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NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC & 2006 IRC WITH STATE OF TEXAS MODIFICATIONS.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: ALUMINUM 6063-T6
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 3 FOR GLASS DETAILS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 12GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

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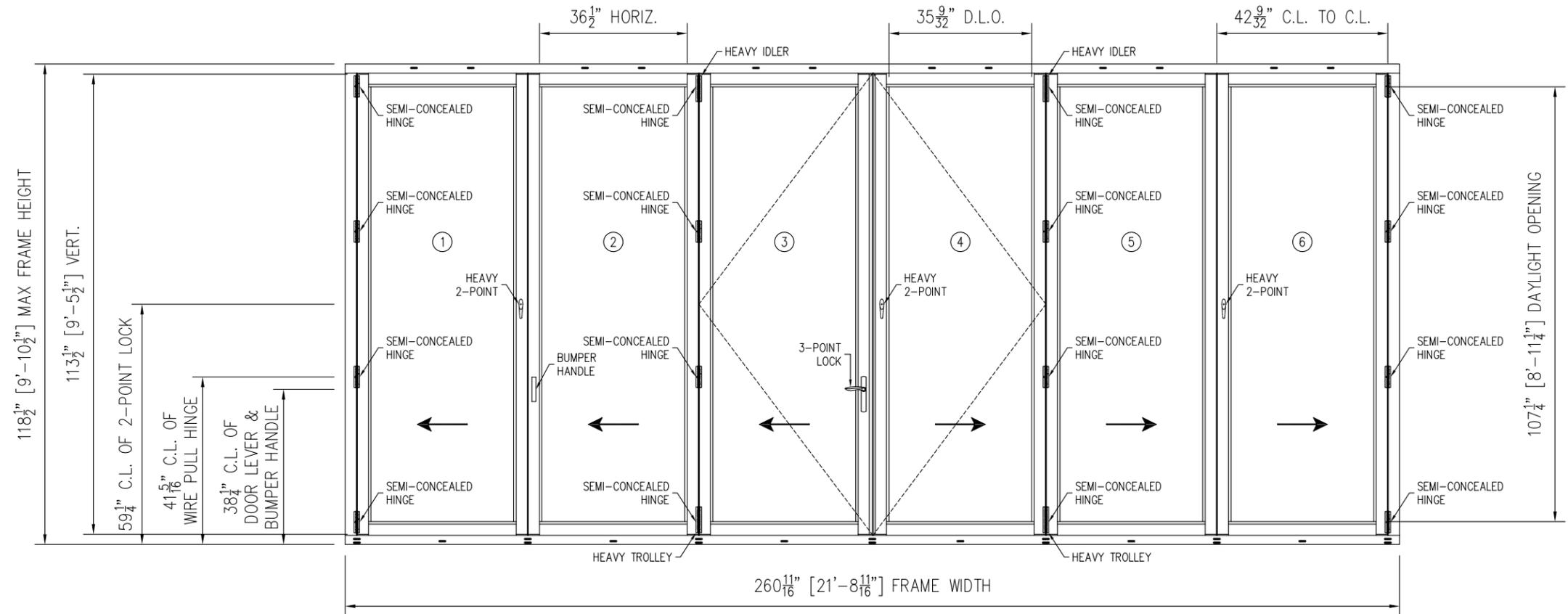
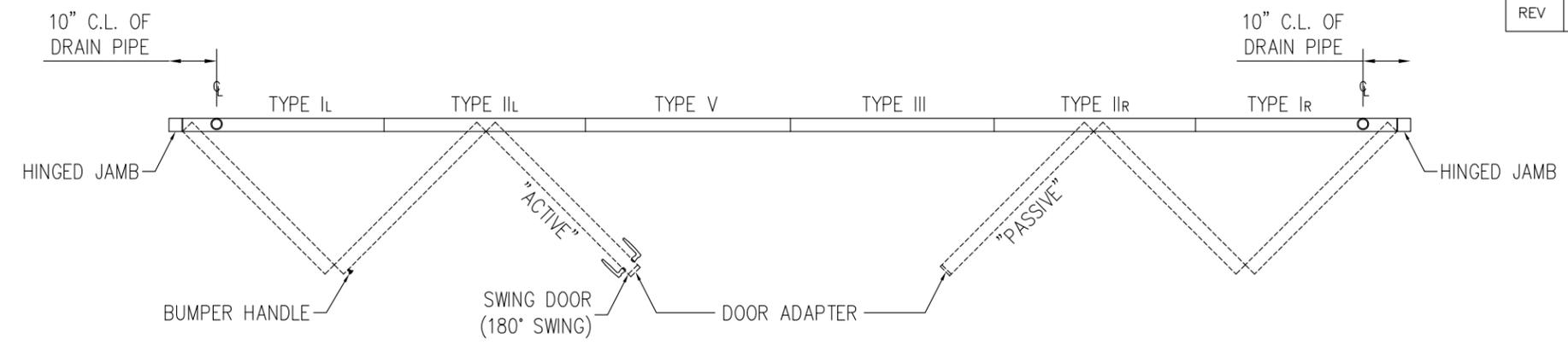
SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SI 33350 G3 IMPACT FGW 3.5X9.5 PANEL LITE RAIL OUT-FOLD ALUMINUM NOTES		
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DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4	

SI 33350 G3 IMPACT FGW 3.5X9.5 PANEL LITE RAIL OUT-FOLD ALUMINUM
EXTERIOR VIEW

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HARDWARE SCHEDULE	
A.	SEMI-CONCEALED HINGE BY SOLAR INNOVATIONS
B.	2 POINT HANDLE & LOCK MS000487-XX BY SOLAR INNOVATIONS
C.	3 POINT HANDLE & LOCK BY SOLAR INNOVATIONS
D.	SURFACE MOUNT HINGE BY SOLAR INNOVATIONS

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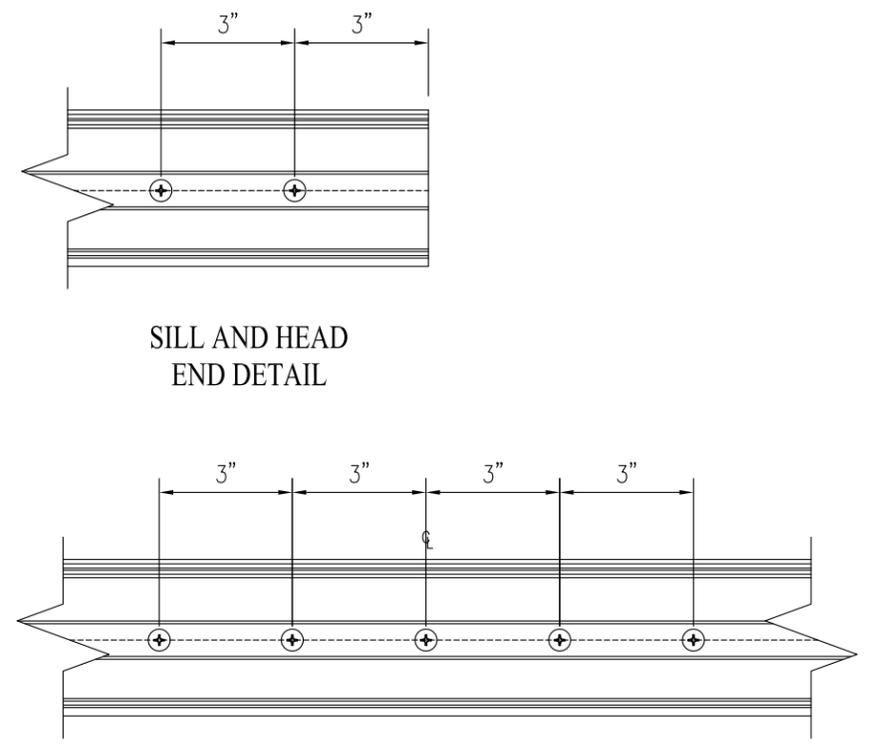
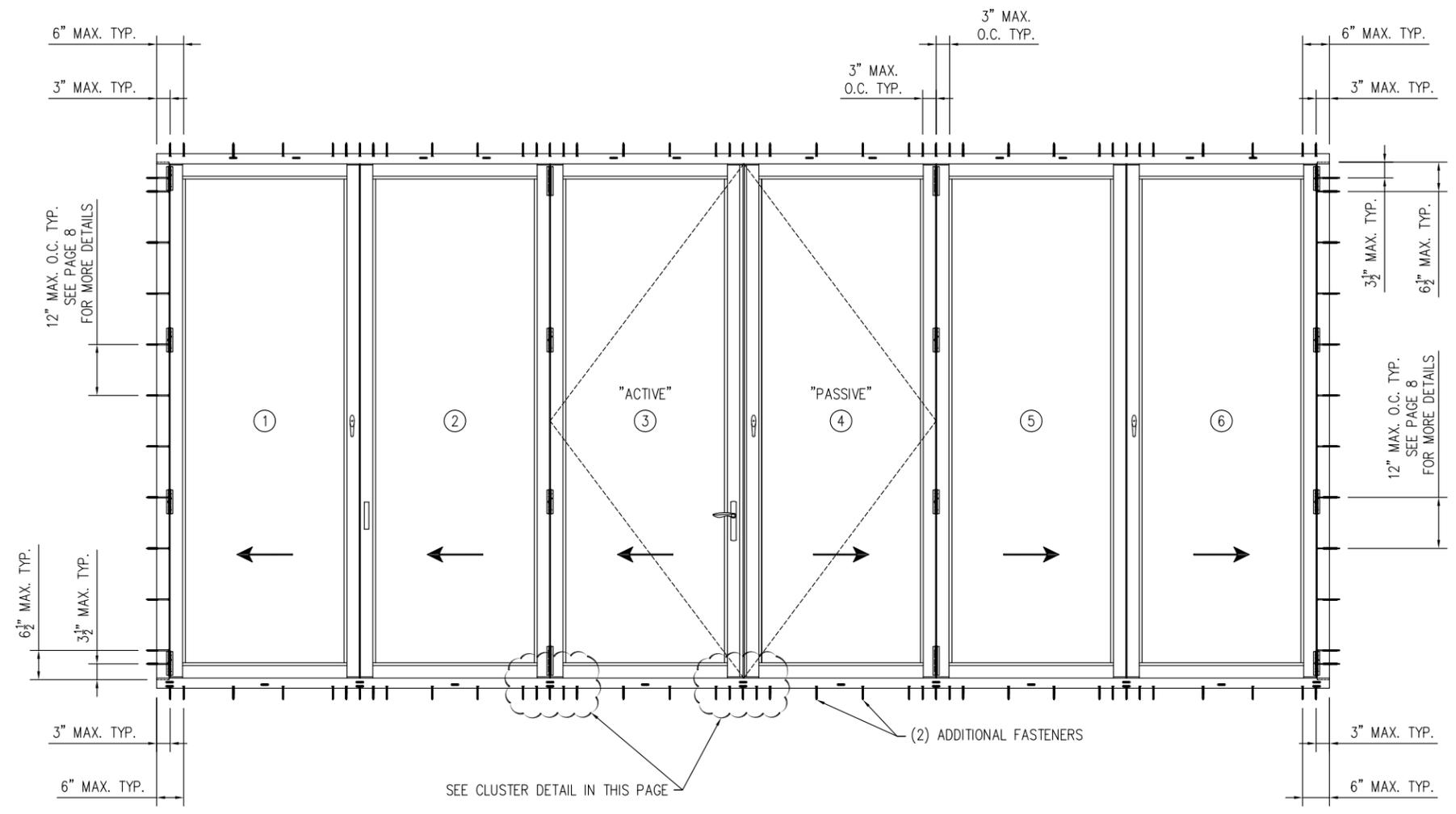
SI 33350 G3 IMPACT FGW 3.5X9.5 PANEL
LITE RAIL OUT-FOLD ALUMINUM
ELEVATIONS

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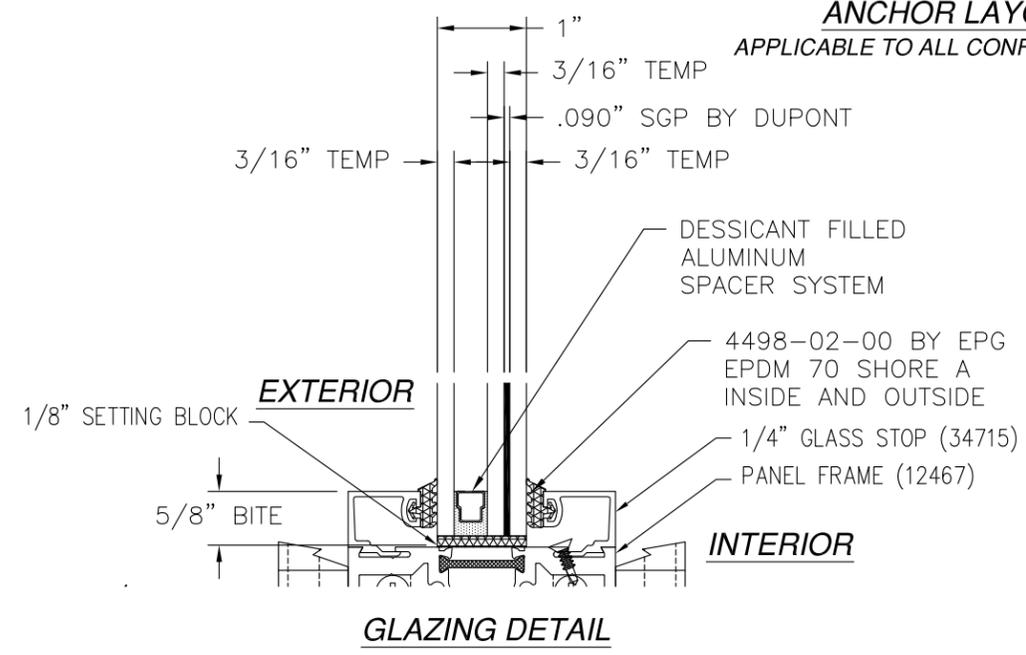


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ANCHOR LAYOUT
APPLICABLE TO ALL CONFIGURATIONS.



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SI 33350 G3 IMPACT FGW 3.5X9.5 PANEL
LITE RAIL OUT-FOLD ALUMINUM
ANCHOR LAYOUT AND GLAZING DETAIL

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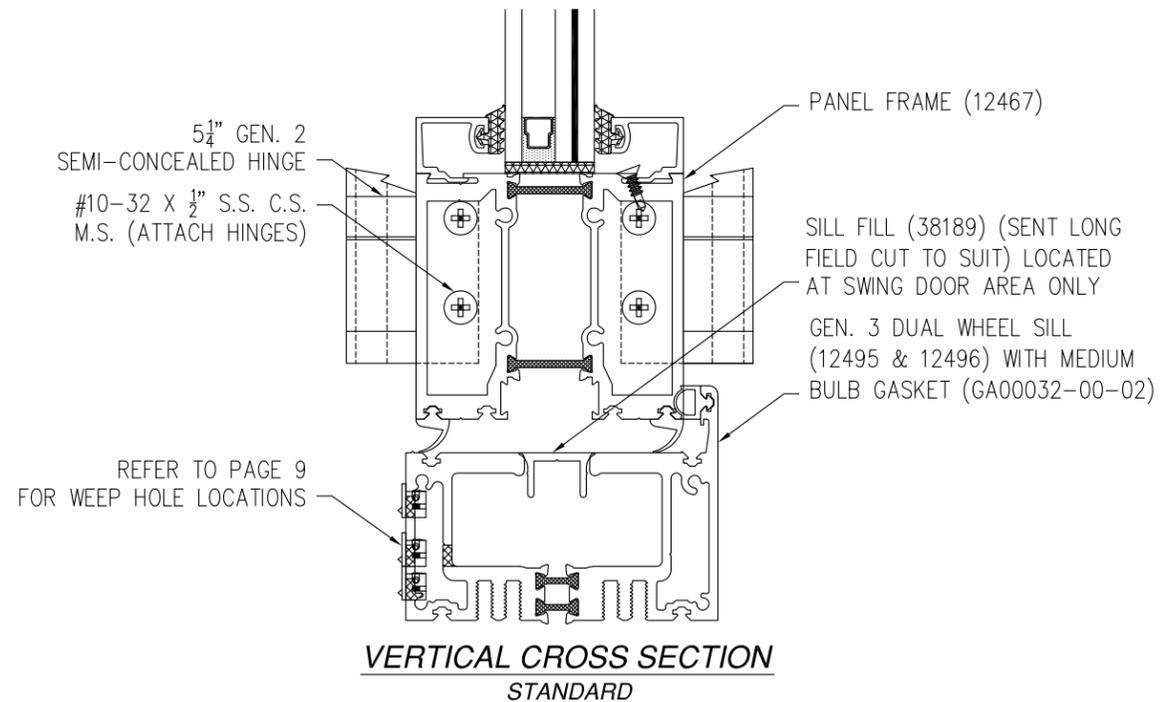
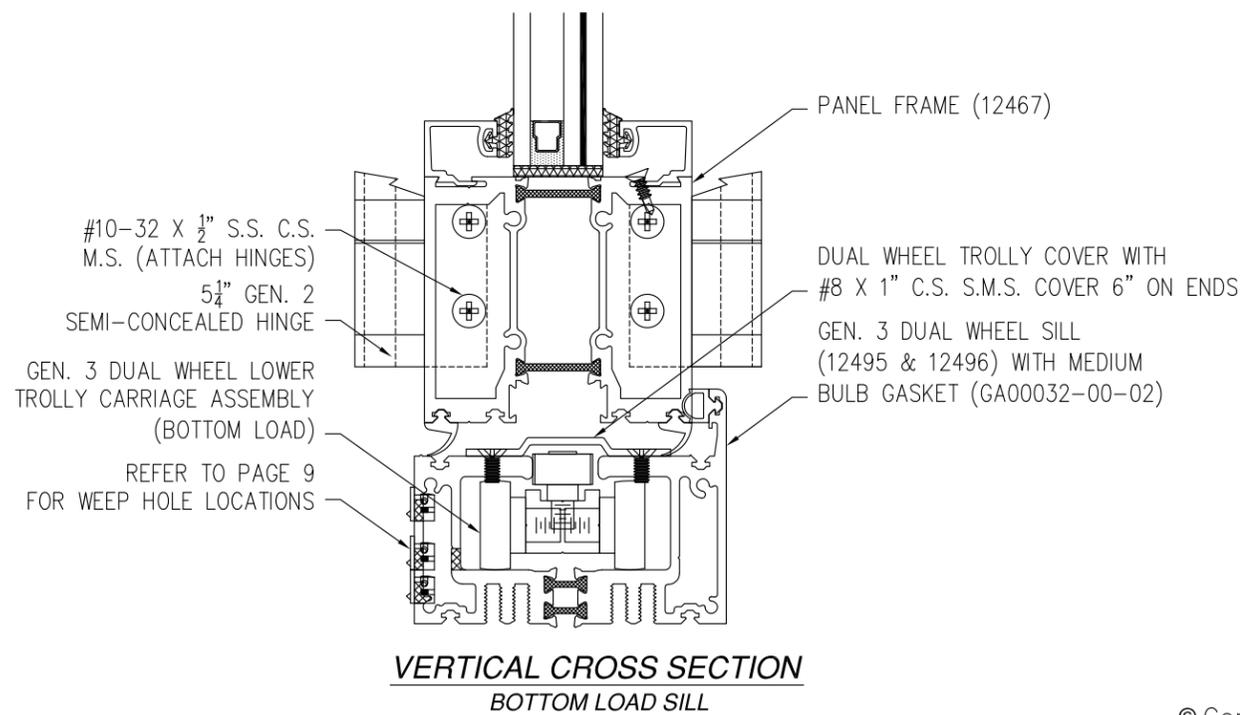
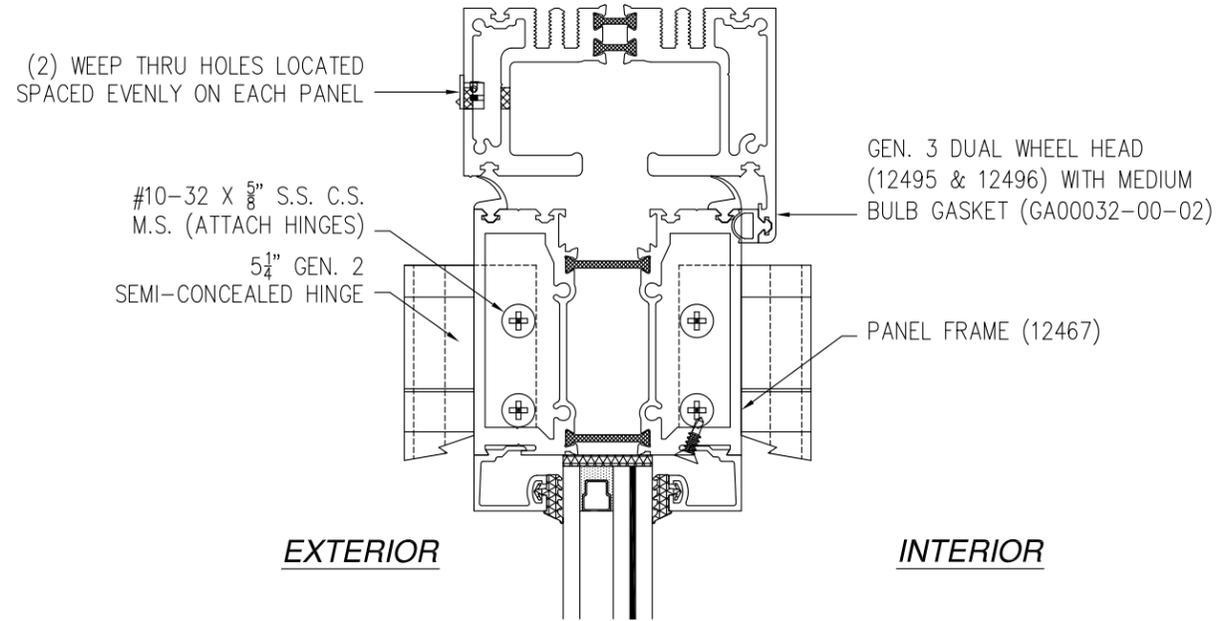
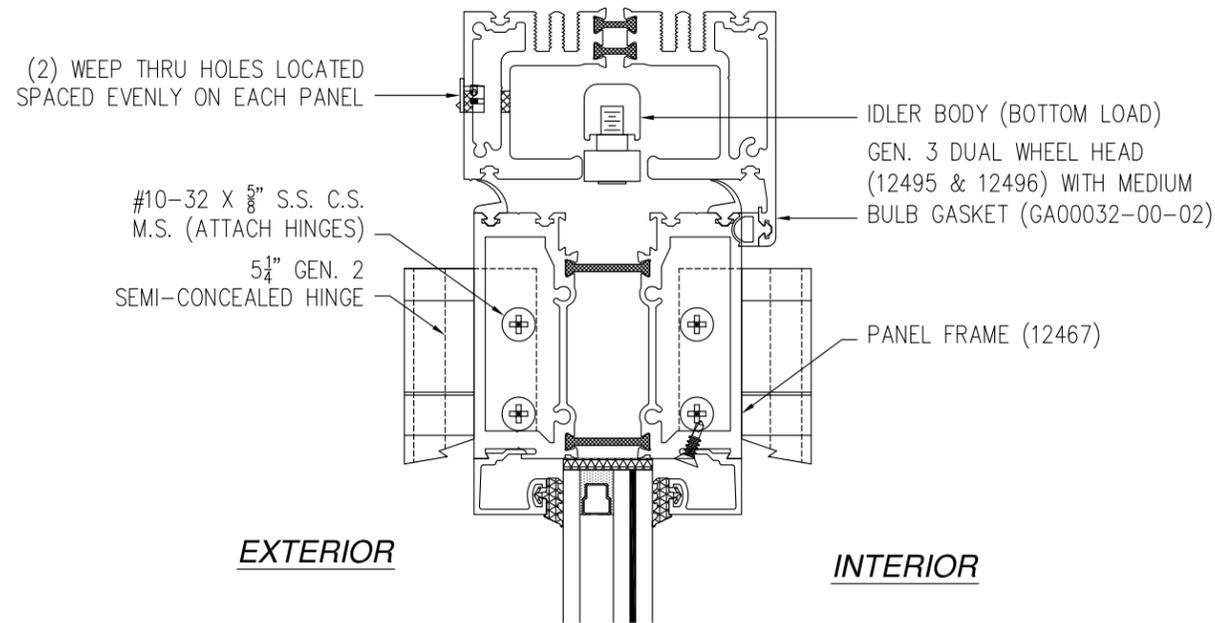
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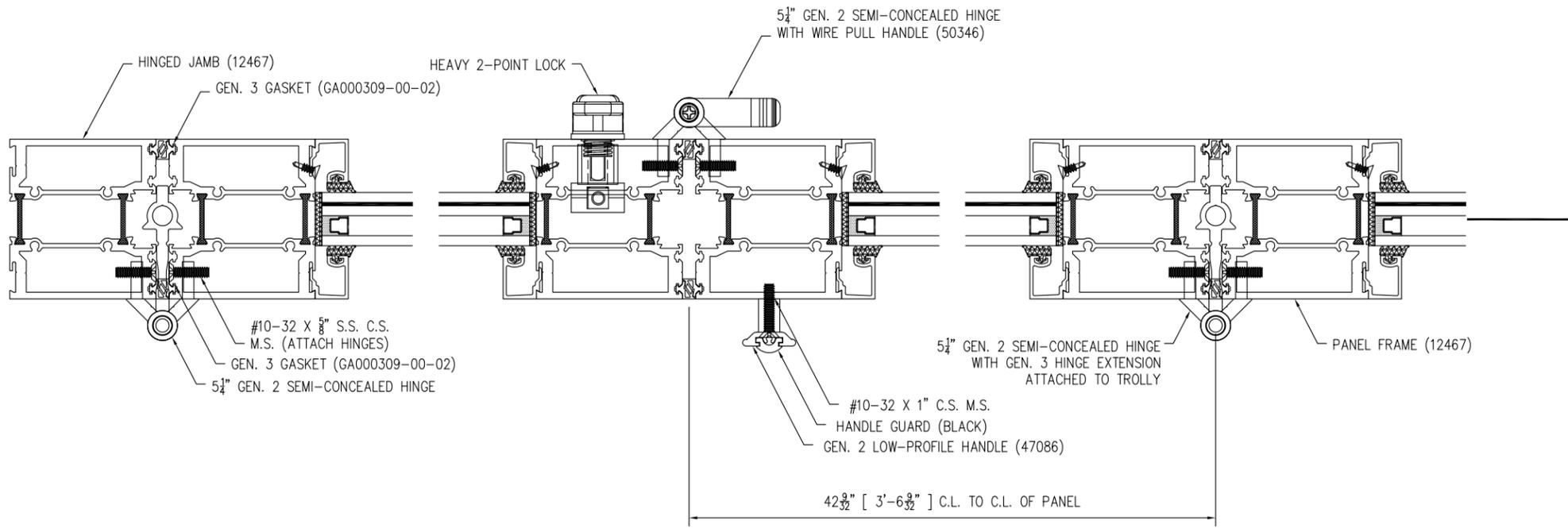
SOLAR INNOVATIONS, INC.		
31 ROBERTS RD PINE GROVE, PA 17963		
SI 33350 G3 IMPACT FGW 3.5X9.5 PANEL LITE RAIL OUT-FOLD ALUMINUM VERTICAL CROSS SECTIONS		
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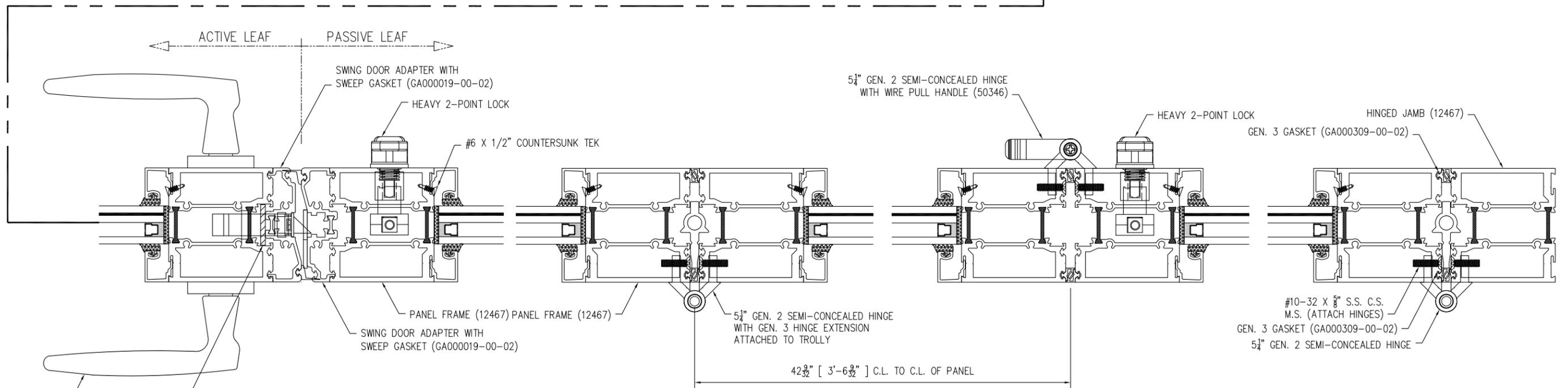


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"TORONTO" SWING DOOR LEVER
 1/8" X 1 1/16" ALUMINUM SHIM ATTACHED WITH #8 X 1 1/2" COUNTERSUNK S.M.S.

HORIZONTAL CROSS SECTION

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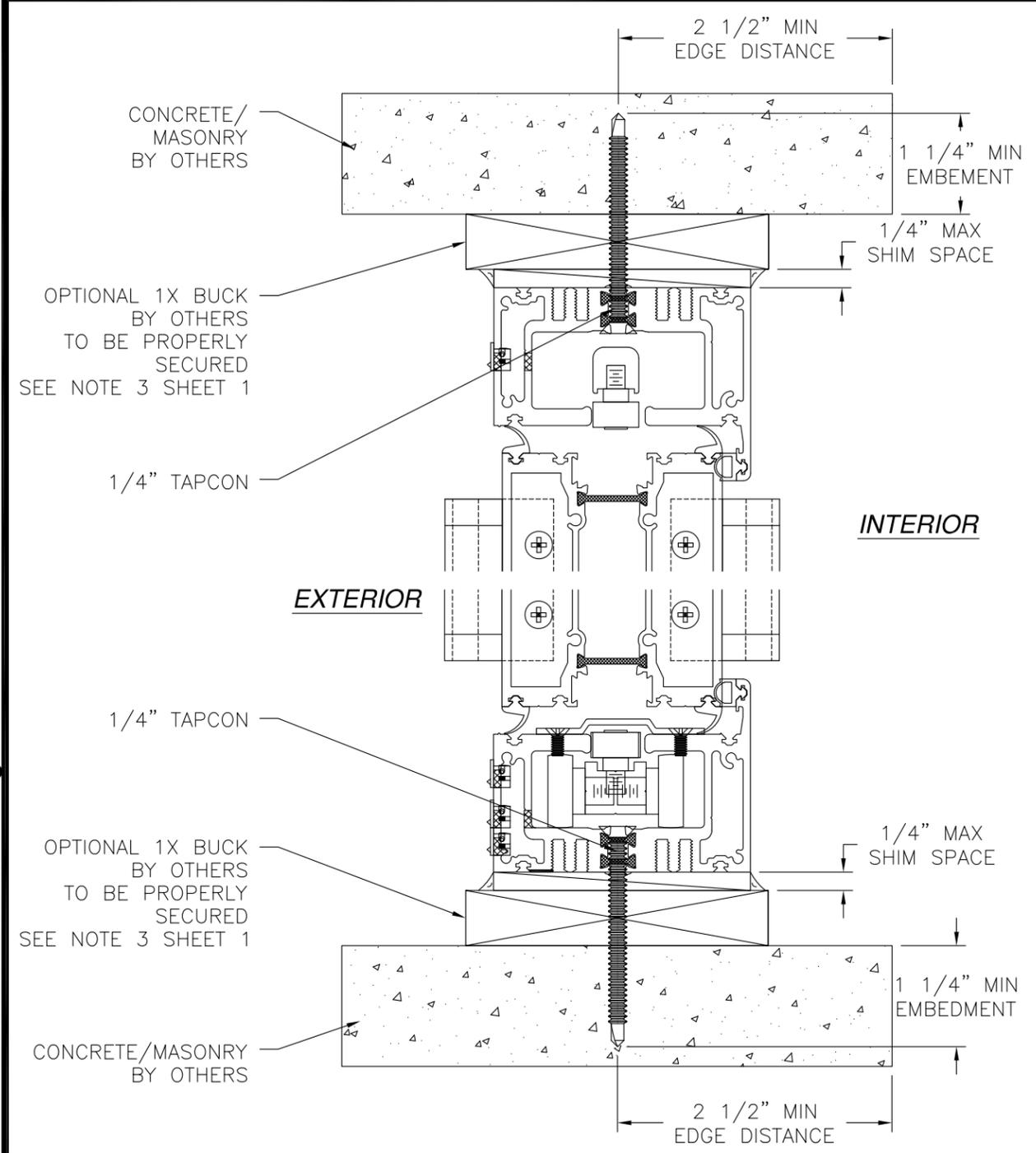
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 LITE RAIL OUT-FOLD ALUMINUM
 HORIZONTAL CROSS SECTION

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SCALE NTS	DATE 03/19/15	SHEET 5 OF 9

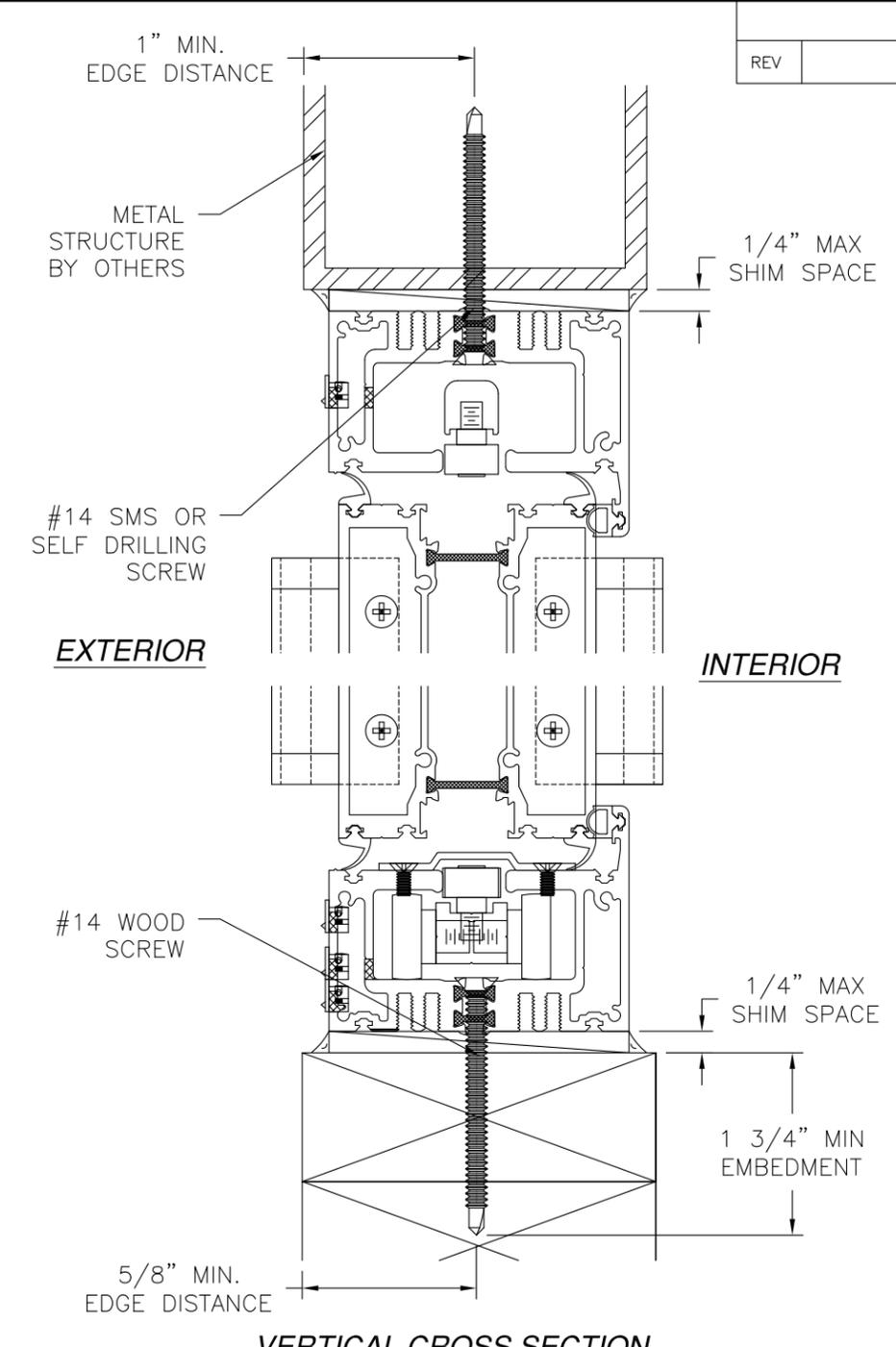


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK
OR METAL STRUCTURE INSTALLATION

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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LITE RAIL OUT-FOLD ALUMINUM
INSTALLATION DETAILS

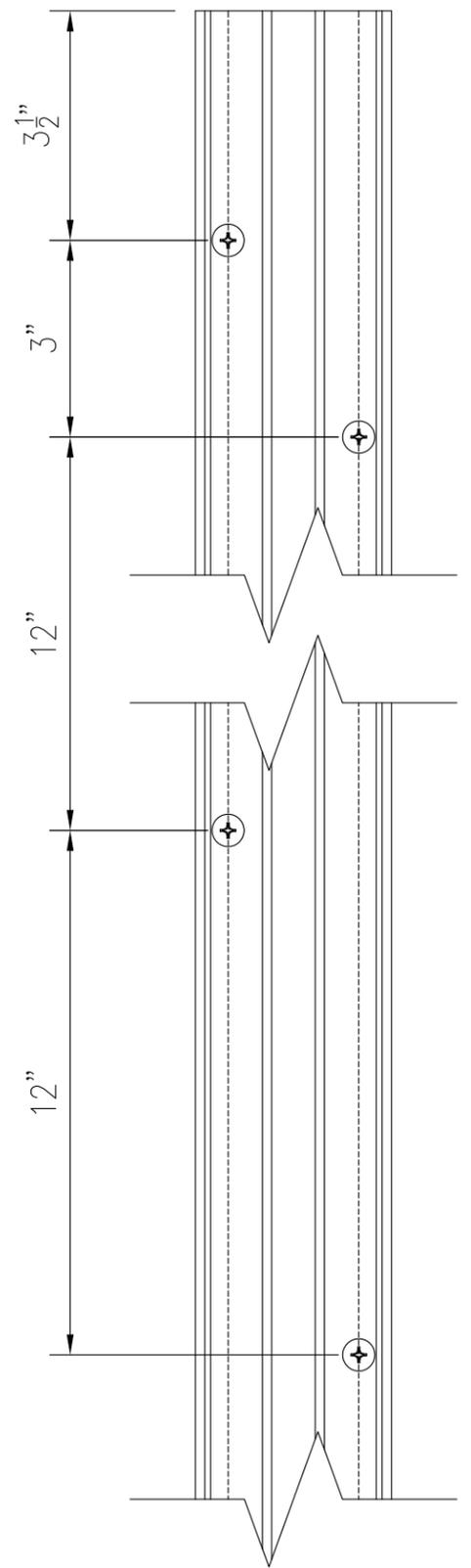
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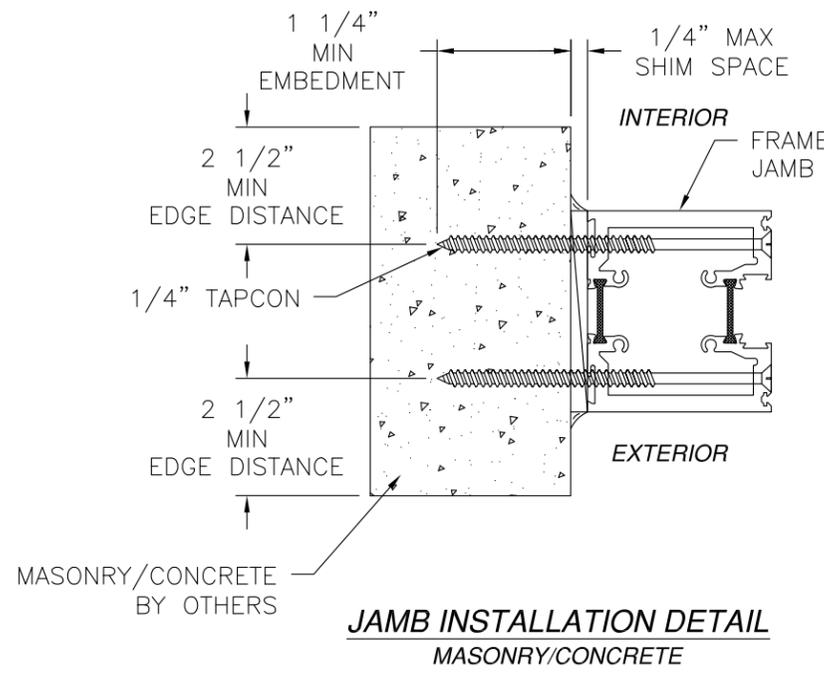


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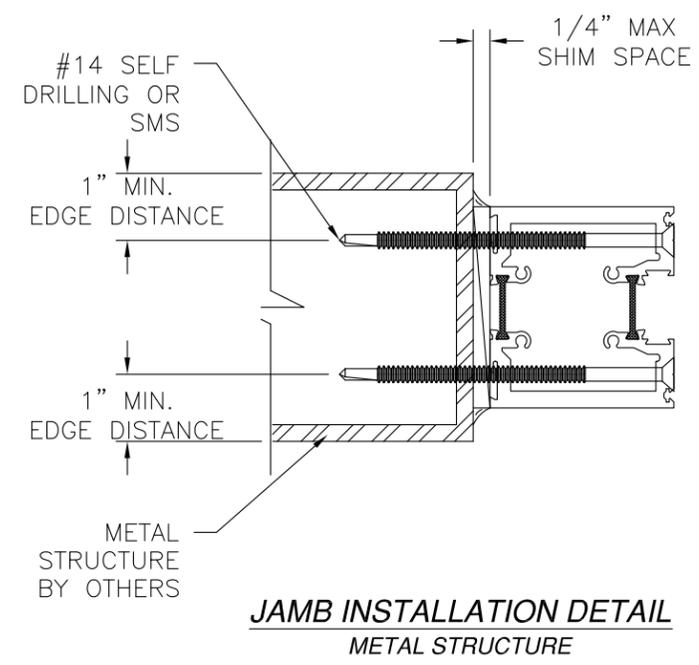
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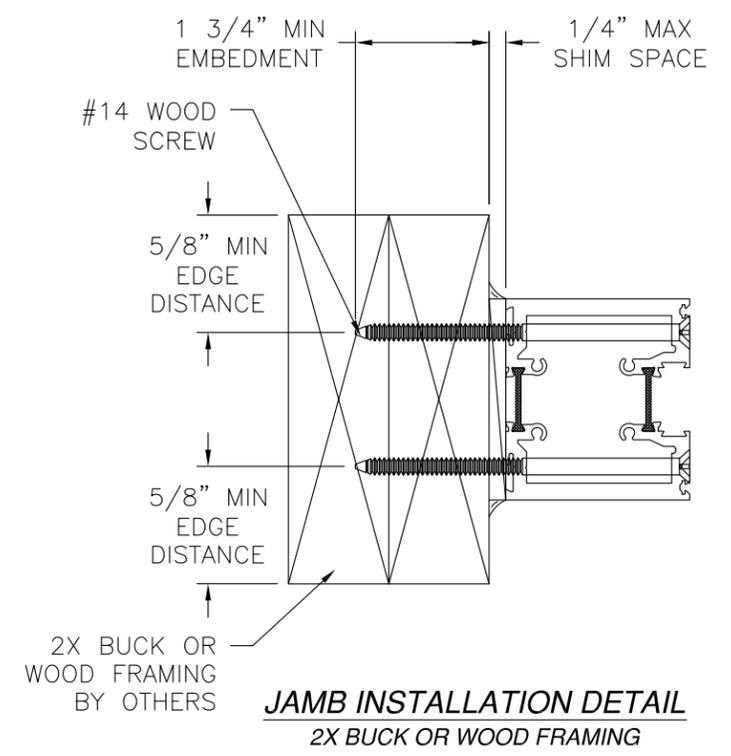
**JAMB ANCHOR LOCATIONS
DETAIL**



**JAMB INSTALLATION DETAIL
MASONRY/CONCRETE**



**JAMB INSTALLATION DETAIL
METAL STRUCTURE**



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

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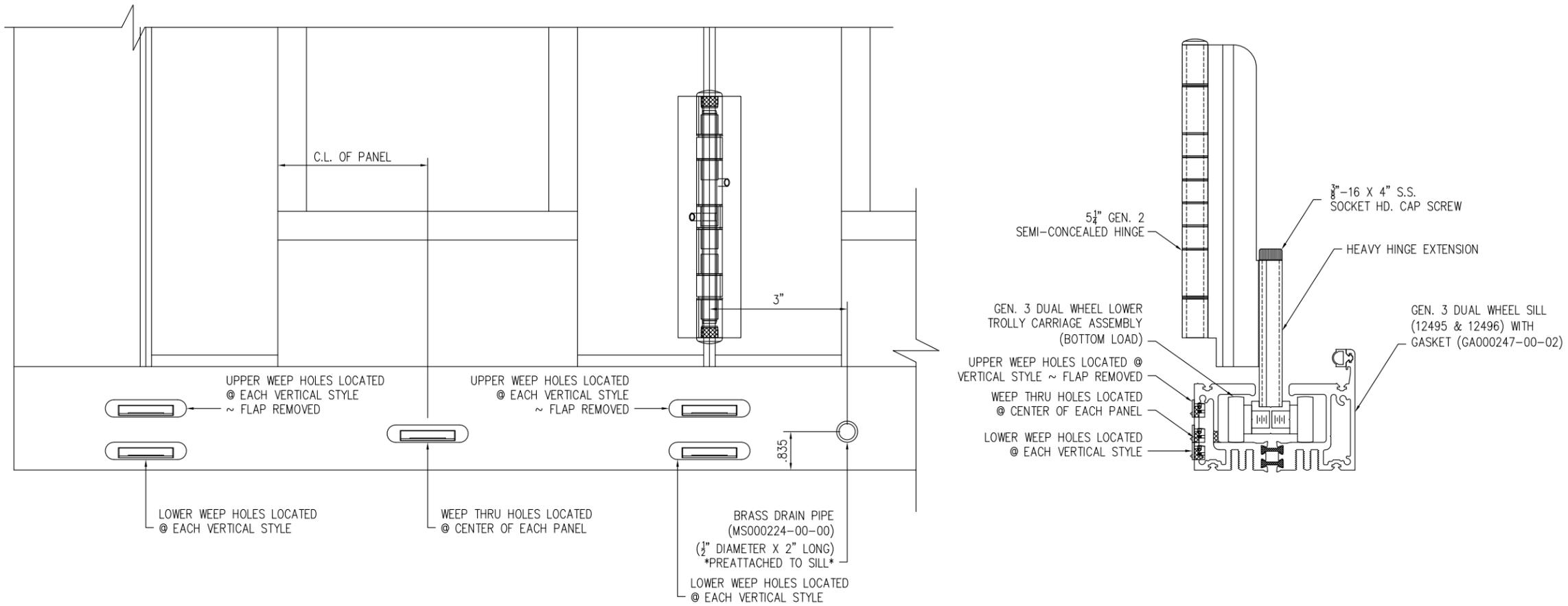
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SI 33350 G3 IMPACT FGW 3.5X9.5 PANEL LITE RAIL OUT-FOLD ALUMINUM INSTALLATION DETAILS		
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WEEP HOLES DETAILS

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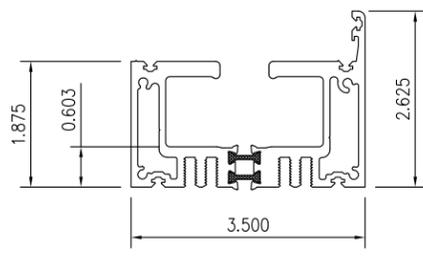
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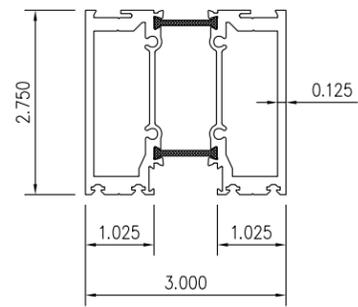


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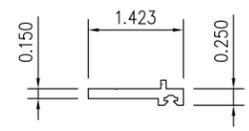
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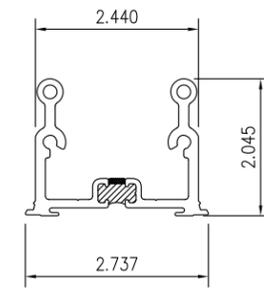
1 DUAL WHEEL HEAD / SILL



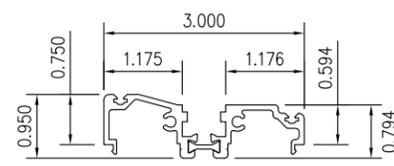
2 FRAME



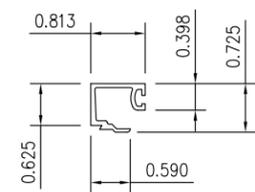
3 FRAME CAP



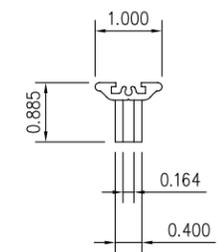
4 FRAME LUG



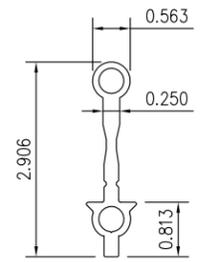
5 3rd GENERATION DOOR ADAPTOR



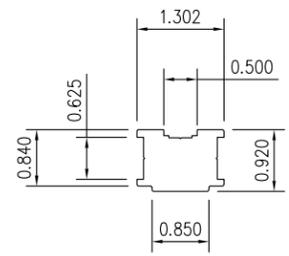
6 1/4" GLASS STOP



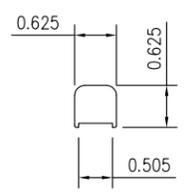
7 2nd GENERATION HANDLE



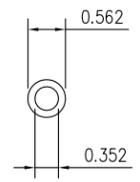
8 HINGE EXTENSION



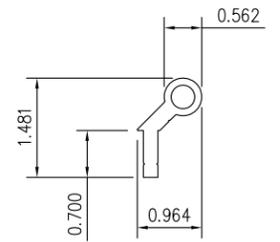
9 TROLLY BODY



10 IDLER BODY



11 HINGE BARREL



12 5 1/4" SEMI- CONCEALED HINGE

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COMPONENTS

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