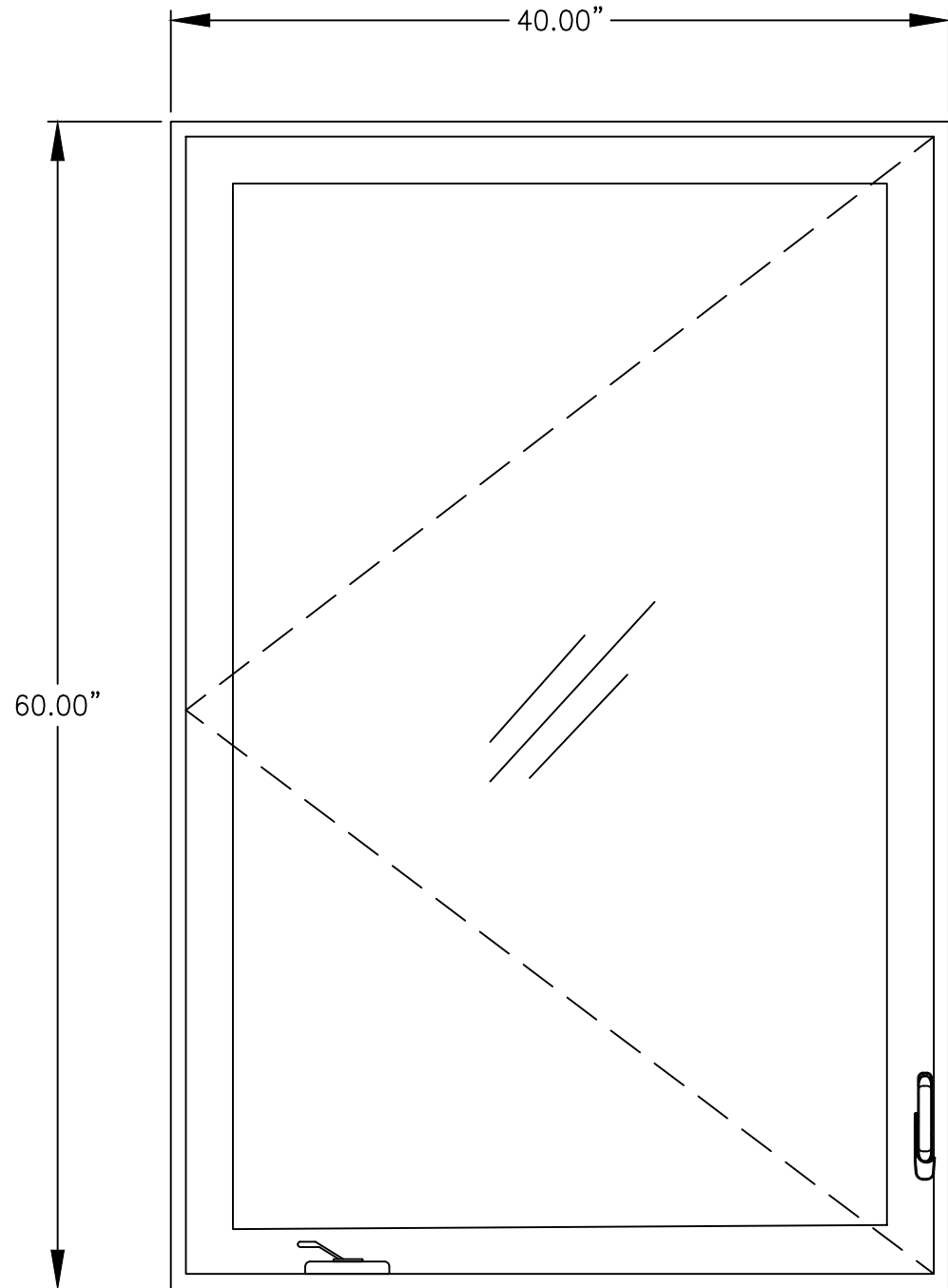


NOTES:

- Products and installations depicted satisfy the requirements of the Florida Building Code, Building 8th Edition (2023) for design wind pressures and overall sizes noted.
- Wood bucks, wood framing, steel stud framing, concrete and concrete masonry are by others and shall be designed by the architect or engineer of record to resist the loads imparted to them.
- Wood buck strips and wood frames are assumed Southern Yellow Pine (G=0.55) or denser. Buck width shall be greater than the frame width. Tapered or partial width buck strips are not allowed.
- Concrete masonry installations are assumed at least ASTM C90 normal weight hollow masonry units with a 1-1/4" wall thickness or normal weight concrete with a minimum compressive strength of f'c = 3,000 psi.
- Metal stud frames are assumed to be a minimum 18 gauge 33 KSI steel.
- Wood screws shall be corrosion resistant and meet the requirements of ANSI/ASME B18.6.1
- Tapcon masonry anchors shall have a minimum embedment of 1-1/2" or full penetration of concrete masonry unit shell. They shall also have a minimum of 2" edge distance. Install concrete masonry anchors per manufacturer's installation instructions.
- TEKS screws shall be corrosion resistant and shall be ASTM A510 Grade 1018 or equivalent.
- Maximum permitted shim thickness is 1/2". Shims shall be non-compressible and load bearing type. Every through-frame fastener shall have a shim.
- Short term load duration factors have not been used for evaluation of aluminum and steel components. Load duration factor C_D = 1.6 utilized for connections to wood.
- Products are impact resistant and do not require approved protection devices if used in wind-borne debris regions.
- Approved for use in High Velocity Hurricane Zone (HVHZ).

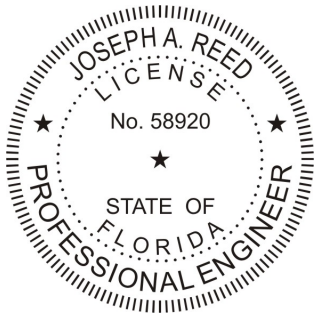
CONTENTS:

Sheet 1	Notes and Elevations
Sheet 2	Anchorage Plans
Sheets 3-5	Through Frame Installations
Sheet 6	Strap Anchor Installations
Sheet 7	Nail Fin Installations
Sheet 8	Glazing Details
Sheet 9	Sections and Bill of Materials
Sheet 10	Components



3010i A4 OUTSWING CASEMENT WINDOW (IMPACT)
MAXIMUM SIZE: 40" WIDE X 60" TALL
MAXIMUM GLAZING SIZE: 33-3/4" WIDE X 53-3/4" TALL
DESIGN PRESSURE: +/-70 PSF
LARGE MISSILE IMPACT RESISTANT

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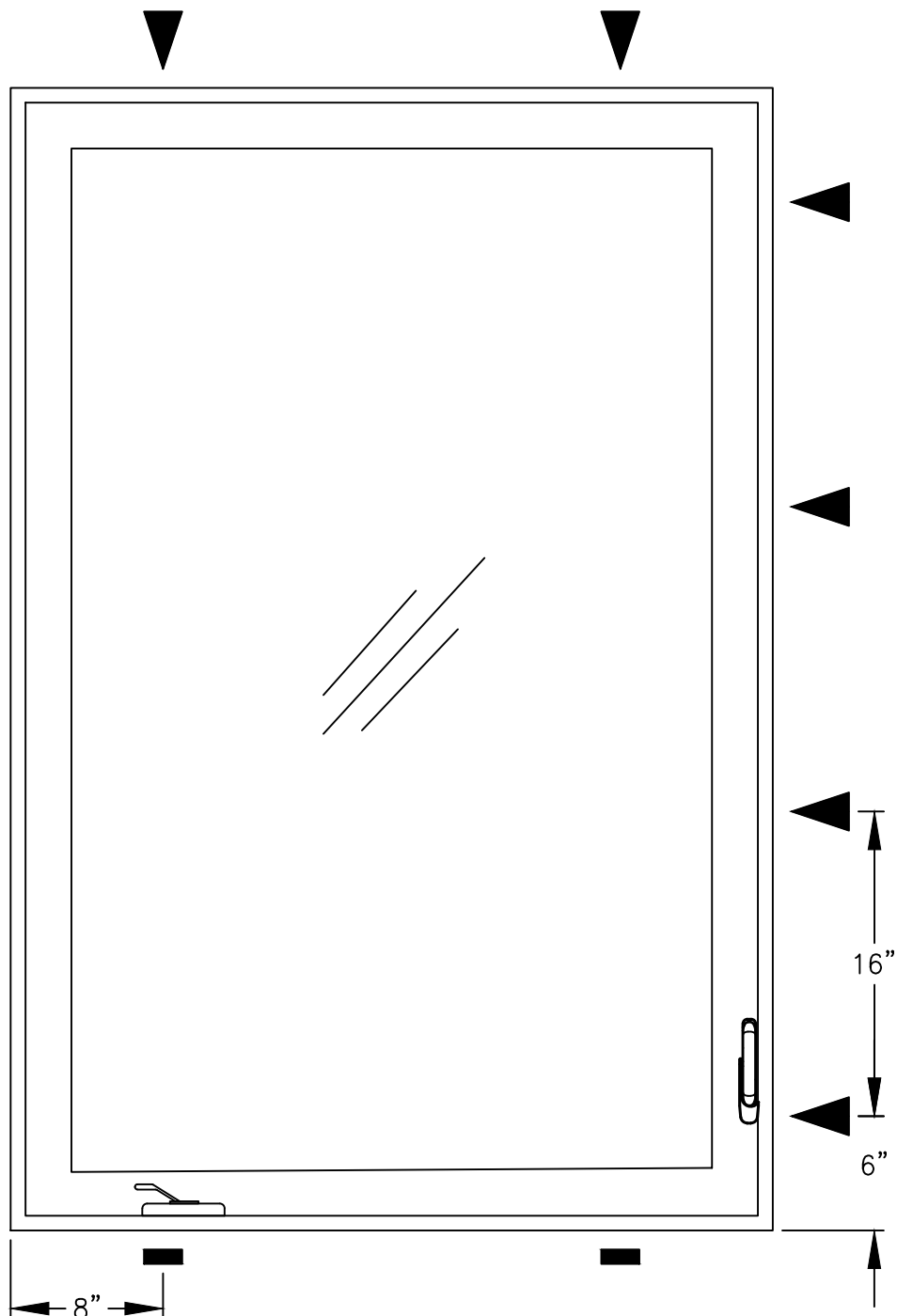


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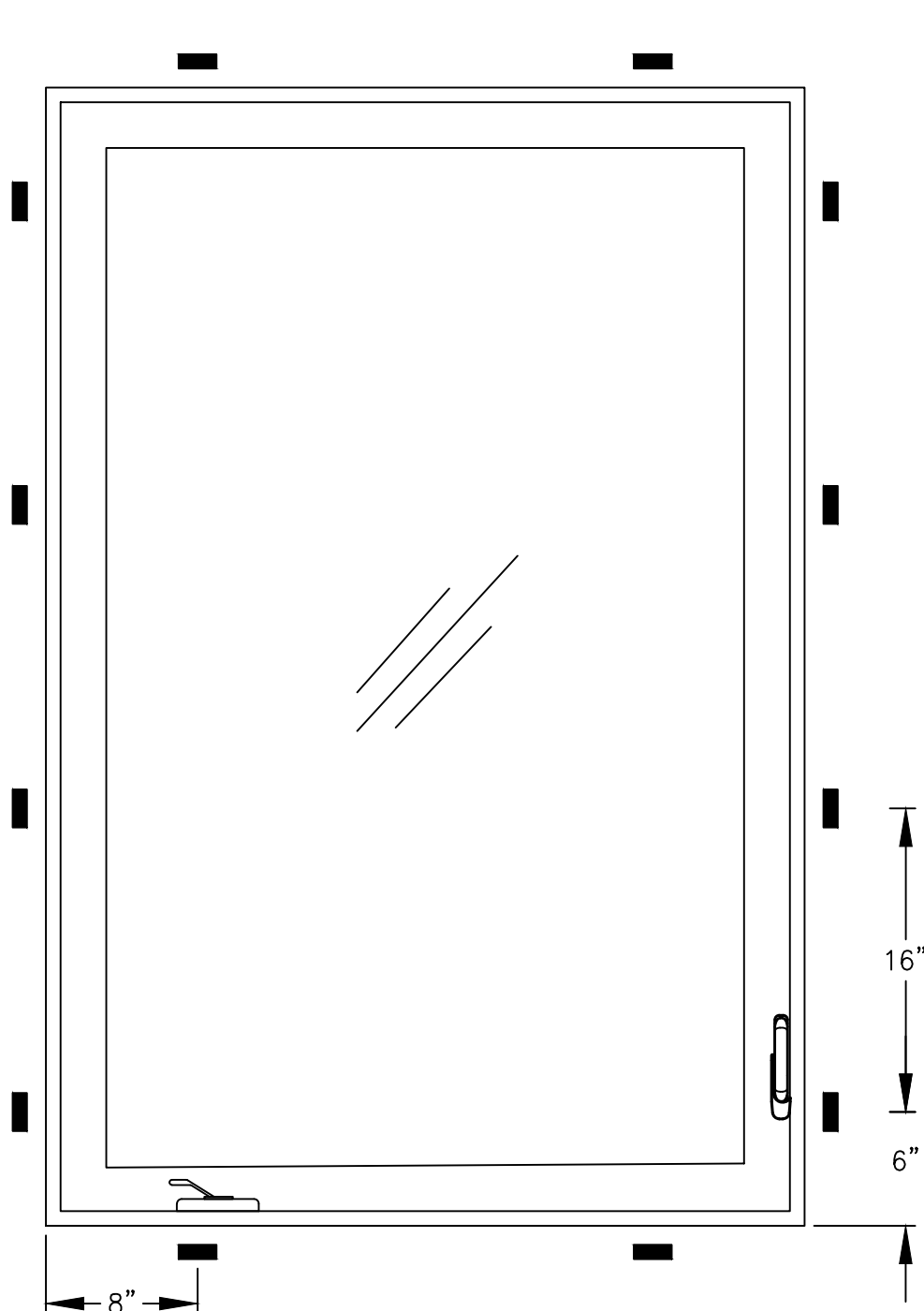
3010i A4 Casement - Impact
Notes and Elevations

St. Cloud Window
390 Industrial Boulevard
Sauk Rapids, MN 56379

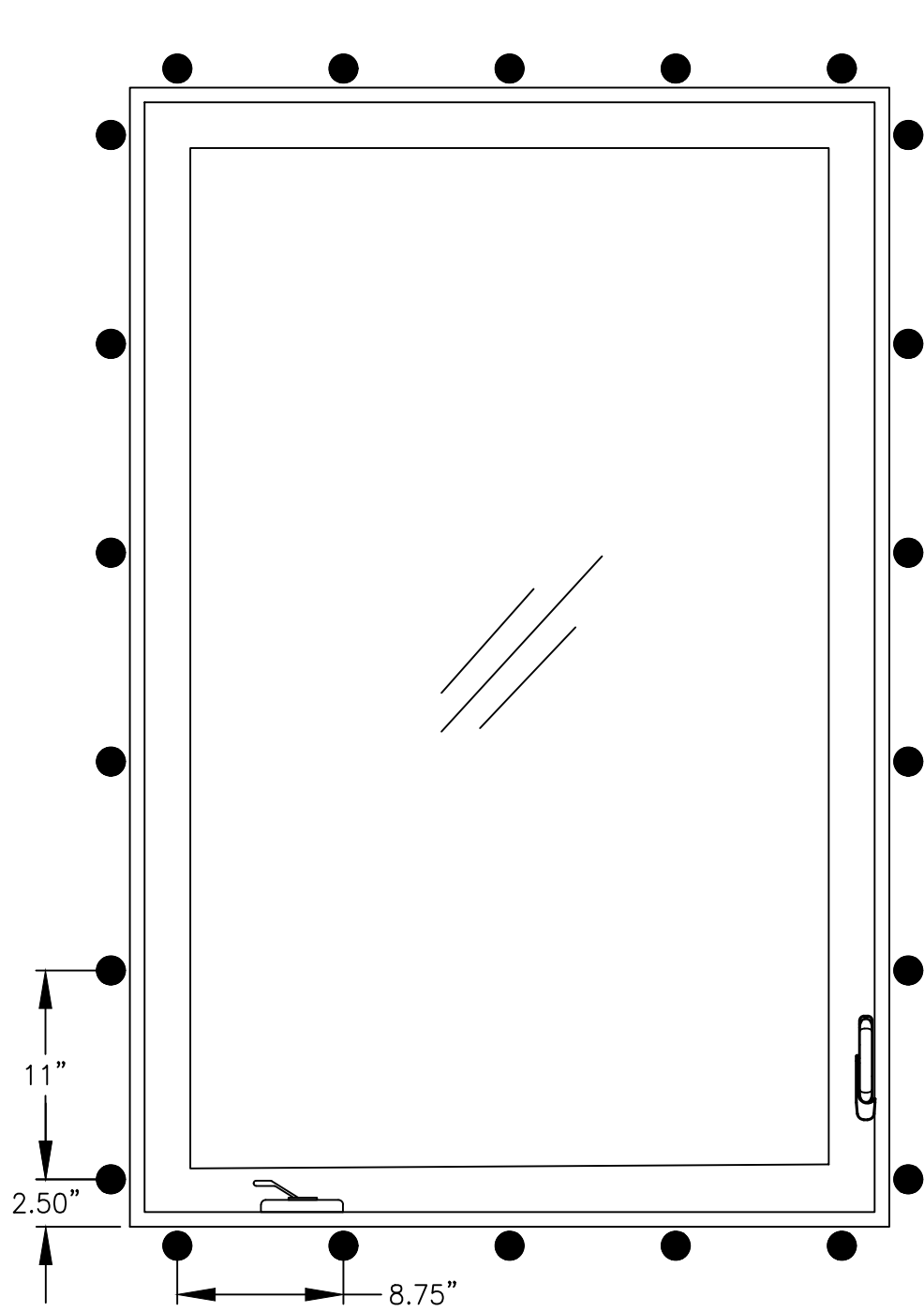
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Project No.: R5120.01-122-34
Drawn By: JAR Rev: 1 Date: 11/21/24



THROUGH FRAME INSTALL
(SEE SHEETS 3–5)



STRAP ANCHOR INSTALL
(SEE SHEET 6)

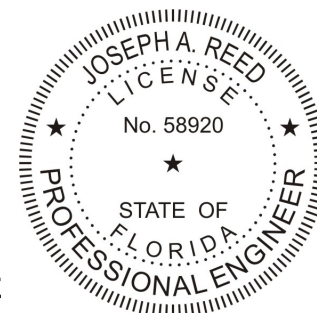


NAIL FIN INSTALL
(SEE SHEET 7)

- ▲ THROUGH FRAME ANCHOR
- STRAP ANCHOR
- NAIL FIN ANCHOR

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3010i A4 Casement - Impact Anchorage Plans

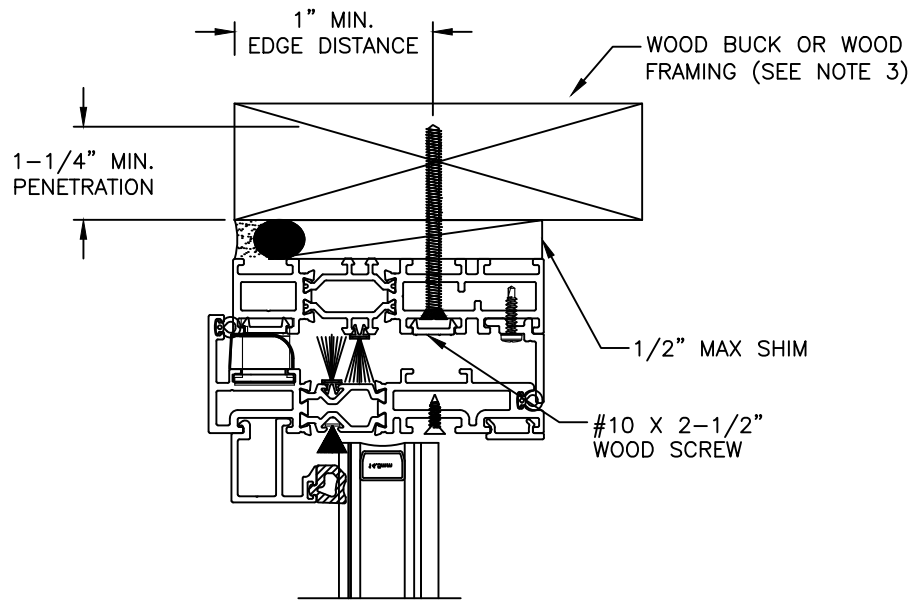
St. Cloud Window
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Sauk Rapids, MN 56379

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Project No.: R5120.01-122-34
Drawn By: JAR Rev: 1 Date: 11/21/24

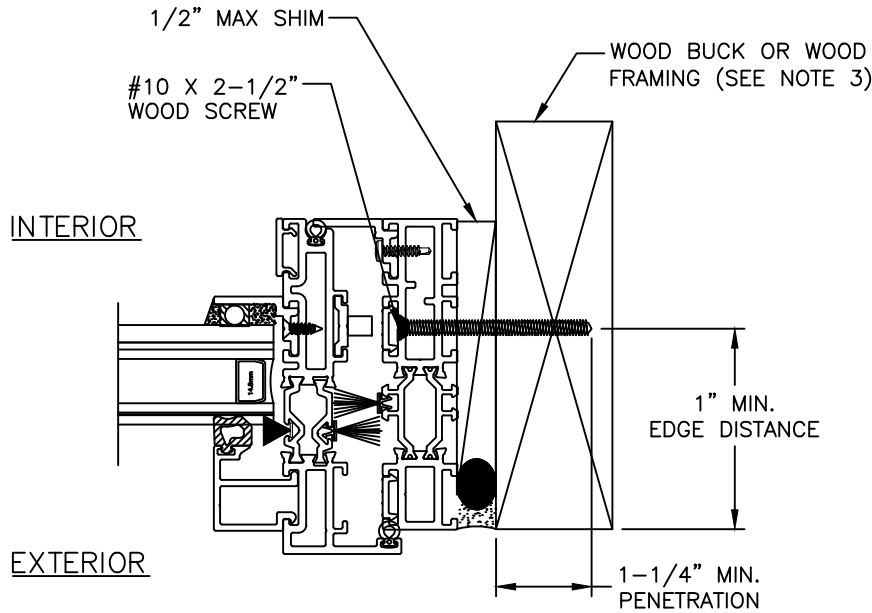
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Sheet 2 of 10

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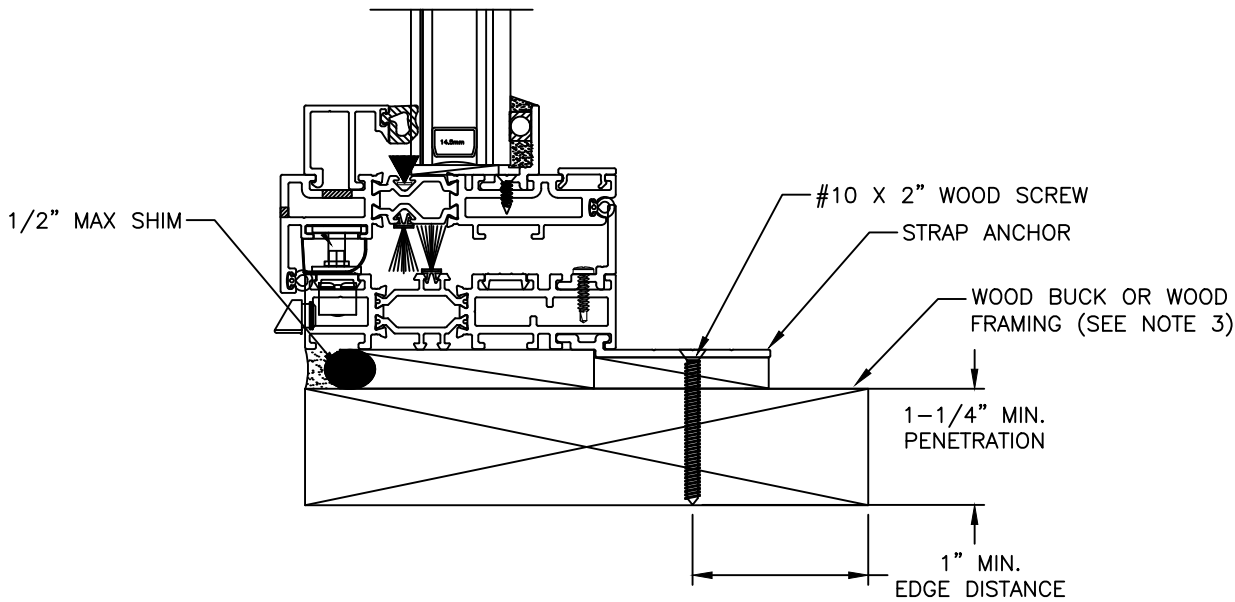


JAMB



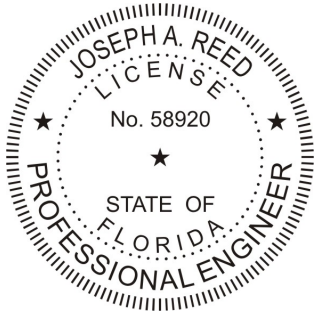
EXTERIOR

INTERIOR



SILL

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3010i A4 Casement - Impact
Through Frame Installations
Wood

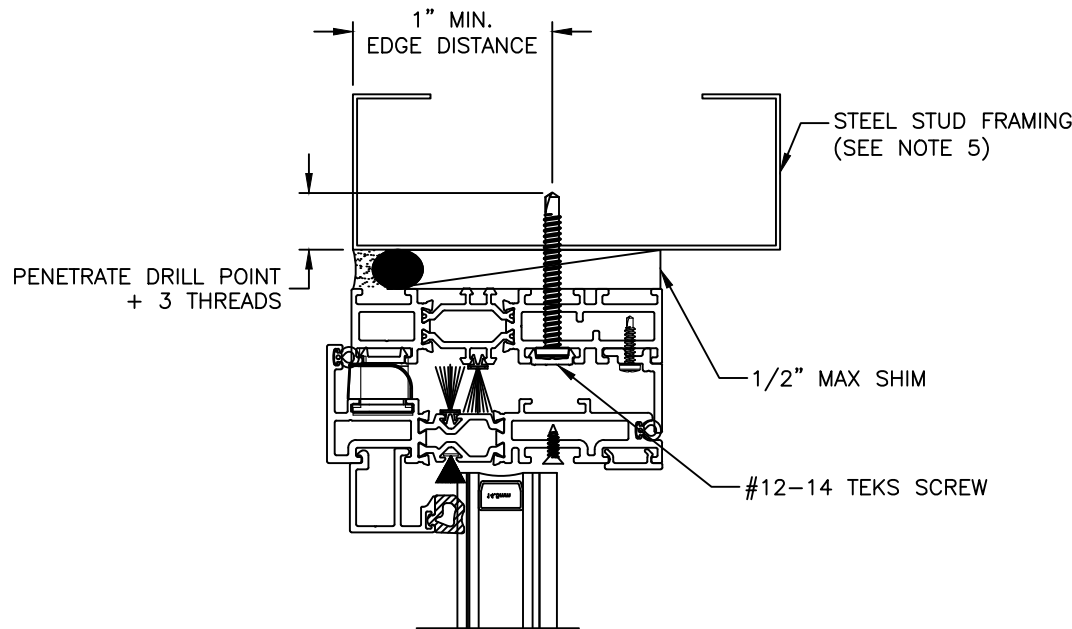
St. Cloud Window
390 Industrial Boulevard
Sauk Rapids, MN 56379

Drawing No.: R5120-1001
Project No.: R5120.01-122-34
Drawn By: JAR Rev: 1 Date: 11/21/24

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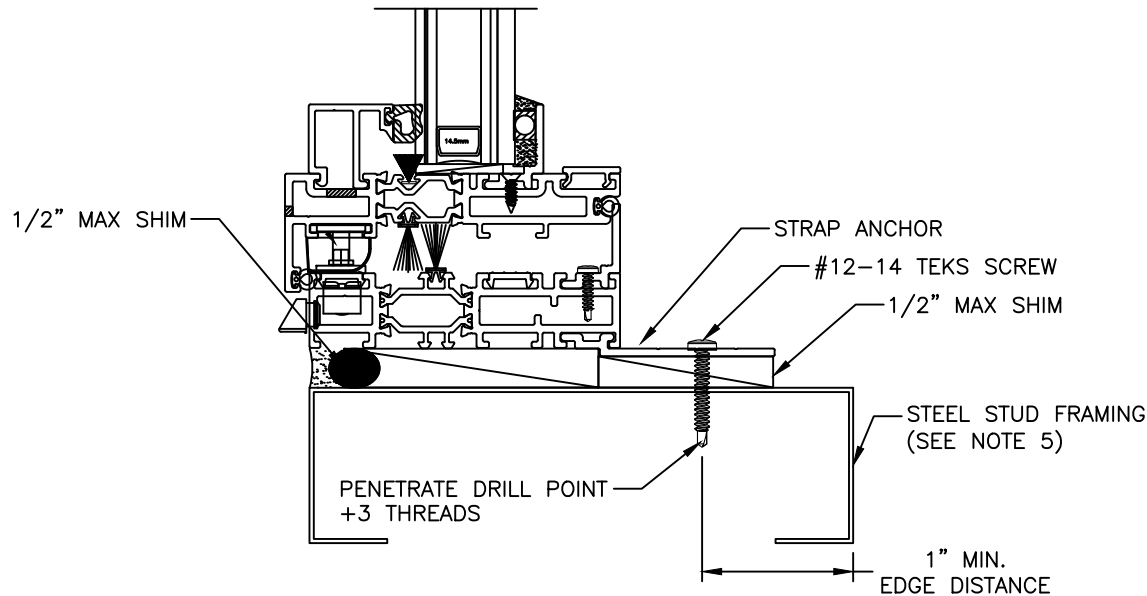
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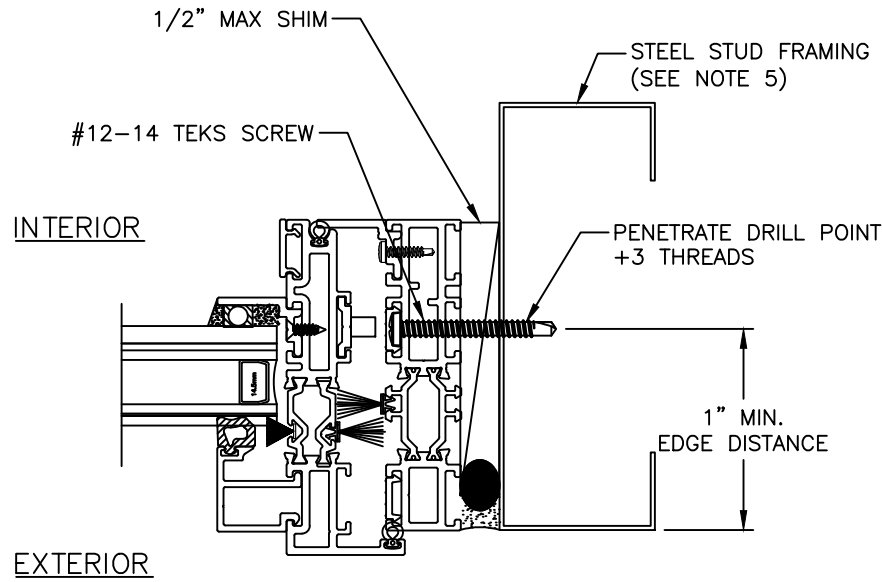
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INTERIOR



SILL

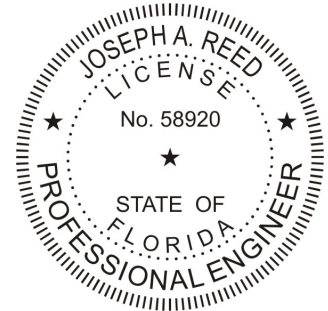
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INTERIOR

EXTERIOR

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3010i A4 Casement - Impact
Through Frame Installations
Steel Stud

St. Cloud Window
390 Industrial Boulevard
Sauk Rapids, MN 56379

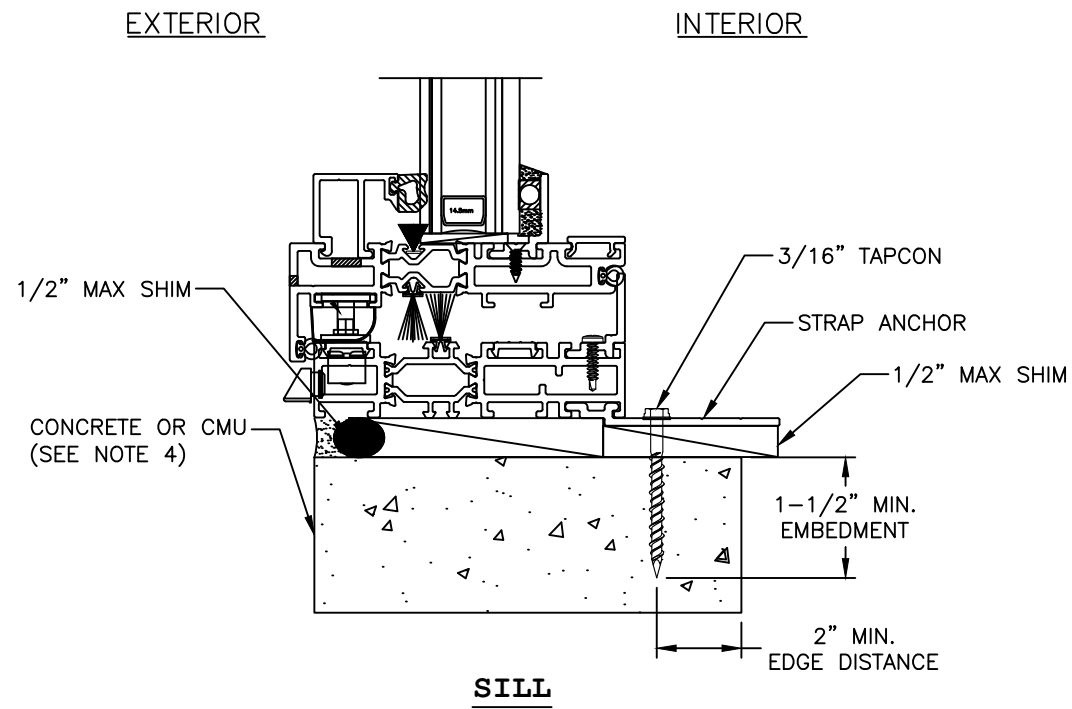
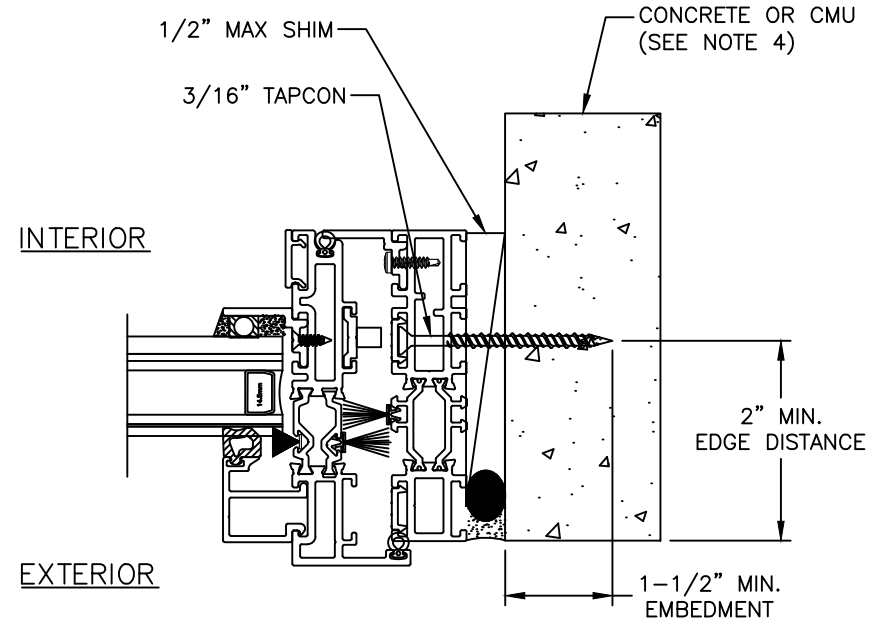
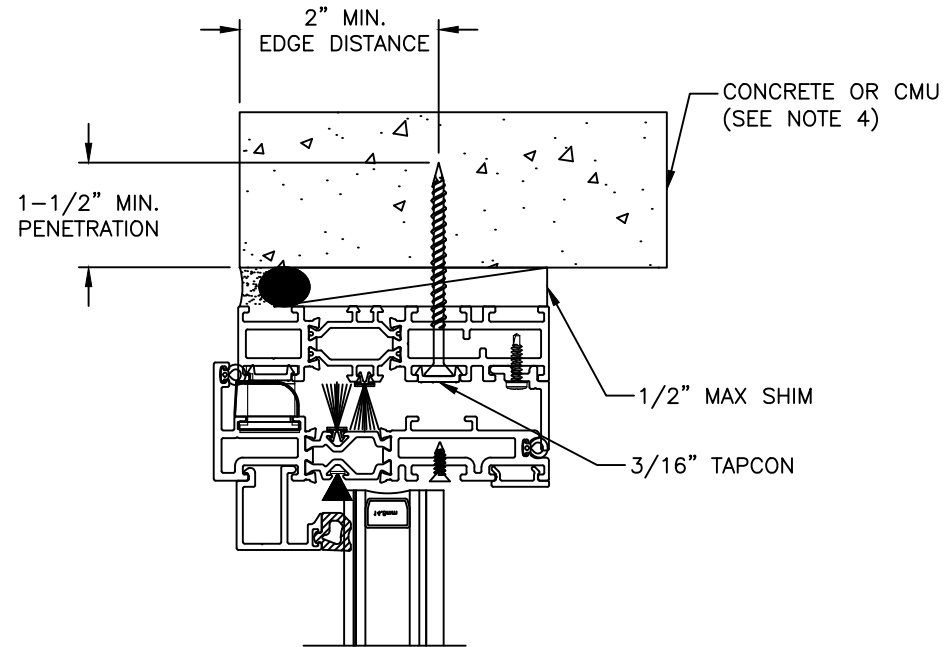
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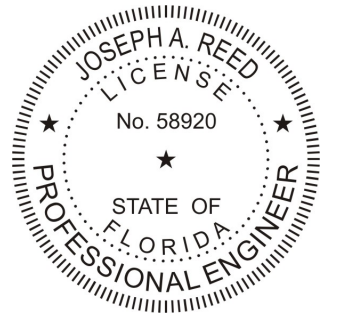
Sheet 4 of 10

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3010i A4 Casement - Impact
Through Frame Installations
Concrete or CMU

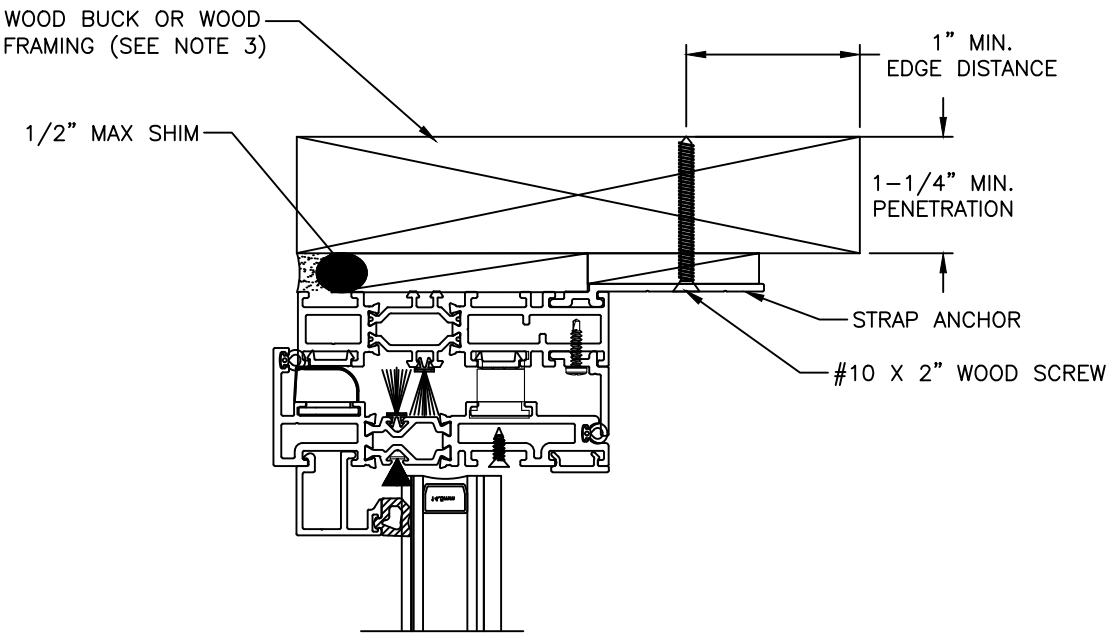
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Sauk Rapids, MN 56379

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Project No.: R5120.01-122-34
Drawn By: JAR Rev: 1 Date: 11/21/24

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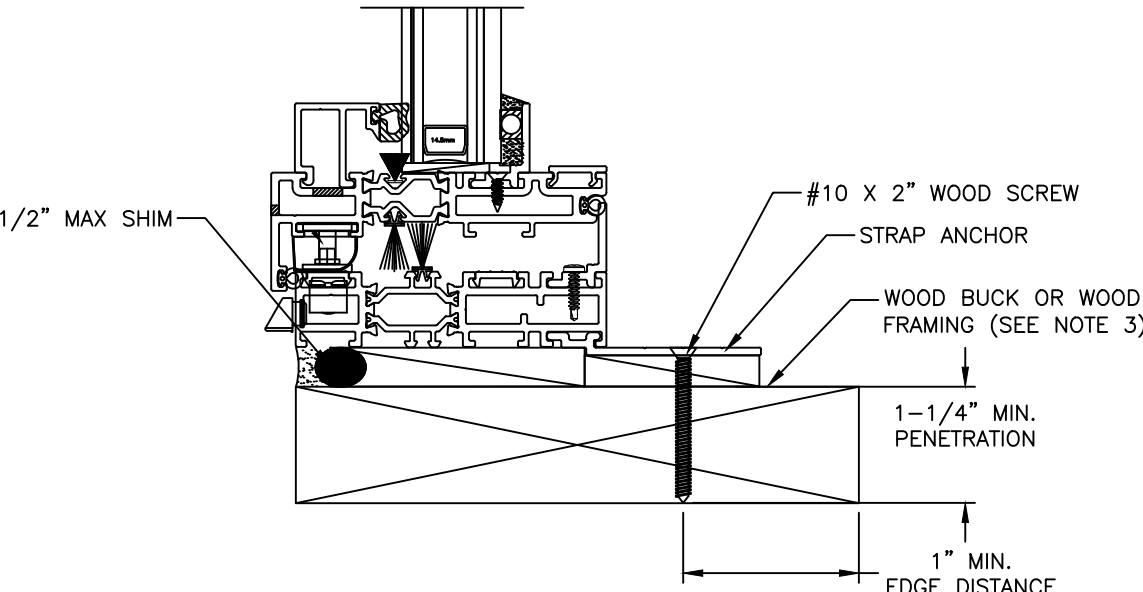
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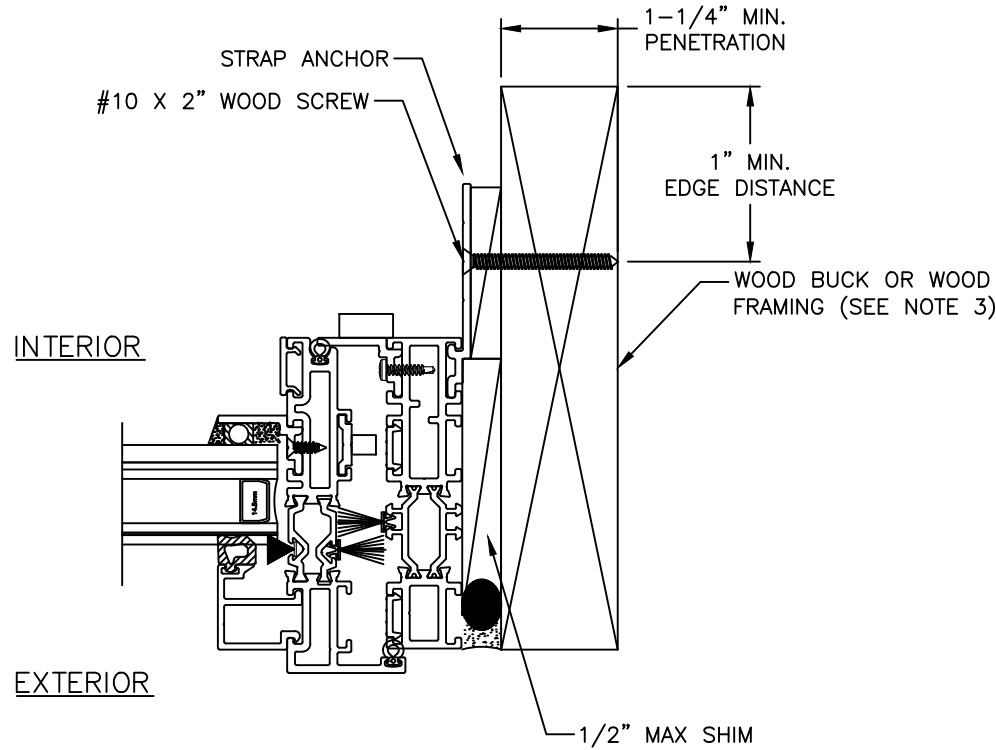
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INTERIOR

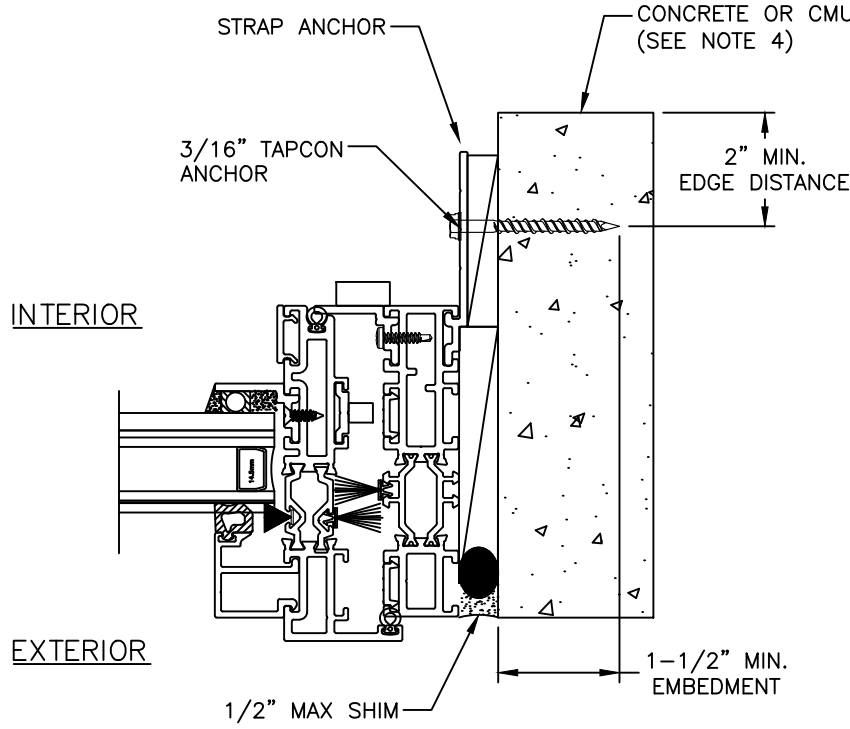


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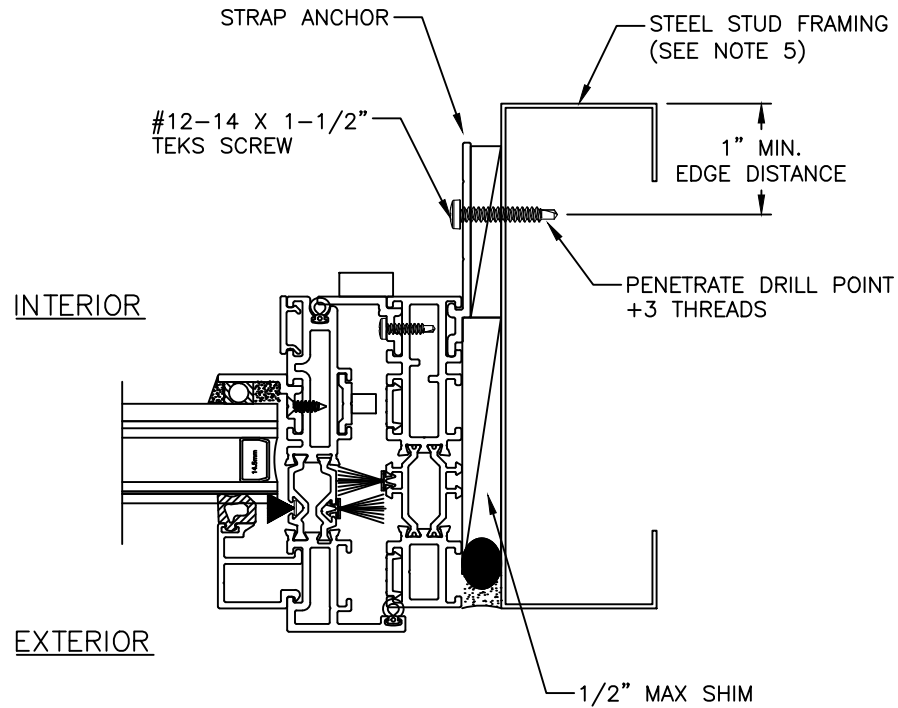
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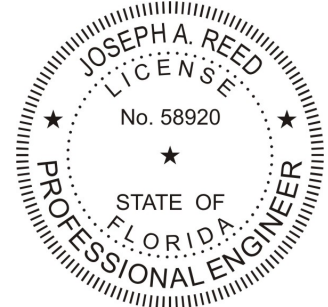
**JAMB AT CONCRETE OR CMU
(HEAD AND SILL SIMILAR)**



**JAMB AT STEEL STUD
(HEAD AND SILL SIMILAR)**



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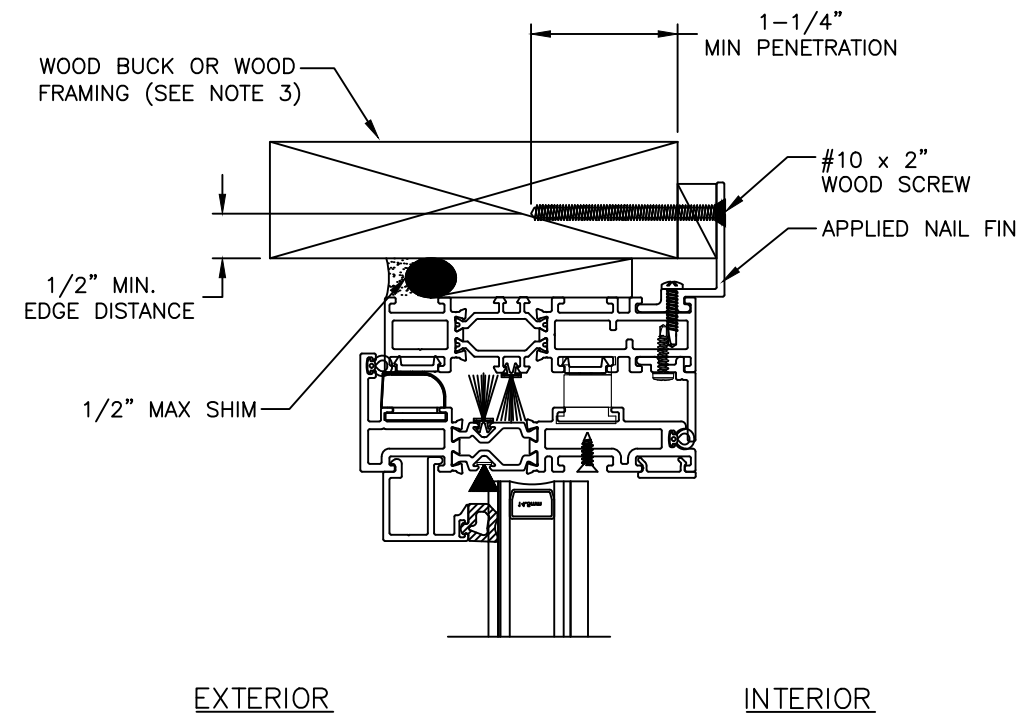
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**3010i A4 Casement - Impact
Strap Anchor Installations**

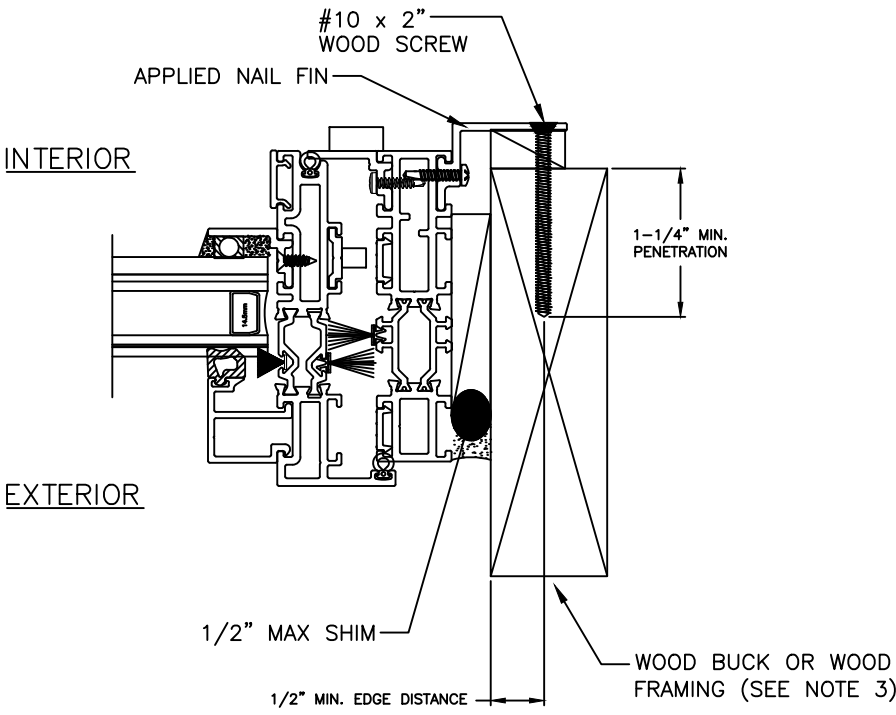
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Sauk Rapids, MN 56379

Drawing No.: R5120-1001
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Drawn By: JAR Rev: 1 Date: 11/21/24

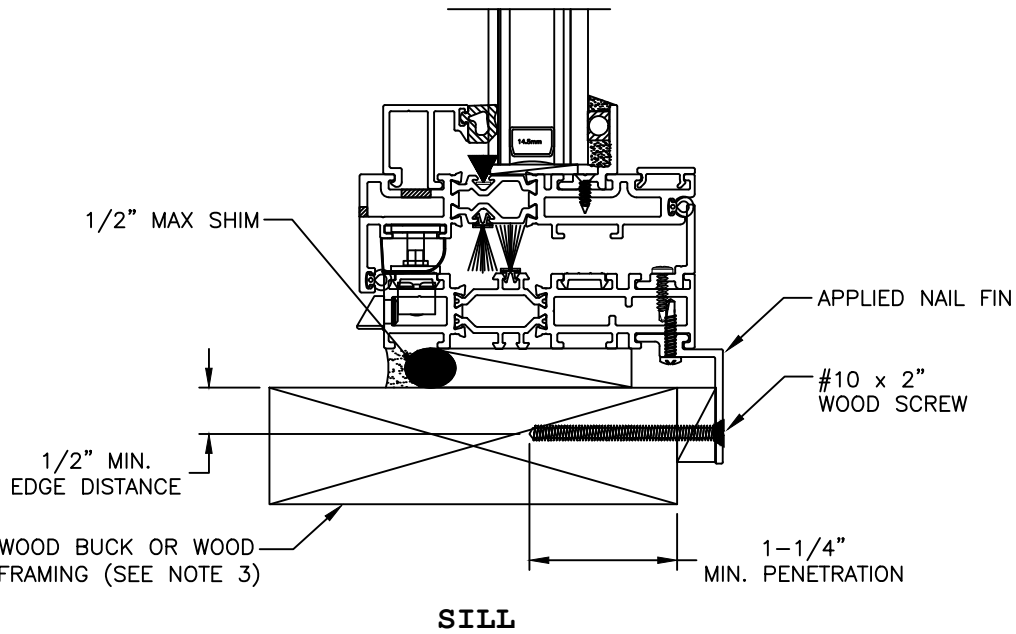
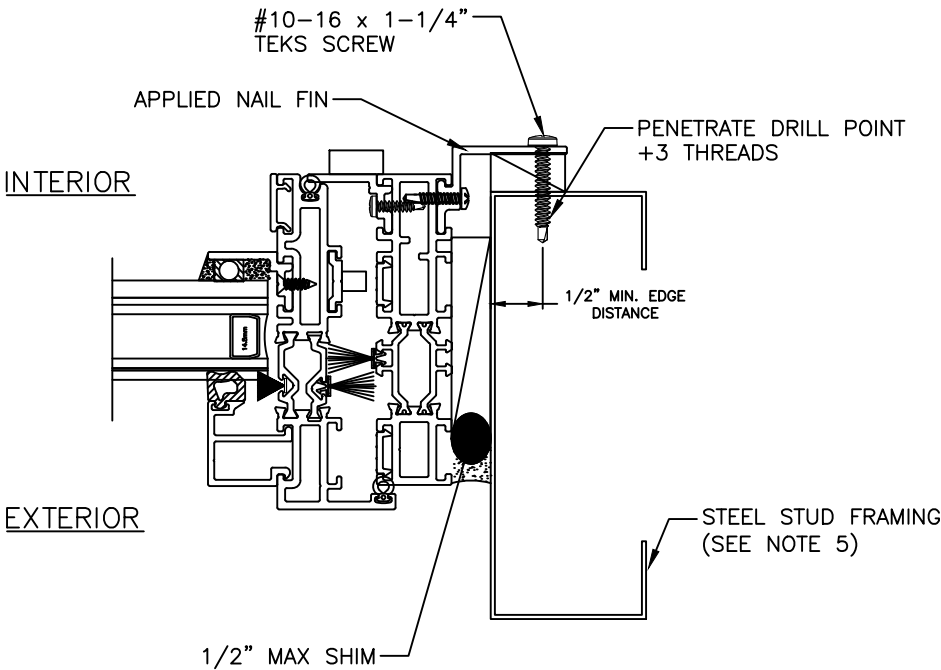
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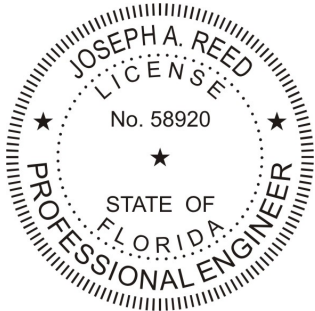
JAMB



**JAMB AT STEEL STUD
(HEAD AND SILL SIMILAR)**



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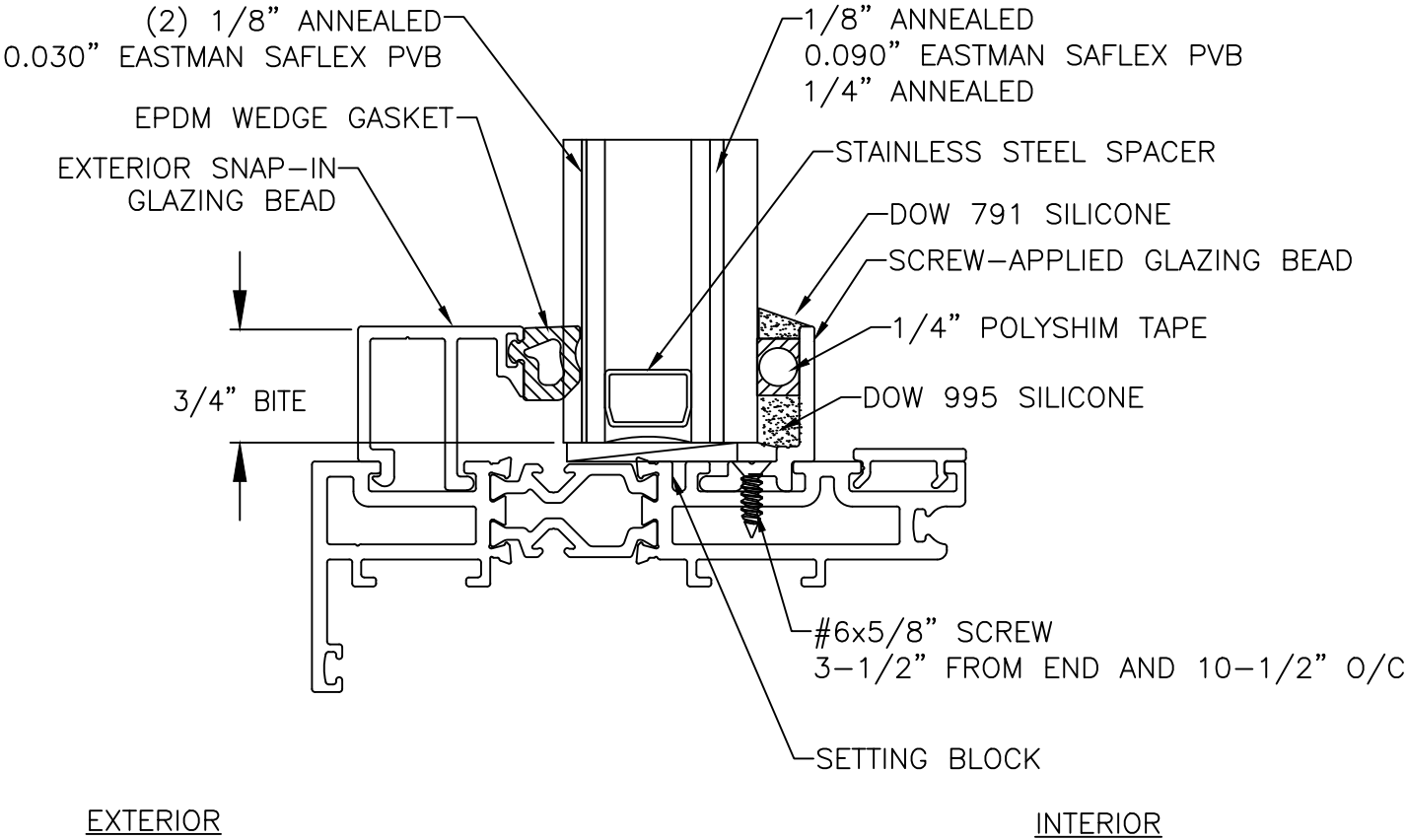
3010i A4 Casement - Impact
Nail Fin Installations

St. Cloud Window
390 Industrial Boulevard
Sauk Rapids, MN 56379

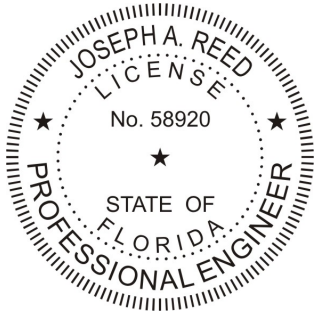
Drawing No.: R5120-1001
Project No.: R5120.01-122-34
Drawn By: JAR Rev: 1 Date: 11/21/24

Scale: NTS Sheet 7 of 10

GLAZING DETAIL
1-1/4" INSULATING GLASS



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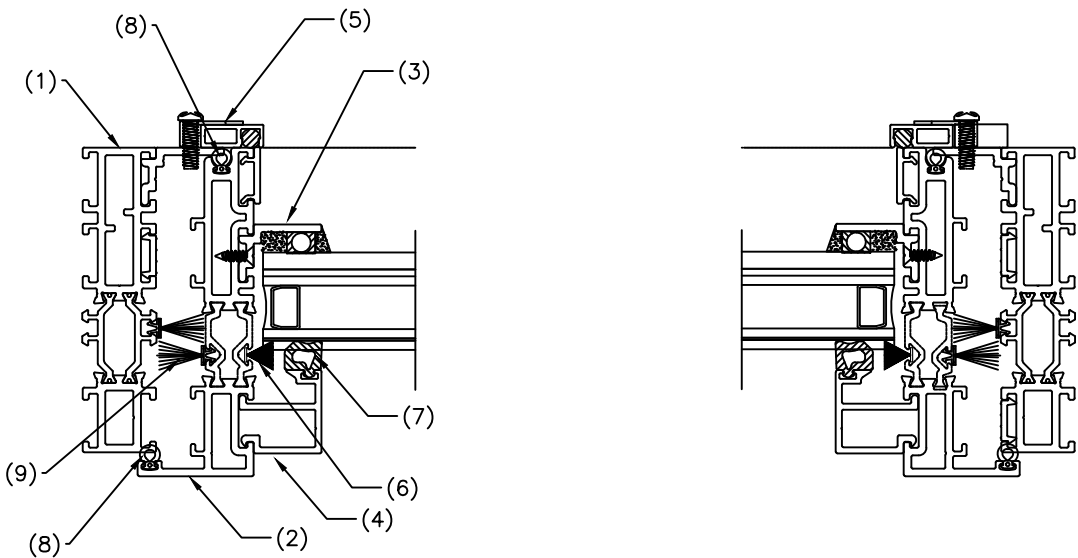
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3010i A4 Casement - Impact
Glazing Details

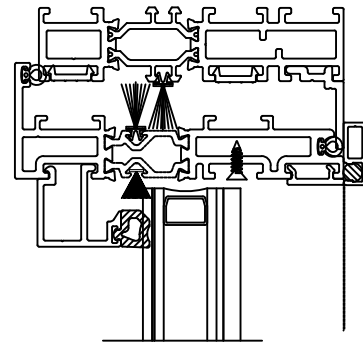
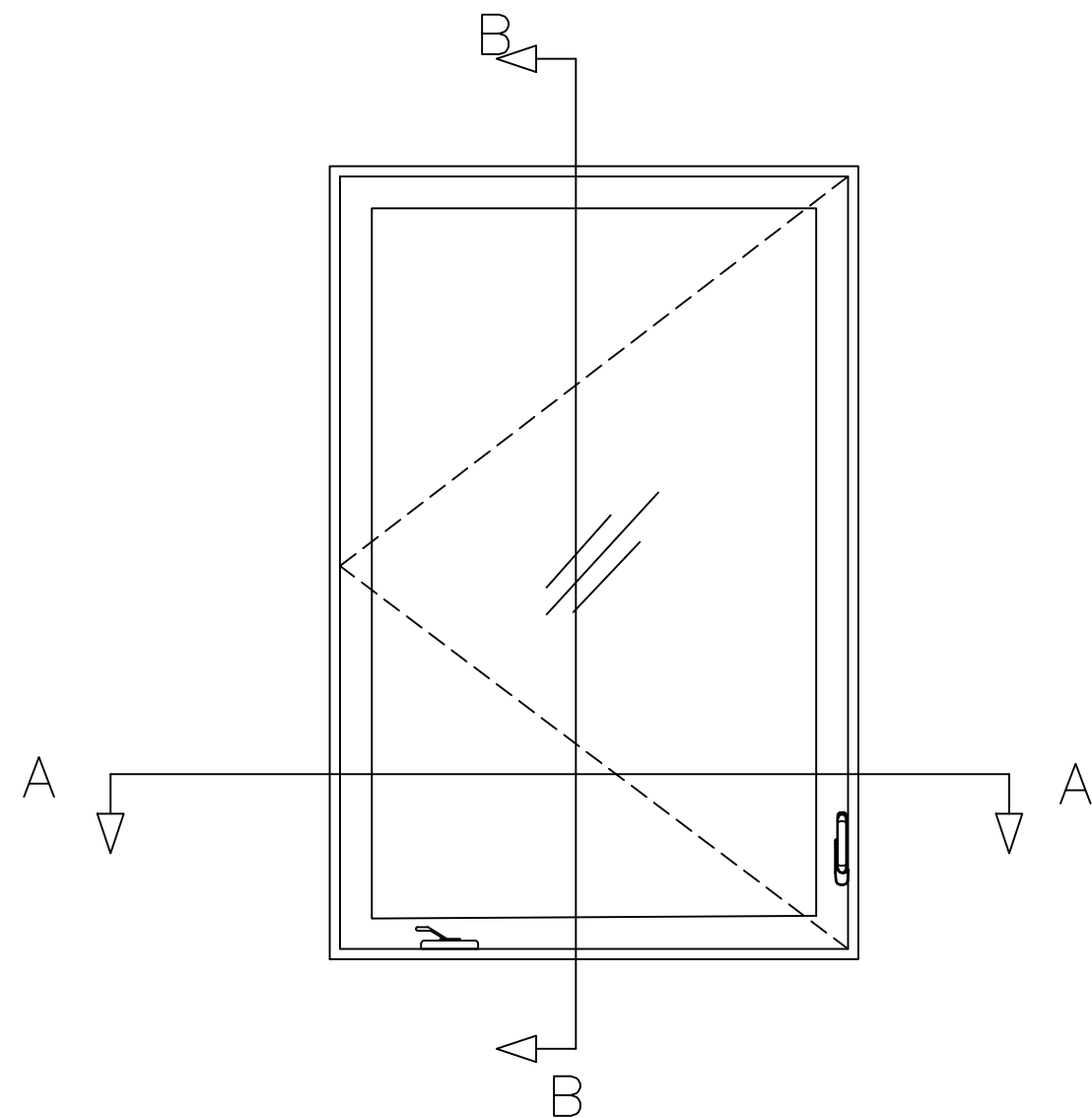
St. Cloud Window
390 Industrial Boulevard
Sauk Rapids, MN 56379

Drawing No.: R5120-1001
Project No.: R5120.01-122-34
Drawn By: JAR Rev: 1 Date: 11/21/24

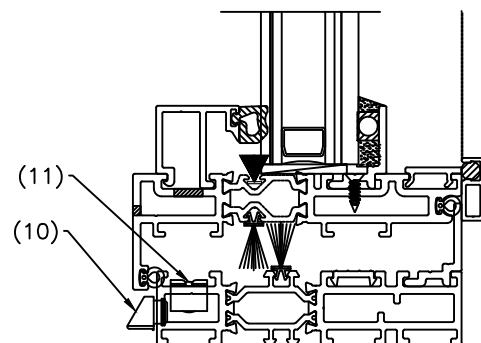
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SECTION A-A



SECTION B-B

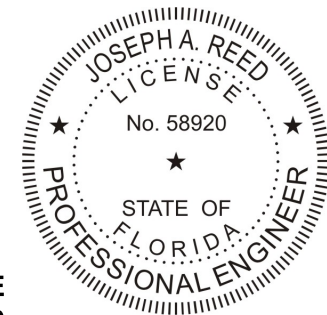


ITEM NO.	NAME	MATERIAL	DESCRIP.
1	Master Frame	6063-T6	EXTRUSION
2	Sash Frame	6063-T6	EXTRUSION
3	Applied Glazing Stop	6063-T6	EXTRUSION
4	Exterior Glazing Bead	6063-T6	EXTRUSION
5	Screen Assembly	--	ASSEMBLY
6	Weatherstripping	--	PILE WITH FIN
7	Dartwedge Gasket	EPDM	EXTRUSION
8	Bulb Gasket	VINYL	EXTRUSION
9	Weatherstripping	--	PILE WITH FIN
10	Weep Cover	PVC	INJ. MOLDED
11	Ball Valve	PVC	INJ. MOLDED

HARDWARE		
ITEM	NUMBER	LOCATION
MULTI-POINT HANDLE	1	JAMB
LOCKING LUGS	3	SILL, 3-1/2" FROM EACH JAMB
KEEPER	3	SASH STILE
ROTO OPERATOR	1	SILL, 5" FROM HINGE STILE
SASH BRACKET	1	SASH
SNUBBER	1	CENTER OF HINGE STILE
HINGES	2	TOP/BOTTOM OF HINGE STILE
WEATHERSTRIPPING		
ITEM	NUMBER	LOCATION
3/8" DARTWEDGE GASKET	1 ROW	EXTERIOR GLAZING STOP
5/16" HOLLOW BULB GASKET	2 ROWS	EXTERIOR AND INTERIOR PERIMETER OF SASH FRAME
19/32" PILE WEATHERSTRIPPING	1 ROW	SASH PERIMETER
19/32" PILE WEATHERSTRIPPING	1 ROW	FRAME PERIMETER
3/16" PILE WEATHERSTRIPPING	1 ROW	SASH PERIMETER AT GLAZING EXTERIOR

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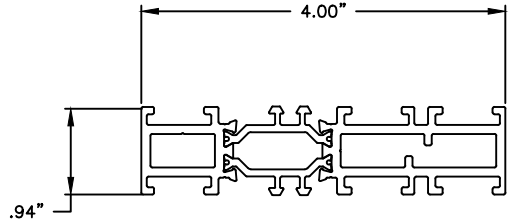
3010i A4 Casement - Impact Sections and Bill of Materials

St. Cloud Window
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Sauk Rapids, MN 56379

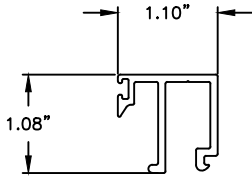
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Drawn By: JAR Rev: 1 Date: 11/21/24

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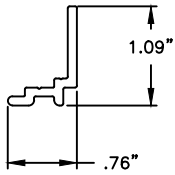
Sheet 9 of 10



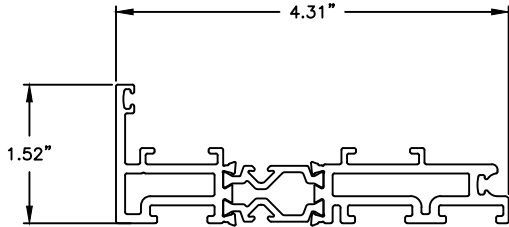
MASTER FRAME
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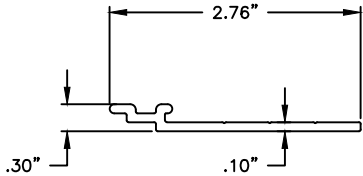
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6063-T6



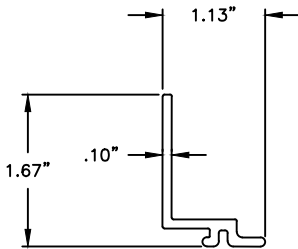
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6063-T6



VENT
6063-T6

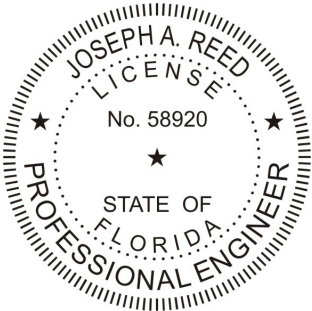


STRAP ANCHOR
6063-T6



NAIL FIN
6063-T6

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3010i A4 Casement - Impact
Components

St. Cloud Window
390 Industrial Boulevard
Sauk Rapids, MN 56379

Drawing No.: R5120-1001
Project No.: R5120.01-122-34
Drawn By: JAR Rev: 1 Date: 11/21/24

Scale: NTS Sheet 10 of 10