

GENERAL NOTES

1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
2. THIS PRODUCT HAS BEEN TESTED TO TAS 201/202/203–94, AND MEETS THE REQUIREMENTS OF THE 8TH ED. (2023) FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
3. ALLOWABLE CONFIGURATIONS OX, XO, OXX, XXO, OXXO, XX, XXX, AND XXXX
4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E–1300 GLASS TABLES, AND TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.
5. 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.
6. INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. WHEN INSTALLING INTO CONCRETE/MASONRY WITH WOOD BUCKS LESS THAN 1–1/2” THICK, ANCHOR EMBEDMENT SHALL BE INTO CONCRETE/MASONRY. WHEN INSTALLING INTO WOOD BUCKS 1–1/2” OR THICKER OVER CONCRETE/MASONRY, ANCHOR EMBEDMENT SHALL BE INTO THE WOOD.
7. 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 6063–T5 ALUMINUM. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS AND THE INSTALLATION SUBSTRATE.
8. 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.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT.
10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK, USE #12 GRADE 5 STEEL WOOD SCREWS WITH 1–3/8” MINIMUM EMBEDMENT INTO SUBSTRATE AND 1” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO MASONRY/CONCRETE, USE 1/4” DEWALT ULTRACONS WITH A 1 3/4” MINIMUM EMBEDMENT AND 1” MINIMUM EDGE DISTANCE INTO SOLID CONCRETE, OR 1 1/4” MINIMUM EMBEDMENT AND 1” MINIMUM EDGE DISTANCE INTO CMU. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. MASONRY/CONCRETE SHALL NOT BE CRACKED.
12. FOR ANCHORING INTO 0.060” MINIMUM 33KSI STEEL, USE #12 ITW BUILDTEX TEKS SELECT SELF–DRILLING STRUCTURAL FASTENERS (GRADE 5) WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS AND MIN. 3 THREADS BEYOND, AND 1/2” MINIMUM EDGE DISTANCE. FOR ANCHORING INTO 1/8” MINIMUM THICKNESS 6063–T5 ALUMINUM OR 33KSI STEEL, USE #12 GRADE 5 SELF–DRILLING FASTENER WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS AND MIN. 3 THREADS BEYOND, AND 1/2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER’S INSTRUCTIONS AND MINIMUM SUBSTRATE STRENGTH SHALL BE AS FOLLOWS:
- WOOD – MIN. SPECIFIC GRAVITY OF 0.42 (SPRUCE–PINE–FIR)

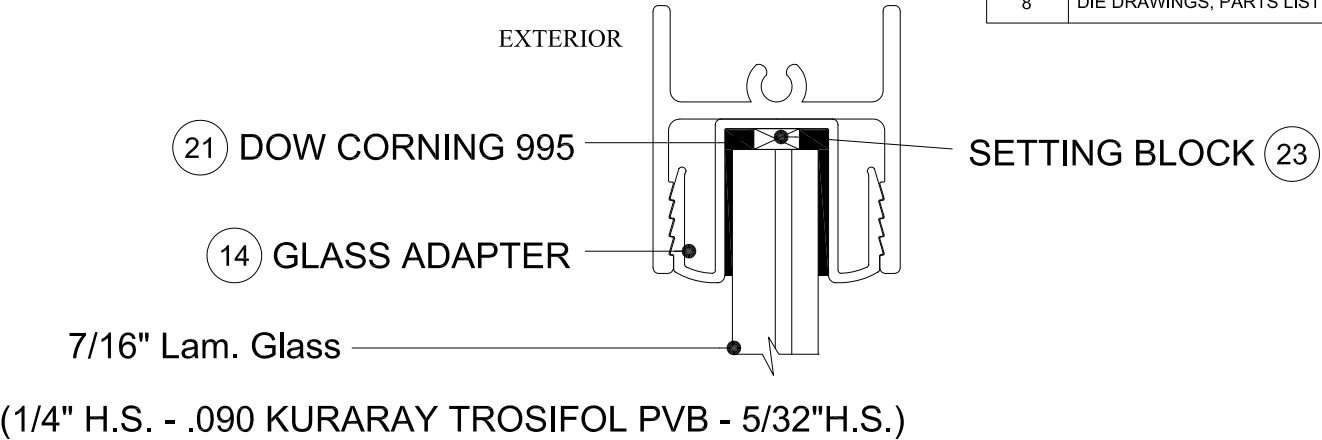
SOLID CONCRETE – 3.05 KSI MIN. COMPRESSIVE STRENGTH

MASONRY/CMU – STRENGTH CONFORMANCE TO ASTM C–90

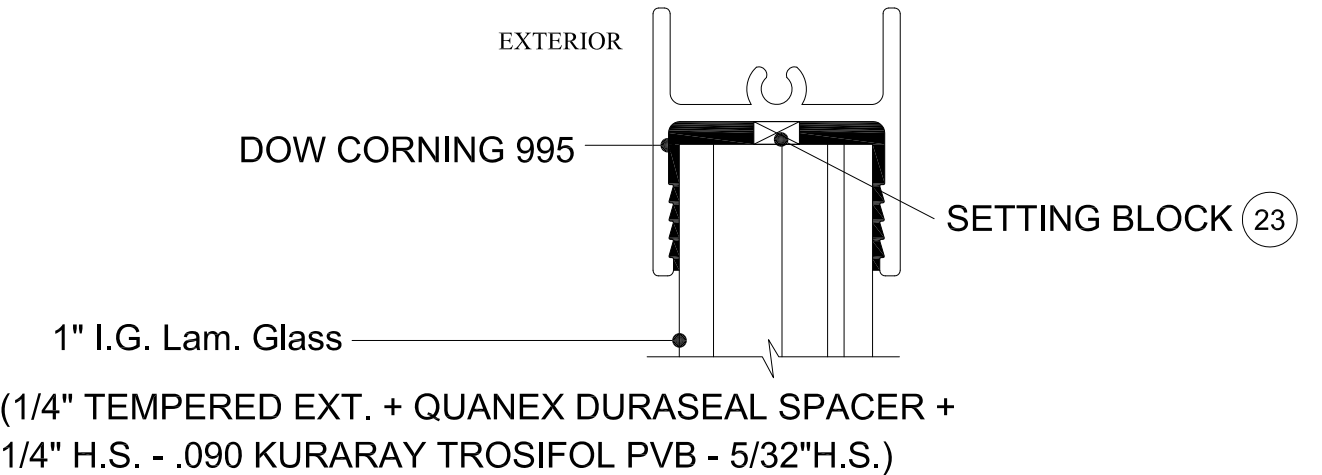
STEEL – 33 KSI MIN. YIELD

ALUMINUM – 6063–T5 MIN.

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| 7                 | ASSEMBLY DETAILS                                |
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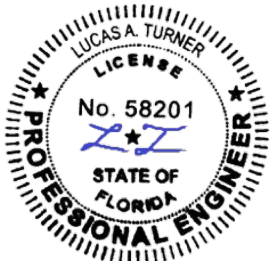
TYP. GLAZING DETAIL, 7/16"

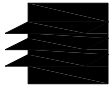


TYP. GLAZING DETAIL, 1" I.G.

| MAX. DLO SIZE     | DESIGN PRESSURE RATING | IMPACT RATING           |
|-------------------|------------------------|-------------------------|
| 42-1/2" X 88-7/8" | +/-60 PSF              | LARGE AND SMALL MISSILE |

Lucas Turner  
2026.09.01  
11:06:19 -05'00'



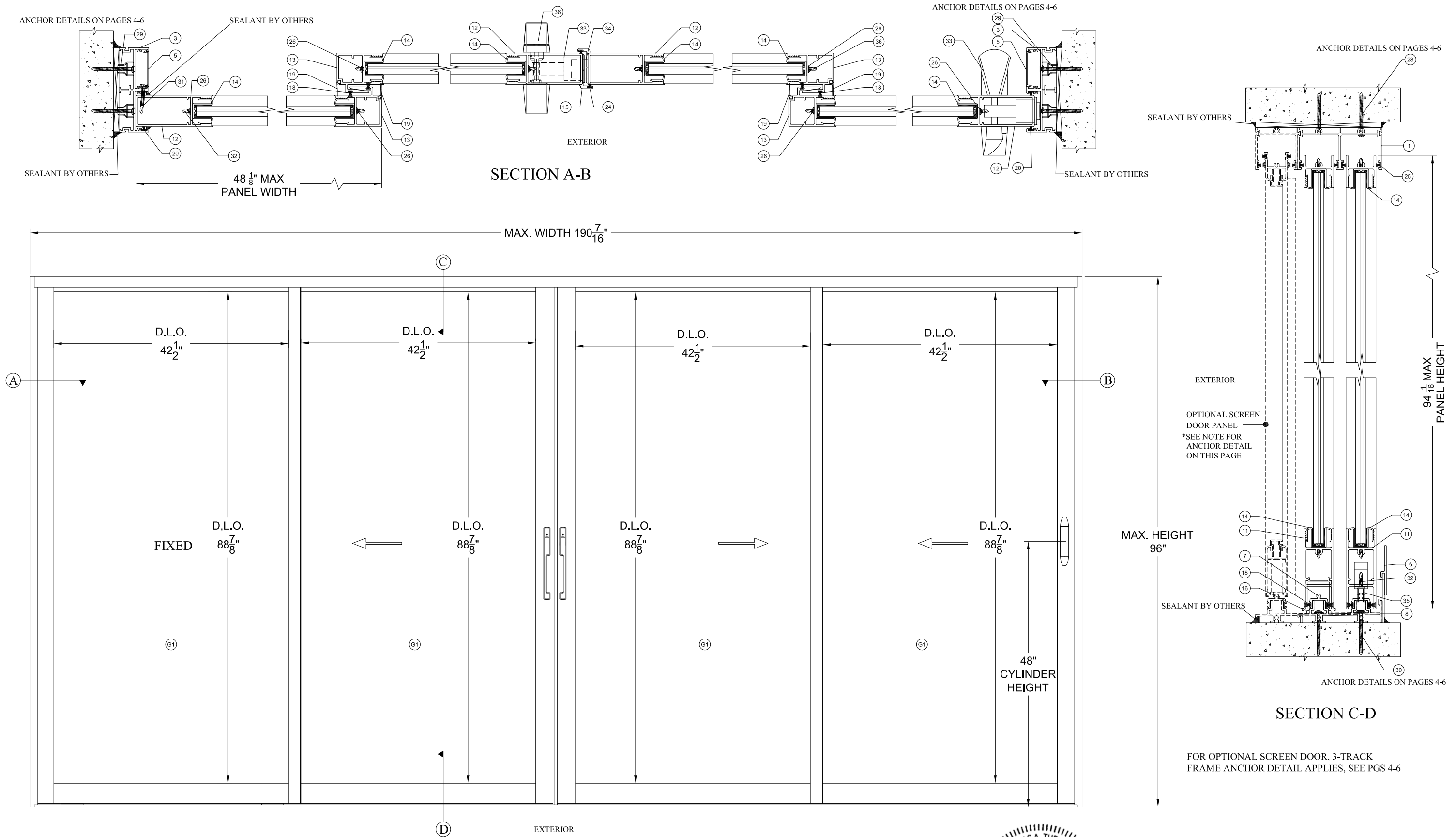


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windows and doors

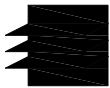
P.O. Box 2097 Barceloneta, P.R. 00617,  
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|                  |            |                        |             |
|------------------|------------|------------------------|-------------|
| DESIGNED         | DATED      | PRODUCT NAME           |             |
| DRAWN J.ORTIZ    | 12/11/2024 | SLIDING DOOR HP LD AIR |             |
| CHECK F.MORALES  | 12/11/2024 |                        |             |
| APPRV. LMEGWNOFF | 12/11/2024 |                        |             |
| REVISION         |            |                        |             |
| B                |            | DRW.#: FPA-SGD-AIR     | PAGE 1 OF 8 |



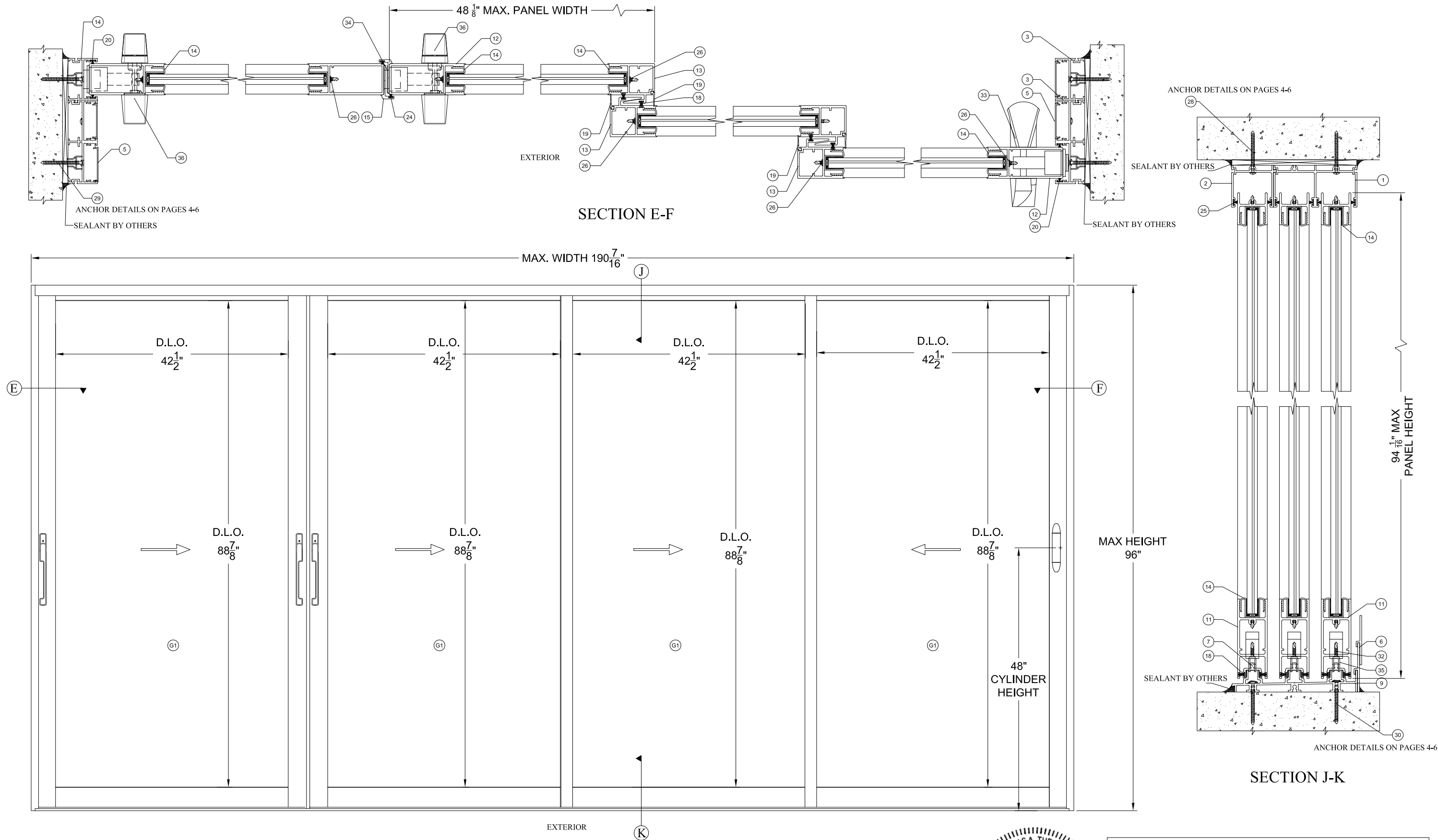
NOTE: 7/16" LAM. GLASS SHOWN THIS SHEET, I.G. ALLOWED, SEE GLAZING DETAIL OPTIONS, SHEET 1

SAMPLE ELEVATION 4 PANELS / 2 TRACKS



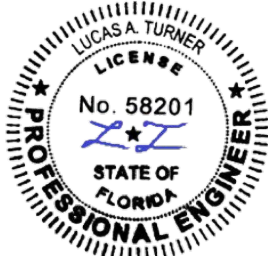
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| DESIGNED |            | DATED      | PRODUCT NAME           |             |
|----------|------------|------------|------------------------|-------------|
| DRAWN    | J.ORTIZ    | 12/11/2024 | SLIDING DOOR HP LD AIR |             |
| CHECK    | F.MORALES  | 12/11/2024 |                        |             |
| APPRV.   | LMEGWINOFF | 12/11/2024 |                        |             |
| REVISION |            |            |                        |             |
| B        |            |            | DRW.#: FPA-SGD-AIR     | PAGE 2 OF 8 |



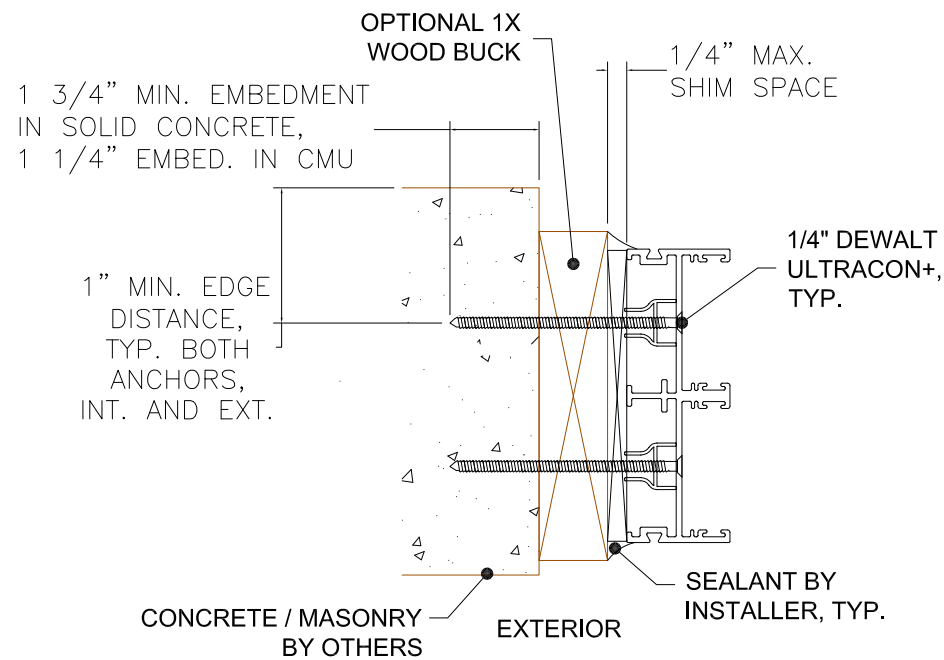
NOTE: 7/16" LAM. GLASS SHOWN THIS SHEET, I.G. ALLOWED, SEE GLAZING DETAIL OPTIONS, SHEET 1

SAMPLE ELEVATION 4 PANELS / 3 TRACKS

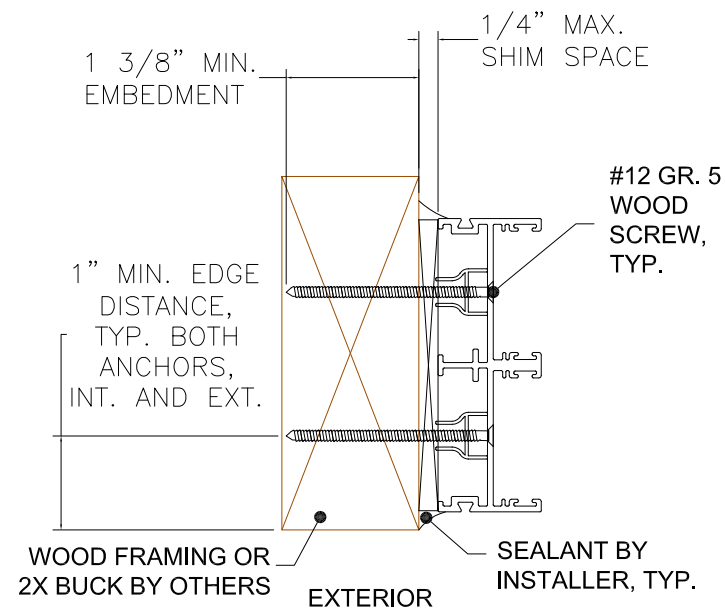


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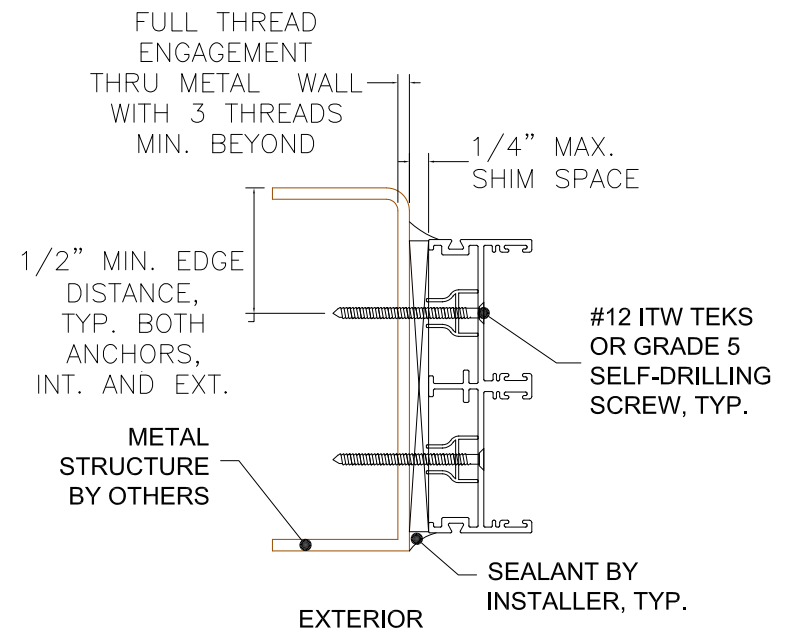
| DESIGNED           | DATED      | PRODUCT NAME                   |
|--------------------|------------|--------------------------------|
| DRAWN J.ORTIZ      | 12/11/2024 | SLIDING DOOR HP LD AIR         |
| CHECK F.MORALES    | 12/11/2024 |                                |
| APPRV. L.MEGWINOFF | 12/11/2024 |                                |
| REVISION           |            |                                |
| B                  |            | DRW.#: FPA-SGD-AIR PAGE 3 OF 8 |



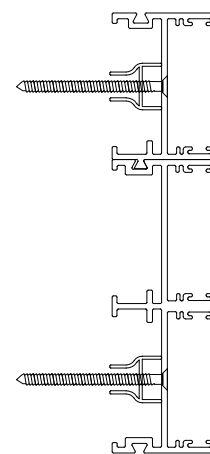
**TYPICAL JAMB INSTALLATION**  
CONCRETE/MASONRY INSTALLATION



**TYPICAL JAMB INSTALLATION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**TYPICAL JAMB INSTALLATION**  
METAL STRUCTURE INSTALLATION

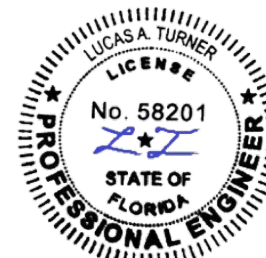


**TYPICAL 3-TRACK JAMB ANCHOR LOCATIONS**  
FOR ALL OTHER INSTALLATION REQUIREMENTS  
SEE 2-TRACK DETAILS ABOVE

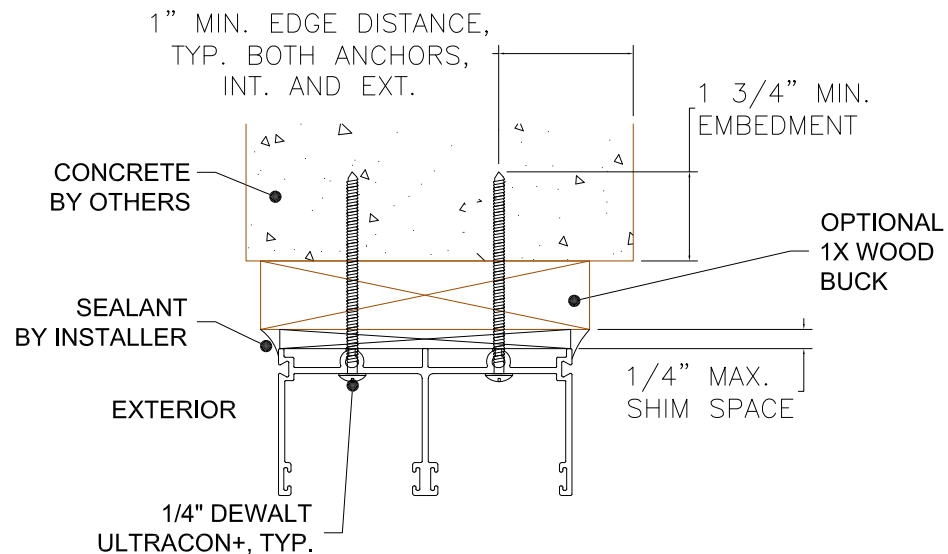
**GENERAL ANCHOR NOTES:**

1. INSTALL ANCHORS AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN SHEET 6.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.
5. MINIMUM CENTER-TO-CENTER DISTANCE OF ALL INSTALL FASTENERS AT HEAD/SILL IS 4", AND AT JAMBS IS 1-1/2"

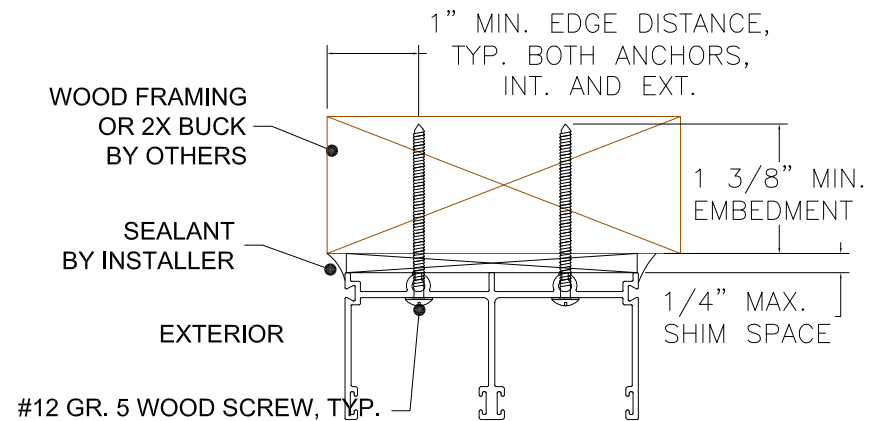
8/31/2026  
LUCAS TURNER, FL PE 58201 | TURNER ENGINEERING & CONSULTING, INC.  
2428 OLD NATCHEZ TRACE TRL., CAMDEN, TN, 38320 | PH 941-380-1574



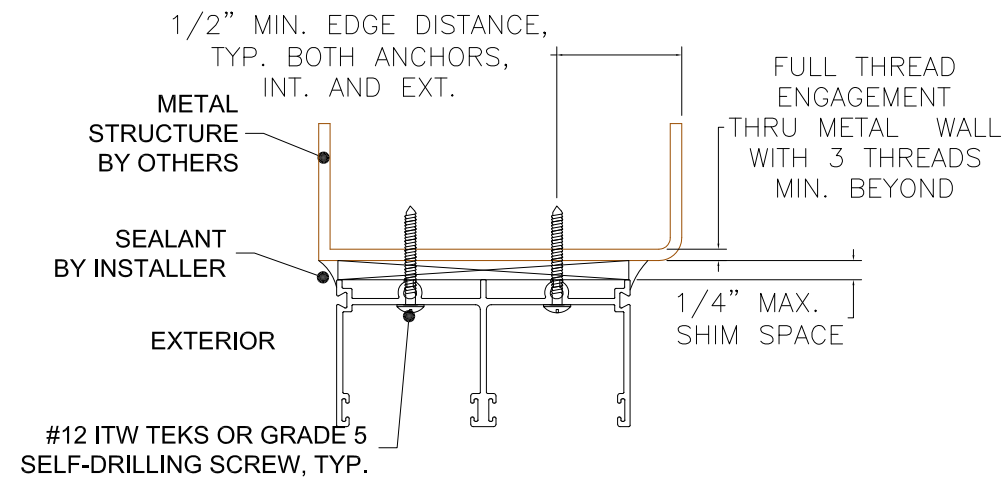
|                                                                                       |             |                                                                                                                                                                               |                        |
|---------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|  |             | <h1>AIR MASTER</h1> <p>windows and doors<br/>P.O. Box 2097 Barceloneta, P.R. 00617,<br/>TEL. (787) 623-1800, <a href="http://www.airmasterpr.com">www.airmasterpr.com</a></p> |                        |
| DESIGNED                                                                              |             | DATED                                                                                                                                                                         | PRODUCT NAME           |
| DRAWN                                                                                 | J.ORTIZ     | 12/11/2024                                                                                                                                                                    | SLIDING DOOR HP LD AIR |
| CHECK                                                                                 | F.MORALES   | 12/11/2024                                                                                                                                                                    |                        |
| APPRV.                                                                                | L.MEGWINOFF | 12/11/2024                                                                                                                                                                    |                        |
| REVISION                                                                              |             |                                                                                                                                                                               |                        |
| B                                                                                     |             | DRW.#: FPA-SGD-AIR                                                                                                                                                            | PAGE 4 OF 8            |



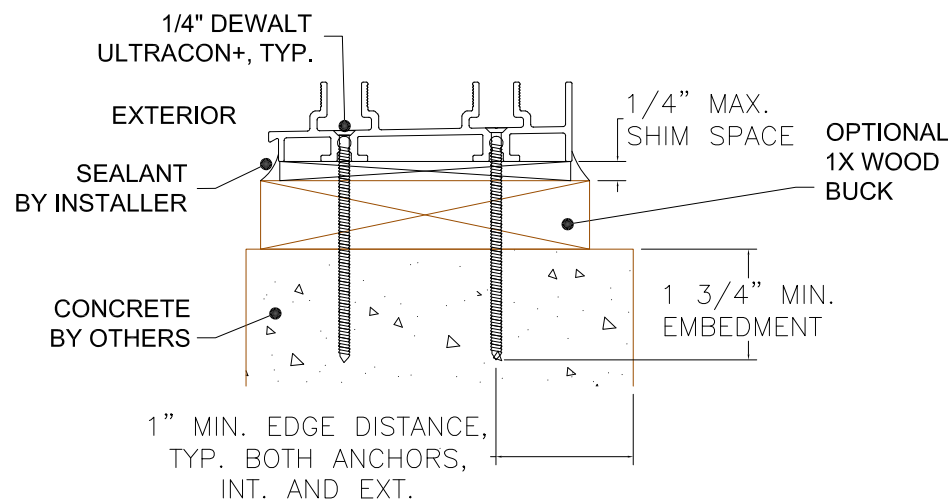
**TYPICAL HEAD INSTALLATION**  
CONCRETE INSTALLATION



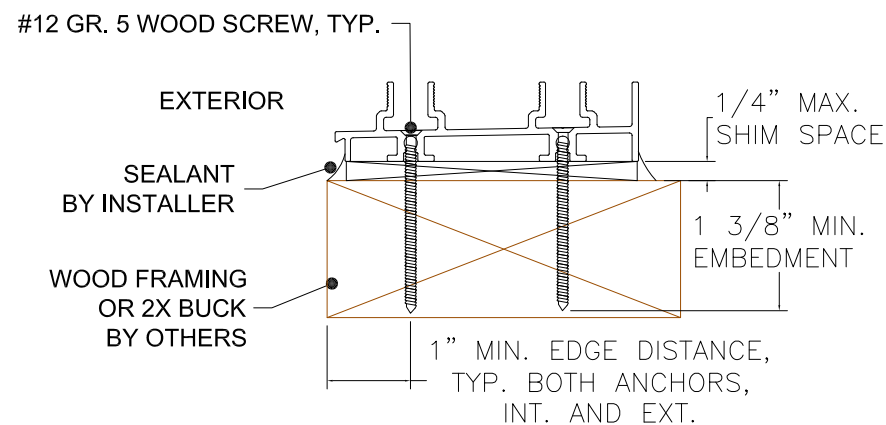
**TYPICAL HEAD INSTALLATION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



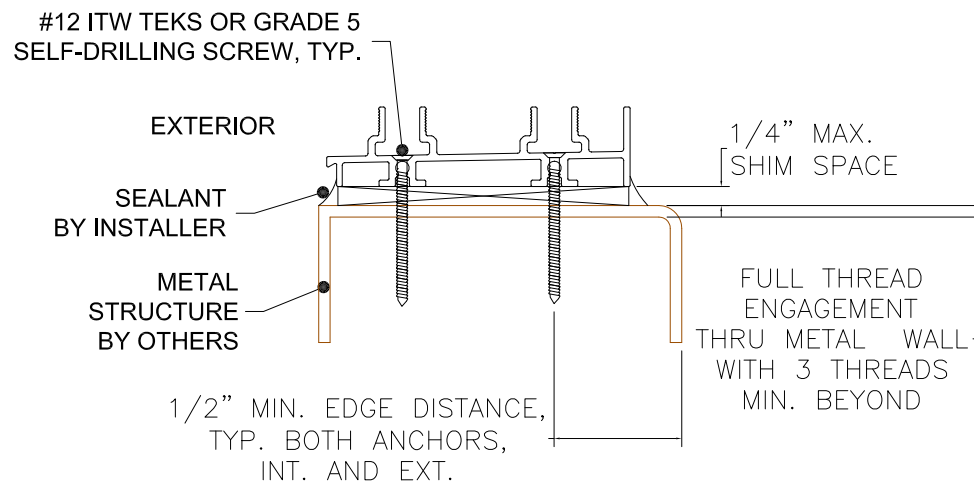
**TYPICAL HEAD INSTALLATION**  
METAL STRUCTURE INSTALLATION



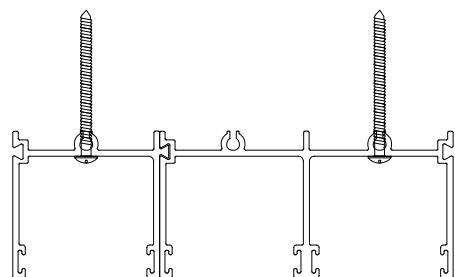
**TYPICAL SILL INSTALLATION**  
CONCRETE INSTALLATION



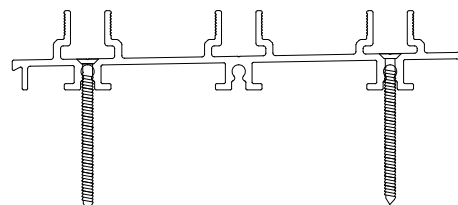
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WOOD FRAMING OR 2X BUCK INSTALLATION



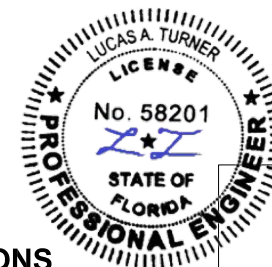
**TYPICAL SILL INSTALLATION**  
METAL STRUCTURE INSTALLATION



**TYPICAL 3-TRACK HEAD ANCHOR LOCATIONS**  
FOR ALL OTHER INSTALLATION REQUIREMENTS  
SEE 2-TRACK DETAILS ABOVE

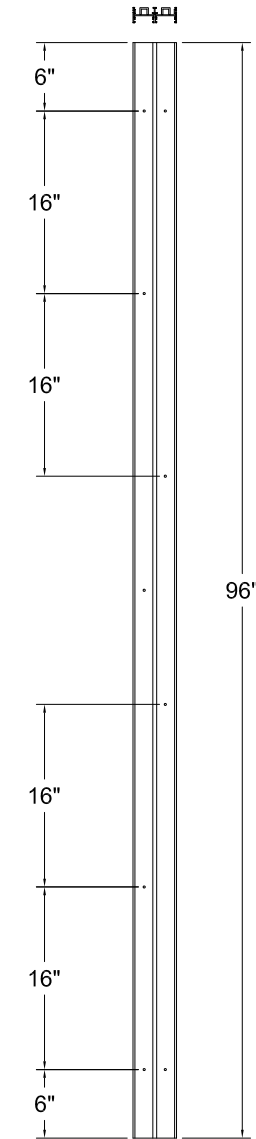


**TYPICAL 3-TRACK SILL ANCHOR LOCATIONS**  
FOR ALL OTHER INSTALLATION REQUIREMENTS  
SEE 2-TRACK DETAILS ABOVE

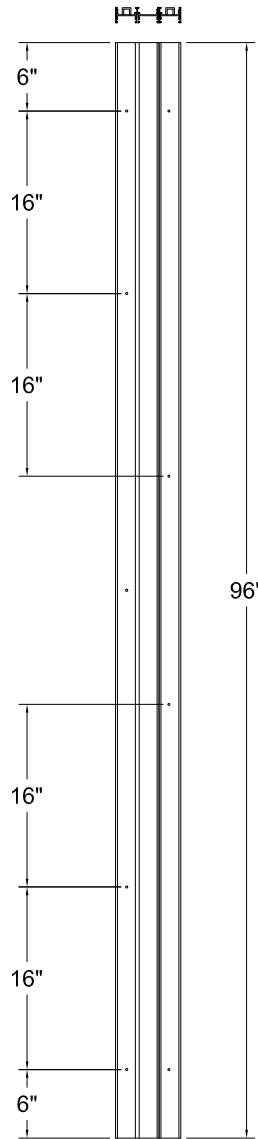


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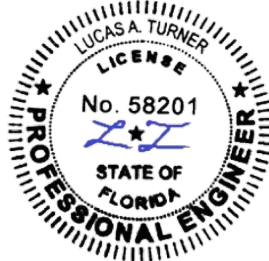
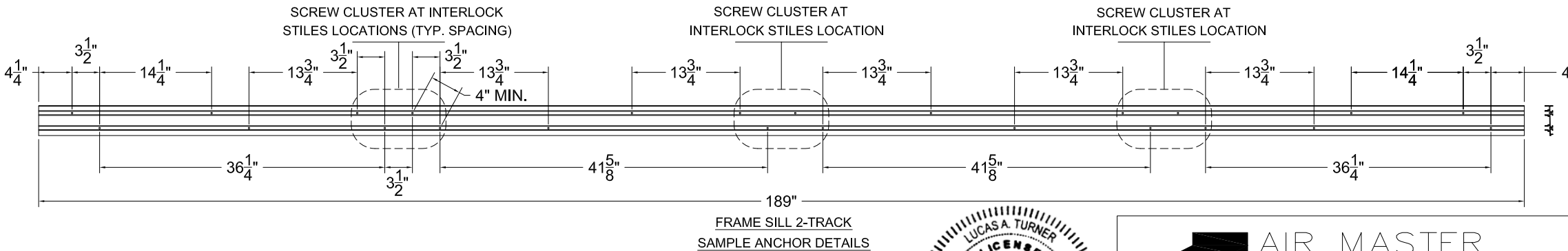
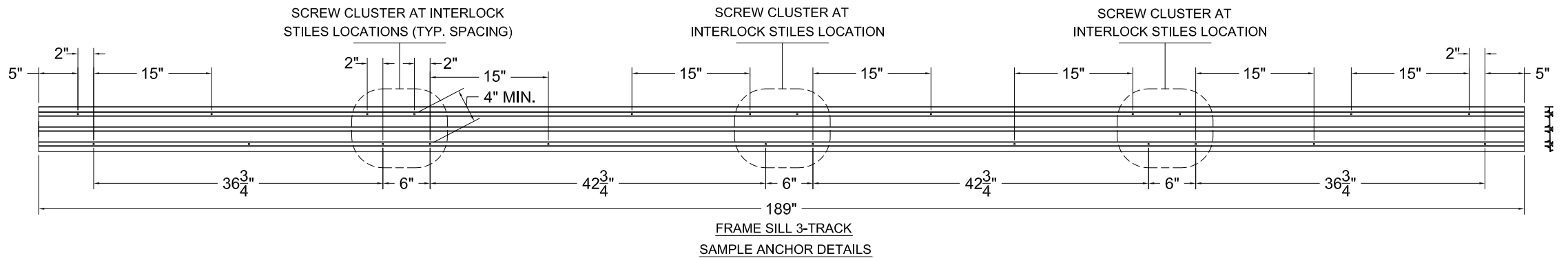
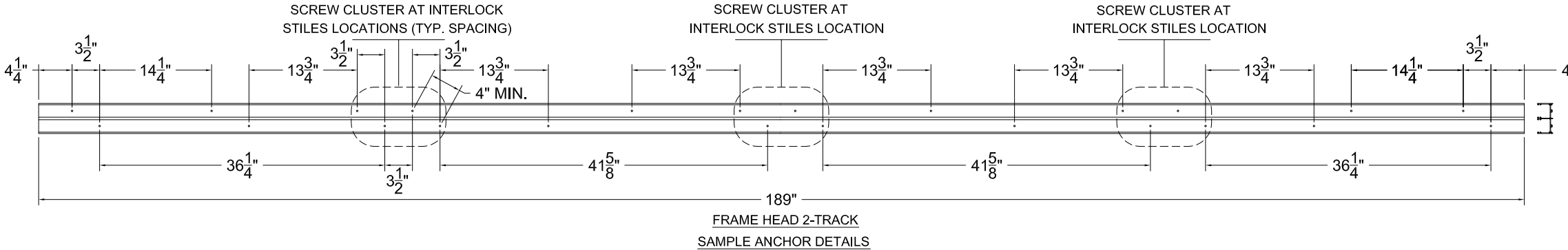
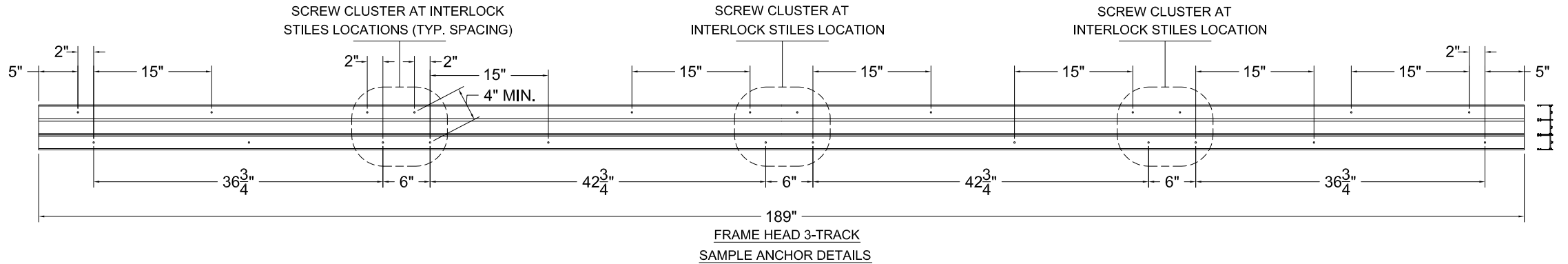
| DESIGNED           | DATED      | PRODUCT NAME           |
|--------------------|------------|------------------------|
| DRAWN J.ORTIZ      | 12/11/2024 | SLIDING DOOR HP LD AIR |
| CHECK F.MORALES    | 12/11/2024 |                        |
| APPRV. L.MEGWINOFF | 12/11/2024 |                        |
| REVISION           |            |                        |
| B                  |            | DRW.#: FPA-SGD-AIR     |



FRAME JAMB 2-TRACK  
SAMPLE ANCHOR DETAILS

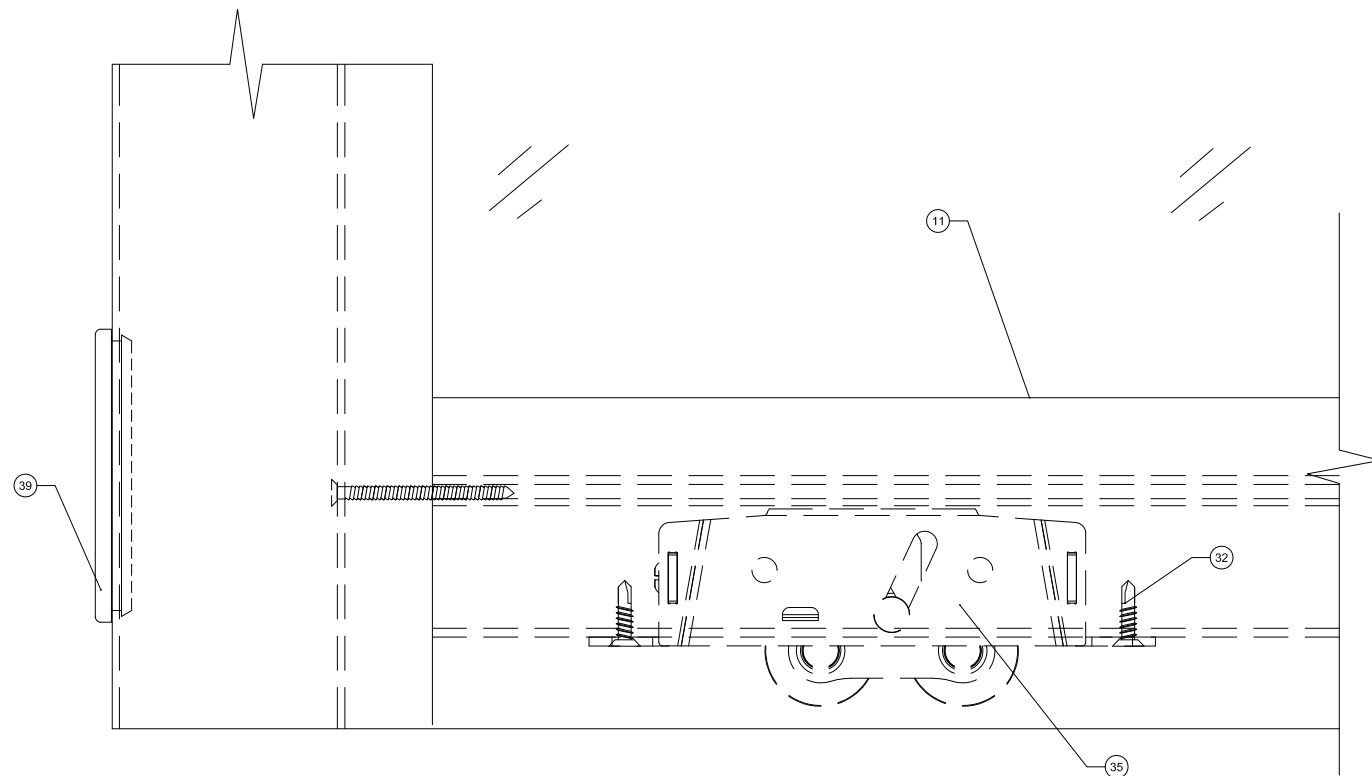
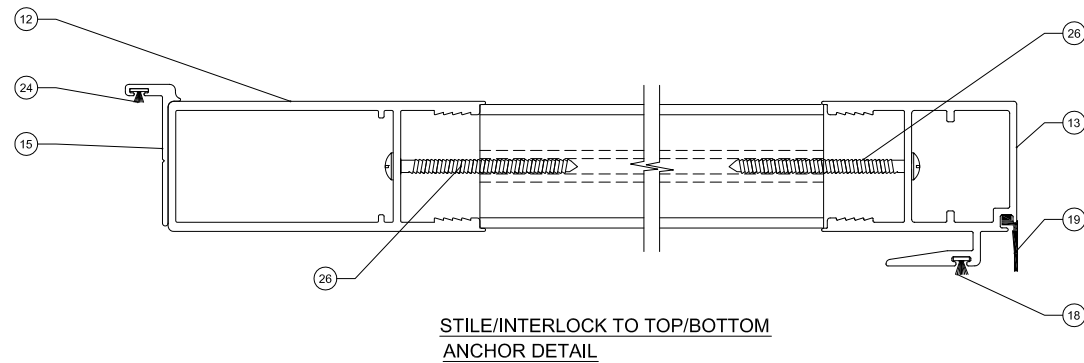
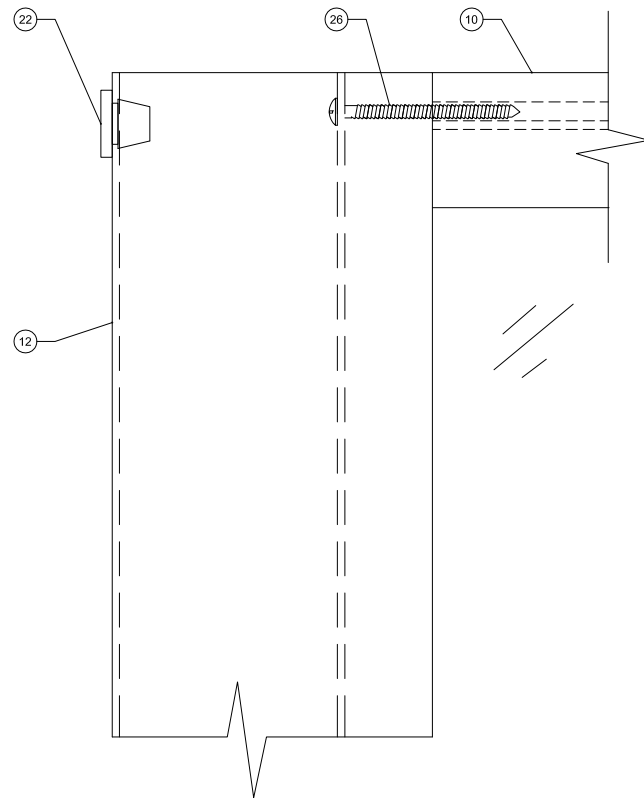


FRAME JAMB 3-TRACK  
SAMPLE ANCHOR DETAILS

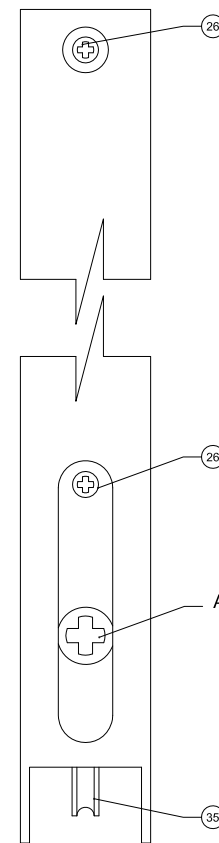


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| DESIGNED |            | DATED      | PRODUCT NAME           |             |
|----------|------------|------------|------------------------|-------------|
| DRAWN    | J.ORTIZ    | 12/11/2024 | SLIDING DOOR HP LD AIR |             |
| CHECK    | F.MORALES  | 12/11/2024 |                        |             |
| APPRV.   | LMEGWINOFF | 12/11/2024 |                        |             |
| REVISION |            |            |                        |             |
| B        |            |            | DRW.#: FPA-SGD-AIR     | PAGE 6 OF 8 |

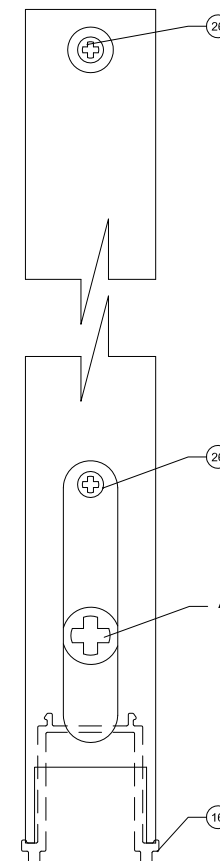


ROLLERS ANCHOR DETAIL



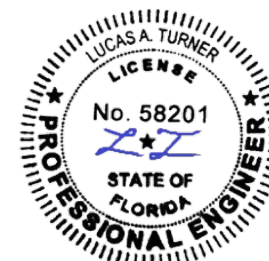
TANDEM ROLLERS ANCHOR DETAIL

SIDE VIEW



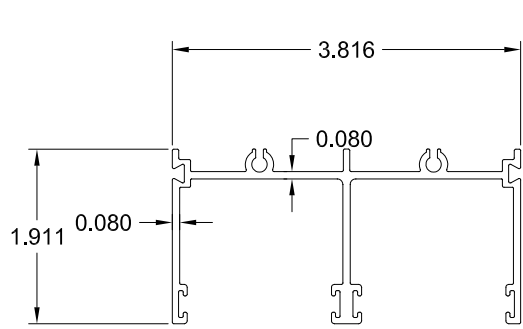
FIX PANEL ADAPTER DETAIL

SIDE VIEW

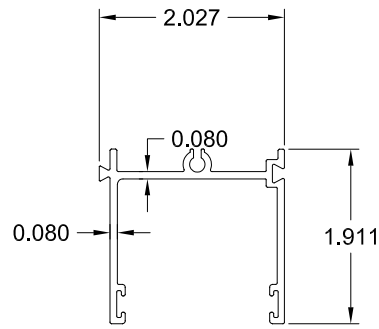


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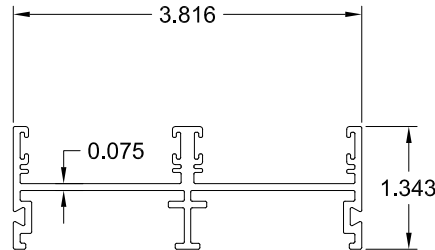
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| DRAWN J.ORTIZ      | 12/11/2024 | SLIDING DOOR HP LD AIR |             |
| CHECK F.MORALES    | 12/11/2024 |                        |             |
| APPRV. L.MEGWINOFF | 12/11/2024 |                        |             |
| REVISION           |            |                        |             |
| B                  |            | DRW.#: FPA-SGD-AIR     | PAGE 7 OF 8 |



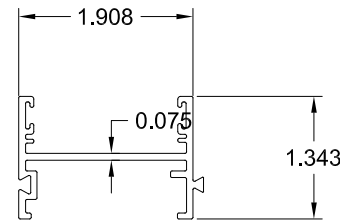
1. FRAME HEAD



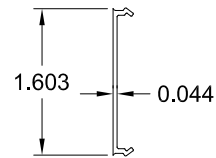
2. FRAME HEAD  
ADAPTER



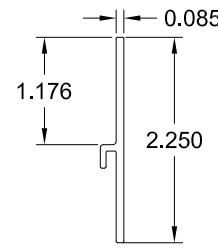
3. FRAME JAMB



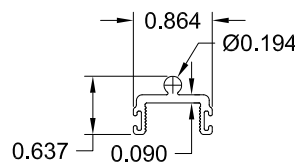
4. FRAME JAMB  
ADAPTER



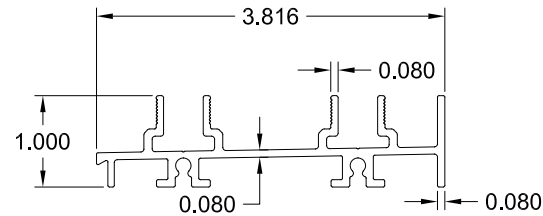
5. SCREW CAP



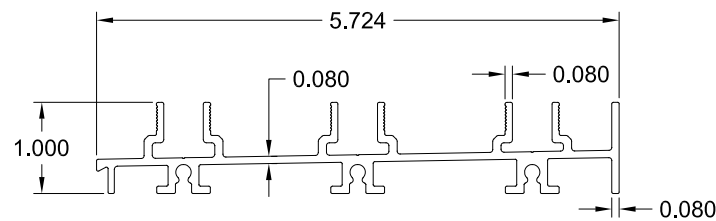
6. SPLIT RAISER



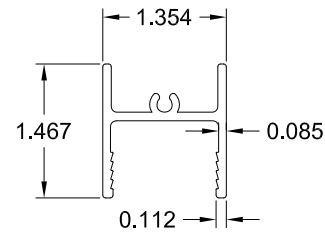
7. SILL ROLLER ADAPTER



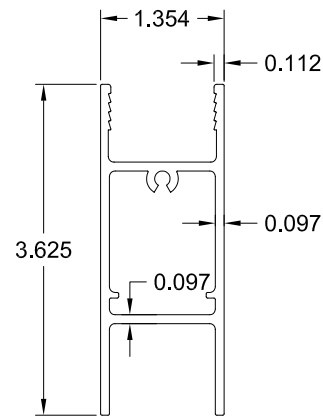
8. SILL TRACK XX



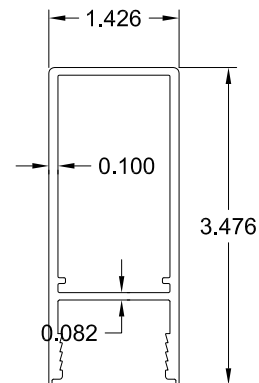
9. SILL TRACK XXX



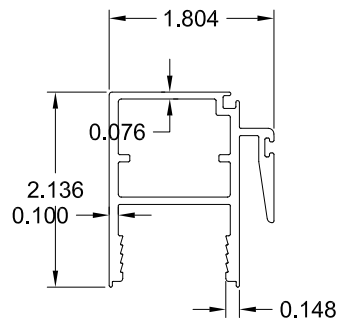
10. TOP RAIL



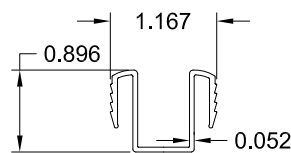
11. BOTTOM RAIL



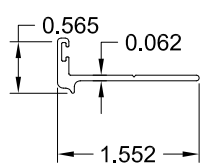
12. LOCK STILE



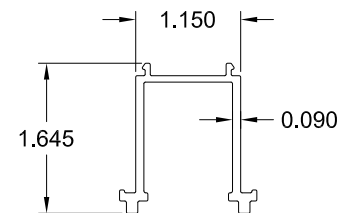
13. INTERLOCK STILE



14. GLASS ADAPTER



15. ASTRAGAL



16. ADAPTER FIXED PANEL

| ITEM #           | PART # | DESCRIPTION                                                                             | NOTES   |
|------------------|--------|-----------------------------------------------------------------------------------------|---------|
| EXTRUSIONS       |        |                                                                                         |         |
| 1                | 80600  | FRAME HEAD                                                                              | 6063-T5 |
| 2                | 80601  | FRAME HEAD ADAPTER                                                                      | 6063-T5 |
| 3                | 80605  | FRAME JAMB                                                                              | 6063-T5 |
| 4                | 80606  | FRAME JAMB ADAPTER                                                                      | 6063-T5 |
| 5                | 80615  | SCREW CAP                                                                               | 6063-T5 |
| 6                | 80638  | SPLIT SILL RAISER                                                                       | 6063-T5 |
| 7                | 80648  | SILL ROLLER ADAPTER                                                                     | 6063-T5 |
| 8                | 80645  | SILL TRACK XX                                                                           | 6063-T5 |
| 9                | 80646  | SILL TRACK XXX                                                                          | 6063-T5 |
| 10               | 80607  | TOP RAIL                                                                                | 6063-T5 |
| 11               | 80644  | BOTTOM RAIL                                                                             | 6063-T5 |
| 12               | 80630  | LOCK STILE                                                                              | 6063-T5 |
| 13               | 80610  | INTERLOCK STILE                                                                         | 6063-T5 |
| 14               | 80614  | GLASS ADAPTER                                                                           | 6063-T5 |
| 15               | 80616  | ASTRAGAL ADAPTER                                                                        | 6063-T5 |
| 16               | 80632  | ADAPTER FIXED PANEL                                                                     | 6063-T5 |
| GLASS            |        |                                                                                         |         |
| 17               |        | $\frac{7}{16}'' = \frac{1}{4}''\text{HS} / 0.090''\text{PVB} / \frac{5}{32}''\text{HS}$ |         |
| SEALS & SEALANTS |        |                                                                                         |         |
| 18               | 22438  | WEATHERSTRIP                                                                            |         |
| 19               | 96933  | RUBBER SEAL                                                                             |         |
| 20               | 96825  | WEATHERSTRIP                                                                            |         |
| 21               | 53580  | STRUCTURAL SILICONE                                                                     |         |
| 22               | 96910  | RUBBER BUTTON BUMPER                                                                    |         |
| 23               | 96900  | FBC 2411.3.3.1 SETTING BLOCK                                                            |         |
| 24               | 96812  | WEATHERSTRIP                                                                            |         |
| 25               | 96827  | WEATHERSTRIP                                                                            |         |
| FASTENERS        |        |                                                                                         |         |
| 26               | 95586  | SCR 10*2" PHI P/H S.S. T-A                                                              |         |
| 27               | 95543  | SCR 10*1" PHI P/H S.S. T-A SMS                                                          |         |
| 28               |        | INSTALLATION FASTENERS, SEE GEN.<br>NOTES PG 1 AND PGS 4-5                              |         |
| 29               |        |                                                                                         |         |
| 30               |        |                                                                                         |         |
| 31               | 95696  | SCR 8 X 1 1/4 FH SELF DRILL SS                                                          |         |
| 32               | 94657  | #10-32 x $\frac{3}{4}''$ TEK SCREW                                                      |         |
| HARDWARE         |        |                                                                                         |         |
| 33               | XXXXX  | INTUITION LOCK SET KIT                                                                  |         |
| 34               | XXXXX  | LOCK KEEPER                                                                             |         |
| 35               | XXXXX  | ROLLERS                                                                                 |         |
| 36               | XXXXX  | DALLAS HANDLE SET KIT                                                                   |         |
| SUPLEMENT PARTS  |        |                                                                                         |         |
| 37               | 96521  | ALUMINUM ANGULAR 2" X 2"                                                                |         |
| 38               | 30250  | ALUMINUM REINFORCEMENT                                                                  |         |
| 39               | 96911  | OVAL RUBBER BUMPER                                                                      |         |



|                                                                                       |             |                                                                                                                                                                               |                        |
|---------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|  |             | <h1>AIR MASTER</h1> <p>windows and doors<br/>P.O. Box 2097 Barceloneta, P.R. 00617,<br/>TEL. (787) 623-1800, <a href="http://www.airmasterpr.com">www.airmasterpr.com</a></p> |                        |
| DESIGNED                                                                              |             | DATED                                                                                                                                                                         | PRODUCT NAME           |
| DRAWN                                                                                 | J.ORTIZ     | 12/11/2024                                                                                                                                                                    | SLIDING DOOR HP LD AIR |
| CHECK                                                                                 | F.MORALES   | 12/11/2024                                                                                                                                                                    |                        |
| APPRV.                                                                                | L.MEGWINOFF | 12/11/2024                                                                                                                                                                    |                        |
| REVISION                                                                              |             |                                                                                                                                                                               |                        |
| B                                                                                     |             | DRW.#: FPA-SGD-AIR                                                                                                                                                            | PAGE 8 OF 8            |