

Technical drawing of a rectangular frame assembly. The overall dimensions are 96" wide by 96" high. The drawing shows a central rectangular area with a vertical divider, surrounded by a frame. Arrows indicate the direction of flow or force. Dimensions for the frame and divider are provided: 5" and 12" for the inner frame sections, and 5" and 12" for the outer frame sections. A legend indicates that the symbol Δ represents an anchor, with a reference to sheets 3 through 10.

1. Installations depicted satisfy the requirements of the Florida Building Code, Building 8th Edition (2023) for design wind pressures and overall sizes noted.
2. 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.
3. Wood buck strips and wood frames are assumed S-P-F (G=0.42) or denser. Buck width shall be greater than the frame width. Tapered or partial width buck strips are not allowed.
4. 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.
5. Metal stud frames are assumed to be a minimum 18 gauge 33 KSI steel.
6. Wood screws shall be corrosion resistant and meet the requirements of ANSI/ASME B18.6.1
7. 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.
8. TEKS screws shall be corrosion resistant and shall be ASTM A510 Grade 1018 or equivalent.
9. Maximum permitted shim thickness is 1/4". Shims shall be non-compressible and load bearing type. Every through-frame fastener shall have a shim.
10. Nail fin is not structural and only for flashing/sealing if not removed. If fin is not removed, all anchors shown on these drawings must be installed.
11. Products are not impact resistant and require approved protection devices if used in wind-borne debris regions.
12. Per Florida Building Code 1709.5.1, door assemblies installed in areas where overhang ratio is equal or greater than 1.0 do not require water infiltration resistance.

Overhang ratio = overhang length/overhang height.
13. Not for use in High Velocity Hurricane Zone (HVHZ).

This item has been digitally
signed and sealed by Michael

A circular professional engineer seal for Michael D. Stremmel. The outer ring contains the text "MICHAEL D. STREMMEL" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 65868" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal has a decorative border of small vertical lines.

2024.03.18 14:47:35 -04'00'

Sheet 1 of 11

Sheet 1	Elevations and Notes
Sheet 2	Design Pressure Charts
Sheet 3	Frame Install to Wood
Sheet 4	Frame Install to Steel Stud
Sheets 5-6	Frame Install to Concrete or CMU
Sheet 7	Strap Install to Wood
Sheet 8	Strap Install to Steel Stud
Sheets 9-10	Strap Install to Concrete or CMU
Sheet 11	Accessories & Glazing

1615/1617 XX & OX Horizontal Sliding Door (non-Impact) Doors Installed with 8055 Sill Extender						
Panel Height (in)	Design Pressure (psf) for Panel Width (inch)					
	24	30	36	42	48	54
76 (80 Door Height)	50 -85	50 -85	50 -77.9	50 -70.6	50 -65.5	50 -61.9
80 (84 Door Height)	50 -85	50 -83.1	50 -72.8	50 -65.8	50 -60.8	50 -57.2
86 (90 Door Height)	50 -85	50 -76	50 -66.4	50 -59.7	50 -54.9	-
92 (96 Door Height)	50 -83.9	50 -70.1	50 -61	50 -54.6	+/-50.0	-

1615/1617 XX & OX Horizontal Sliding Door (non-Impact) Doors Installed Under Overhang In Accordance with FBC §1709.5.1.2						
Panel Height (in)	Design Pressure (psf) for Panel Width (inch)					
	24	30	36	42	48	54
76 (80 Door Height)	+/-85.0	+/-85.0	+/-77.9	+/-70.6	+/-65.5	+/-61.9
80 (84 Door Height)	+/-85.0	+/-83.1	+/-72.8	+/-65.8	+/-60.8	+/-57.2
86 (90 Door Height)	+/-85.0	+/-76.0	+/-66.4	+/-59.7	+/-54.9	-
92 (96 Door Height)	+/-83.9	+/-70.1	+/-61.0	+/-54.6	+/-50.0	-

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FL REG 37122
1410 Eden Road
York, PA 17402
717-916-6300

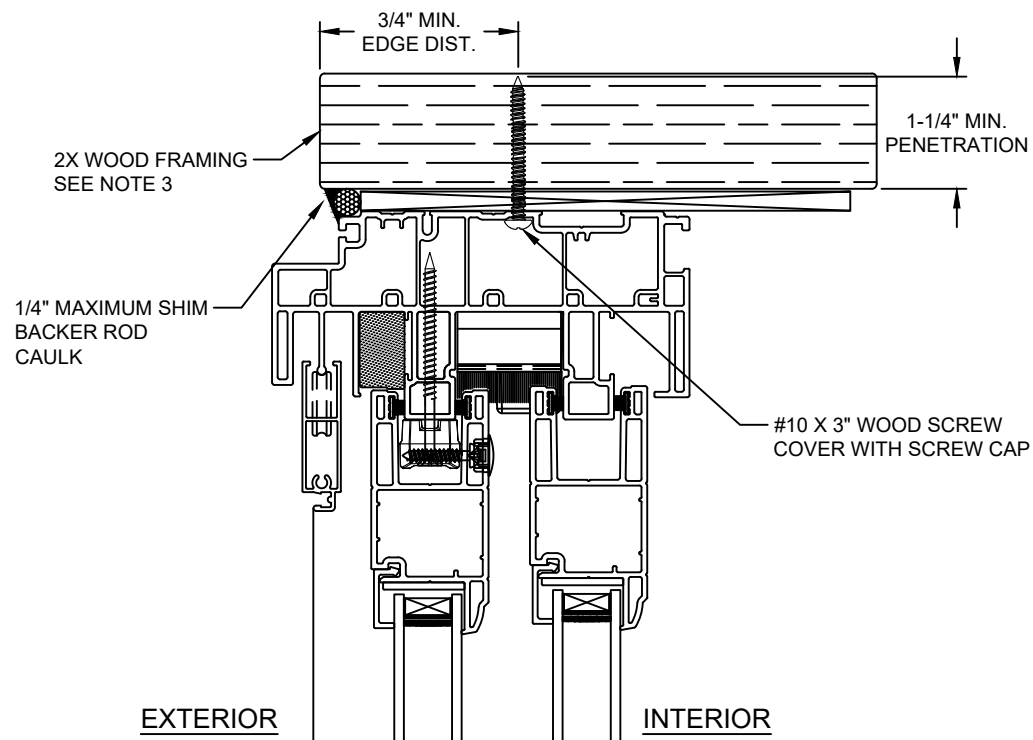


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1615/1617 Sliding Door Design Pressure Charts	
MI Windows and Doors 702 W. Market St. Gratz, PA 17030	
Drawing No.: 27488.15-1001 Project No.: 27488.15-107-16 Drawn By: MDS Rev: 1 Date: 3/18/24	
Scale: NTS	Sheet 2 of 11

HEAD



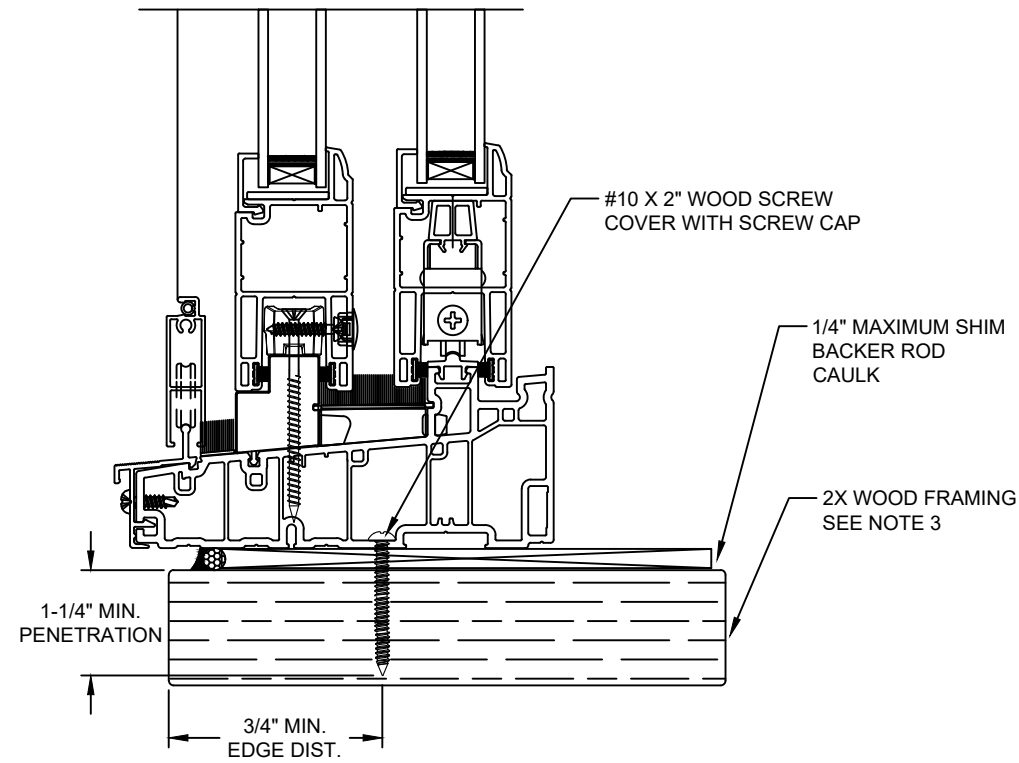
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EXTERIOR

JAMB

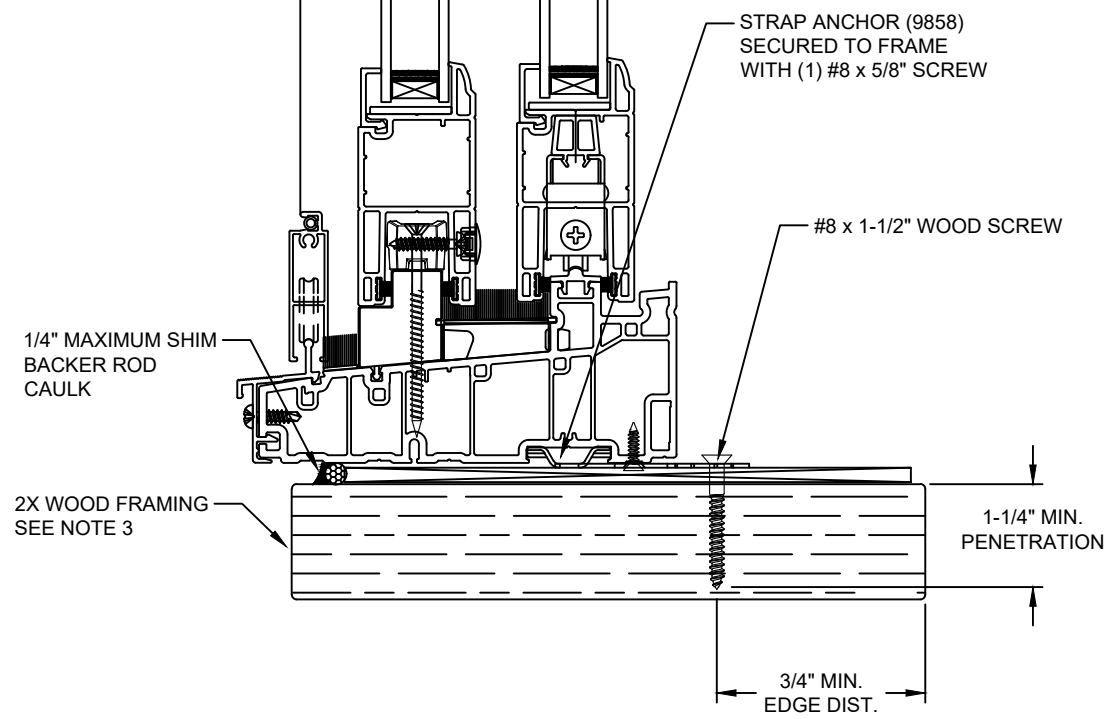
EXTERIOR

INTERIOR



ALTERNATE SILL

SILL



NOTE:
IF SILL INSTALLED TO STEEL, SEE SHEETS 4 AND 8
IF SILL INSTALLED TO CONCRETE, SEE SHEETS 5, 6, 9 AND 10

Note:
Waterproofing and interior finishes by others. Not shown for clarity.

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1615/1617 Sliding Door
Frame Install to Wood

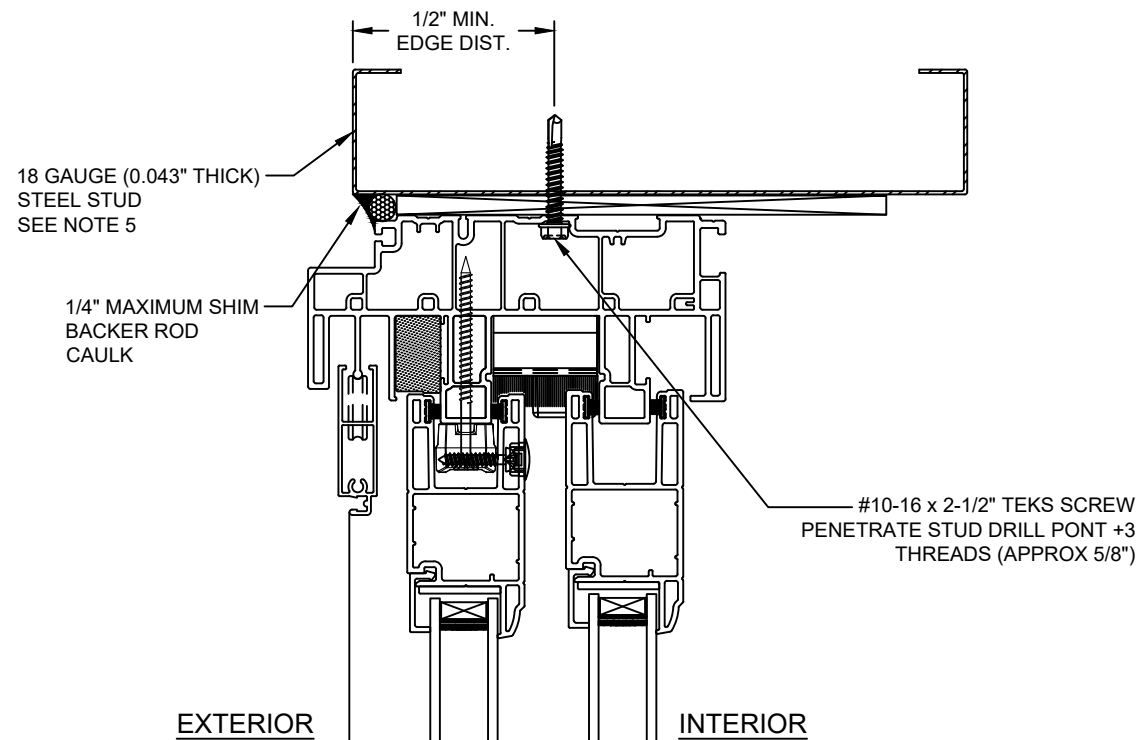
MI Windows and Doors
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Gratz, PA 17030

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Project No.: 27488.15-107-16
Drawn By: MDS Rev: 1 Date: 3/18/24

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Sheet 3 of 11

HEAD



INTERIOR

EXTERIOR

18 GAUGE (0.043\"/>

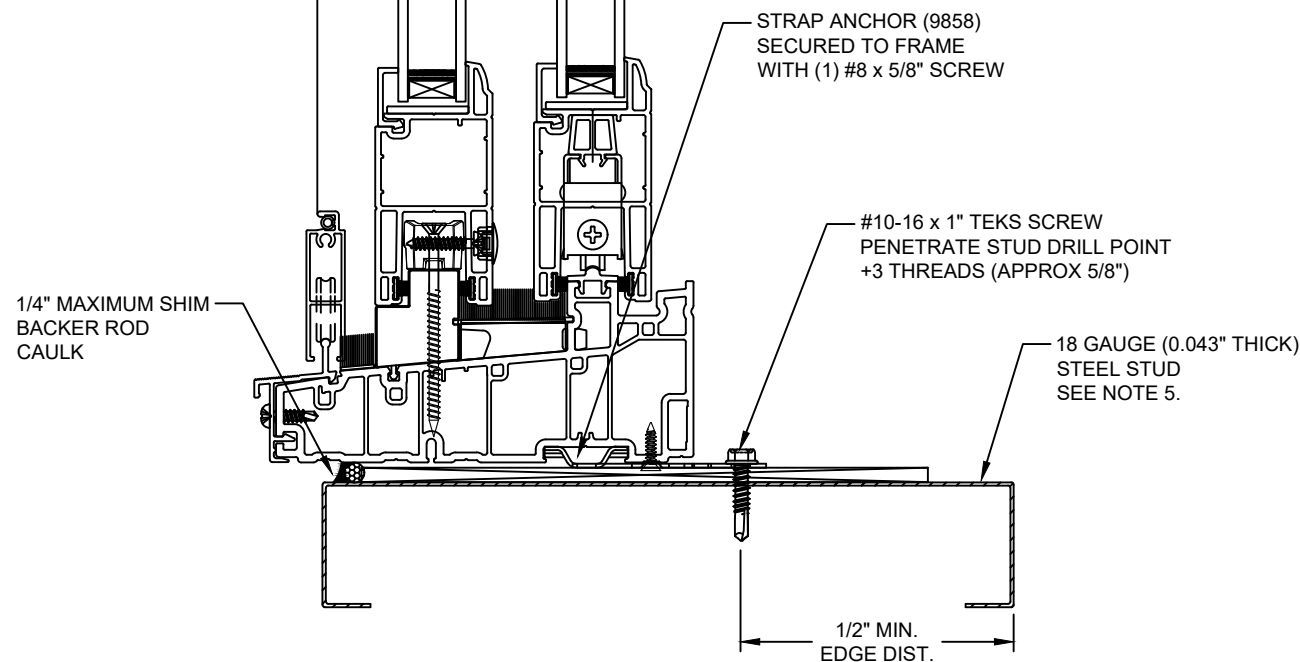
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#10-16 X 2-1/2\"/>

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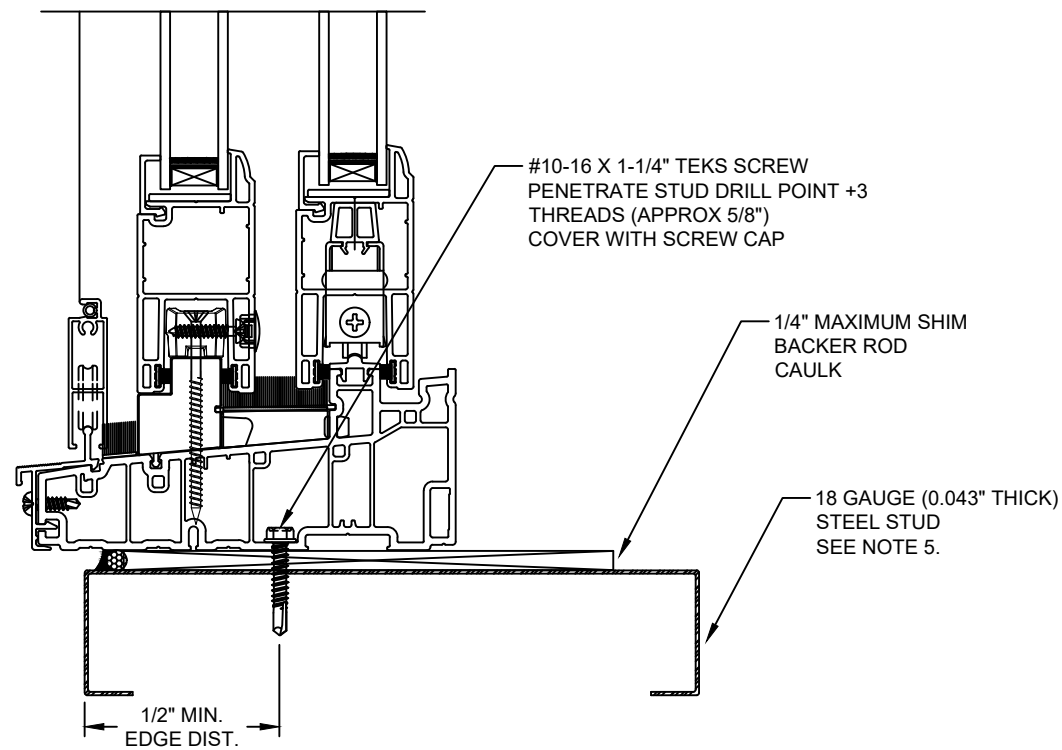
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SILL

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1615/1617 Sliding Door
Frame Install to Steel Stud

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702 W. Market St.
Gratz, PA 17030

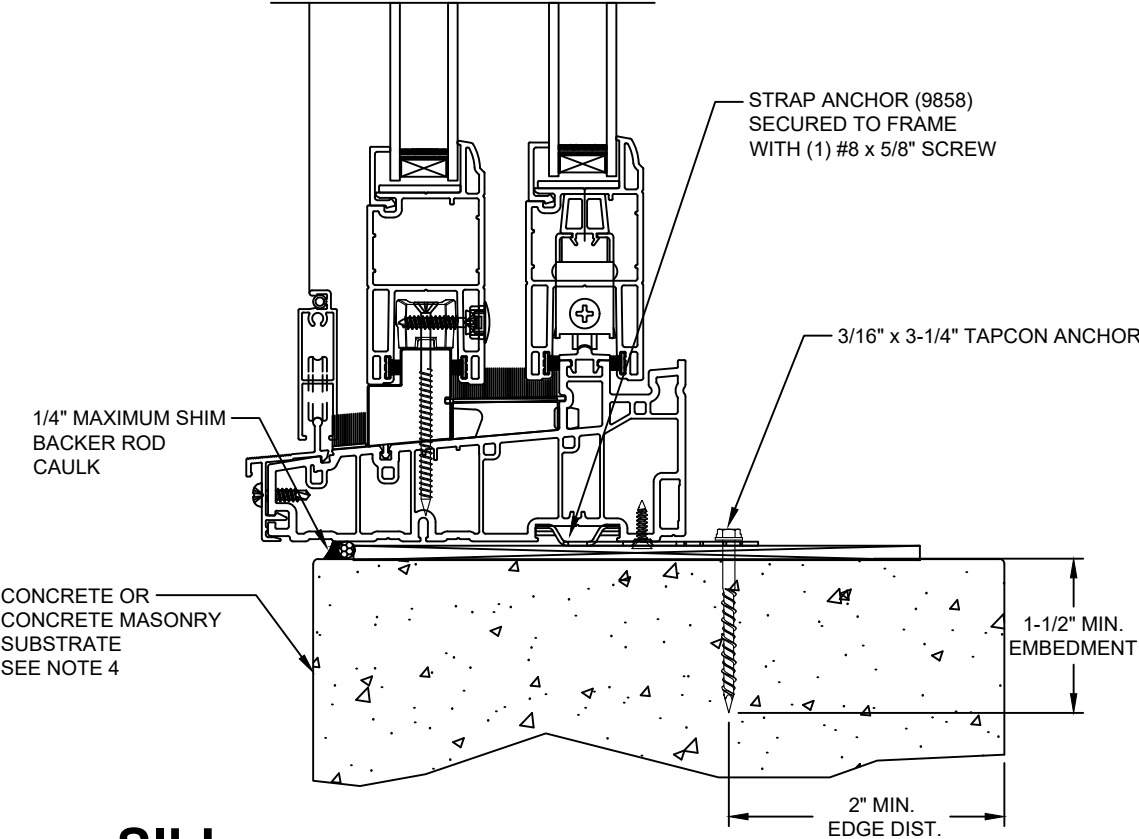
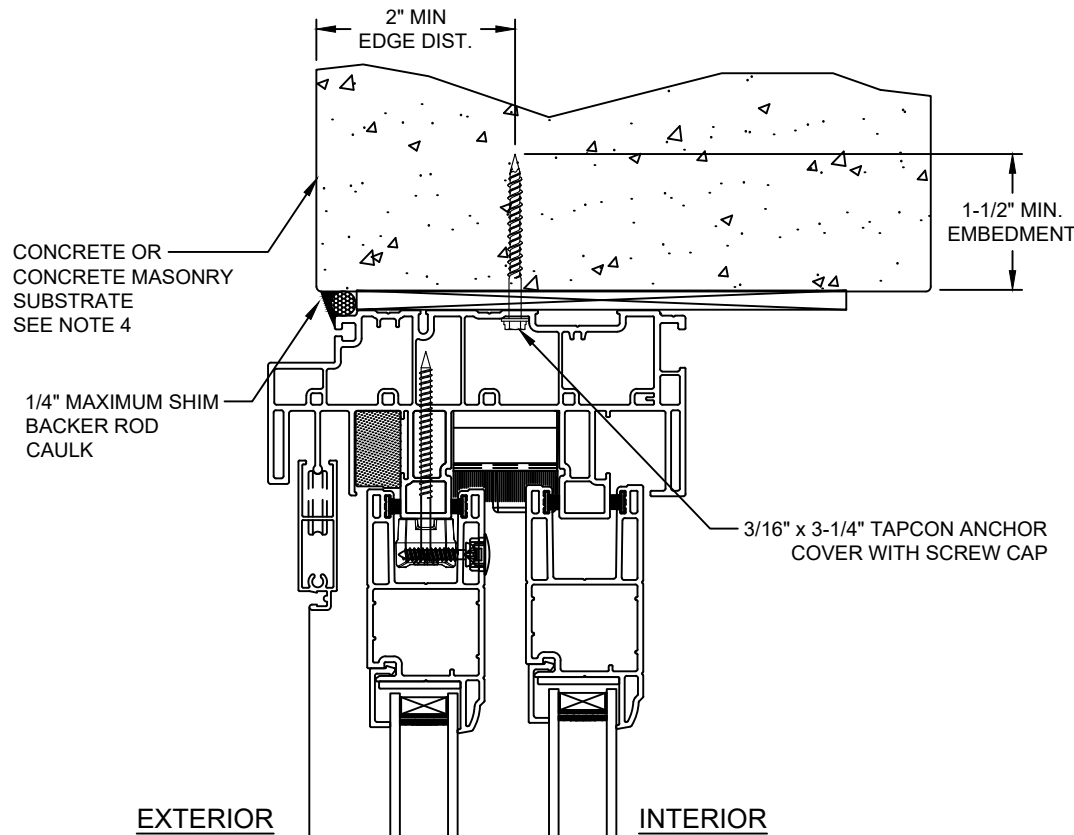
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Drawn By: MDS Rev: 1 Date: 3/18/24

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Sheet 4 of 11

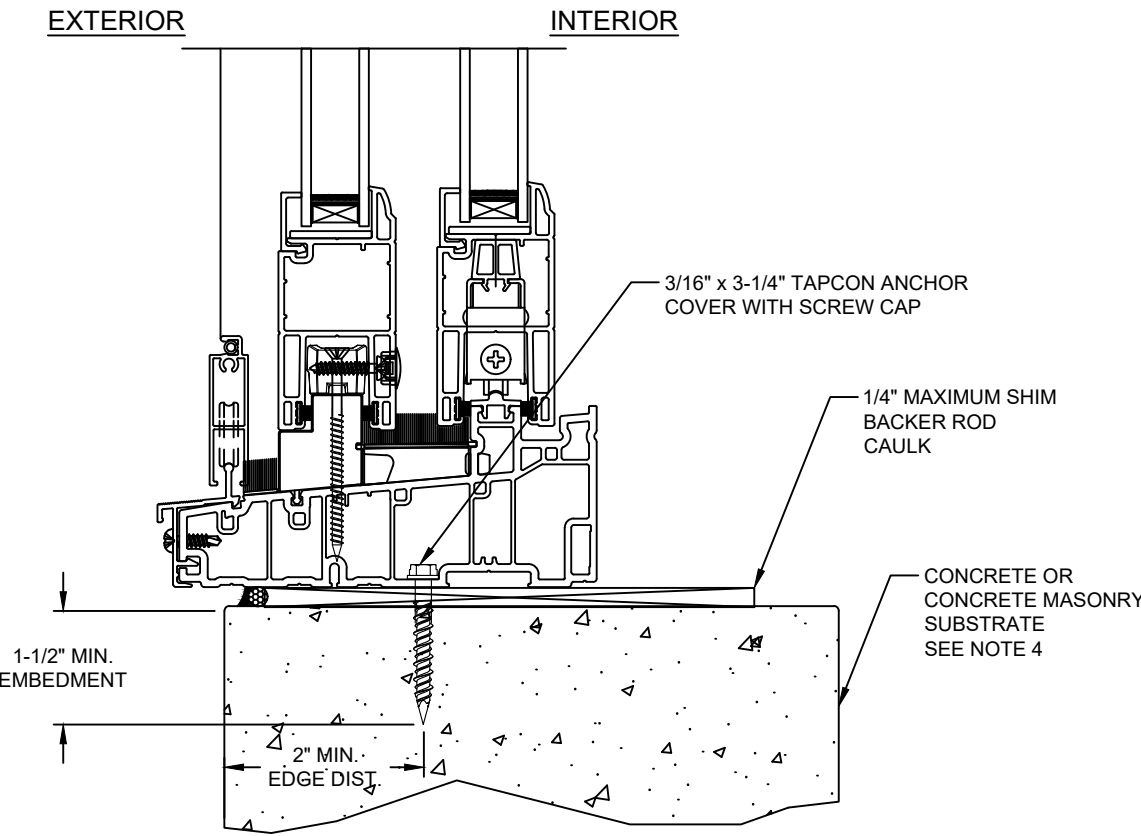
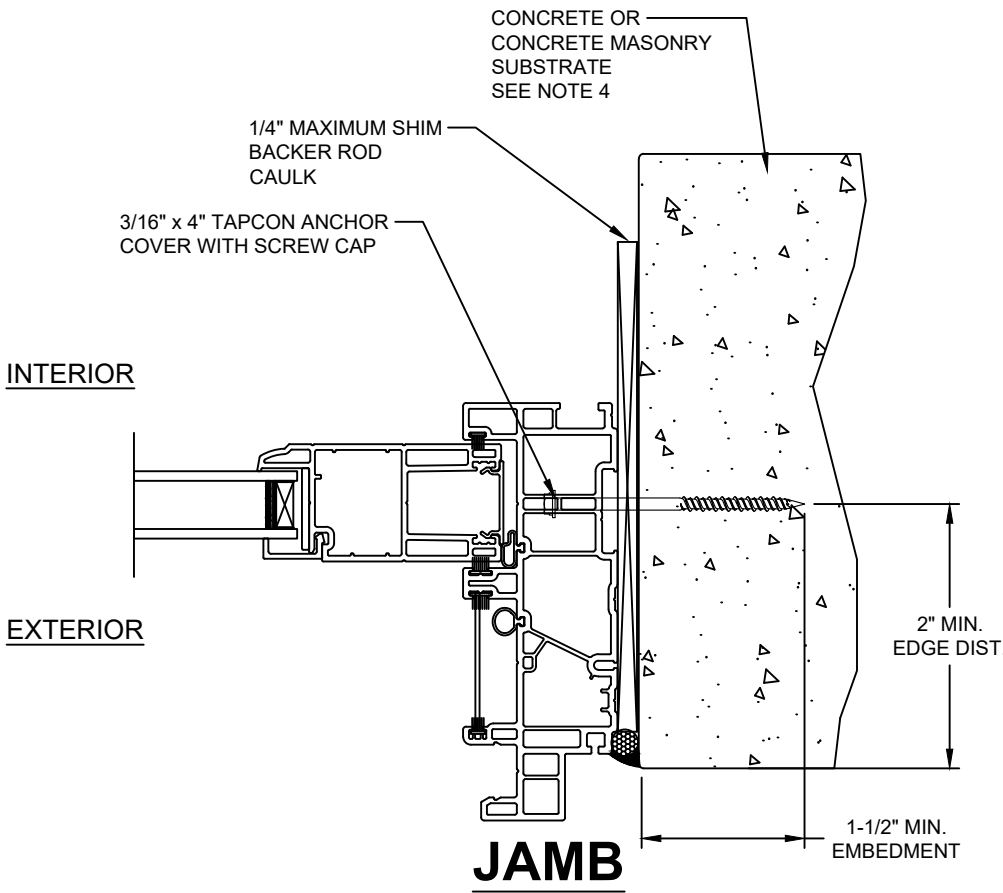
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IF SILL INSTALLED TO STEEL STUD, SEE SHEETS 4 AND 8



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1615/1617 Sliding Door
Frame Install to Concrete or CMU

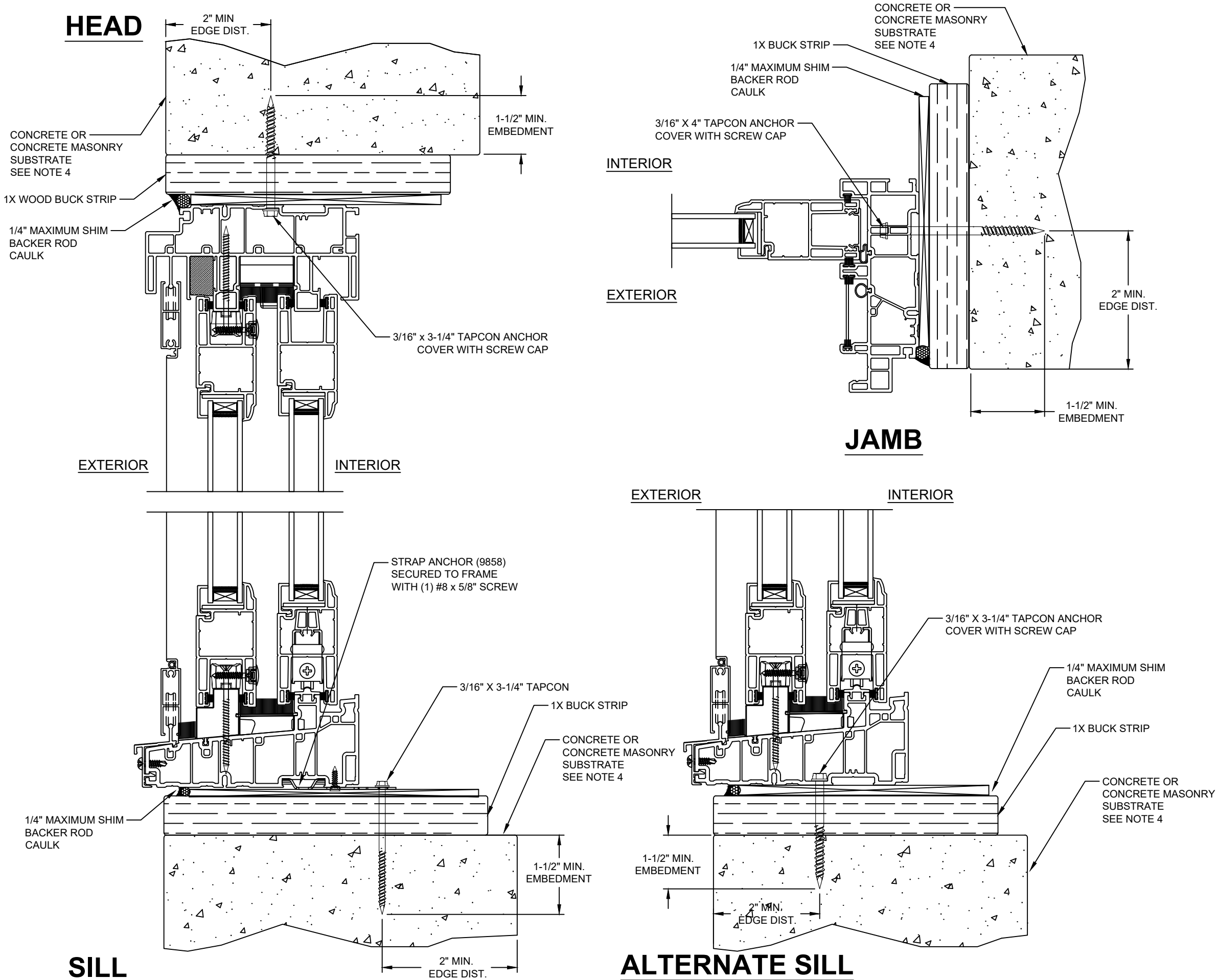
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Sheet 5 of 11

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1615/1617 Sliding Door
Frame Install to Concrete or CMU

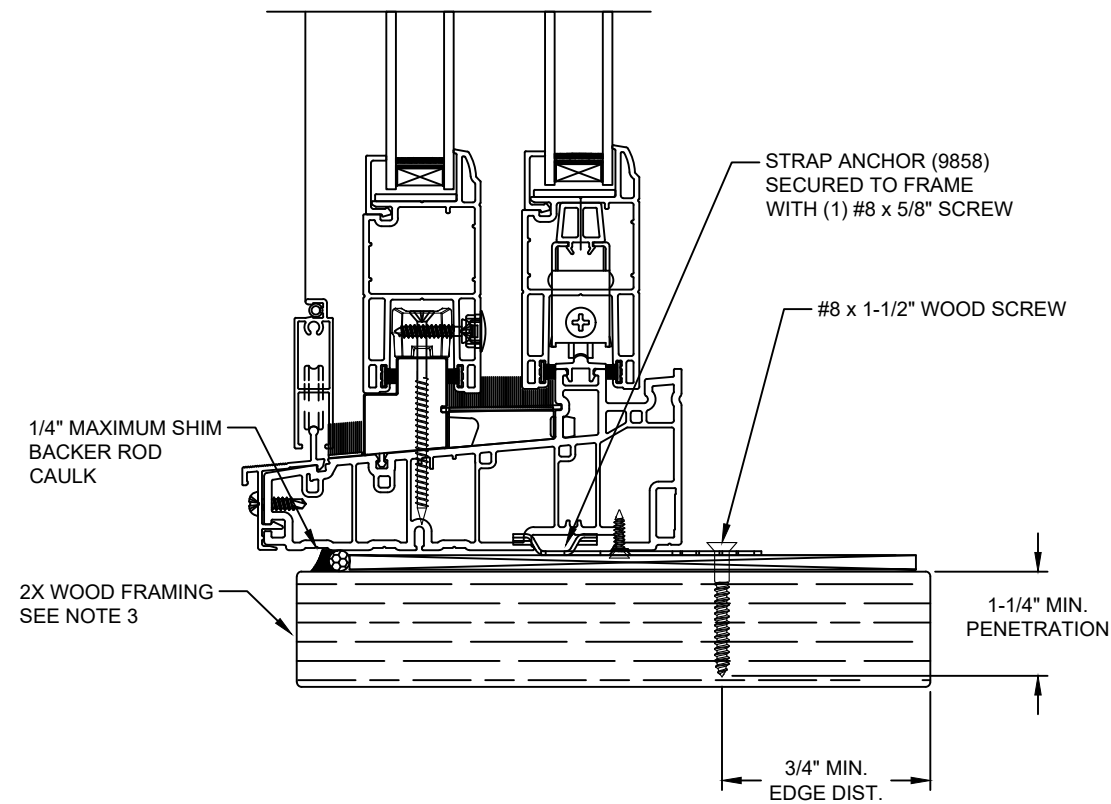
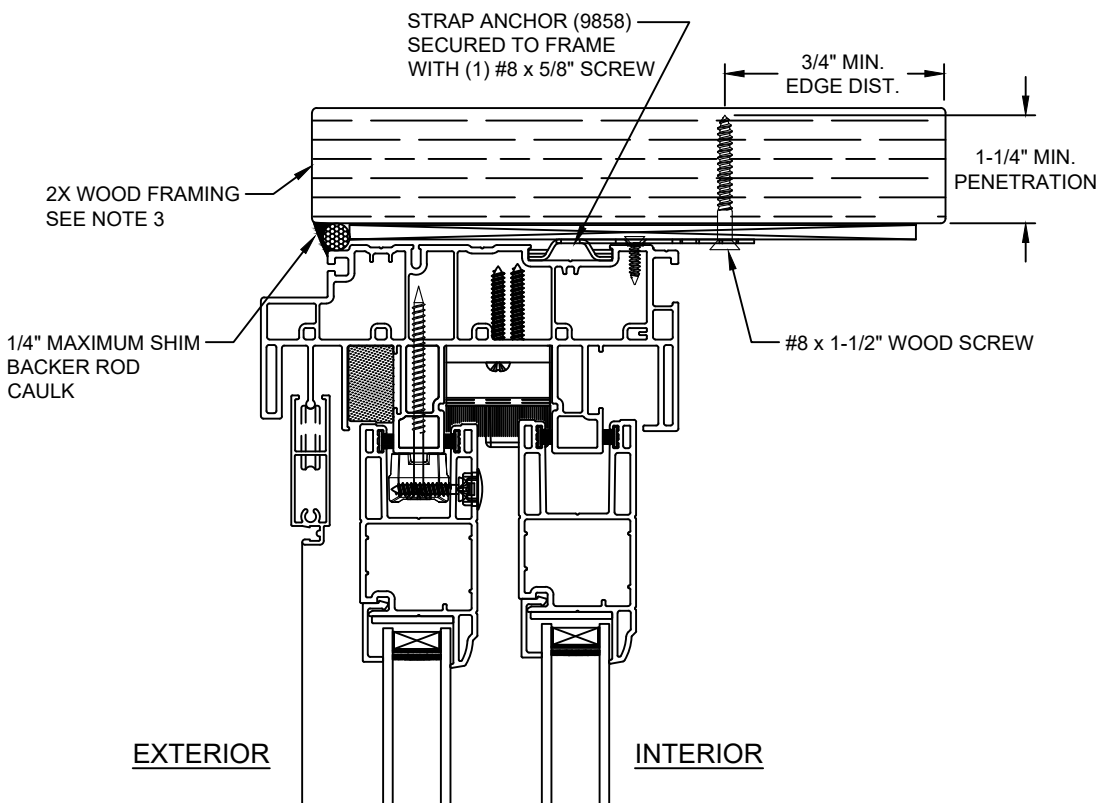
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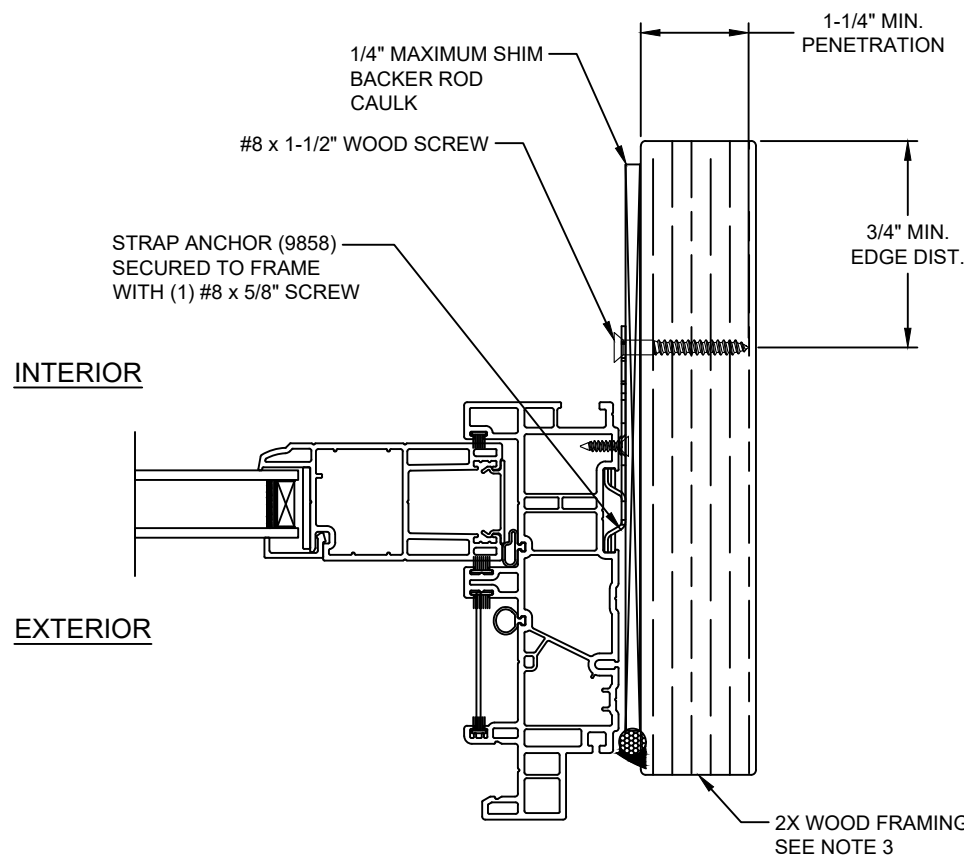
Sheet 6 of 11

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SILL

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IF SILL INSTALLED TO CONCRETE, SEE SHEETS 9 AND 10



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1615/1617 Sliding Door
Strap Install to Wood

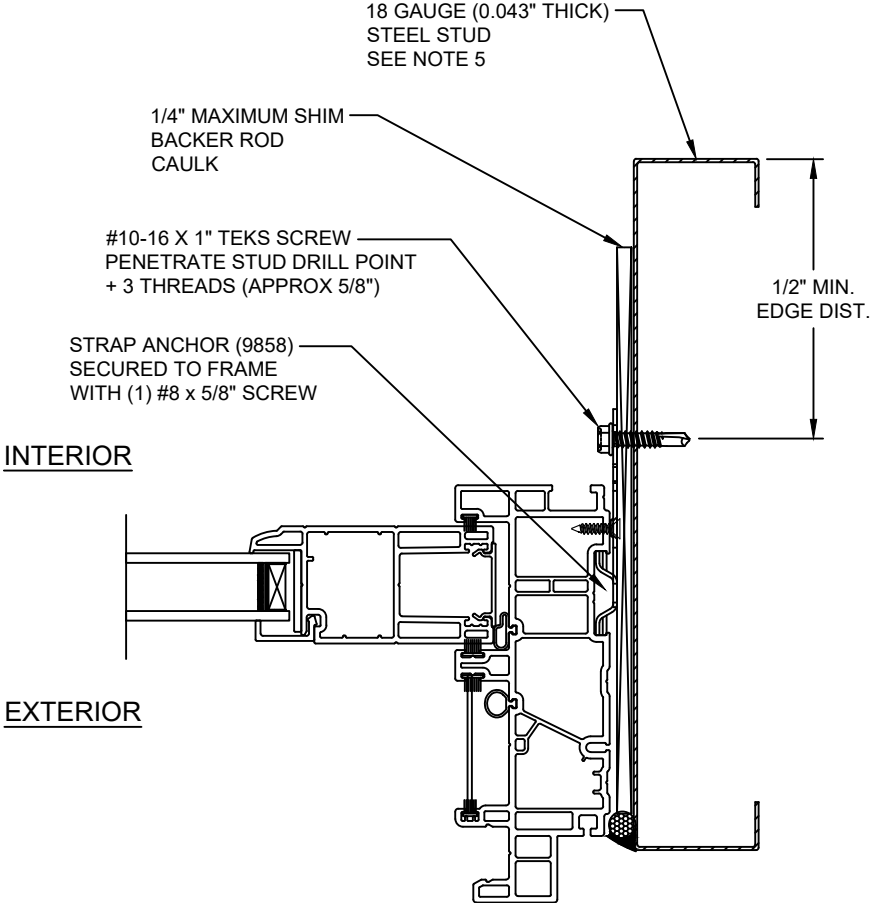
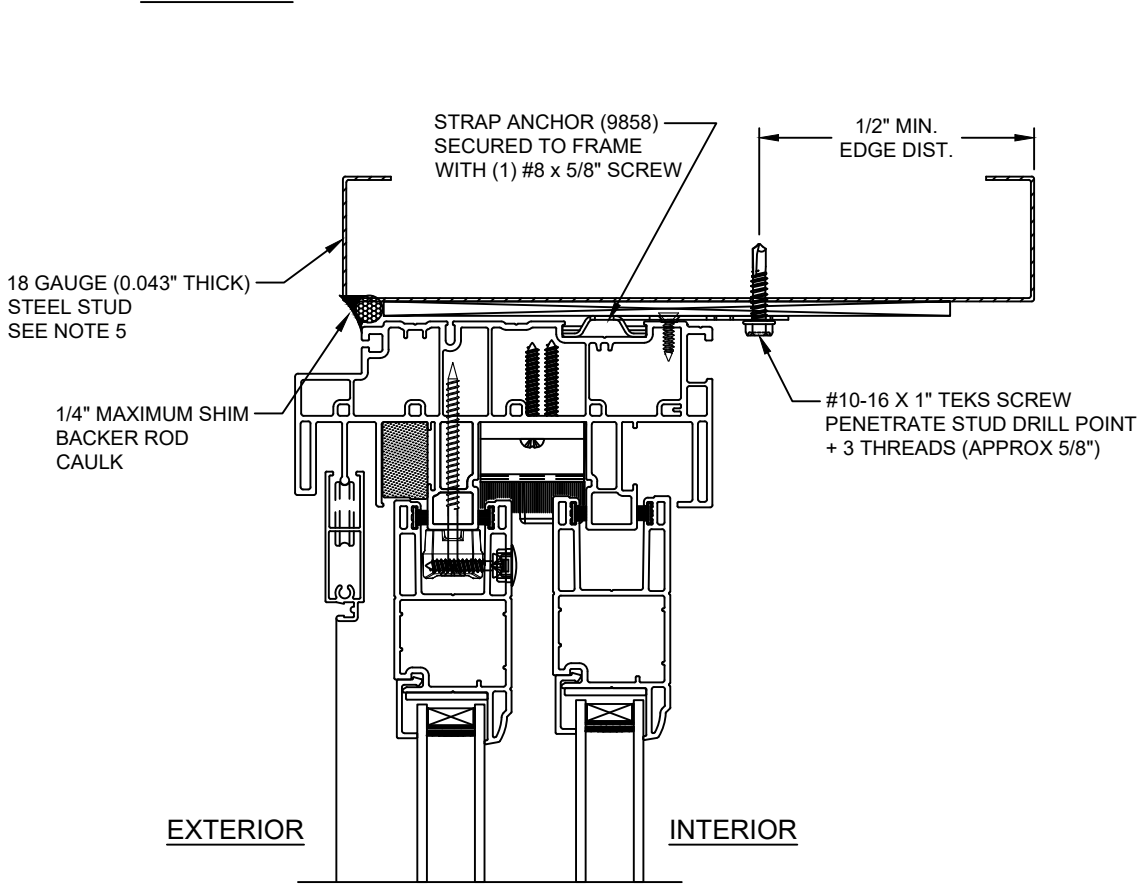
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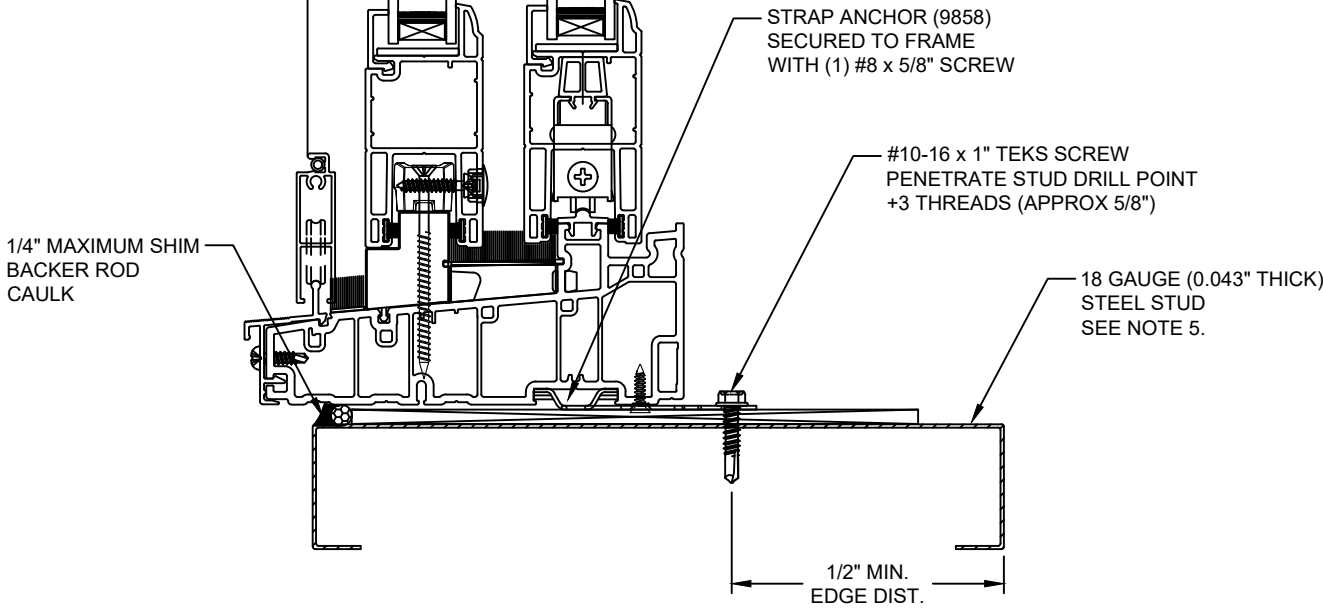
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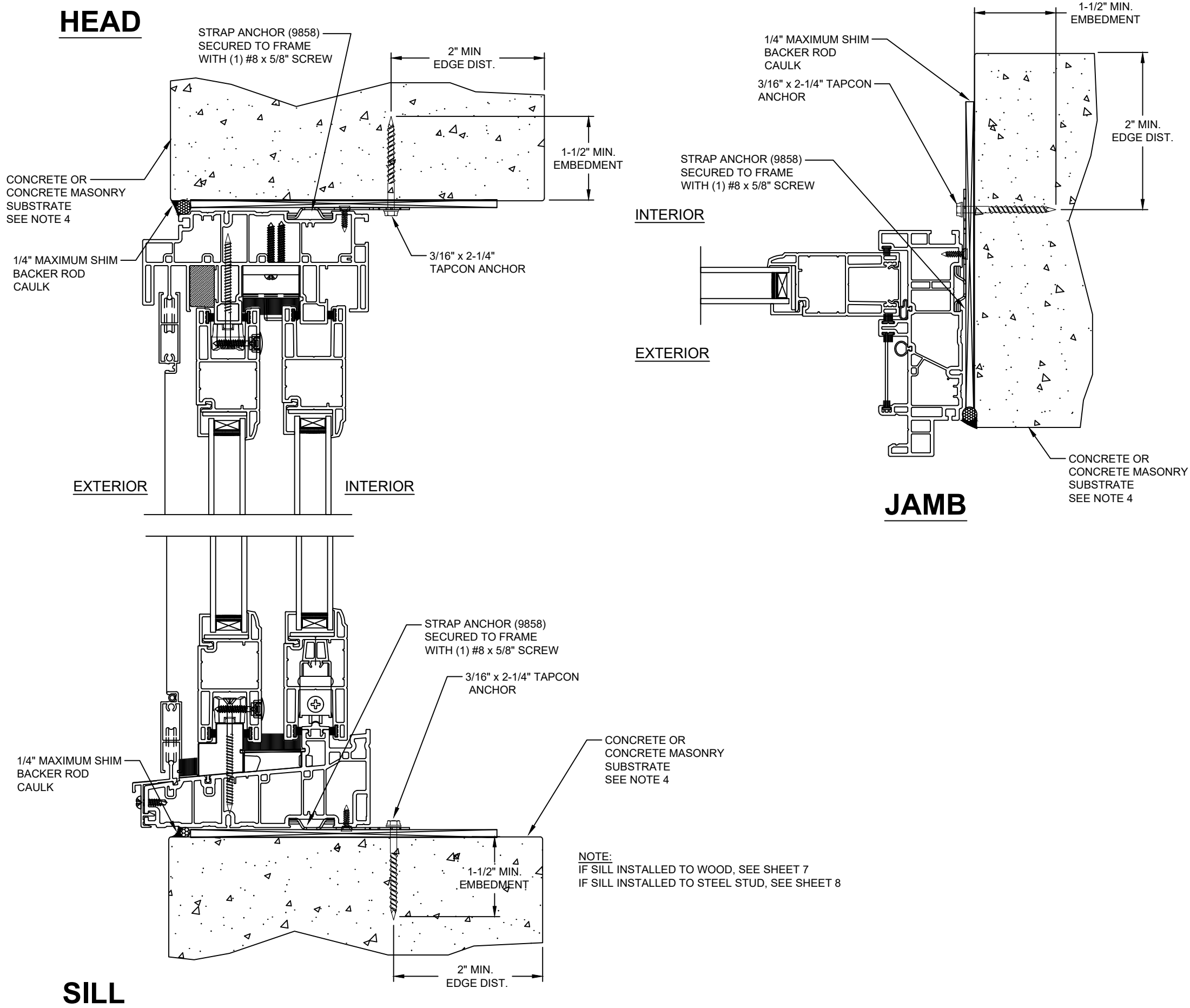
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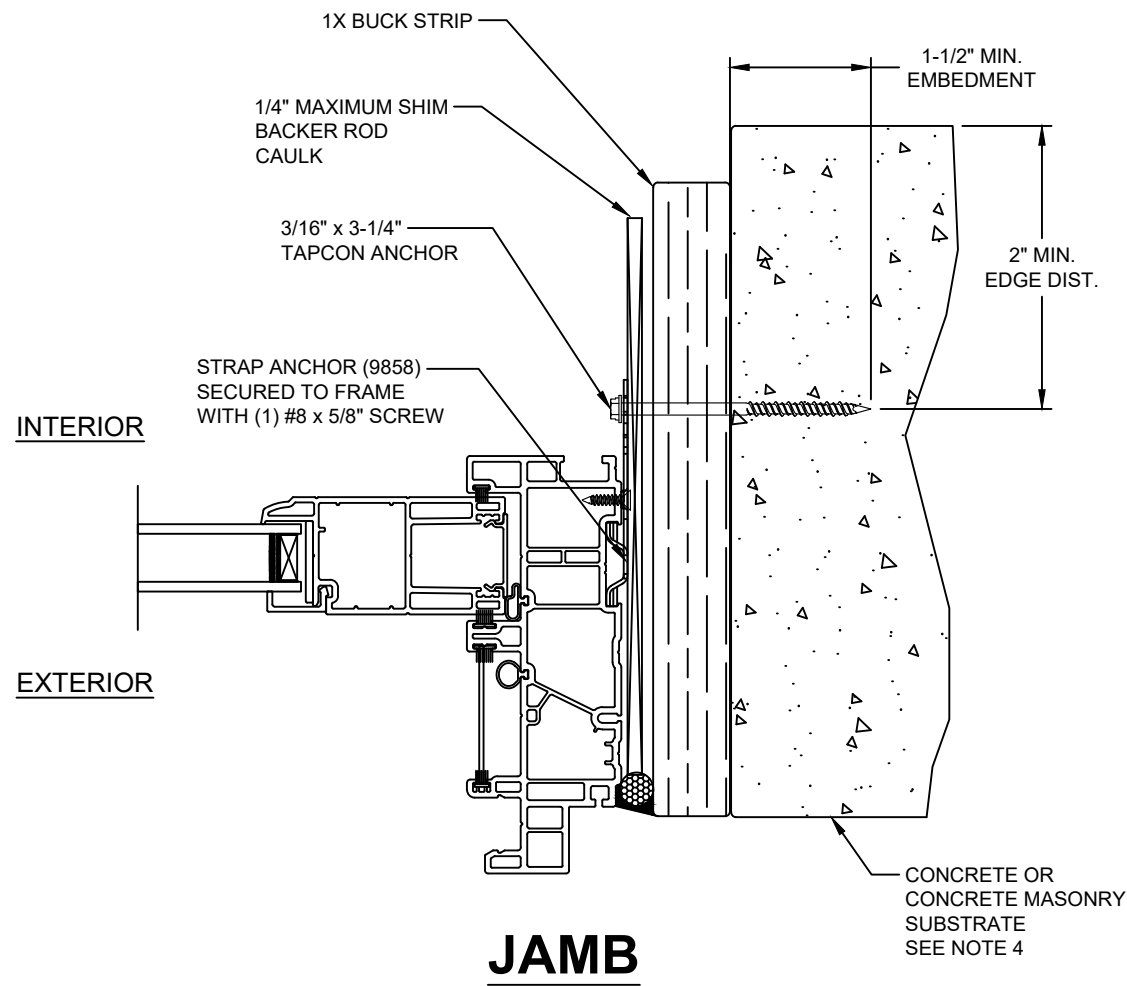
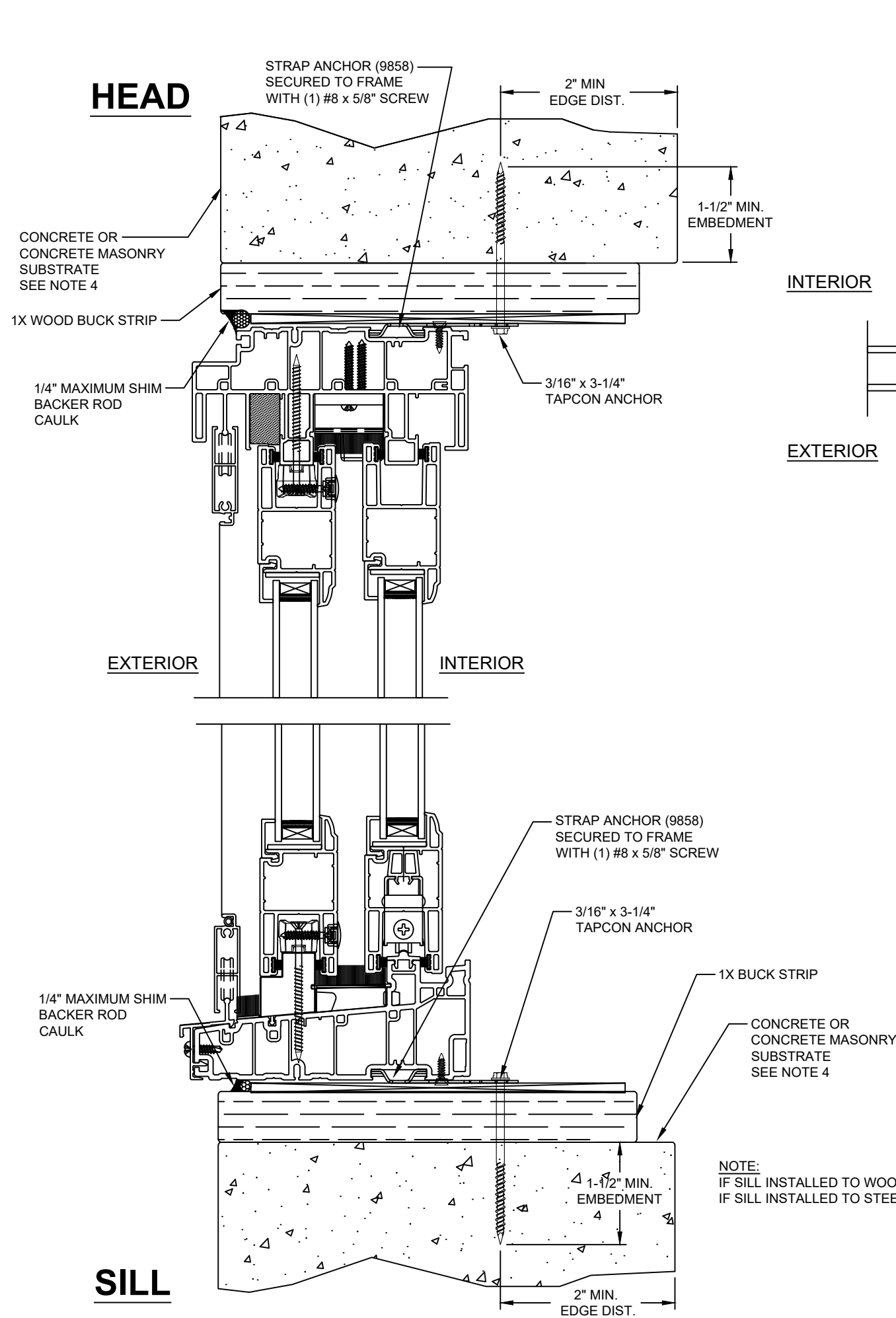
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1615/1617 Sliding Door Strap Install to Concrete or CMU	
MI Windows and Doors 702 W. Market St. Gratz, PA 17030	
Drawing No.: 27488.15-1001 Project No.: 27488.15-107-16 Drawn By: MDS Rev: 1 Date: 3/18/24	
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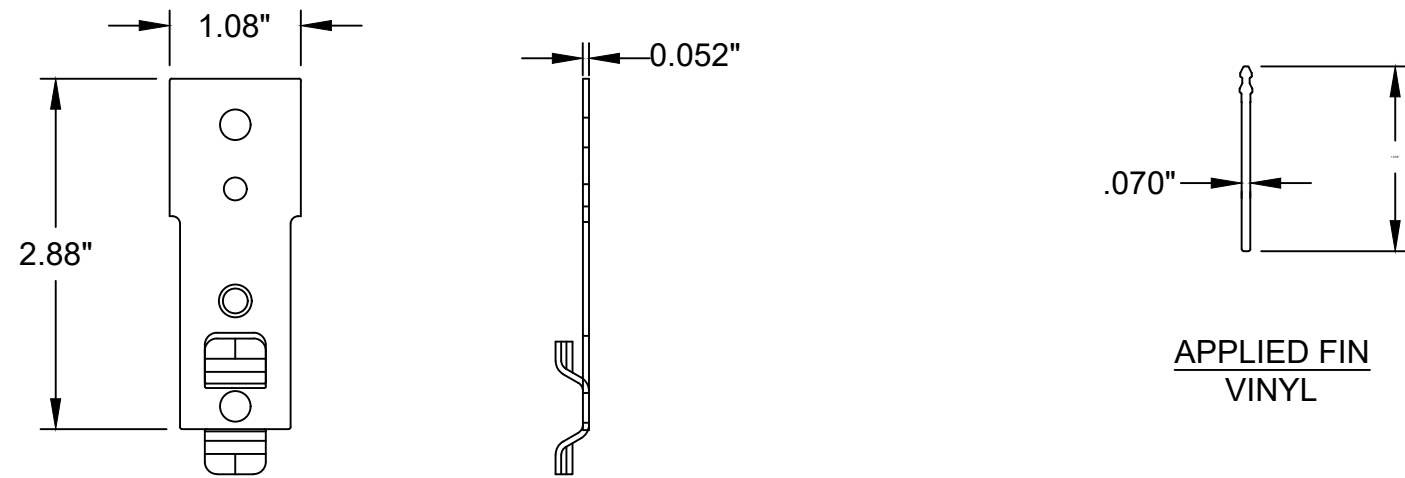
1615/1617 Sliding Door
Strap Install to Concrete or CMU

MI Windows and Doors
702 W. Market St.
Gratz, PA 17030

Drawing No.: 27488.15-1001
Project No.: 27488.15-107-16
Drawn By: MDS Rev: 1 Date: 3/18/24

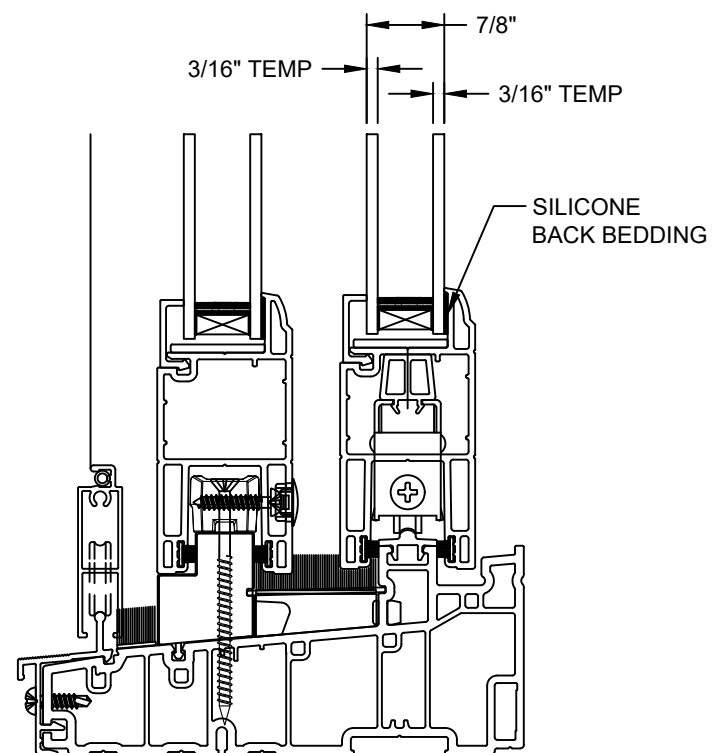
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Sheet 10 of 11



STRAP ANCHOR
PART NO. 9858
GALVANIZED STEEL

APPLIED FIN
VINYL



GLAZING DETAIL

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1615/1617 Sliding Door
Accessories

MI Windows and Doors

702 W. Market St.
Gratz, PA 17030

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Project No.: 27488.15-107-16
Drawn By: MDS Rev: 1 Date: 3/18/24

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