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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 8 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 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

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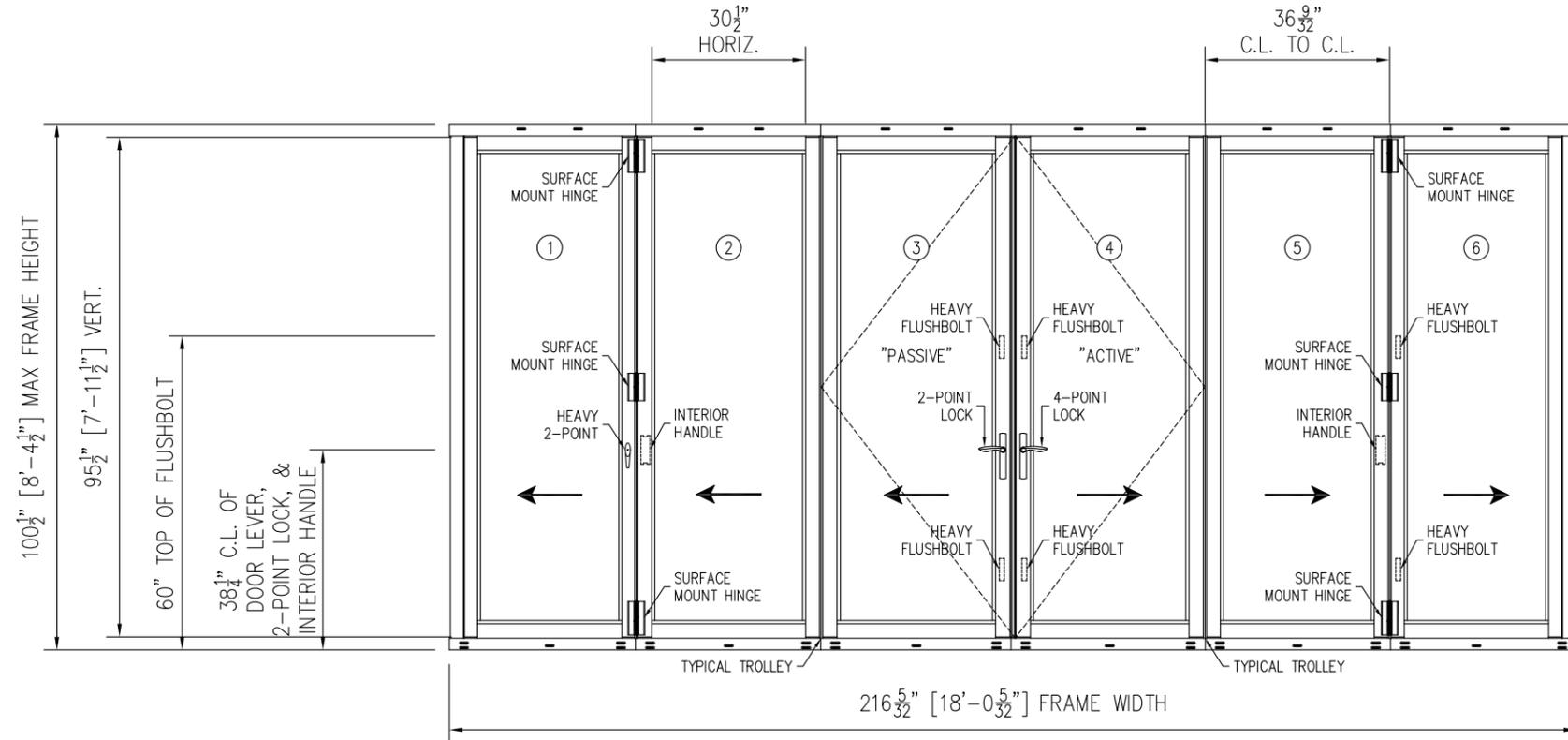
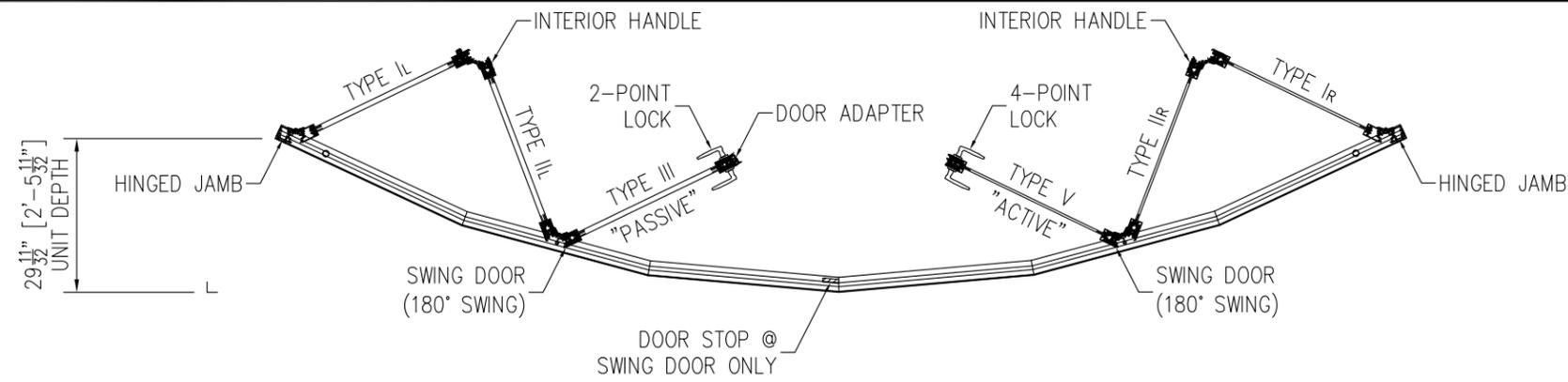
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SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SI 3350 FGW 3X8 PANEL RADIUS IN-SWING FOLDING GLASS WALL – IMPACT NOTES		
DRAWN: N.G.	DWG NO. 08-02655	REV -
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DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

SI 3350 IMPACT FGW 3X8 PANEL RADIUS WALL
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	4 POINT HANDLE & LOCK BY SOLAR INNOVATIONS
D	HEAVY FLUSH BOLTS MD000442-00-XX BY SOLAR INNOVATIONS
E	SURFACE MOUNT HINGE BY SOLAR INNOVATIONS

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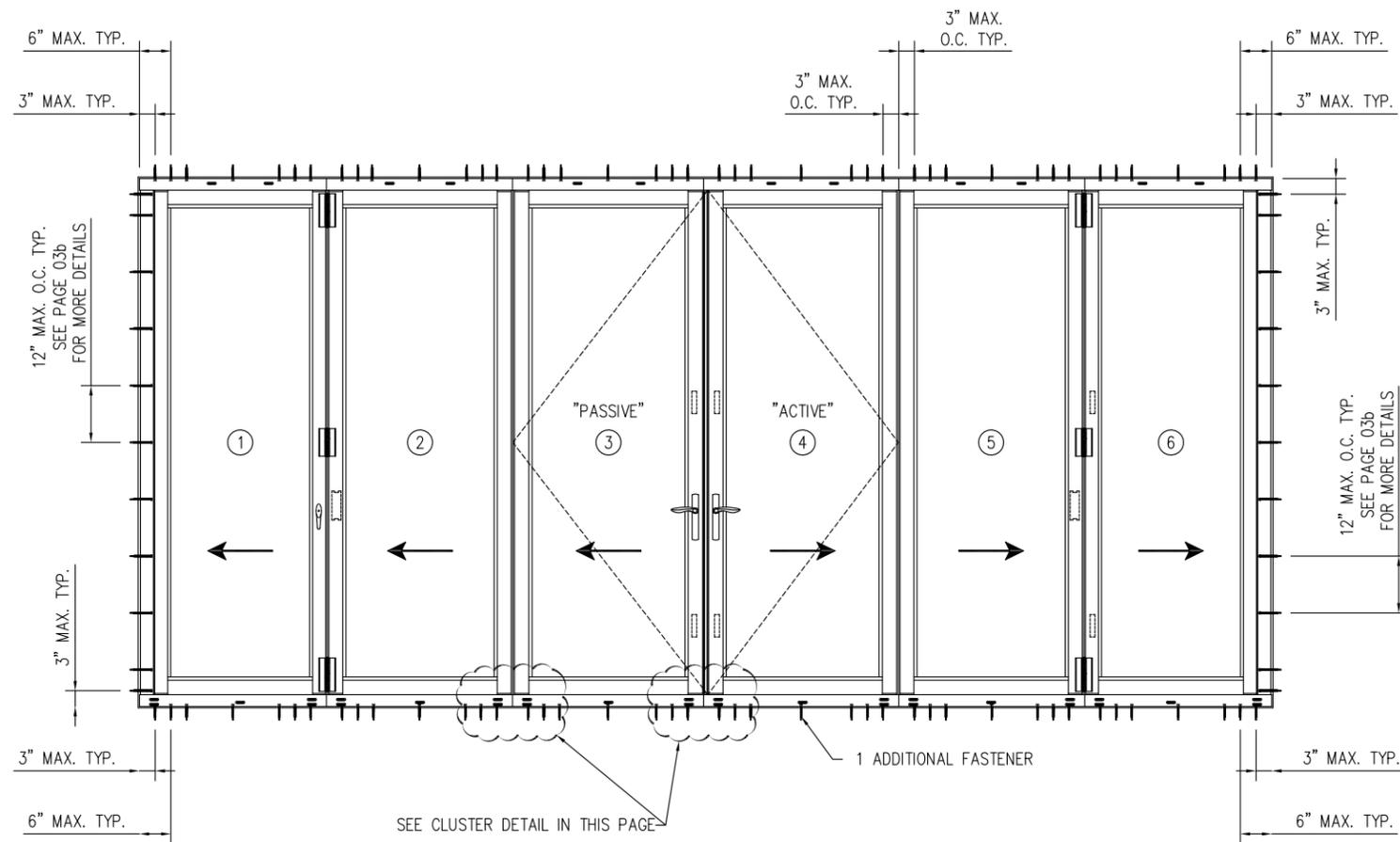
SI 3350 FGW 3X8 PANEL RADIUS IN-SWING FOLDING GLASS WALL - IMPACT ELEVATION

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SCALE NTS	DATE 03/23/15	SHEET 2 OF 14

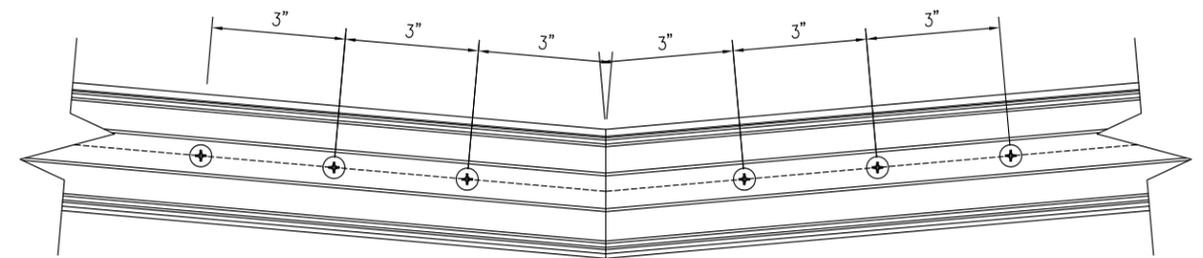


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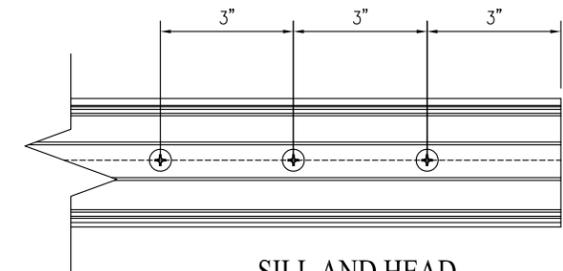
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ANCHOR LAYOUT
APPLIES TO ALL CONFIGURATIONS



SILL AND HEAD CLUSTER DETAIL



SILL AND HEAD END DETAIL

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SI 3350 FGW 3X8 PANEL RADIUS IN-SWING
FOLDING GLASS WALL – IMPACT
ANCHORING LAYOUT

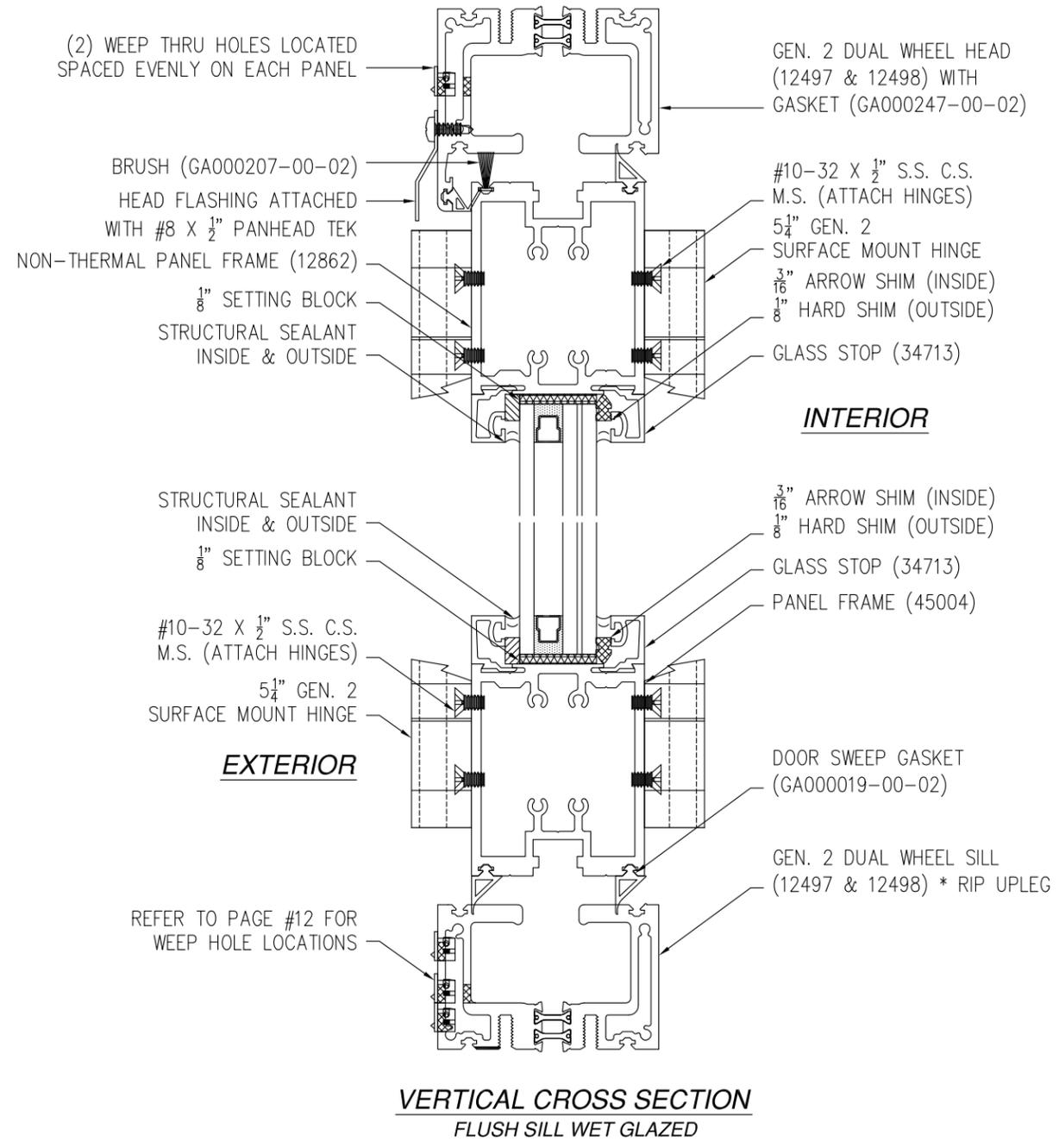
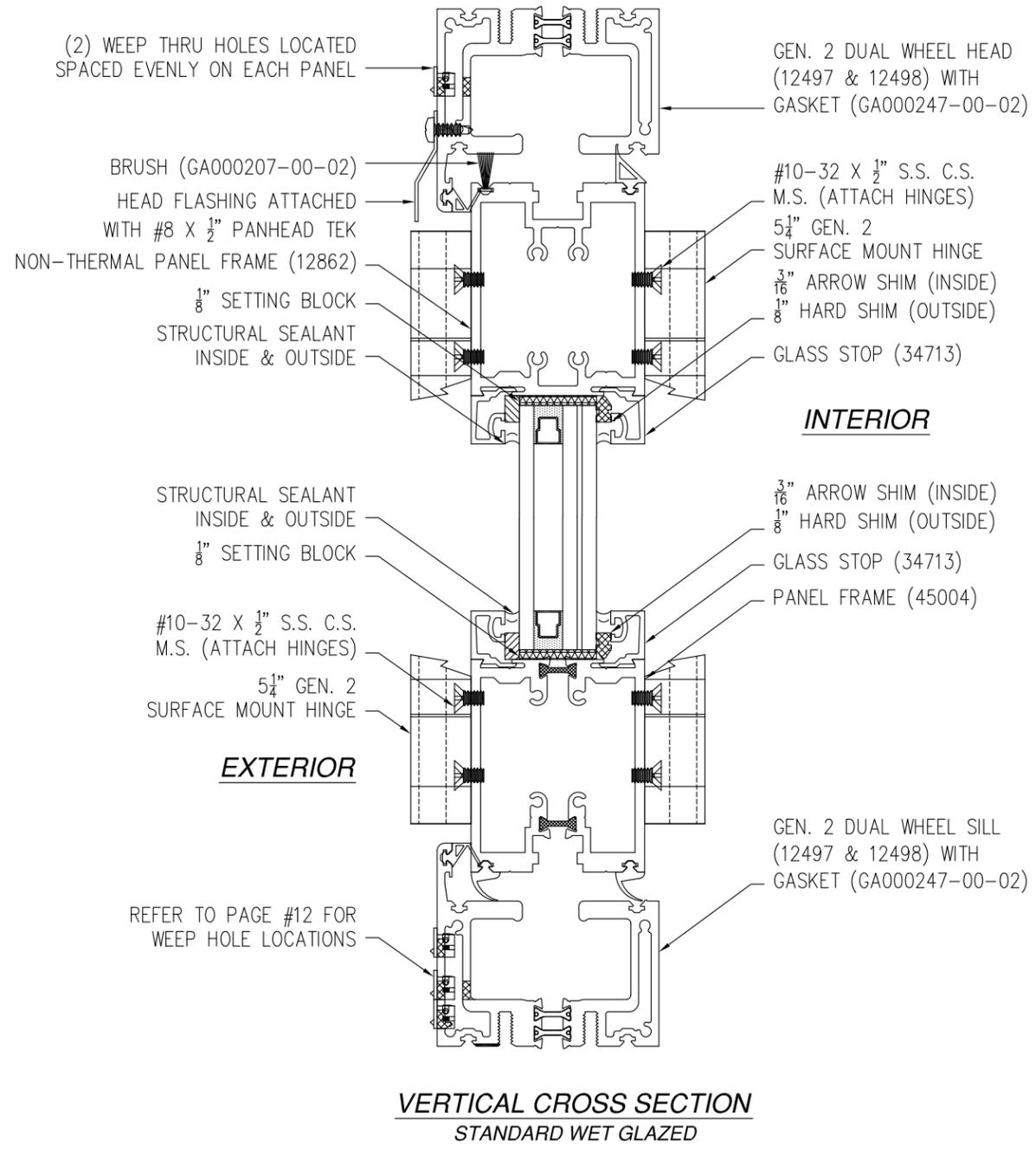
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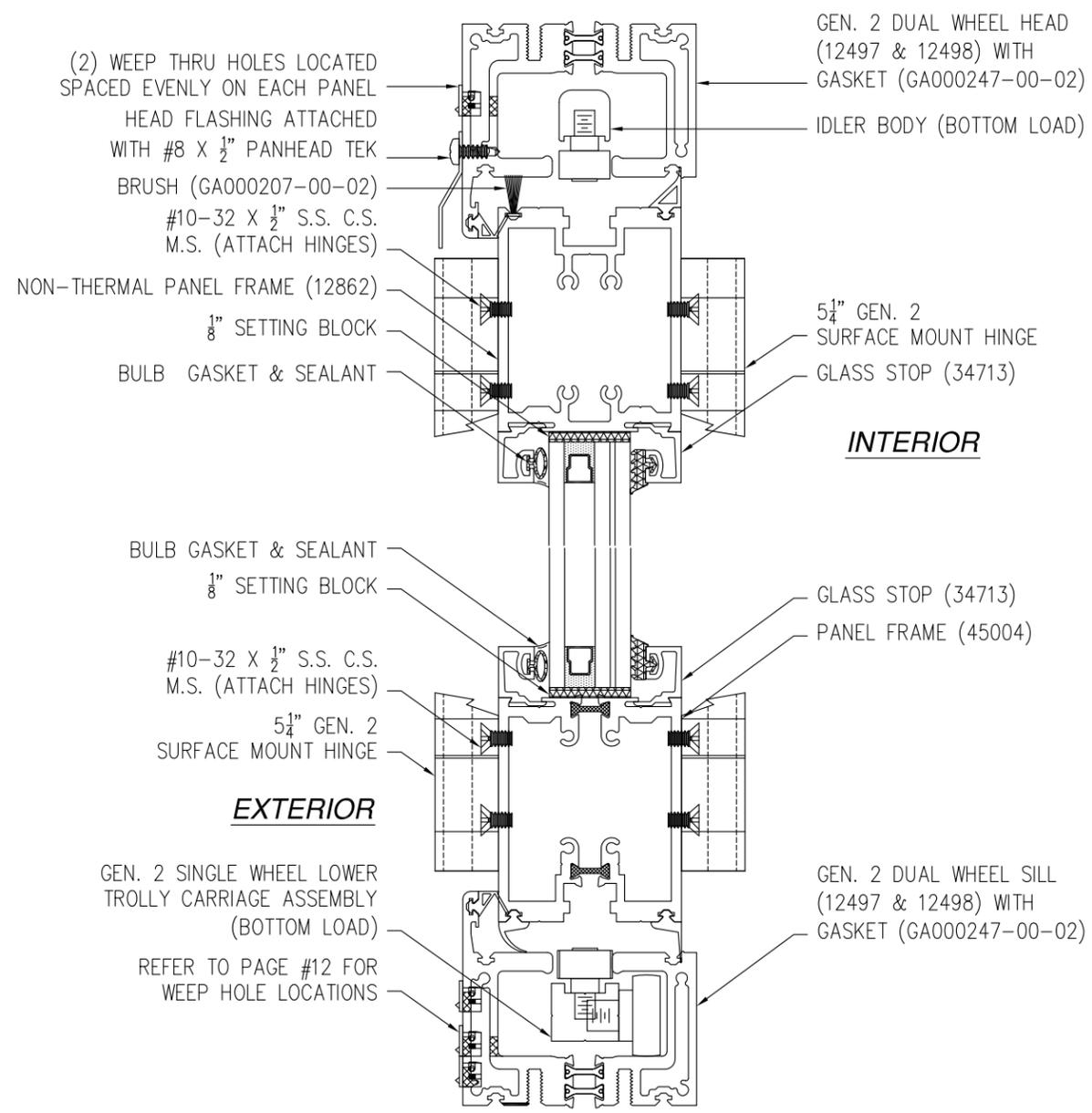
SI 3350 FGW 3X8 PANEL RADIUS IN-SWING
 FOLDING GLASS WALL - IMPACT
 VERTICAL CROSS SECTIONS

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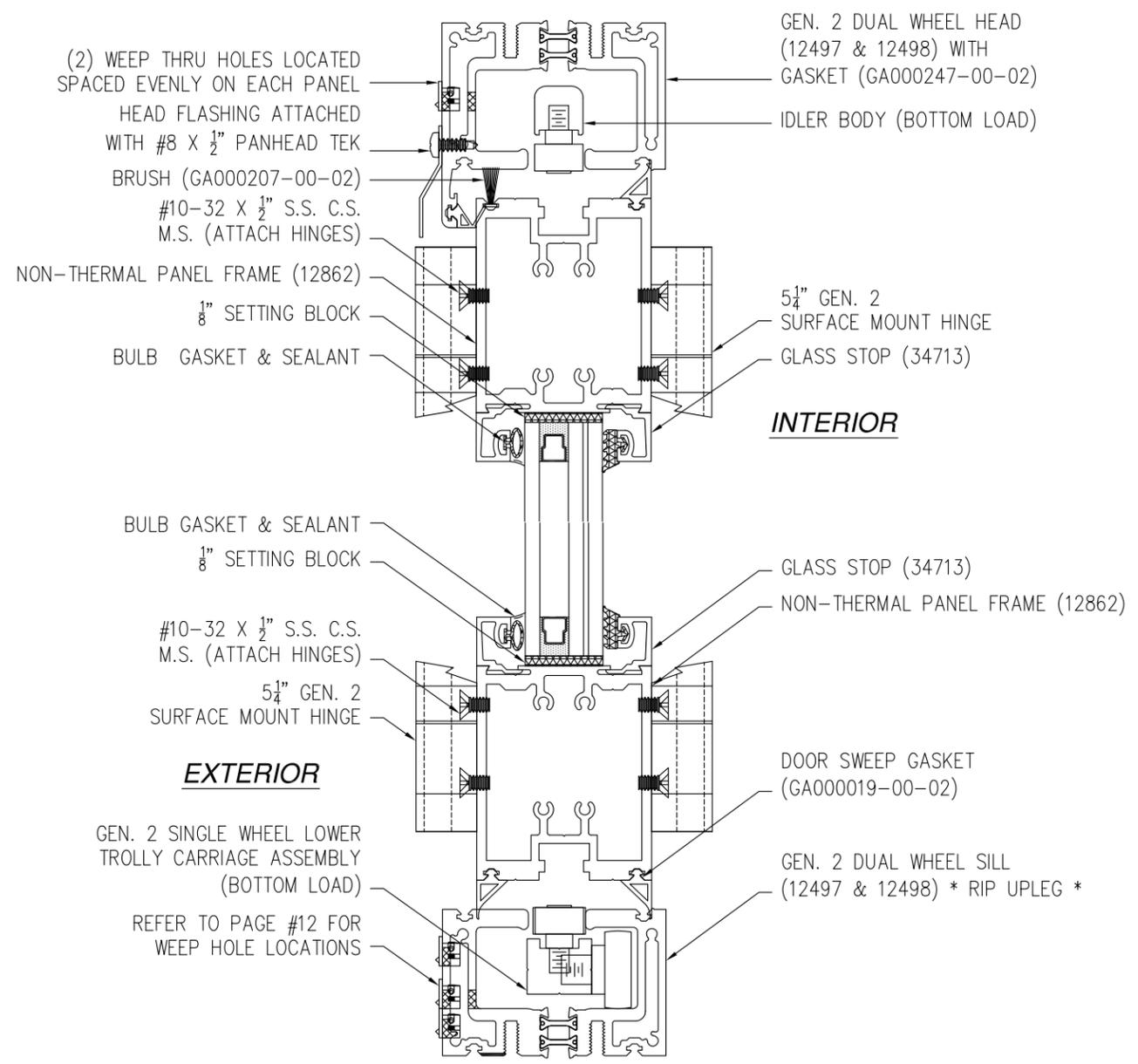
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VERTICAL CROSS SECTION
BOTTOM LOAD DRY GLAZED



VERTICAL CROSS SECTION
BOTTOM LOAD FLUSH SILL DRY GLAZED

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SI 3350 FGW 3X8 PANEL RADIUS IN-SWING
 FOLDING GLASS WALL - IMPACT
 VERTICAL CROSS SECTIONS

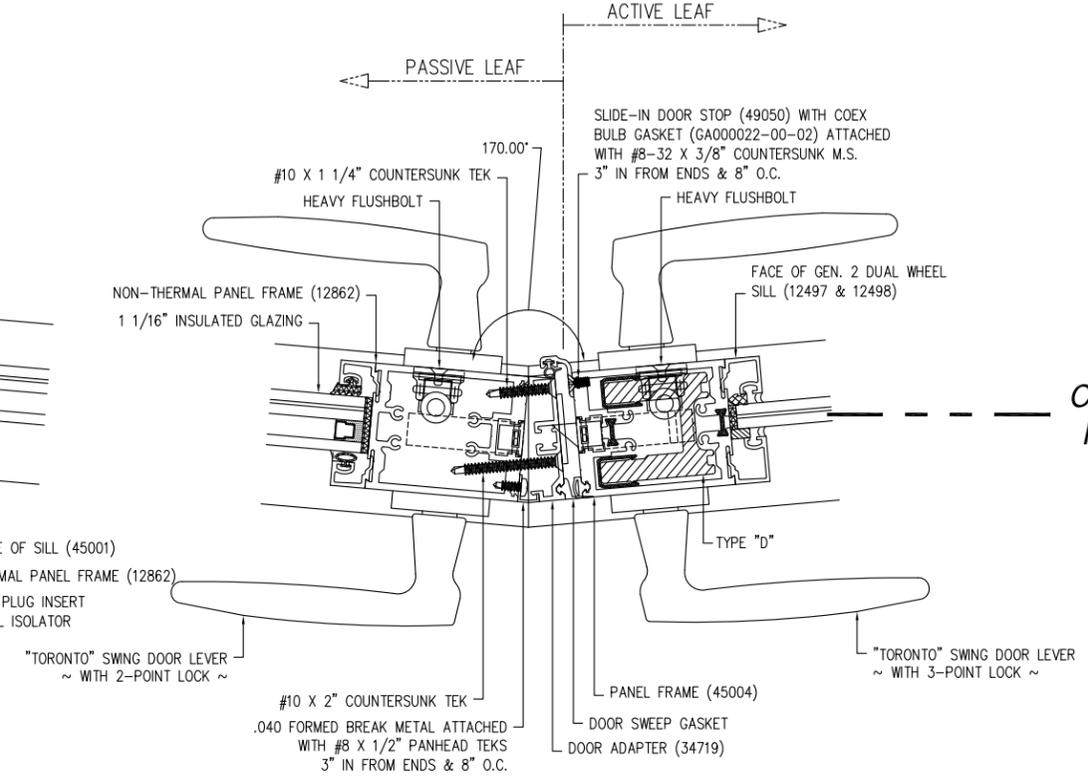
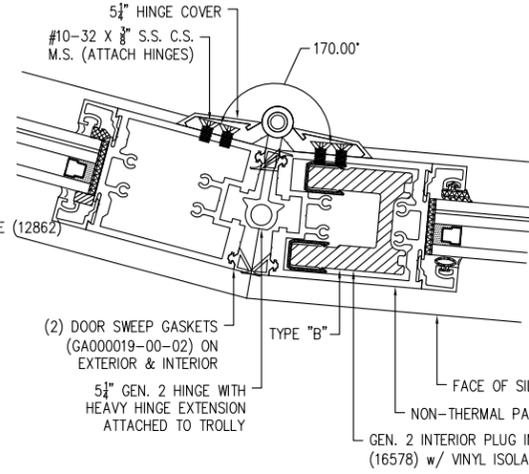
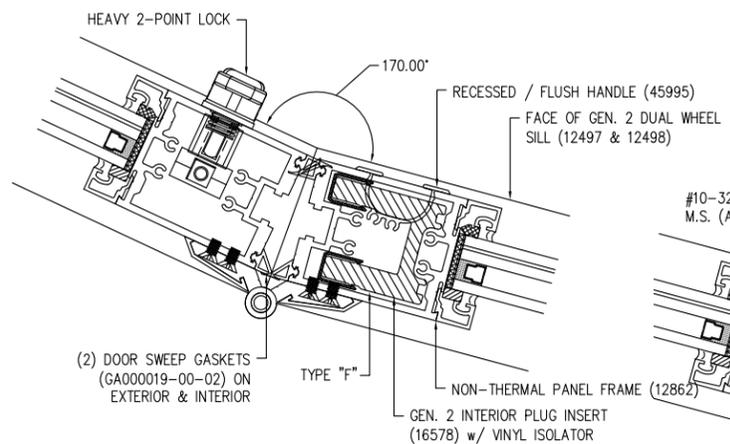
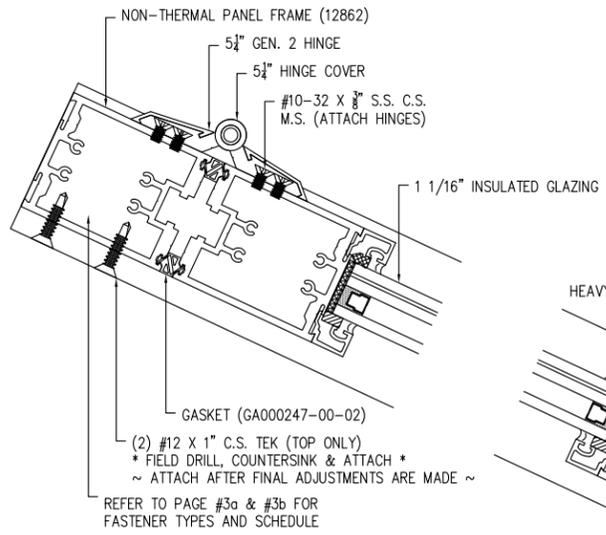
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CONTINUED
IN SHEET 7

EXTERIOR

INTERIOR

HORIZONTAL CROSS SECTION

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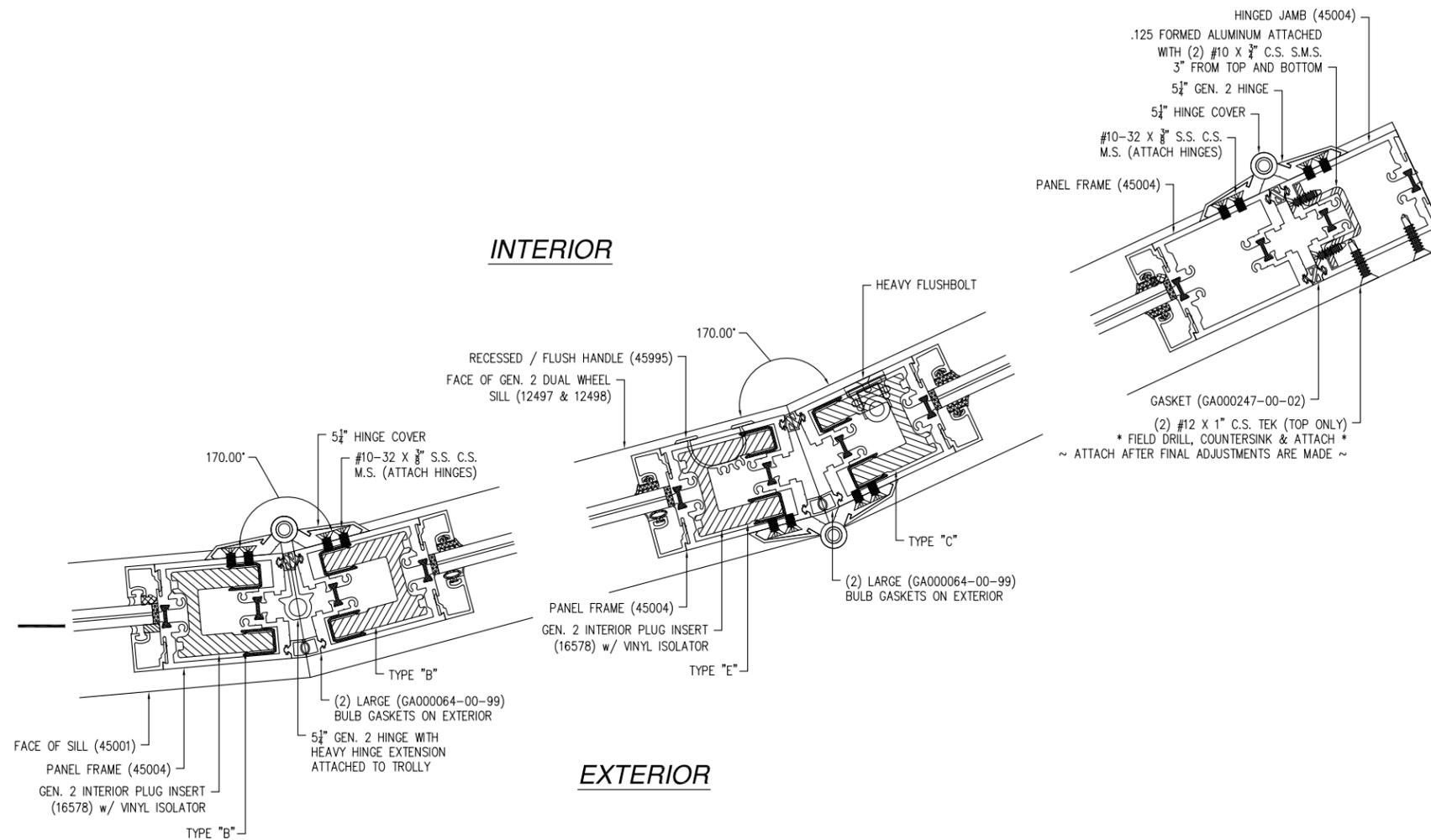
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FROM SHEET 6



HORIZONTAL CROSS SECTION

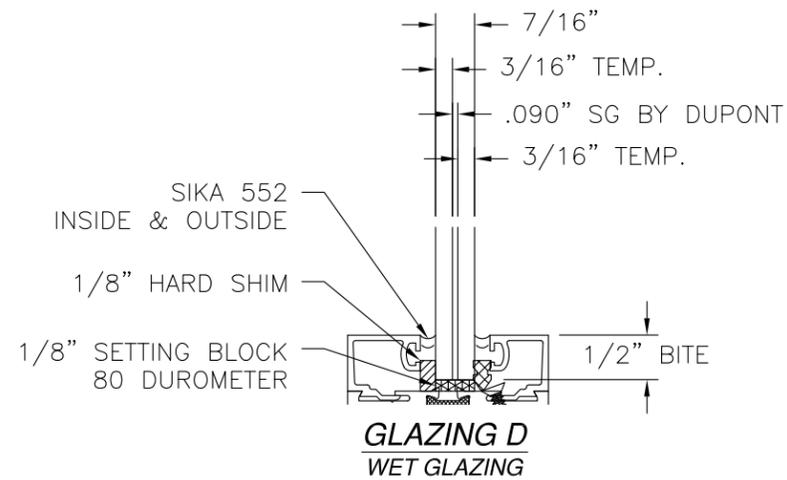
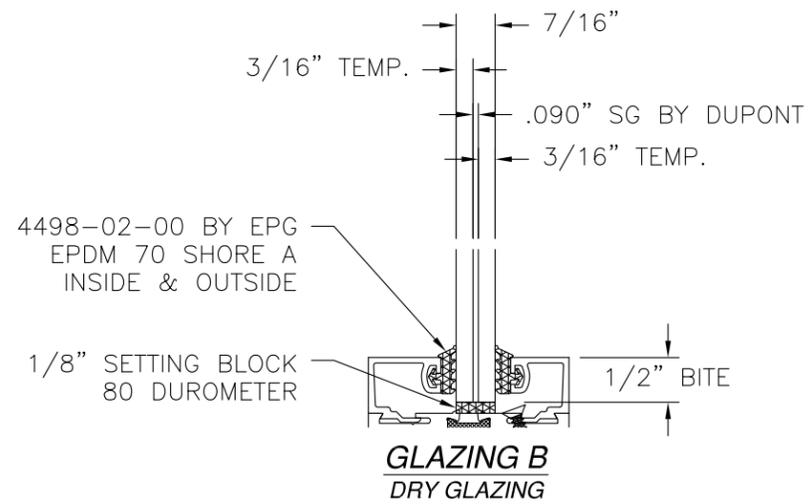
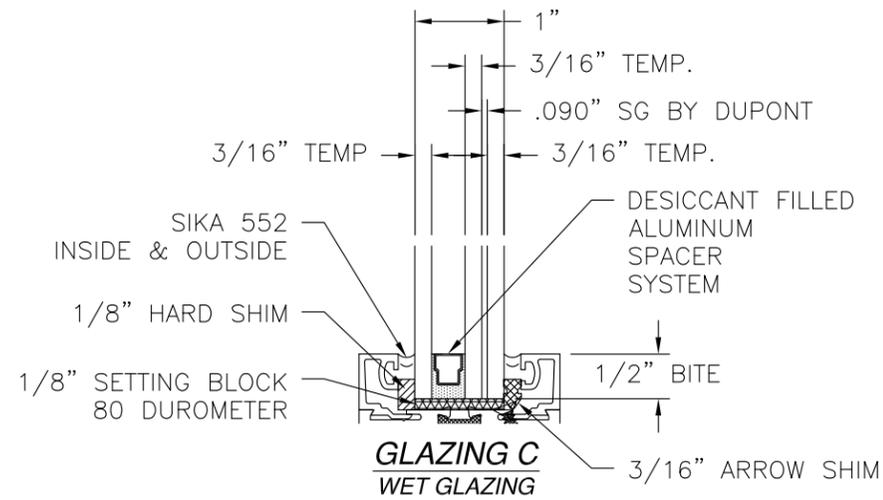
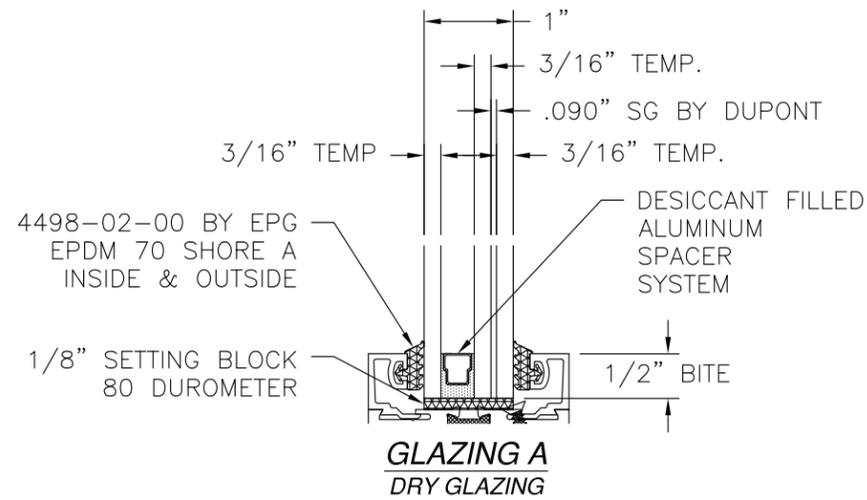
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SI 3350 FGW 3X8 PANEL RADIUS IN-SWING
FOLDING GLASS WALL - IMPACT
GLAZING DETAILS

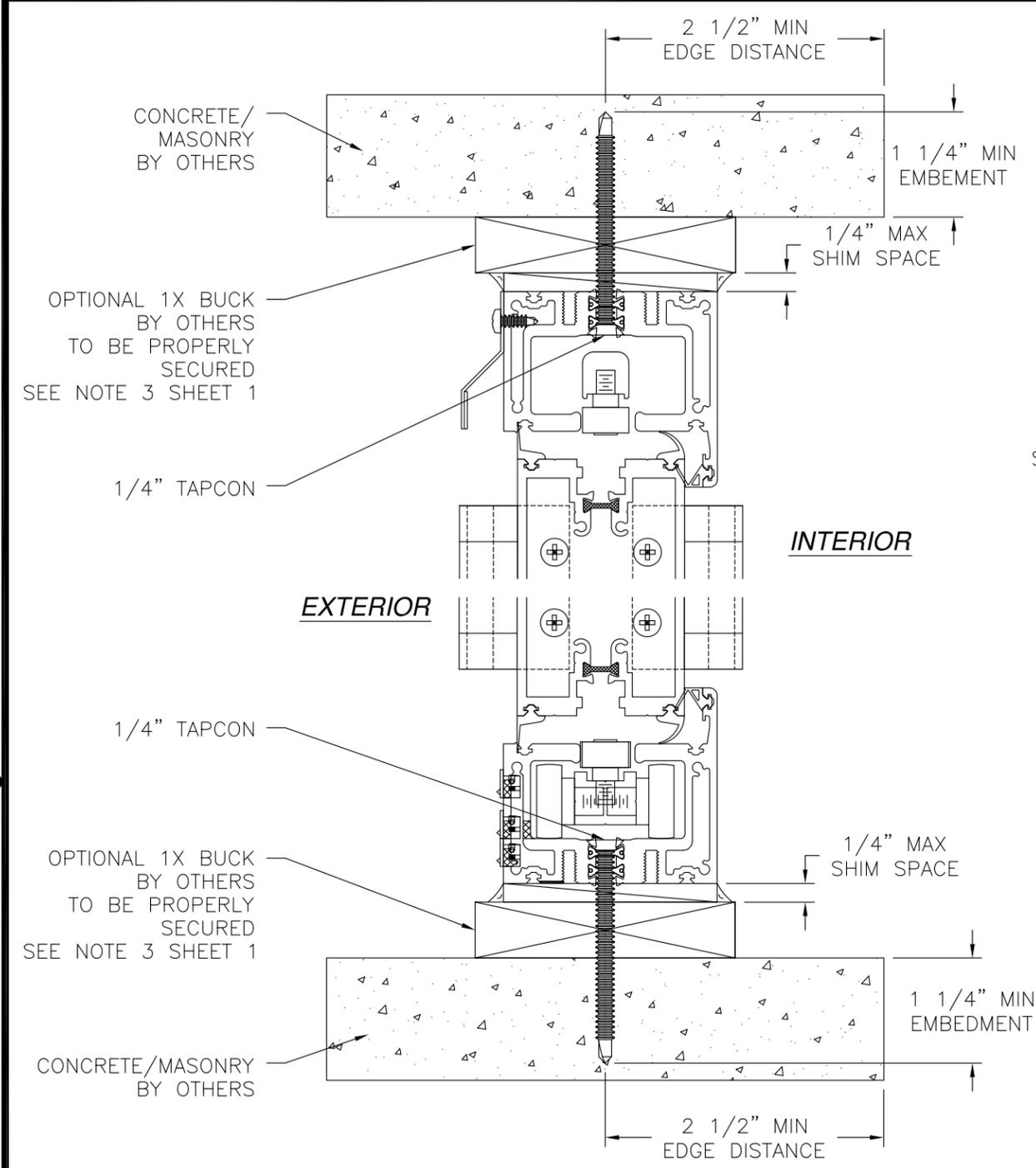
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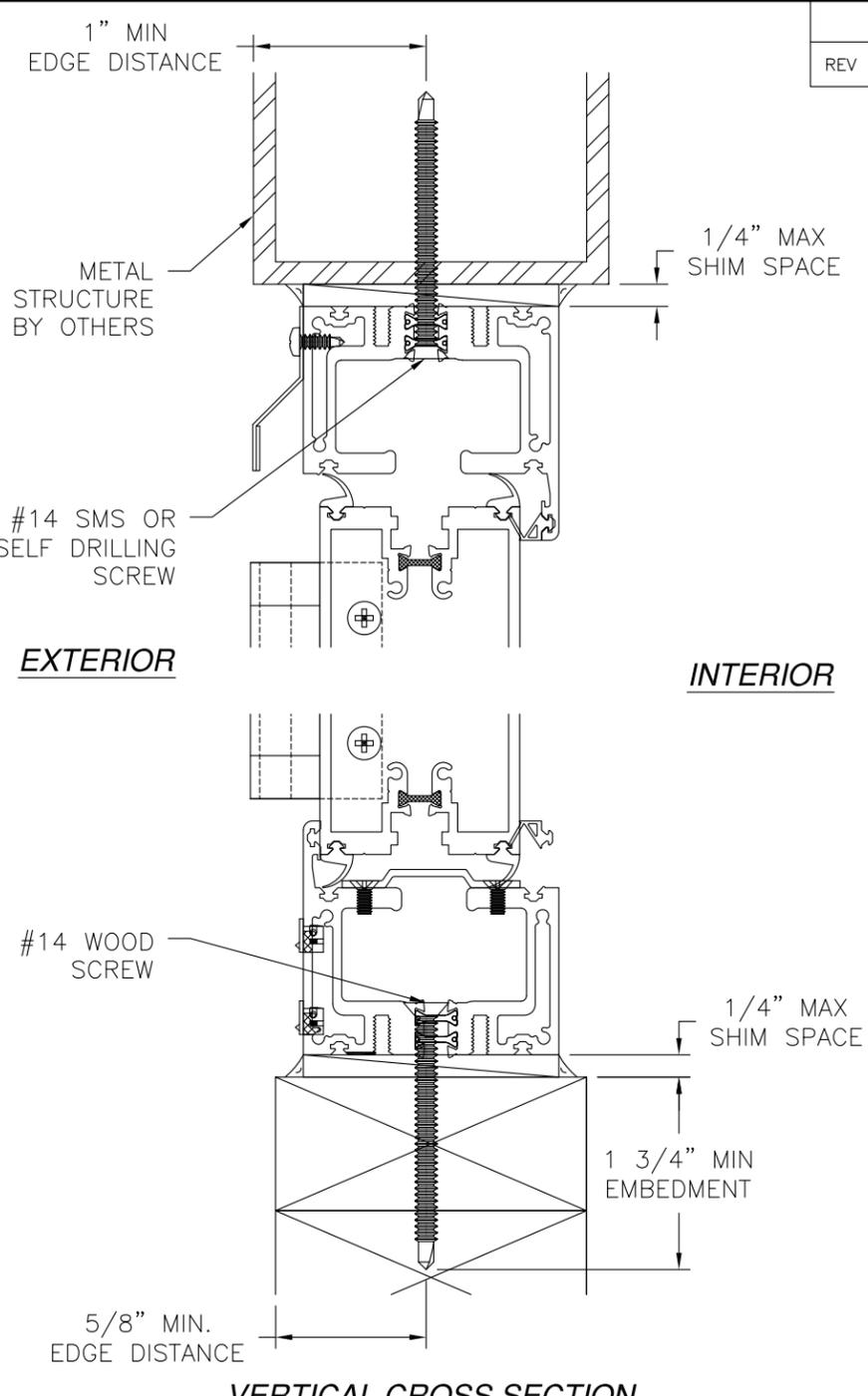


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



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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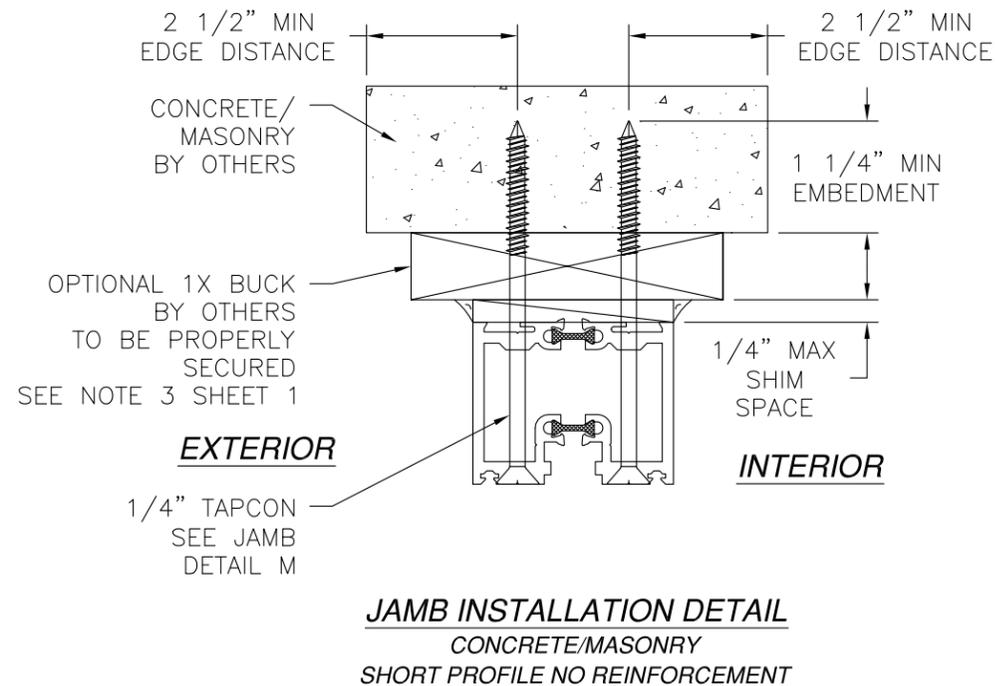
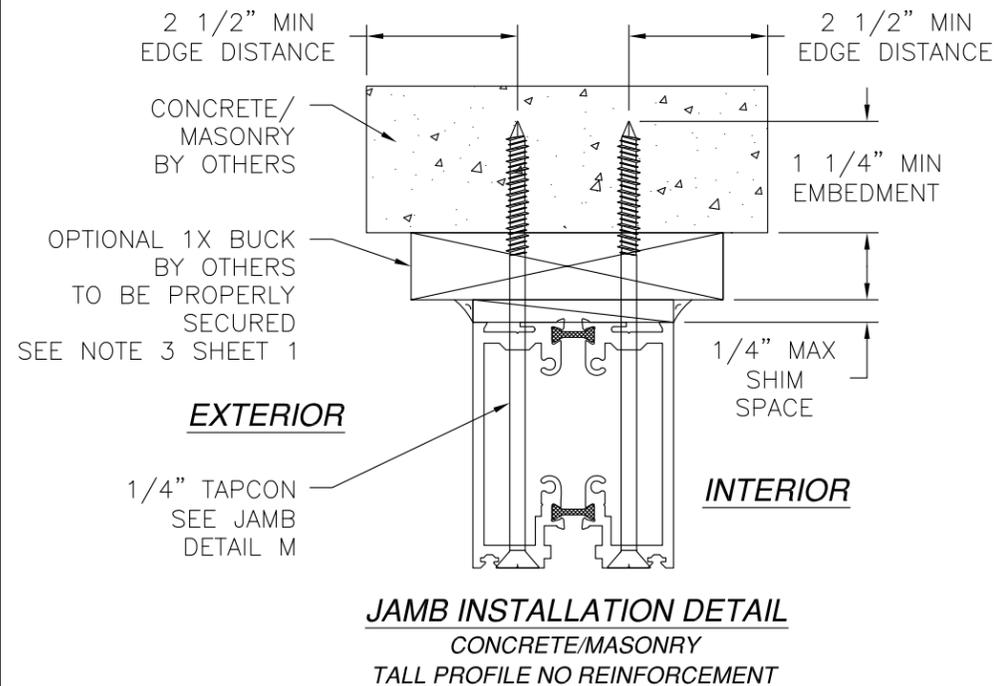
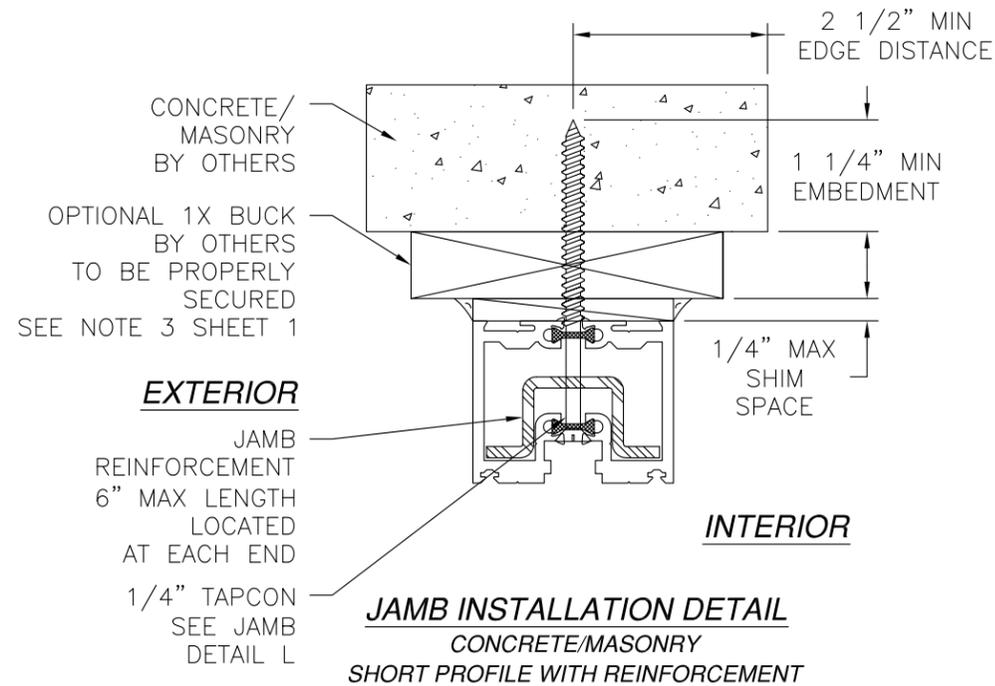
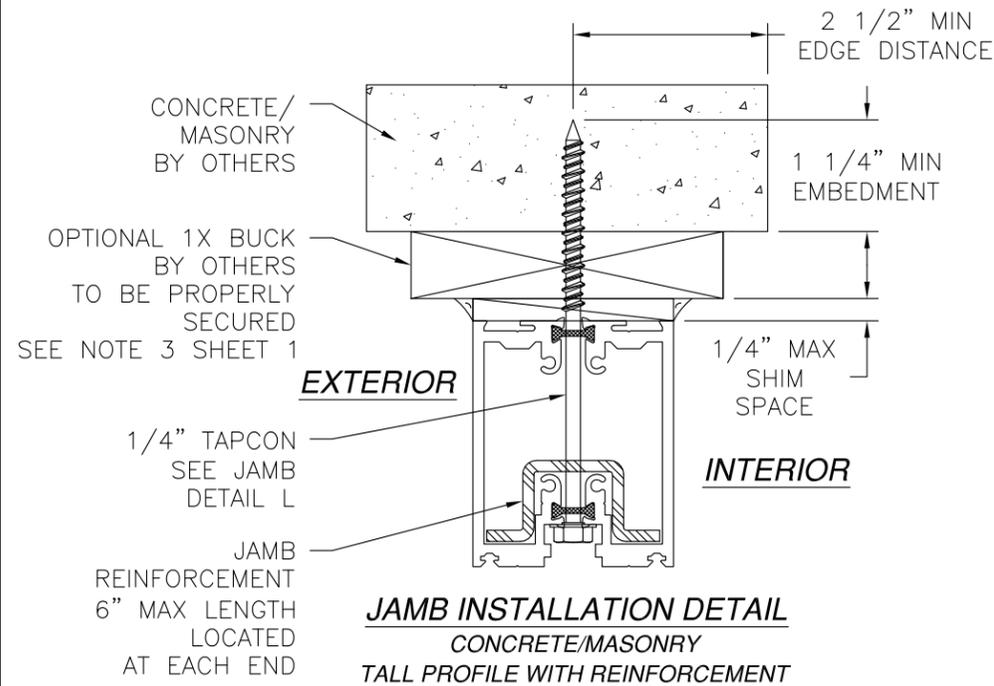
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31 ROBERTS RD PINE GROVE, PA 17963		
SI 3350 FGW 3X8 PANEL RADIUS IN-SWING FOLDING GLASS WALL – IMPACT INSTALLATION DETAILS		
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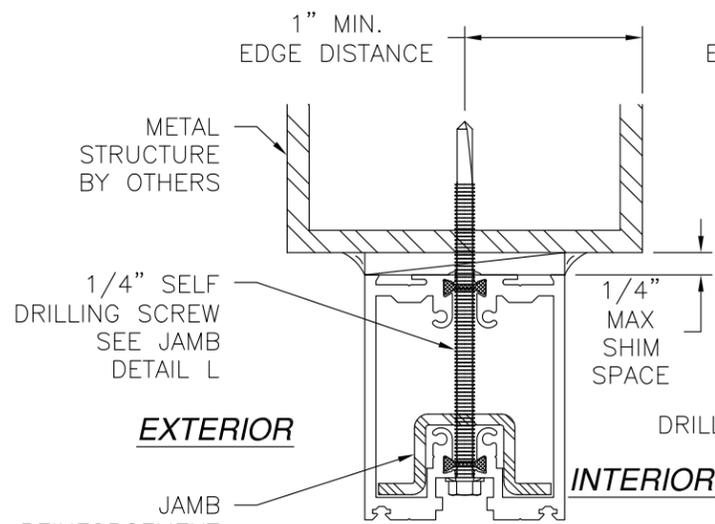
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 FOLDING GLASS WALL – IMPACT
 INSTALLATION DETAILS

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SCALE NTS	DATE 03/23/15	SHEET 10 OF 14

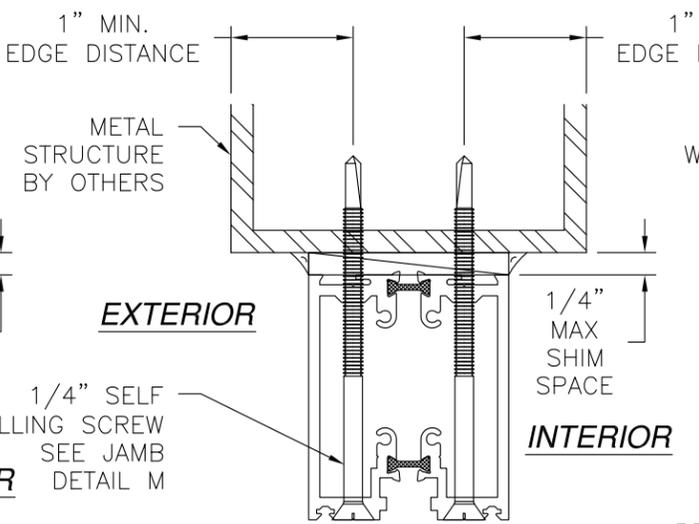
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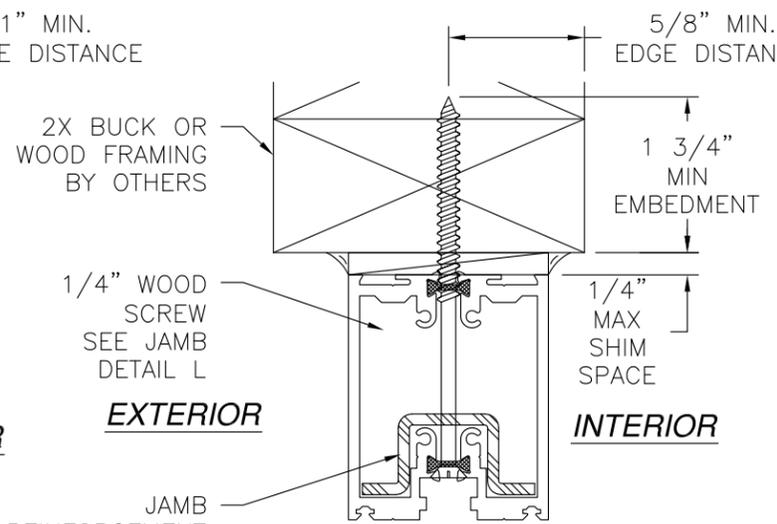
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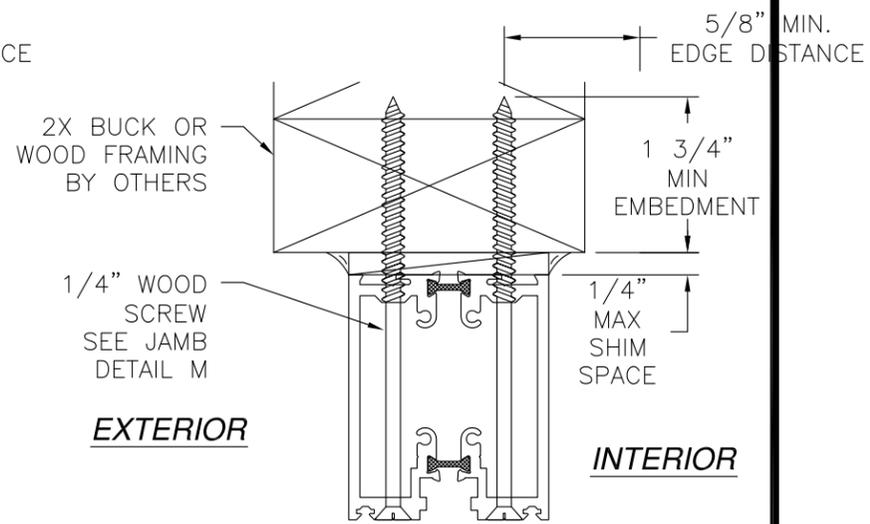
JAMB INSTALLATION DETAIL
METAL STRUCTURE
TALL PROFILE WITH REINFORCEMENT



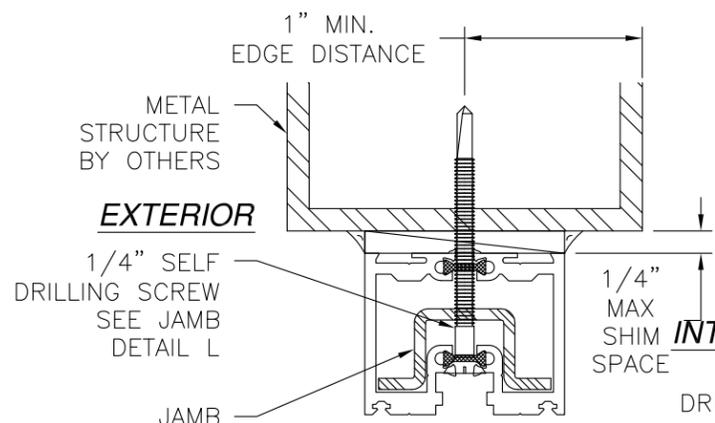
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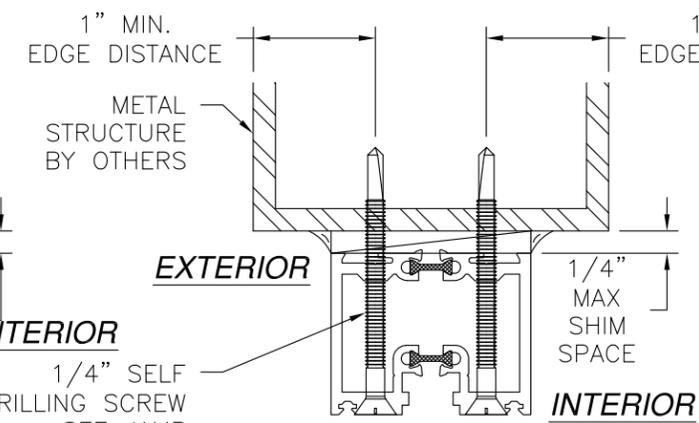
JAMB INSTALLATION DETAIL
2X BUCK OR WOOD FRAMING
TALL PROFILE WITH REINFORCEMENT



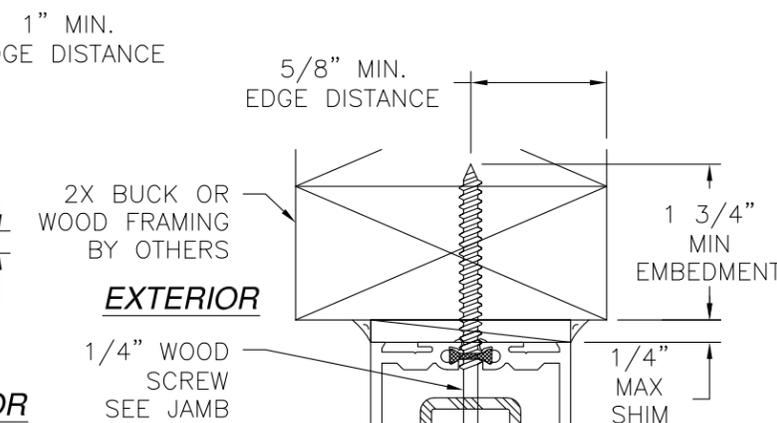
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TALL PROFILE NO REINFORCEMENT



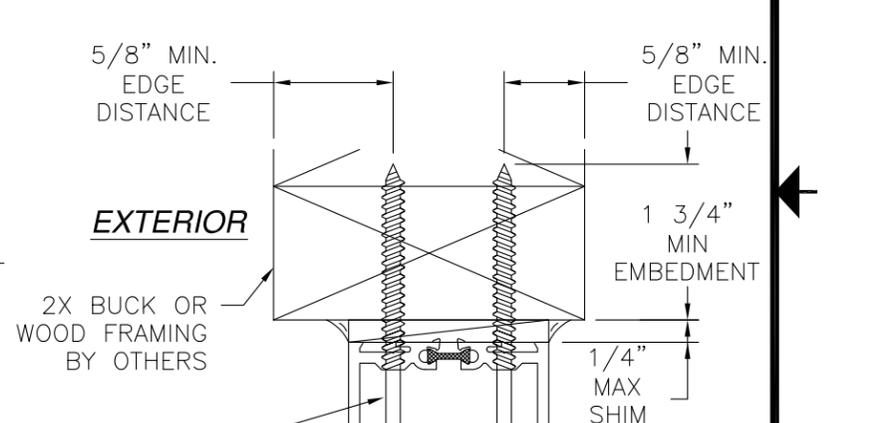
JAMB INSTALLATION DETAIL
METAL STRUCTURE
TALL PROFILE WITH REINFORCEMENT



JAMB INSTALLATION DETAIL
METAL STRUCTURE
SHORT PROFILE NO REINFORCEMENT



JAMB INSTALLATION DETAIL
2X BUCK OR WOOD FRAMING
SHORT PROFILE WITH REINFORCEMENT



JAMB INSTALLATION DETAIL
2X BUCK OR WOOD FRAMING
SHORT PROFILE NO REINFORCEMENT

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FOLDING GLASS WALL – IMPACT
INSTALLATION DETAILS

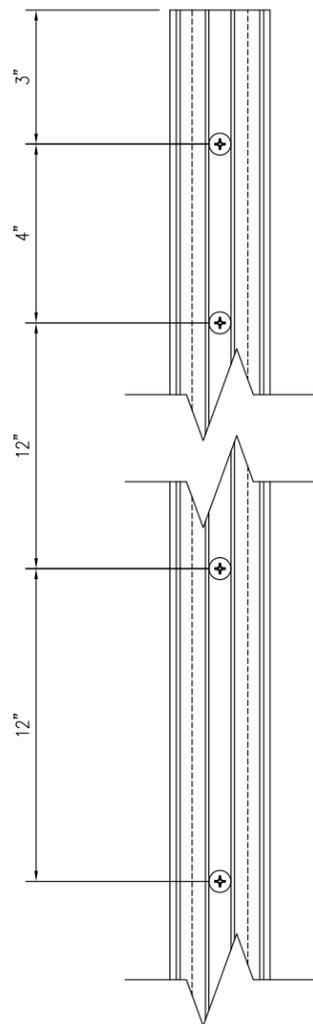
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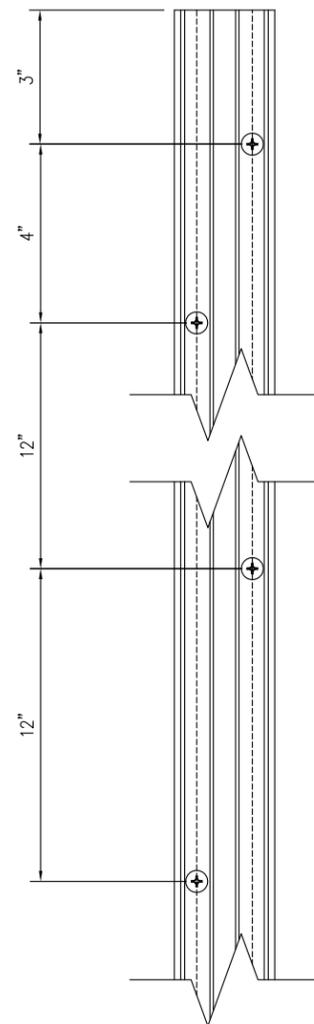


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JAMB INSTALLATION DETAIL L
JAMB WITH REINFORCEMENT



JAMB INSTALLATION DETAIL M
JAMB WITHOUT REINFORCEMENT

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SI 3350 FGW 3X8 PANEL RADIUS IN-SWING
FOLDING GLASS WALL – IMPACT
INSTALLATION DETAILS

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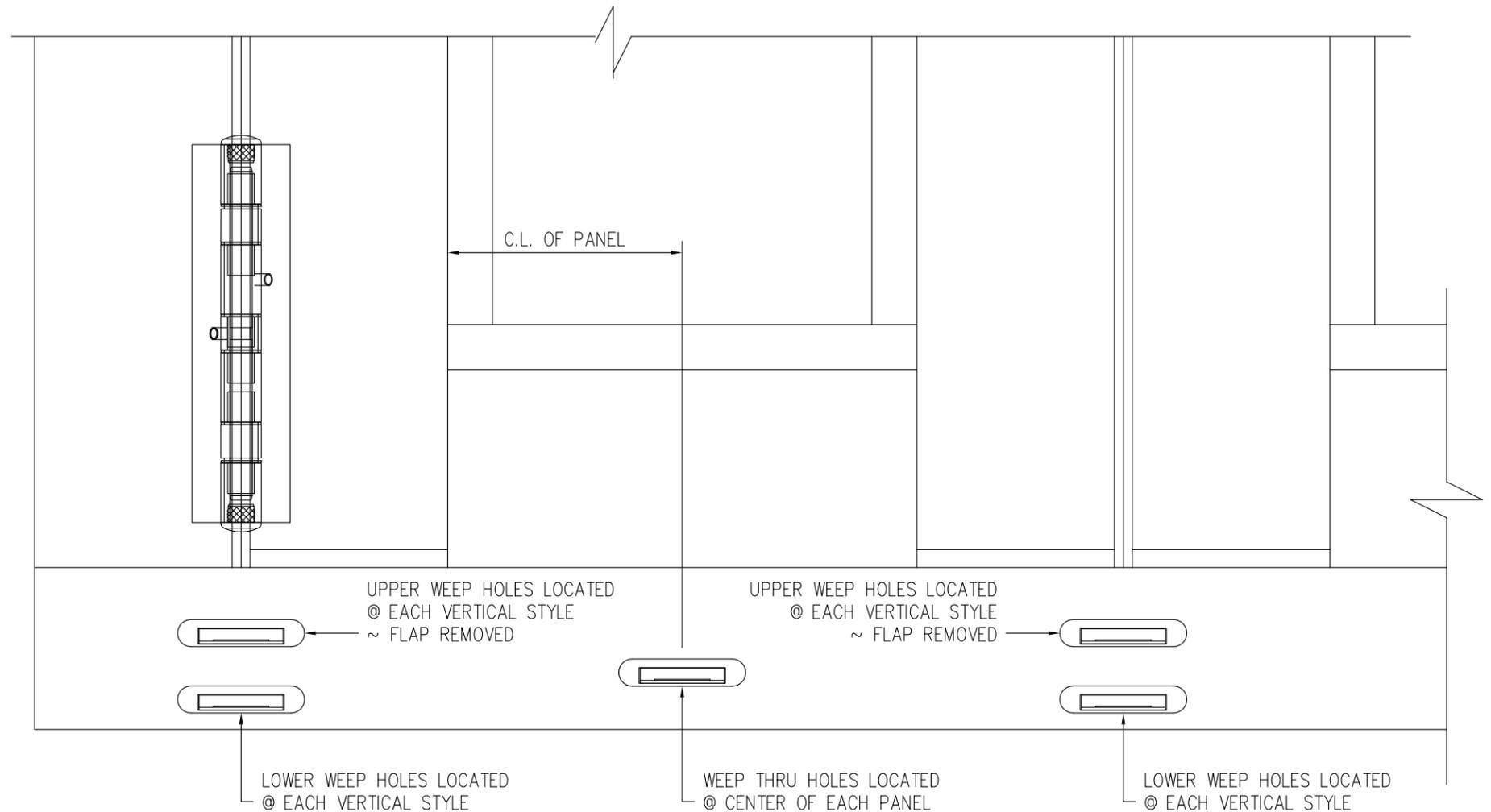
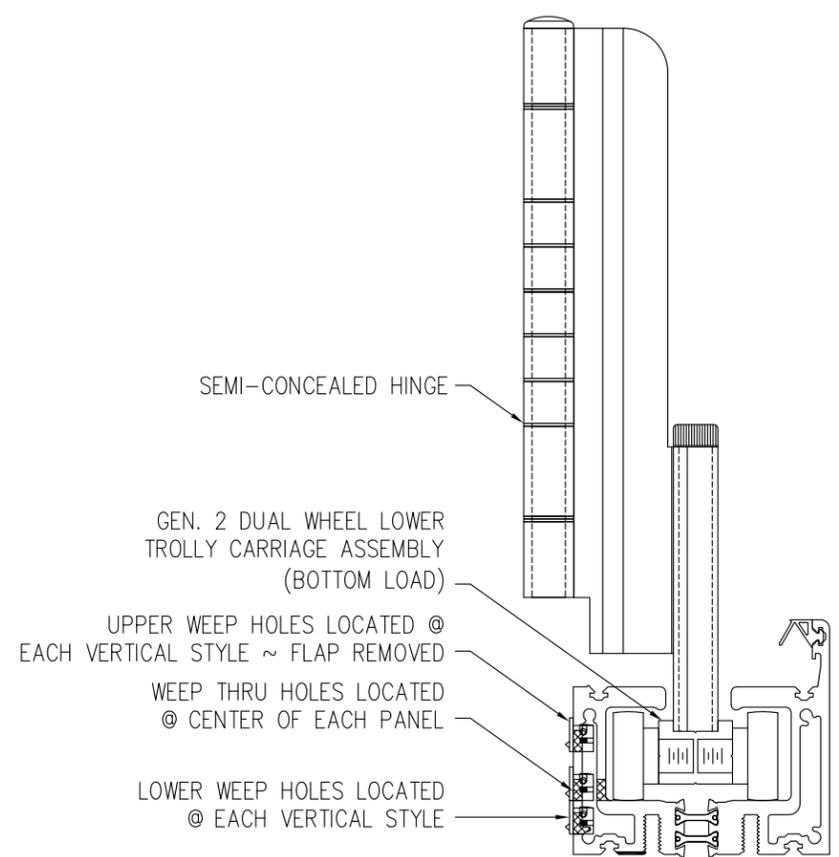
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WEEP LOCATIONS

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FOLDING GLASS WALL - IMPACT
WEEP LOCATIONS

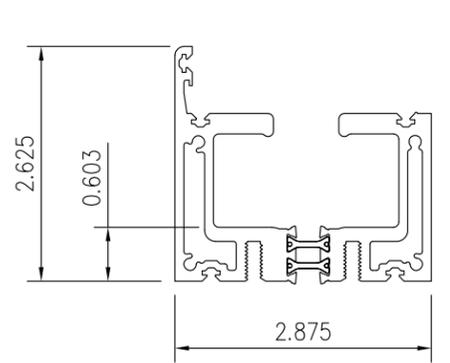
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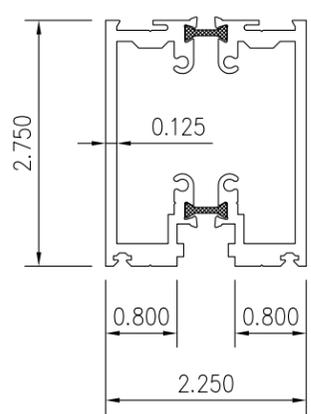


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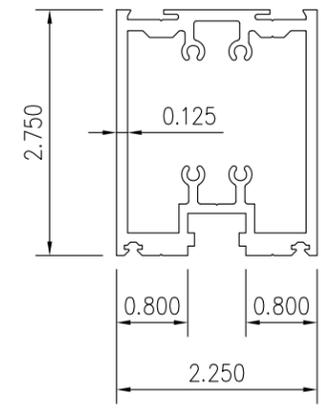
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



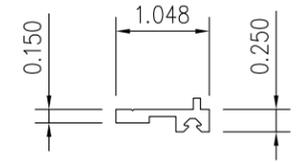
1 DUAL WHEEL HEAD / SILL



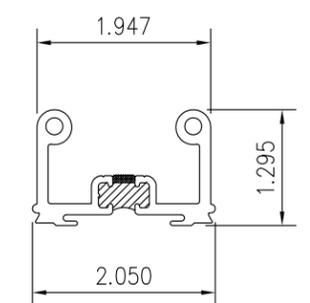
2 FRAME



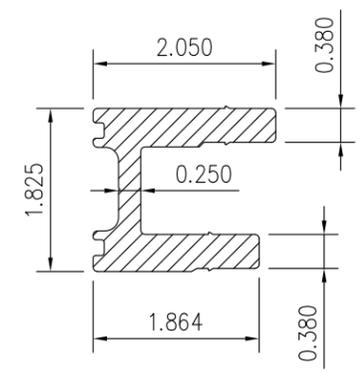
3 FRAME NON-THERMAL



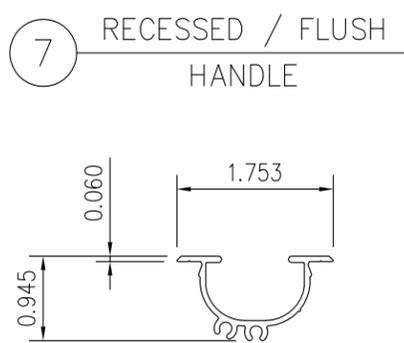
4 FRAME CAP



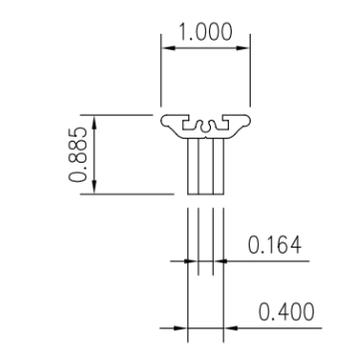
5 FRAME LUG



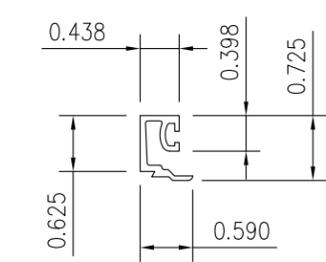
6 ALUMINUM INSERT



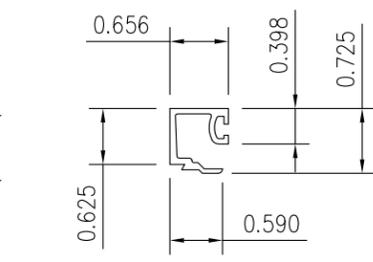
7 RECESSED / FLUSH HANDLE



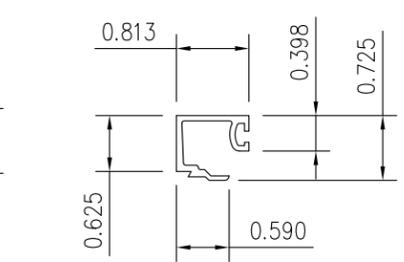
8 LOW-PROFILE HANDLE



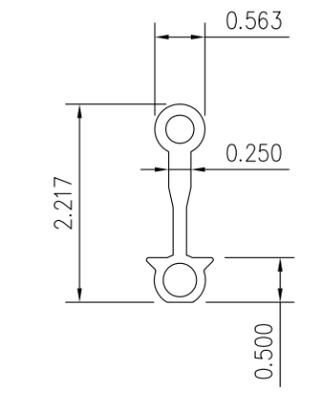
9 1" GLASS STOP



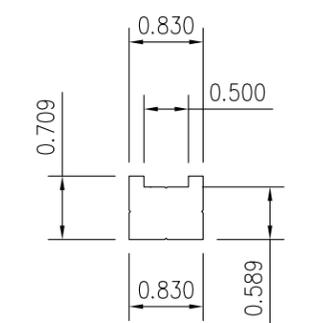
10 9/16" GLASS STOP



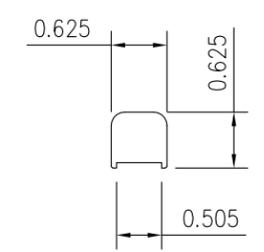
11 1/4" GLASS STOP



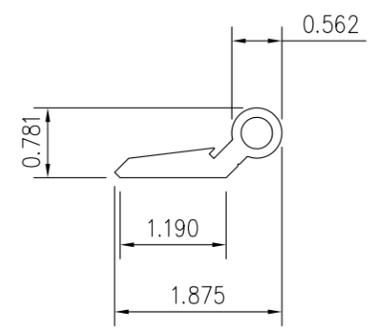
12 HINGE EXTENSION



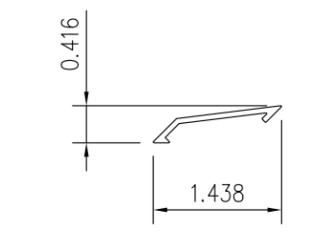
13 TROLLEY BODY



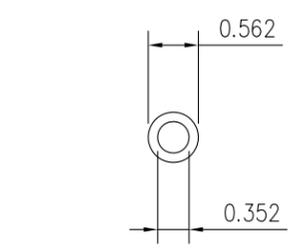
14 IDLER BODY



15 5 1/4" HINGE



16 5 1/4" HINGE COVER



17 HINGE BARREL

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SI 3350 FGW 3X8 PANEL RADIUS IN-SWING
 FOLDING GLASS WALL - IMPACT
 COMPONENTS

DRAWN: N.G.	DWG NO. 08-02655	REV -
SCALE NTS	DATE 03/23/15	SHEET 14 OF 14

SIGNED: 03/23/2015



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