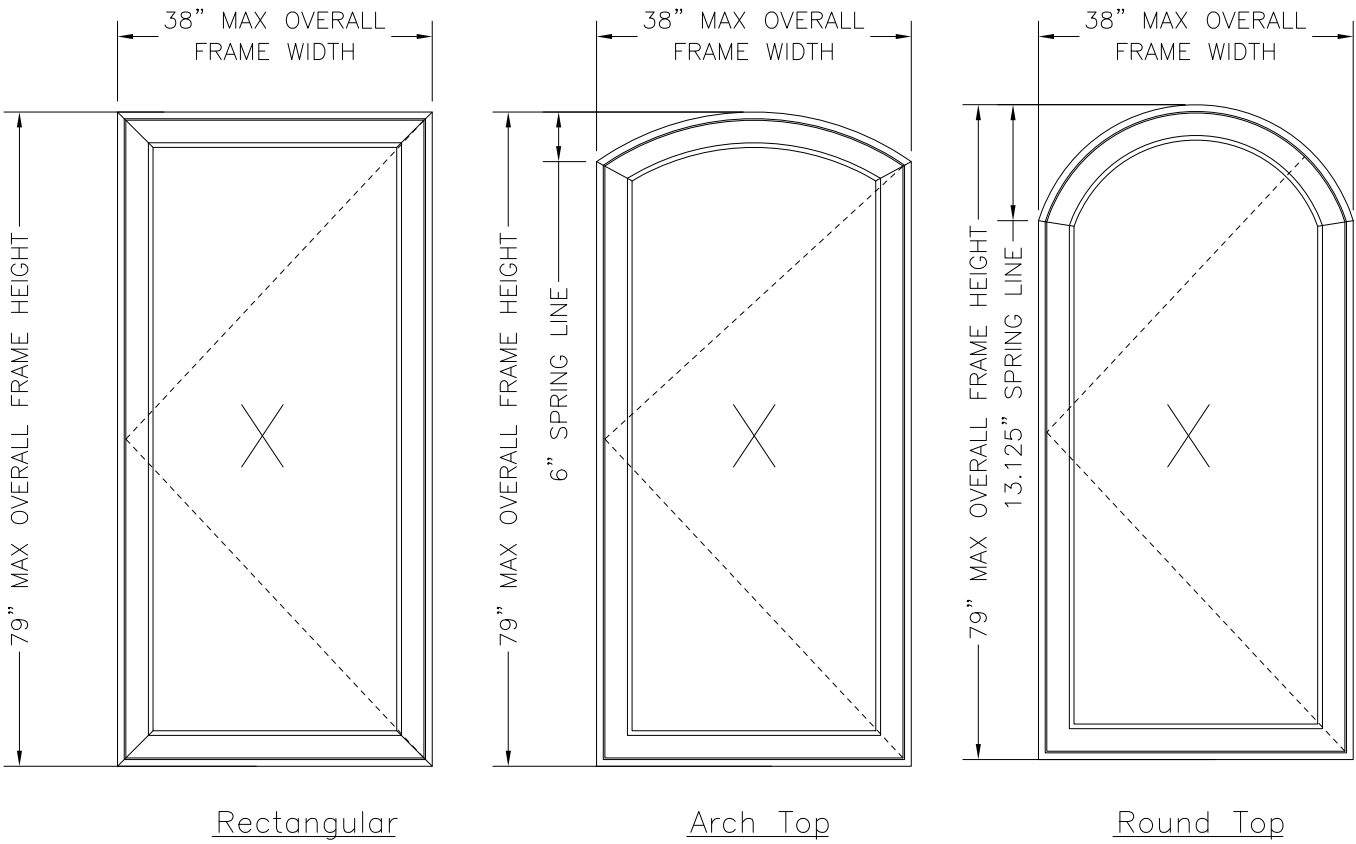


SINGLE CASEMENT WINDOW – OUTSWING – ”IMPACT”
BY OWW LLC

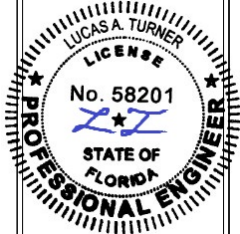
DESIGN PRESSURE = + 75.0 PSF, – 75.0 PSF

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).
- 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.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.
- 5.All window frame wood to be Specific Gravity = 0.50 min. (Mahogany or similar).
- 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 has been laboratory tested to meet the water infiltration requirements for ”HVHZ.” Sealing and flashing stratedhies for overall water infiltration resistance of the field–installed product shall be the responsibility of others and are not addressed by this document.



Lucas Turner
2023.10.18
20:55:26
-05'00'



10/18/2023

TE&C
LUCAS A. TURNER, P.E. FL PE 58201
TURNER ENGINEERING & CONSULTING, INC.
PH. 941-360-1574
2428 OLD NATCHEZ TRACE TRAIL
CAMDEN, TN 38320

OWW LLC
3001 Tuxedo Ave., West Palm Beach, Fl. 33405
Ph. 561-478-7233 Fax 561-478-7858

Product: SINGLE OUTSWING CASEMENT WINDOW

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

Date:10-05-15

Scale: None

Drawn: JDS

Dwg: CA-X-OS
FL34942.1

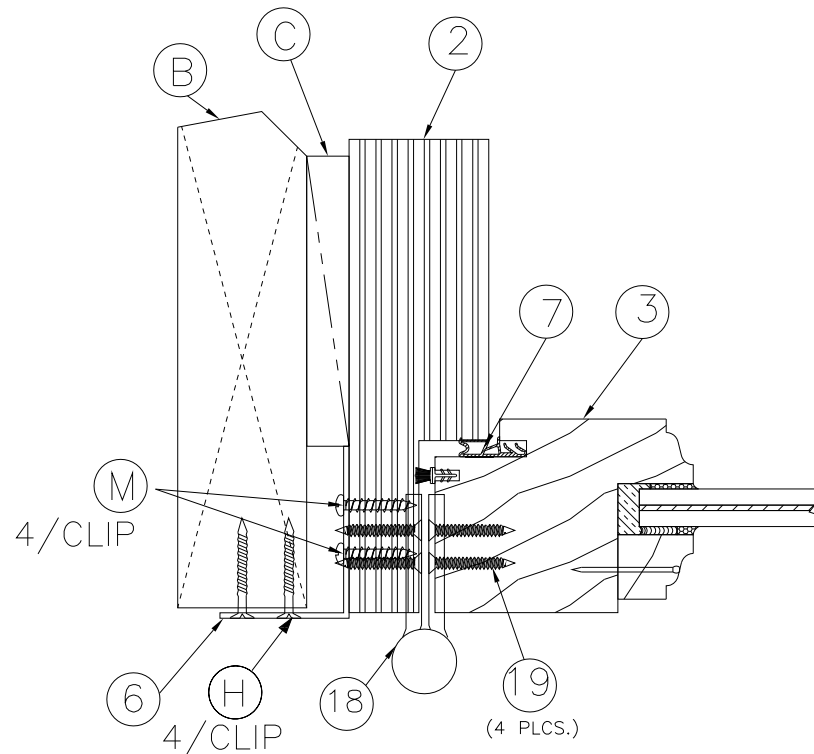
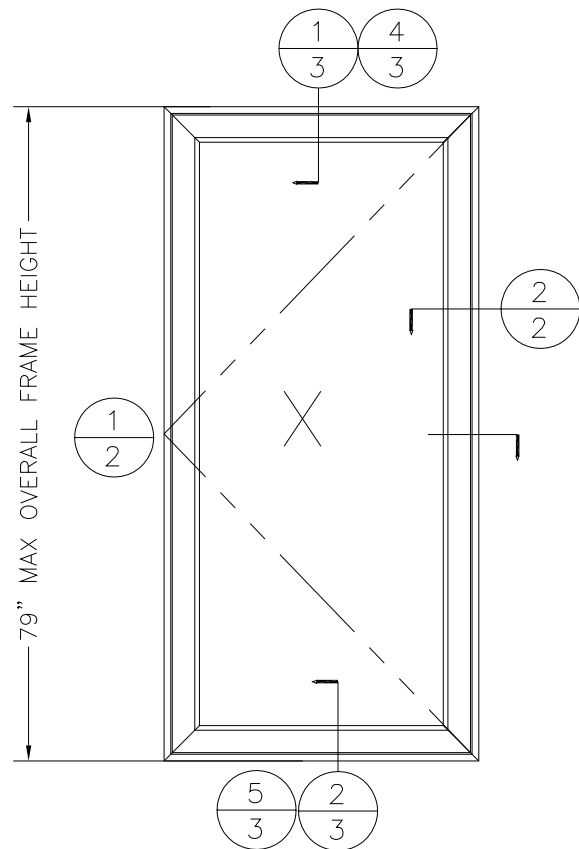
Sheet No.
1D OF 6

TABLE OF CONTENTS

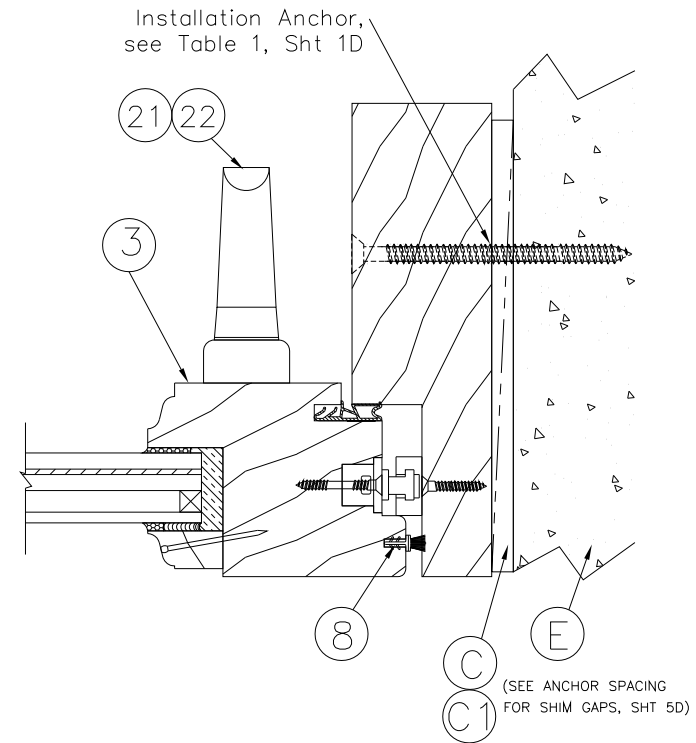
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Hardware details
5	Buck and frame anchoring
6	Bill of materials, components & glazing details

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"	1"
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 W/ ADVANCED THREADFORM	1 1/2"	1 1/2"
D	HOLLOW CMU (117 PCF MIN.) (JAMBS ONLY)	1/4" ITW COATED CARBON STEEL TAPCON W/ ADVANCED THREADFORM	1"	2"
E	CONCRETE (3000 PSI MIN)	1/4" HILTI COATED CARBON STEEL KWIK-CON+	1"	2 1/2"
F	HOLLOW OR GROUT-FILLED CMU (ASTM C-90) (JAMBS ONLY)	1/4" HILTI COATED CARBON STEEL KWIK-CON+	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"

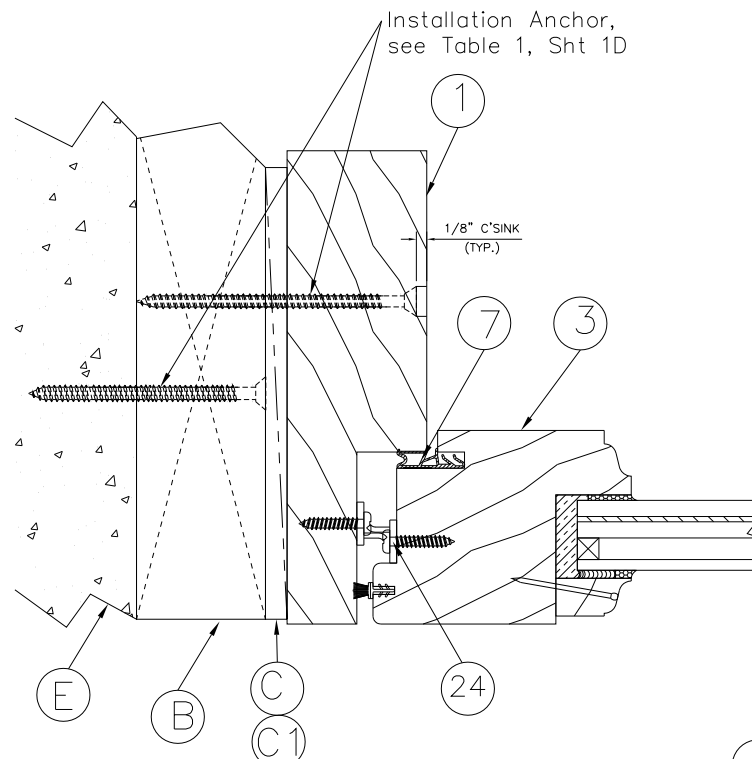
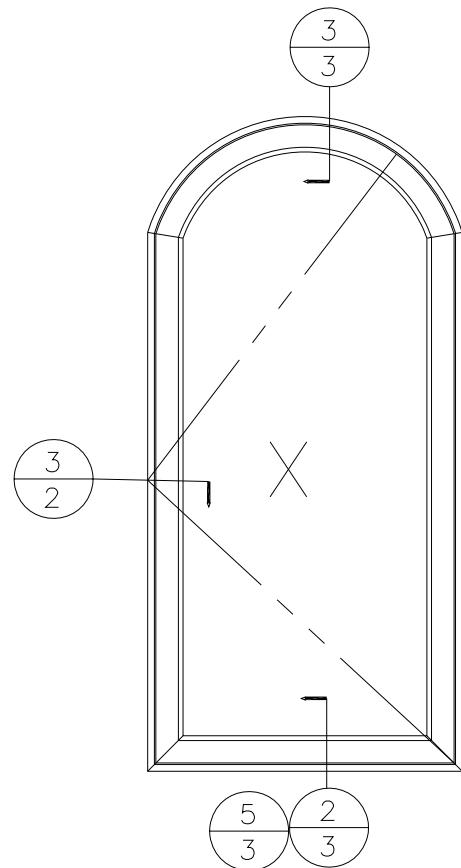


3/2 HORIZONTAL CROSS SECTION
Shown w/ Anchor Clip Installation

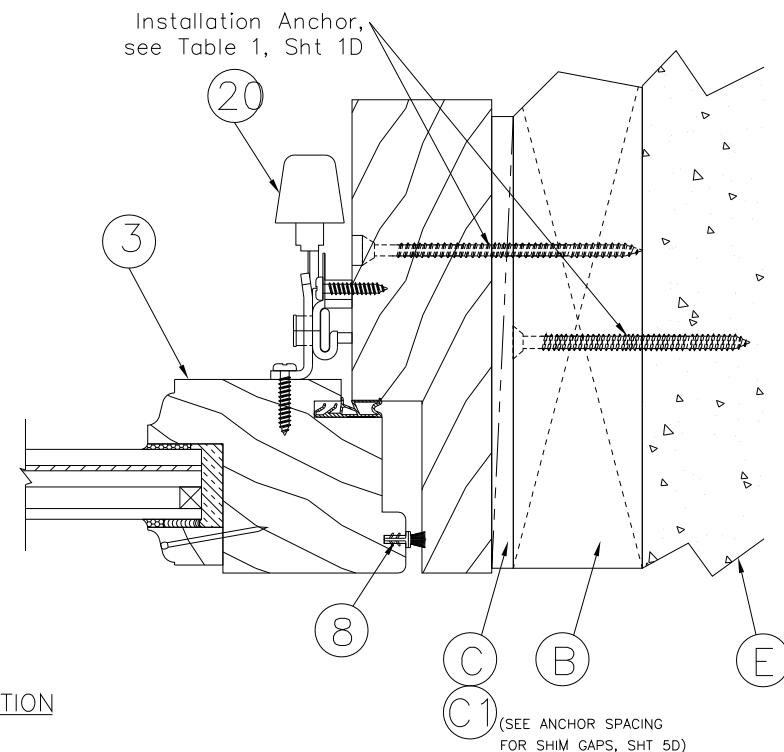


2/2 HORIZONTAL CROSS SECTION
Shown Direct To Masonry

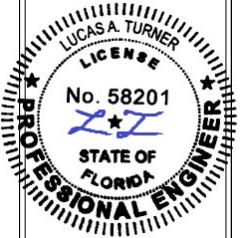
NOTE: GLAZING DETAIL A OR B MAY BE USED FOR ALL DETAILS



1/2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck Construction



3/2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck Construction



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TE&C
LUCAS A. TURNER, P.E. FL PE 58201
TURNER ENGINEERING & CONSULTING, INC.
PH. 941-380-1574
2428 OLD NACHEZ TRACE TRAIL
CAMDEN, TN 38320

OWW LLC
3001 Tuxedo Ave., West Palm Beach, FL 33405
Ph. 561-478-7233 Fax 561-478-7858

Product: SINGLE OUTSWING CASEMENT WINDOW

HORIZONTAL CROSS SECTIONS

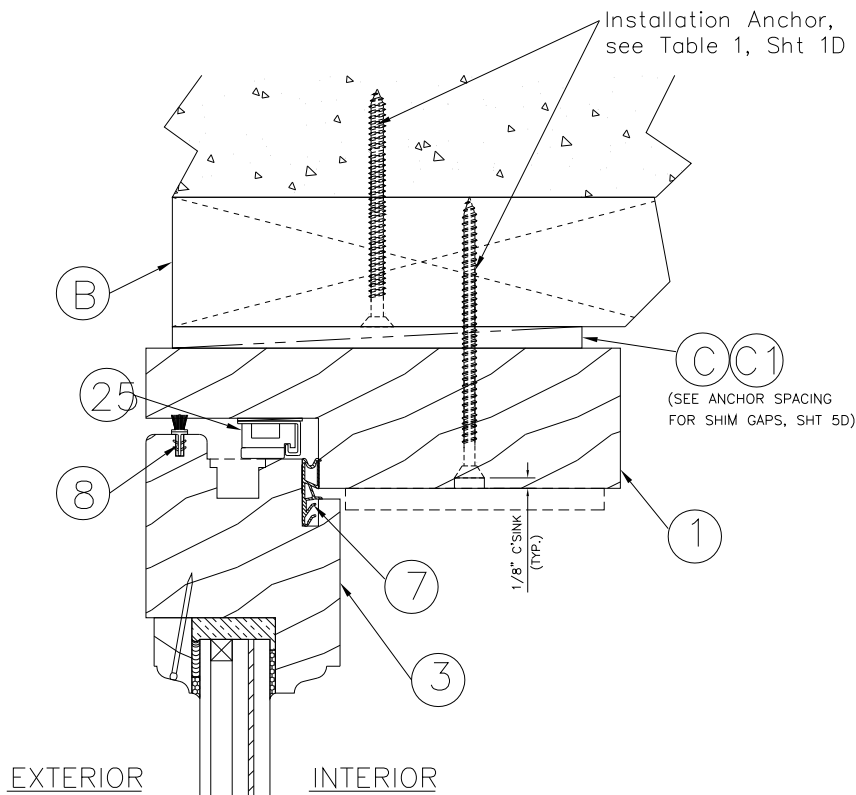
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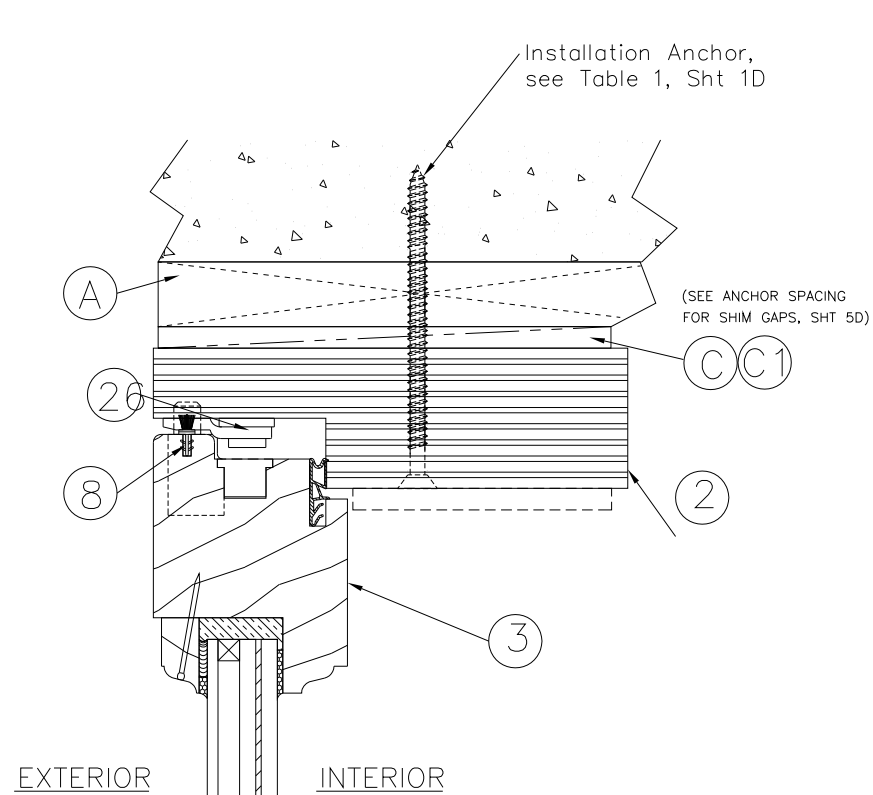
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Dwg: CA-X-OS
FL34942.1

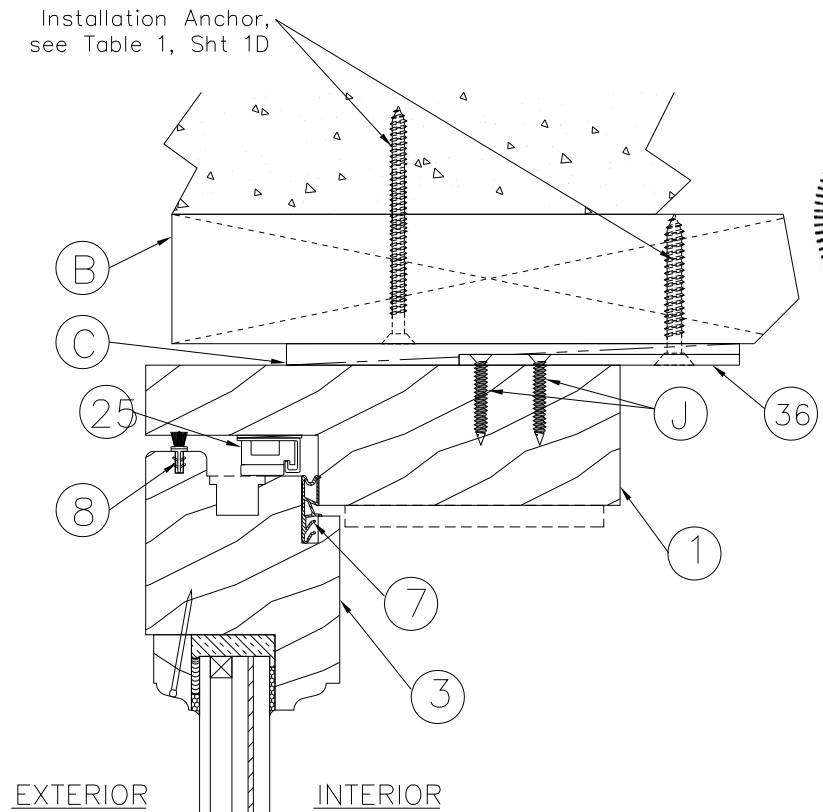
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2D OF 6



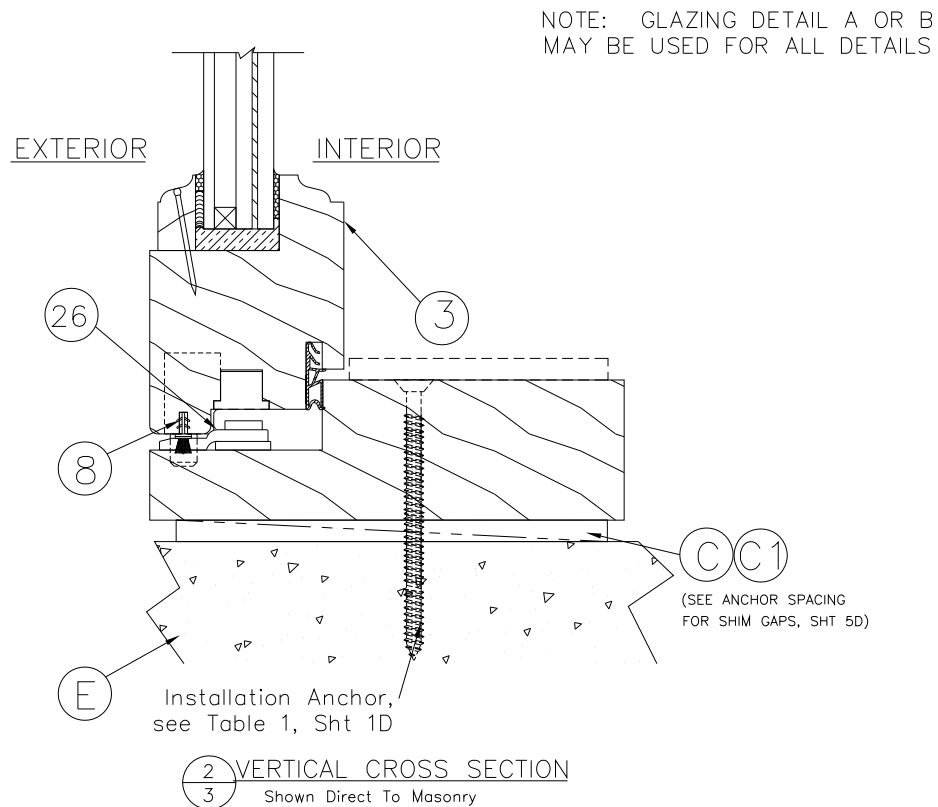
1 VERTICAL CROSS SECTION
3 Shown w/ 2X Buck Construction



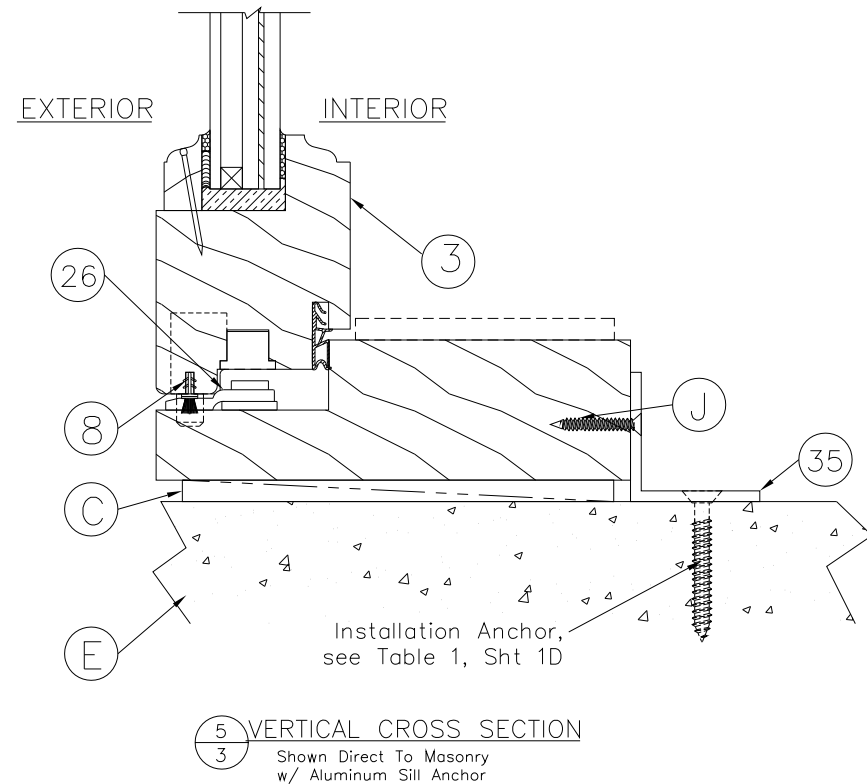
3 VERTICAL CROSS SECTION
3 Shown w/ 1X Buck Construction



4 VERTICAL CROSS SECTION
3 Shown w/ 2X Buck Construction w/ Steel Strap Anchor

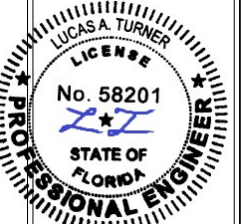


2 VERTICAL CROSS SECTION
3 Shown Direct To Masonry



5 VERTICAL CROSS SECTION
3 Shown Direct To Masonry w/ Aluminum Sill Anchor

NOTE: GLAZING DETAIL A OR B MAY BE USED FOR ALL DETAILS



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TURNER ENGINEERING & CONSULTING, INC.
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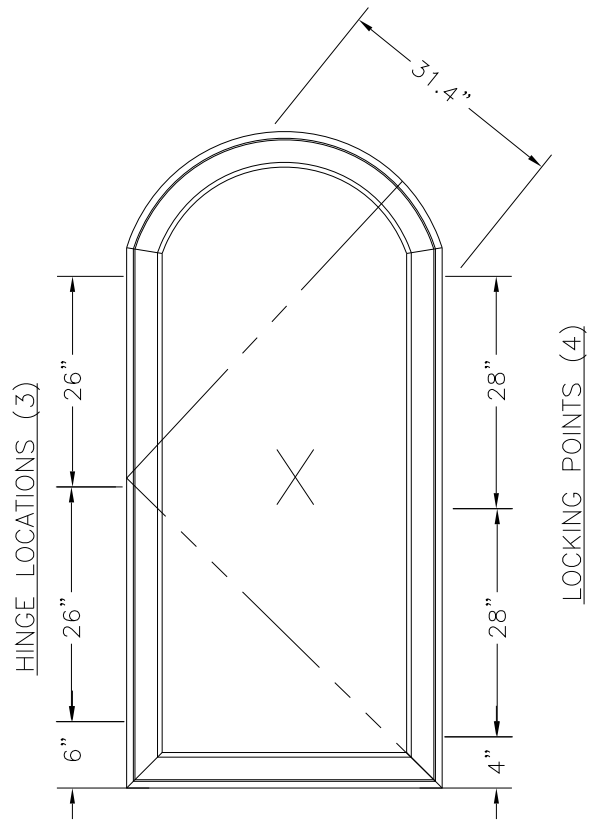
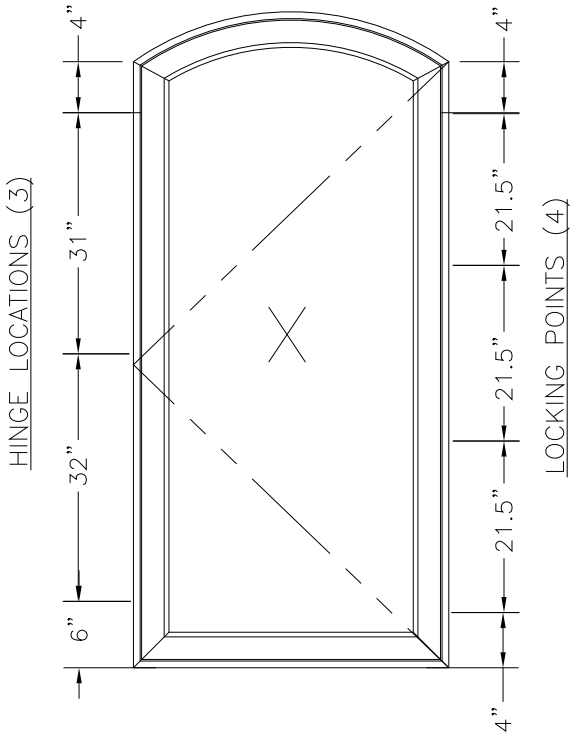
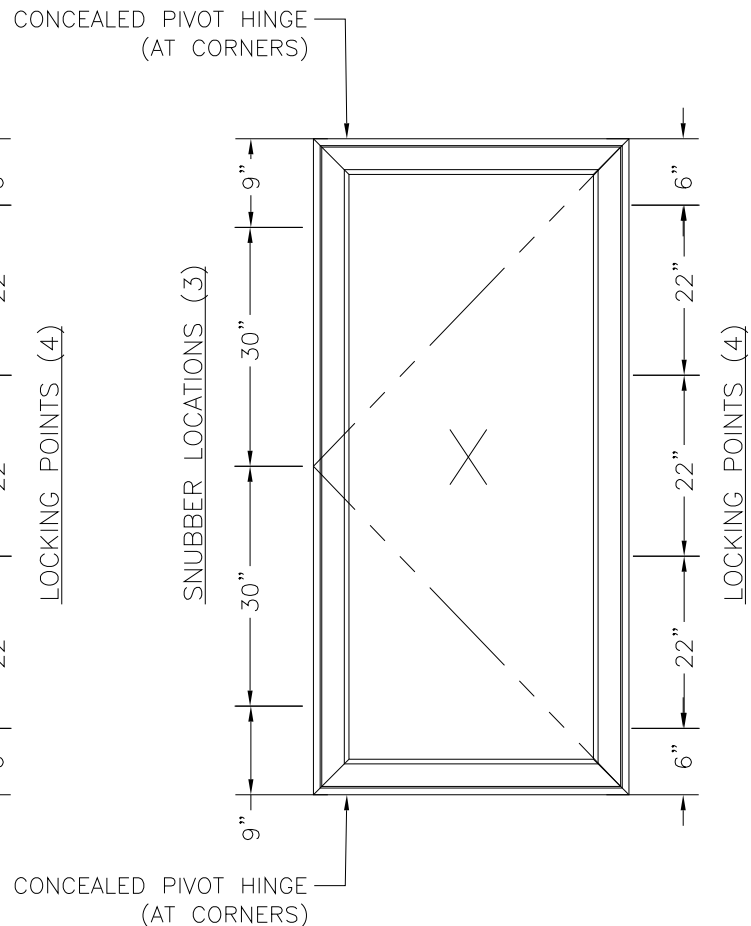
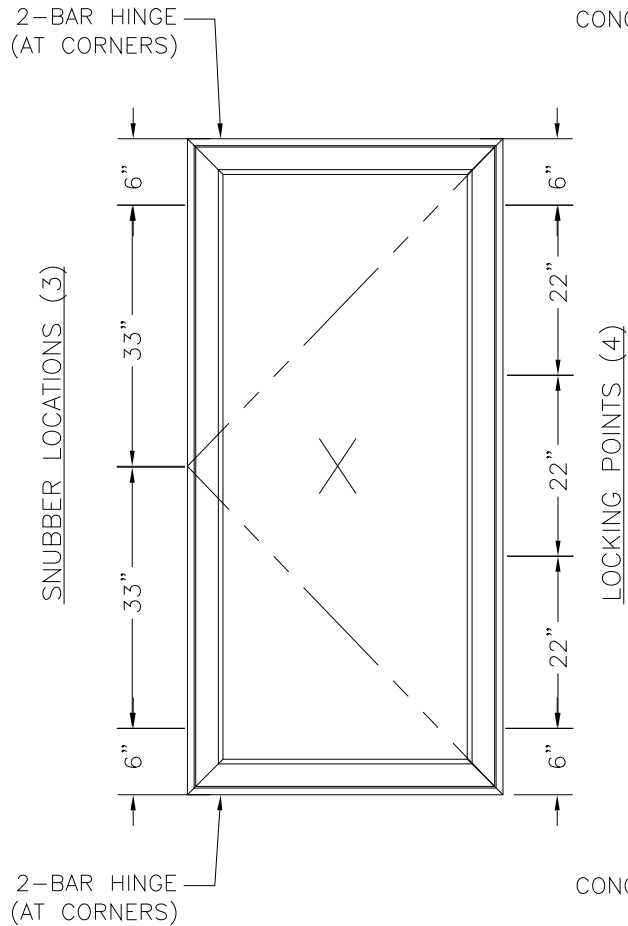
Product:
SINGLE OUTSWING CASEMENT WINDOW

VERTICAL CROSS SECTIONS

Date: 10-05-15
Scale: None
Drawn: JDS

Dwg: CA-X-OS
FL34942.1

Sheet No.
3D OF 6



HARDWARE

DESCRIPTION	QTY.	MANUFACTURER
MULTI-POINT LOCK	1	TRUTH (MAXIM)
HINGES	2	TRUTH (2-BAR)
SNUBBERS	3	TRUTH

HARDWARE

DESCRIPTION	QTY.	MANUFACTURER
MULTI-POINT LOCK	1	GU (CONTURA)
CONCEALED HINGES	2	GU (CONTURA)
SNUBBERS	3	GU

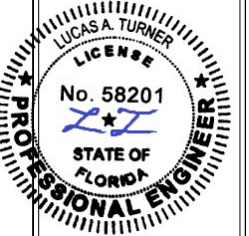
HARDWARE

DESCRIPTION	QTY.	MANUFACTURER
MULTI-POINT LOCK	1	SEGENIA (FAVORIT-312)
CONCEALED HINGES	3	SOSS (#212)

HARDWARE

DESCRIPTION	QTY.	MANUFACTURER
MULTI-POINT LOCK	1	GU (CONTURA)
3.5"x3.5" BUTT HINGES	3	McKINNEY

HARDWARE OPTIONS



10/18/2023

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HARDWARE DETAILS

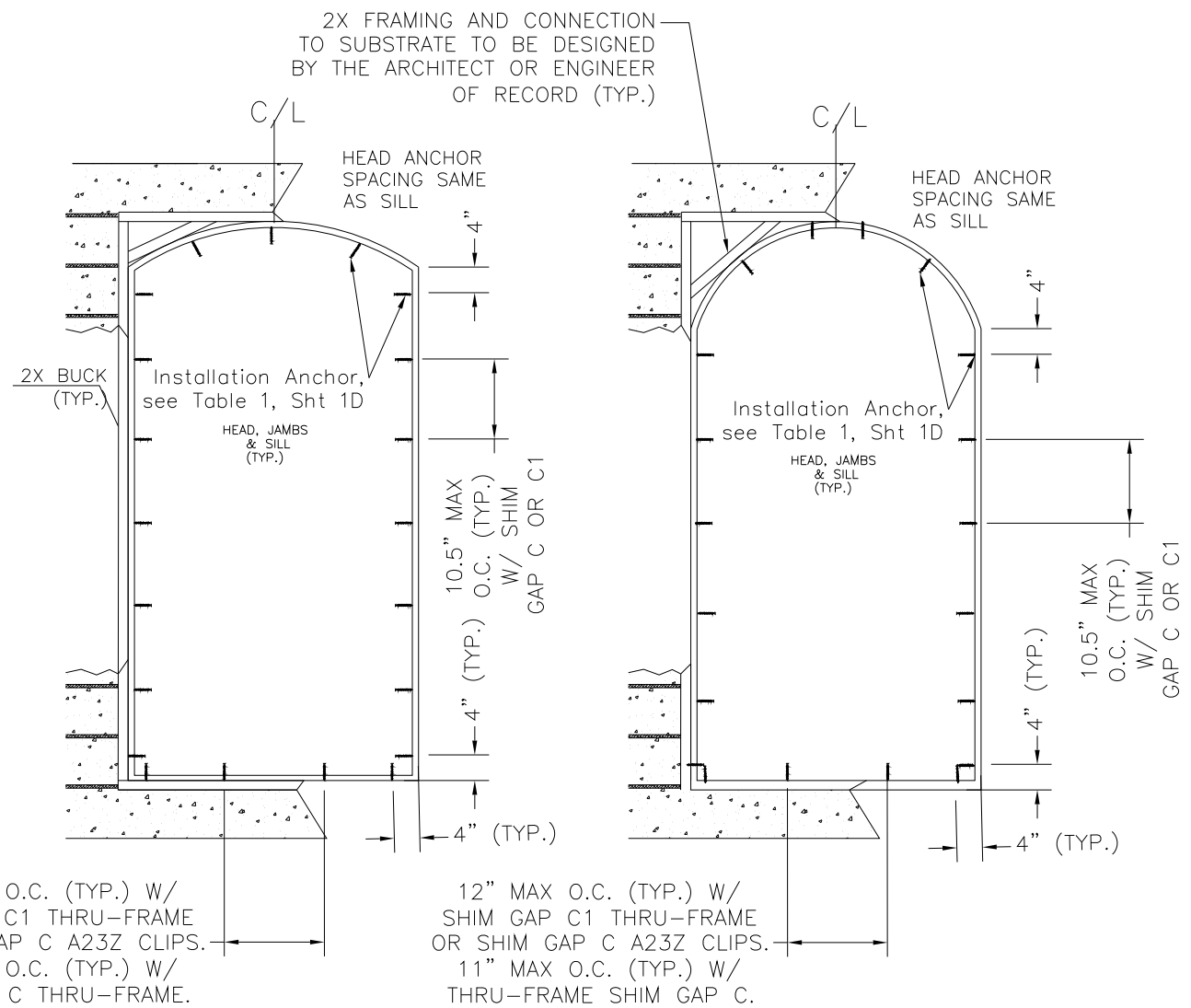
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Dwg: CA-X-OS
FL34942.1

Sheet No.
4D OF 6



8" MAX O.C.
SPACING

36

Installation Anchor,
see Table 1, Sht 1D
1 REQ'D
PER STRAP

J

2 REQ'D
PER STRAP

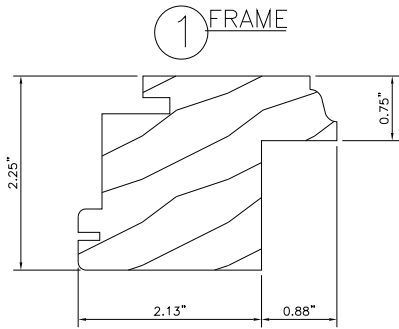
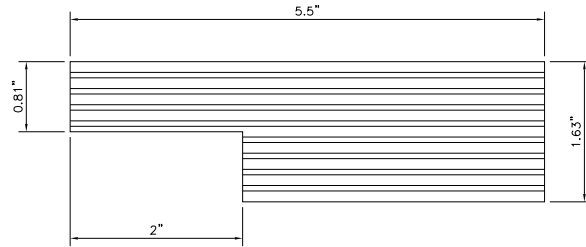
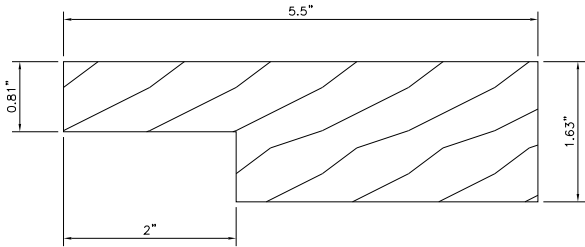
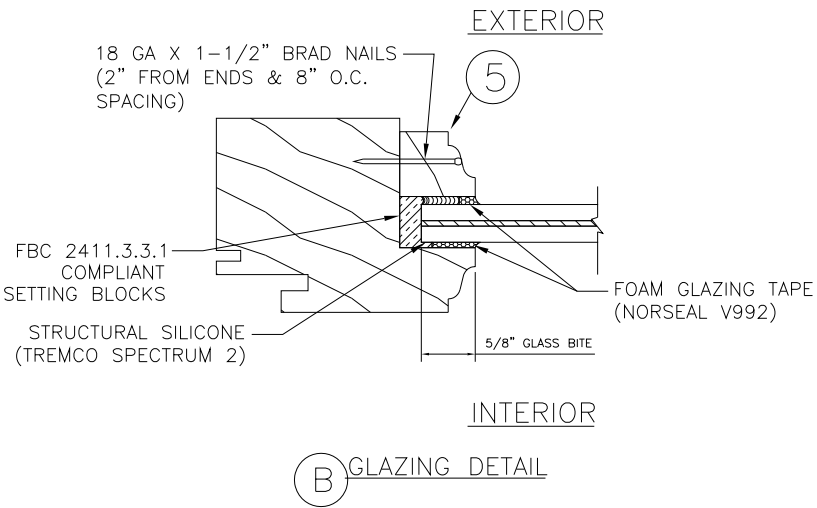
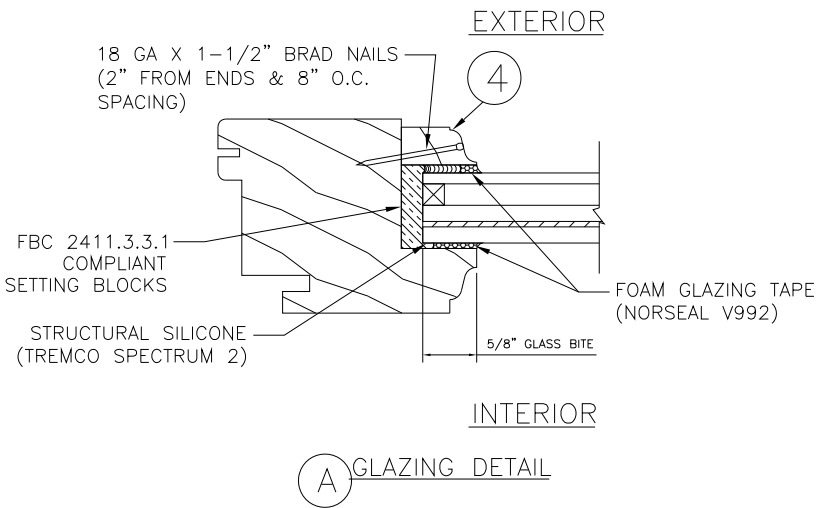
Substrate by Others
See Table 1, Sht 1D

JAMB

ALTERNATE STEEL STRAP ANCHORING

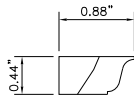
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG>=0.55)	WOOD
B	2X BUCK (SG>=0.55)	WOOD
C	1/2" MAX.SHIM SPACE	-
C1	1/4" MAX.SHIM SPACE	-
E	SOLID CONCRETE CONFORMING TO ACI 301 OR CMU BLOCK CONFORMING TO ASTM C90 (SEE TABLE 1, SHT 1)	MASONRY
H	#8 X 1-1/2" PFH WOOD SCREW	STEEL
J	#10 X 1-1/2" PFH WOOD SCREW	STEEL
M	#8 X 3/4" PPH SMS	STEEL
1	FRAME	WOOD
2	FRAME	LVL
3	SASH	WOOD
4	GLAZING BEAD (I.G.)	WOOD
5	GLAZING BEAD (MONO.)	WOOD
6	ANCHOR BRACKET (SIMPSON STRONG-TIE A23Z)	STEEL
7	WEATHERSTRIP ROVER PLASTIK 142AC OR SIMILAR	-
8	WEATHERSTRIP (SEALMAX TIMBERSEAL)	-
18	3.5" X 3.5" BUTT HINGE	STEEL
19	#10 X 1" PFH WOOD SCREWS	STEEL
20	MULTI-POINT LOCK (TRUTH MAXIM)	-
21	MULTI-POINT LOCK (GU CONTURA)	-
22	MULTI-POINT LOCK (SEGENIA FAVORIT-312)	-
24	SNUBBERS (GU OR TRUTH)	STEEL
25	2-BAR HINGE (TRUTH)	STEEL
26	CONCEALED PIVOT HINGE (GU)	STEEL
35	ALUMINUM SILL ANCHOR	ALUM
36	STEEL ANCHOR STRIP	STEEL

NOTE: ALL WINDOW FRAME WOOD: SG=0.50 MIN. (MAHOGANY OR SIMILAR)

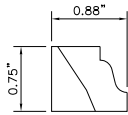


1 FRAME

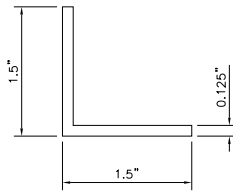
2 FRAME



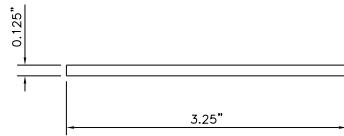
4 GLAZING BEAD
7/8" I.G.



5 GLAZING BEAD
7/16" MONO.



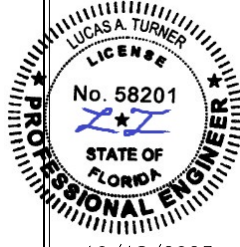
35 ALUMINUM ANCHOR
Full Length



36 STEEL ANCHOR STRIP
1.25" Wide

GLASS TYPES AND STRUCTURE

- A 15/16" (NOM.) LAMINATED INSULATING GLASS
1/8" EXTERIOR HEAT STRENGTHENED (IN HVHZ,
ALLOWED ONLY WITHIN 30 FT OF GRADE)
OR FULLY TEMPERED /
1/4" AIR SPACE WITH ALUMINUM SPACER /
3/16" ANNEALED
.075" INTERLAYER: SAFLEX CP BY
EASTMAN CHEMICAL COMPANY /
3/16" ANNEALED
- B 7/16" (NOM.) STORM GLASS
3/16" HEAT STRENGTHENED /
.075" INTERLAYER: SAFLEX CP BY
EASTMAN CHEMICAL COMPANY /
3/16" HEAT STRENGTHENED



10/18/2023

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Product: SINGLE OUTSWING CASEMENT WINDOW

BILL OF MATERIALS, COMPONENTS
& GLAZING DETAILS

Date: 10-05-15

Scale: None

Drawn: JDS

Dwg: CA-X-OS
FL34942.1

Sheet No.
6D OF 6