

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

CONTENTS:

Sheets 1-3	Elevations and Notes
Sheet 4	Fin Install to Wood
Sheet 5	Fin Install to Steel Stud
Sheet 6	Finless Install to Wood
Sheet 7	Finless Install to Steel Stud
Sheets 8-9	Finless Install to Concrete or CMU
Sheet 10	Installation Accessories

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.

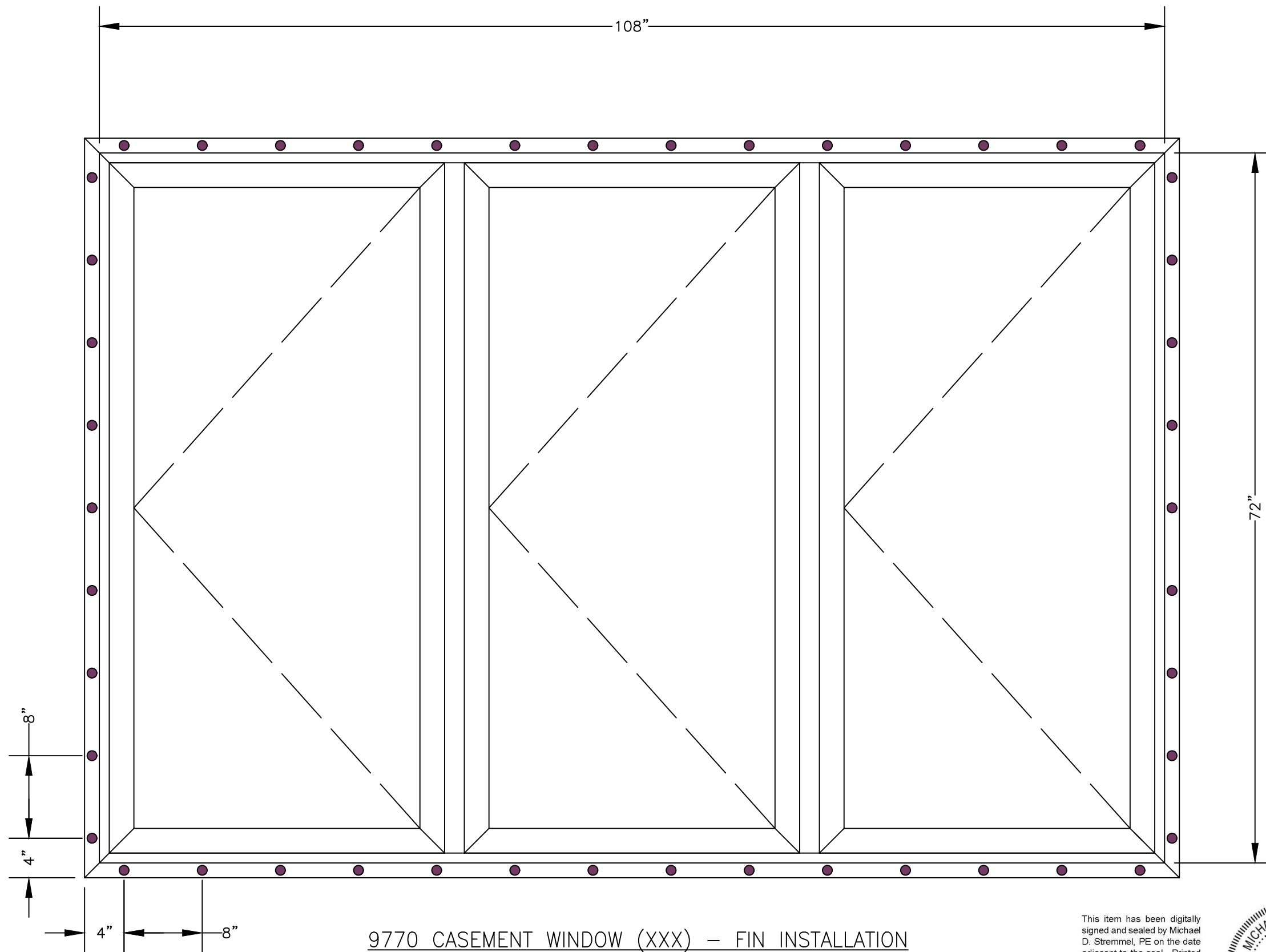
Michael D. Stremmel, PE
FL PE 65868
FL REG 37122
1410 Eden Road
York, PA 17402
717-916-6300



2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

9770 Casement - non Impact Elevations and Notes	
MI Windows and Doors 702 W. Market St. Gratz, PA 17030	
Drawing No.: 27488.07-1001 Project No.: 27488.07-107-16 Drawn By: MDS Rev: - Date: 12/11/23	
Scale: NTS	Sheet 1 of 10



9770 CASEMENT WINDOW (XXX) – FIN INSTALLATION
MAXIMUM SIZE 108" X 72"
DESIGN PRESSURE +50/-50 PSF

● FIN ANCHOR
SEE SHEETS 4 TO 5

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



2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

9770 Casement - non Impact
Elevations and Notes

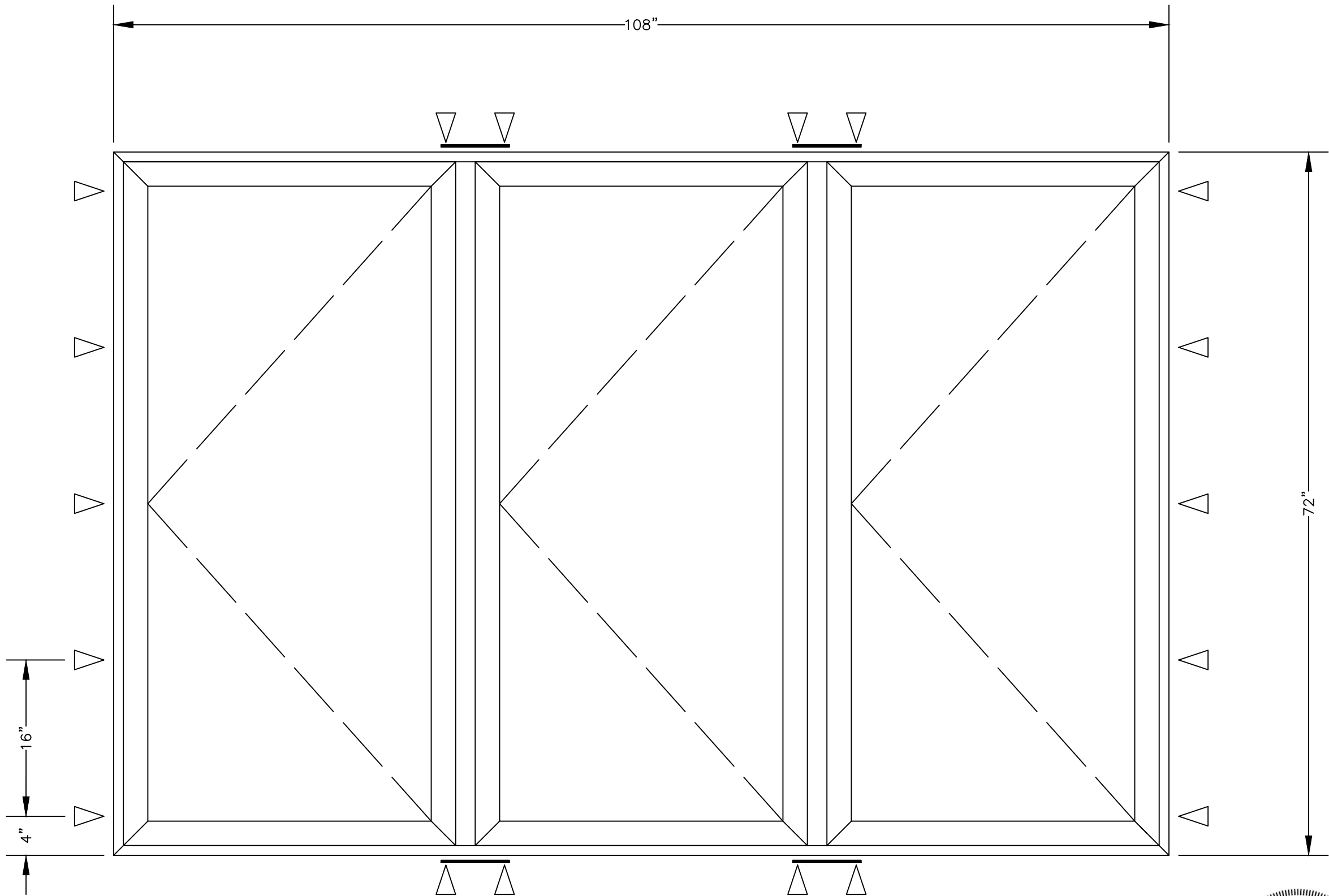
MI Windows and Doors

702 W. Market St.
Gratz, PA 17030

Drawing No.: 27488.07-1001
Project No.: 27488.07-107-16
Drawn By: MDS Rev: - Date: 12/11/23

Scale: NTS

Sheet 2 of 10



9770 CASEMENT WINDOW (XXX) – FINLESS INSTALLATION
MAXIMUM SIZE 108" X 72"
DESIGN PRESSURE +45/-40 PSF

▽ FRAME ANCHOR
SEE SHEETS 6 TO 9

ANCHOR PLATE
SEE SHEETS 6 TO 9

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

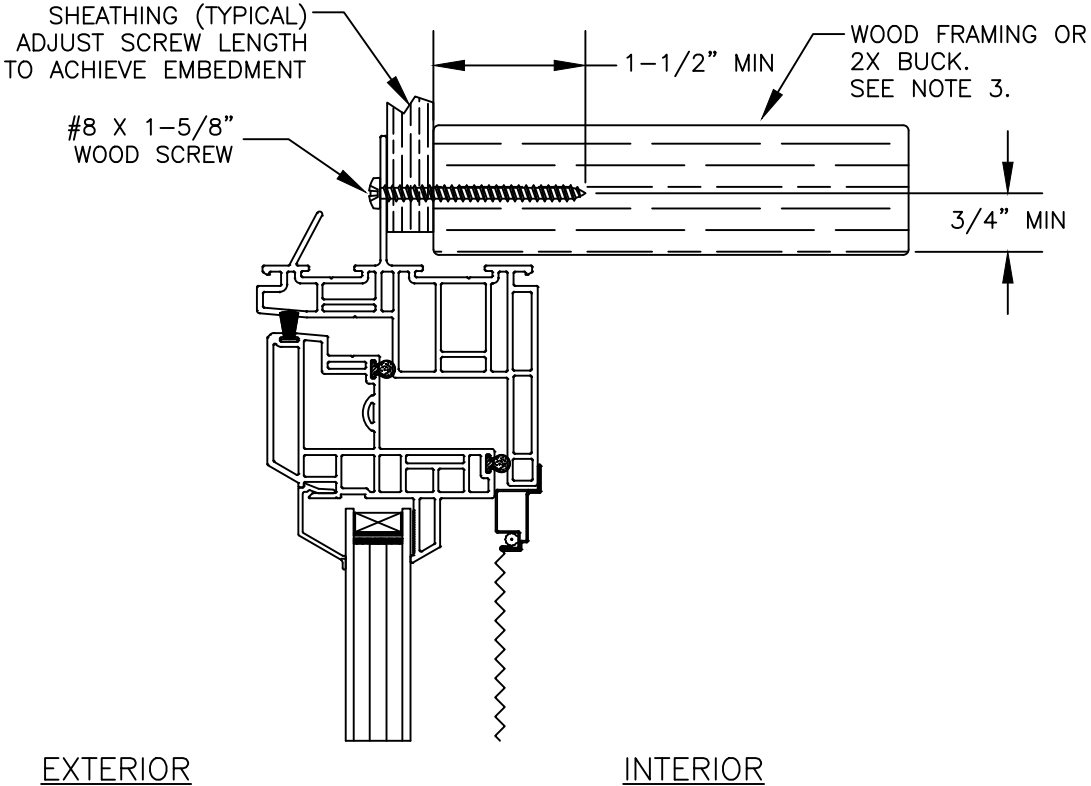


2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

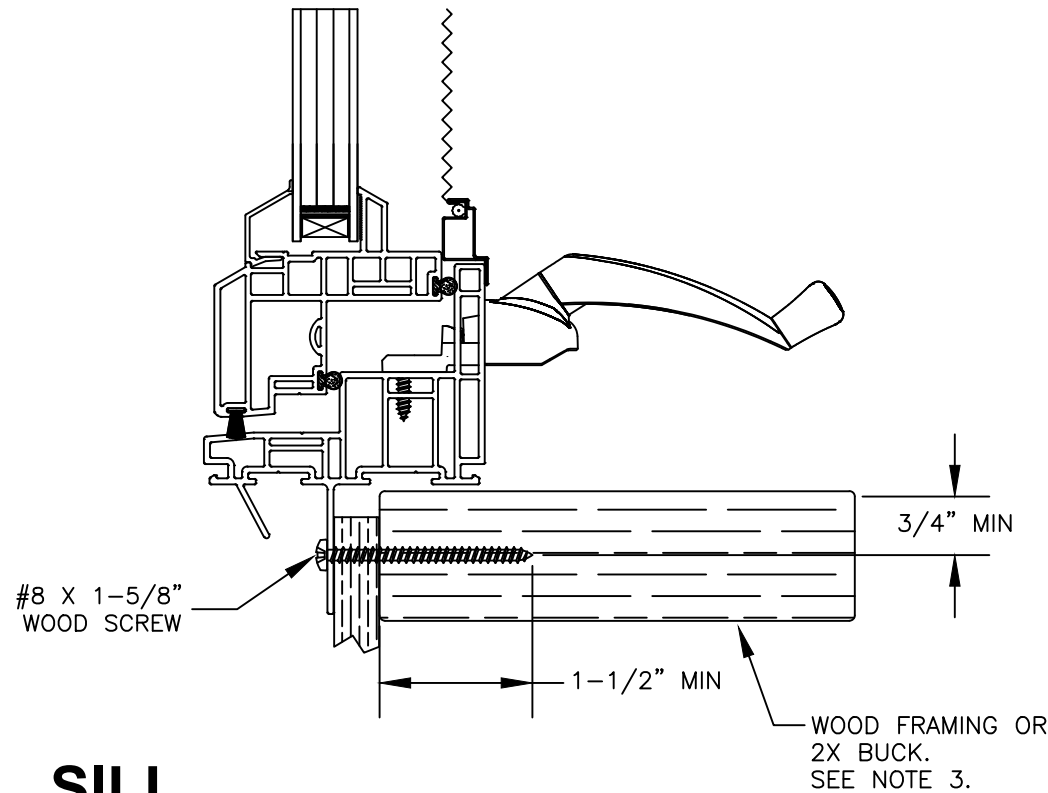
9770 Casement - non Impact Elevations and Notes	
MI Windows and Doors 702 W. Market St. Gratz, PA 17030	
Drawing No.: 27488.07-1001 Project No.: 27488.07-107-16 Drawn By: MDS Rev: - Date: 12/11/23	
Scale: NTS	Sheet 3 of 10

HEAD



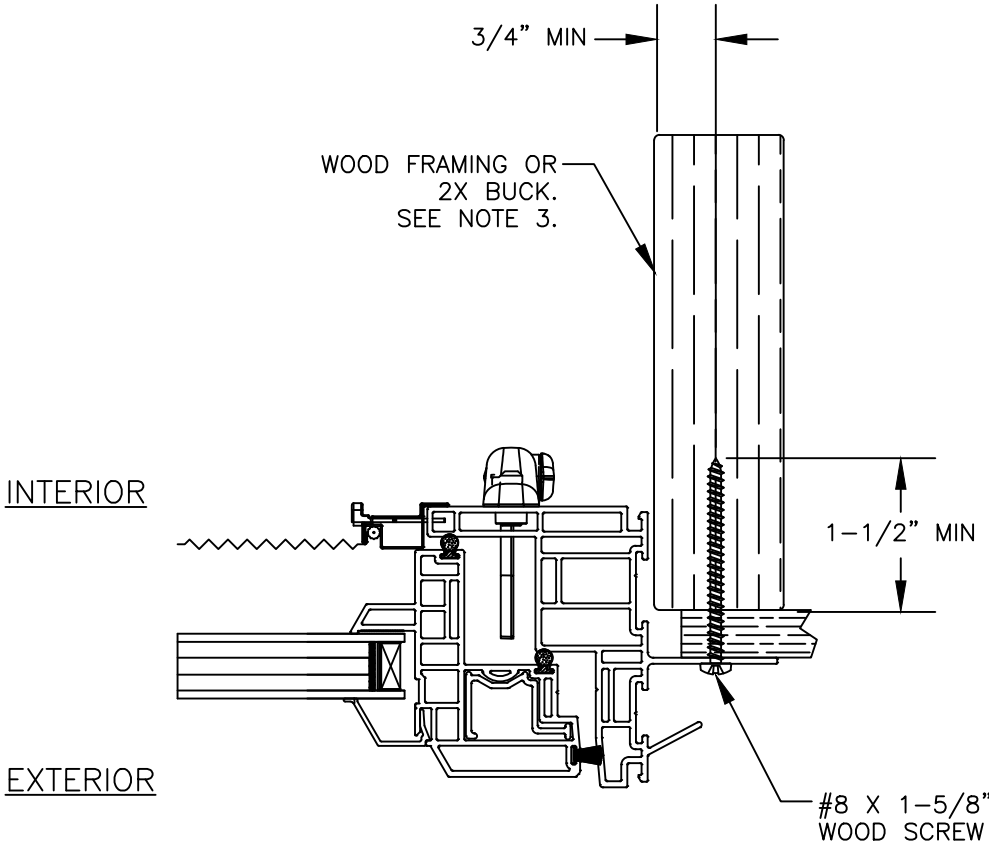
EXTERIOR

INTERIOR



SILL

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



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



2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

9770 Casement - non Impact
Fin Installation to Wood

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

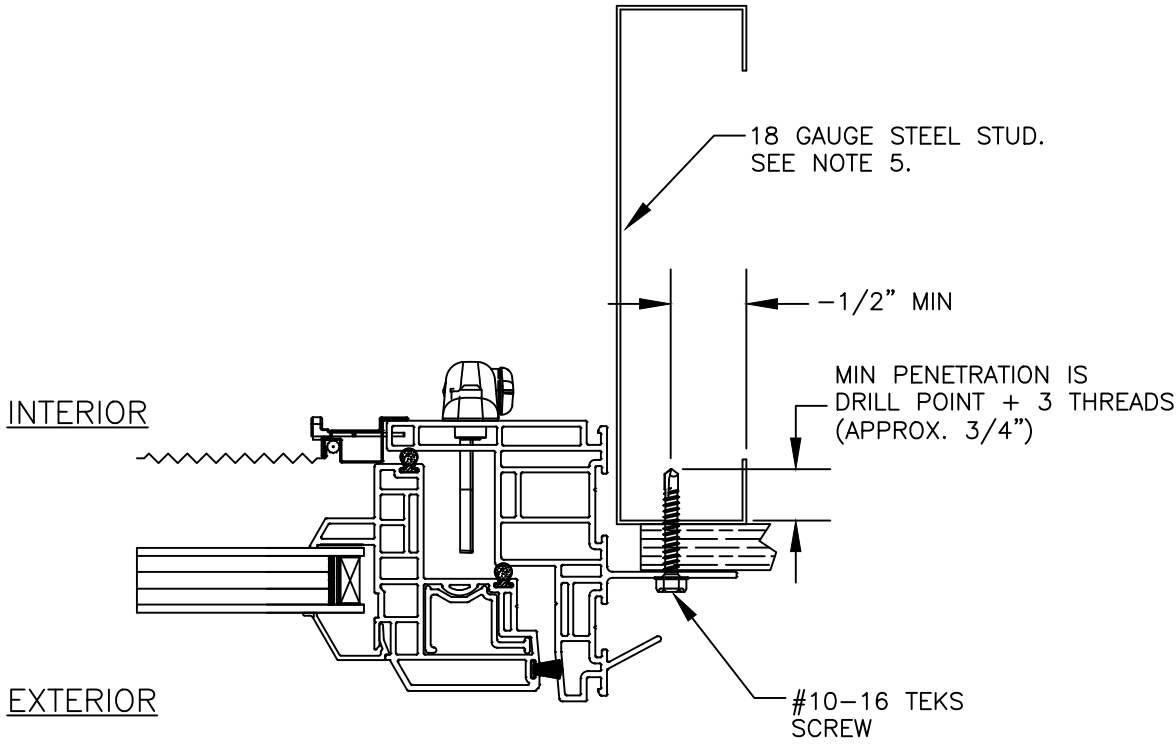
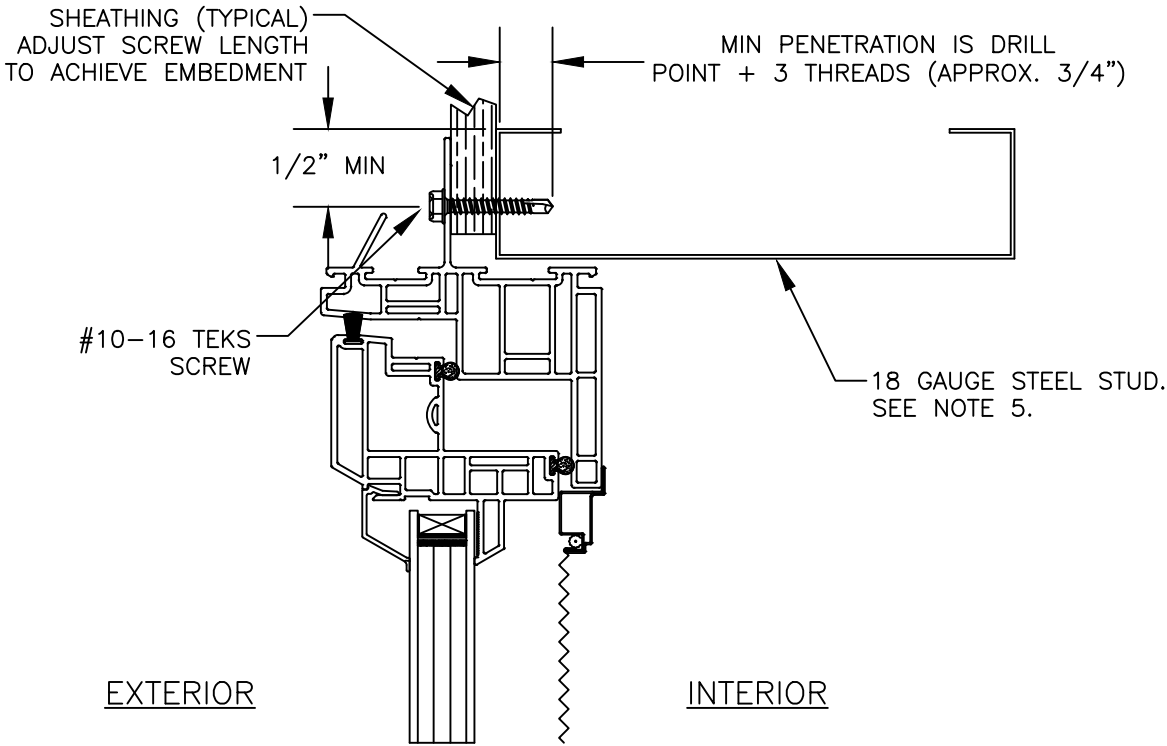
Drawing No.: 27488.07-1001
Project No.: 27488.07-107-16
Drawn By: MDS Rev: - Date: 12/11/23

Scale: NTS

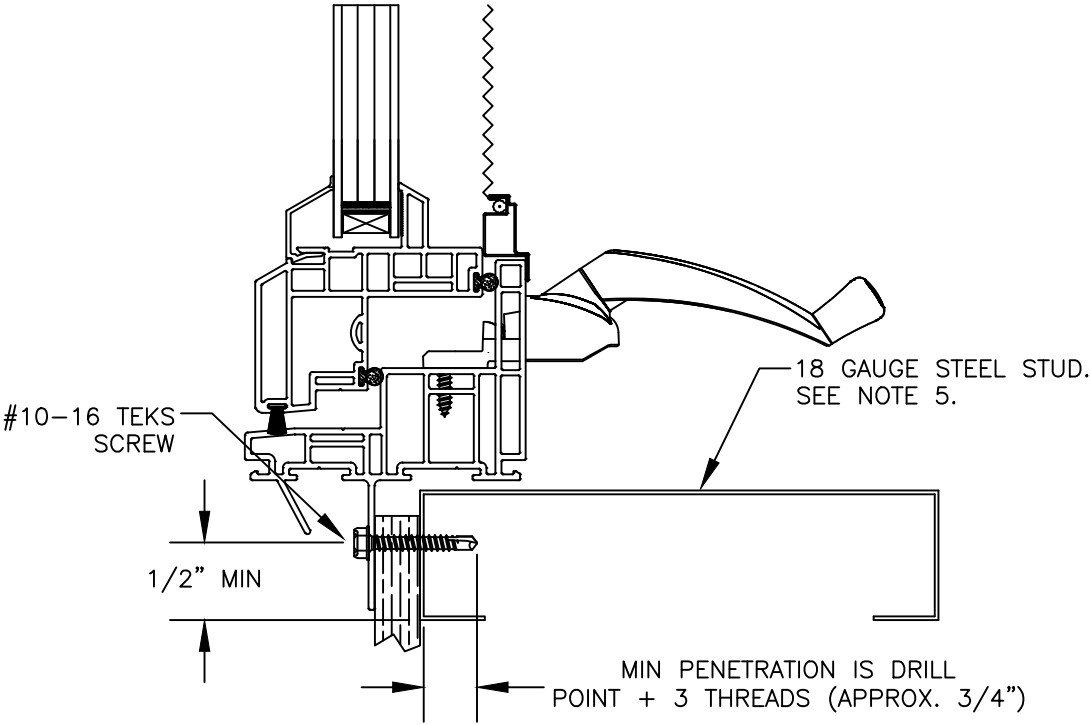
Sheet 4 of 10

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

HEAD



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

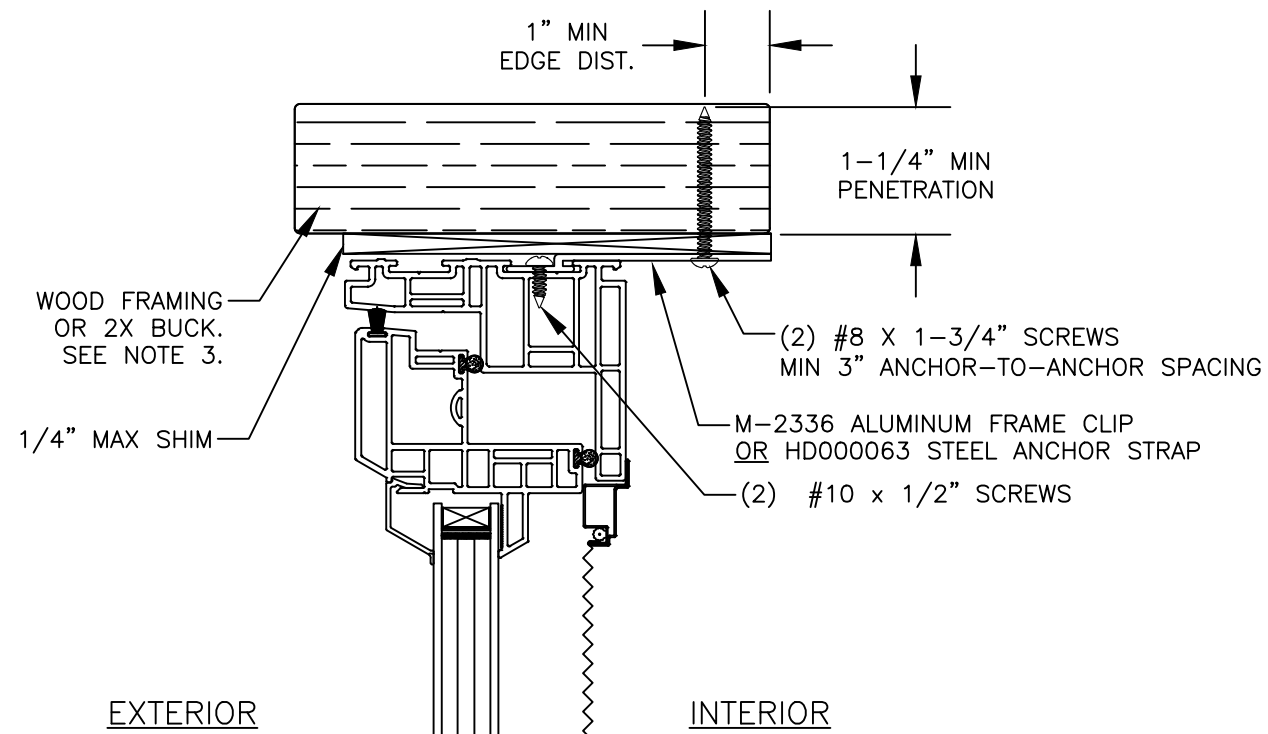


2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

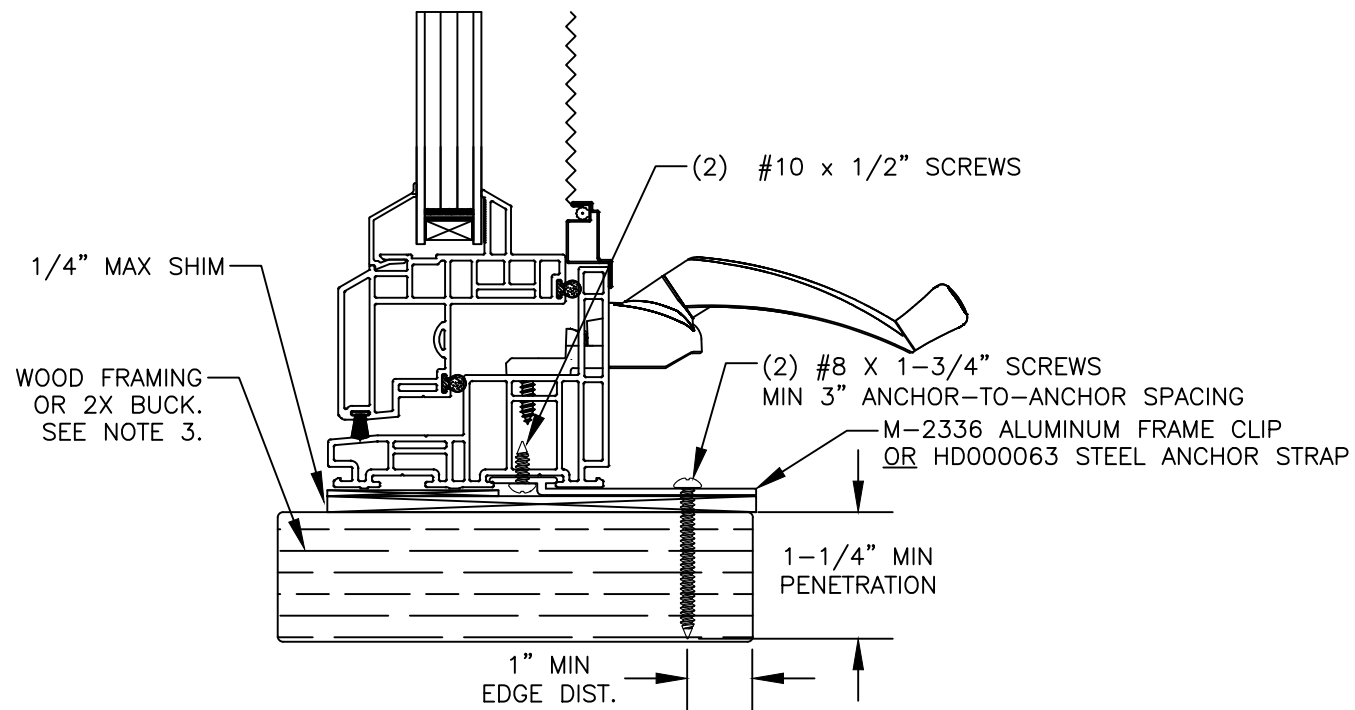
9770 Casement - non Impact Fin Installation to Steel Stud	
MI Windows and Doors 702 W. Market St. Gratz, PA 17030	
Drawing No.: 27488.07-1001 Project No.: 27488.07-107-16 Drawn By: MDS Rev: - Date: 12/11/23	
Scale: NTS	Sheet 5 of 10

HEAD

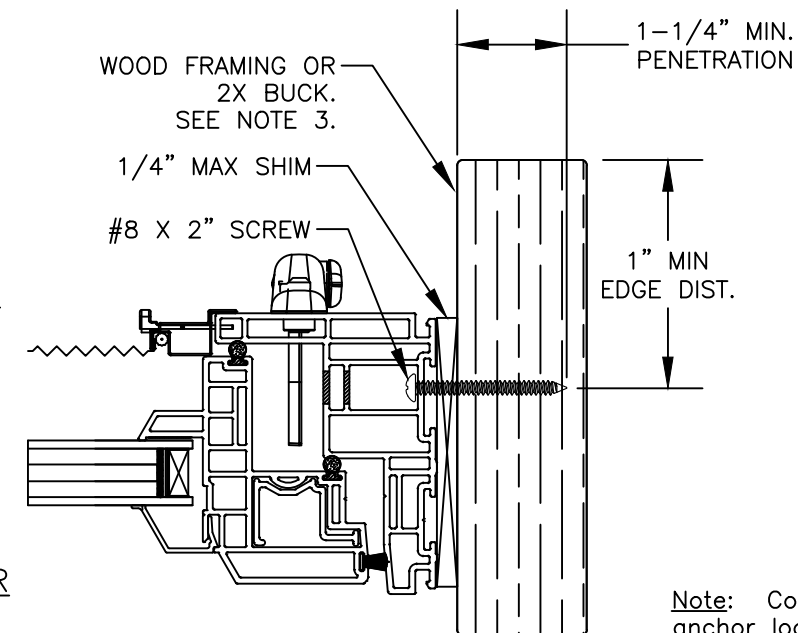


INTERIOR

EXTERIOR



SILL



JAMB

Note: Counterbore at jamb
anchor location.
3/8" access holes, 3/16"
hole at base wall.

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



2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

**9770 Casement - non Impact
Finless Installation to Wood**

MI Windows and Doors

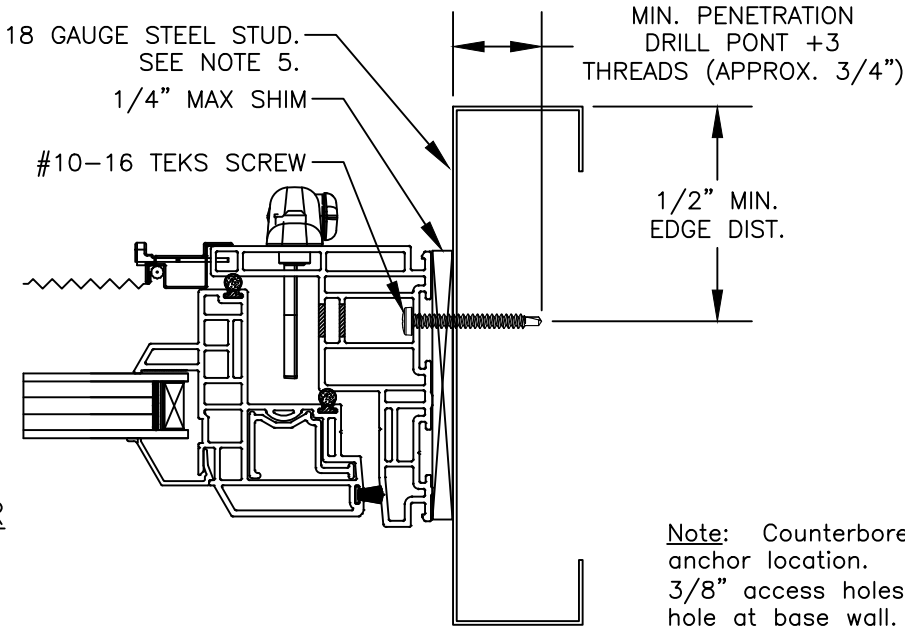
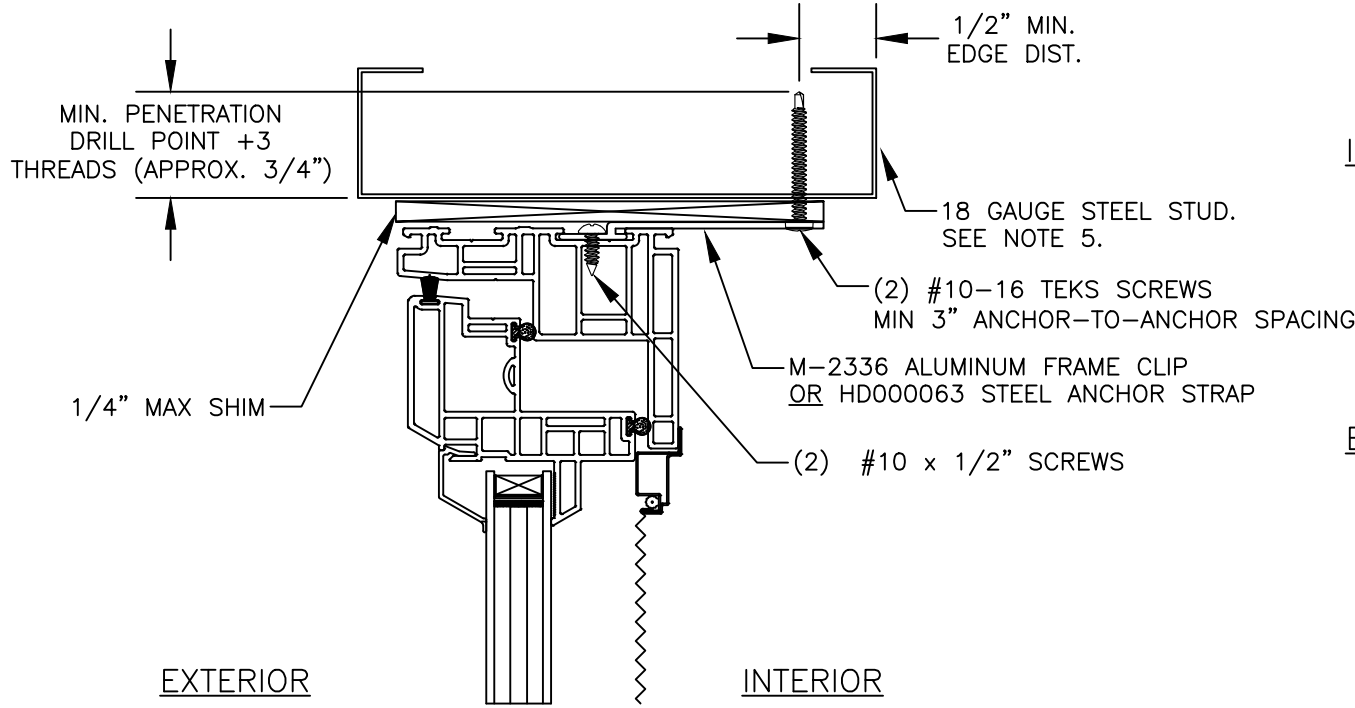
702 W. Market St.
Gratz, PA 17030

Drawing No.: 27488.07-1001
Project No.: 27488.07-107-16
Drawn By: MDS Rev: - Date: 12/11/23

Scale: NTS

Sheet 6 of 10

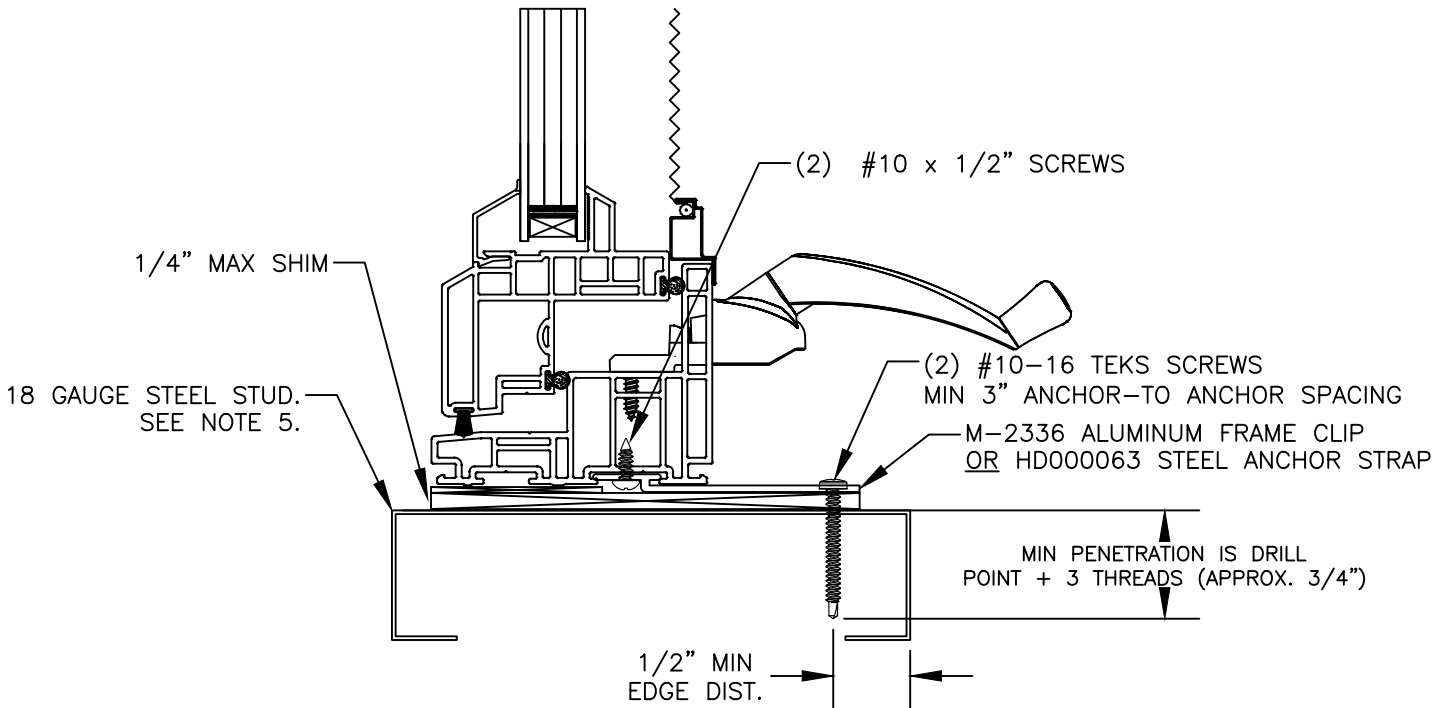
HEAD



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

JAMB

Note: Counterbore at jamb
anchor location.
3/8" access holes, 3/16"
hole at base wall.



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



2023.12.11 12:21:34 -05'00'

**9770 Casement - non Impact
Finless Installation to Steel Stud**

MI Windows and Doors

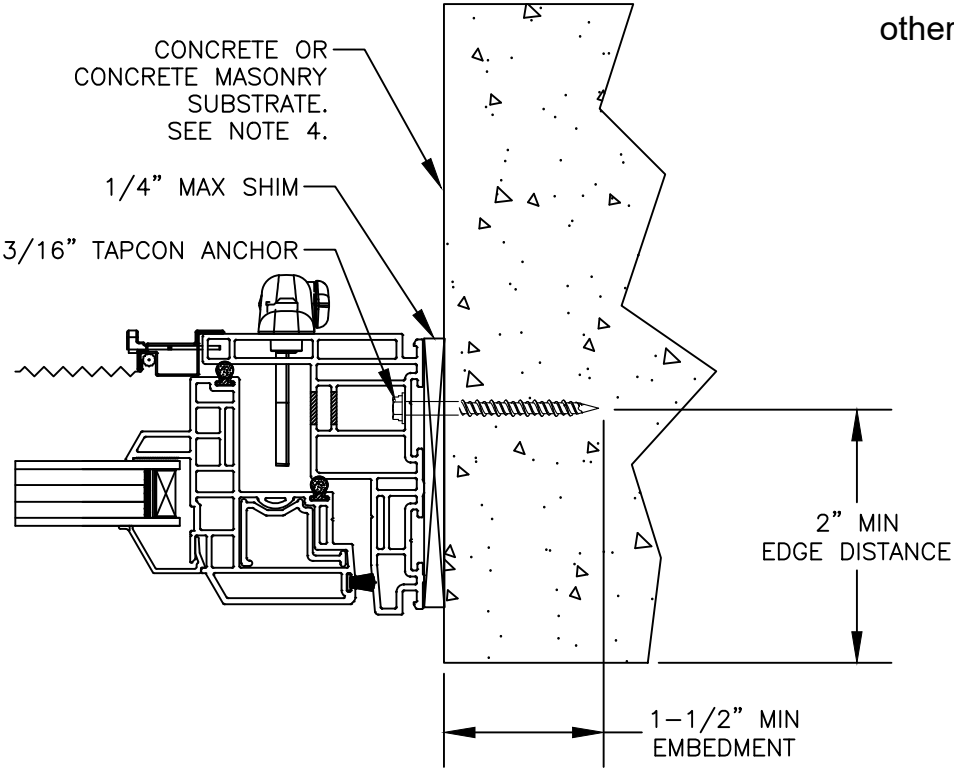
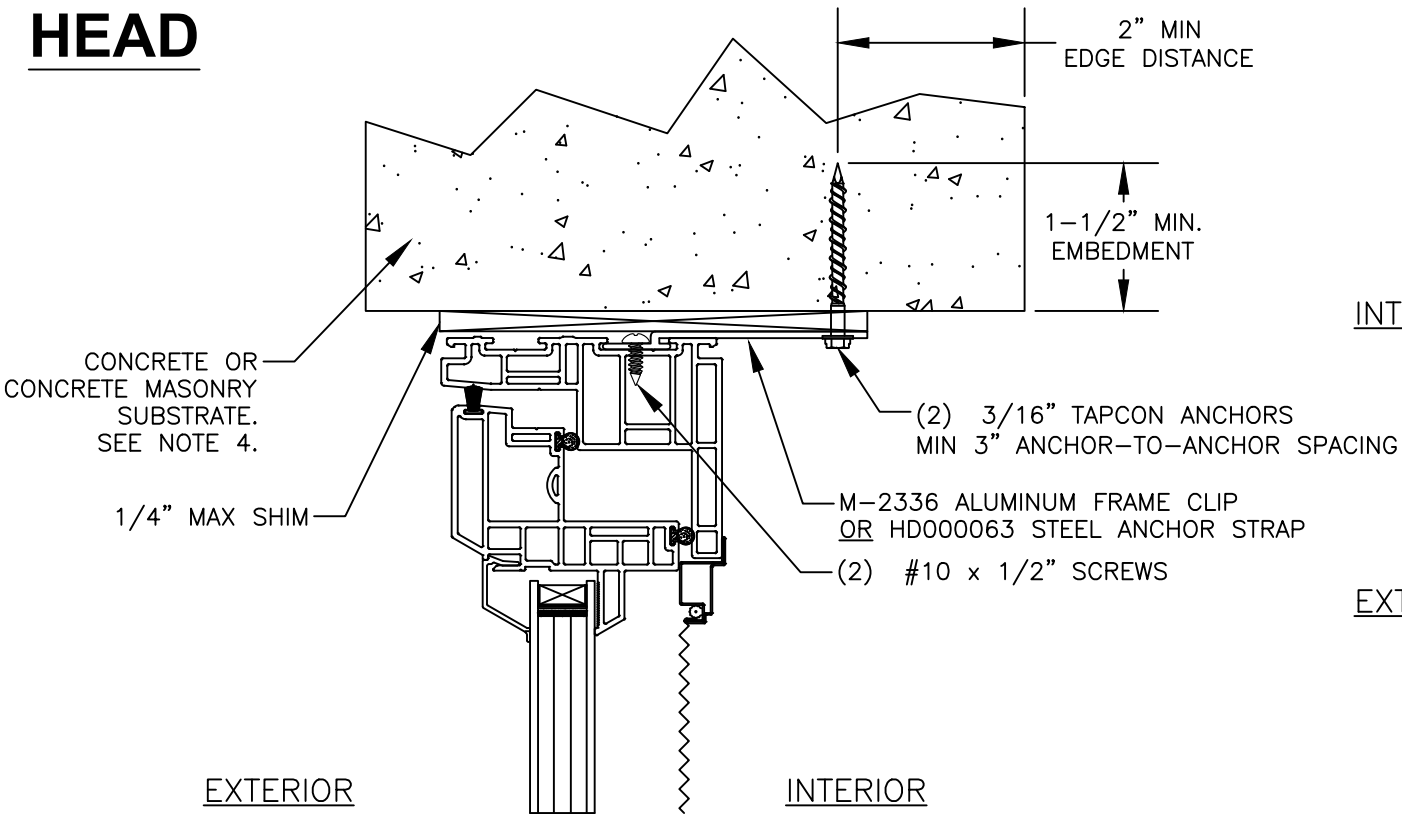
702 W. Market St.
Gratz, PA 17030

Drawing No.: 27488.07-1001
Project No.: 27488.07-107-16
Drawn By: MDS Rev: - Date: 12/11/23

Scale: NTS

Sheet 7 of 10

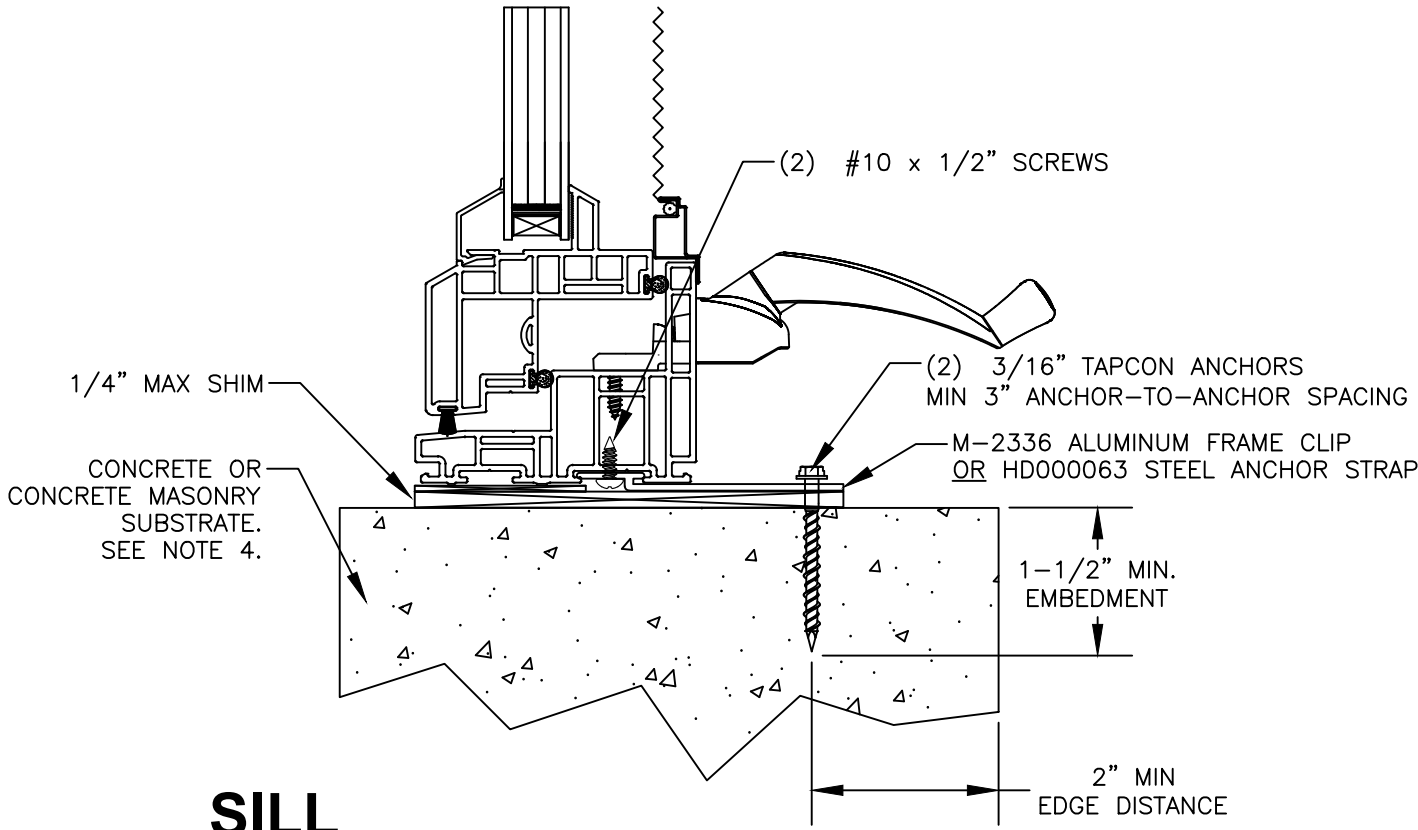
HEAD



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

Note: Counterbore at jamb anchor location.
3/8" access holes, 3/16" hole at base wall.

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

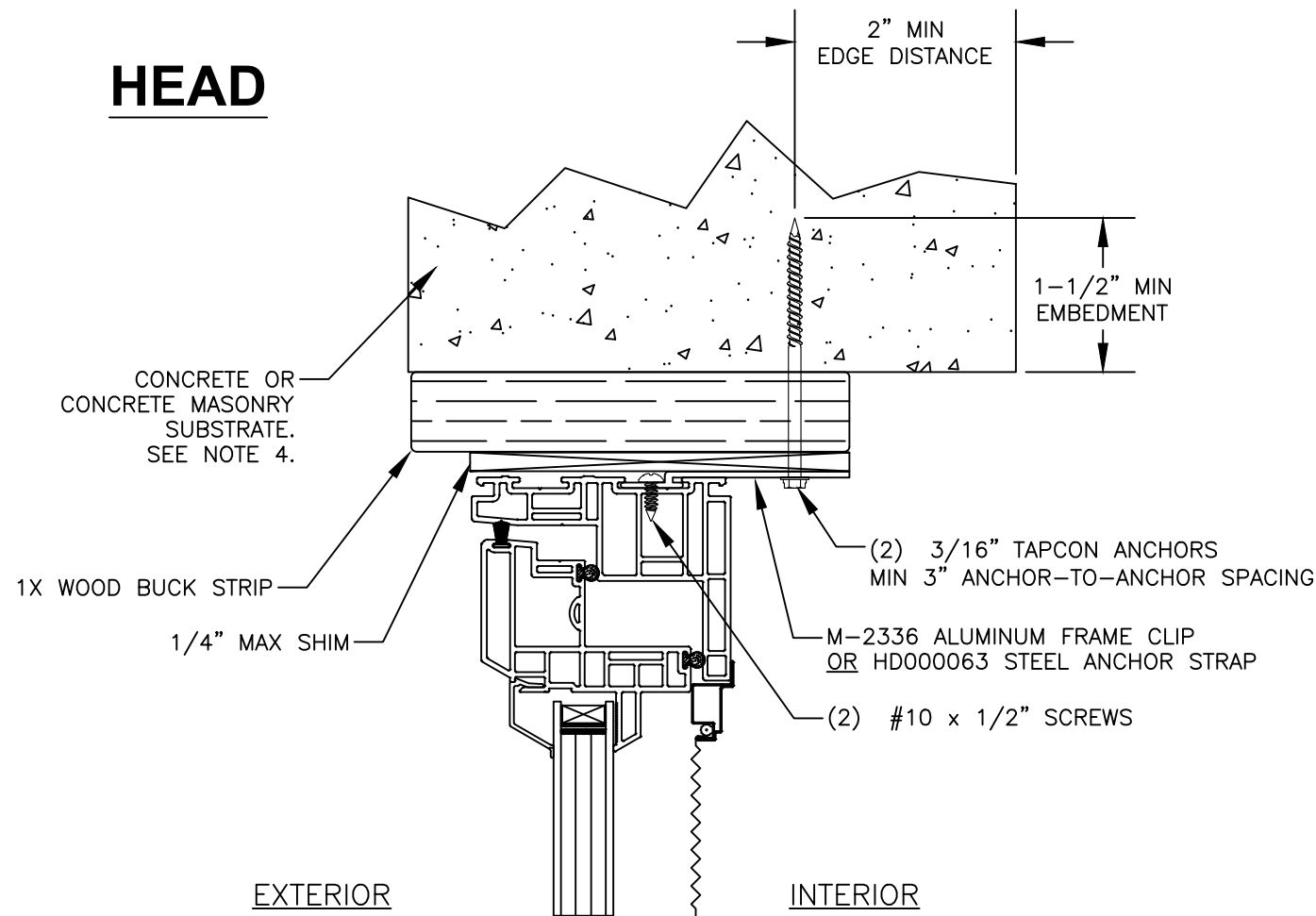


2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

9770 Casement - non Impact Finless Installation to Concrete/CMU	
MI Windows and Doors 702 W. Market St. Gratz, PA 17030	
Drawing No.: 27488.07-1001 Project No.: 27488.07-107-16 Drawn By: MDS Rev: - Date: 12/11/23	
Scale: NTS	Sheet 8 of 10

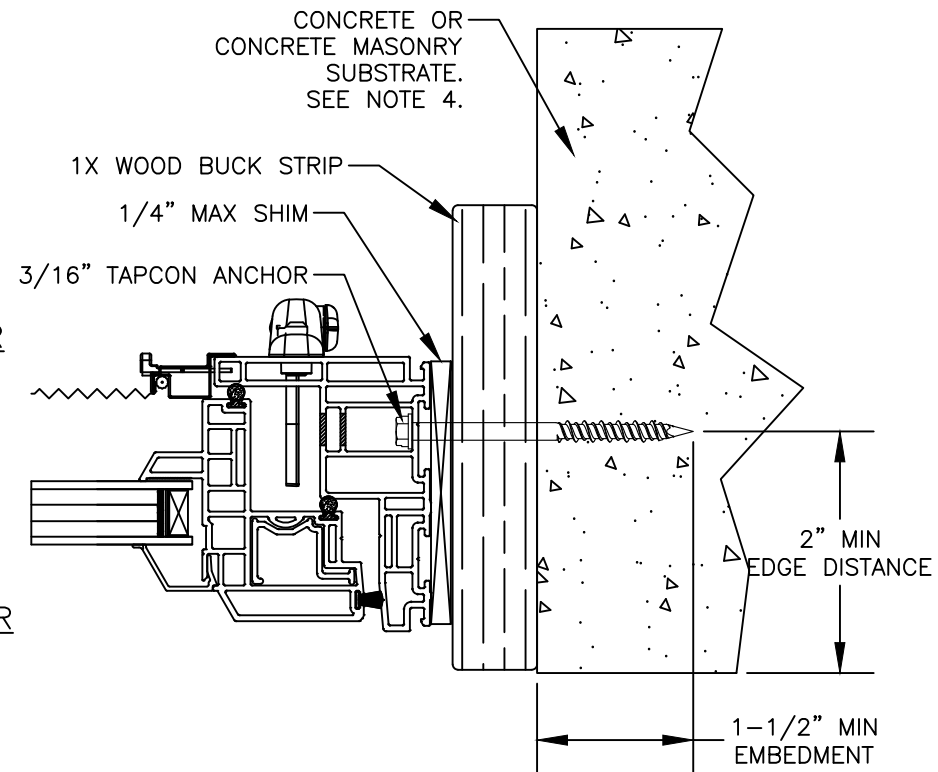
HEAD



INTERIOR

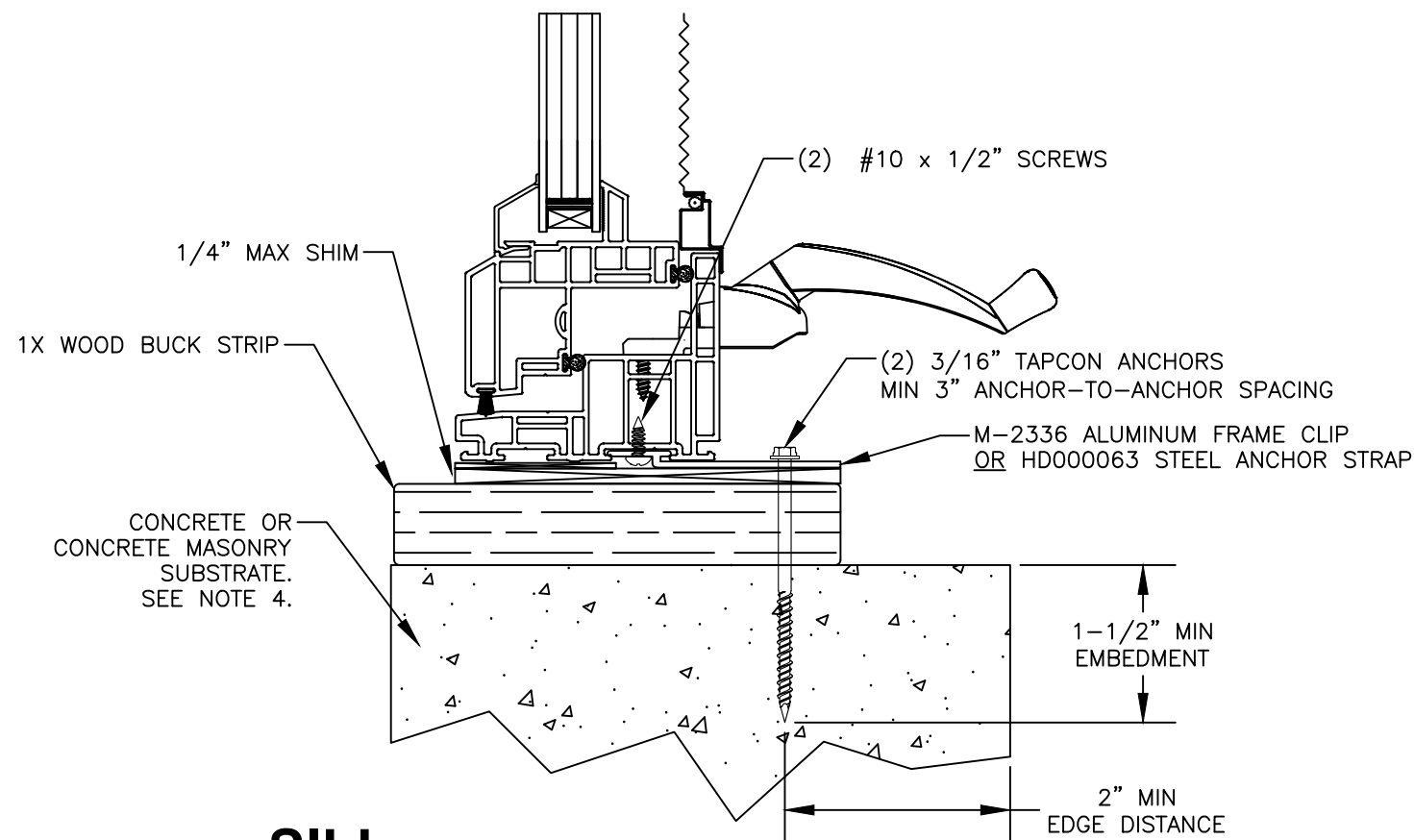
EXTERIOR

JAMB



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

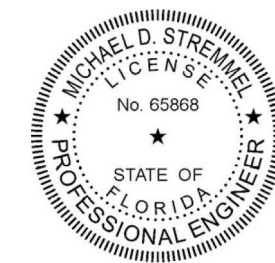
Note: Counterbore at jamb
anchor location.
3/8" access holes, 3/16"
hole at base wall.



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



2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

**9770 Casement - non Impact
Finless Installation to Concrete/CMU**

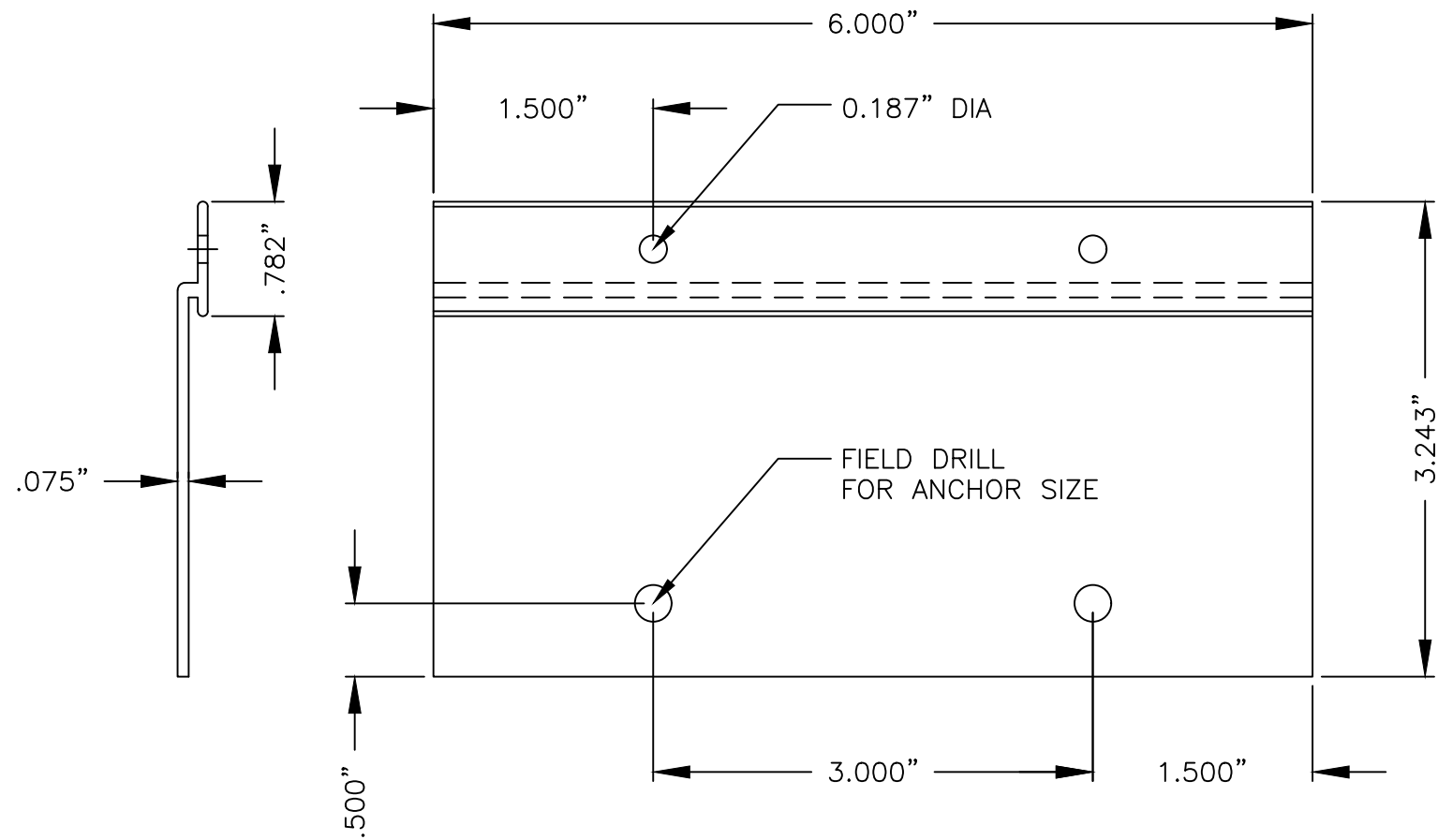
MI Windows and Doors

702 W. Market St.
Gratz, PA 17030

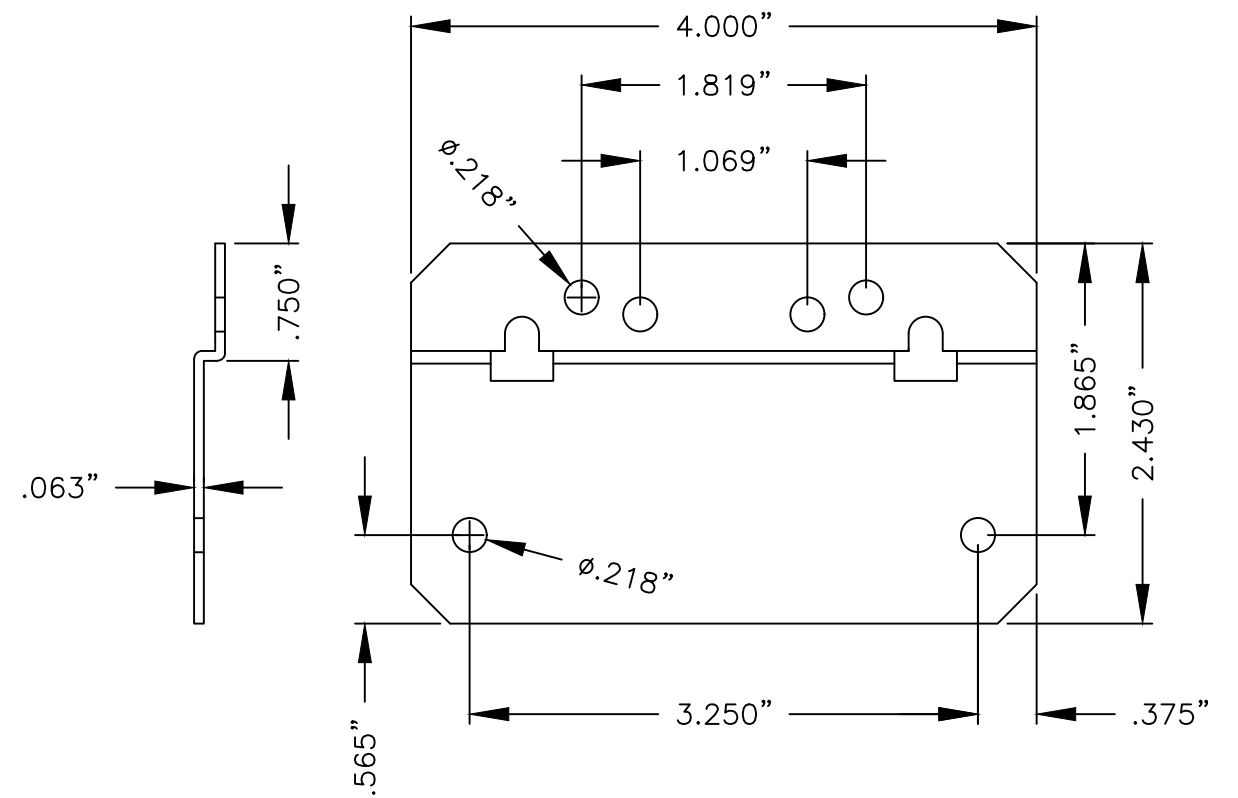
Drawing No.: 27488.07-1001
Project No.: 27488.07-107-16
Drawn By: MDS Rev: - Date: 12/11/23

Scale: NTS

Sheet 9 of 10



M-2336 FRAME CLIP
6063-T5 ALUMINUM



HD000063 ANCHOR STRAP
COLD ROLLED STEEL (GALVANIZED)

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



2023.12.11 12:21:34 -05'00'

Michael D. Stremmel

**9770 Casement - non Impact
Installation Accessories**

MI Windows and Doors

702 W. Market St.
Gratz, PA 17030

Drawing No.: 27488.07-1001
Project No.: 27488.07-107-16
Drawn By: MDS Rev: - Date: 12/11/23

Scale: NTS

Sheet 10 of 10