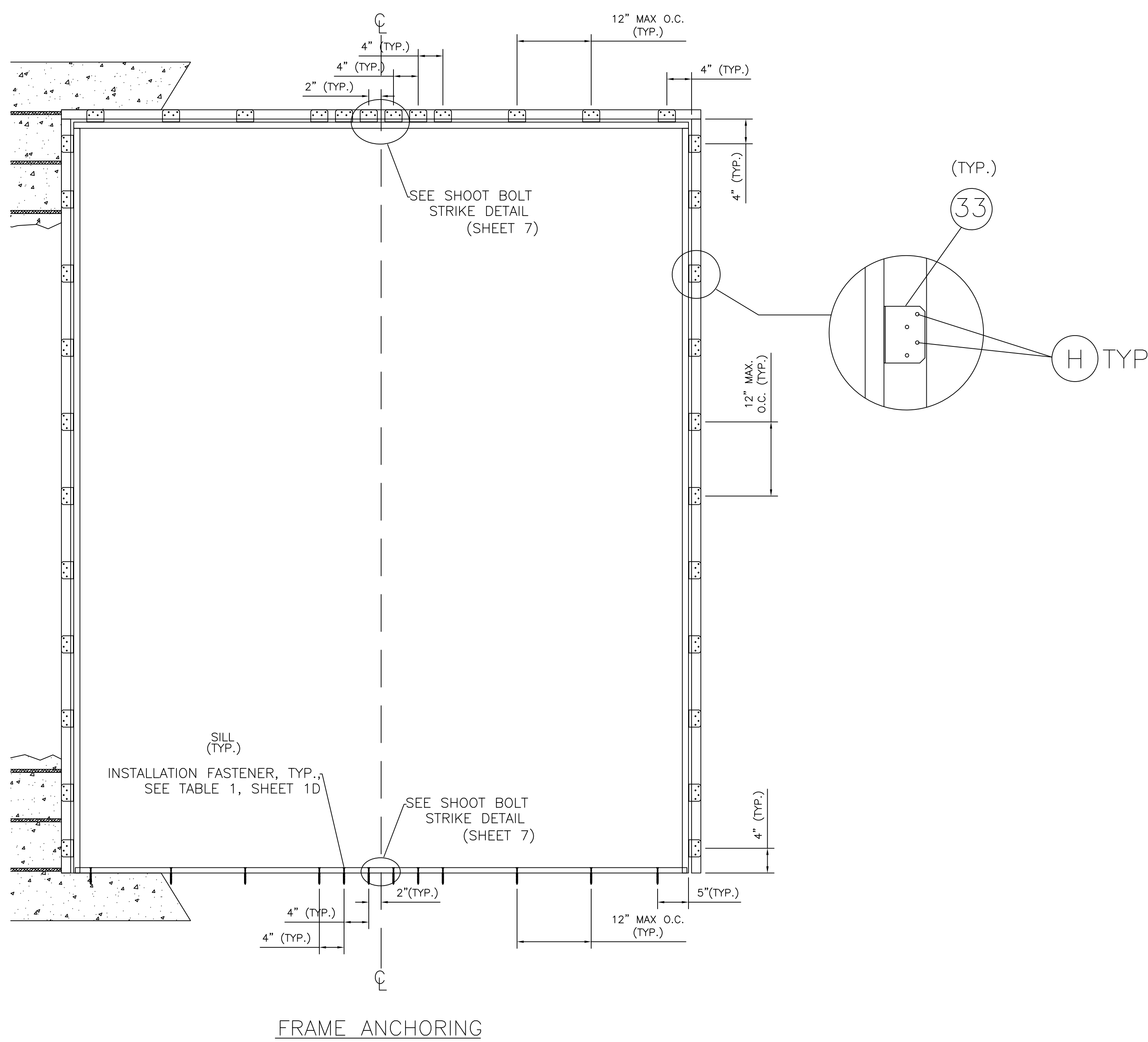
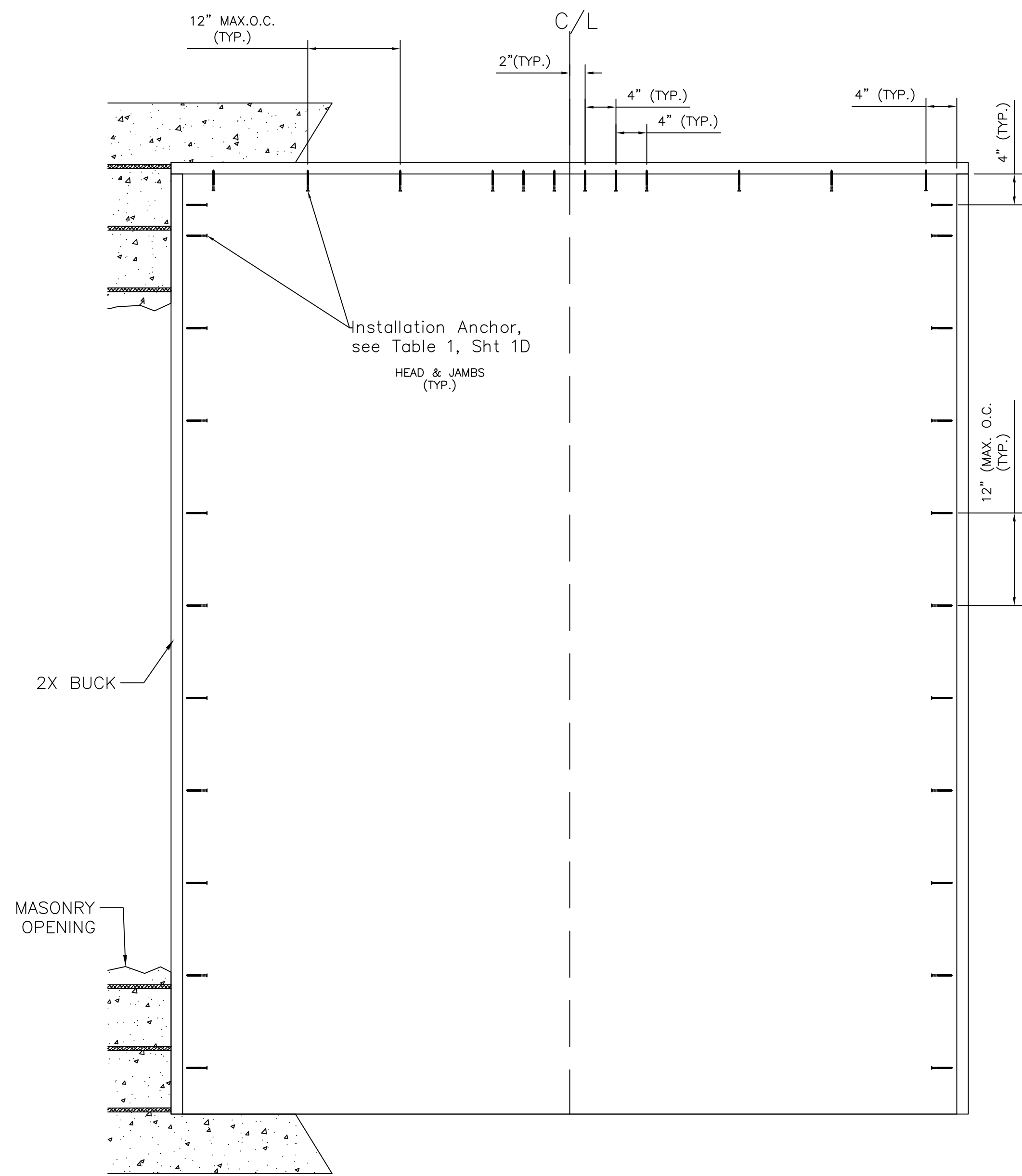
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Drawn: JDS

Dwg: Nar-IS  
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Sheet No.  
4D OF 8



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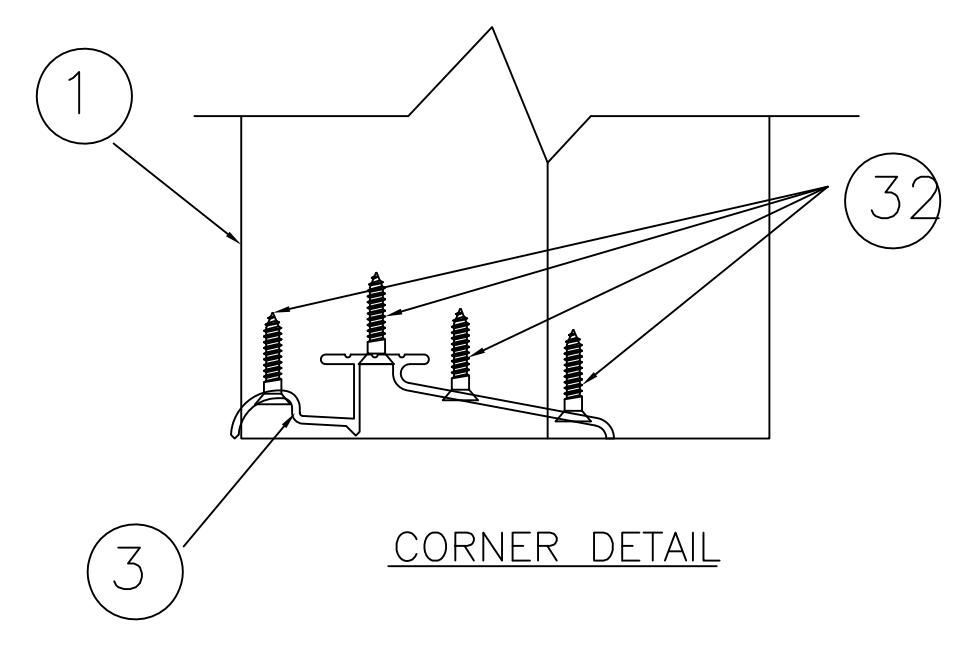
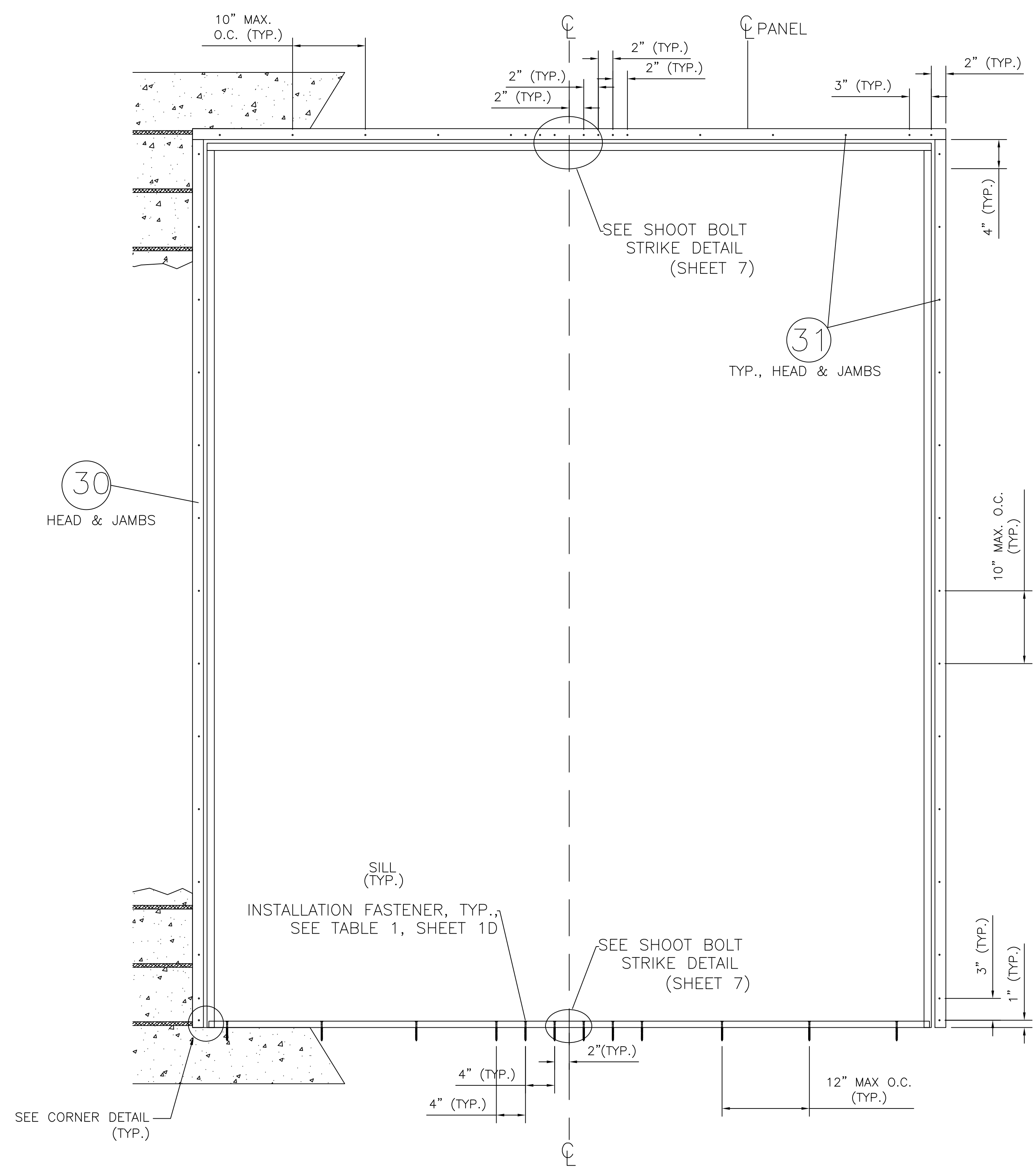
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BUCK & FRAME ANCHORING

Dwg: Nar-IS  
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FRAME ANCHORING  
Aluminium Angle



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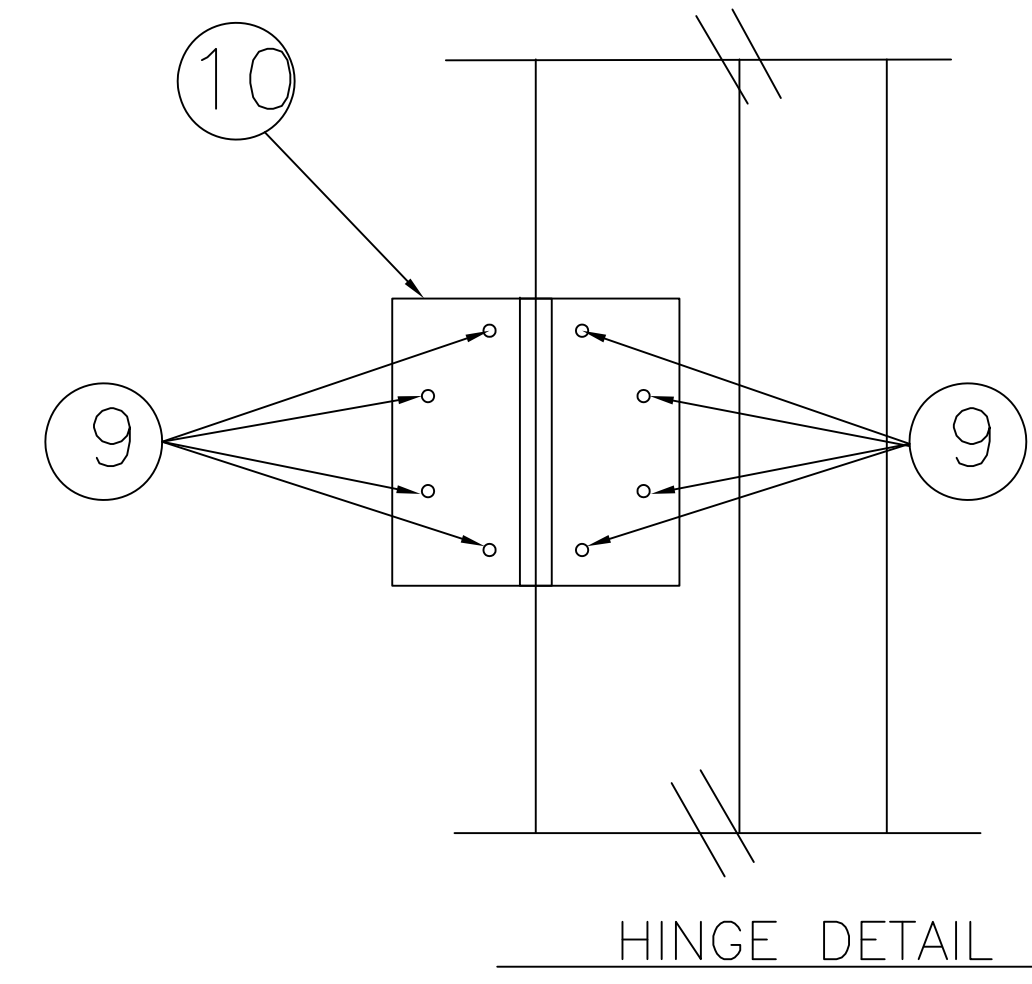
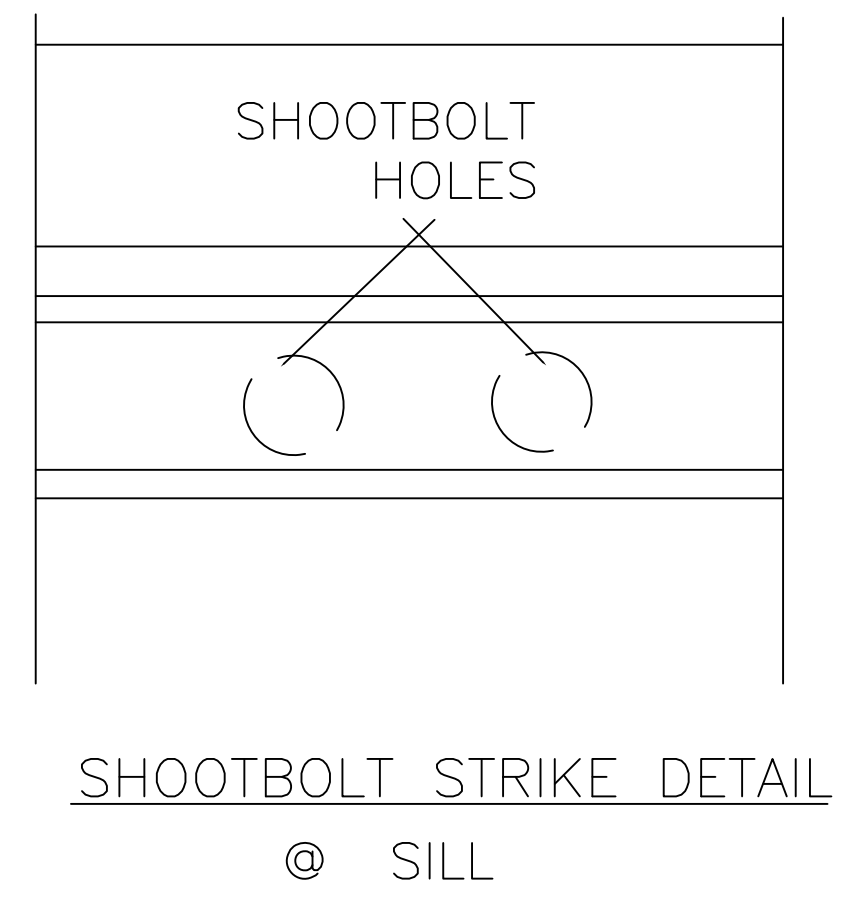
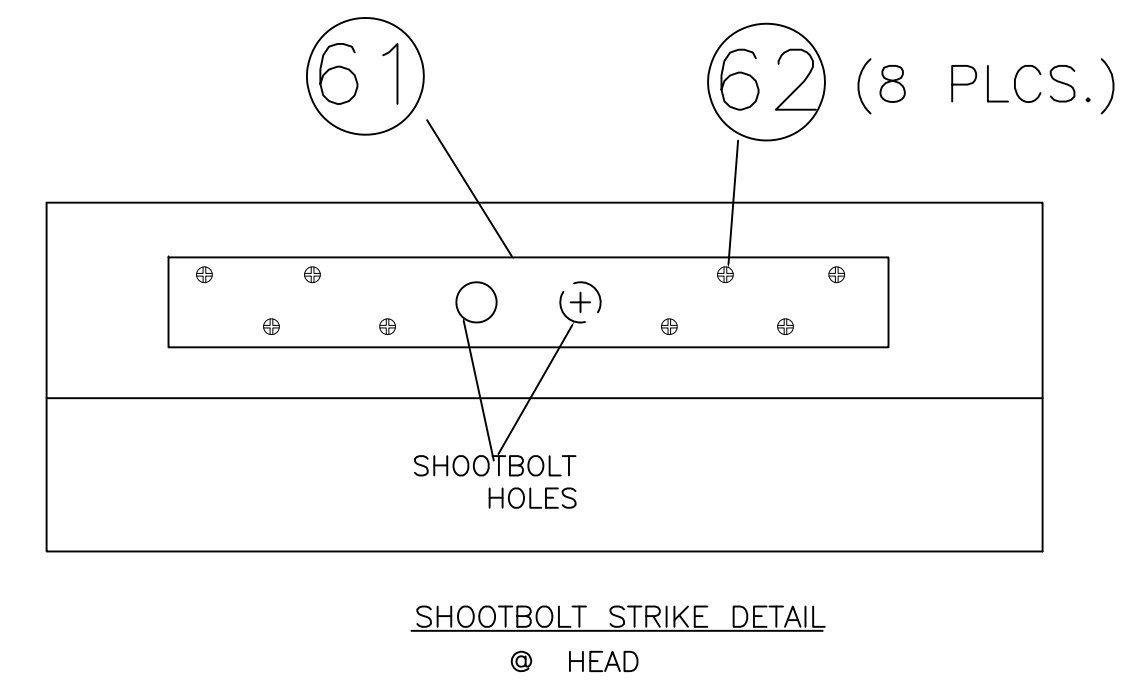
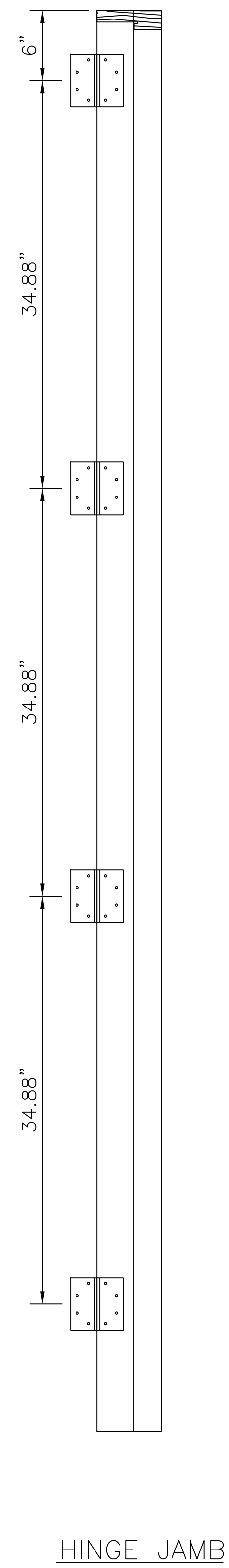
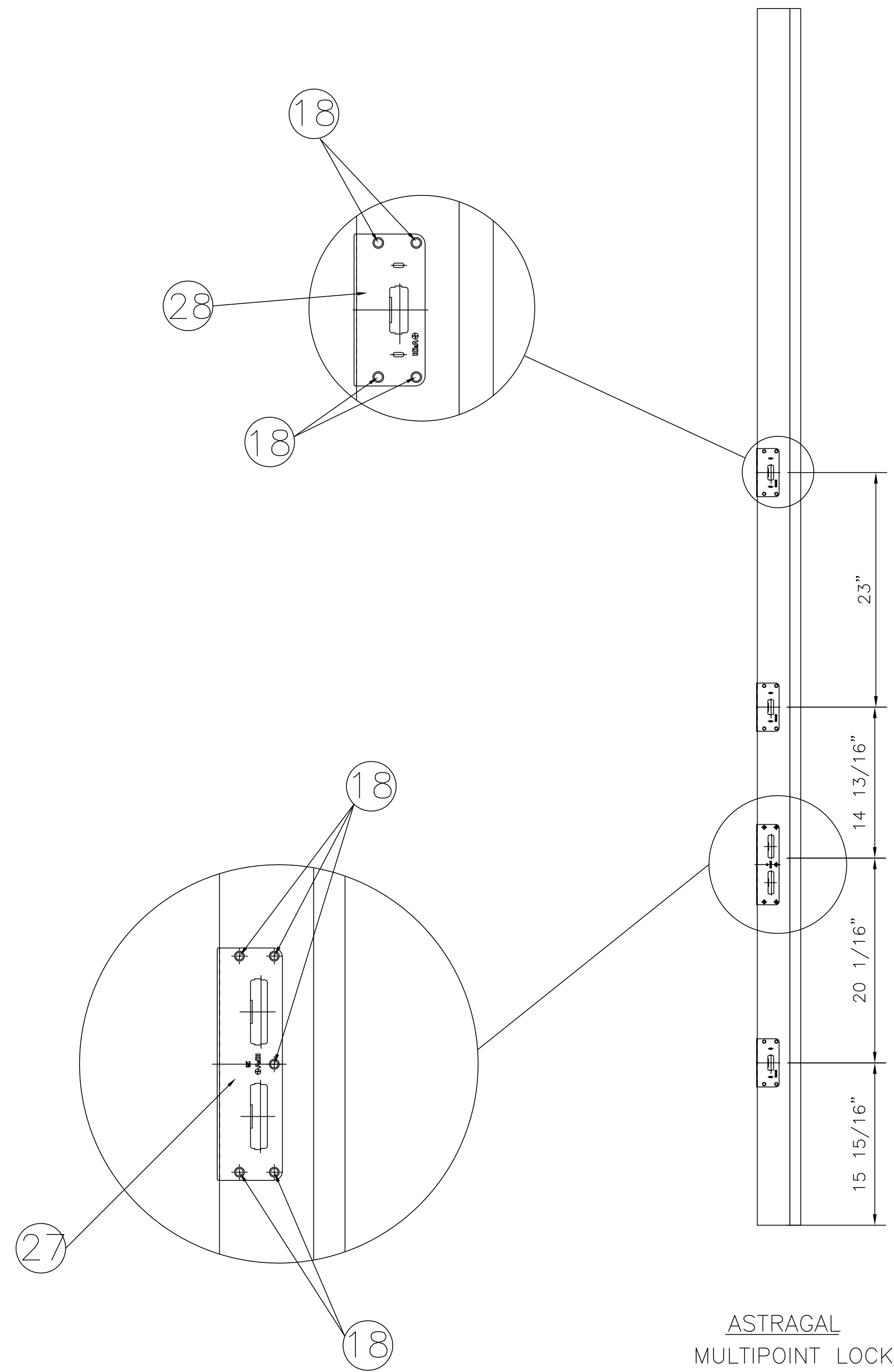
OWW LLC  
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Product: GLAZED WOOD DOUBLE DOOR INSWING

Date: 05-01-18  
Scale: None  
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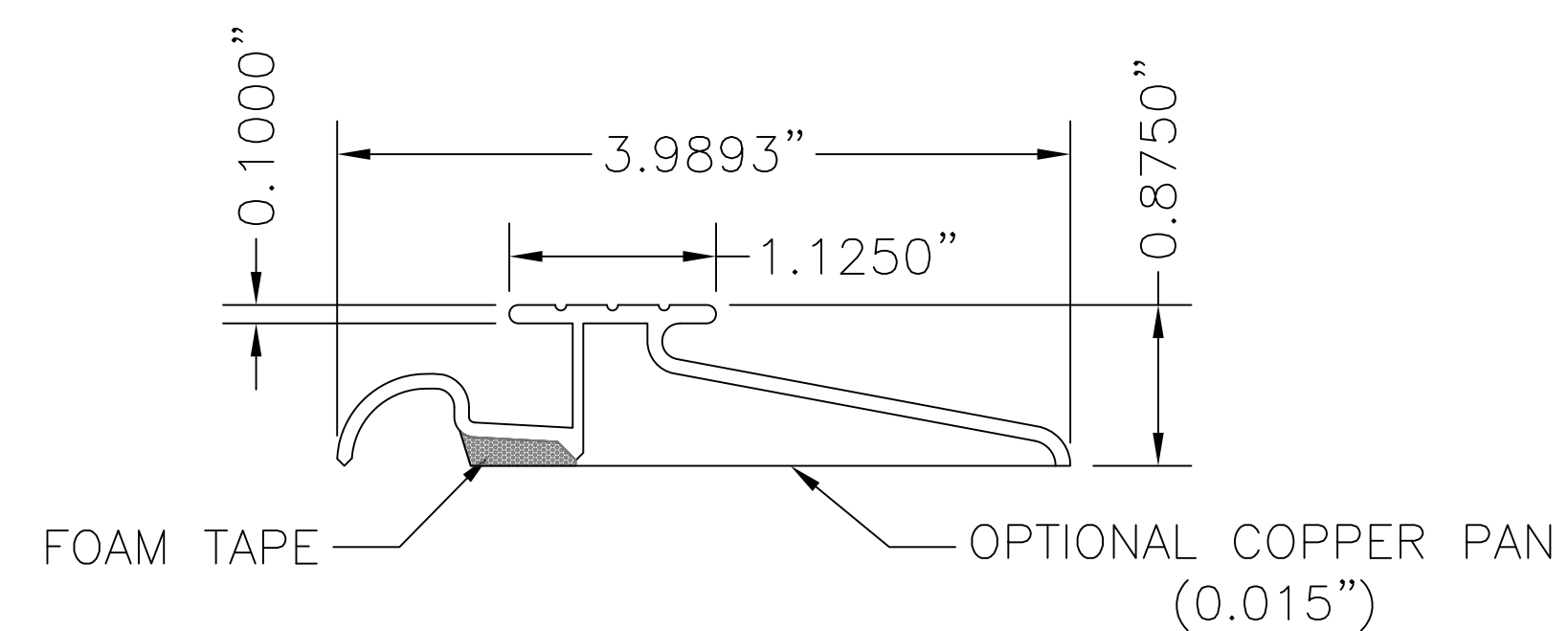
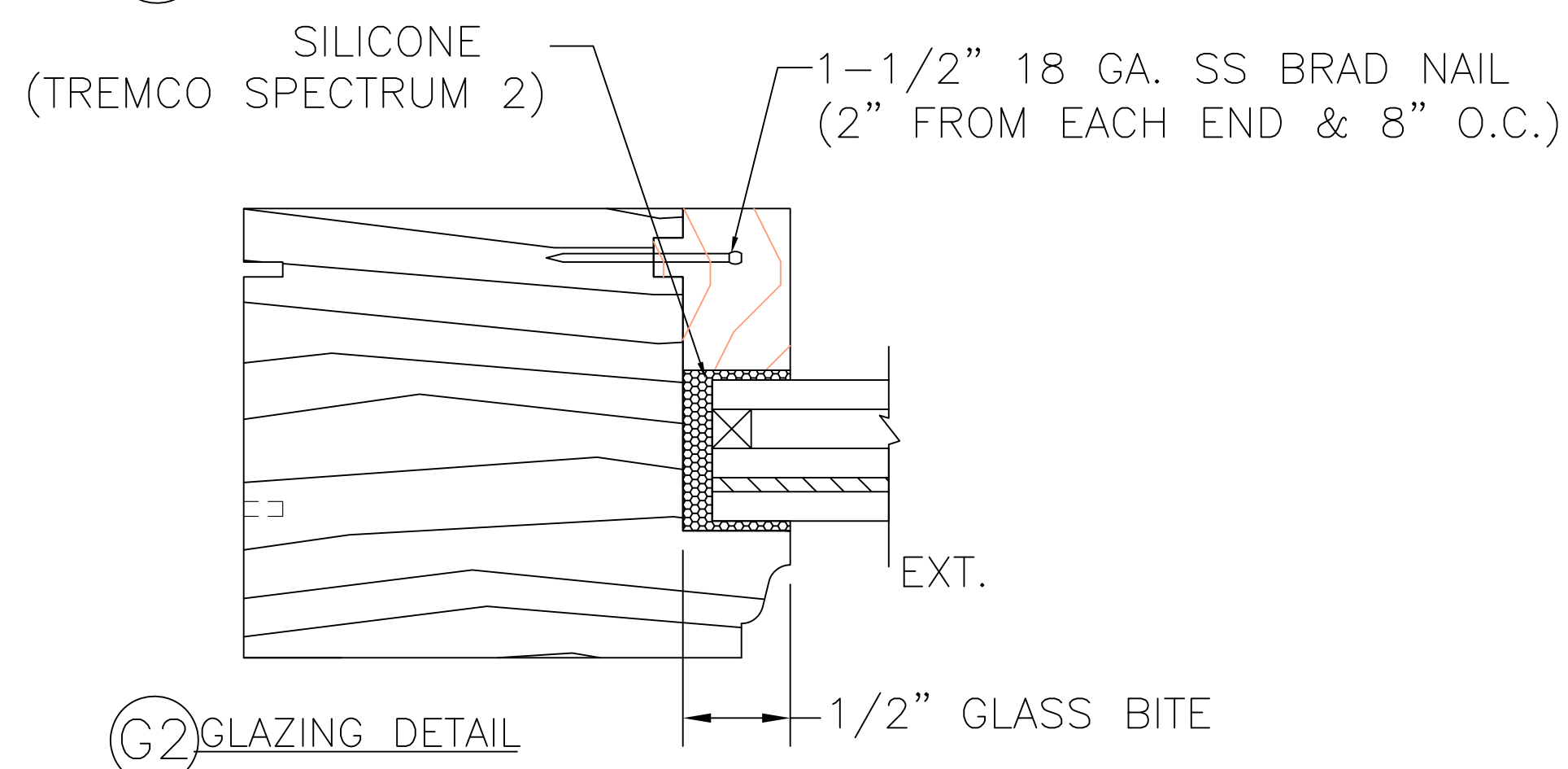
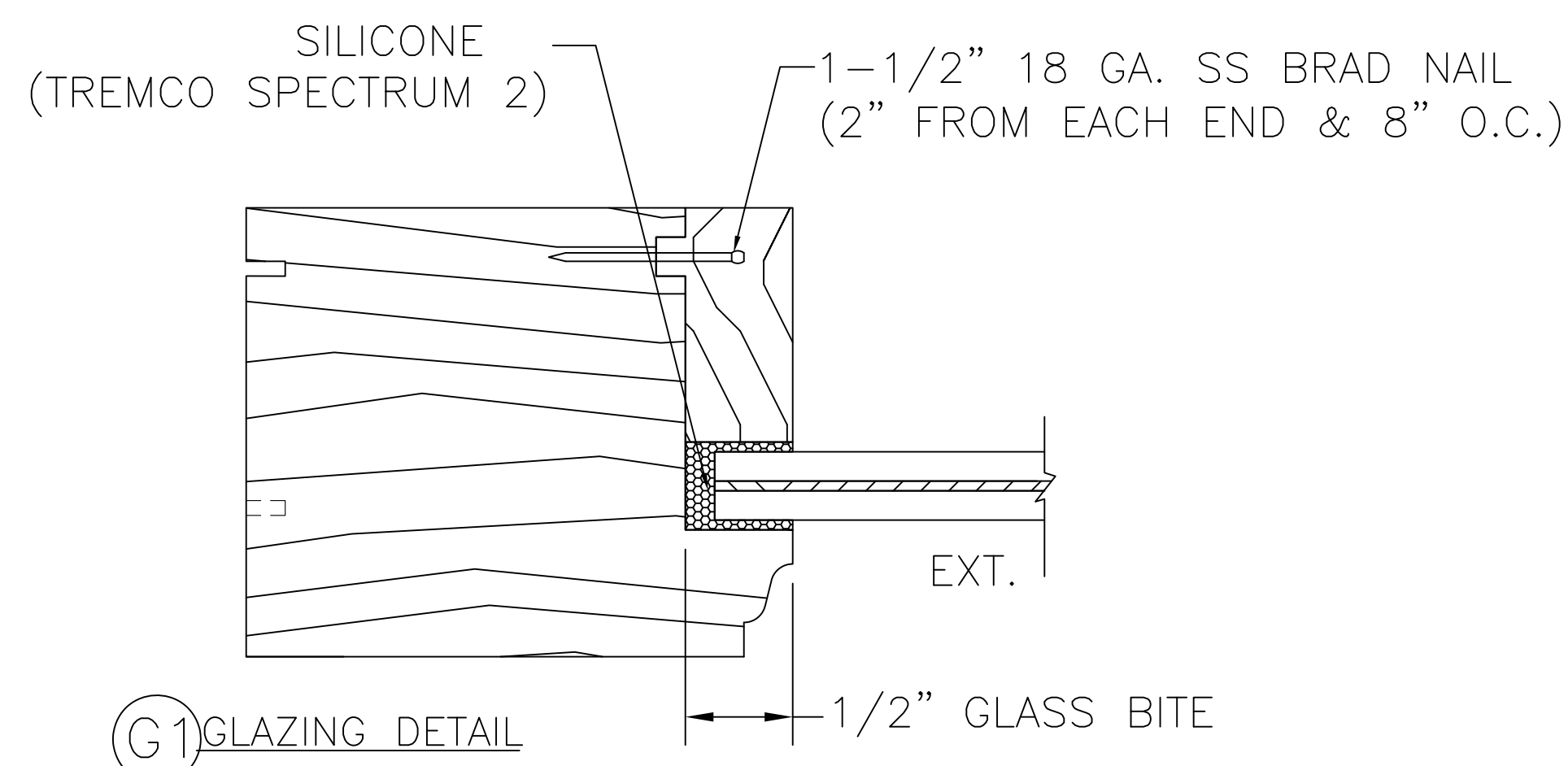
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Date: 05-01-18  
Scale: None  
Drawn: JDS

HARDWARE DETAILS

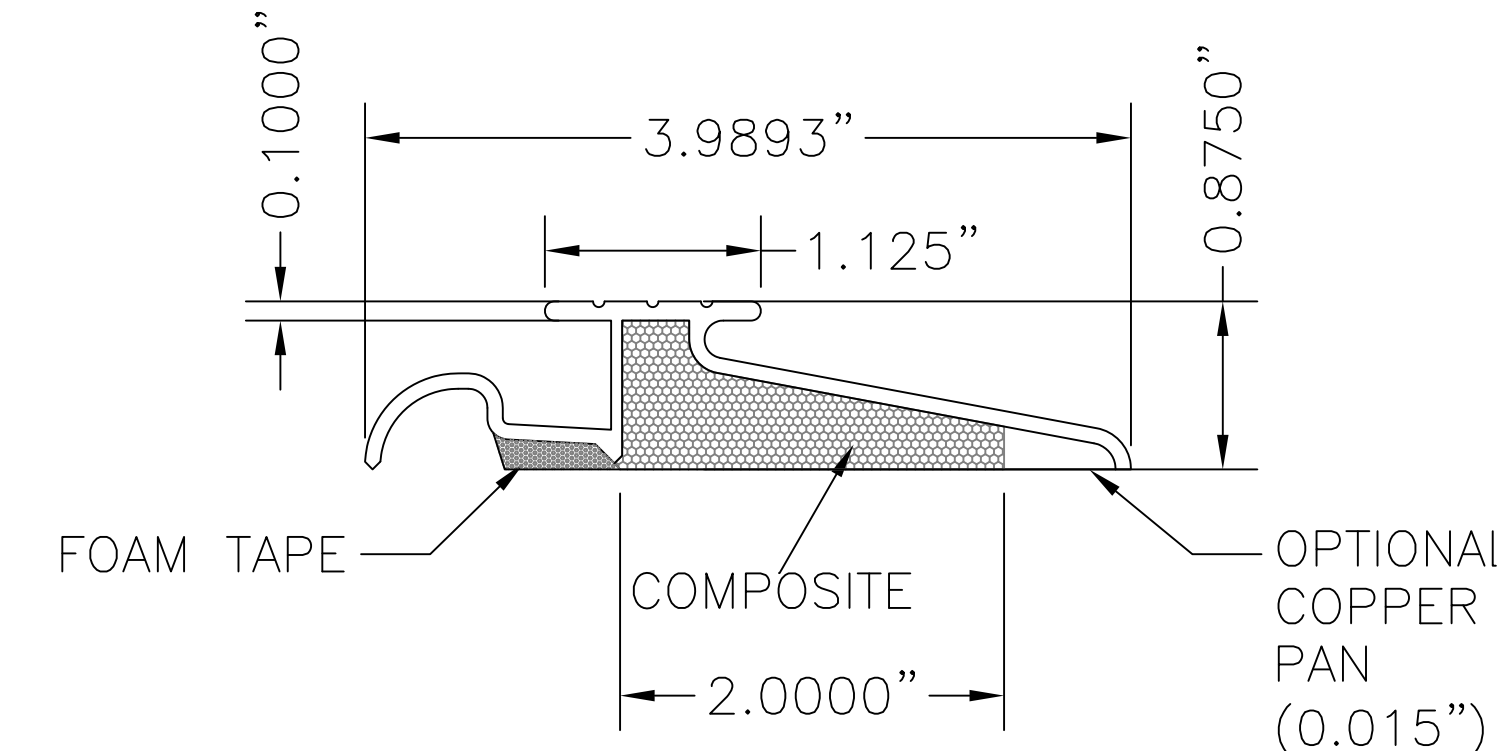
Dwg: Nar-IS  
FL34945.2  
Sheet No.  
7D OF 8

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG>=0.55)	WOOD
C	1/4" MAX.SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	#8 X 1-1/2" PFH WOOD SCREW	STEEL
1	HEAD & SIDE JAMB	WOOD
3	BRASS SILL	BRASS
3A	BRASS/COMPOSITE SILL (HVHZ)	BRASS/COMP
5	ASTRAGAL	WOOD/LVL
7	WEATHERSTRIP (QLON QDS-650)	FOAM
9	#12 X 1-1/4" FH WOOD SCREW	STEEL
10	4-1/2" X 4-1/2" BUTT HINGE	STEEL
11	#10 X 1" PPH SMS	STEEL
15	#10 X 1-1/4" FH WOOD SCREW	STEEL
18	#8 X 1-1/4" PFH WOOD SCREW	STEEL
21	#8 X 2-1/2" FH WOOD SCREW	STEEL
27	MULTI POINT LATCH & DEADBOLT STRIKE PLATE	STEEL
28	MULTIPOINT HOOKBOLT STRIKE PLATE	STEEL
30	1-1/2" X 1-1/2" X 1/8" THICK ALUMINUM ANGLE (6063-T6)	ALUM
31	#10 X 2" FH WOOD SCREW (1-3/4" MIN. EMBED.)	STEEL
32	#10 X 1" FH WOOD SCREW	STEEL
33	SIMPSON STRONG-TIE A23Z ANGLE (18 GA.)	STEEL
40	GLAZED WOOD DOOR PANEL	WOOD
61	SHOOTBOLT STRIKE PLATE	BRASS
62	#8 X 1" FH SMS	STEEL

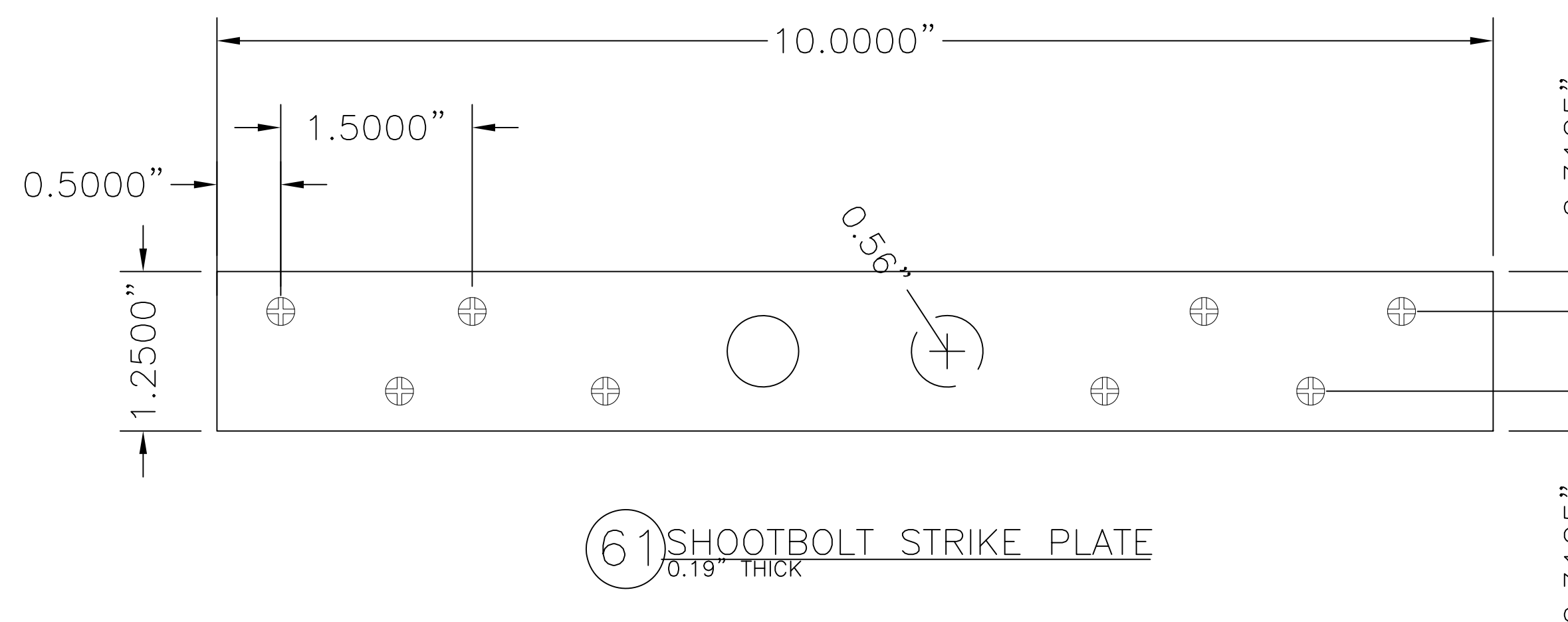
ALL DOOR COMPONENTS TO BE G=0.50 MINIMUM (MAHOGANY OR SIMILAR).



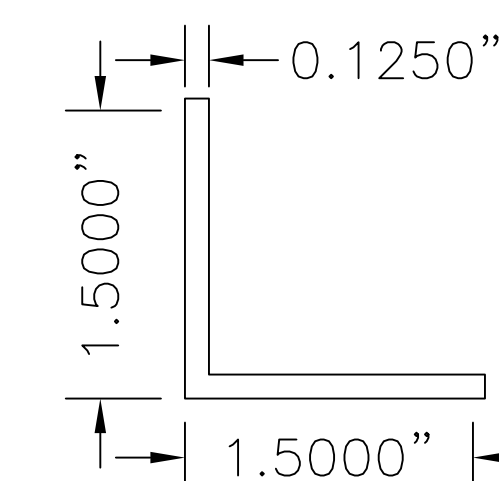
3 BRONZE SILL



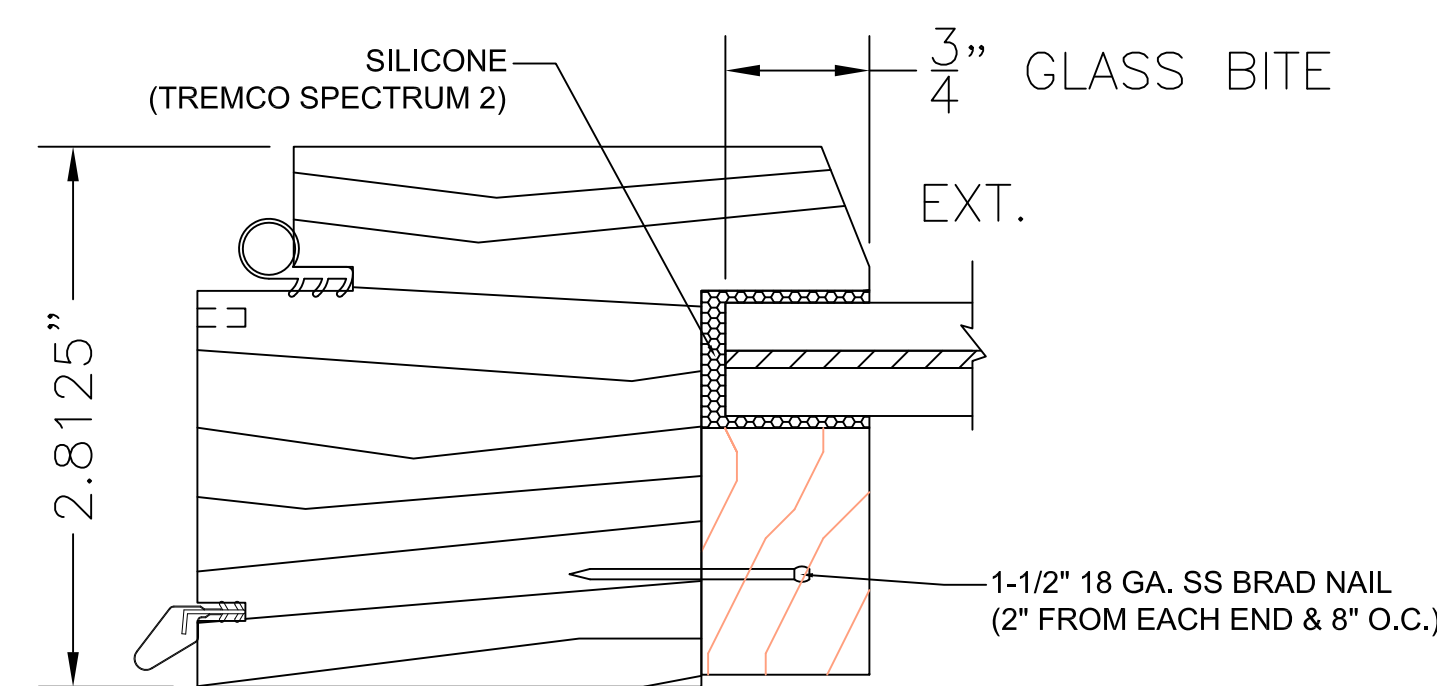
3A BRONZE/COMPOSITE SILL (HVHZ)



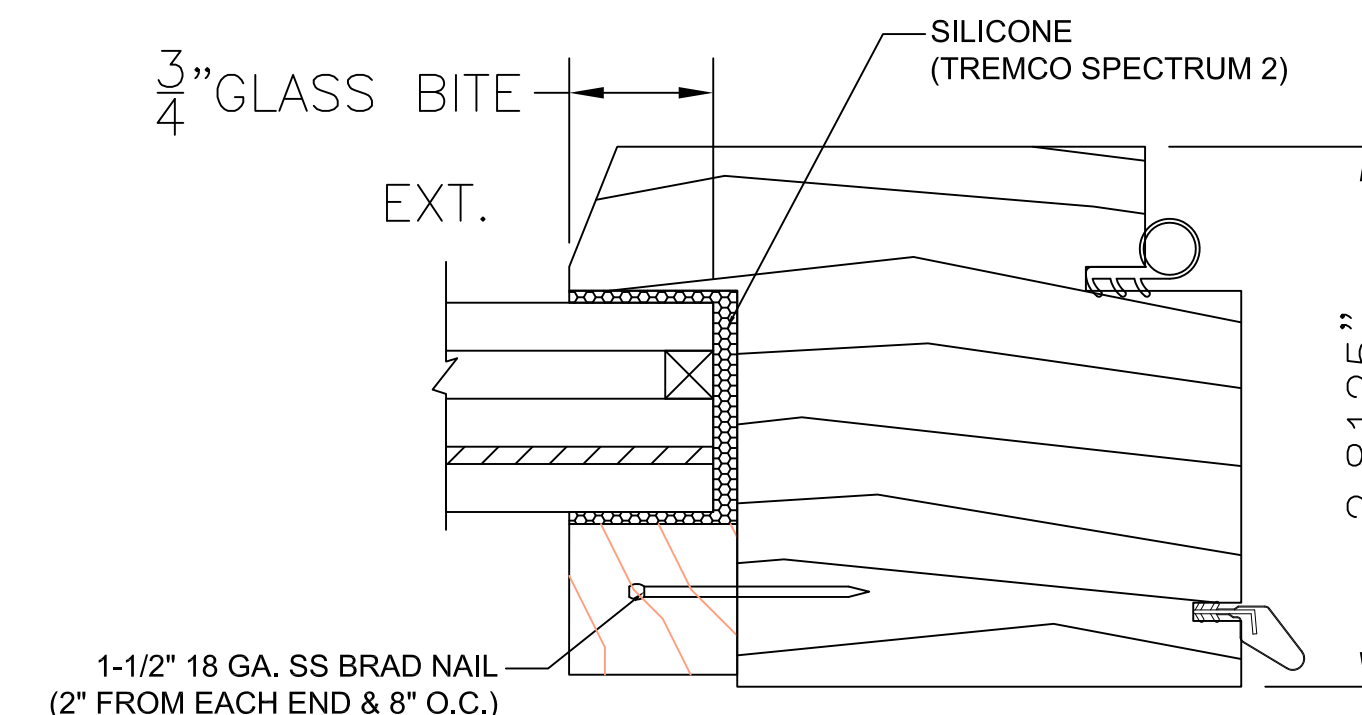
61 SHOOTBOLT STRIKE PLATE 0.19" THICK



30 ALUMINIUM ANGLE



G3 GLAZING DETAIL



G4 GLAZING DETAIL

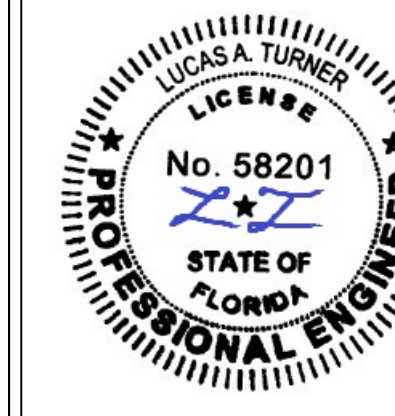
GLASS TYPES AND STRUCTURE

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 .075" INTERLAYER: SAFLEX CP BY EASTMAN CHEMICAL COMPANY /  
 3/16" ANNEALED

G2. 7/8" (NOM.) LAMINATED INSULATING GLASS  
 3/16" FULLY TEMPERED EXT. LITE /  
 1/4" AIR SPACE WITH ALUMINUM SPACER /  
 3/16" ANNEALED  
 .075" INTERLAYER: SAFLEX CP BY EASTMAN CHEMICAL COMPANY /  
 3/16" ANNEALED

G3. 9/16" (NOM.) LAMINATED GLASS  
 1/4" HEAT STRENGTHENED /  
 .090" INTERLAYER: SENTRYGLAS BY KURARAY /  
 1/4" HEAT STRENGTHENED

G4. 1-1/8" (NOM.) LAMINATED INSULATING GLASS  
 1/4" FULLY TEMPERED EXT. LITE /  
 3/8" AIR SPACE WITH ALUMINUM SPACER /  
 1/4" HEAT STRENGTHENED /  
 .090" INTERLAYER: SENTRYGLAS BY KURARAY /  
 1/4" HEAT STRENGTHENED



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Product: GLAZED WOOD DOUBLE DOOR INSWING

BILL OF MATERIALS & COMPONENTS

Date: 05-01-18  
 Scale: None  
 Drawn: JDS

Dwg: Nar-IS  
 FL34945.2

Sheet No.  
 8D OF 8