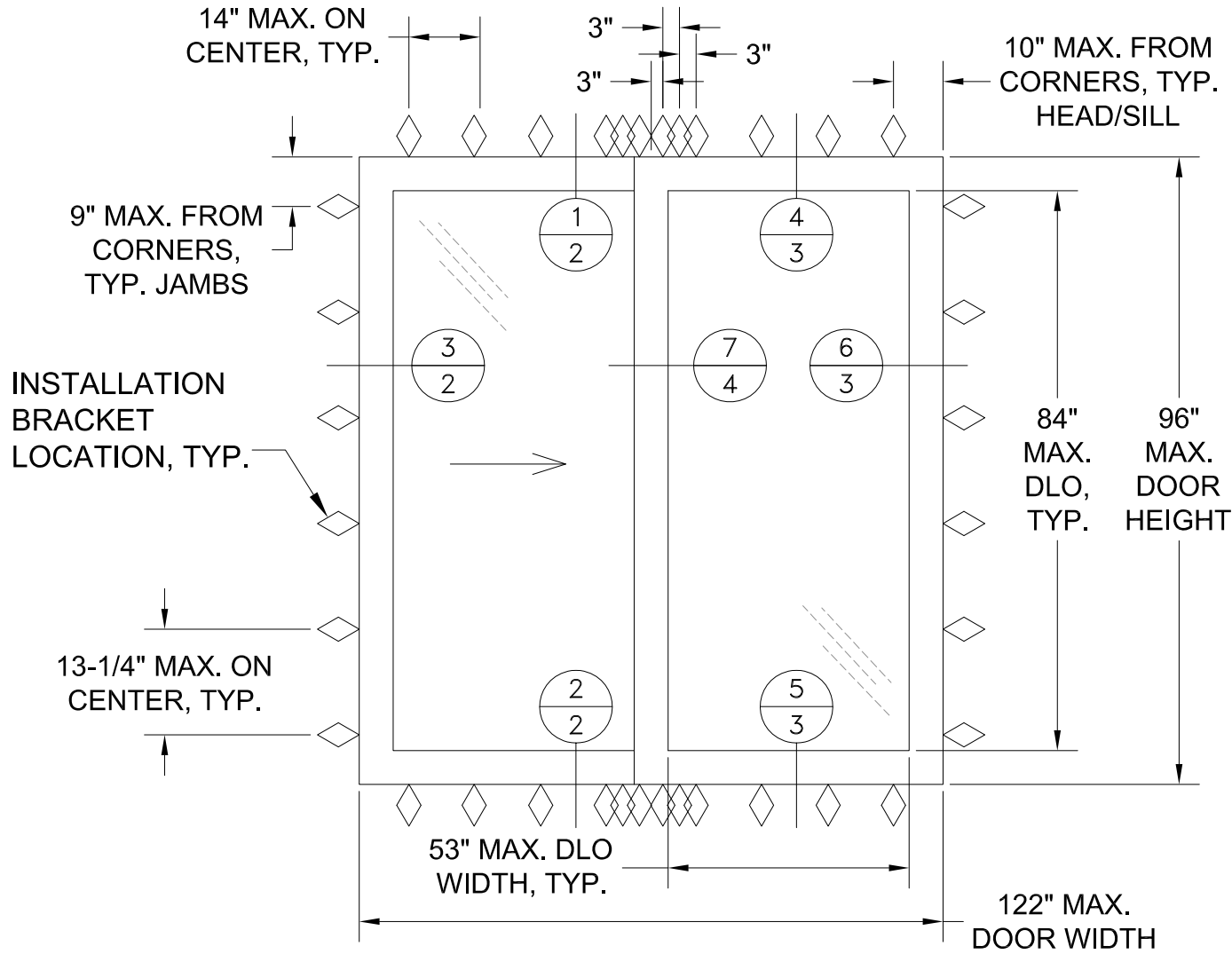


NEXTGEN SLIDING DOOR, NON-IMPACT

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN, IN XO OR OX CONFIGURATIONS, CONSTRUCTED FROM GEALAN EXTRUDED uPVC FRAMES HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 8TH EDITION (2023), OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT IS NOT IMPACT RESISTANT AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
3. THE DESIGN PRESSURES INDICATED IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER, AND STRUCTURAL PRESSURES.
4. THIS DOCUMENT ADDRESSES PRODUCT ANCHORAGE TO ACHIEVE THE INDICATED DESIGN PRESSURES AT THE INDICATED SIZES, IN THE CONFIGURATION SHOWN IN THE ELEVATIONS. INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN IN THE DETAILS AND AS INDICATED IN TABLE 1. FOR FULL PRODUCT CONSTRUCTION DETAILS SEE MOLIMO TEST REPORTS 29852.01/29853.01/02/29854.01/02-106-13.
5. APPROVED GLAZING IS AS INDICATED IN THIS DRAWING.
6. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
7. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. WITH MASONRY OPENINGS, WOOD BUCKS ARE OPTIONAL.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.
9. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
10. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
11. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.
12. FOR ADDITIONAL REQUIREMENTS SEE GENERAL ANCHOR NOTES, SHEET 3.



TYP. ELEVATION  
SEE DETAILS SHEETS 2-4

Lucas Turner  
2025.09.19  
15:27:02 -05'00'

| DESIGN PRESSURE RATING | IMPACT RATING | GLAZING REQUIRED (SEE SHEET 4) |
|------------------------|---------------|--------------------------------|
| +70/-70 PSF            | NONE          | GLASS TYPE 1                   |



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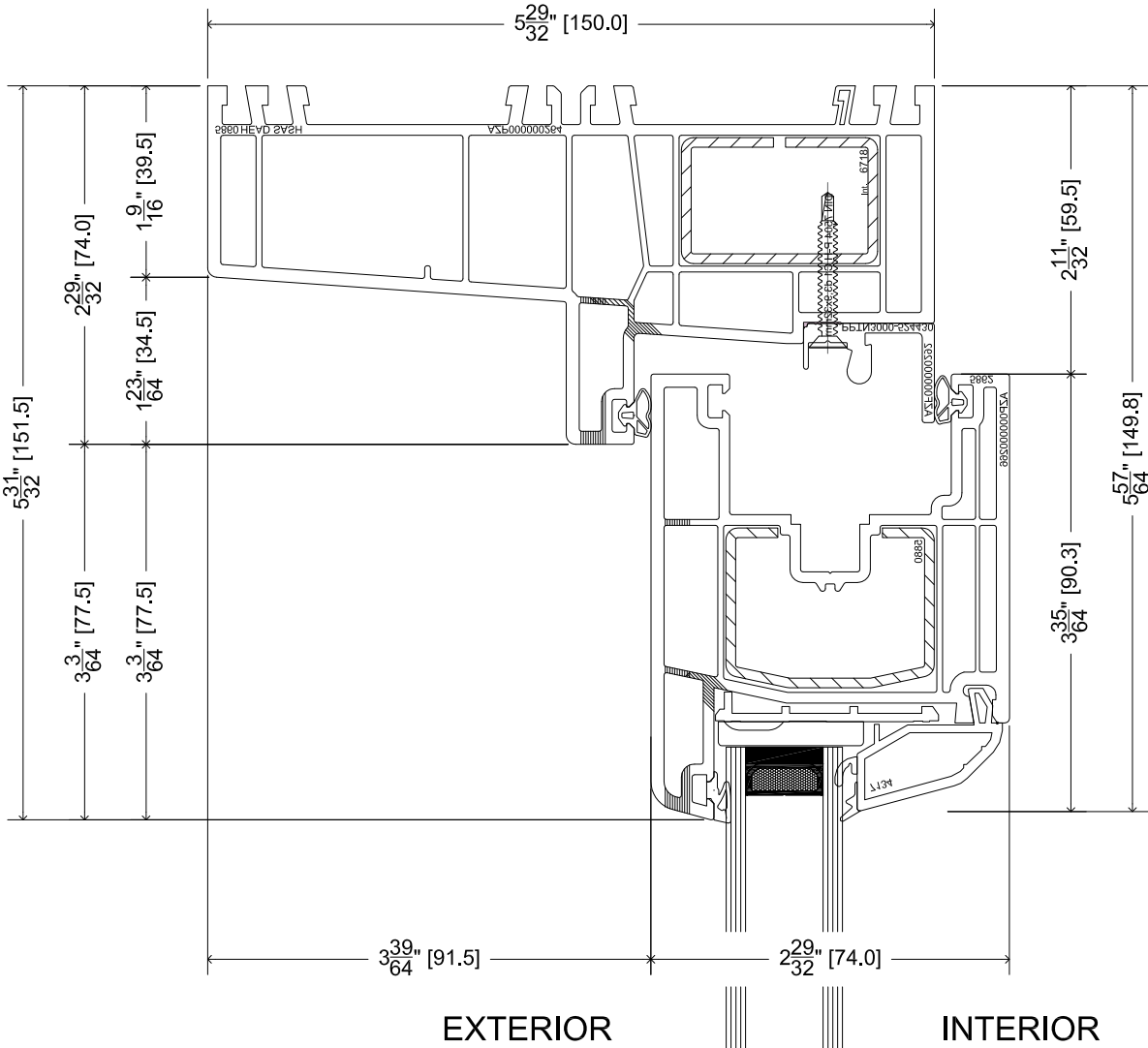
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| SCALE: NTS                                   | REV: 0                   |
| DRAWING: FPA-NEXTGEN-SD-NI                   | SHEET: 1 OF 6            |



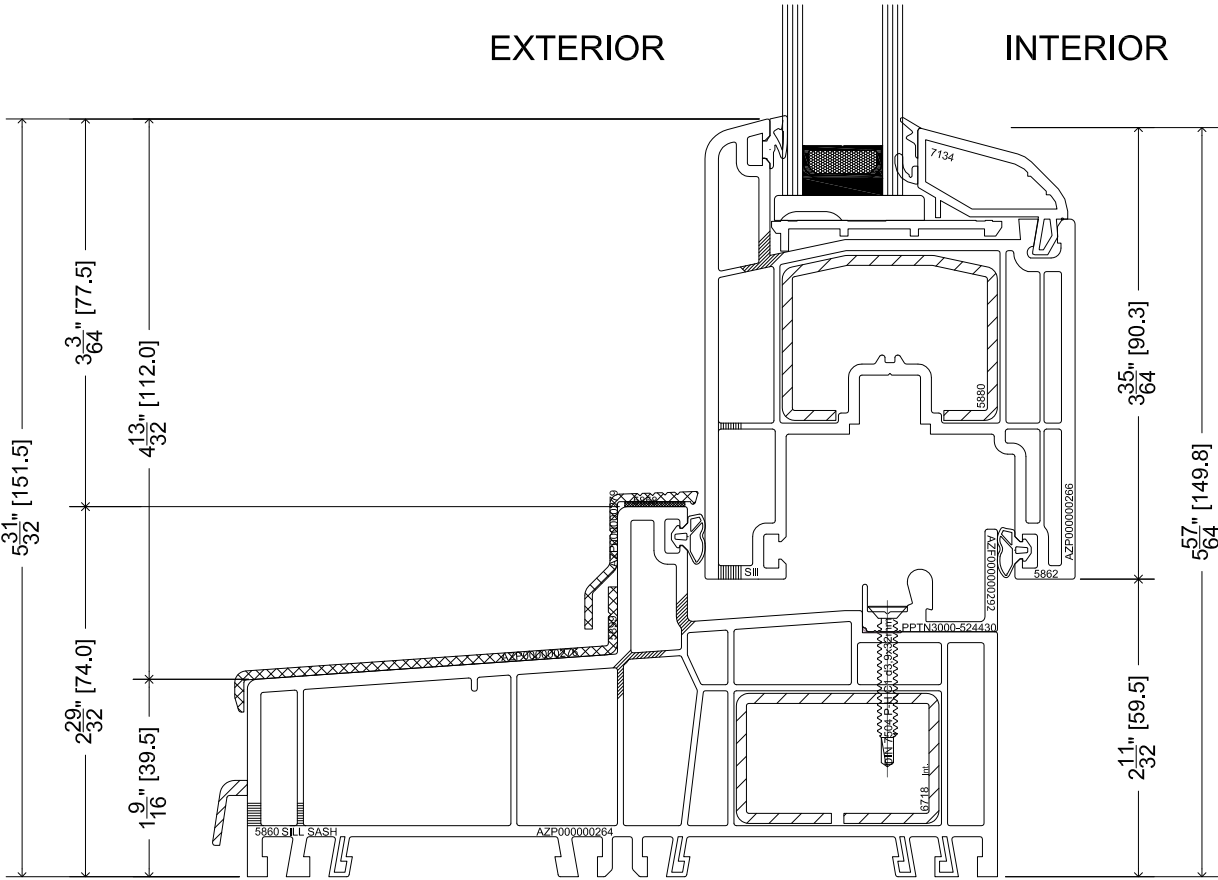
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NEXTGEN SLIDING DOOR, NON-IMPACT

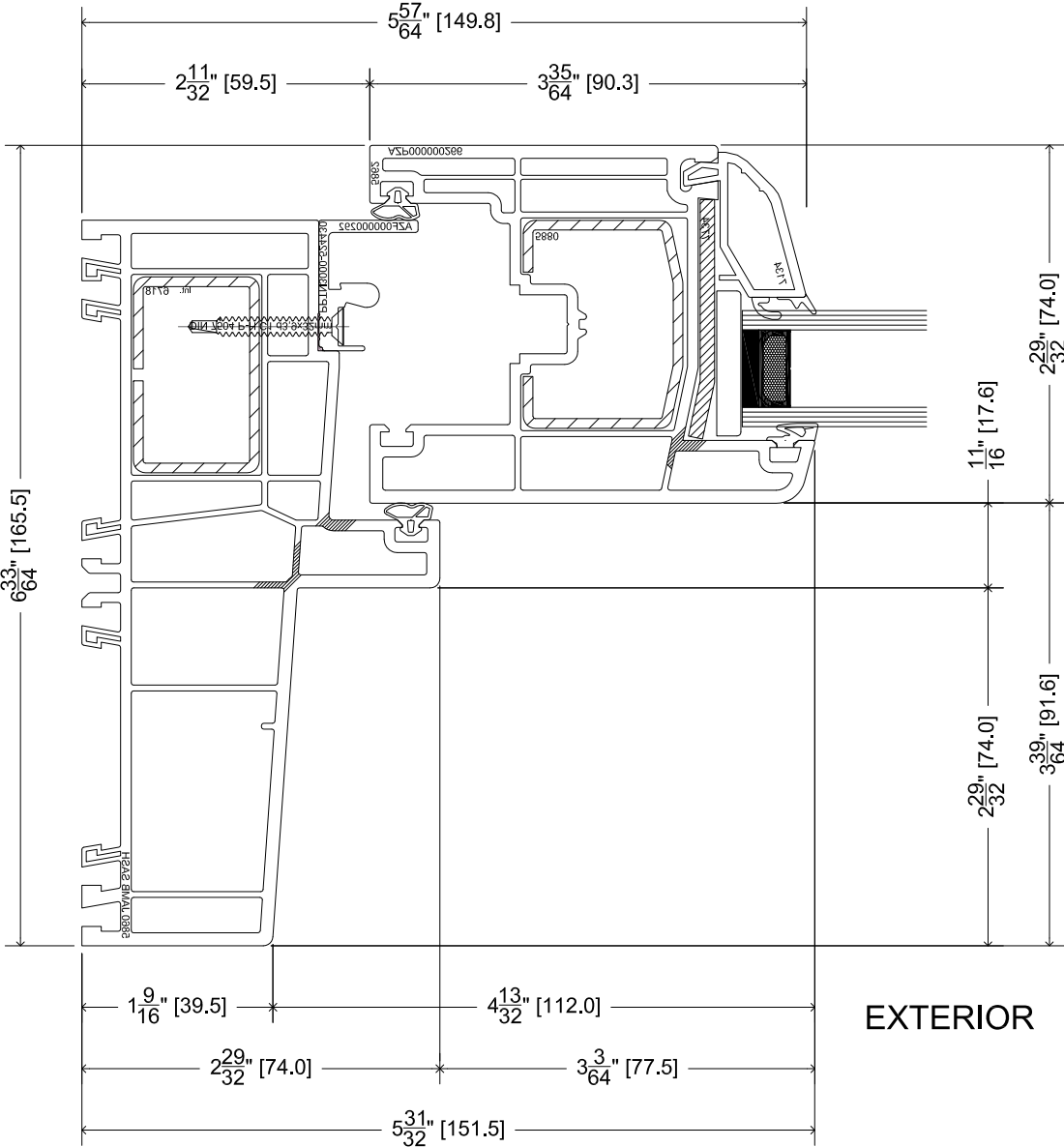
1  
2



2  
2



3  
2



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SHEET DESCRIPTION:  
SECTION DETAILS

SCALE: NTS

DRAWING: FPA-NEXTGEN-SD-NI

DATE DRAWN:  
3/30/2025

REV: 0

SHEET: 2 OF 6

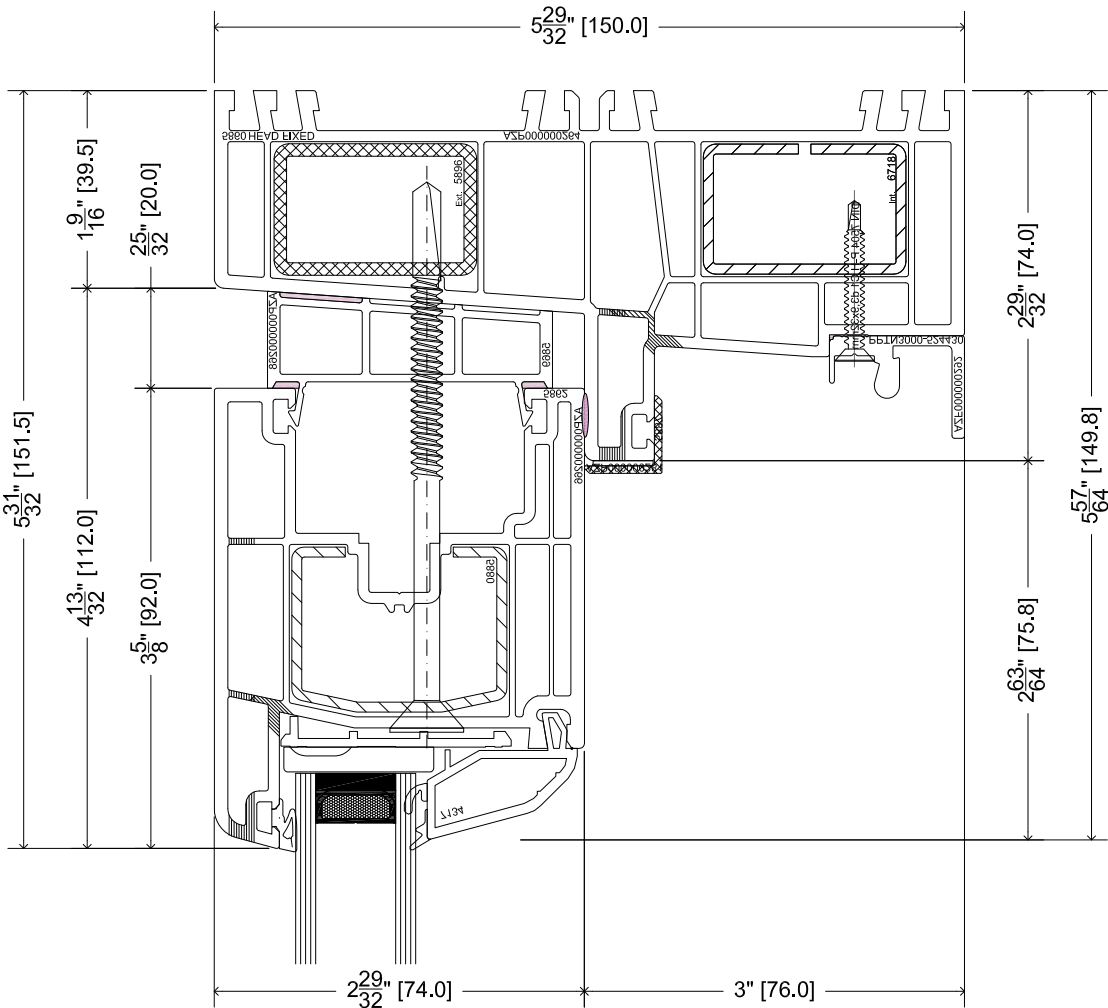


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NEXTGEN SLIDING DOOR, NON-IMPACT

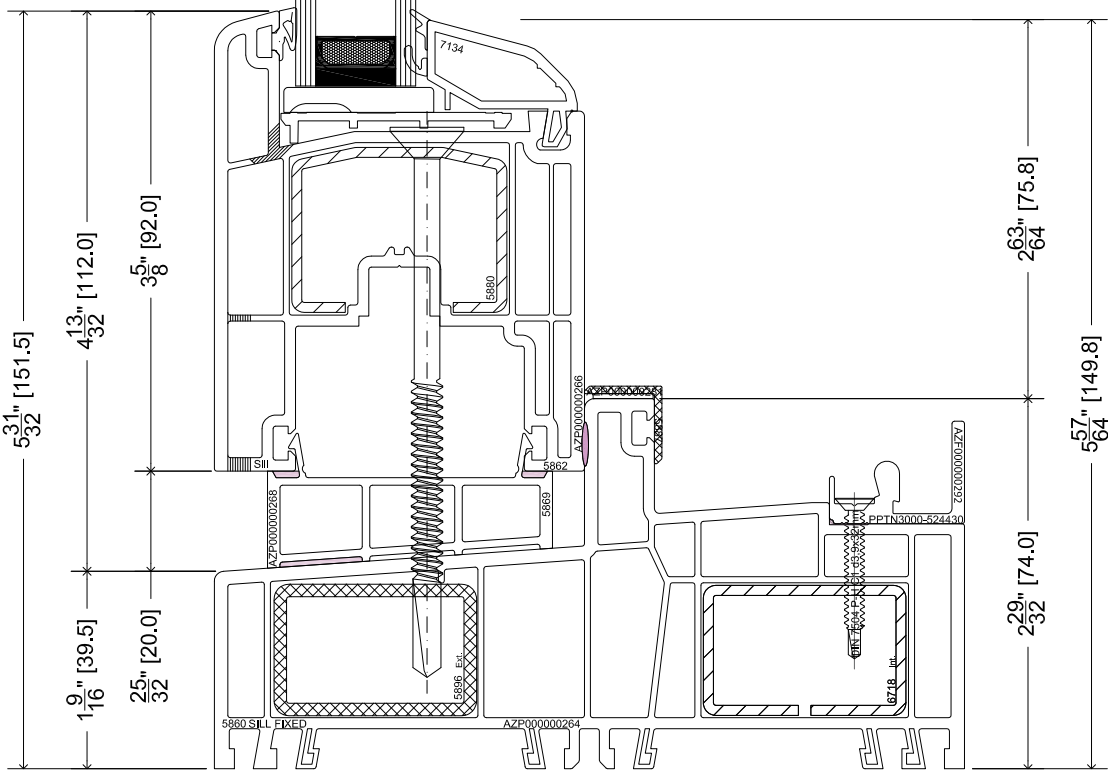
4  
3



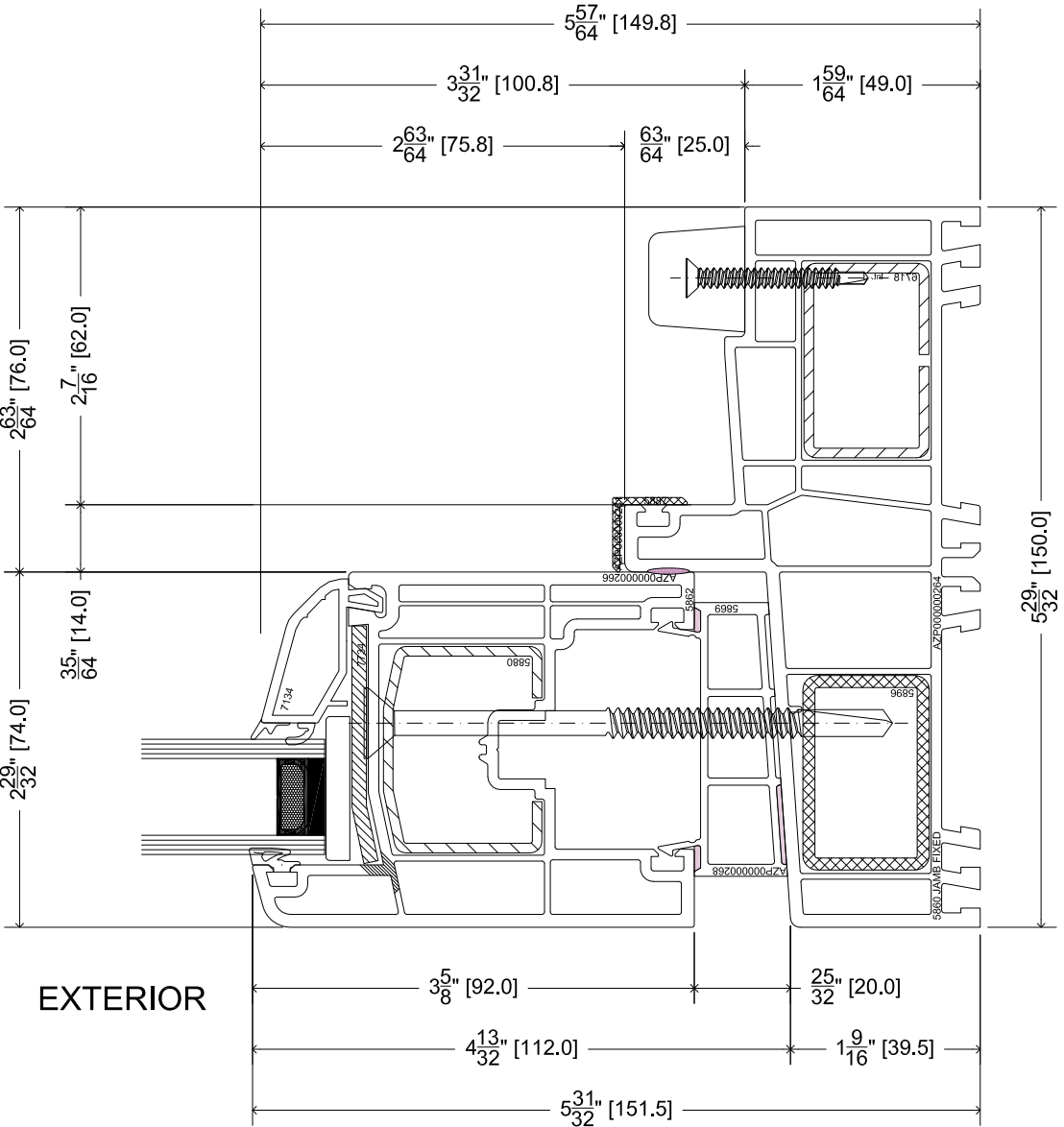
EXTERIOR

INTERIOR

5  
3



6  
3



EXTERIOR



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SHEET DESCRIPTION:  
SECTION DETAILS

DATE DRAWN:  
3/30/2025

SCALE: NTS

REV: 0

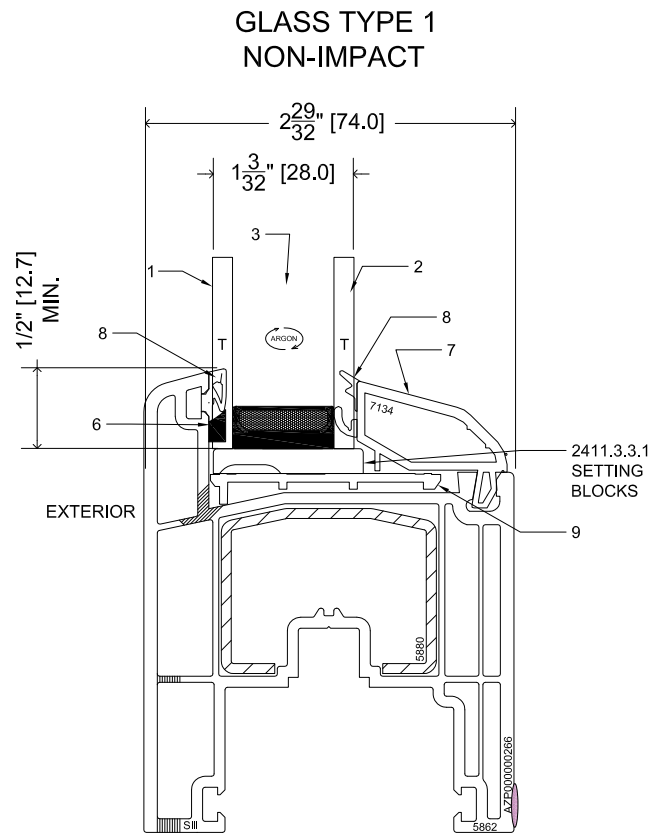
DRAWING: FPA-NEXTGEN-SD-NI

SHEET: 3 OF 6



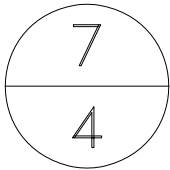
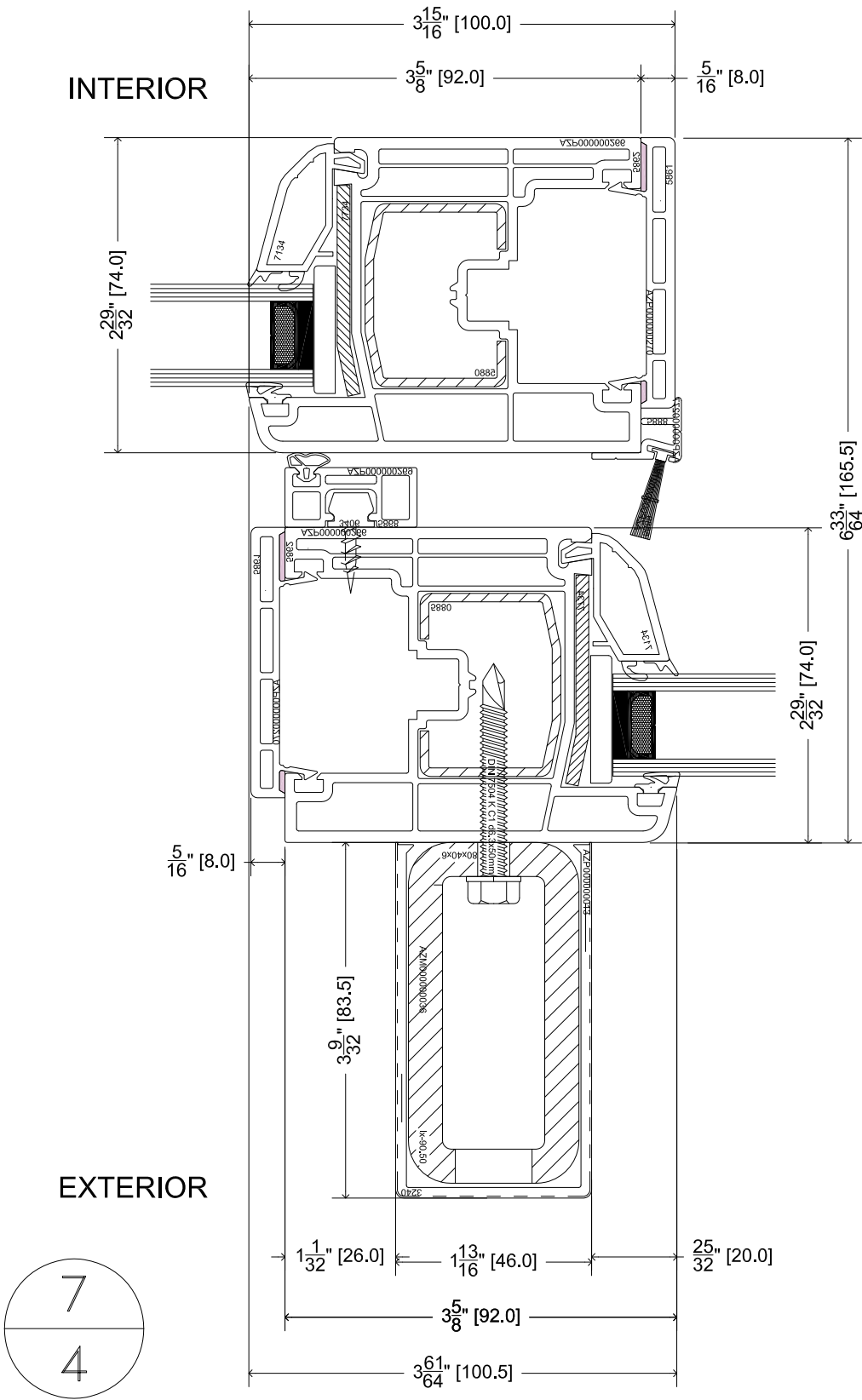
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NEXTGEN SLIDING DOOR, NON-IMPACT



- 1- Glass Pane 0.157" (4mm) Fully Tempered
- 2- Glass Pane 0.157" (4mm) Fully Tempered
- 3- 90% ARGON Space 0.472" (12mm)  
Swisspacer Advance Warm Edge
- 4-5- Not used
- 6- Tremco SG301 Sealant
- 7- Glazing Bead 7134
- 8- Flexible uPVC gasket
- 9- Plastic shim

TYPICAL GLAZING  
DETAIL



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SHEET DESCRIPTION:  
GLAZING, SECTION DETAIL

DATE DRAWN:  
3/30/2025

SCALE: NTS

REV: 0

DRAWING: FPA-NEXTGEN-SD-NI

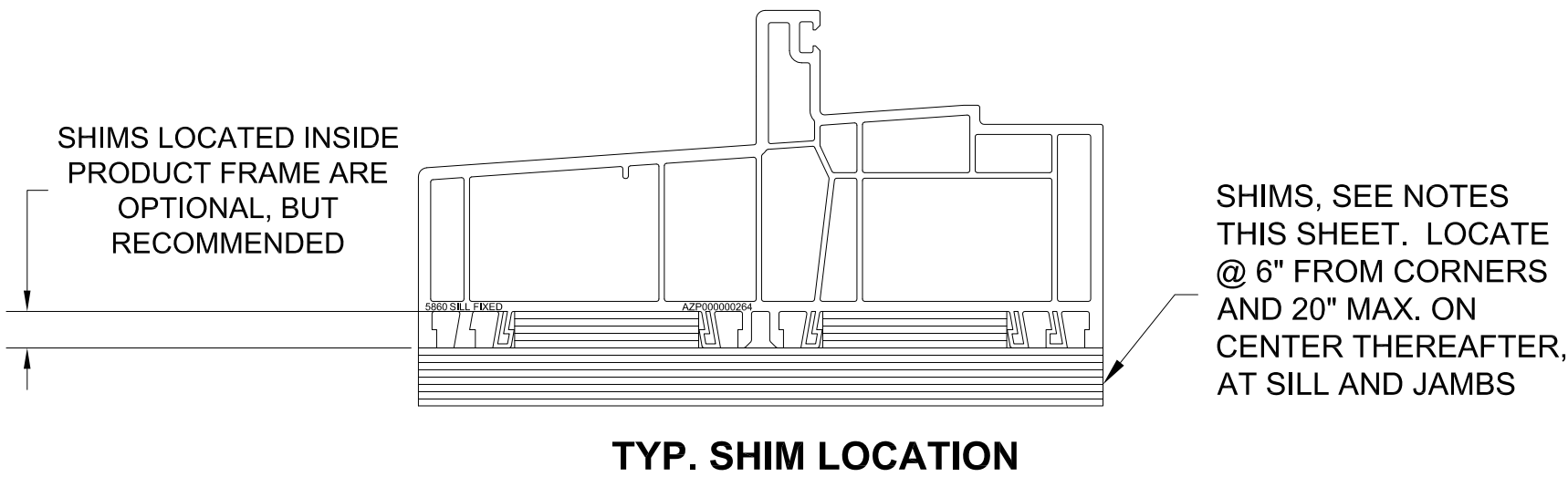
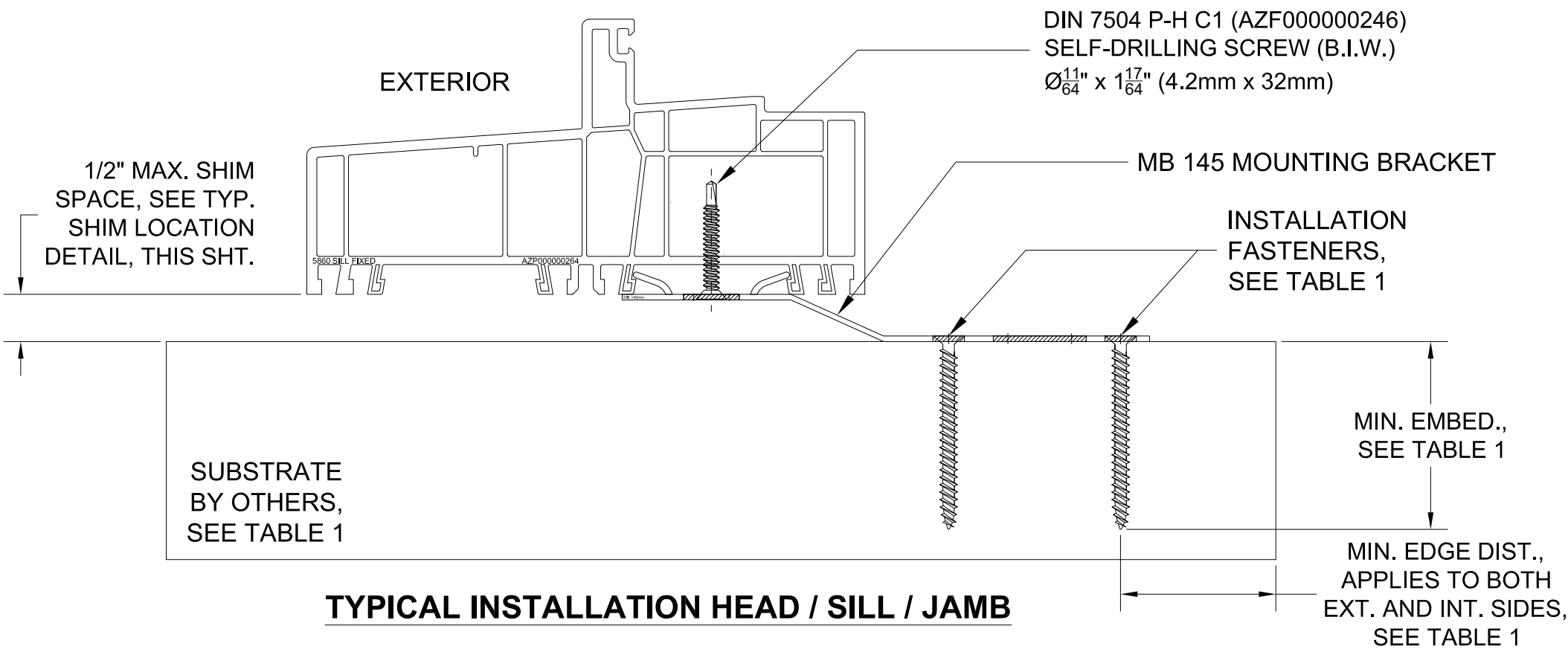
SHEET: 4 OF 6



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FL PE #58201

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NEXTGEN SLIDING DOOR, NON-IMPACT



- GENERAL ANCHOR NOTES:**
1. INSTALL ONE ANCHOR BRACKET AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 1. INSTALL ANCHOR BRACKET TO PRODUCT FRAME WITH ONE SELF-DRILLING SCREW AS INDICATED, AND INSTALL ANCHOR BRACKET TO OPENING SUBSTRATE USING TWO INSTALLATION FASTENERS IN ACCORDANCE WITH TABLE 1.
  2. INSTALL SHIMS AS INDICATED THIS SHEET, AT 6" FROM CORNERS AND 20" MAX. ON CENTER THEREAFTER AT JAMBS AND SILL.
  3. SHIMS SHALL BE LOAD-BEARING ABS PLASTIC CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
  4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
  5. FOR MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO MASONRY. WOOD BUCKS ARE OPTIONAL WITH MASONRY INSTALLATIONS WHERE MASONRY EDGE DISTANCE CONDITIONS ARE MET WITH NO BUCKS. WOOD BUCKS 1-1/2" THICK OR GREATER SHALL HAVE EMBEDMENT INTO THE WOOD BUCKS.
  6. ENSURE 1-1/2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.

TABLE 1: MB-145 MOUNTING BRACKET INSTALLATION ANCHOR REQUIREMENTS TABLE

| SUBSTRATE TYPE                                                                  | ANCHOR TYPE                                            | MIN. EMBED. | MIN. EDGE DIST. |
|---------------------------------------------------------------------------------|--------------------------------------------------------|-------------|-----------------|
| GROUT-FILLED CMU (ASTM C90)                                                     | 1/4" DEWALT ULTRACON+                                  | 1-3/4"      | 1"              |
| CONCRETE (3.05 KSI MIN.)                                                        | 1/4" DEWALT ULTRACON+                                  | 1-3/4"      | 1"              |
| 2X MIN. SOUTHERN PINE WOOD (G=0.55)                                             | #12 GRADE 5 WOOD SCREW                                 | 1-3/8"      | 1"              |
| 16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN. | #12-14 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW | FULL        | 1/2"            |



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SHEET DESCRIPTION:  
INSTALLATION

SCALE: NTS

DRAWING: FPA-NEXTGEN-SD-NI

DATE DRAWN:  
3/30/2025

REV: 0

SHEET: 5 OF 6

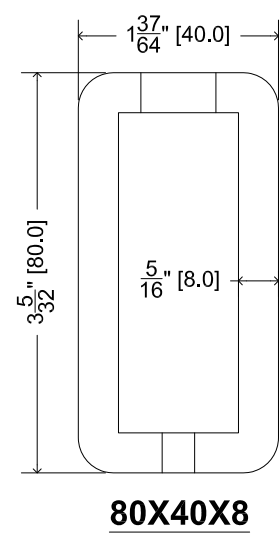
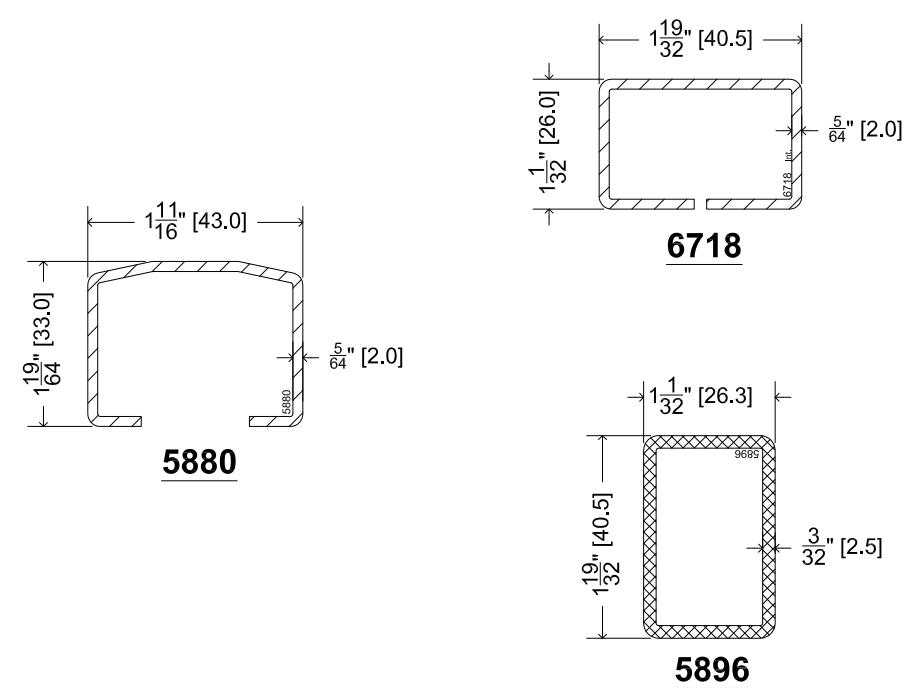
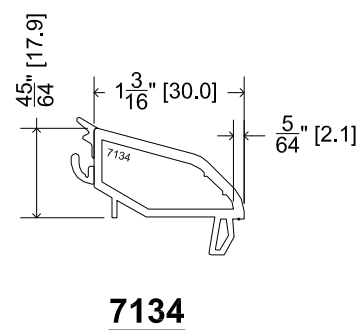
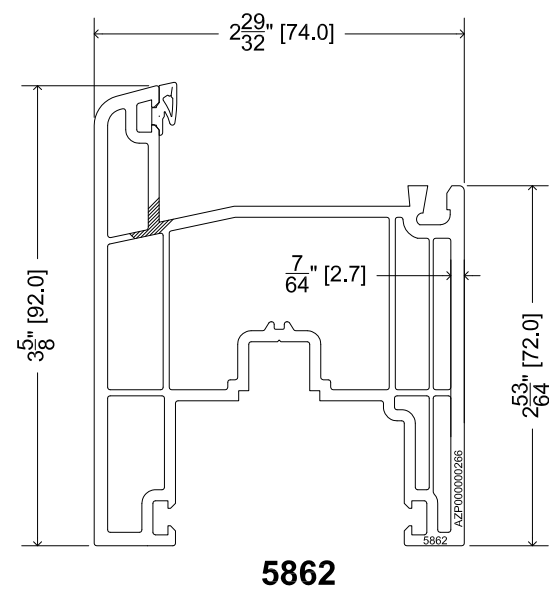
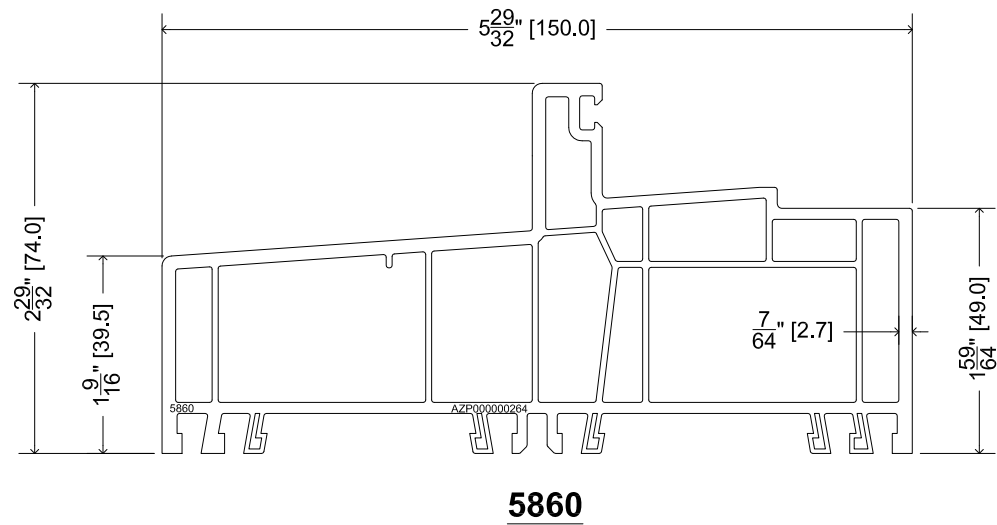


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| PART #  | DESCRIPTION          | SOURCE | MATERIAL    |
|---------|----------------------|--------|-------------|
| 5860    | FRAME HEAD/SILL/JAMB | GEALAN | uPVC        |
| 5862    | SASH                 | GEALAN | uPVC        |
| 7134    | GLAZING BEAD         | GEALAN | uPVC        |
| 80X40X8 | 80X40X8 REINF. STEEL | GEALAN | GALV. STEEL |
| 3240    | 80X40X8 COVER        | GEALAN | uPVC        |
| 5880    | SASH REINFORCEMENT   | GEALAN | GALV. STEEL |
| 5896    | FRAME REINFORCEMENT  | GEALAN | GALV. STEEL |
| 6718    | FRAME REINFORCEMENT  | GEALAN | GALV. STEEL |
| MB 145  | MOUNTING BRACKET     | GEALAN | GALV. STEEL |

NEXTGEN SLIDING DOOR, NON-IMPACT



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SHEET DESCRIPTION:  
 BOM, PART DWGS

DATE DRAWN:  
 3/30/2025

SCALE: NTS

REV: 0

DRAWING: FPA-NEXTGEN-SD-NI

SHEET: 6 OF 6



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