

REGENCY PLUS, INC.

SERIES 5215 VINYL XOx OUTSWING CASEMENT WINDOW

LARGE MISSILE IMPACT

INSTALLATION ANCHORAGE DETAILS

NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2.

2X WOOD FRAMING, 1X OR 2X WOOD BUCK, METAL FRAMING AND CONCRETE/MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE/MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3.

1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHEN 1X BUCK IS USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHEN USED, 1X BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4.

THE PRODUCT SHOWN HEREIN HAS BEEN TESTED TO THE FOLLOWING BY MOLIMA, LLC, 1410 EDEN ROAD, YORK, PA 17402

4.1.

TAS 201, TAS 202 AND TAS 203. SEE TEST REPORT NO. 31512.03-106-13-R2, DATED 4/15/26, SIGNED AND SEALED BY MICHAEL D. STEMMEI, FL P.E.

4.2.

AAMA/WDMA/CSA 101/I.S.2/A440-2022/2017. SEE TEST REPORT NO. 31512.01-106-11-R2, DATED 4/15/26.

4.3.

ASTM E1886-19 AND ASTM E1996-20. SEE TEST REPORT NO. 31512.02-106-11-R2, DATED 4/15/26.
5.

MATERIAL:

5.1.

FRAME: EXTRUDED RIGID PVC BY *VISION EXTRUSIONS GROUP LIMITED* PER CURRENT MIAMI-DADE NOA.

5.2.

REINFORCEMENT:

5.2.1.

VENTS AND FIXED PANEL PERIMETERS, ITEM NO. ST-888, 0.050 GALVANIZED STEEL OPEN TUBE

5.2.2.

INTERMEDIATE JAMBS (T-MULLION). ITEM NO. GS 1500750, 0.12 HR STEEL C-SECTION (BACK-TO-BACK)

5.3.

LAMINATE GLASS INTERLAYER: TROSIFOL INTERLAYER BY KURARAY AMERICA, INC. PER CURRENT MIAMI-DADE NOA.

6.

GLAZING:

6.1.

GLAZING DETAIL AS TESTED:

6.1.1.

OVERALL: 7/8" NOMINAL INSULATING LAMINATED GLASS.

6.1.2.

GLASS THICKNESS: (1) LITE OF 3/16" NOMINAL TEMPERED GLASS TO THE INTERIOR AND (1) LITE OF LAMINATED GLASS TO THE EXTERIOR.

6.1.3.

LAMINATED LITE: (2) LITES OF 3/32" NOMINAL ANNEALED GLASS SEPARATED BY A 0.090" TROSIFOL INTERLAYER BY KURARAY AMERICA, INC.

6.1.4.

SPACER TYPE/SIZE: 11/32" NOMINAL CARDINAL ENDUR IG STAINLESS STEEL SPACER.

6.1.5.

GLAZING SYSTEM: INTERIOR GLAZED USING SIKAFLEX 552 BACKBEDDING WITH A SNAP-IN (2) LEAF DUAL DUROMETER RIGID VINYL GLAZING BEAD.

6.2.

ALL SETTING BLOCKS AND GASKET MATERIALS 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. GASKET MATERIALS SHALL BE EDPM WITH A MINIMUM 60 SHORE A DUROMETER WHERE APPLICABLE.

6.3.

AS TESTED GLAZING MEETS ASTM E1300-16 FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.

7.

APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS INCLUDING THE HVHZ.

8.

SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".

9.

SEE INSTALLATION NOTES AND ANCHOR SCHEDULE ON SHEET 5 FOR DETAILS RELATED TO ANCHORAGE AND INSTALLATION REQUIREMENTS.

10.

ALL FASTENERS TO BE CORROSION RESISTANT OR HAVE A CORROSION RESISTANT COATING

PERFORMANCE RATING	
DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+/- 55 PSF	LARGE MISSILE IMPACT MISSILE LEVEL D - WIND ZONE 4

TABLE OF CONTENTS	
SHEET	DESCRIPTION
1	NOTES
2, 3 & 4	ELEVATION AND ANCHOR ELEVATIONS
5	ANCHOR SCHEDULE AND INSTALLATION NOTES
6	VERTICAL SECTIONS - CONCRETE & WOOD SUBSTRATES
7	VERTICAL SECTIONS - METAL SUBSTRATES
8	HORIZONTAL SECTIONS - CONCRETE/MASONRY, WOOD & METAL SUBSTRATES
9 & 10	COMPONENTS AND FRAME CONSTRUCTION
11	BILL OF MATERIALS

REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851

SERIES TECH 5215 VINYL XOx OS CASEMENT WINDOW - LMI

ANCHORAGE DETAILS

DATE	BY	REVISION DESCRIPTION	REV.			

DATE: 2/10/26	DWN BY: RJA	CHK BY: RJA	SCALE: NONE
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ROBERT J. AMORUSO, P.E. #49752
AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
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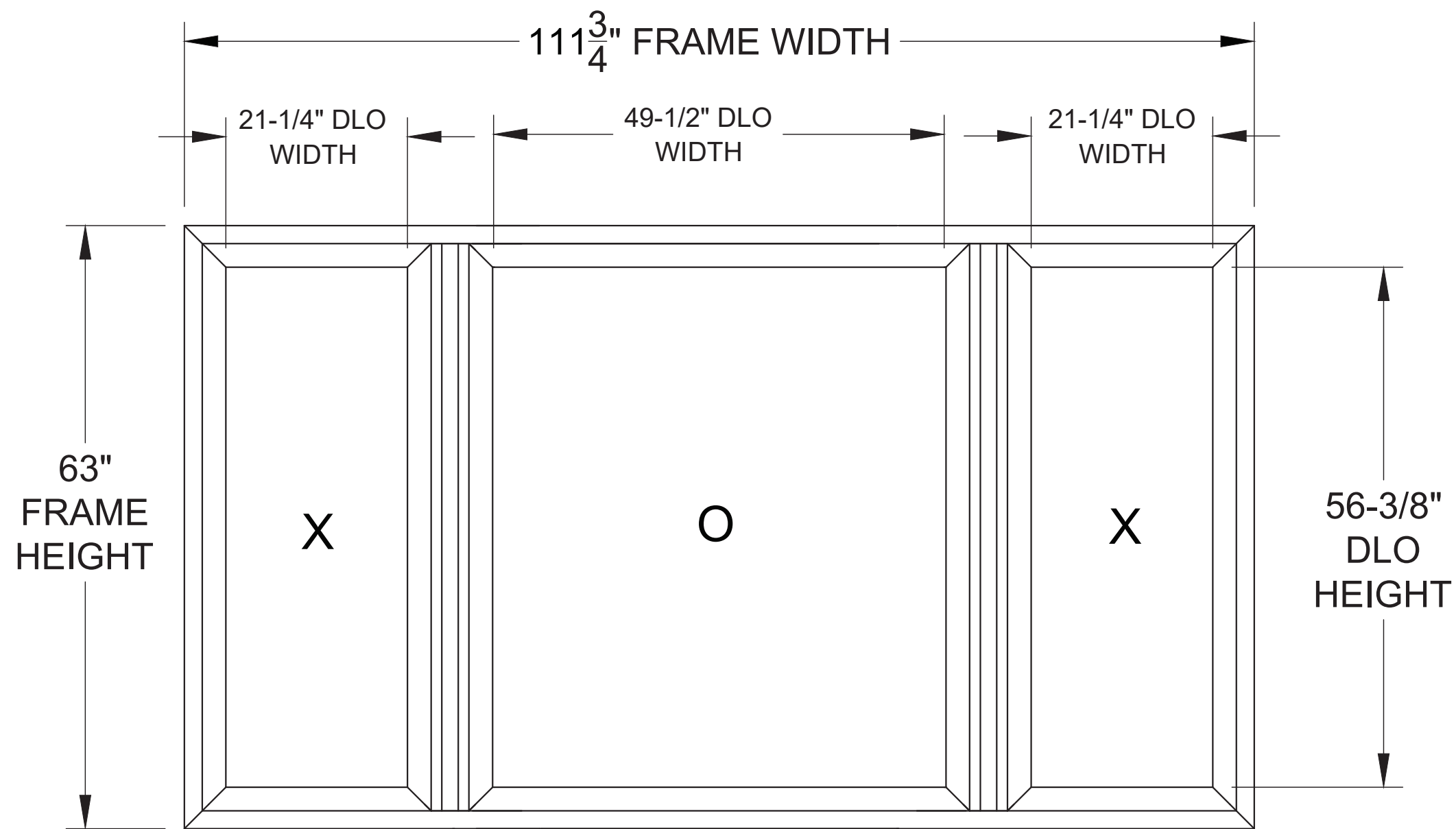


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SHT: 1 of 11



SERIES 5215 VINYL OUTSWING
CASEMENT WINDOW
EXTERIOR VIEW

NOTES:

1. MAXIMUM ACTIVE PANEL (VENT) SIZE: 26-1/2" X 61-3/4"
2. FIXED PANEL SIZE: 54-3/4" X 61-3/4"
3. WEEP HOLES EMPLOYED AT SILL. SEE SHEET 9 FOR LOCATION.
4. HARDWARE, SEE TABLE AT RIGHT.
5. SEE SHEET 9 FOR COMPONENT IDENTIFICATION.

PERFORMANCE RATING	
DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+/- 55 PSF	LARGE MISSILE IMPACT MISSILE LEVEL D - WIND ZONE 4

Description	Quantity	Location
Rotary operator	2	10-1/2" From the jambs on the sill
(3) Bar hinge	4	Top rails/head and bottom rails/sill at the hinge stiles
Single handle (5) point integrated metal lock system	2	9" From the bottom of the intermediate jambs with lock points located 2", 12", 26", 38" and 53" from the bottom
Metal keepers	10	Lock stile at the lock locations
Metal snubber	10 sets	11", 21", 30", 39" and 49" From the bottom of the jambs with corresponding snubbers on the hinge stiles

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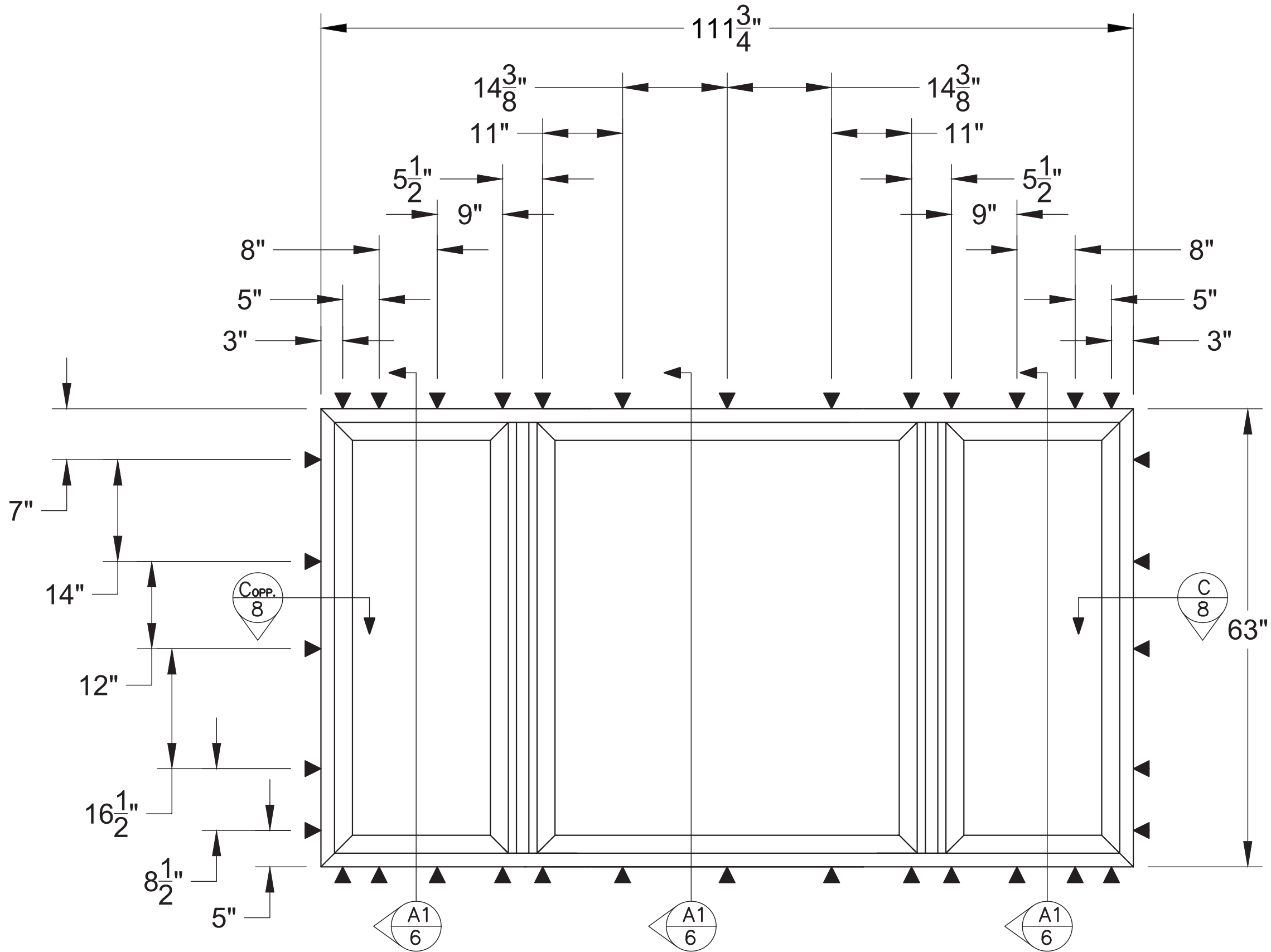


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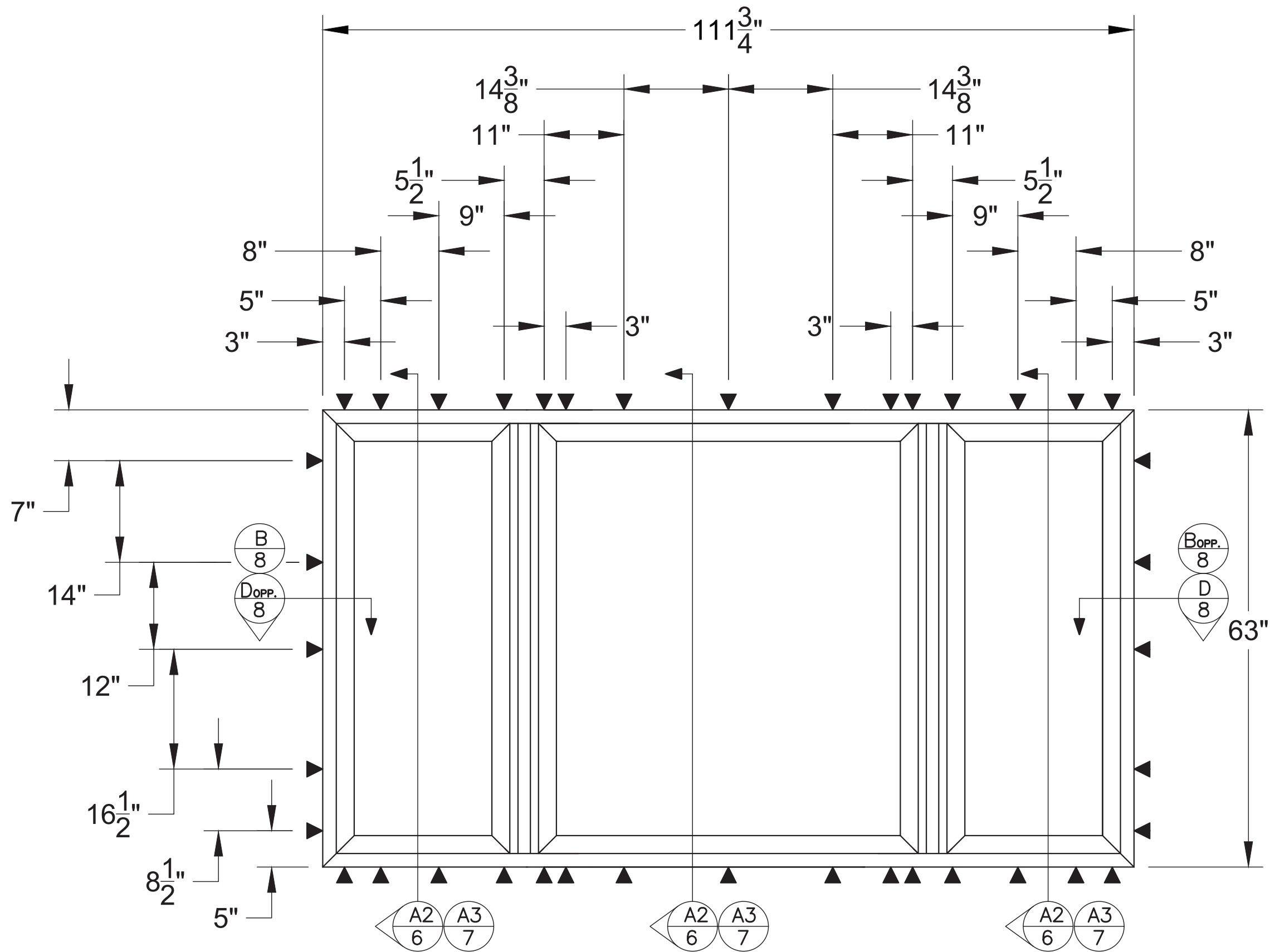
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SHT: 3 of 11



SERIES 5215 VINYL OUTSWING
CASEMENT WINDOW
EXTERIOR VIEW
CONCRETE & CMU ANCHORAGE

- INSTALLATION NOTES:
1. HEAD AND SILL ANCHORAGE THE SAME.
 2. JAMB ANCHORAGE SAME.
 3. +/- 1" TOLERANCE ON ANCHOR LOCATION.
3.1. TAPCON MINIMUM SPACING IS 4" OC.



SERIES 5215 VINYL OUTSWING
CASEMENT WINDOW
EXTERIOR VIEW
2X WOOD & STEEL STUD ANCHORAGE

- INSTALLATION NOTES:
1. HEAD AND SILL ANCHORAGE THE SAME.
 2. JAMB ANCHORAGE SAME.
 3. +/- 1" TOLERANCE ON ANCHOR LOCATION.
 - 3.1. SHEET METAL, WOOD AND TAPPING SCREW MINIMUM SPACING IS 2" OC.

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ANCHOR SCHEDULE							
ANCHORING METHOD	SUBSTRATE	SCREW HEAD TYPE	SCREW SIZE	MANUFACTURER AND/OR SPECIFICATION (1)	EMBEDMENT (IN)	EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON THE FOLLOWING SUBSTRATE STRENGTHS
THROUGH FRAME	CONCRETE	HEX OR PAN HEAD PREFERRED.	1/4"	ITW TAPCONS	1–1/2"	1–1/2"	MIN. 2500 PSI CONCRETE
	MASONRY (BLOCK/CMU)	FLAT HEAD ACCEPTABLE.	1/4"	ITW TAPCONS	1"	2"	ASTM C90 MED. WT. (DENSITY) > 117 PCF) MASONRY (CMU) MIN
	WOOD	PAN HEAD PREFERRED.	NO. 14	ANSI B18.6.1 (WOOD SCREW)	1–1/2"	1"	WOOD WITH A MINIMUM SPECIFIC GRAVITY: 0.55 (HVHZ) OR 0.42 (NON–HVHZ)
			NO. 14	ASME B18.6.4 (TAPPING SCREW)	1–1/2"	1"	
	STEEL STUD	FLAT HEAD ACCEPTABLE.	1/4"	ASME B18.6.4 (GRADE 5 TAPPING SCREW) Type AB Threads (requires pilot hole) or Self–Drilling (drill shaped point)	At least three full threads protrude into the interior of the steel stud.	3/8"	STEEL STUD, MIN. 20 GA. 33 MIL., 0.0329 INCH Fy = 33 KSI MIN. AND Fu = 45 KSI MIN.
	NOTES:						
(1) ITW (ADVANCED THREADFORM TECHNOLOGY) TAPCONS WILL BE USED FOR CONCRETE/MASONRY INSTALLATION.							

INSTALLATION NOTES:

1. APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:

1.1. WOOD FRAMING,

1.2. STEEL STUD FRAMING, AND

1.3. CONCRETE AND/OR MASONRY.
2. 2X WOOD FRAMING, 1X OR 2X WOOD BUCK, METAL FRAMING AND CONCRETE/MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE/MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHEN 1X BUCK IS USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHEN USED, 1X BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
5. SEE ANCHOR SCHEDULE ABOVE FOR ANCHOR TYPES AND SUBSTRATE REQUIREMENTS.
6. INTERIOR AND EXTERIOR FINISHES BY OTHERS. NOT SHOWN FOR CLARITY.
7. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED AND/OR SPECIFIED IN ACCORDANCE WITH ASTM E2112.

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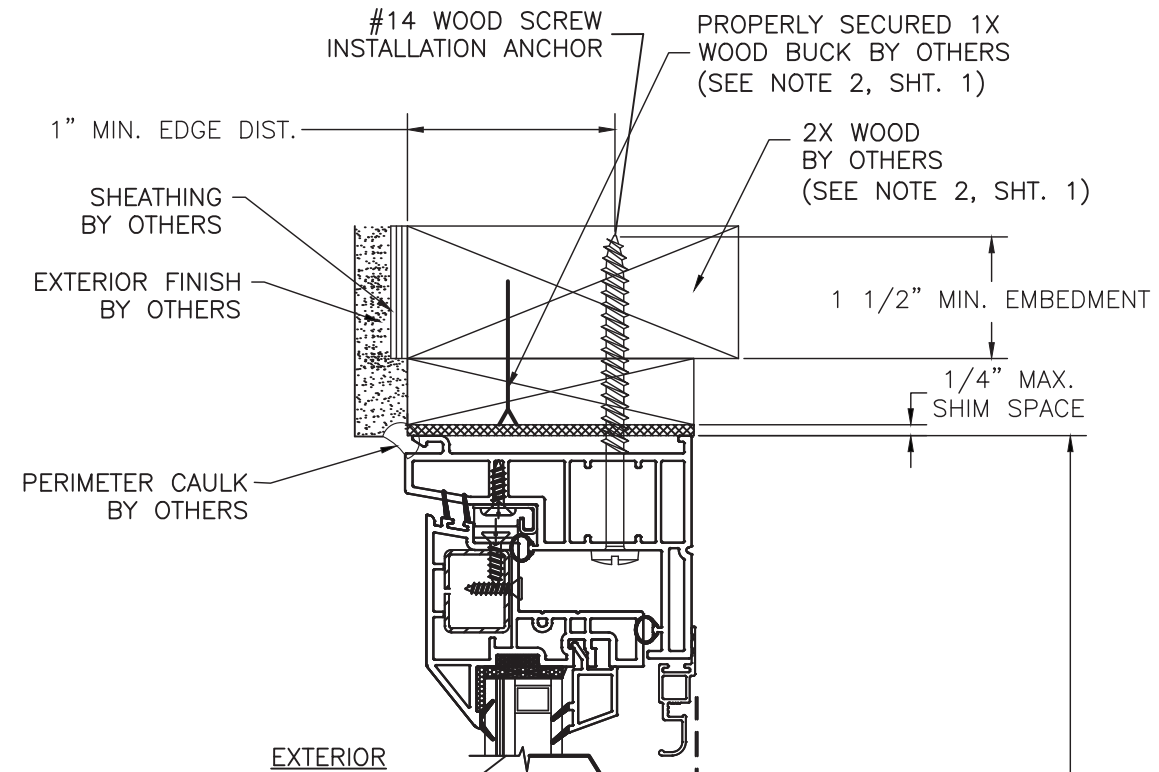
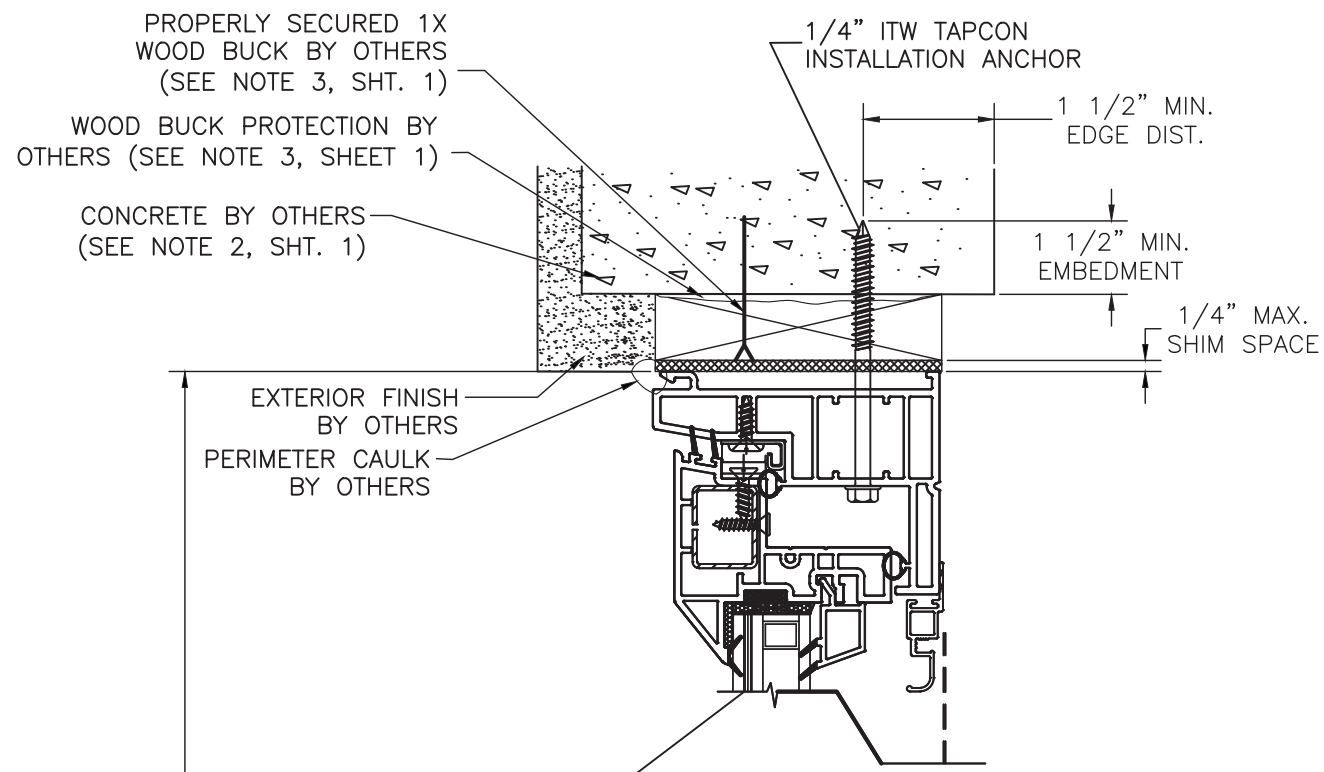


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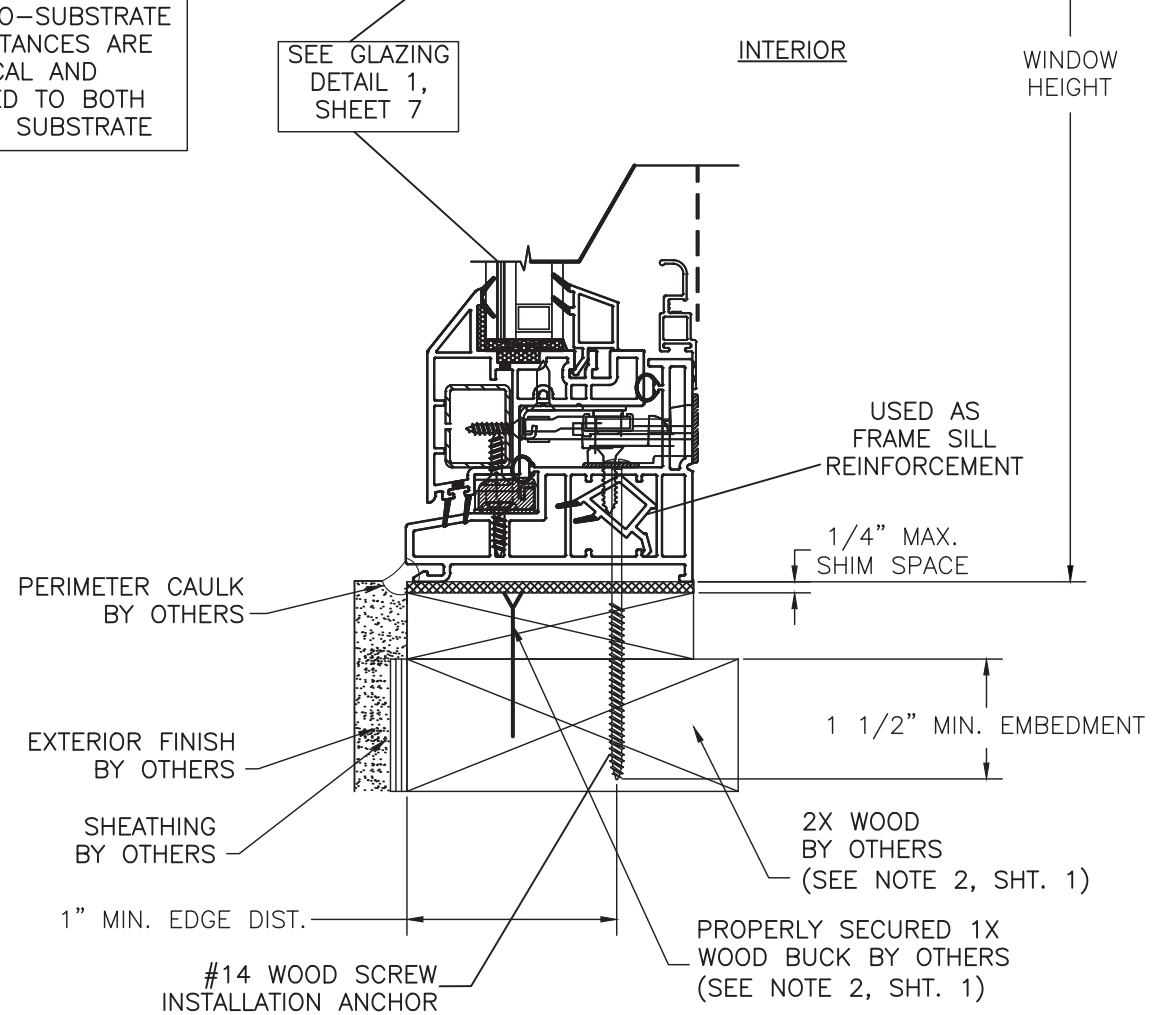
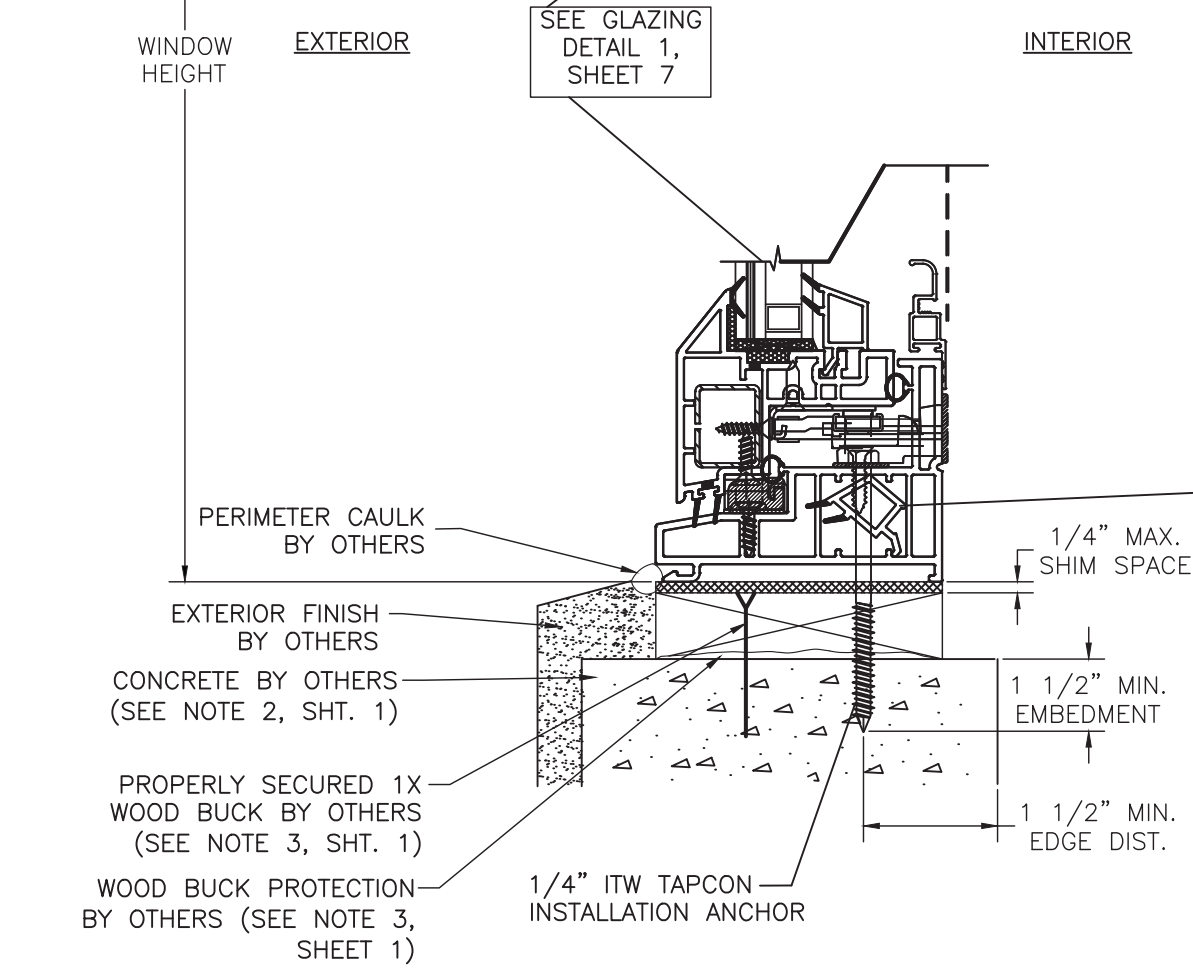
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SHT: 5 of 11



ANCHOR-TO-SUBSTRATE
EDGE DISTANCES ARE
TYPICAL AND
MEASURED TO BOTH
SIDES OF SUBSTRATE



A1 VERTICAL SECTION
CONCRETE SUBSTRATE

A2 VERTICAL SECTION
WOOD SUBSTRATE

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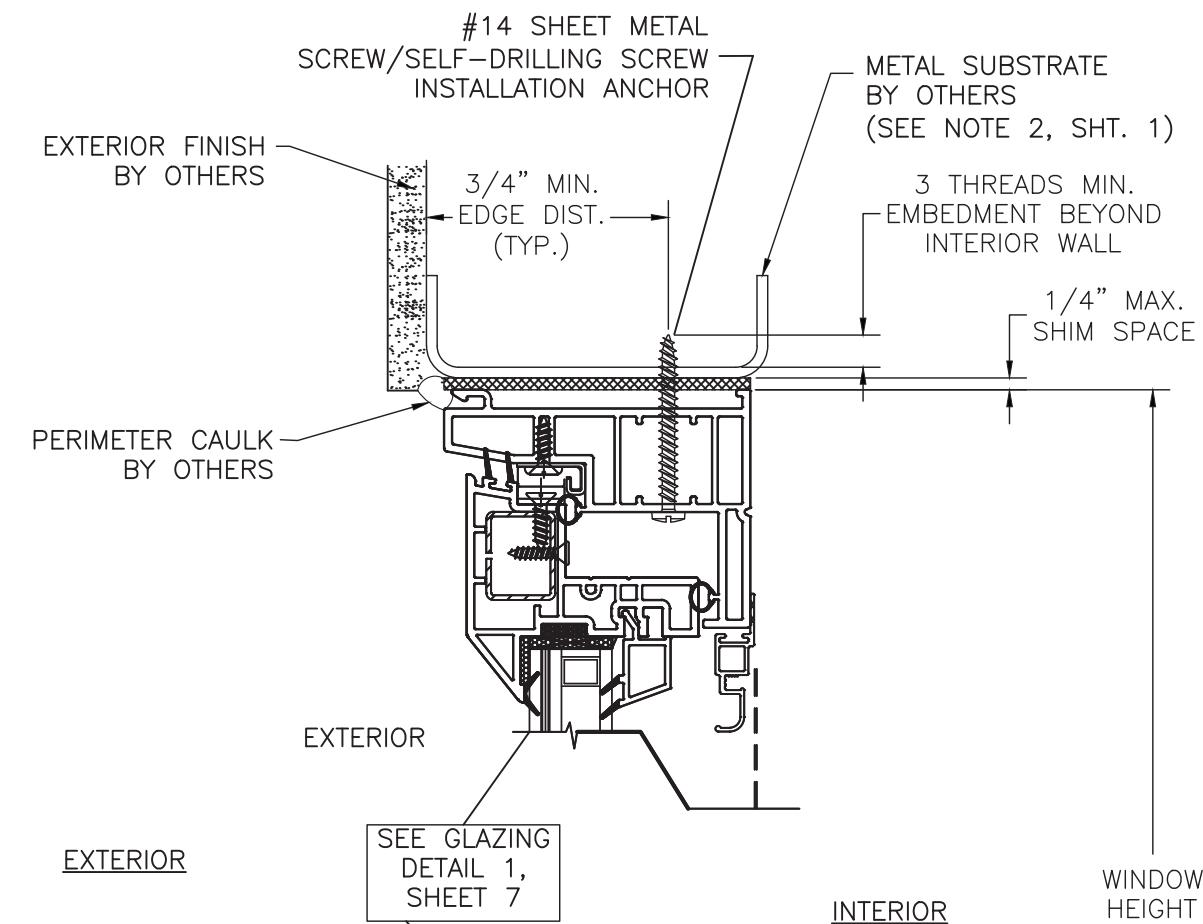
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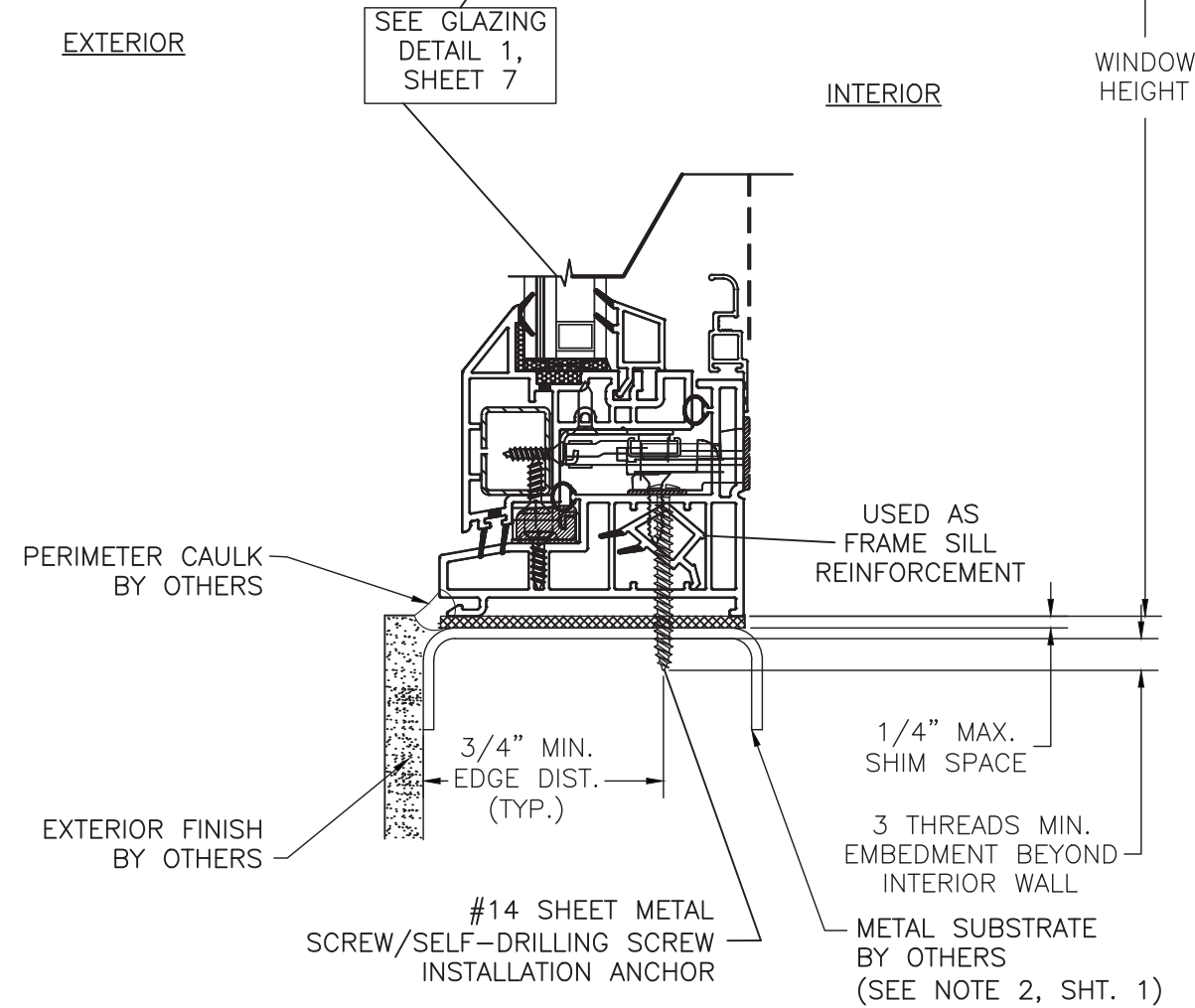


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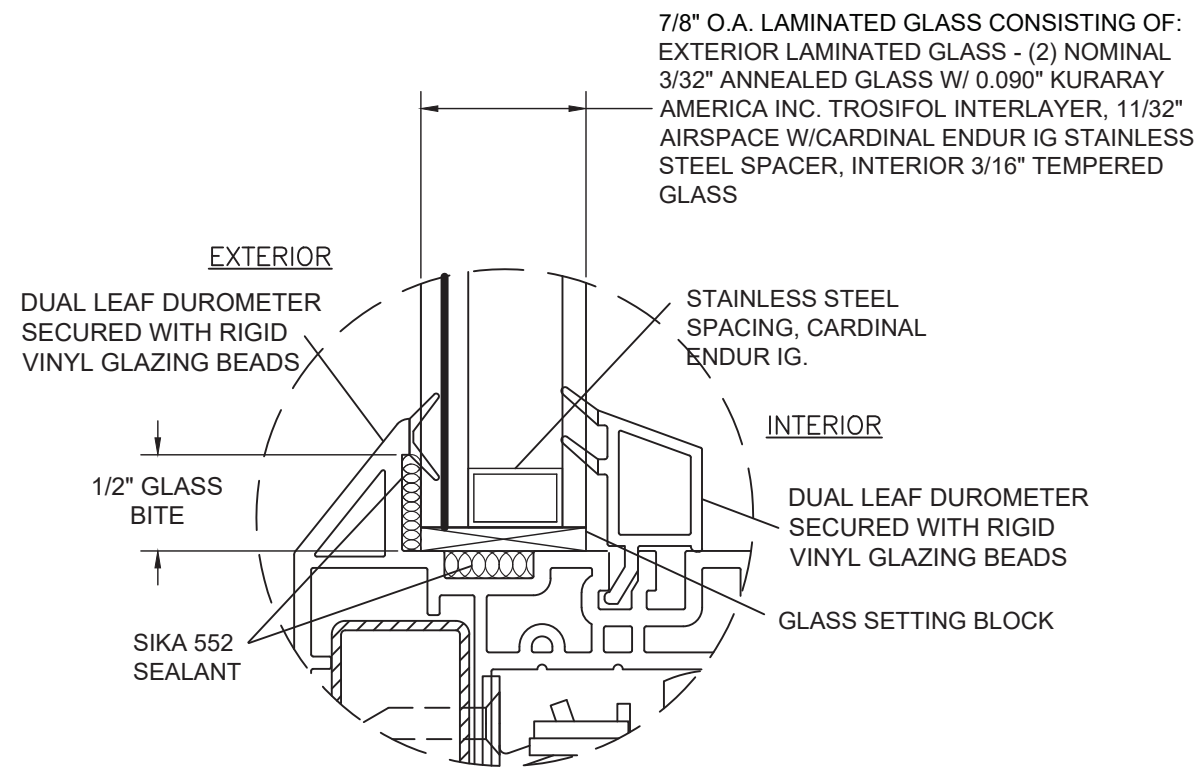
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SHT:	6 of 11



ANCHOR-TO-SUBSTRATE
EDGE DISTANCES ARE
TYPICAL AND
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A3 **VERTICAL SECTION**
METAL SUBSTRATE



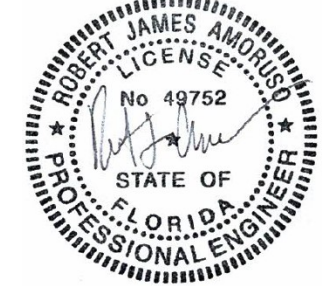
GLAZING DETAIL 1

REGENCY PLUS, INC.
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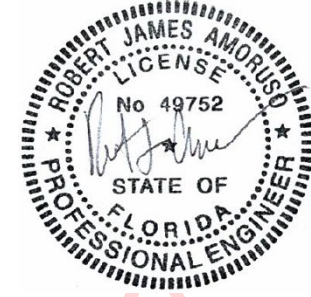
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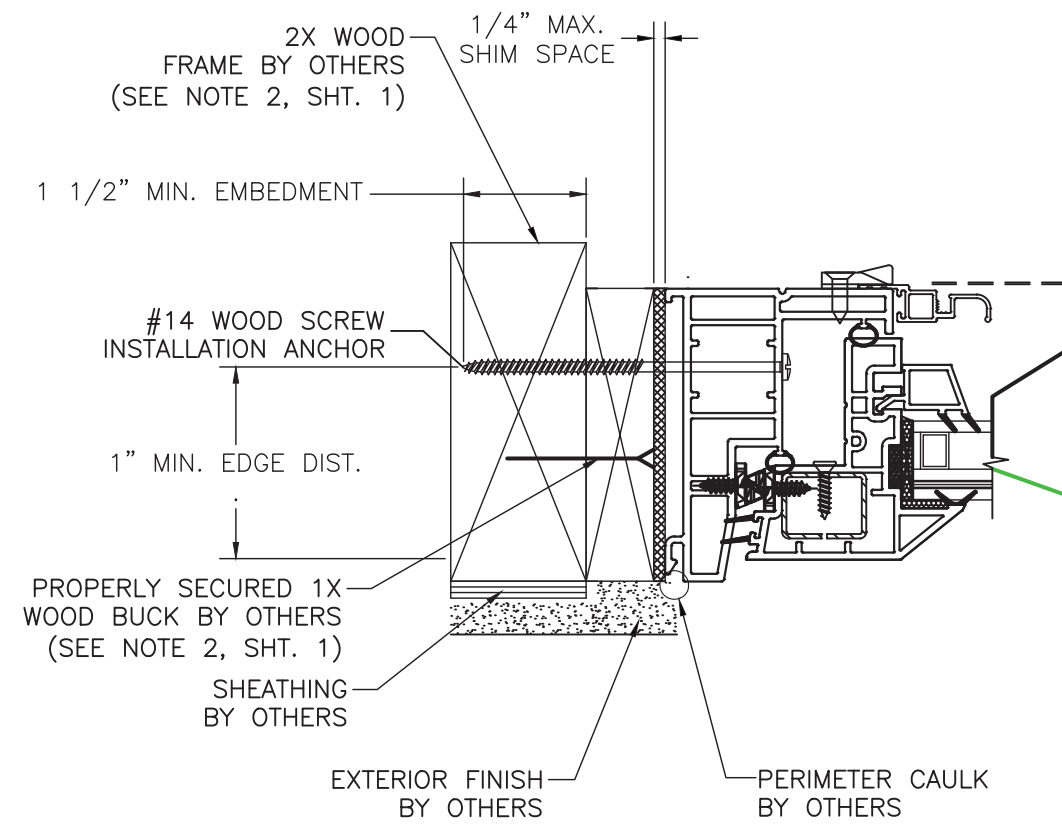
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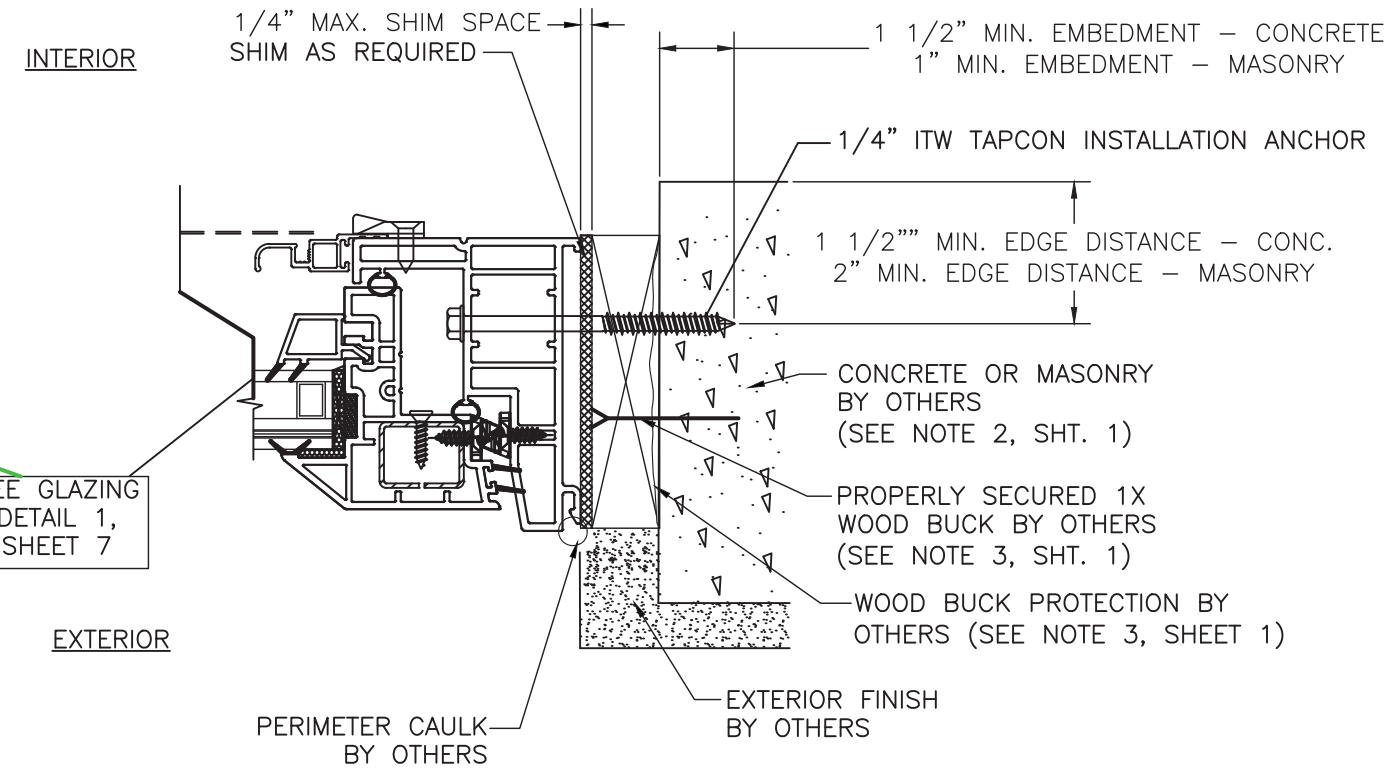


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SHT:	8 of 11

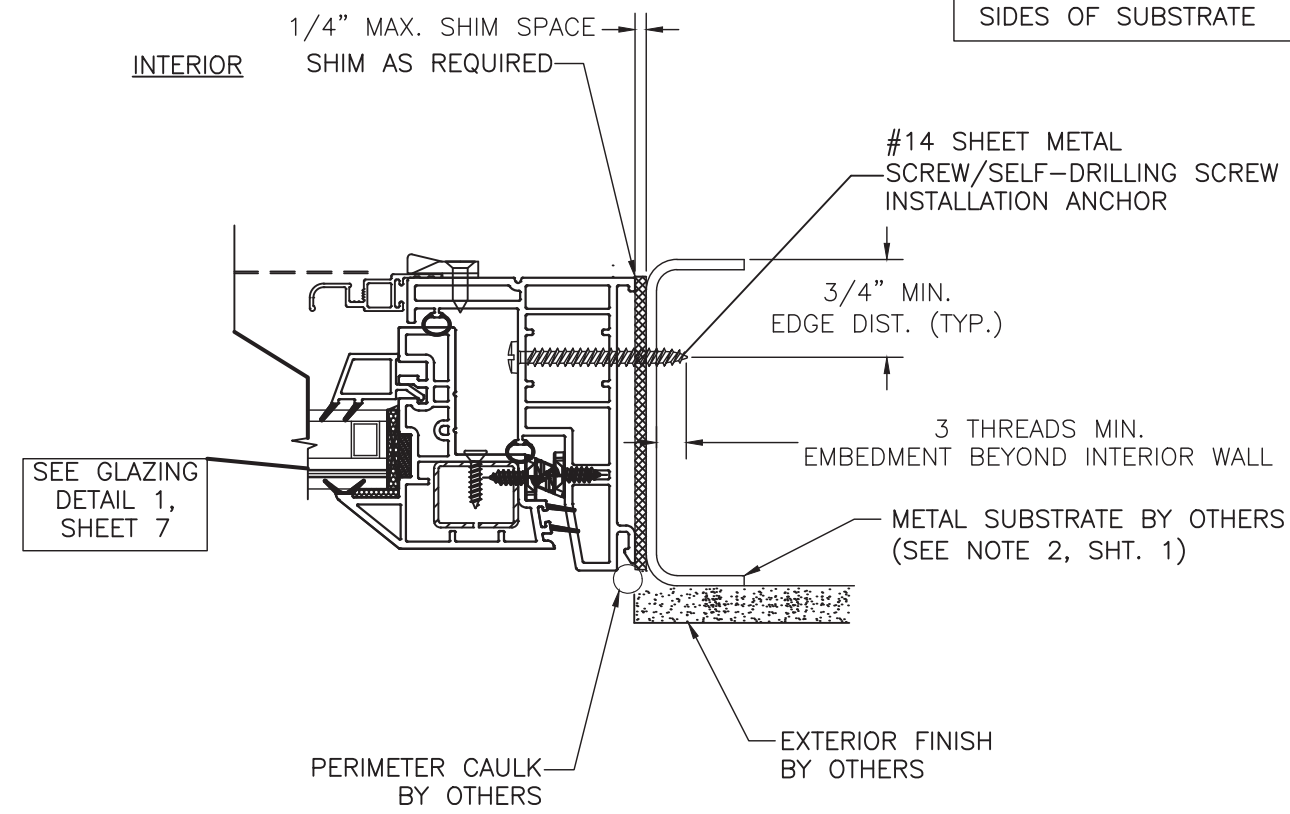


B HORIZONTAL SECTION
WOOD FRAME SUBSTRATE



C HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE

ANCHOR-TO-SUBSTRATE
EDGE DISTANCES ARE
TYPICAL AND
MEASURED TO BOTH
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D HORIZONTAL SECTION
METAL SUBSTRATE

SERIES 5215 VINYL XOX OUTSWING CASEMENT WINDOW

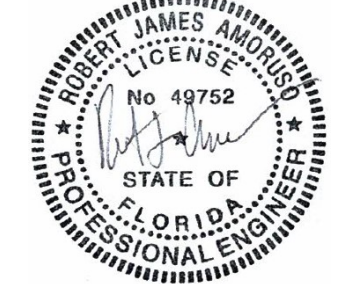
COMPONENT PART NUMBERS OR DESCRIPTIONS (SEE BOM)

REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
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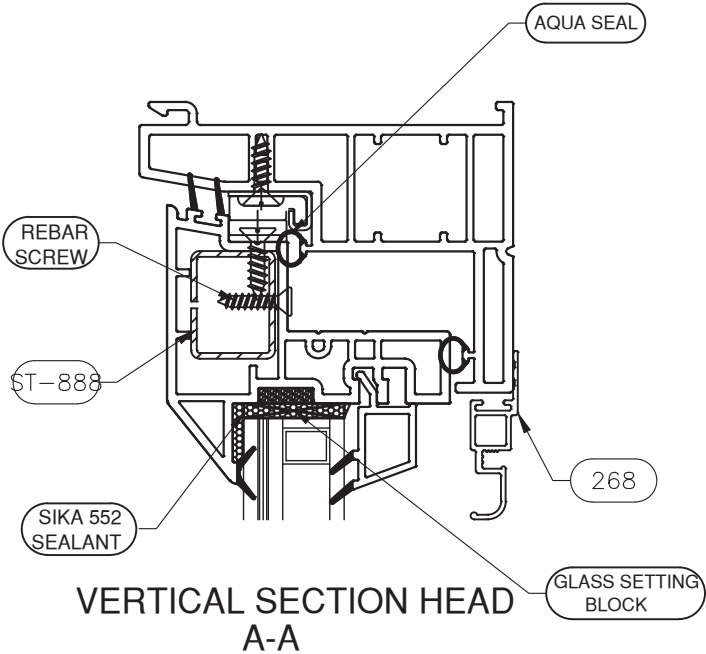
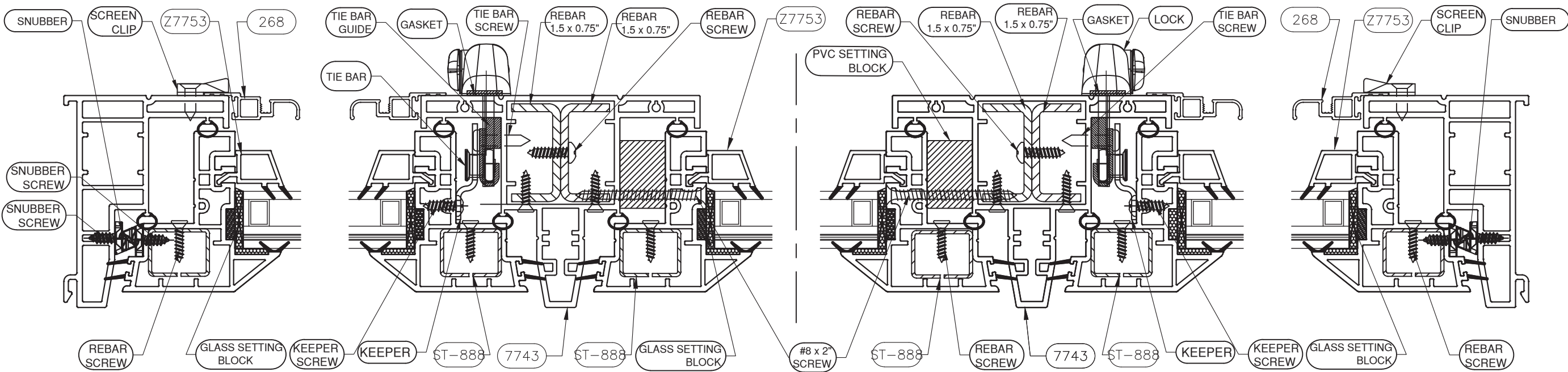
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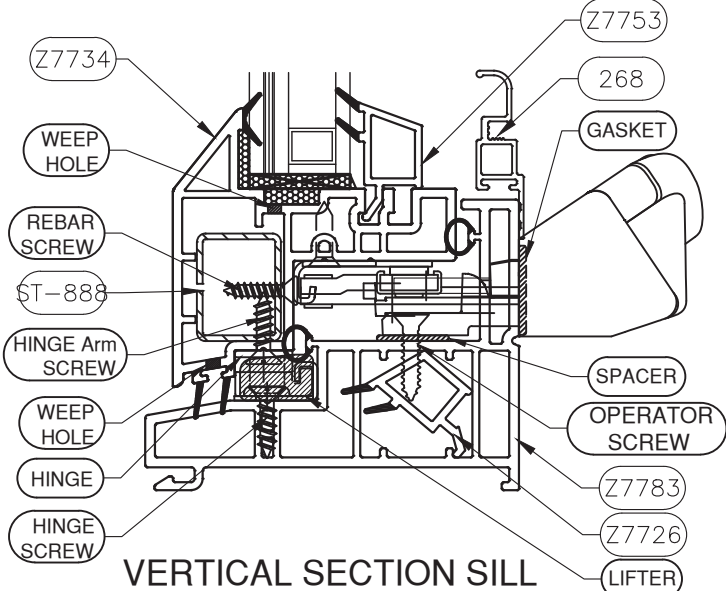
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SHT:	9 of 11

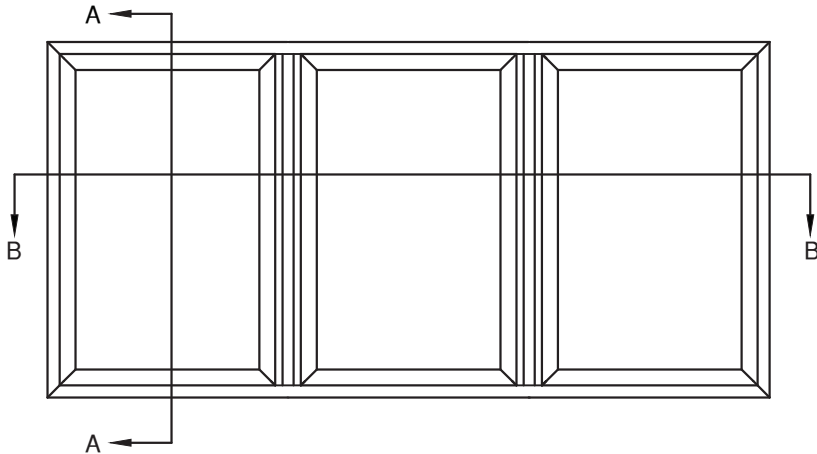
HORIZONTAL SECTION
B-B



VERTICAL SECTION HEAD
A-A

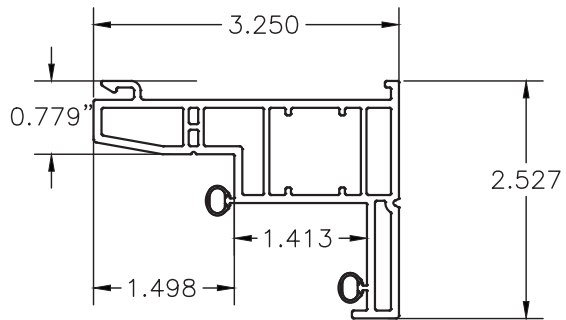


VERTICAL SECTION SILL
A-A



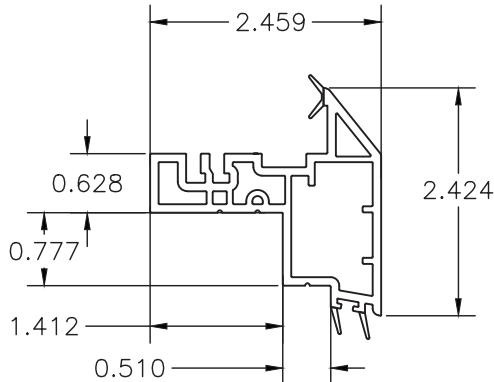
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MAIN FRAME
0.085" TYP. WALL THICKNESS



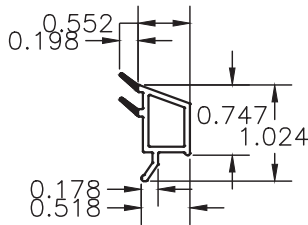
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SASH FRAME
0.080" TYP. WALL THICKNESS



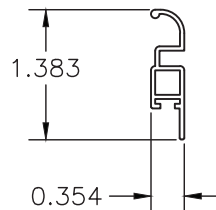
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GLAZING BEAD
0.060" TYP.
WALL THICKNESS



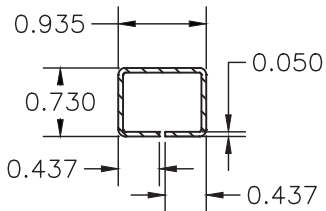
268

SCREEN FRAME
0.045" TYP.
WALL THICKNESS



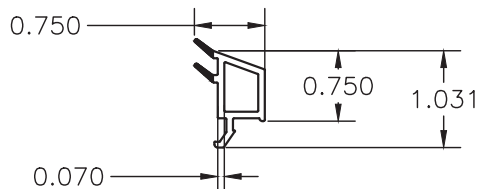
ST-888

SASH REINFORCEMENT
0.05" TYP. WALL
THICKNESS
GALVANIZED



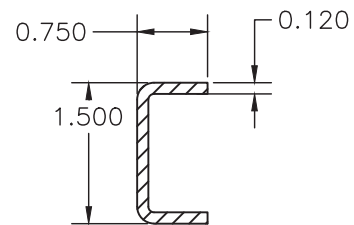
7726

MASTER FRAME INSERT
0.07" TYP. WALL THICKNESS

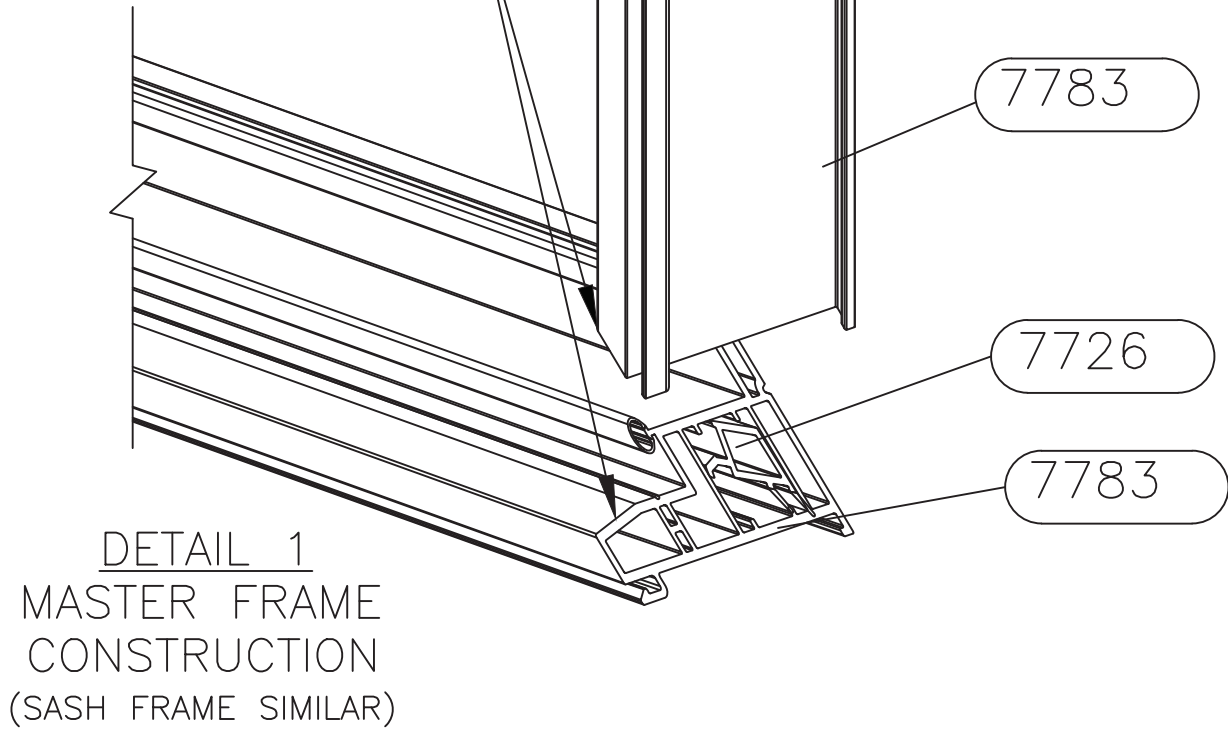


GS-1500750

MULLION REINFORCEMENT
0.12" TYP. WALL THICKNESS
HRS

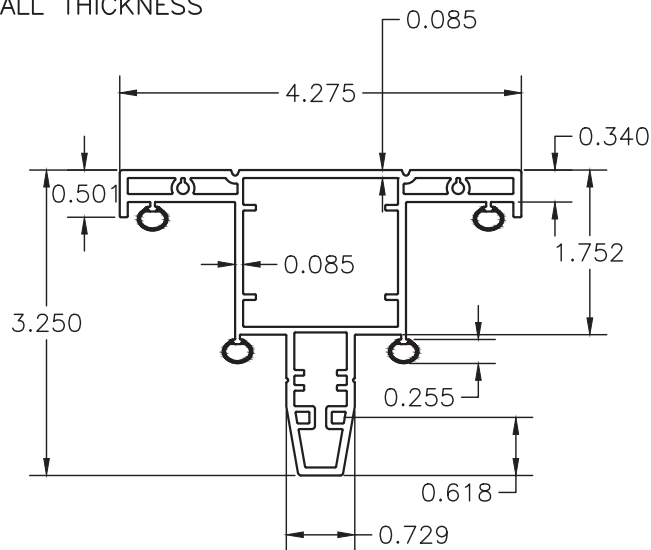


WELDED MITERED
CORNER
CONSTRUCTION



7743

T-MULLION 0.085" TYP.
WALL THICKNESS



REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851

SERIES TECH 5215 VINYL XO OS CASEMENT WINDOW - LMI ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	REV.				

DATE: 2/10/26	DWN BY: RJA	CHK BY: RJA	SCALE: NONE
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ROBERT J. AMORUSO, P.E. #49752
AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM



Digitally signed
by Robert J
Amoruso
Date: 2026.04.23
17:06:59 -04'00'

PROJECT#:	ACE-2025-133
DWG/REV:	RPLS0088-FPAS, Rev. 0
SHT:	10 of 11

Series Tech 5215 Impact Casement MD 3-Lite / Bill of Material			
Part Numbers	Description	Quantity	Supplier
IV White / 7783	Master Frame (H)	2	Vision Dominion
IV White / 7783	Master Frame (W)	2	Vision Dominion
IV White / 7734	Sash Frame (Operating Sash) / (H)	6	Vision Dominion
IV White / 7734	Sash Frame (Operating Sash) / (W)	6	Vision Dominion
IV White / 7743	T-Mullion / (H)	2	Vision Dominion
IV White / 7753	Glazing Bead Stop (Operating Sash) / (H)	4	Vision Dominion
IV White / 7753	Glazing Bead Stop (Operating Sash) / (W)	4	Vision Dominion
IV White / 7726	Master Frame (W) Insert	2	Vision Dominion
O14764	Single Leg Frame New White (H)	4	Mountain Ridge Metal
O14764	Single Leg Frame New White (W)	4	Mountain Ridge Metal
3024413	Fiberglass Screen Cloth Charcoal / 24" x 600'	2	Phifer
EX-FLX-Q150-TPE-BK	Screen Spline (H / W)	8	Imperial Plastic USA
CK252X260	Aluminum Corner Keys	8	Hygrade Metals
ST-888-168-0.062	Sash Frame (Operating Sash) / (H)	6	Hygrade Metals
ST-888-168-0.062	Sash Frame (Operating Sash) / (W)	6	Hygrade Metals
ST-175-144-0.120	T-Mullion / (H)	4	Rollform
8794352	Screen Clip Clear	8	Ashland Hardware
FB1383	30PP12-18P50-9/16 X1 3/8 X 3 Foam Block	4	Lindenmeyr
02-MX0150010C2	Accessory Parts Installation Translucent	3	Novagard Silicones
552 Sikaflex Black	Wet Glaze (Operating Sash / Fixed Center Sash / Operating Sash)	3	Sika US
41215106-C/1"x2"x13mm	Fixed Center Sash	20	Sabic Polymershapes
12614.32	Handle Cover-L-White	1	Amesbury /Truth
12616.32	Handle Cover-R-White	1	Amesbury /Truth
14690.93	Casement Sash-LH-Bracket	1	Amesbury /Truth
14691.93	Casement Sash-RH-Bracket	1	Amesbury /Truth
14.97.00.071	Hinge-LH-Egress Impact Common Track	2	Amesbury /Truth
14.97.00.070	Hinge-RH-Egress Impact Common Track	2	Amesbury /Truth
14.97.00.203	Hinge-LH-Egress Impact	2	Amesbury /Truth
14.97.00.204	Hinge-RH-Egress Impact	2	Amesbury /Truth
21306	Casement Operator Red Cap	2	Amesbury /Truth
22648	Sash Lifter	2	Amesbury /Truth
24.30.32.004	Encore Multi-Point Lock / Short / Gasket	2	Amesbury /Truth
32658	Encore Operator White Gasket	2	Amesbury /Truth
23820	Encore Support Plate	2	Amesbury /Truth
21544	Operator Spacer	2	Amesbury /Truth
32627.93	Encore Keeper LH	4	Amesbury /Truth
32626.93	Encore Keeper RH	4	Amesbury /Truth
33705	MP Tie Bar Guide	8	Amesbury /Truth
38.94	Casement Tie Bar 38.9	2	Amesbury /Truth
21642.92	Snubber Interlock	16	Amesbury /Truth
19128.92	# 10-24 x 11/16" Self Tapping Machine / Lock Handle	4	Amesbury /Truth
120520	# 8 x 2" Screw Tek / Setting Blocks / Fixed Center Section	16	GLF Corporation
171859	# 8 x 5/8" Tek / Stud Bracket	40	GLF Corporation
156466	# 10 x 2 1/2" Tek	6	GLF Corporation
119977	# 8 x 1" Tek / Casement Operator	12	GLF Corporation
117595	# 6 x 5/8" Tek / Frame Center Section	16	GLF Corporation
117595	# 6 x 5/8" Tek / Sash Rebar (LH)	4	GLF Corporation
117595	# 6 x 5/8" Tek / Sash Rebar (RH)	4	GLF Corporation
117595	# 6 x 5/8" Tek / T-Mullion / (H/2)	8	GLF Corporation
117598	# 8 x 1" Tek / Flat Head SS Tiebar Guide	12	GLF Corporation
120145	# 8 x 1/2" Pan Head / Keeper Screws	16	GLF Corporation
127315	# 10 x 1" FLT Sharp Point / Operator Screws	16	GLF Corporation
116506	# 5 x 3/8" Tek / Screen Clips White	8	GLF Corporation
2NB-8K-0.125-032-064	Glass Setting Blocks Fixed (W) Base	4	Frank Lowe
2NB-8K-0.125-032-064	Glass Setting Blocks Sash (W) (RH /LH) Base	4	Frank Lowe
Hurricane Lamineate Impact	Operating Vent Sash E366 2.7mm / 0.9.0 PVB Interlayer IG	2	Cardinal
Hurricane Lamineate Impact	Fixed Center Section Sash E366 2.7mm / 0.9.0 PVB Interlayer IG	1	Cardinal

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