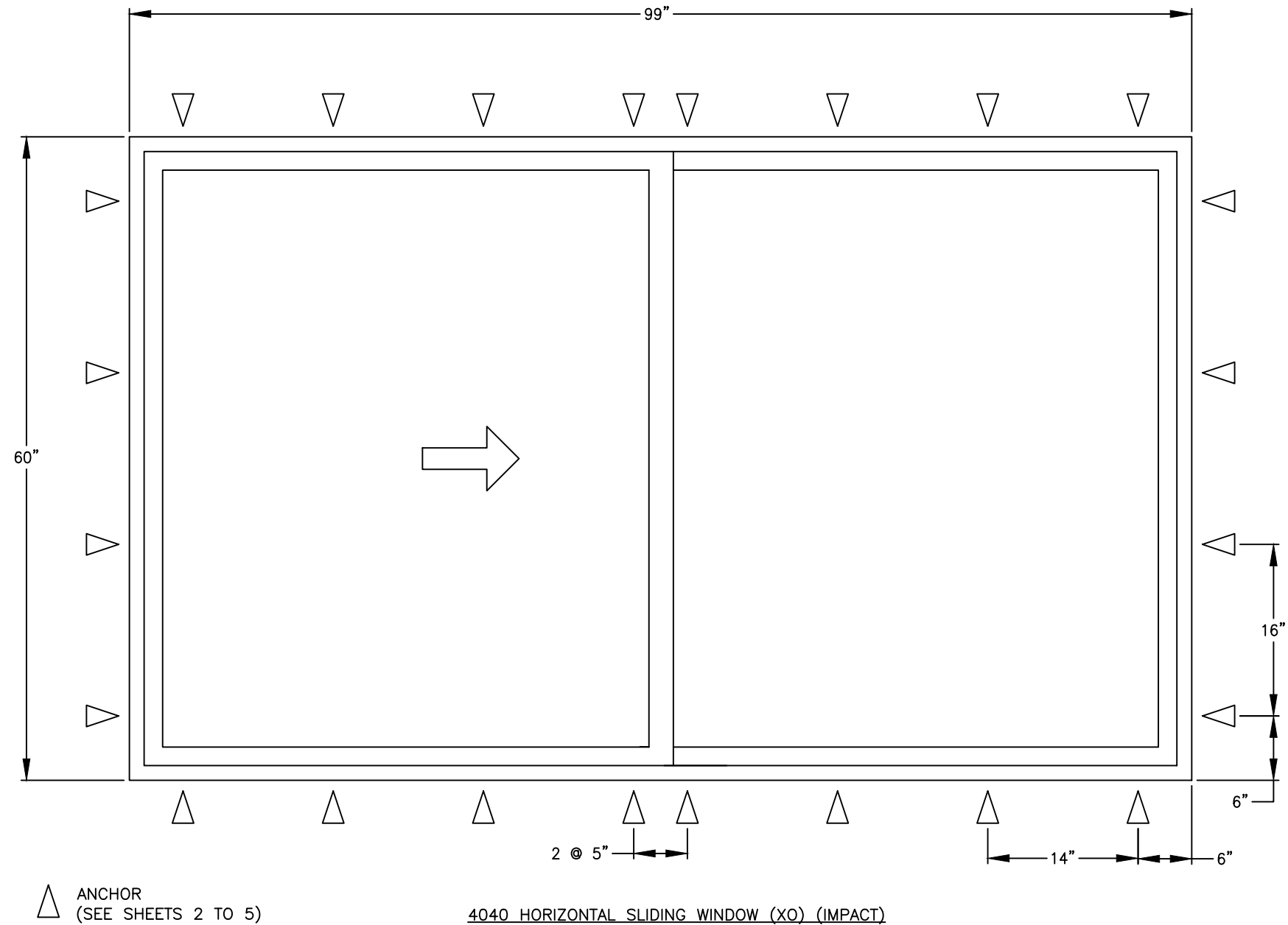


NOTES:

1. Products and 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 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.
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 1/2". Shims shall be non-compressible and load bearing type. Every through-frame fastener shall have a shim.
10. Short term load duration factors have not been used for evaluation of aluminum and steel components. Load duration factor C<sub>D</sub> = 1.6 utilized for connections to wood.
11. Products are impact resistant and do not require approved protection devices if used in wind-borne debris regions.
12. Not Approved for use in High Velocity Hurricane Zone (HVHZ).

CONTENTS:

|            |                                |
|------------|--------------------------------|
| Sheet 1    | Notes and Elevations           |
| Sheets 2-5 | Through Frame Installations    |
| Sheet 6    | Glazing Details                |
| Sheet 7    | Sections and Bill of Materials |
| Sheet 8    | Components                     |



**4040 HORIZONTAL SLIDING WINDOW (XO) (IMPACT)**  
MAXIMUM SIZE: 99" WIDE X 60" TALL  
MAXIMUM GLAZING SIZE: 45" WIDE X 54" TALL  
DESIGN PRESSURE: +65/-70 PSF  
LARGE MISSILE IMPACT RESISTANT

**Joseph A. Reed, PE**  
**FL PE 58920**  
**130 Derry Ct.**  
**York, PA 17406**  
**717-764-7700**  
**FL REG 29274**



2023.08.24 15:56:41 -04'00'

**4040 Horizontal Sliding - Impact**  
**Notes and Elevations**

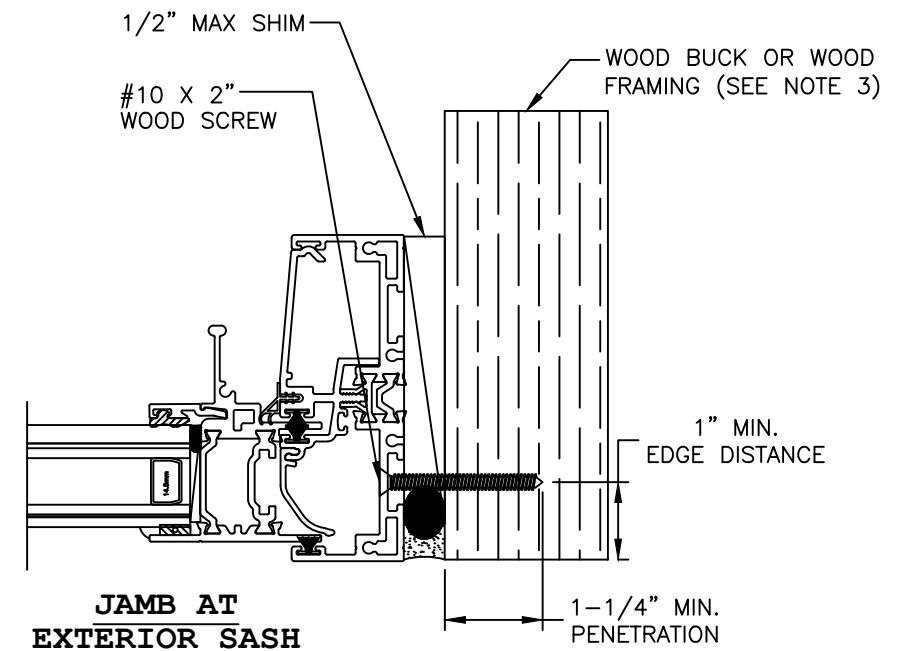
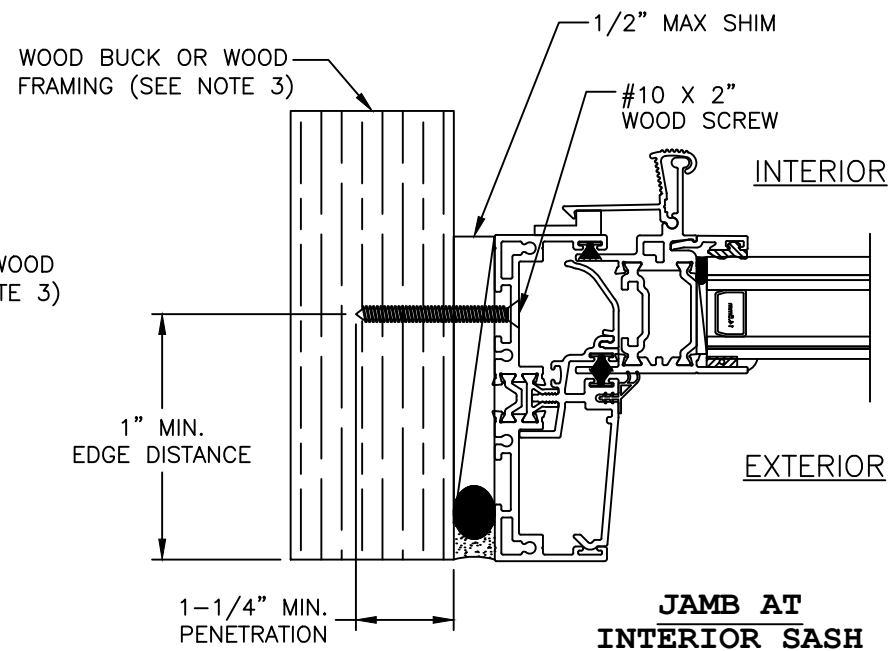
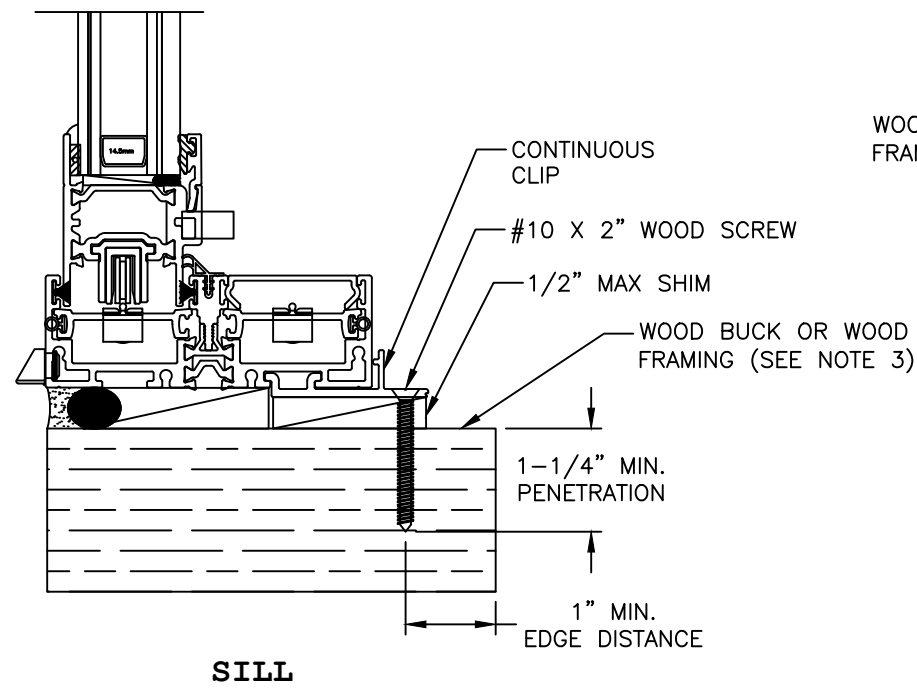
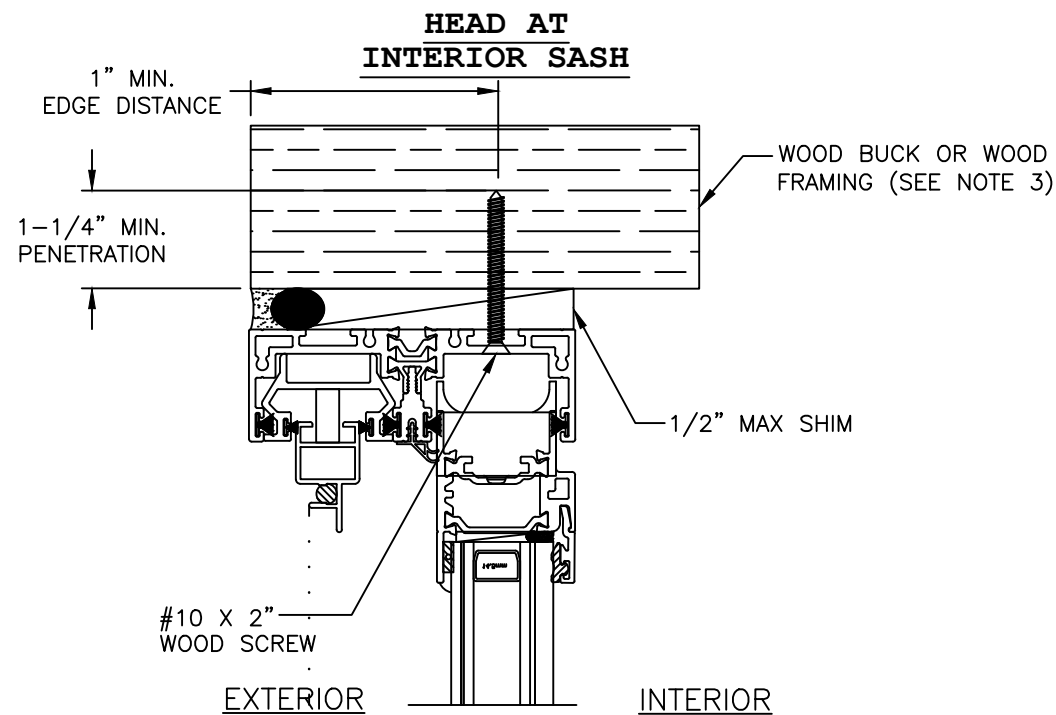
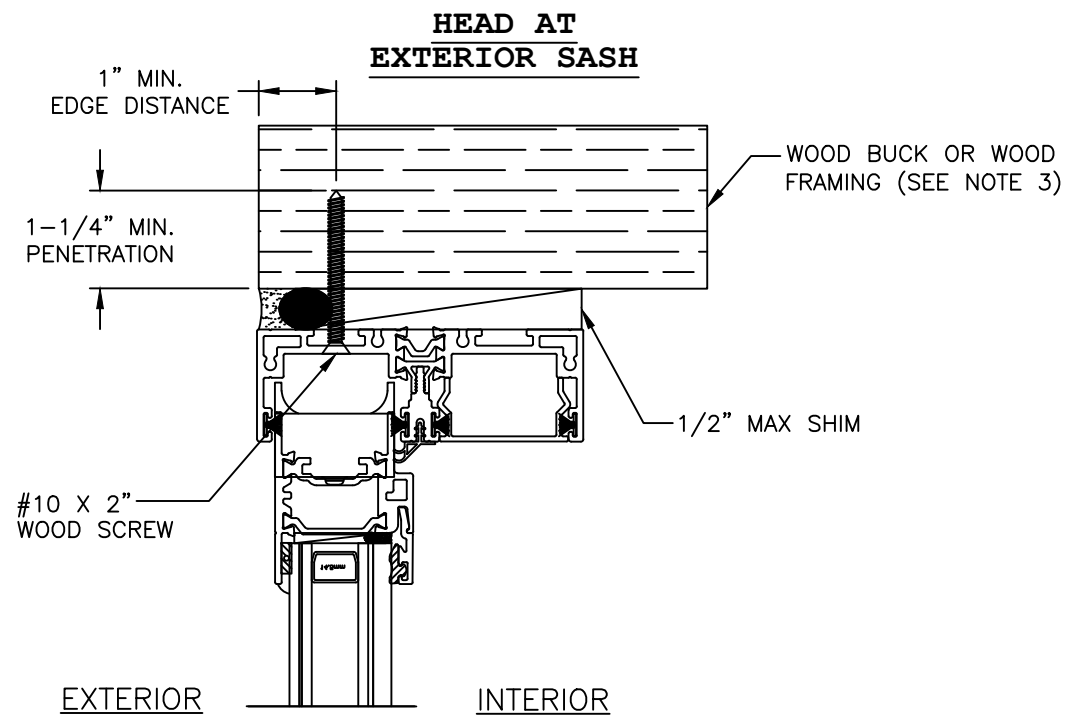
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390 Industrial Boulevard  
Sauk Rapids, MN 56379

Drawing No.: Q4674-1002  
Project No.: Q4674.01-122-34  
Drawn By: JAR Rev: - Date: 08/23/23

Scale: NTS

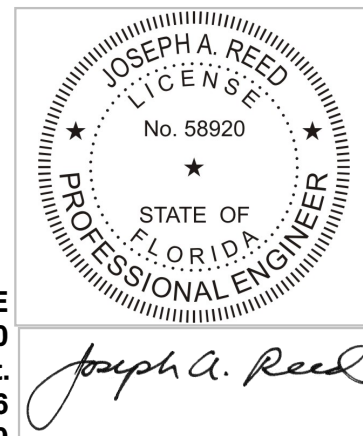
Sheet 1 of 8

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**FL REG 29274**



2023.08.24 15:56:41 -04'00'

**4040 Horizontal Sliding - Impact**  
**Through Frame Installations**  
**Wood**

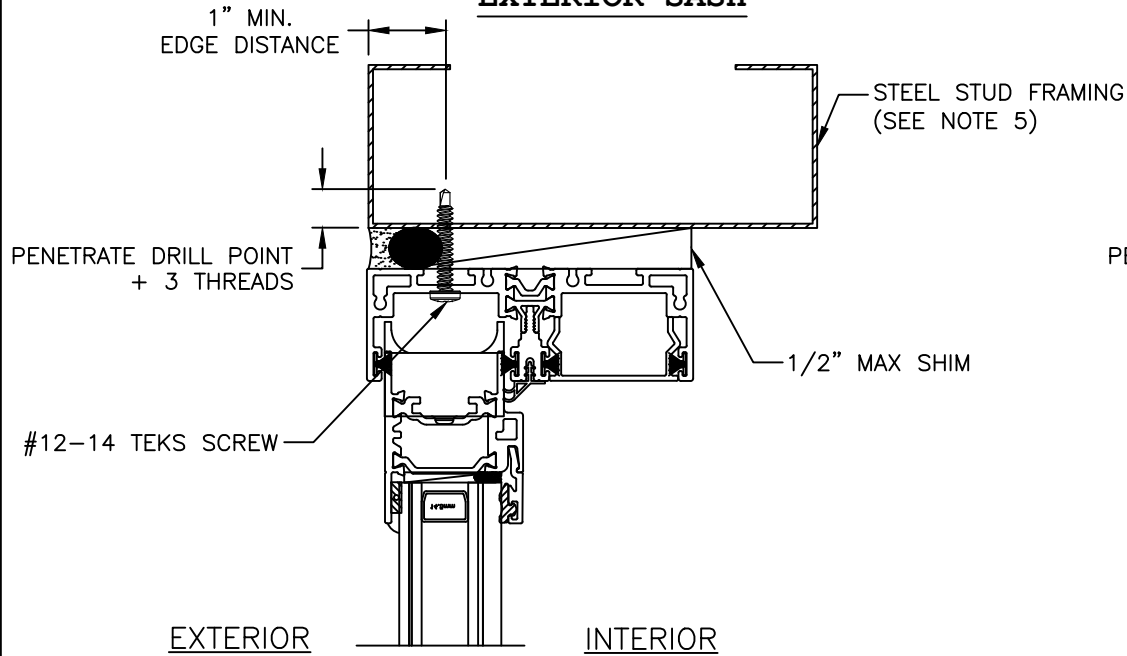
**St. Cloud Window**  
**390 Industrial Boulevard**  
**Sauk Rapids, MN 56379**

Drawing No.: Q4674-1002  
 Project No.: Q4674.01-122-34  
 Drawn By: JAR Rev: - Date: 08/23/23

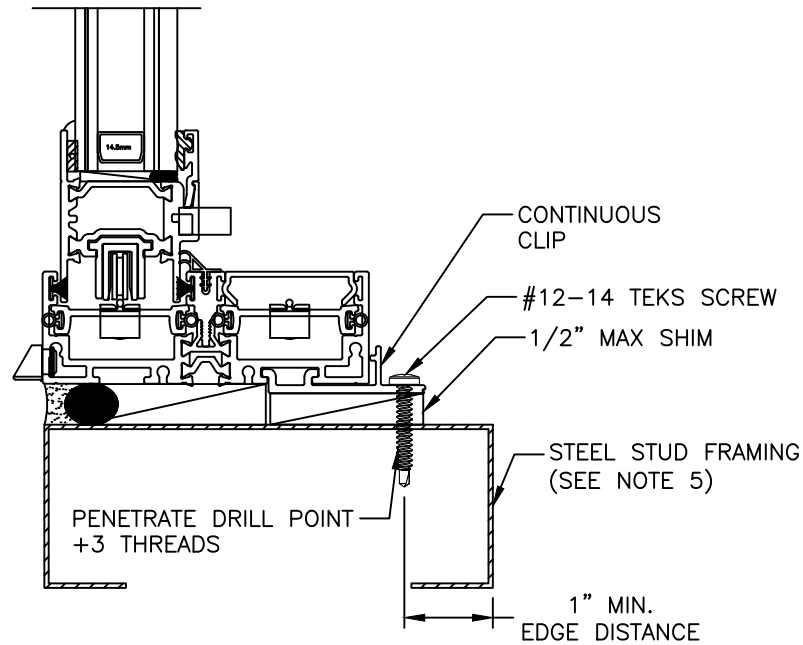
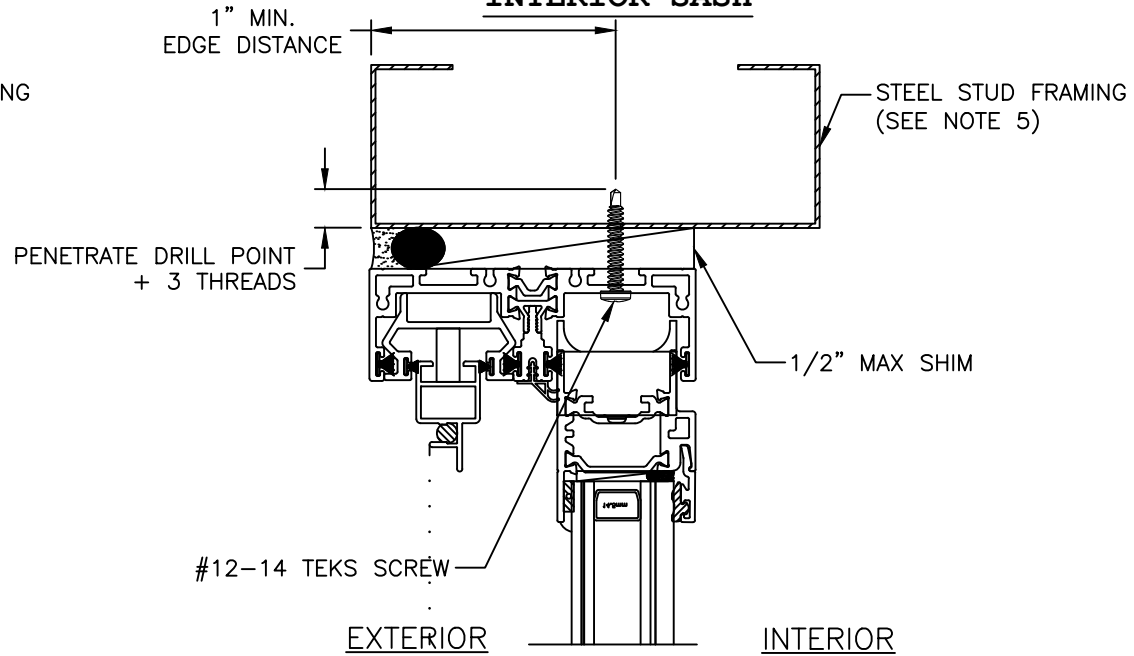
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Sheet 2 of 8

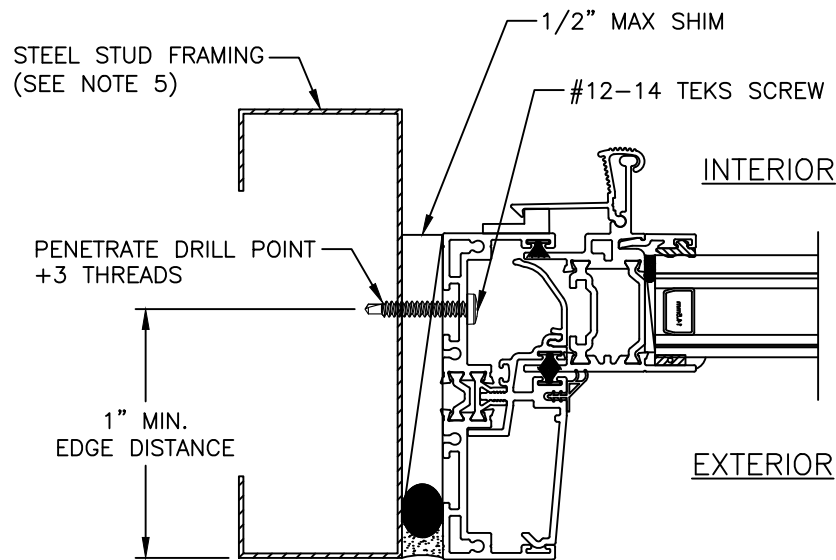
**HEAD AT  
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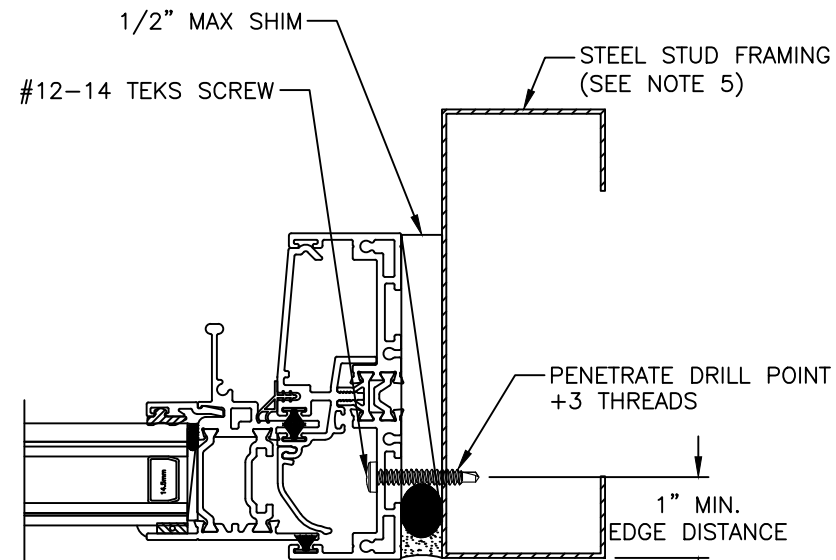
**HEAD AT  
INTERIOR SASH**



**SILL**



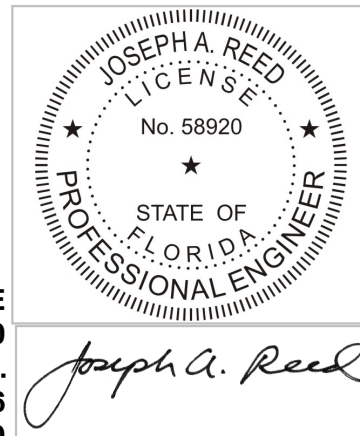
**JAMB AT  
INTERIOR SASH**



**JAMB AT  
EXTERIOR SASH**

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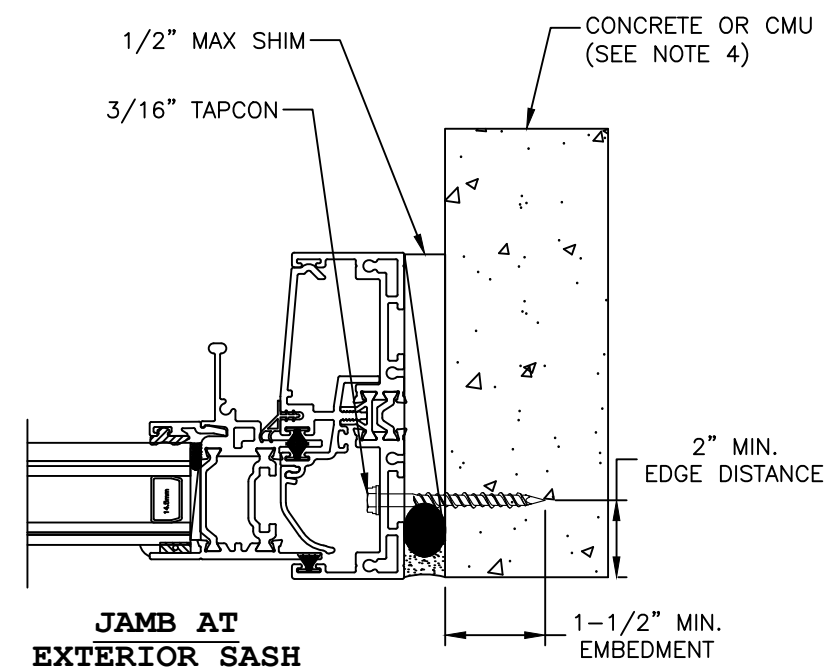
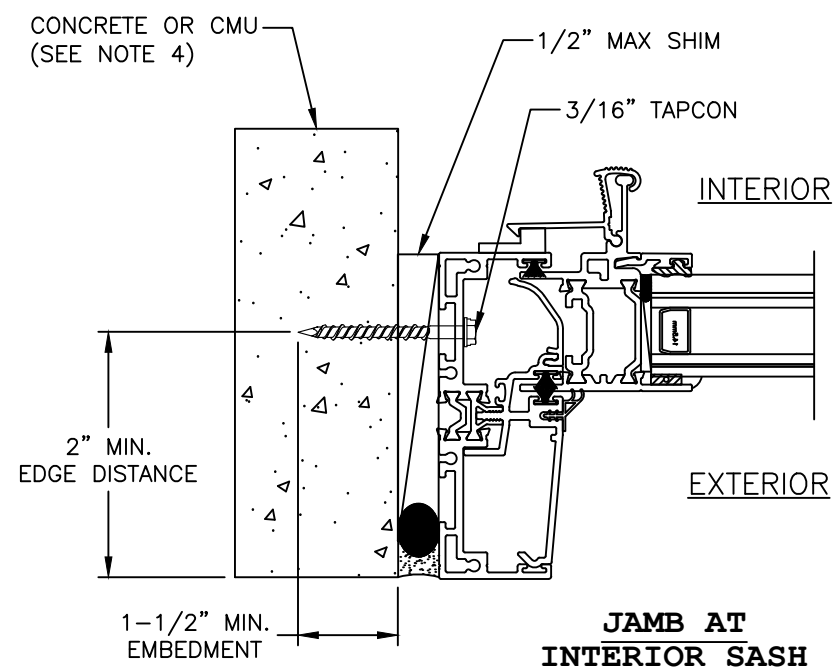
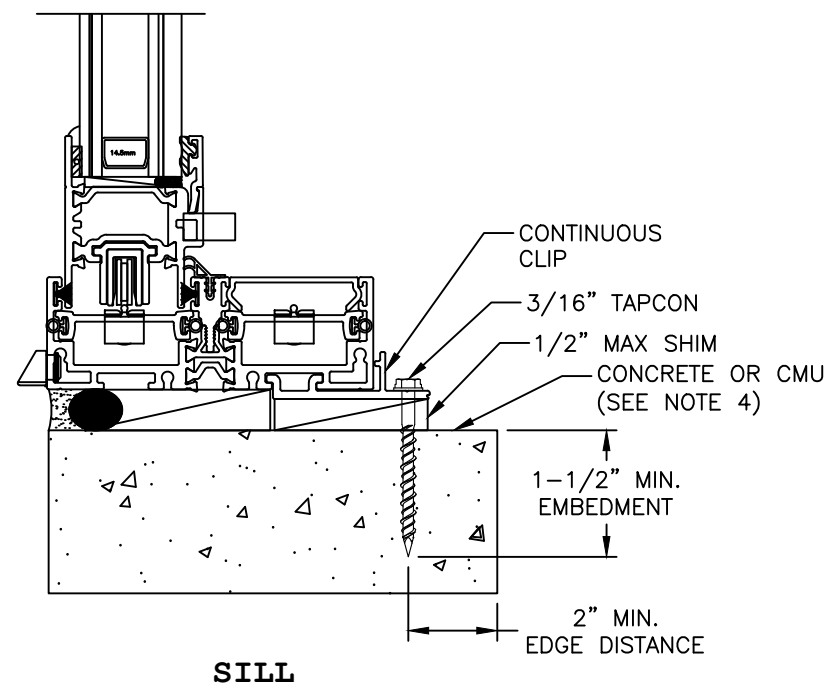
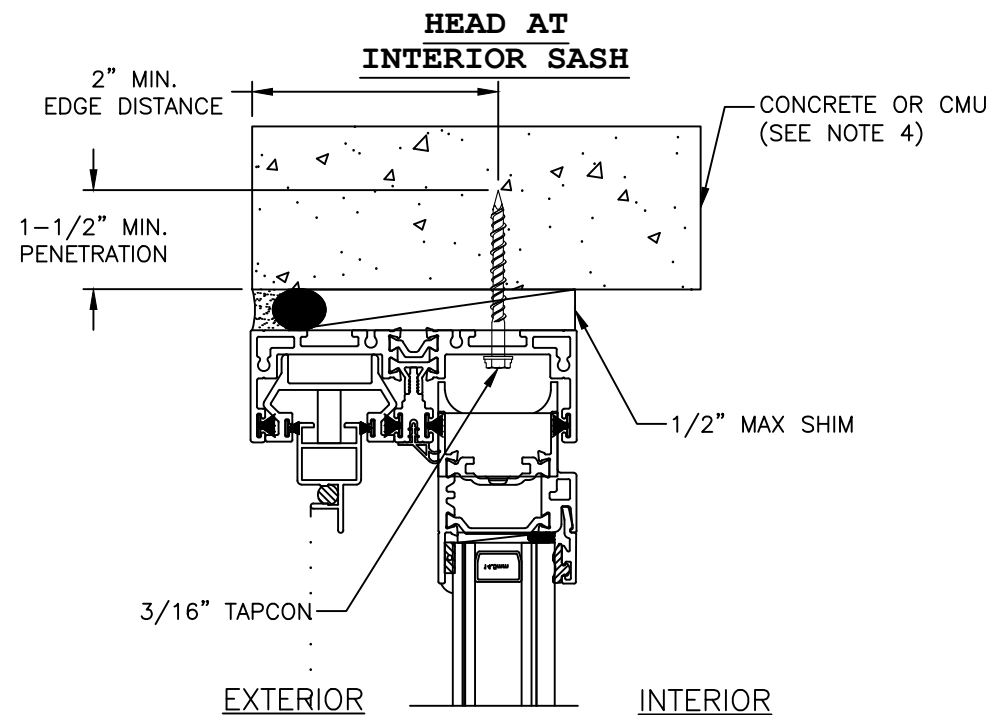
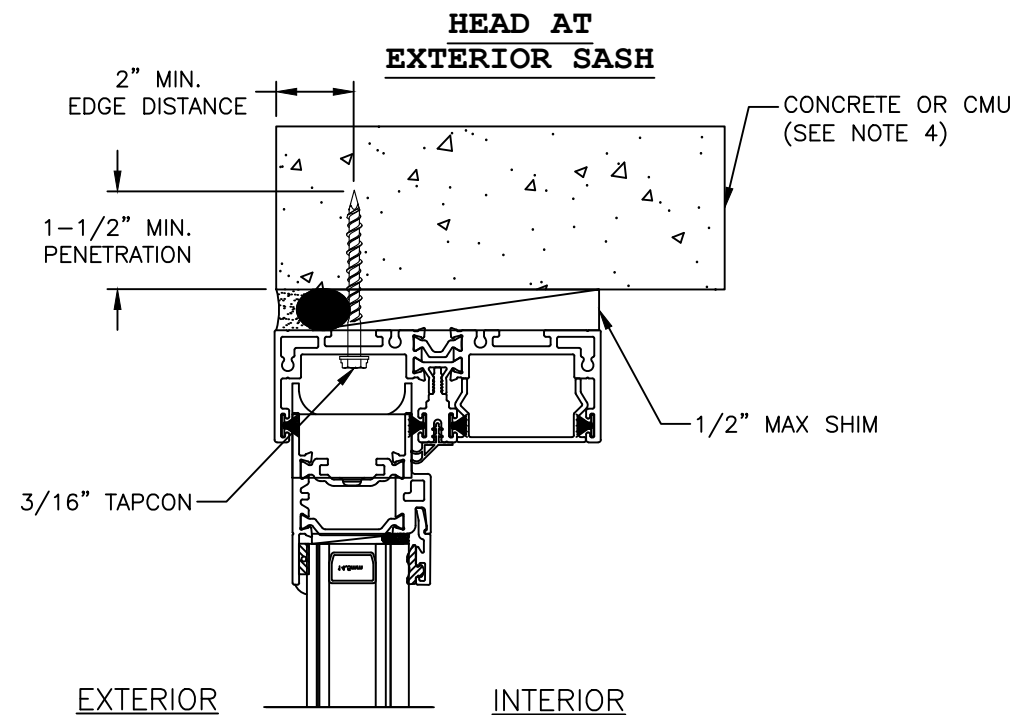
**4040 Horizontal Sliding - Impact  
Through Frame Installations  
Steel Stud**

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

Drawing No.: Q4674-1002  
Project No.: Q4674.01-122-34  
Drawn By: JAR Rev: - Date: 08/23/23

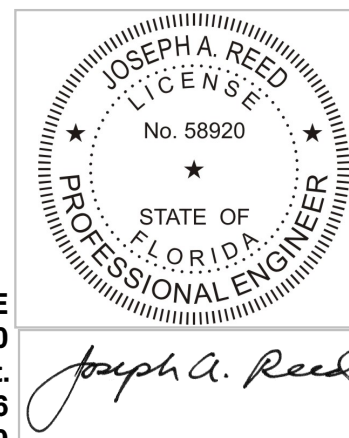
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Sheet 3 of 8



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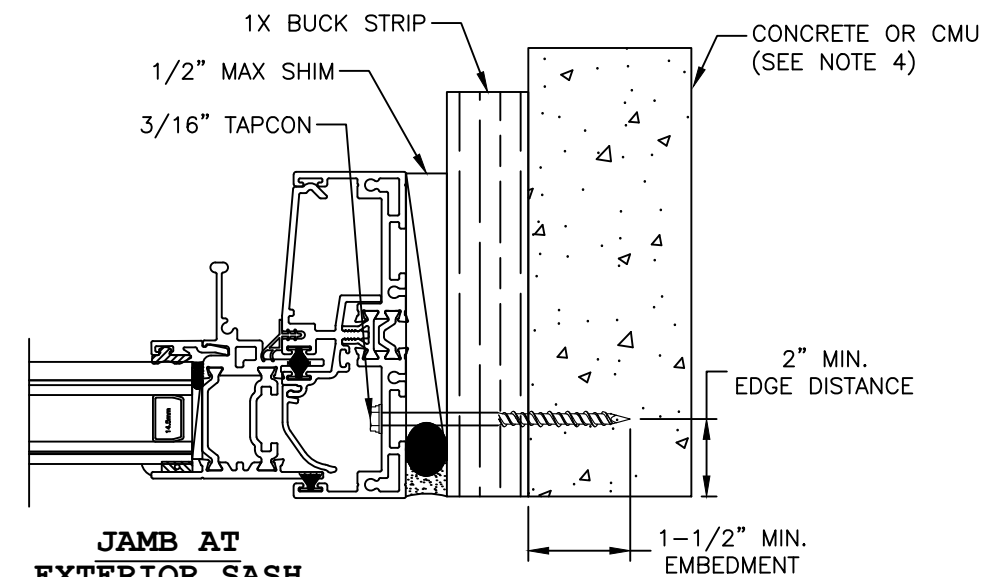
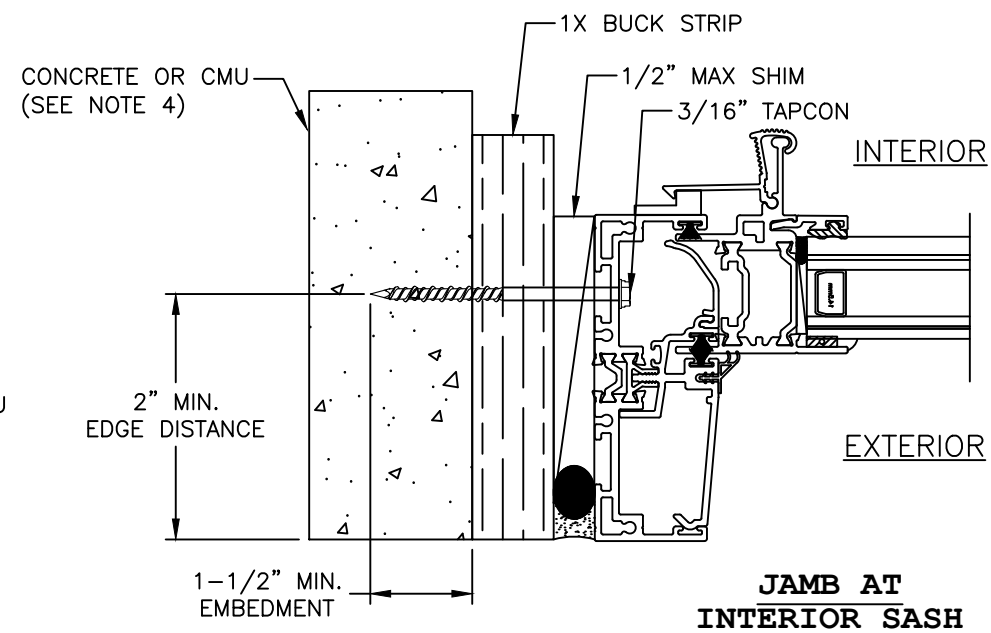
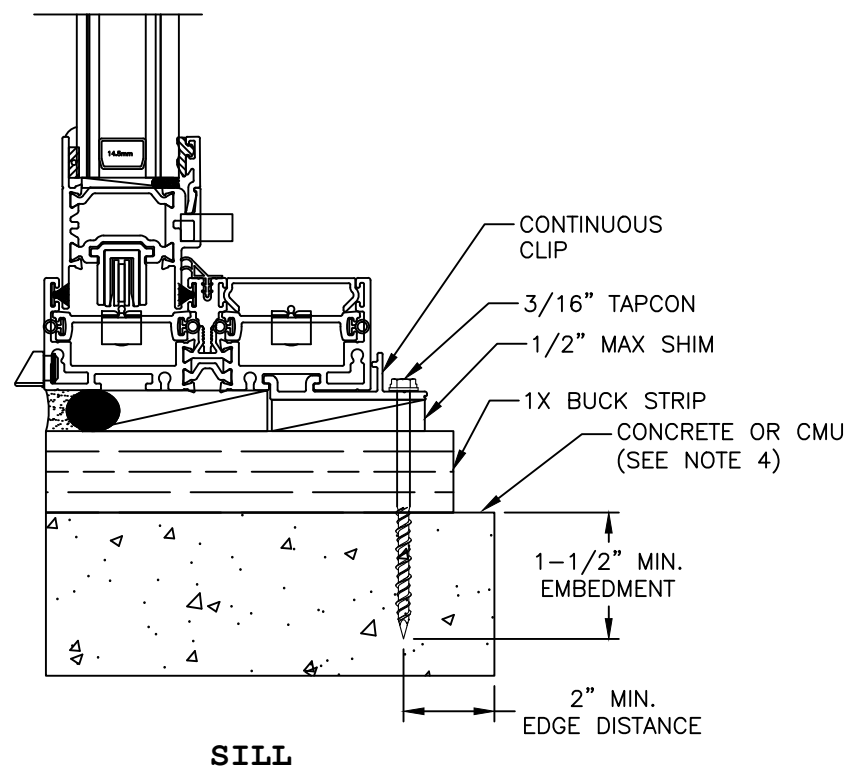
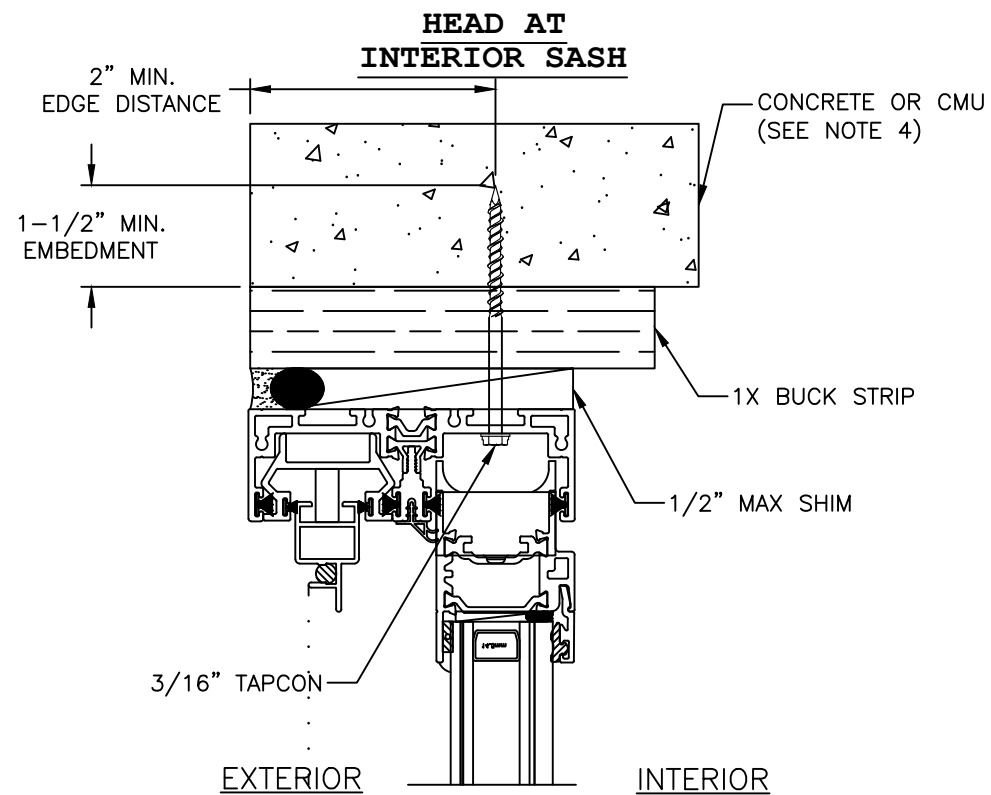
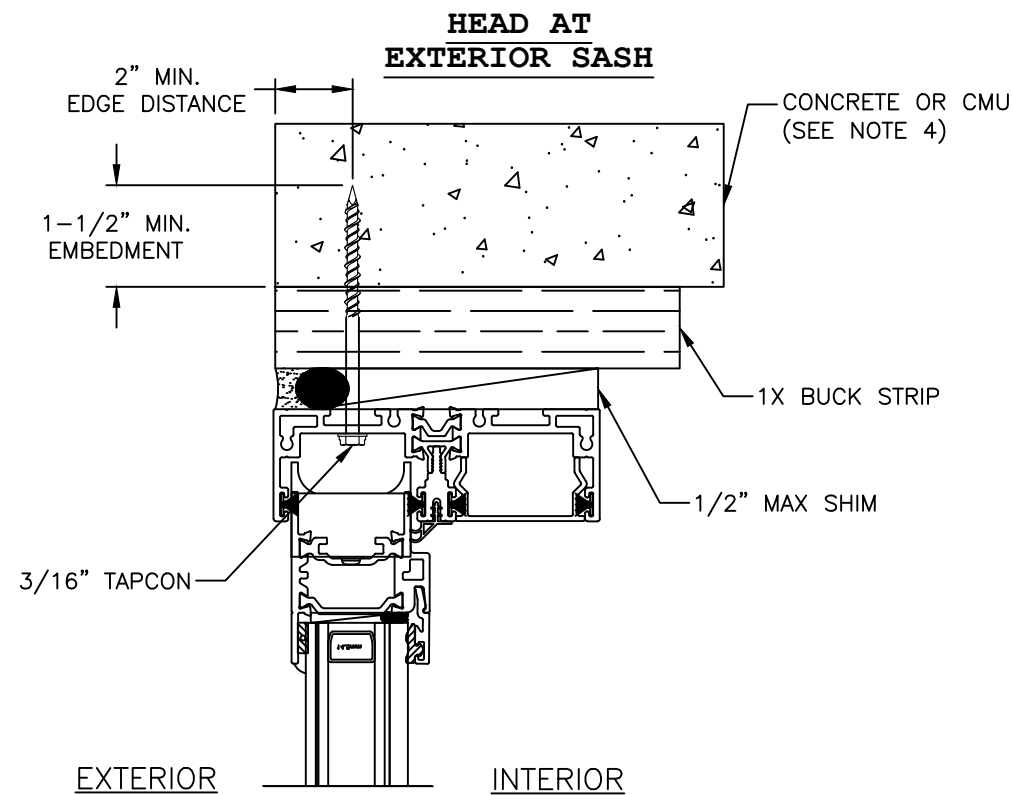
**4040 Horizontal Sliding - Impact**  
**Through Frame Installations**  
**Concrete or CMU**

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

Drawing No.: Q4674-1002  
 Project No.: Q4674.01-122-34  
 Drawn By: JAR Rev: - Date: 08/23/23

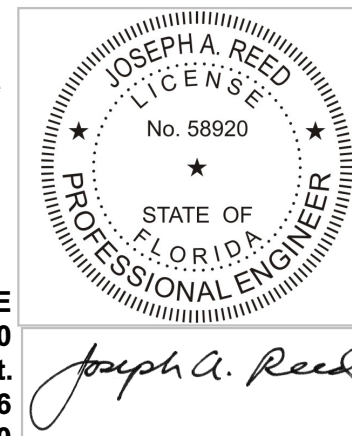
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**FL REG 29274**



2023.08.24 15:56:41 -04'00'

**4040 Horizontal Sliding - Impact**  
**Through Frame Installations**  
**Concrete or CMU with Buck Strip**

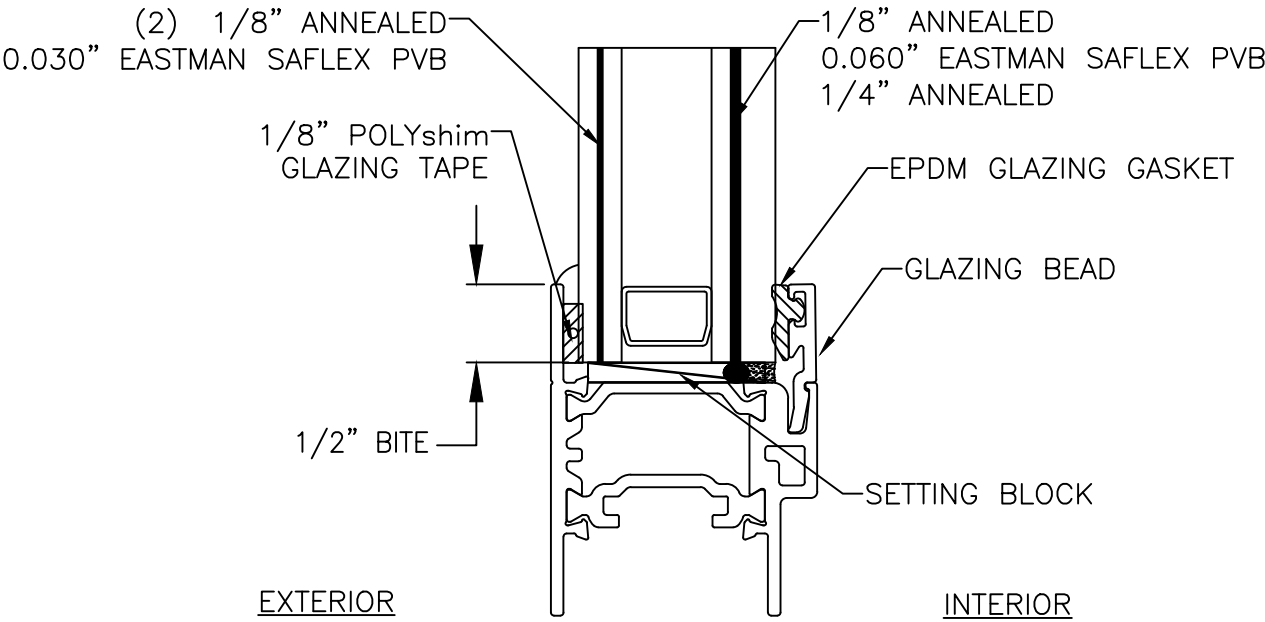
**St. Cloud Window**  
**390 Industrial Boulevard**  
**Sauk Rapids, MN 56379**

Drawing No.: Q4674-1002  
 Project No.: Q4674.01-122-34  
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Sheet 5 of 8

GLAZING DETAIL  
1-1/4" INSULATING GLASS



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**4040 Horizontal Sliding - Impact**  
Glazing Details

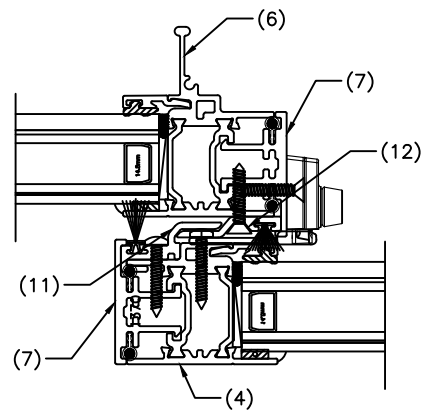
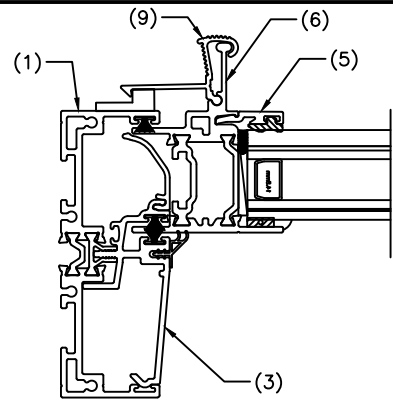
**St. Cloud Window**  
390 Industrial Boulevard  
Sauk Rapids, MN 56379

Drawing No.: Q4674-1002  
Project No.: Q4674.01-122-34  
Drawn By: JAR Rev: - Date: 08/23/23

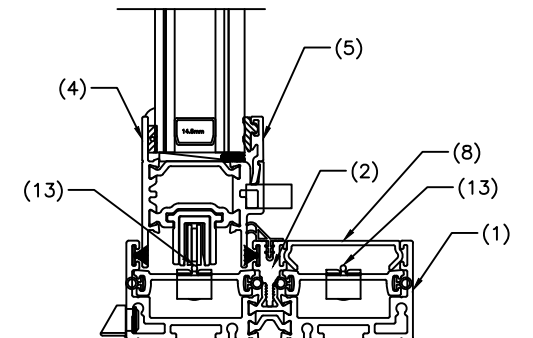
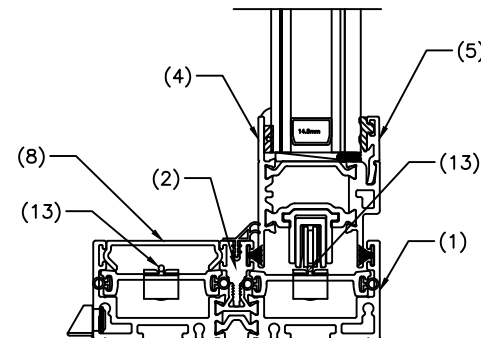
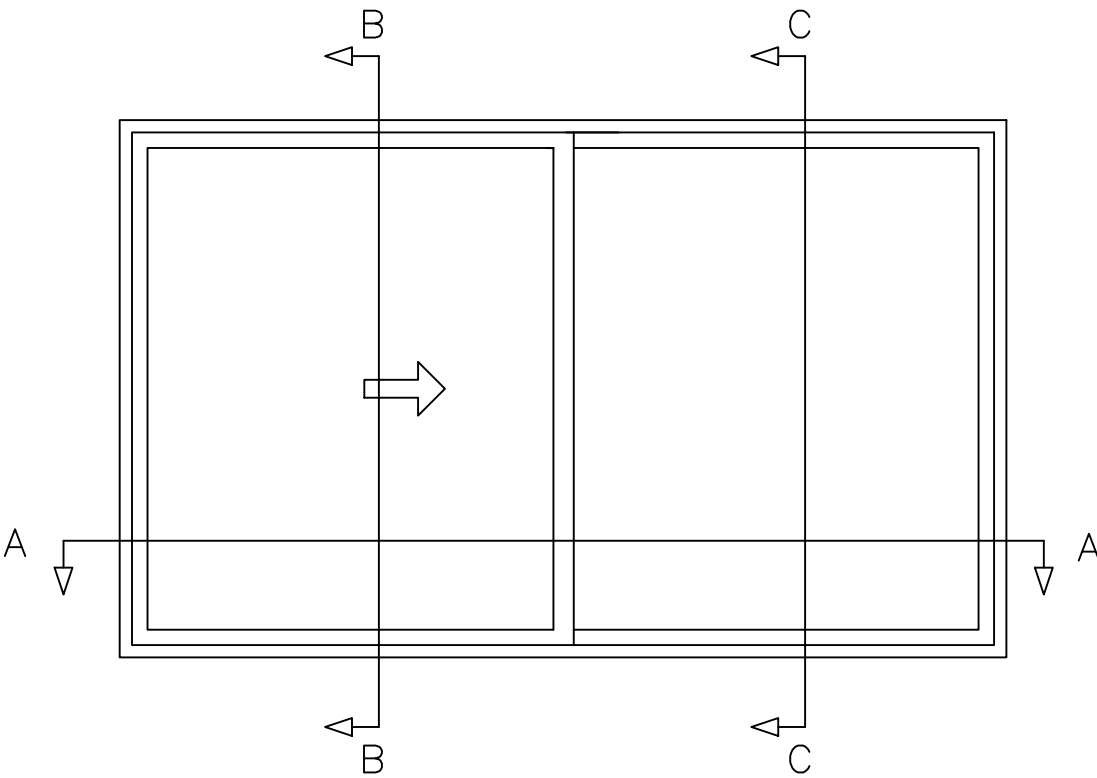
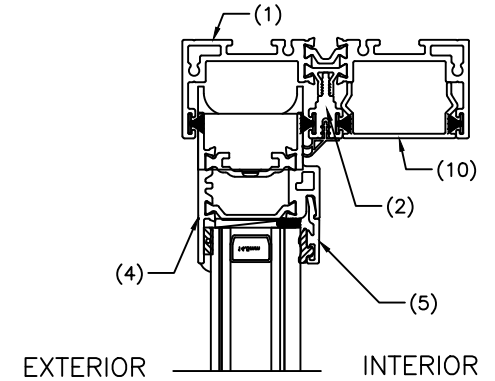
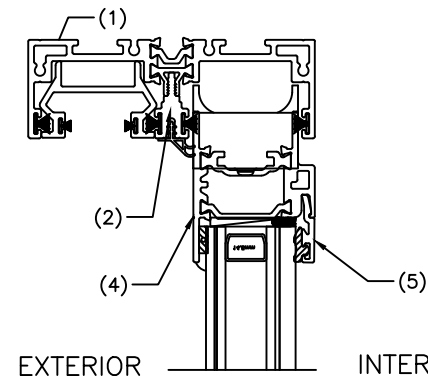
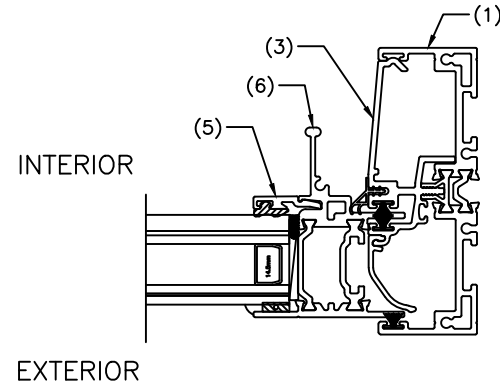
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Sheet 6 of 8

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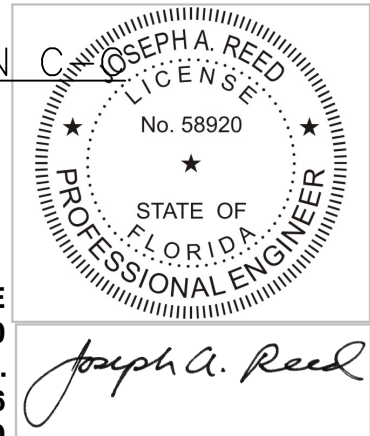
SECTION A-A



SECTION B-B

SECTION C-C

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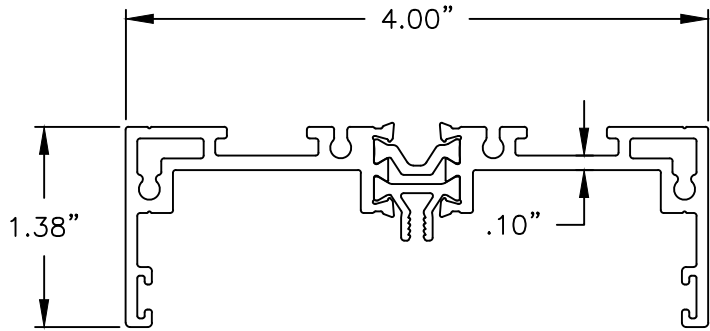
| HARDWARE                     |        |                                              |
|------------------------------|--------|----------------------------------------------|
| ITEM                         | NUMBER | LOCATION                                     |
| SWEEP LOCK                   | 2      | OPERABLE SASH MEETING STILE                  |
| SWEEP LOCK KEEPER            | 2      | FIXED SASH MEETING STILE                     |
| PINCH LOCK                   | 1      | OPERABLE SASH JAMB STILE                     |
| STAINLESS STEEL ROLLER ASS'Y | 4      | TWO EACH SASH                                |
| WEATHERSTRIPPING             |        |                                              |
| ITEM                         | NUMBER | LOCATION                                     |
| 1/4" 5-FIN                   | 4 ROWS | SASH POCKETS AT HEAD                         |
| 1/4" 5-FIN                   | 4 ROWS | INTERIOR SASH, SASH POCKETS AT JAMB AND SILL |
| 1/4" 5-FIN                   | 4 ROWS | EXTERIOR SASH, SASH POCKETS AT JAMB AND SILL |
| 1/4" PILE                    | 1 ROW  | FIXED SASH MEETING STILE                     |
| 5/32" PILE                   | 1 ROW  | OPERABLE SASH MEETING STILE                  |
| 2-FIN GASKET                 | 1 ROW  | PARTING STOP                                 |
| FELT                         | 2      | AT PVC BLOCKS AT PARTING STOP                |

| ITEM NO. | NAME                  | MATERIAL | DESCRIP.  |
|----------|-----------------------|----------|-----------|
| 1        | Master Frame          | 6063-T6  | EXTRUSION |
| 2        | Parting Stop          | 6063-T6  | EXTRUSION |
| 3        | Sill Snap             | 6063-T6  | EXTRUSION |
| 4        | Sash Frame            | 6063-T6  | EXTRUSION |
| 5        | Glazing Bead          | 6063-T6  | EXTRUSION |
| 6        | Sash with Lift Handle | 6063-T6  | EXTRUSION |
| 7        | Rail Cover            | 6063-T6  | EXTRUSION |
| 8        | Snap-in Trim          | 6063-T6  | EXTRUSION |
| 9        | Pinch Lock            | 6063-T6  | EXTRUSION |
| 10       | Snap-in Trim          | 6063-T6  | EXTRUSION |
| 11       | Interlock             | PVC      | EXTRUSION |
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| 13       | Roller Support        | 6063-T6  | EXTRUSION |

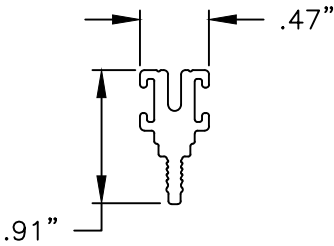
## 4040 Horizontal Sliding - Impact Sections and Bill of Materials

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

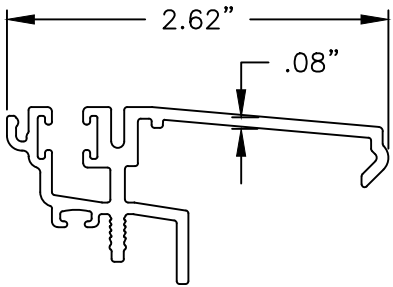
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Project No.: Q4674.01-122-34  
Drawn By: JAR Rev: - Date: 08/23/23



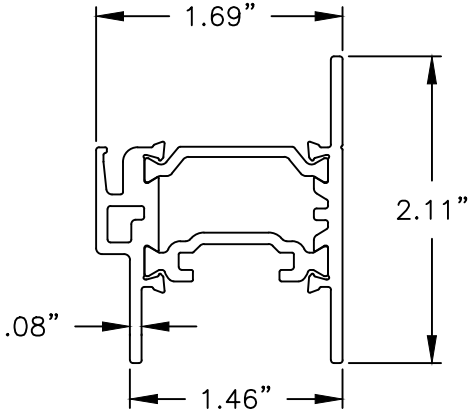
MASTER FRAME  
6063-T6



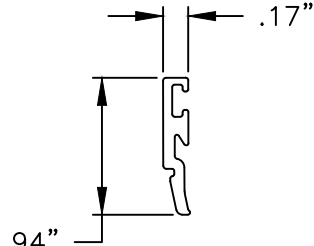
PARTING STOP  
6063-T6



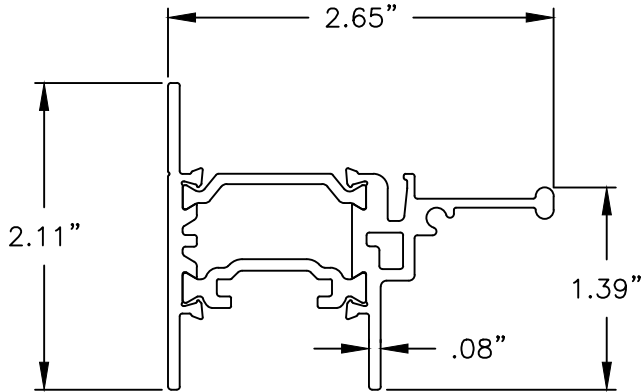
SILL SNAP  
6063-T6



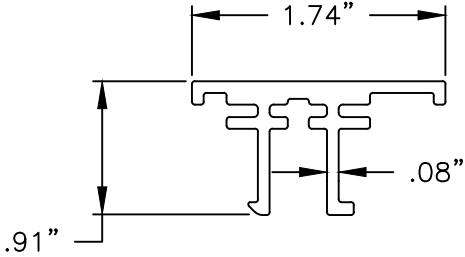
SASH FRAME  
6063-T6



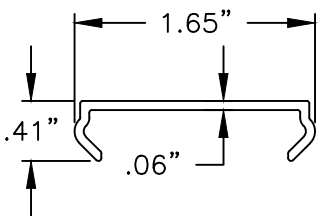
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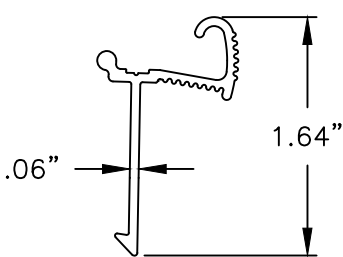
SASH WITH LIFT HANDLE  
6063-T6



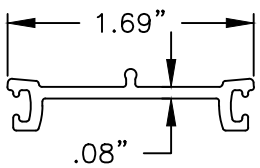
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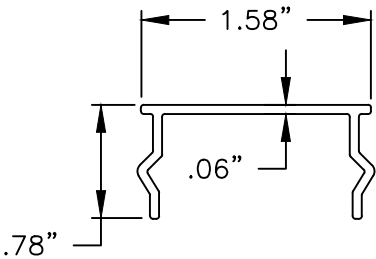
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6063-T6



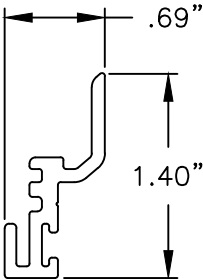
PINCH LOCK  
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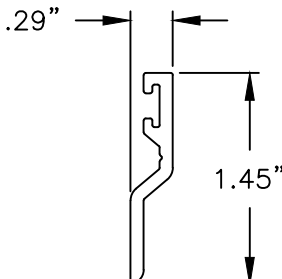
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6063-T6



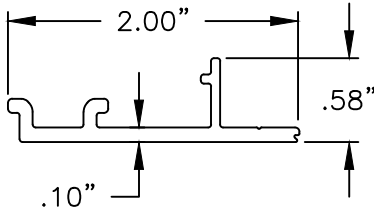
SNAP-IN TRIM  
6063-T6



INTERLOCK  
PVC



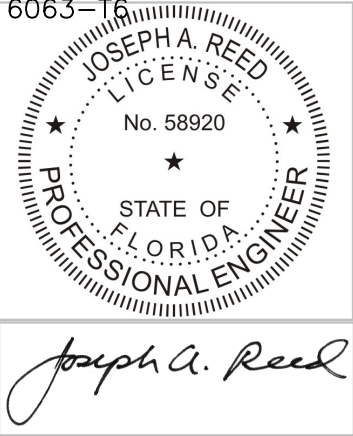
INTERLOCK  
PVC



ANCHOR CLIP  
6063-T6

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York, PA 17406  
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FL REG 29274



2023.08.24 15:56:41 -04'00'

## 4040 Horizontal Sliding - Impact Components

### St. Cloud Window

390 Industrial Boulevard  
Sauk Rapids, MN 56379

Drawing No.: Q4674-1002

Project No.: Q4674.01-122-34

Drawn By: JAR Rev: - Date: 08/23/23

Scale: NTS

Sheet 8 of 8