

NOTES:

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 window 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. Products are impact resistant and do not require approved protection devices if used in wind-borne debris regions.
11. Not for use in High Velocity Hurricane Zone (HVHZ).

CONTENTS:

|        |      |                                  |
|--------|------|----------------------------------|
| Sheet  | 1    | Notes                            |
| Sheet  | 2    | Elevations                       |
| Sheet  | 3    | Fin Install to Wood              |
| Sheet  | 4    | Fin Install to Steel Stud        |
| Sheet  | 5    | Frame Install to Wood            |
| Sheet  | 6    | Frame Install to Steel Stud      |
| Sheets | 7-8  | Frame Install to Concrete or CMU |
| Sheets | 9-10 | J-Hook Installation Details      |

This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

A handwritten signature in black ink, appearing to read "Michael D. Stremmel".

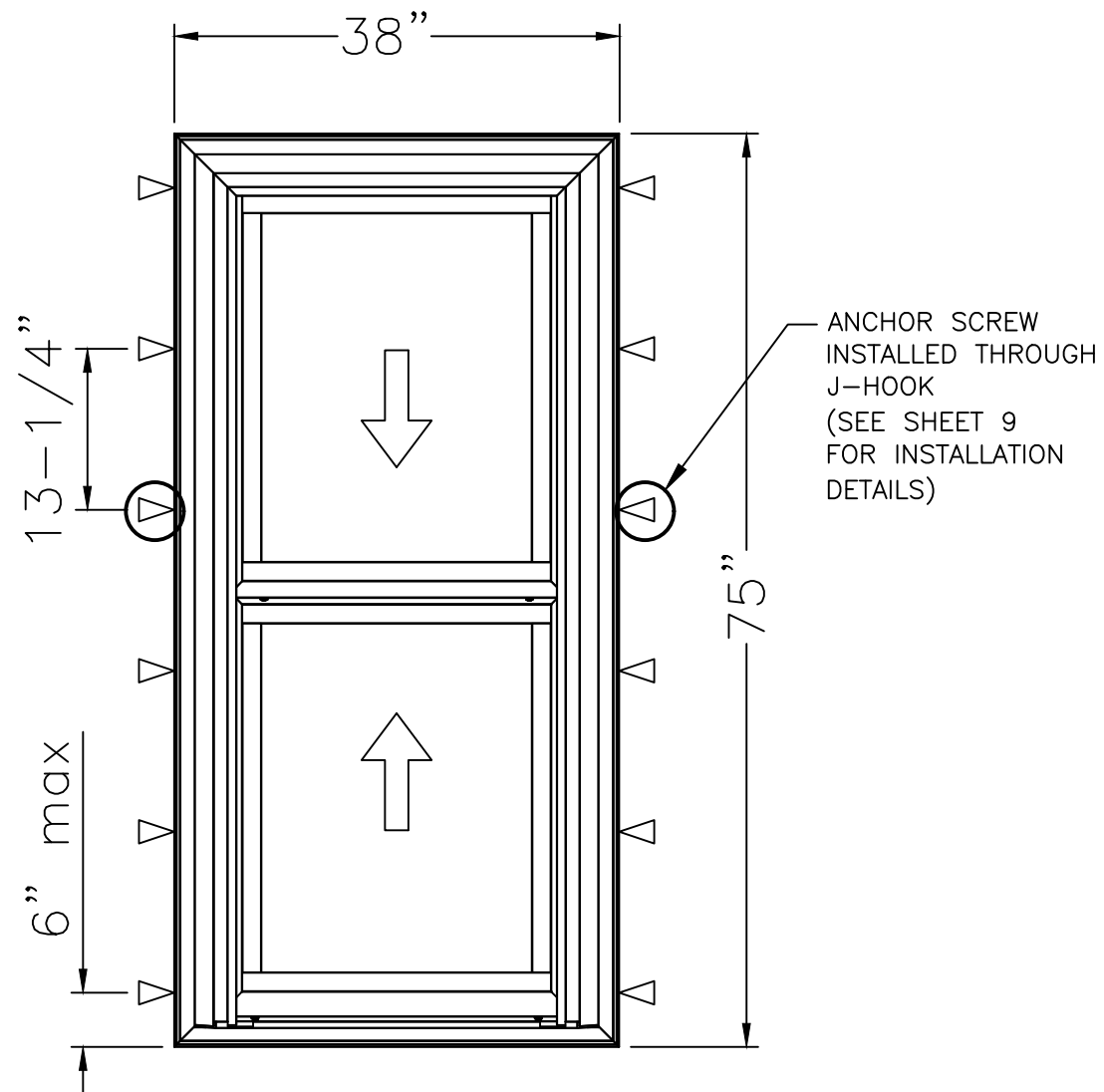
1650i PVC DH Window - Impact Notes

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

Drawing No.: 27250.02 - 1001  
Project No.: 27250.02-107-16  
Drawn By: MDS REV: 3 Date: 09/25/24

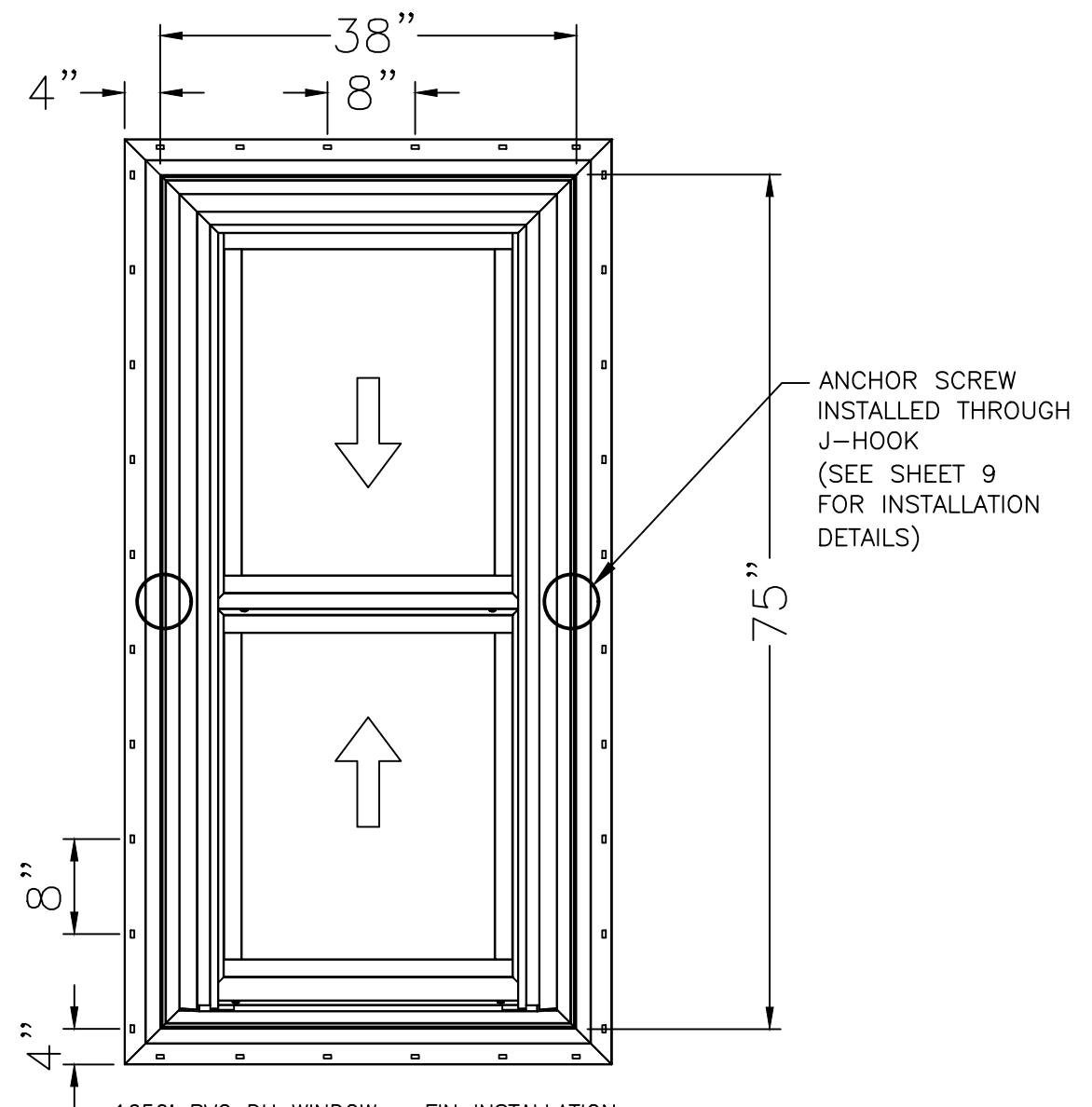
Scale: NTS

Sheet 1 of 10



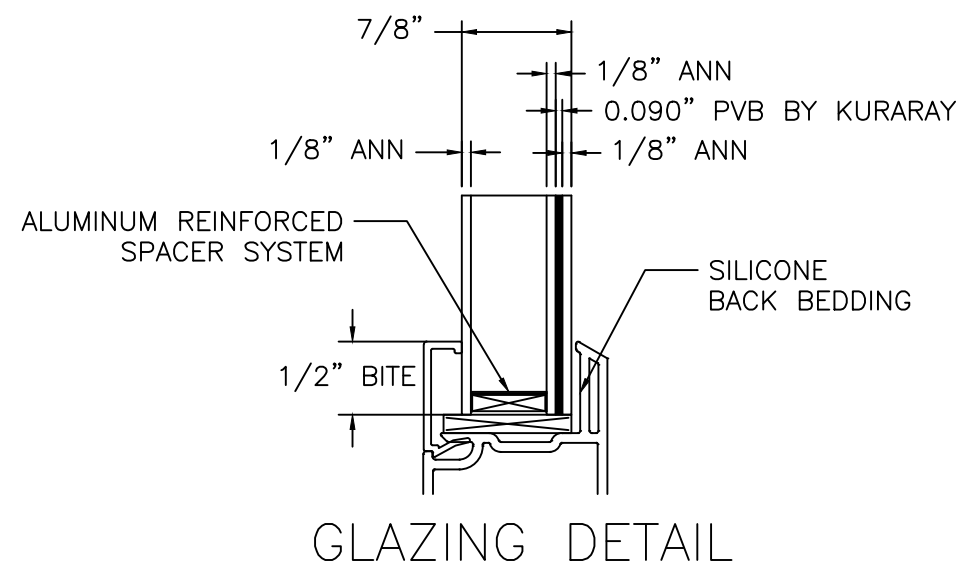
1650i PVC DH WINDOW – FINLESS INSTALLATION  
MAXIMUM SIZE 38" X 75"  
DESIGN PRESSURE +60/-70 PSF  
MISSILE D – WIND ZONE 3

▽ FRAME ANCHOR  
SEE SHEETS 5 TO 8



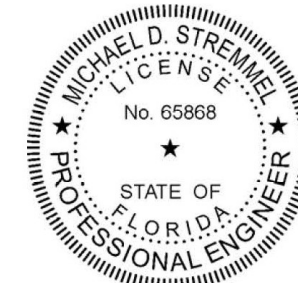
1650i PVC DH WINDOW – FIN INSTALLATION  
MAXIMUM SIZE 38" X 75"  
DESIGN PRESSURE +60/-70 PSF  
MISSILE D – WIND ZONE 3

● FIN ANCHOR  
SEE SHEETS 3 TO 4



This item has been digitally  
signed and sealed by Michael  
D. Stremmel, PE on the date  
adjacent to the seal. Printed  
copies of this document are  
not considered signed and  
sealed and the signature  
must be verified on any  
electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

*Michael D. Stremmel*

## 1650i PVC DH Window - Impact Elevations

### MI Windows and Doors

702 W. Market St.  
Gratz, PA 17030

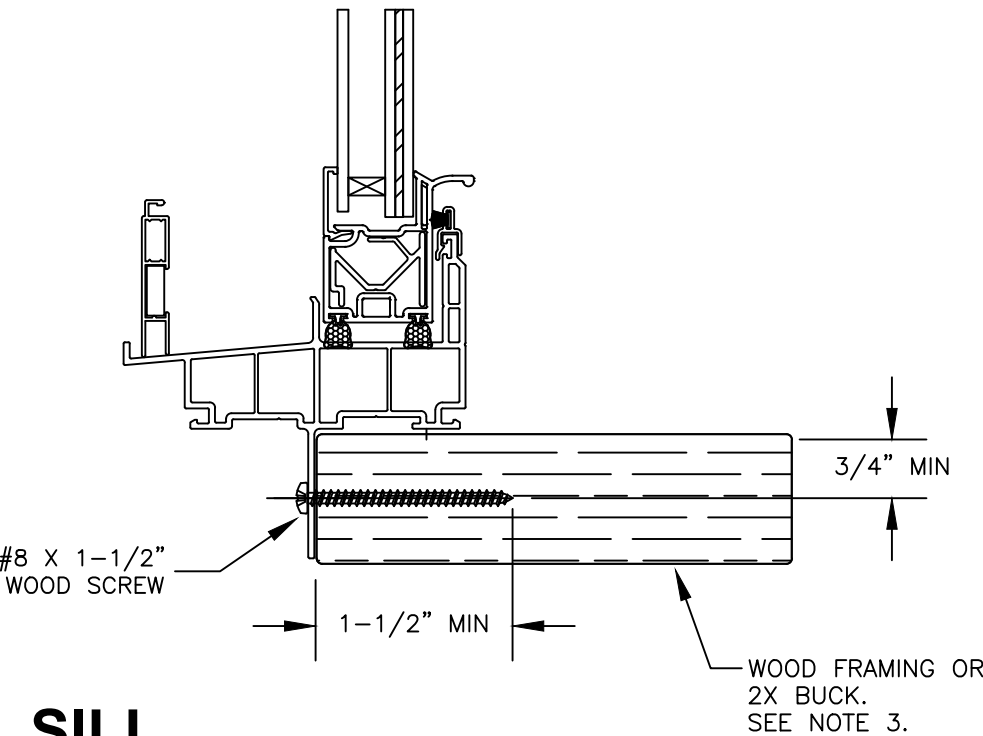
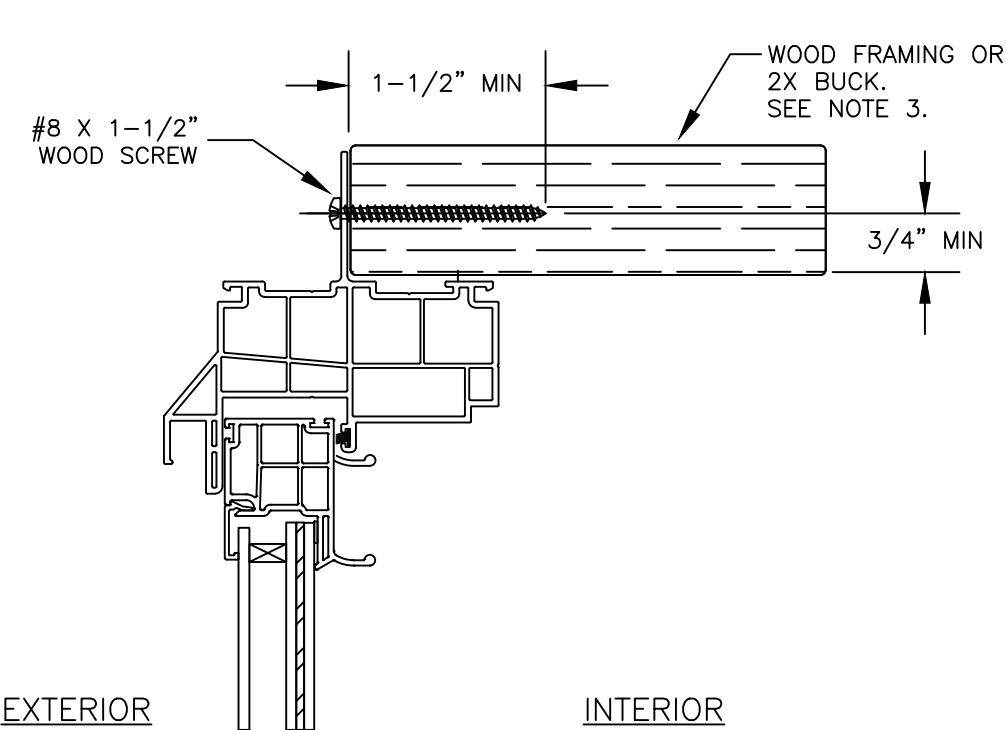
Drawing No.: 27250.02 - 1001  
Project No.: 27250.02-107-16  
Drawn By: MDS REV: 3 Date: 09/25/24

Scale: NTS

Sheet 2 of 10

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

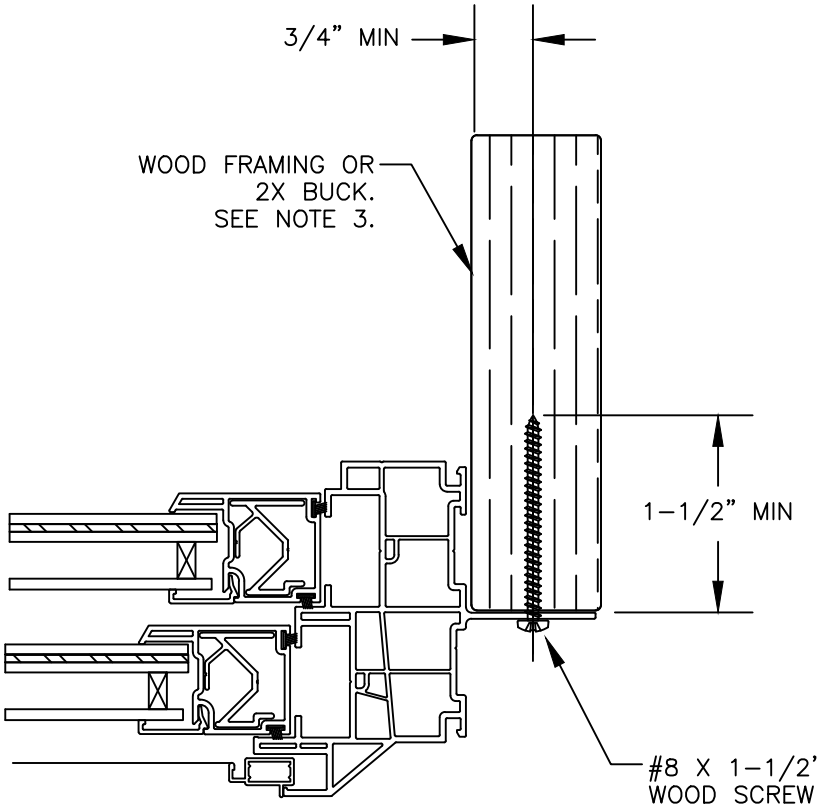
**HEAD**



**SILL**

INTERIOR

EXTERIOR



**JAMB**

This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

**1650i PVC DH Window - Impact**  
Fin Installation to Wood

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

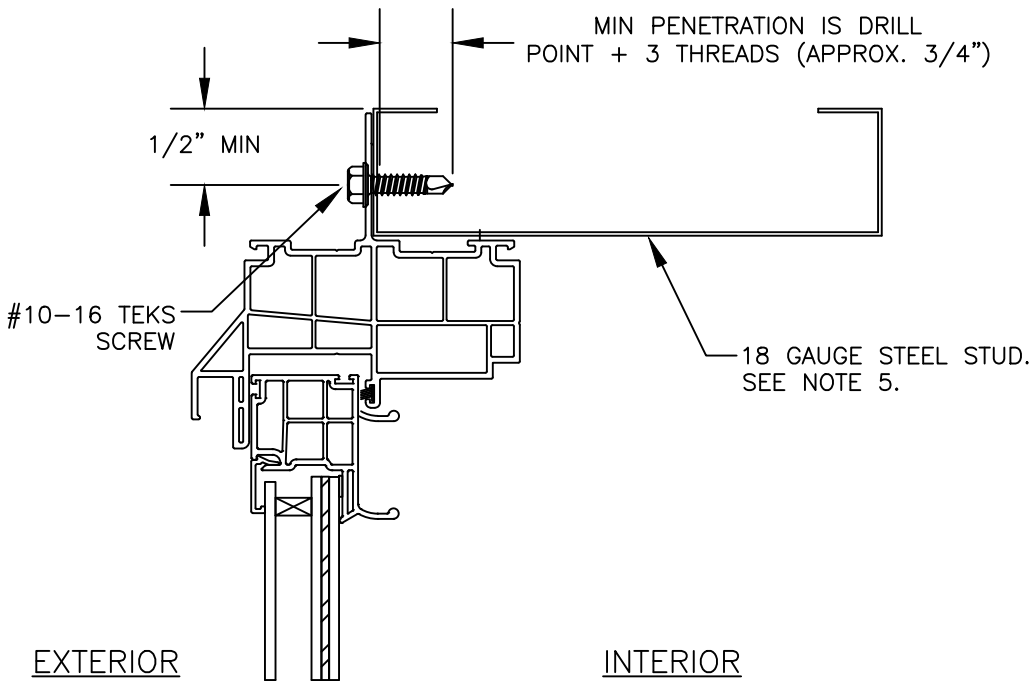
Drawing No.: 27250.02 - 1001  
Project No.: 27250.02-107-16  
Drawn By: MDS REV: 3 Date: 09/25/24

Scale: NTS

Sheet 3 of 10

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

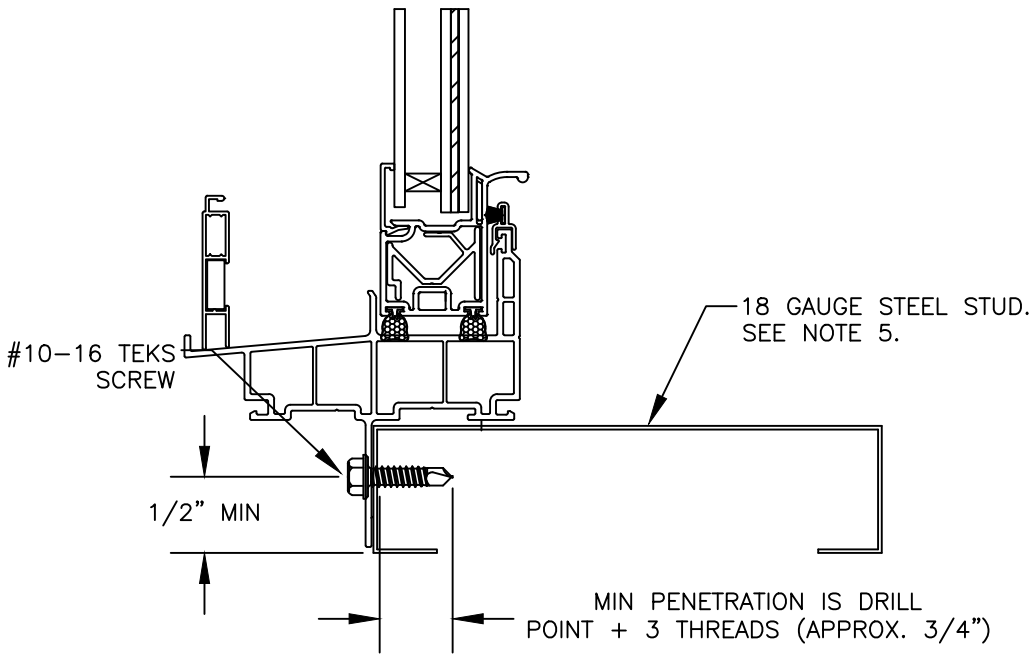
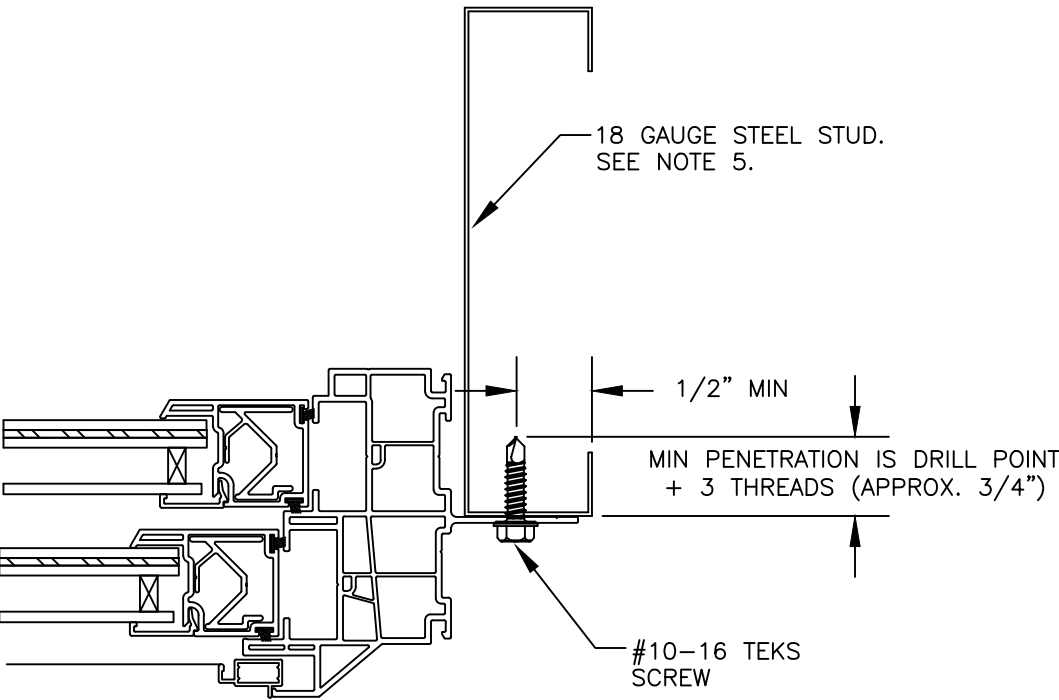
**HEAD**



INTERIOR

EXTERIOR

**JAMB**



**SILL**

This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

**1650i PVC DH Window - Impact**  
Fin Installation to Steel Stud

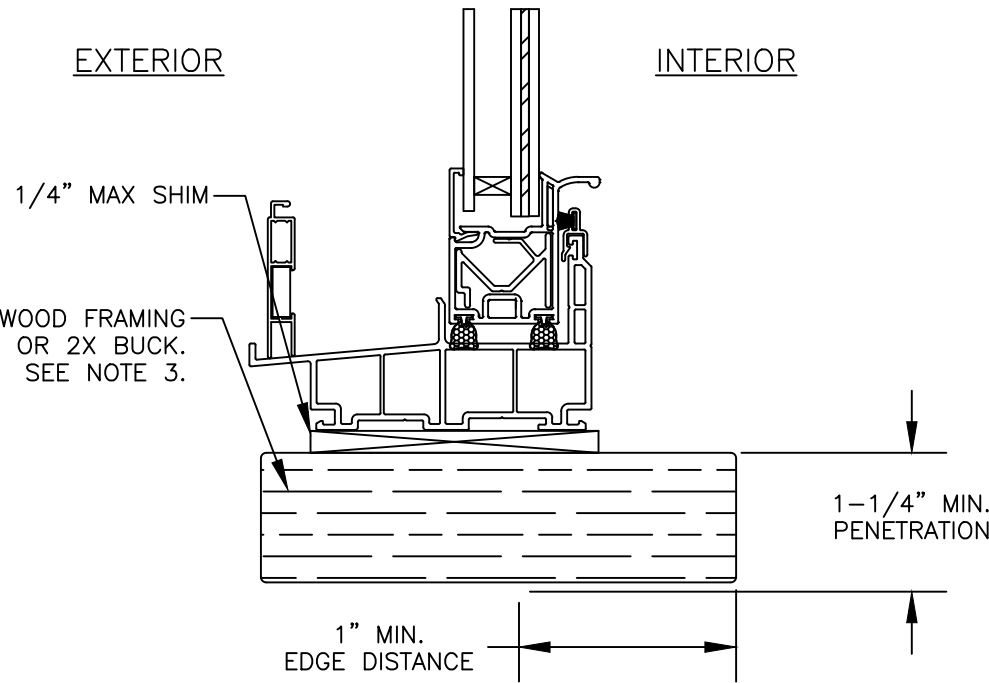
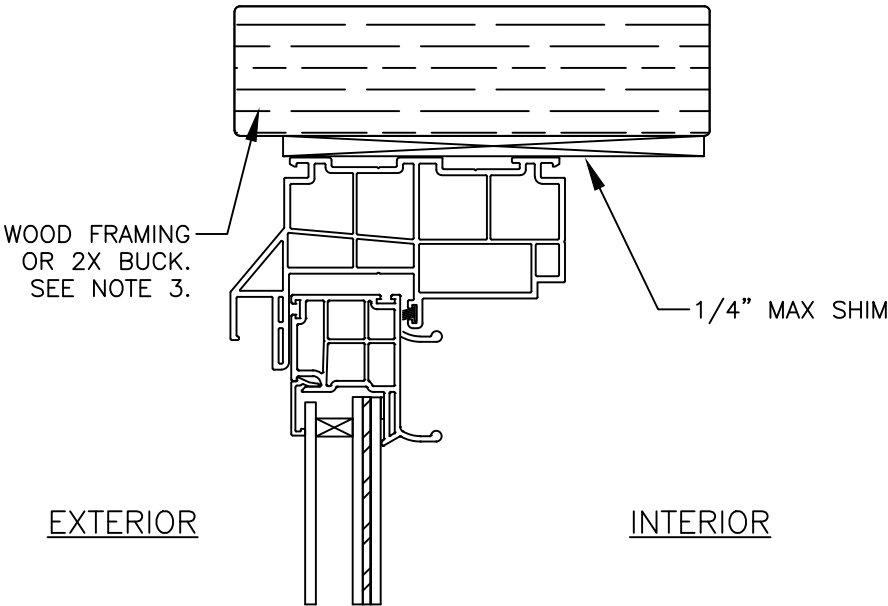
**MI Windows and Doors**  
702 W. Market St.  
Gratz, PA 17030

Drawing No.: 27250.02 - 1001  
Project No.: 27250.02-107-16  
Drawn By: MDS REV: 3 Date: 09/25/24

Scale: NTS

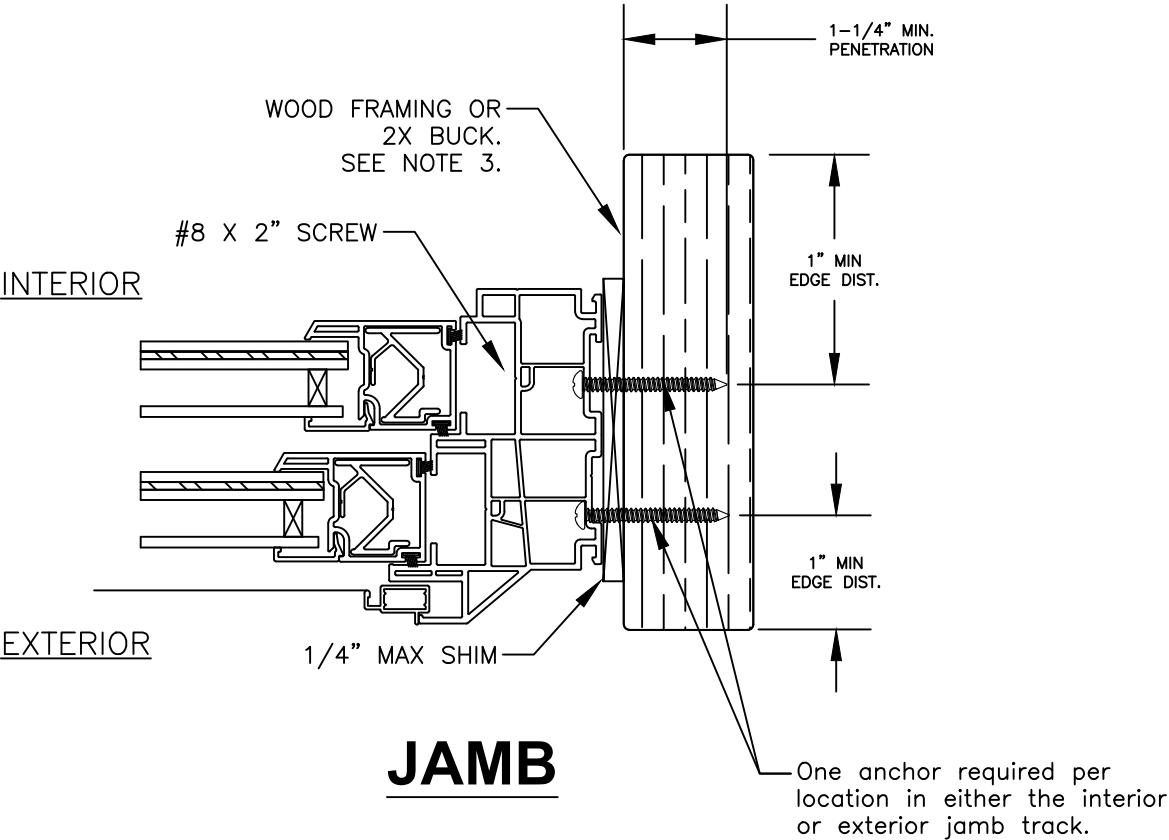
Sheet 4 of 10

HEAD



SILL

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



This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

1650i PVC DH Window - Impact  
Frame Installation to Wood

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

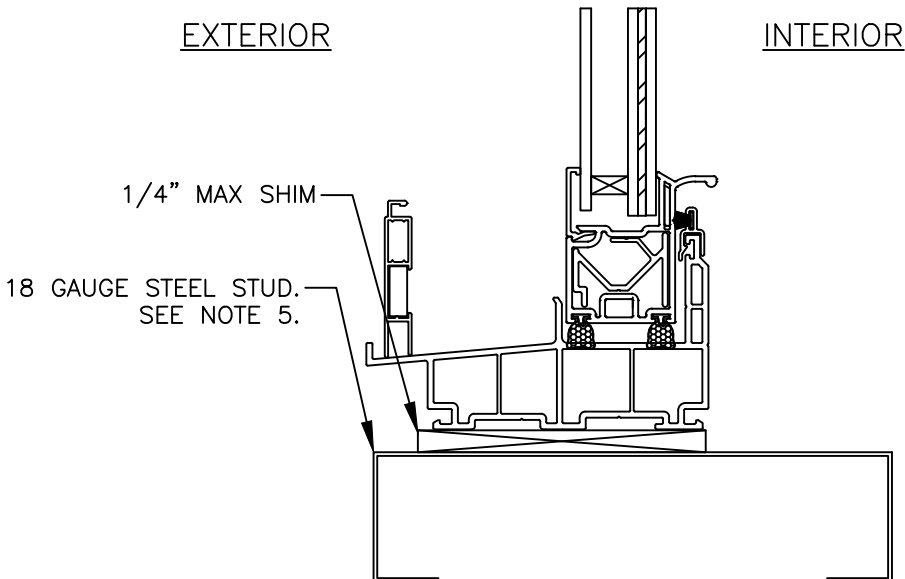
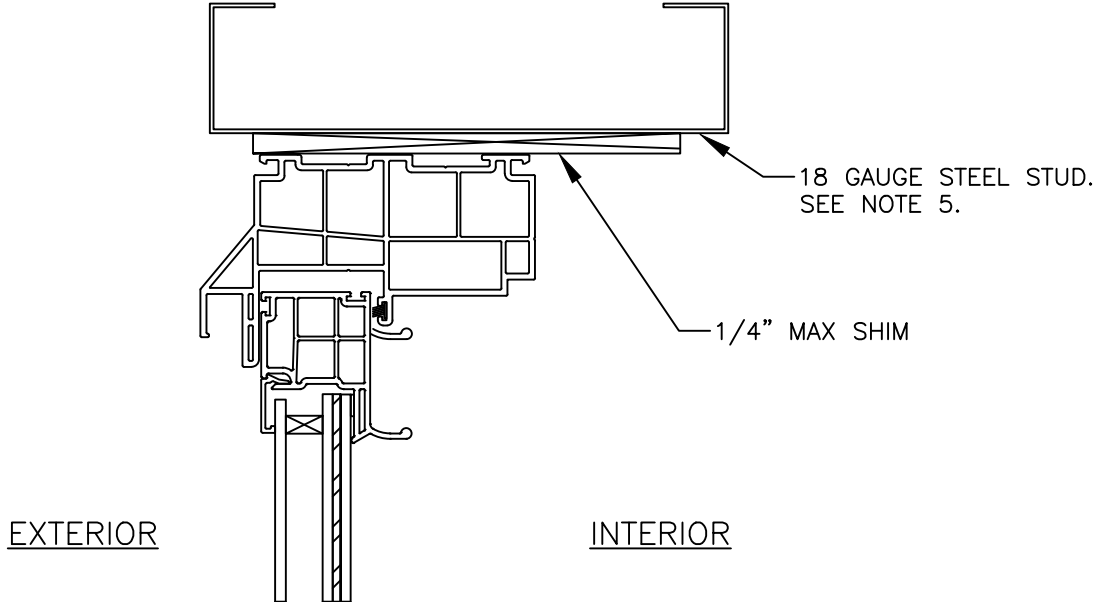
Drawing No.: 27250.02 - 1001  
Project No.: 27250.02-107-16  
Drawn By: MDS REV: 3 Date: 09/25/24

Scale: NTS

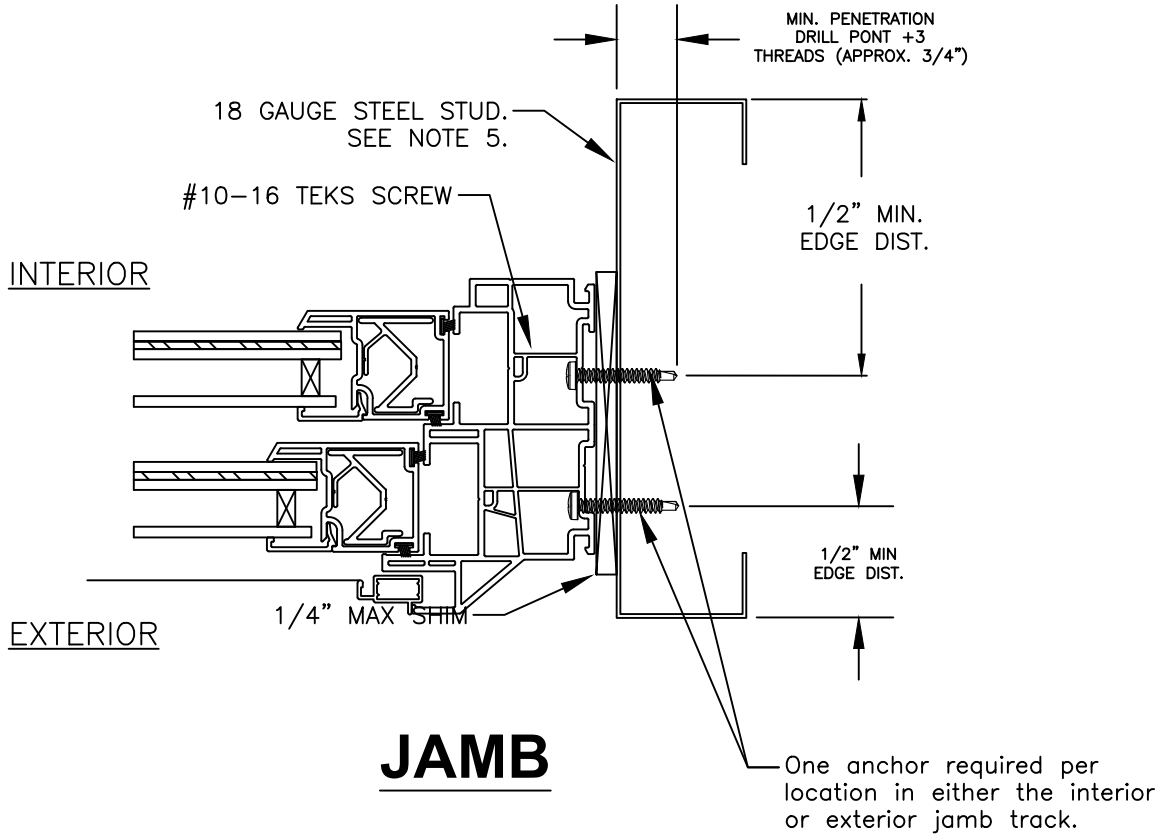
Sheet 5 of 10

# HEAD

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



# SILL



This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00"

Phil O. Starn

## 1650i PVC DH Window - Impact Frame Installation to Steel Stud

## MI Windows and Doors

702 W. Market St.

Gratz, PA 17030

Drawing No.: 27250.02 - 1001

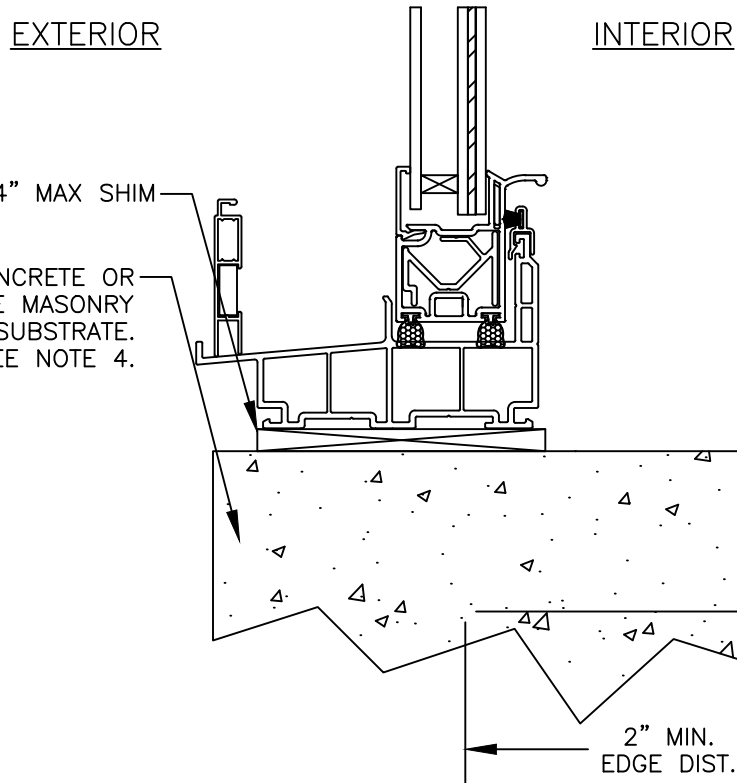
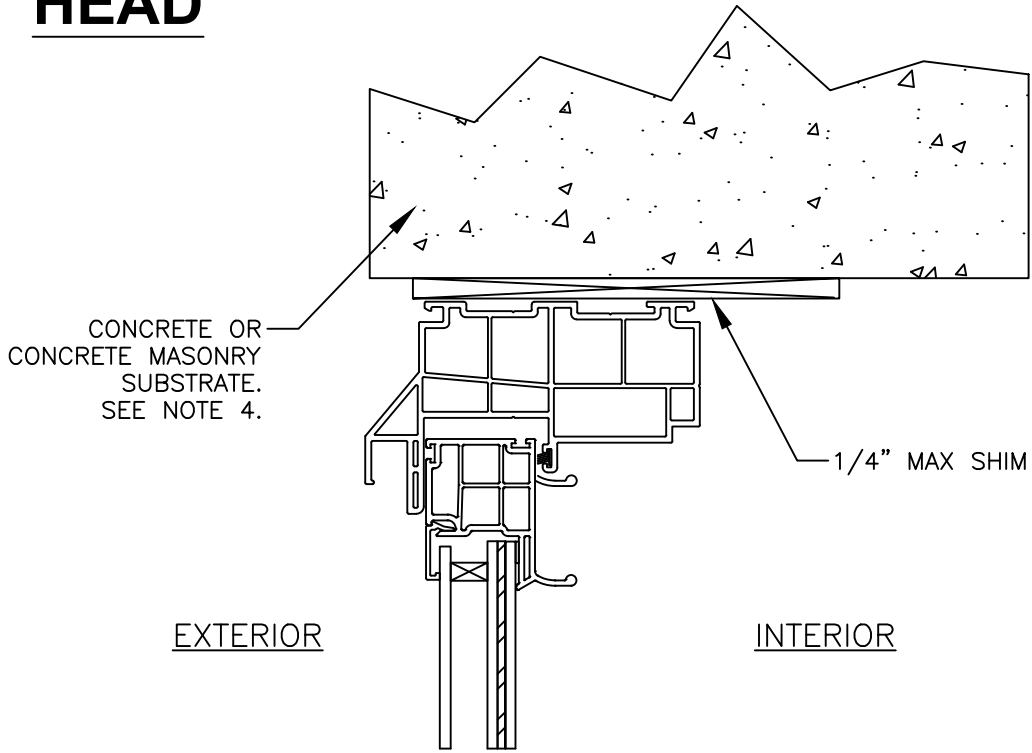
Project No.: 27250.02-107-16

Drawn By: MDS    REV: 3    Date: 09/25/24

Scale: NTS

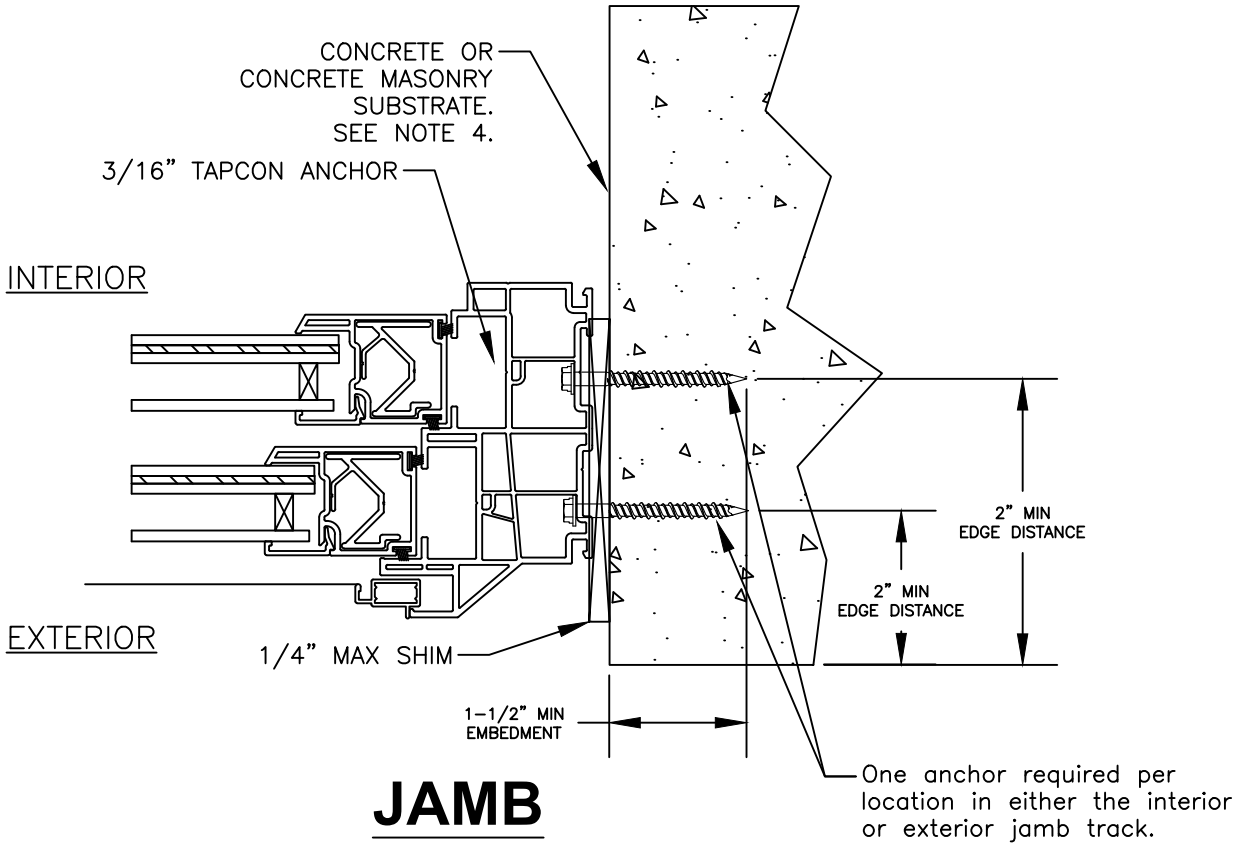
Sheet 6 of 10

HEAD



SILL

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



JAMB

This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300

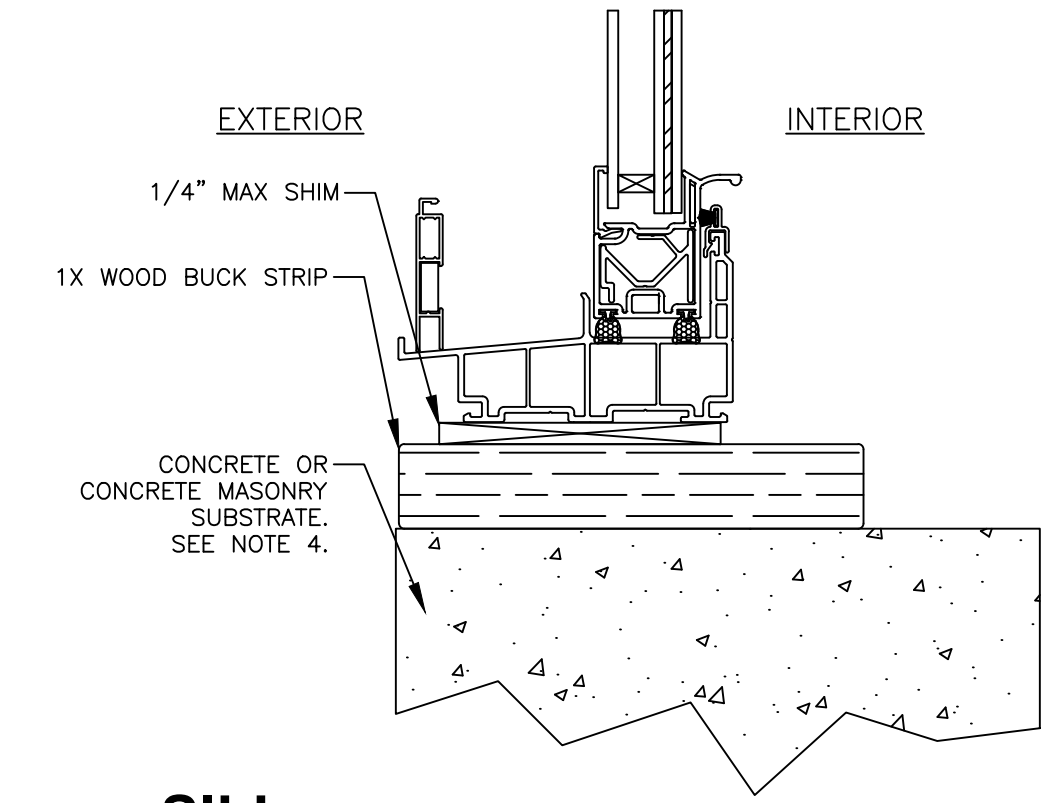
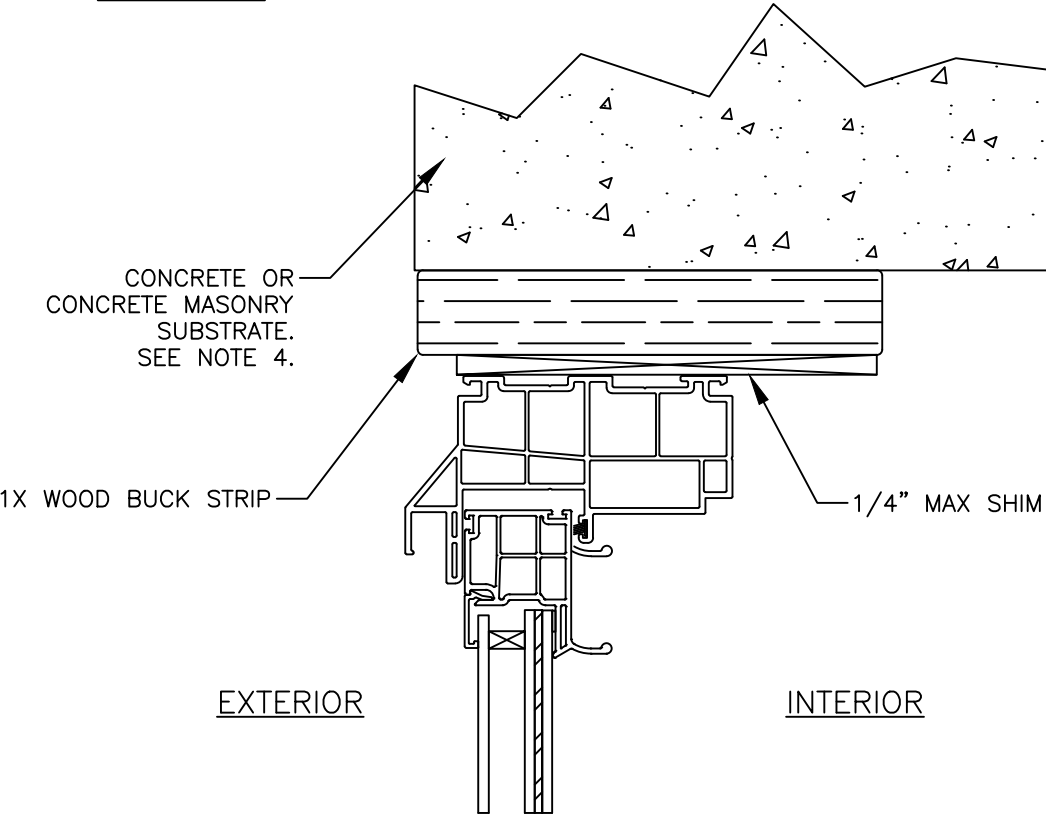


2024.09.25 06:45:45 -04'00'

*Michael D. Stremmel*

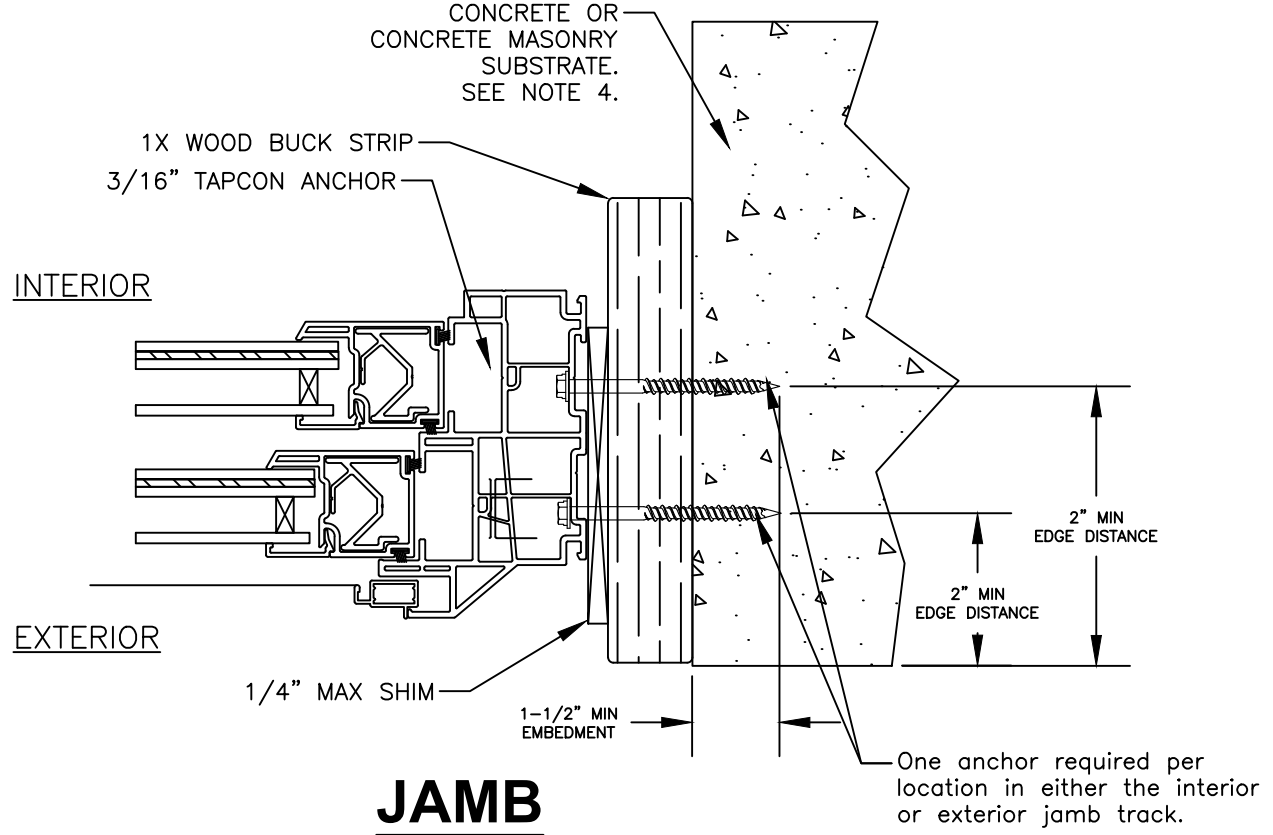
|                                                                                                     |               |
|-----------------------------------------------------------------------------------------------------|---------------|
| <b>1650i PVC DH Window - Impact</b><br>Frame Installation to Concrete/CMU                           |               |
| <b>MI Windows and Doors</b><br>702 W. Market St.<br>Gratz, PA 17030                                 |               |
| Drawing No.: 27250.02 - 1001<br>Project No.: 27250.02-107-16<br>Drawn By: MDS REV: 3 Date: 09/25/24 |               |
| Scale: NTS                                                                                          | Sheet 7 of 10 |

HEAD



SILL

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



JAMB

This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

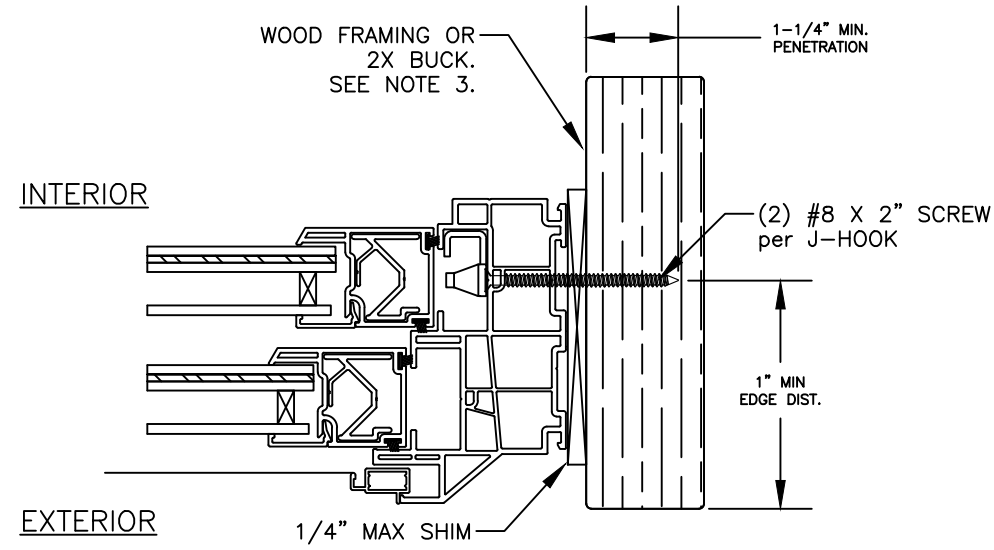
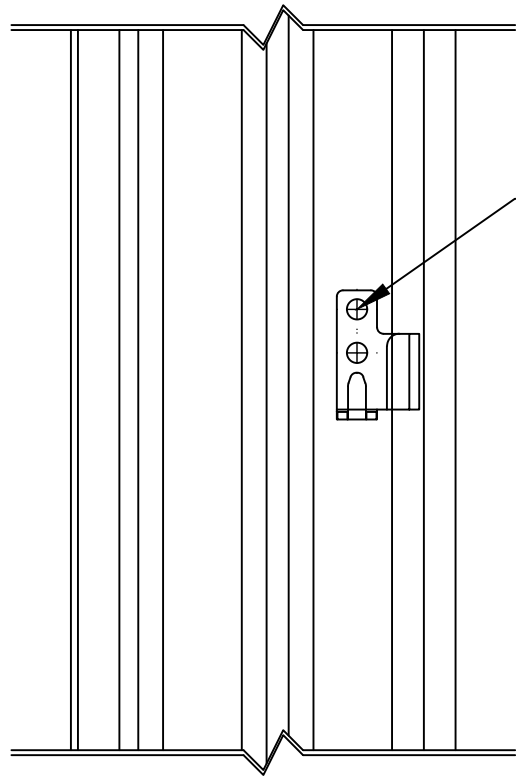
Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

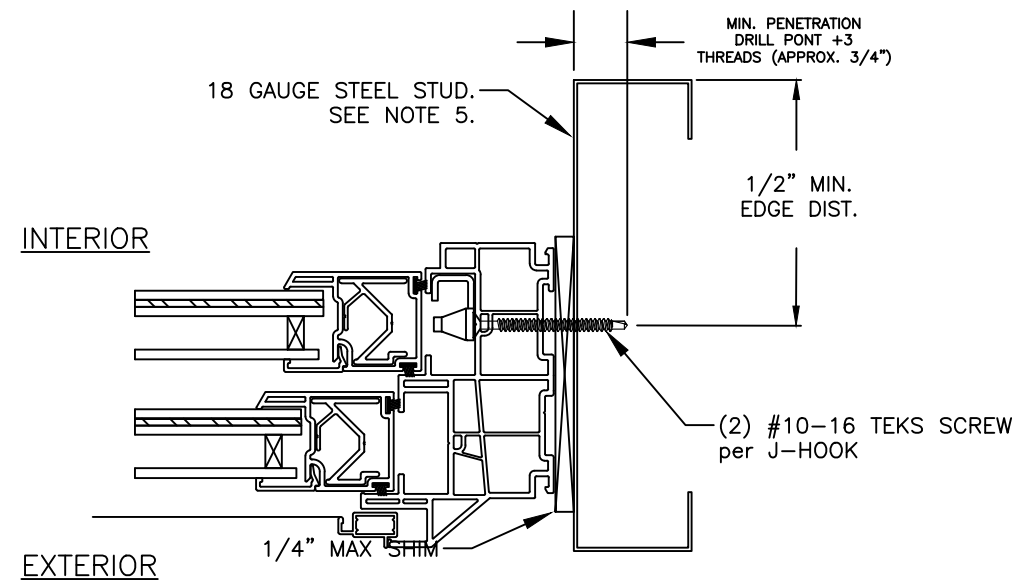
*Michael D. Stremmel*

|                                                                                                     |               |
|-----------------------------------------------------------------------------------------------------|---------------|
| 1650i PVC DH Window - Impact<br>Frame Installation to Concrete/CMU                                  |               |
| MI Windows and Doors<br>702 W. Market St.<br>Gratz, PA 17030                                        |               |
| Drawing No.: 27250.02 - 1001<br>Project No.: 27250.02-107-16<br>Drawn By: MDS REV: 3 Date: 09/25/24 |               |
| Scale: NTS                                                                                          | Sheet 8 of 10 |



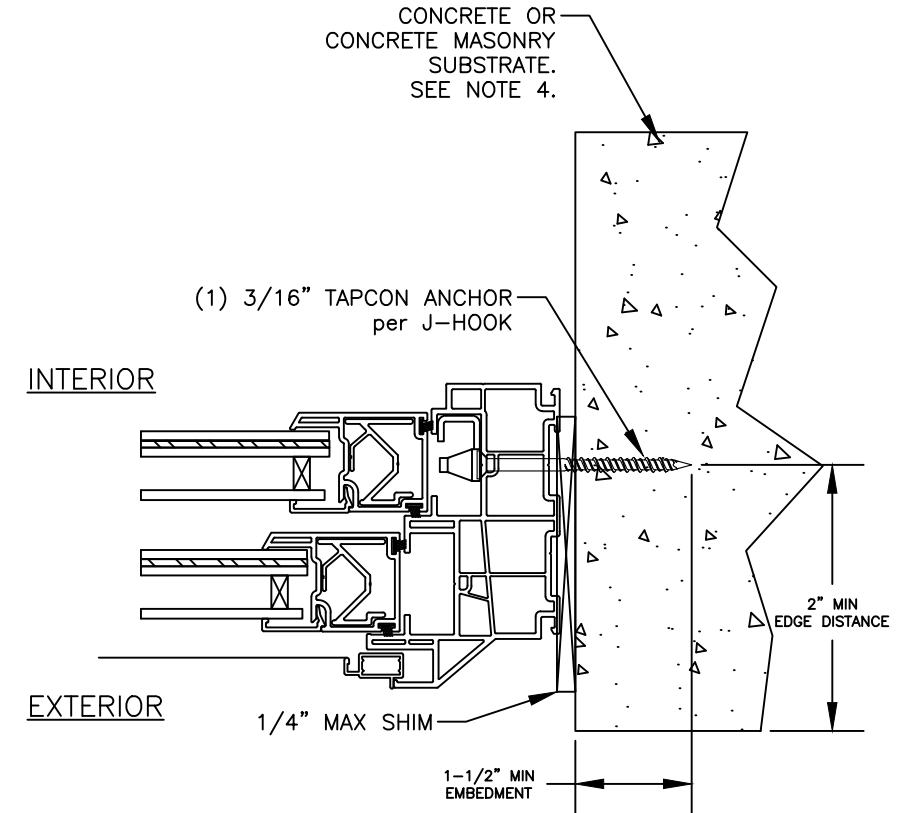
## J-HOOK INSTALLATION DETAIL

WOOD FRAMING OR 2X BUCK INSTALLATION



## J-HOOK INSTALLATION DETAIL

METAL FRAMING INSTALLATION



## J-HOOK INSTALLATION DETAIL

CONCRETE/MASONRY WITH OR WITHOUT  
1X BUCK INSTALLATION

This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

*Michael D. Stremmel*

**1650i PVC DH Window - Impact**  
J-Hook Installation Details

**MI Windows and Doors**

702 W. Market St.  
Gratz, PA 17030

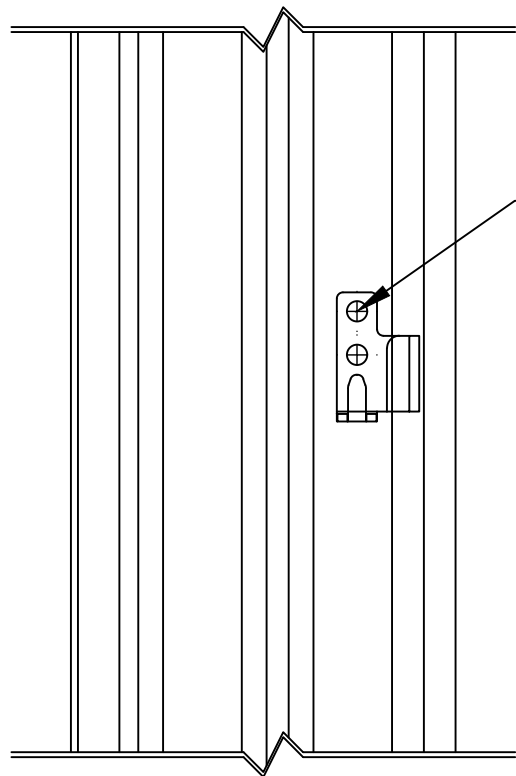
Drawing No.: 27250.02 - 1001

Project No.: 27250.02-107-16

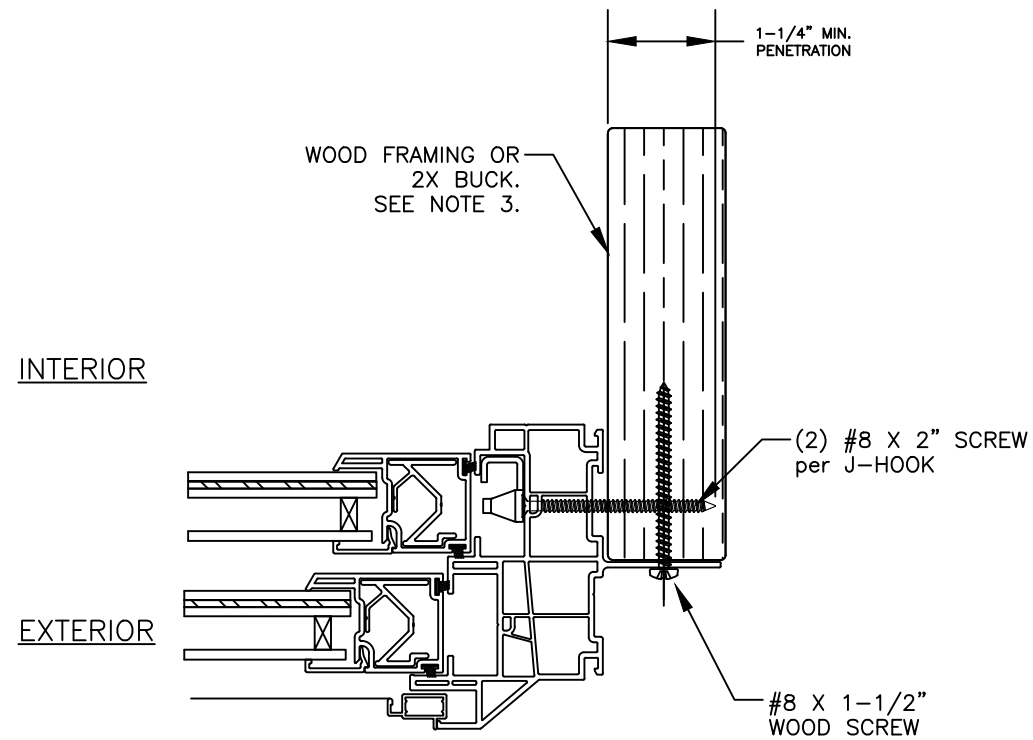
Drawn By: MDS REV: 3 Date: 09/25/24

Scale: NTS

Sheet 9 of 10

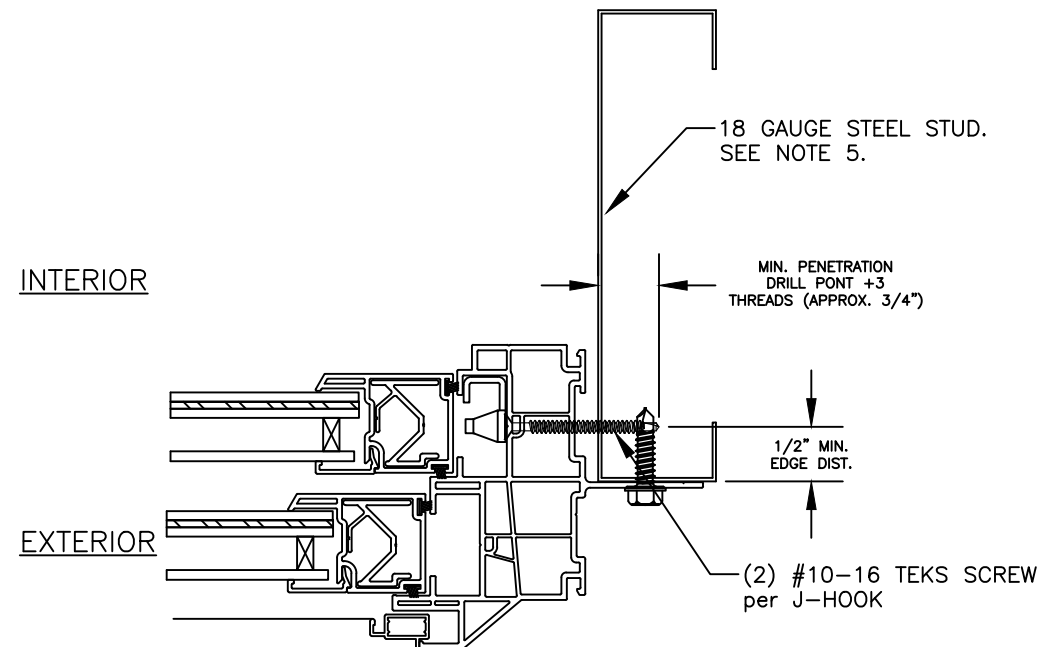


(2) #8 SCREW  
(1) TAPCON  
SEE INSTALLATION DETAILS  
ON THIS SHEET



## J-HOOK INSTALLATION DETAIL

WOOD FRAMING OR 2X BUCK INSTALLATION



## J-HOOK INSTALLATION DETAIL

METAL FRAMING INSTALLATION

This item has been digitally signed and sealed by Michael D. Stremmel, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Michael D. Stremmel, PE  
FL PE 65868  
FL REG 37122  
1410 Eden Road  
York, PA 17402  
717-916-6300



2024.09.25 06:45:45 -04'00'

*Michael D. Stremmel*

**1650i PVC DH Window - Impact**  
J-Hook Installation Details

**MI Windows and Doors**

702 W. Market St.  
Gratz, PA 17030

Drawing No.: 27250.02 - 1001  
Project No.: 27250.02-107-16  
Drawn By: MDS REV: 3 Date: 09/25/24

Scale: NTS

Sheet 10 of 10