

SERIES 2-3-4250i XLT INVENT RETRO

THERMALLY BROKEN ALUMINUM FIXED WINDOW

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 8th EDITION (2023) FLORIDA BUILDING CODE FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE. CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

2. THIS PRODUCT IS APPROVED IN THE CONFIGURATIONS INDICATED IN THIS DRAWING. IF MULTIPLE PRODUCTS OR FRAMING OPTIONS AS INDICATED HEREIN, AND/OR AS NOTED IN SEPARATE APPROVALS, ARE ASSEMBLED TOGETHER, THE LOWEST DESIGN PRESSURE OF ALL PRODUCTS/OPTIONS SHALL APPLY TO THE ENTIRE ASSEMBLY.

3. THIS PRODUCT AS SHOWN IN THIS DRAWING IS NOT IMPACT RESISTANT, AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.

4. GLAZING AS INDICATED IS COMPLIANT WITH ASTM-E1300.

5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.

6. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, AND BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDACE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. WITH MASONRY OPENINGS, PRODUCTS MAY BE INSTALLED DIRECTLY TO MASONRY.

7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.

8. ANCHORAGE NOTES: ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS. INSTALL TWO ANCHORS THROUGH EACH CLIP AT EACH CLIP LOCATION SHOWN IN THE ELEVATIONS IN THIS DRAWING. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN FRAME OR CLIP AND SUBSTRATE. SHIMS SHALL BE LOAD-BEARING, NON-COMPRESSIBLE, AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO. ENSURE 2.5" MINIMUM SPACING BETWEEN ANY TWO CLIP INSTALLATION FASTENERS.

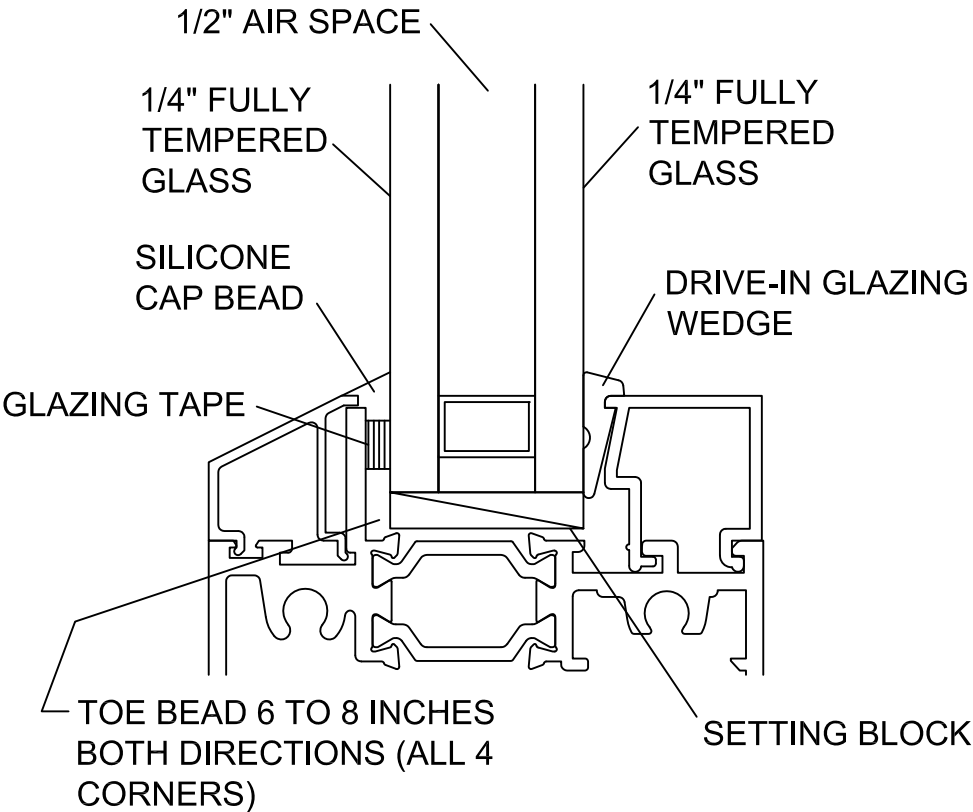
9. WOOD BUCKS LESS THAN 1 1/2" THICK ARE OPTIONAL AND MAY BE USED WITH CONCRETE/CMU, WITH ANCHOR EMBEDMENT BEYOND WOOD BUCKS AND INTO THE CONCRETE/CMU. WHEN WOOD BUCKS 1 1/2" THICK OR GREATER ARE USED, ANCHORAGE SHALL BE TO THE WOOD BUCKS USING ONE OF THE APPROVED METHODS IN THIS DRAWING FOR ATTACHMENT TO WOOD.

10. ALL HARDWARE AND FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.

11. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

INDEX OF DRAWING	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES, TYP. GLAZING DETAIL
2	DESIGN PRESSURE CHART, TYPICAL ELEVATION, INSTALLATION FASTENERS, SECTION DETAIL
3	TYPICAL INSTALLATION DETAILS
4	OPTIONAL PROFILES / FRAMING

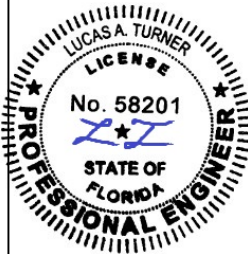
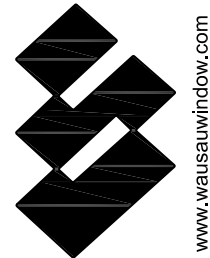
Lucas Turner
2024.02.29
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-06'00'



TYPICAL GLAZING DETAIL

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2/29/2024

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REV. 0
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SCALE: NTS

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INvent-Retro-Fixed

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FL46240.2

SHT. 1 of 4

TYPICAL INSTALLATION FASTENERS:

1/4" DIA. ULTRACON+ COATED STEEL BY DEWALT

INTO 2X WOOD BUCKS OR WOOD STRUCTURES (G=0.55 MIN.):
1 1/2" MIN. PENETRATION INTO WOOD.

THRU 1X BUCKS INTO CONC. OR MASONRY, OR
DIRECTLY INTO CONC. OR MASONRY:
1 3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
1 1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

CONCRETE/MASONRY SUBSTRATES MUST NOT BE CRACKED.
CONCRETE AT HEAD OR JAMBS $f_c = 3050$ PSI MIN.
MASONRY/BLOCK AT JAMBS NORMAL WEIGHT PER ASTM C-90

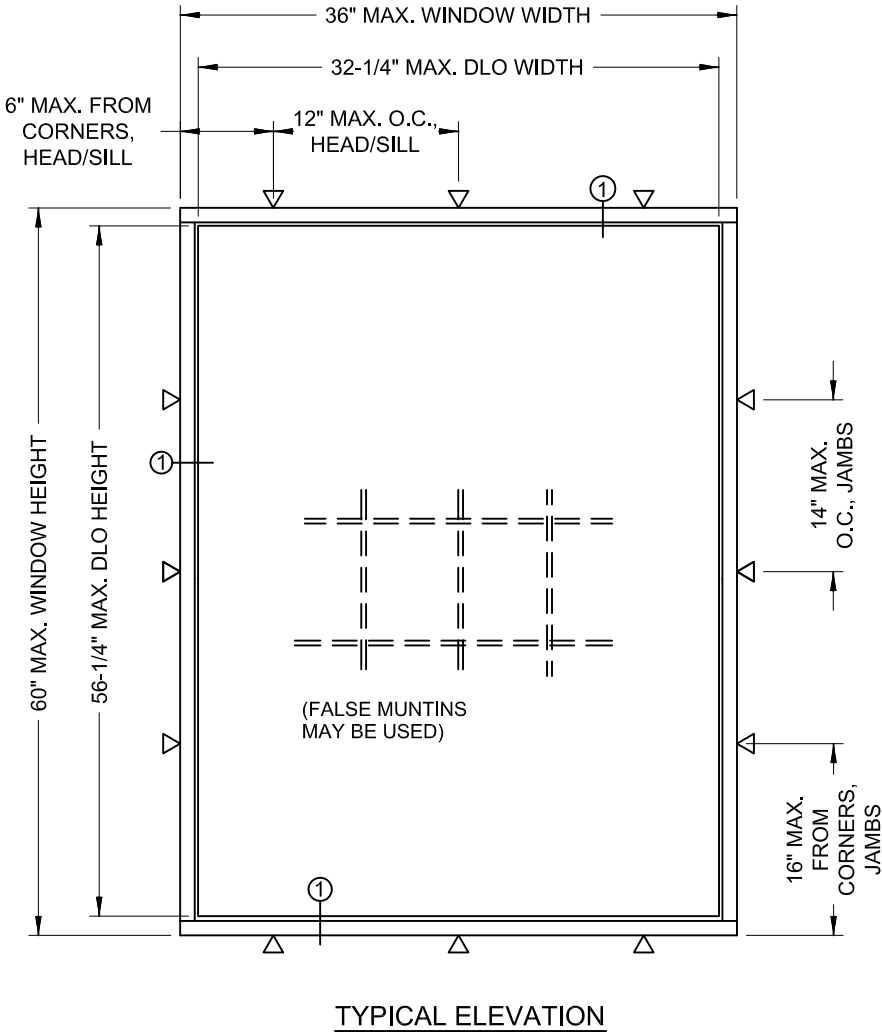
1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES OR MULLIONS PER SEPARATE APPROVAL
STEEL: 12 GA. MIN. ($F_y=36$ KSI MIN.)
ALUMINUM: 1/8" THICK MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCES:

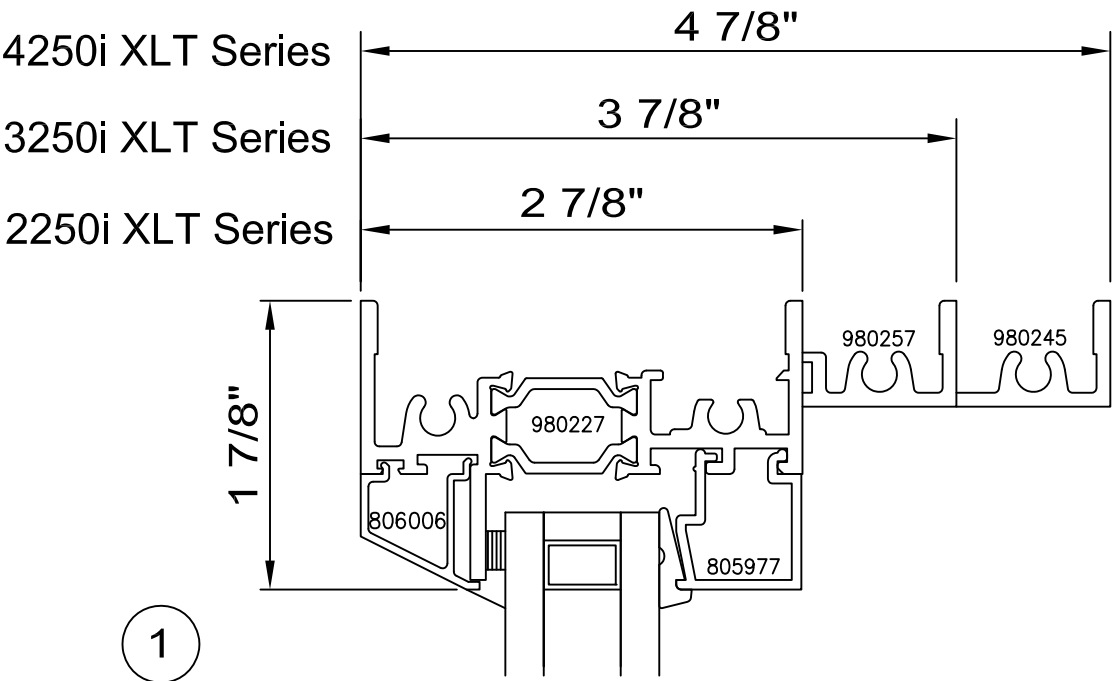
INTO CONCRETE AND MASONRY = 1 1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

OPENING SUBSTRATE STRUCTURES NOT BY WAUSAU
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

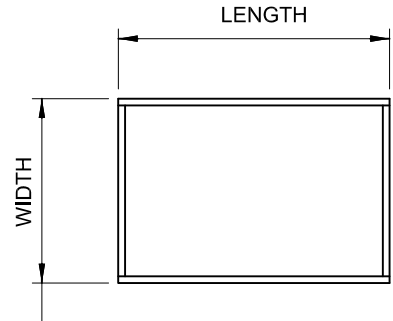


TYPICAL ELEVATION

△ INDICATES INSTALLATION THRU
SLIDE IN ANCHORS AT FRAMES
(SEE DETAILS SHEET 3)



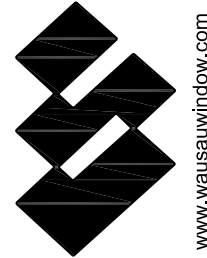
FIXED WINDOW DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		NON-IMPACT INSUL. GLASS	
WIDTH	LENGTH	EXT. (+)	INT. (-)
24"	48"	100.0	140.0
27"		100.0	129.9
30"		100.0	120.0
33"		100.0	109.1
36"		100.0	100.0
39"		92.3	92.3
42"		85.7	85.7
45"		80.0	80.0
24"	54"	100.0	135.0
27"		100.0	124.4
30"		100.0	116.3
33"		100.0	109.1
36"		100.0	100.0
39"		92.3	92.3
24"	60"	100.0	131.3
27"		100.0	120.4
30"		100.0	112.0
33"		100.0	105.3
36"		100.0	100.0
24"	66"	100.0	128.3
27"		100.0	117.3
30"		100.0	108.7
24"	72"	100.0	126.0
27"		100.0	114.9
30"		100.0	106.1
24"	78"	100.0	124.1
27"		100.0	112.9
24"	84"	100.0	122.5



WIDTH AND LENGTH DIMENSIONS MAY
REPRESENT WIDTH OR HEIGHT; WIDTH AND
HEIGHT OF PRODUCT MAY BE TRANSPOSED.

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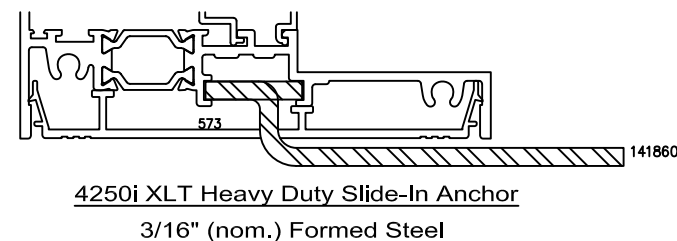
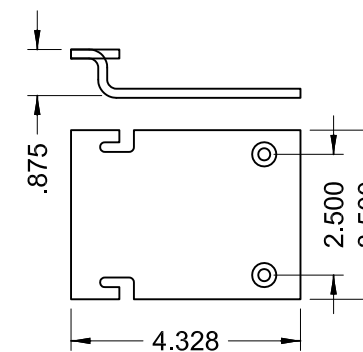
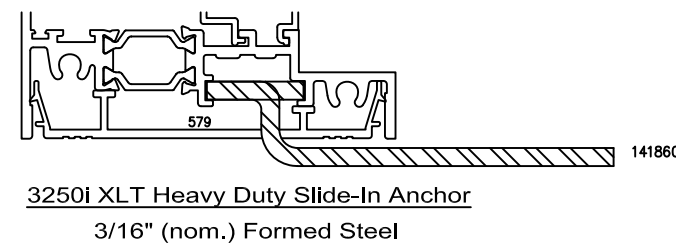
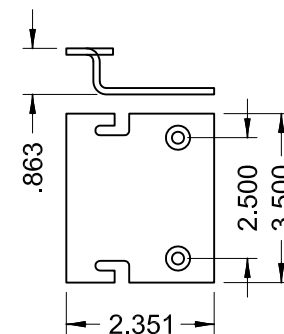
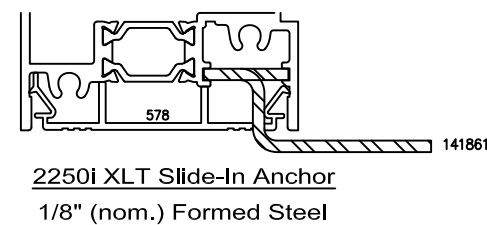
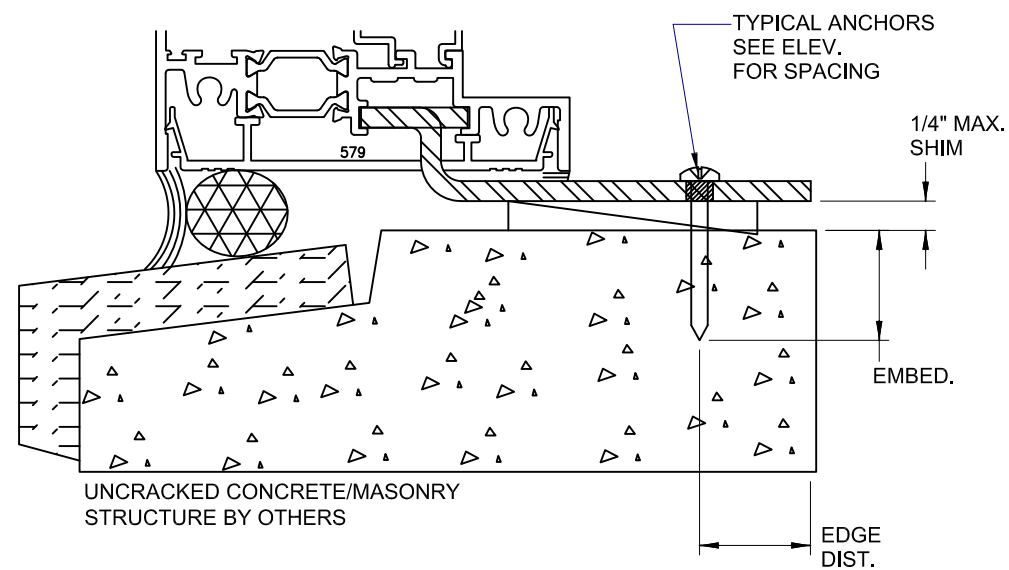
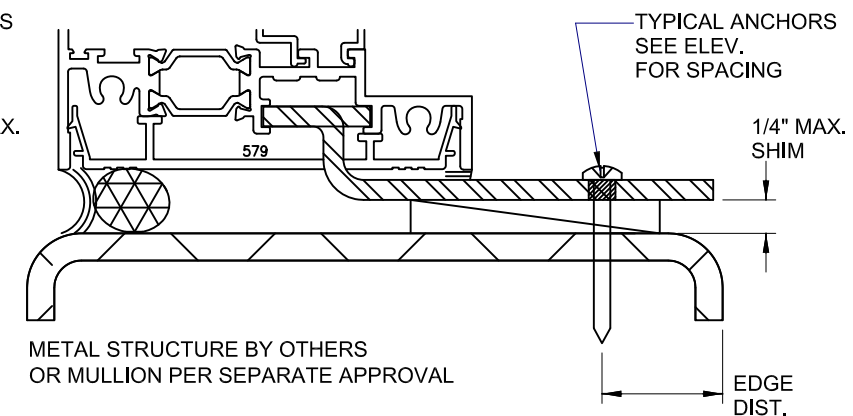
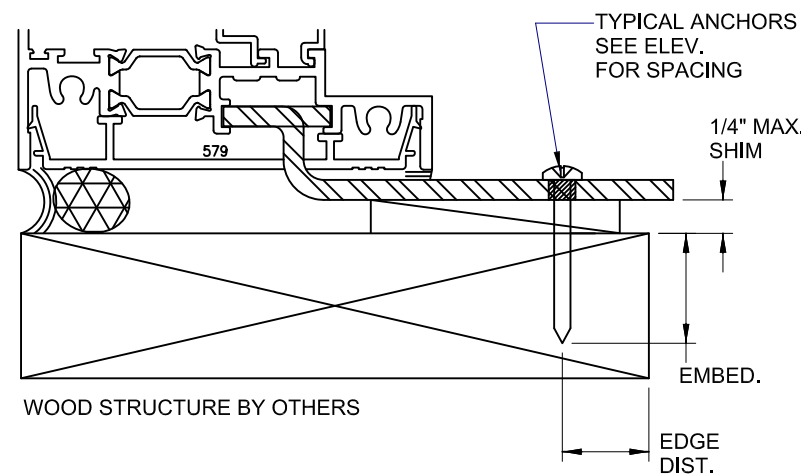
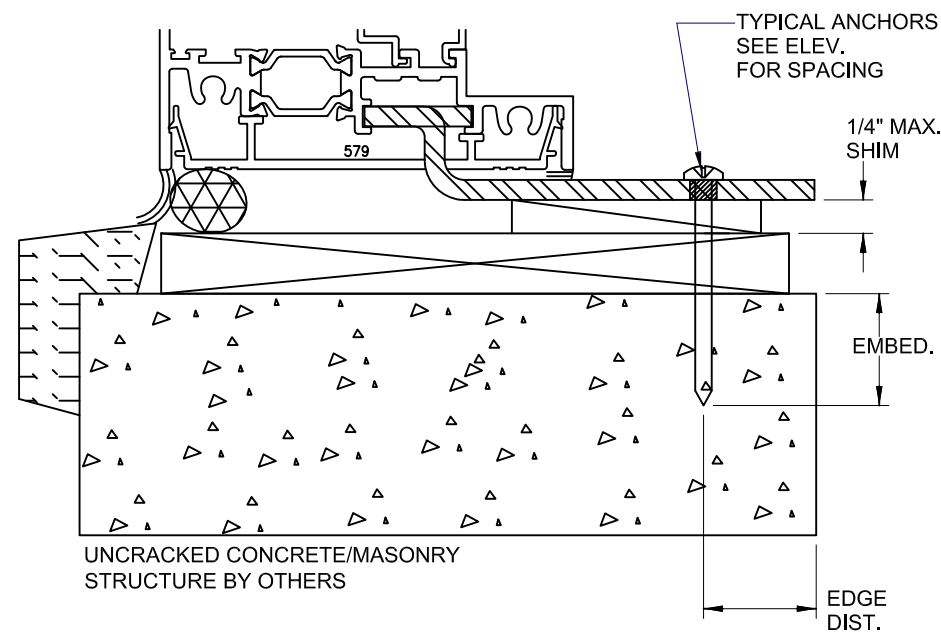
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SCALE: NTS

DWG.
INvent-Retro-Fixed

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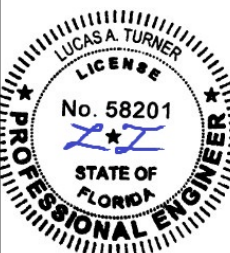
SHT. 2 of 4



Typical Installation Details

NOTES:

- 1) SEE SHEET 2 FOR INSTALLATION ANCHOR DETAILS.
- 2) SILLS SHOWN IN DETAILS; INSTALLATION IS APPLICABLE TO HEAD, SILL, AND JAMB.
- 3) 3250i XLT SHOWN IN DETAILS; INSTALLATION IS ALSO APPLICABLE TO 2250i XLT AND 4250i XLT WITH SLIDE-IN ANCHORS AS INDICATED ON THIS SHEET



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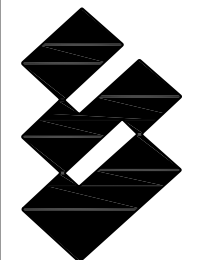
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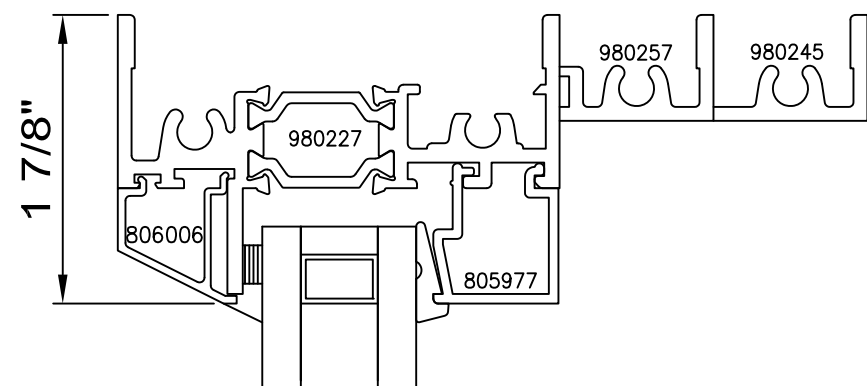
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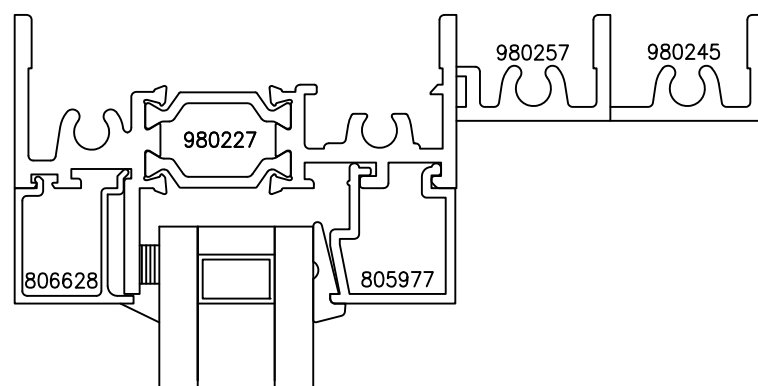


www.wausauwindow.com

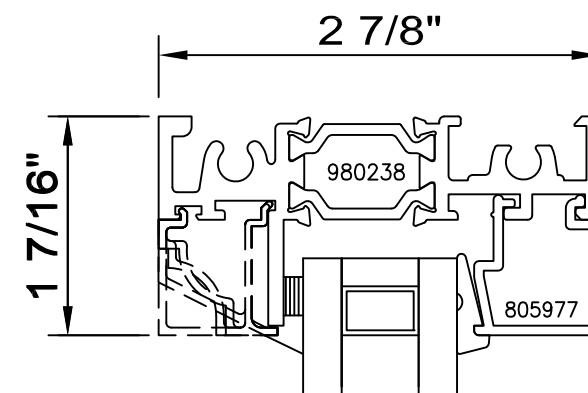
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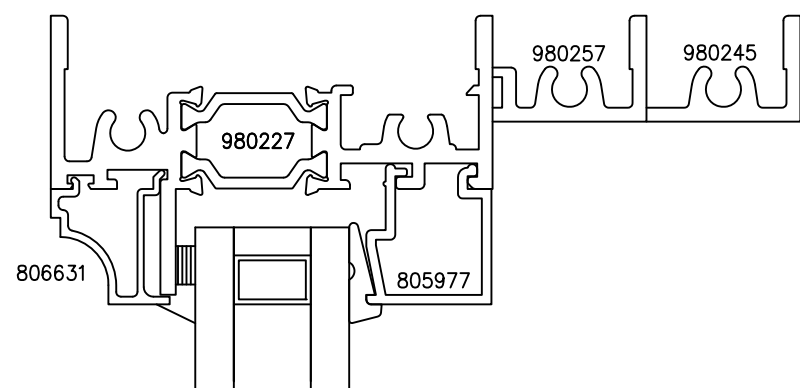
BEVEL



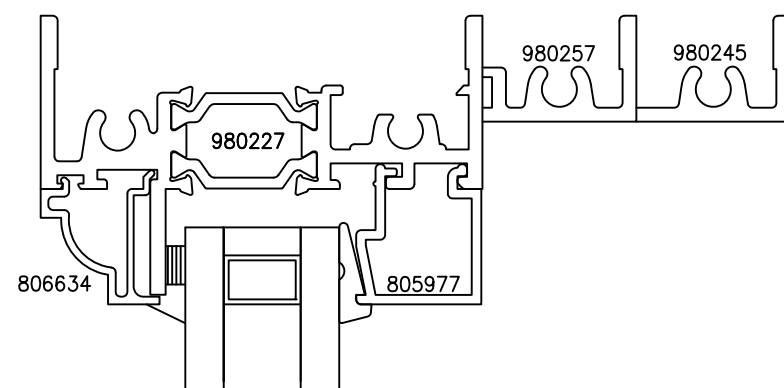
SQUARE



Optional Max. DLO Frame

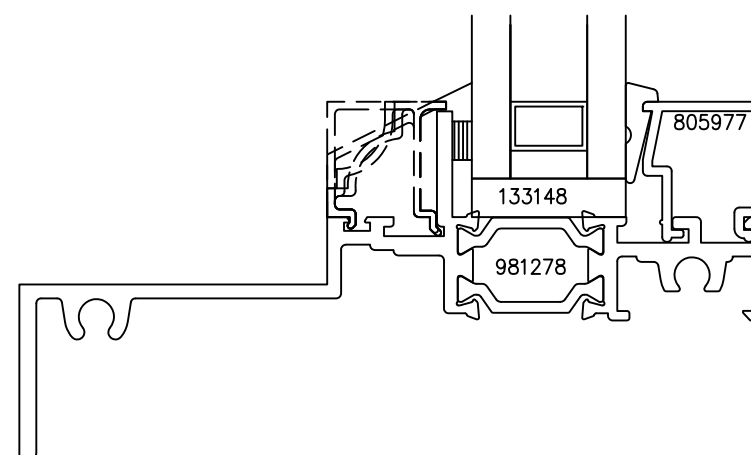


COVE

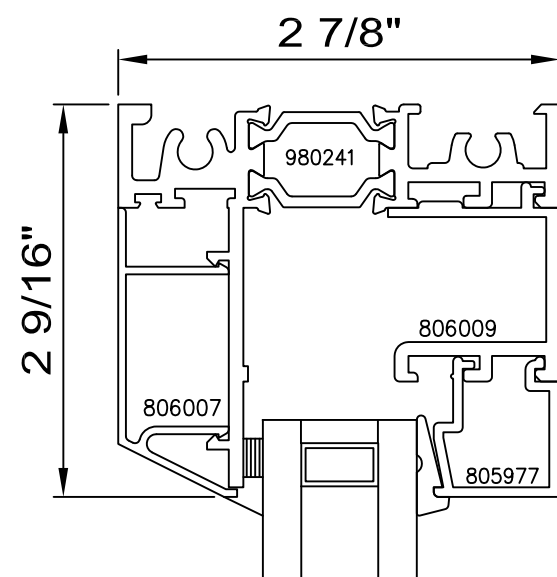


OGEE

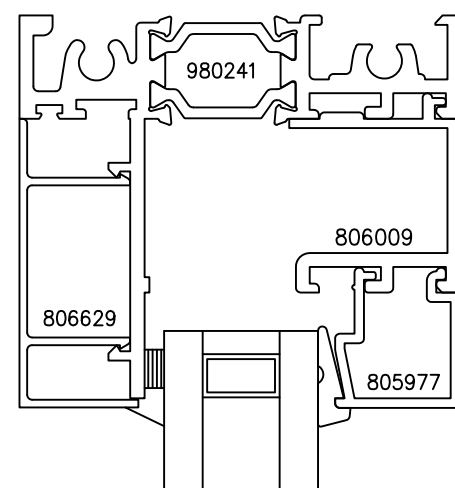
Optional Bead Profiles



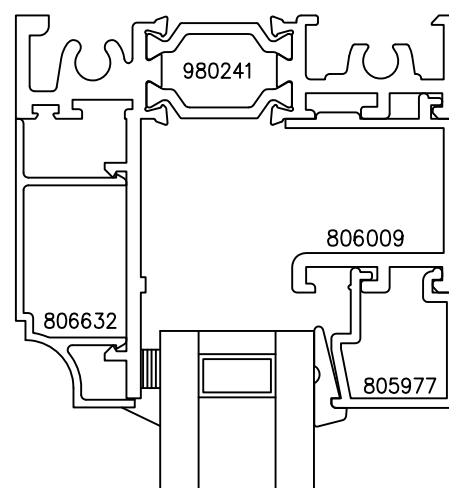
Optional SDH Frame



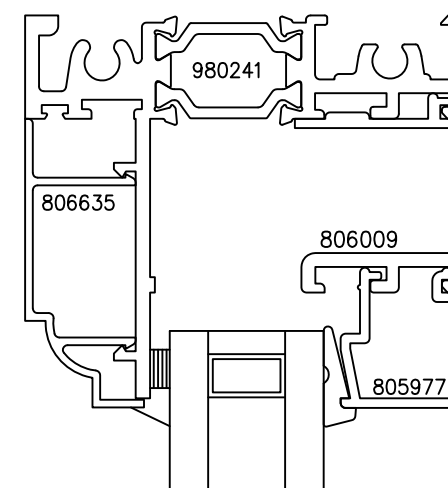
BEVEL



SQUARE



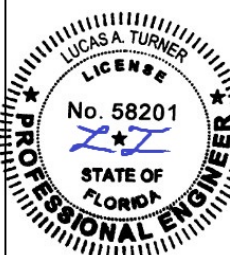
COVE



OGEE

Optional Matching Sightline Profiles

ALL FRAME/VENT MEMBERS ARE ALUM. 6063-T6



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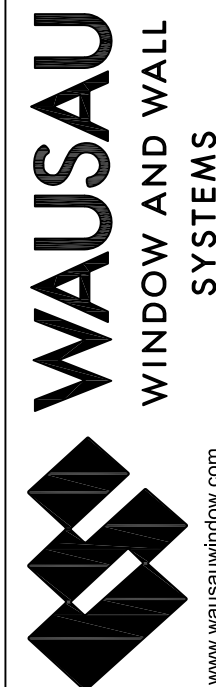
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