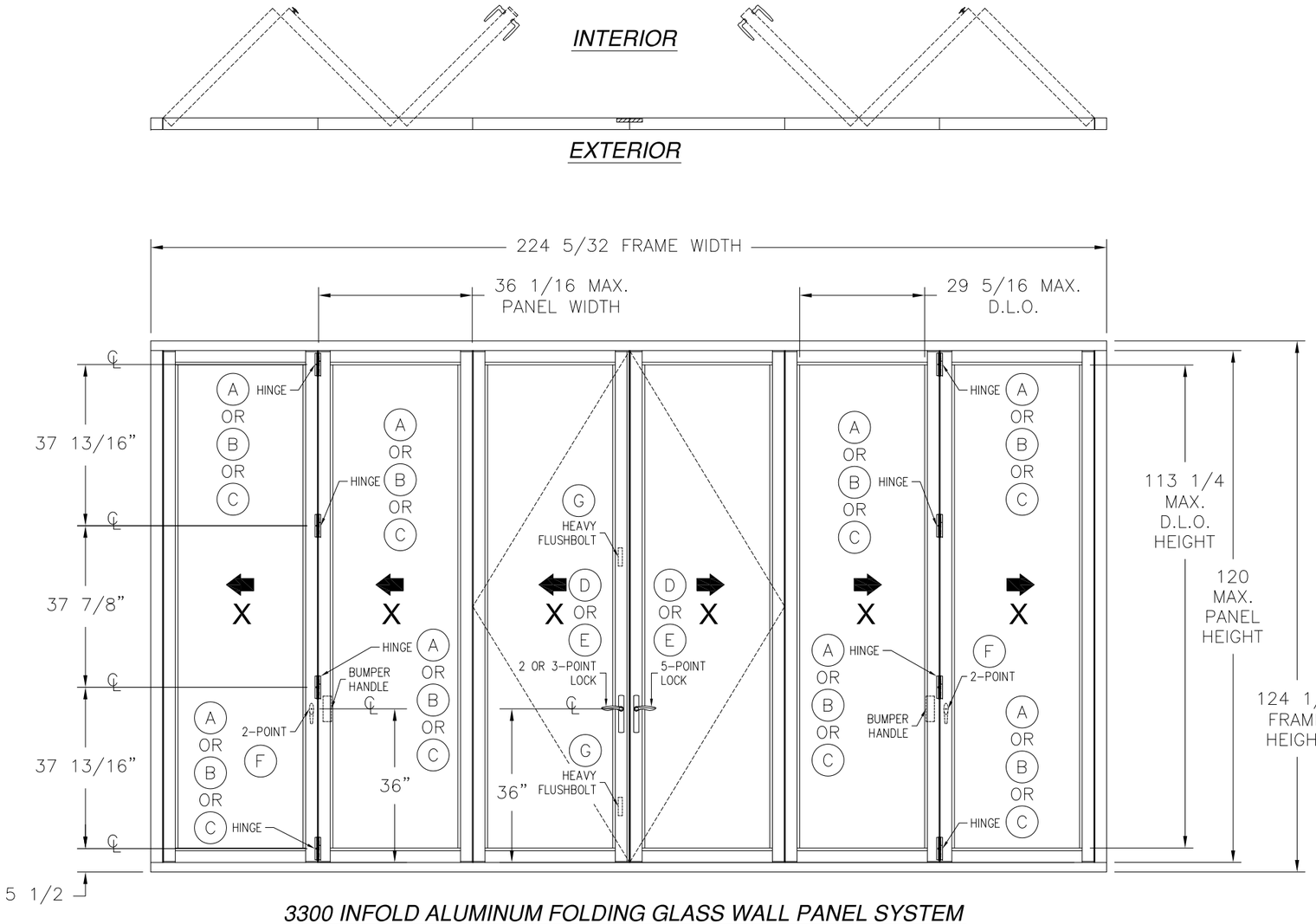

3300 INFOLD ALUMINUM FOLDING GLASS WALL PANEL SYSTEM

EXTERIOR VIEW

SEE NOTE 8 FOR APPROVED CONFIGURATIONS

DESIGN PRESSURE RATING	*IMPACT RATING*
+ 30.0 PSF - 58.0 PSF	*LARGE AND SMALL MISSILE IMPACT*

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS STATE 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) FRAME AND PANEL MATERIAL: THERMALLY BROKEN 6063–T6 ALUMINUM ALLOY .125" THICK.
5) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
6) UNITS MUST BE GLAZED WITH 1 1/16" IGU LAMINATED GLASS OR 7/16" SINGLE LAMINATED GLASS PER ASTM E1300. SEE SHEET 2 FOR APPROVED GLASS TYPES.
7) 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.
8) (6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AS SHOWN HEREIN.

HARDWARE SCHEDULE
A. COMMON HINGE MS000353–00–XX BY SOLAR INNOVATIONS
B. HEAVY HINGE MS000259–00–XX BY SOLAR INNOVATIONS
C. HEAVY HINGE MS000530–00–XX BY SOLAR INNOVATIONS
D. 5 POINT LOCK WITH 2 POINT LOCK BY HOPPE
E. 5 POINT LOCK W/ 3 POINT LOCK BY GU HARDWARE (ALTERNATE)
F. 2 POINT HANDLE & LOCK MS000487–XX BY SOLAR INNOVATIONS
G. HEAVY FLUSH BOLTS MD000442–00–XX BY SOLAR INNOVATIONS

SIGNED: 07/12/2011

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SHEET NO.	DESCRIPTION
1	INFOLD ELEVATION AND NOTES
2	OUTFOLD ELEVATION, AND GLAZING DETAILS
3	ANCHORING LAYOUT, DEATILS AND NOTES
4 – 7	INSTALLATION DETAILS

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
PINE GROVE, PA 17963

3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING GLASS WALL PANEL SYSTEM
INFOLD ELEVATION AND NOTES

DRAWN:	DWG NO.	REV
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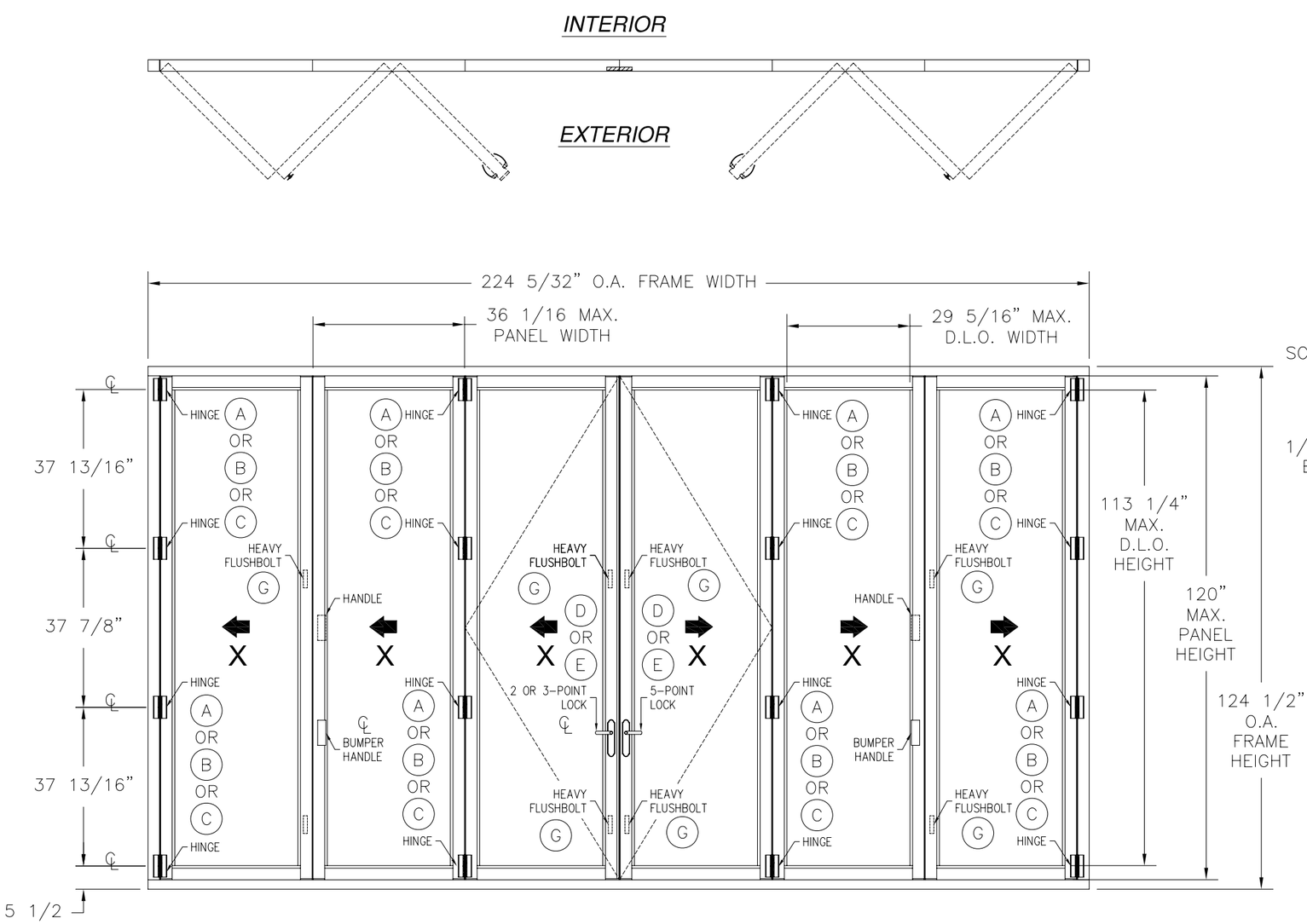
SCALE NTS	DATE 08/06/10	SHEET 1 OF 11

Luis R. Lomas P.E.
Texas No. 101889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

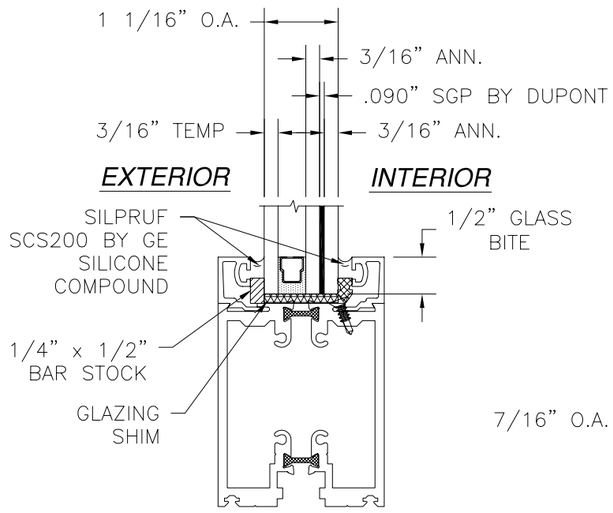


3300 OUTFOLD ALUMINUM FOLDING GLASS WALL PANEL SYSTEM

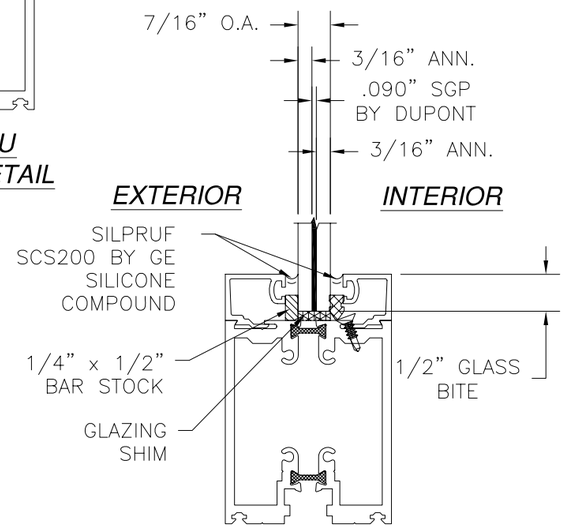
EXTERIOR VIEW

SEE NOTE 8 IN SHEET 1 FOR APPROVED CONFIGURATIONS

DESIGN PRESSURE RATING	*IMPACT RATING*
±58PSF	*LARGE AND SMALL MISSILE IMPACT*



1 1/16" IGU GLAZING DETAIL



7/16" LAMINATED GLAZING DETAIL

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
PINE GROVE, PA 17963

3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING GLASS WALL PANEL SYSTEM
OUTFOLD ELEVATION AND GLAZING DETAILS

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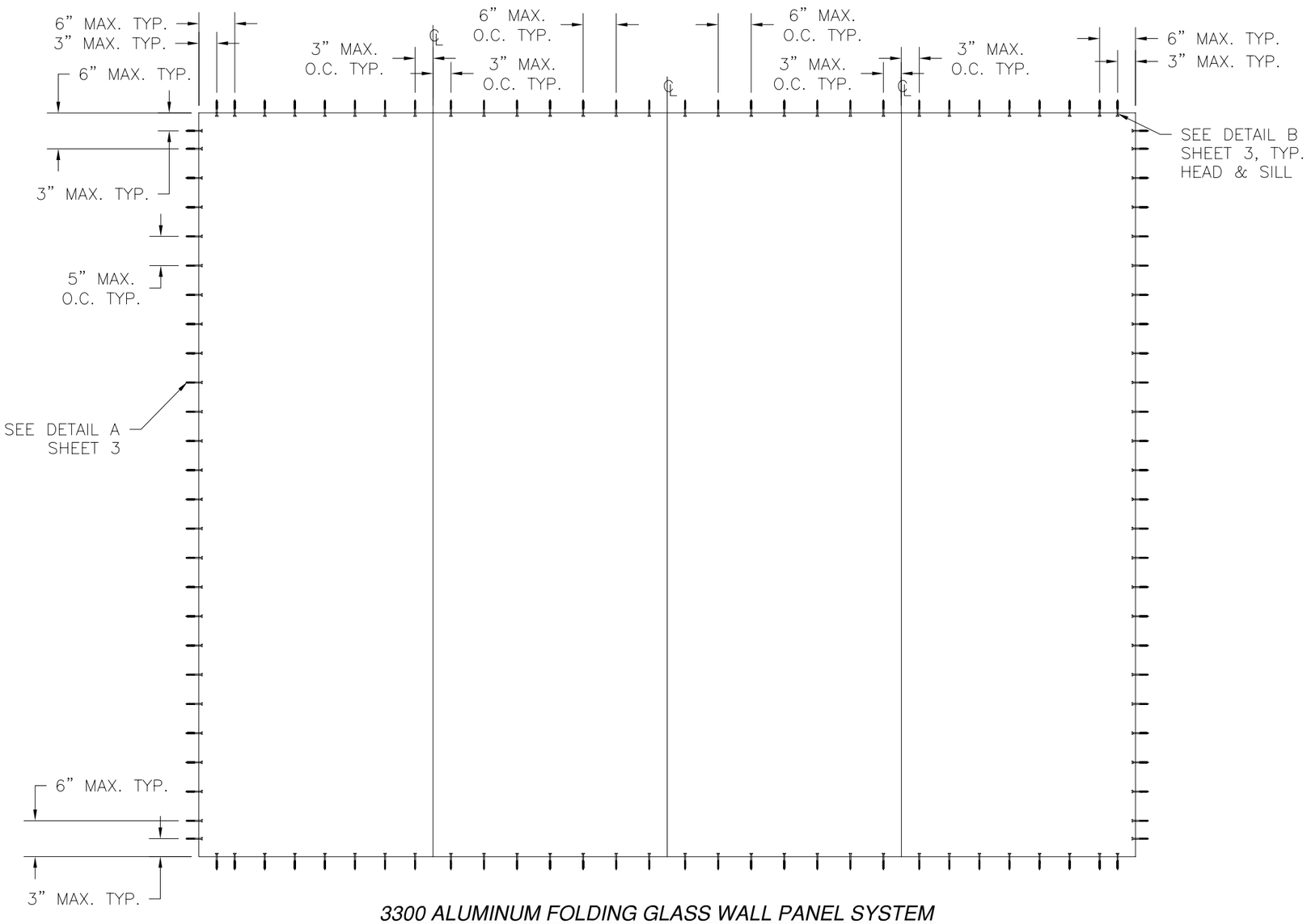
REV	DESCRIPTION	DATE	APPROVED

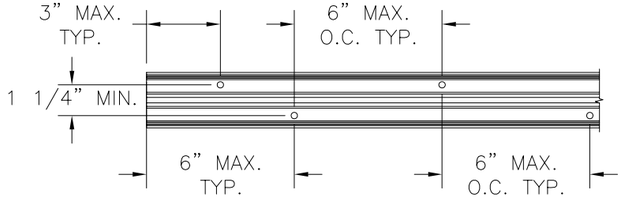


3300 ALUMINUM FOLDING GLASS WALL PANEL SYSTEM

4 PANEL UNIT SHOWN, ANCHORING LAYOUT APPLIES TO ALL APPROVED CONFIGURATIONS

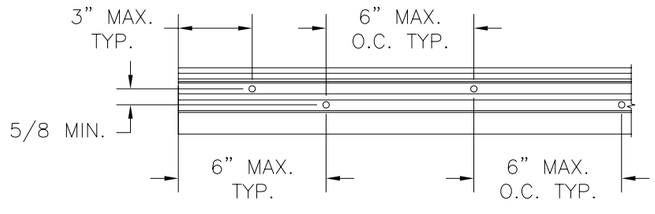
ANCHORING NOTES:

1) ALL FASTENERS TO BE CORROSION RESISTANT.
2) 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".
3) FOR ANCHORING INTO MASONRY USE 1/4" ITW 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.
4) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 11/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
5) 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).



DETAIL A

JAMB LAYOUT



DETAIL B

HEAD & SILL LAYOUT

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
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3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING GLASS WALL PANEL SYSTEM
ANCHORING LAYOUT AND NOTES

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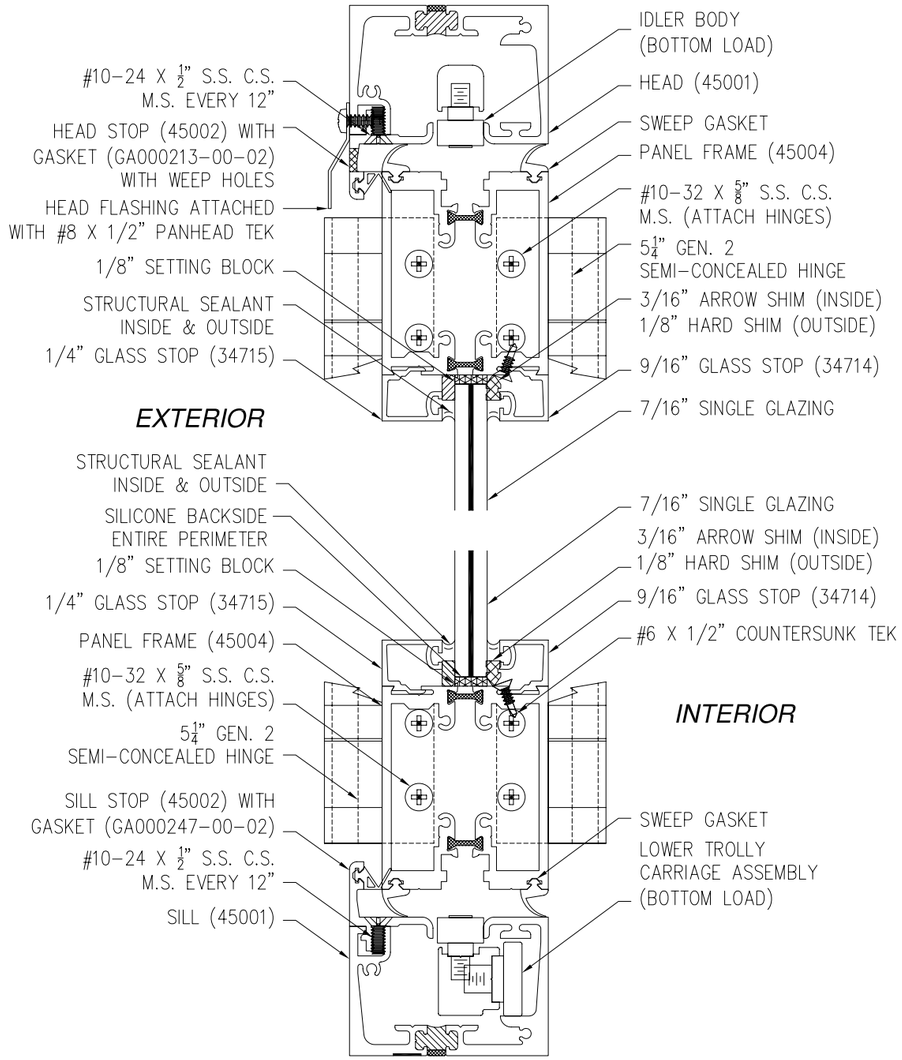
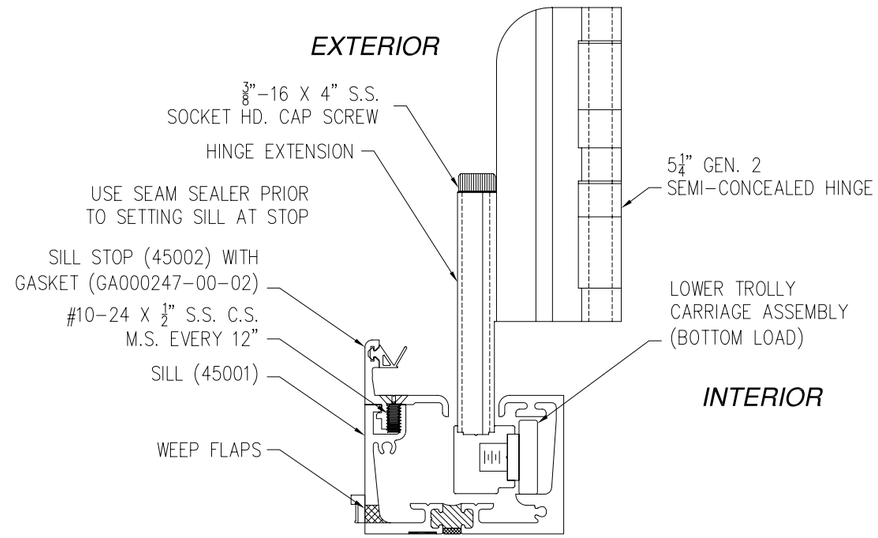


INFOLD VERTICAL CROSS SECTION



INFOLD WEEP HOLE AND HINGE EXTENSION DETAIL

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
PINE GROVE, PA 17963

3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING
GLASS WALL PANEL SYSTEM
INFOLD VERTICAL CROSS SECTION

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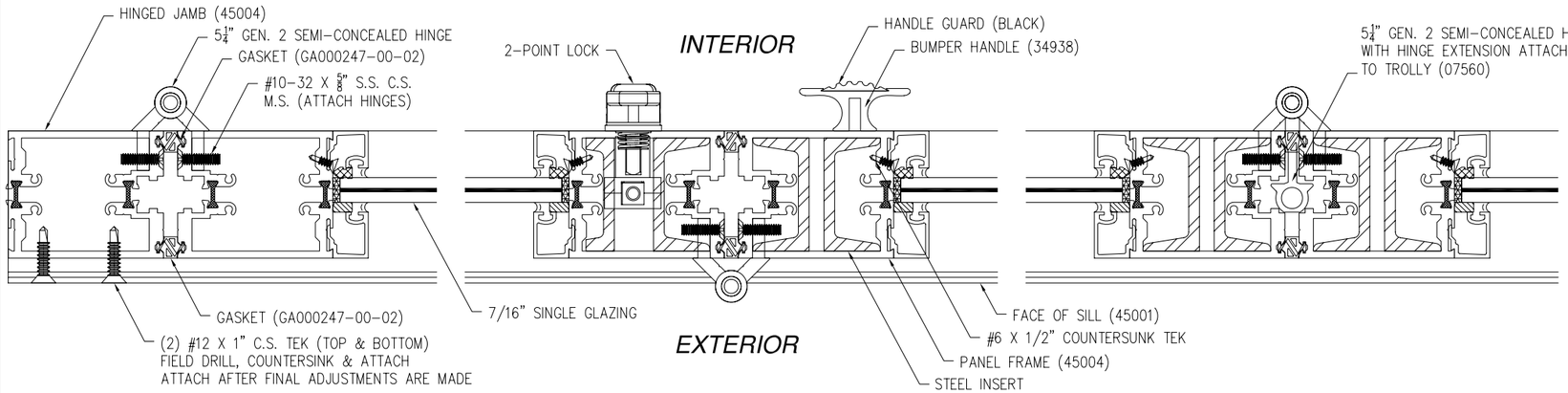
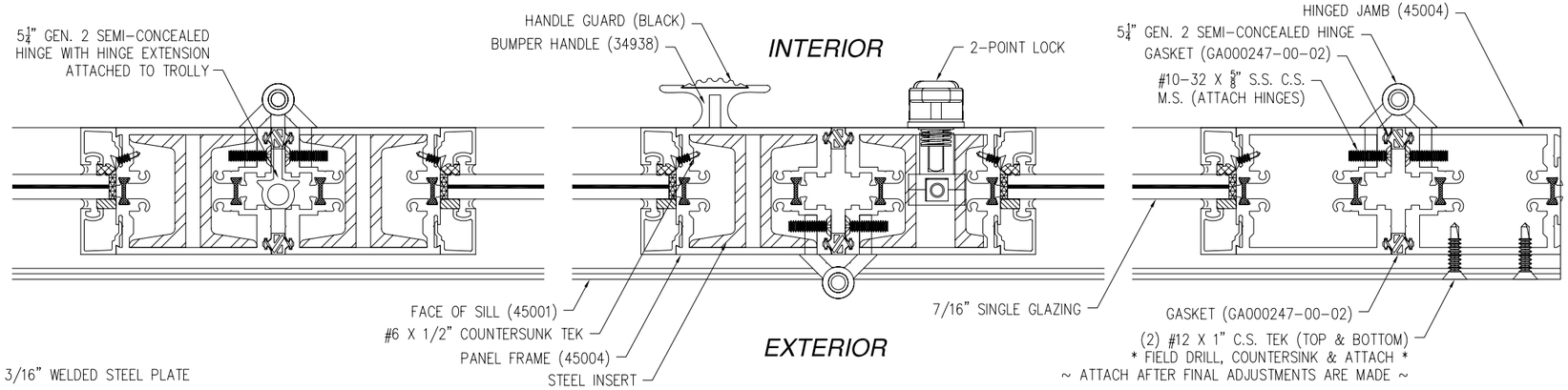
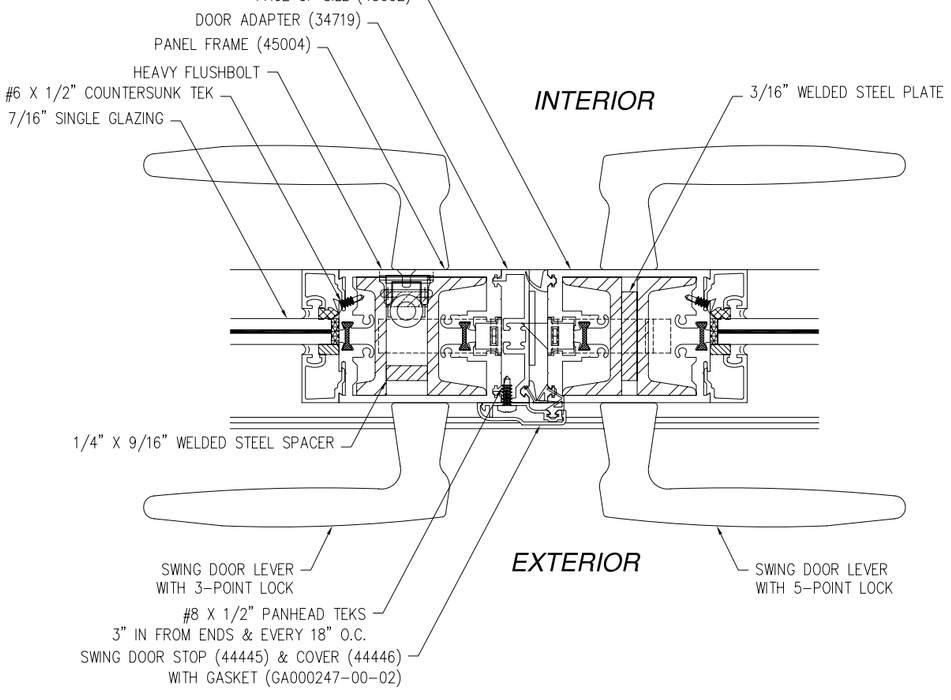


INFOLD HORIZONTAL CROSS SECTION
LEFT SIDE



INFOLD HORIZONTAL CROSS SECTION
RIGHT SIDE



INFOLD HORIZONTAL CROSS SECTION
CENTER

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
PINE GROVE, PA 17963

3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING GLASS WALL PANEL SYSTEM
INFOLD HORIZONTAL CROSS SECTIONS

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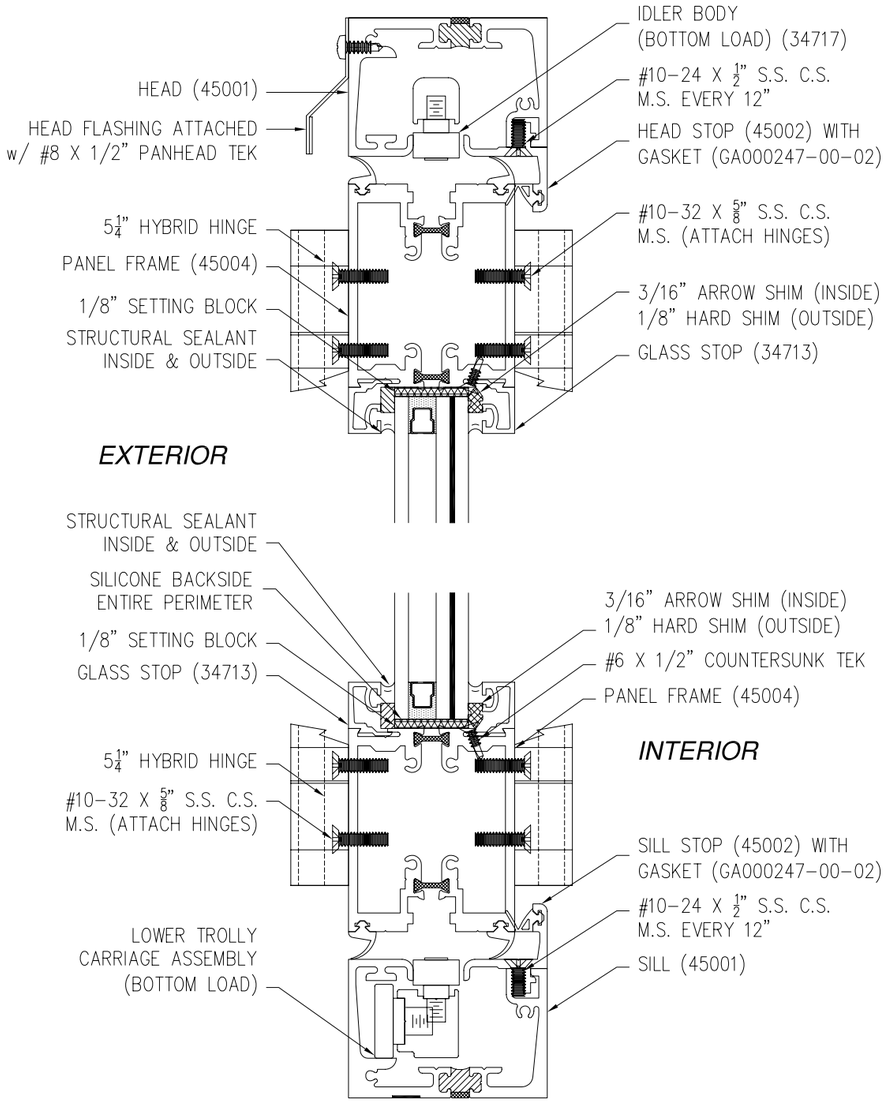
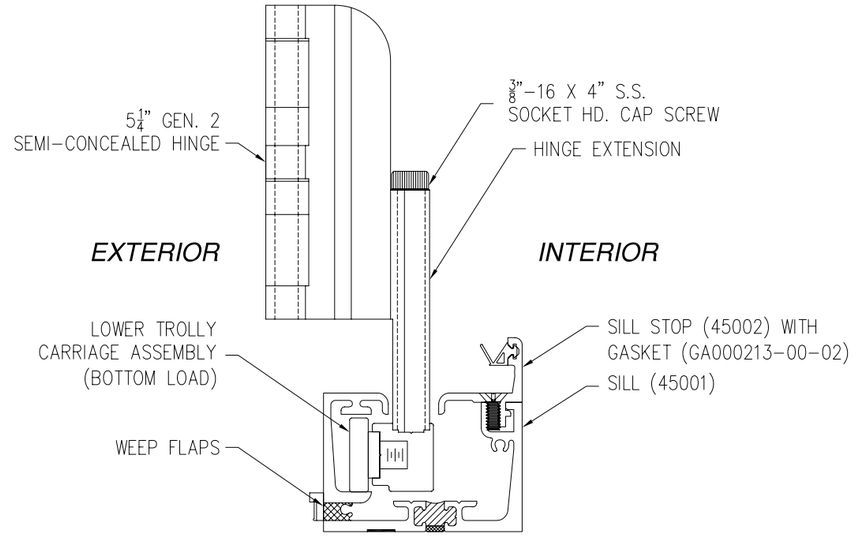


OUTFOLD VERTICAL CROSS SECTION



OUTFOLD WEEP HOLE AND HINGE EXTENSION DETAIL

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
PINE GROVE, PA 17963

3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING GLASS WALL PANEL SYSTEM
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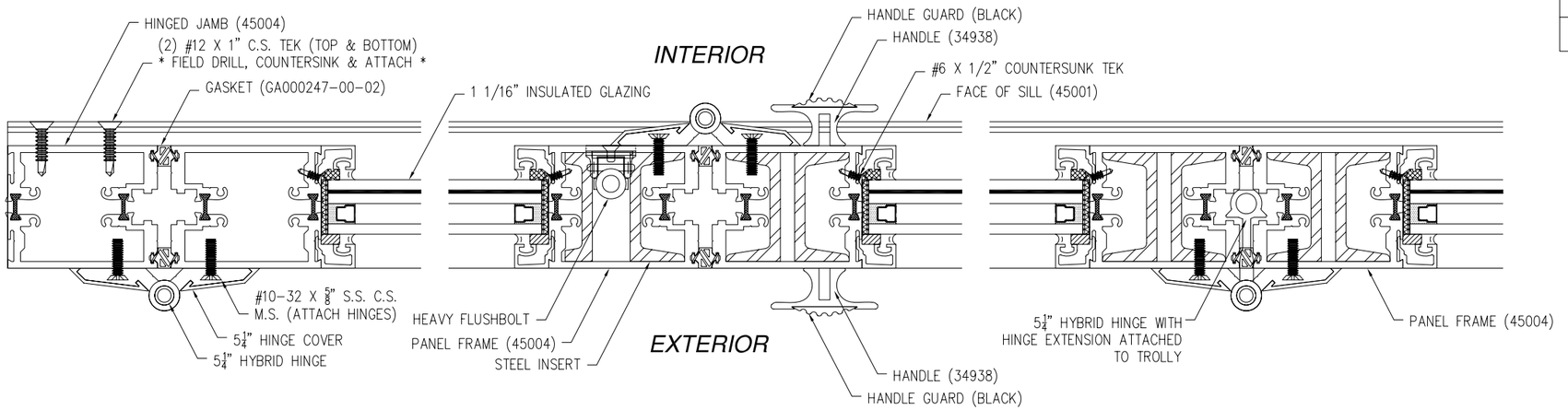
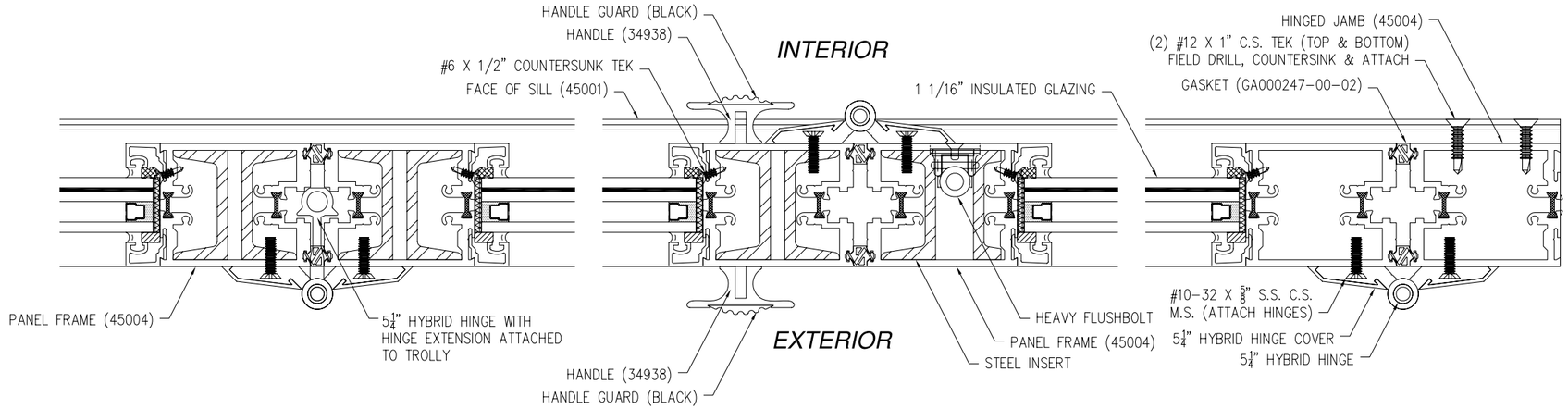
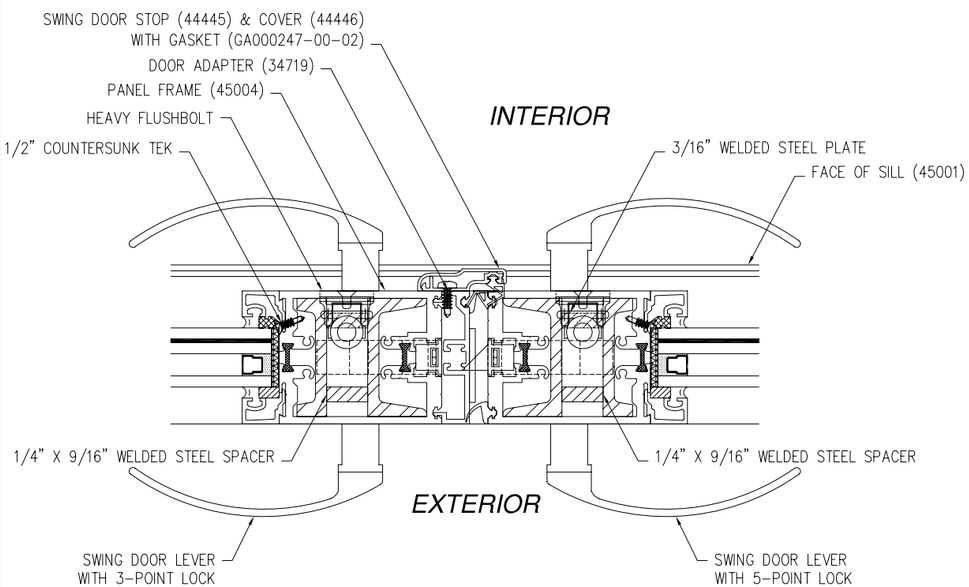


OUTFOLD HORIZONTAL CROSS SECTION
LEFT SIDE



OUTFOLD HORIZONTAL CROSS SECTION
RIGHT SIDE



OUTFOLD HORIZONTAL CROSS SECTION
CENTER

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
PINE GROVE, PA 17963

3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING
GLASS WALL PANEL SYSTEM
OUTFOLD HORIZONTAL CROSS SECTIONS

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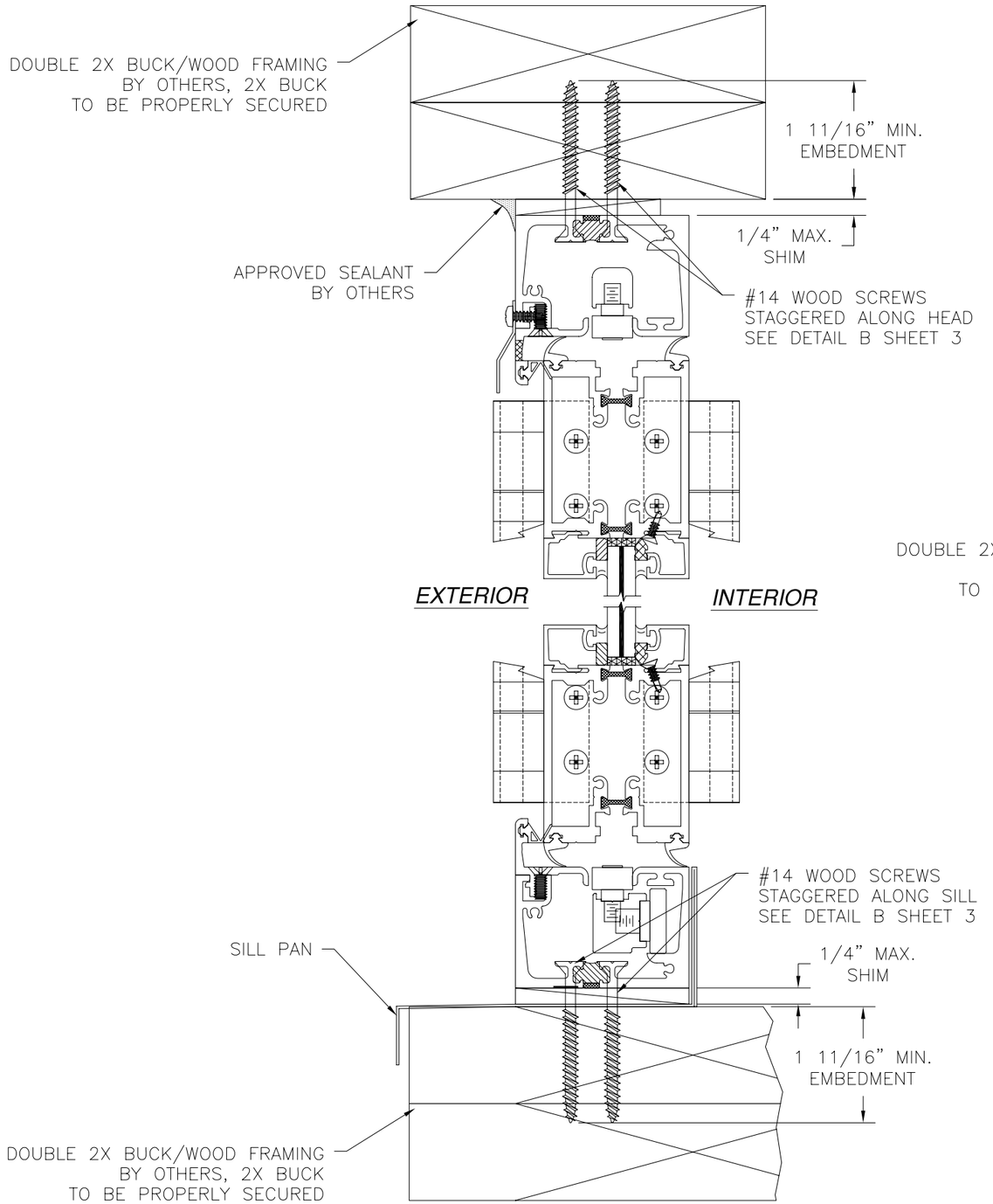
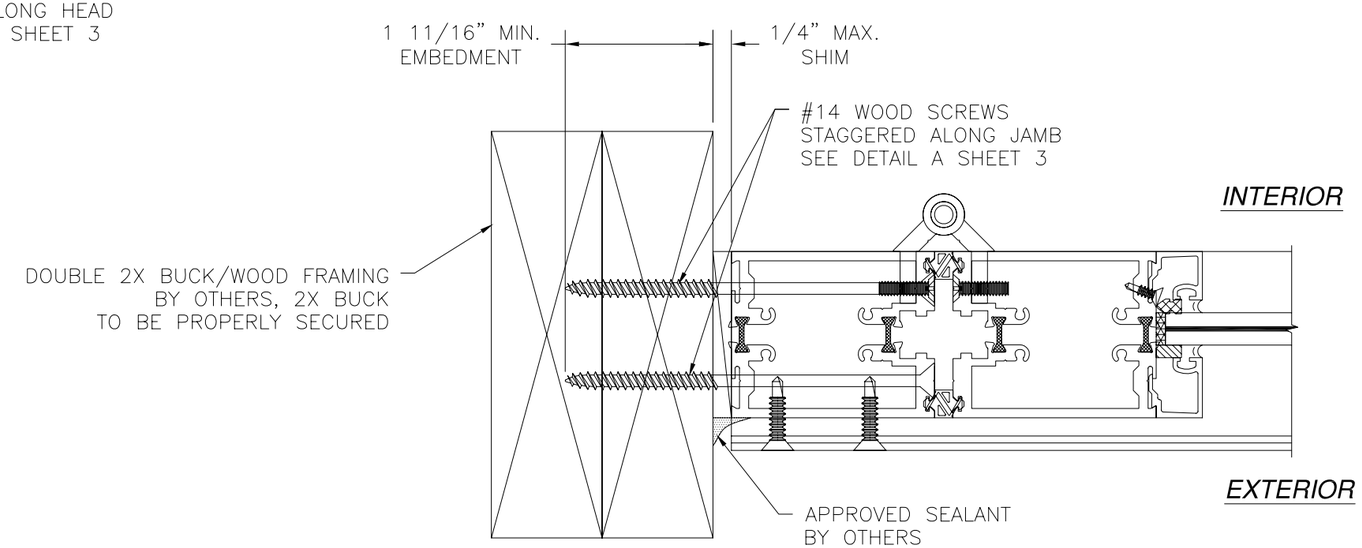


VERTICAL CROSS SECTION INFOLD

2X BUCK/WOOD FRAMING



HORIZONTAL CROSS SECTION INFOLD

2X BUCK/WOOD FRAMING

SOLAR INNOVATIONS, INC.
31 ROBERTS RD
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3300 INFOLD/OUTFOLD 3 X 10 ALUMINUM FOLDING GLASS WALL PANEL SYSTEM
INFOLD INSTALLATION DETAILS

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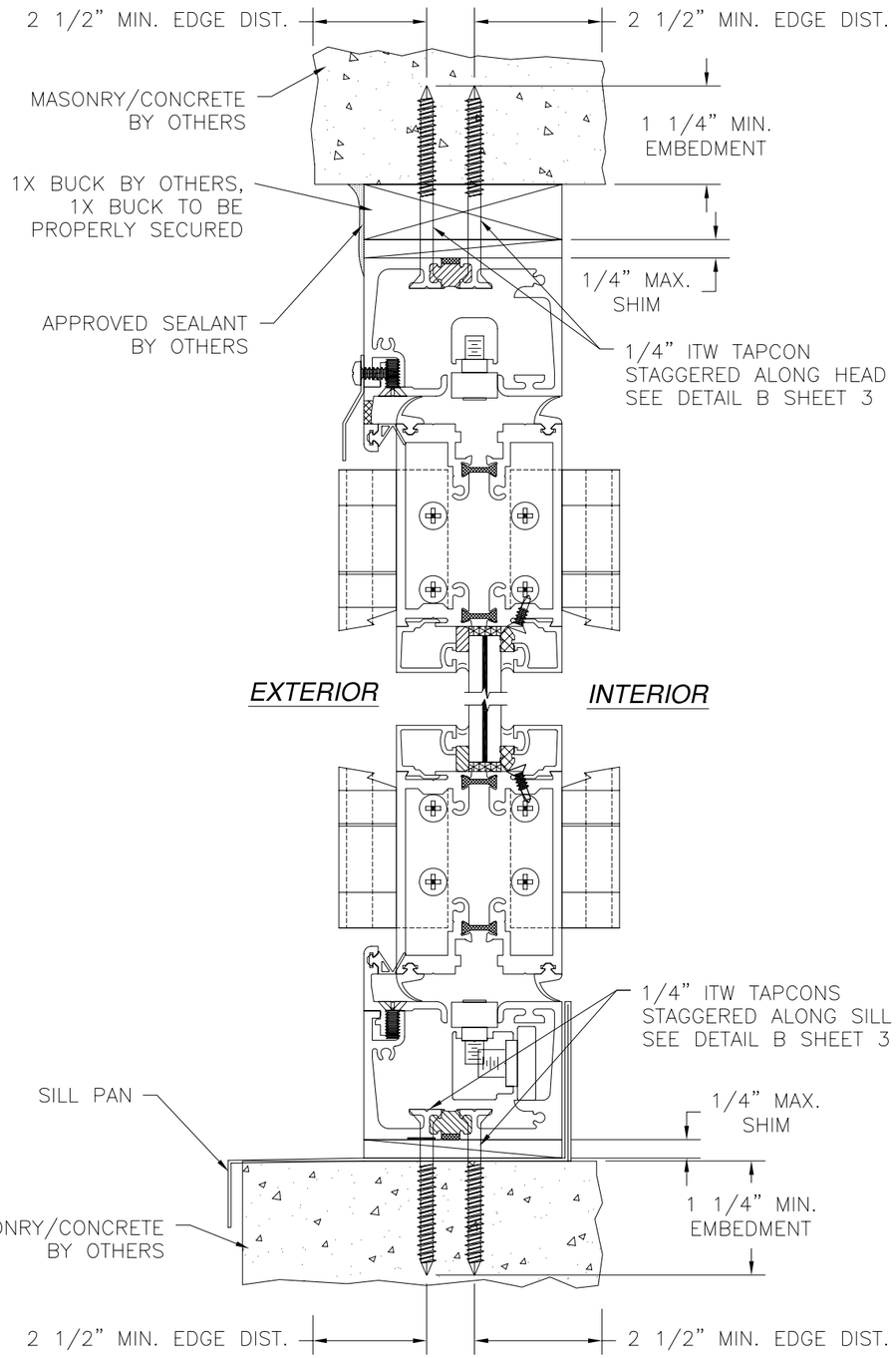
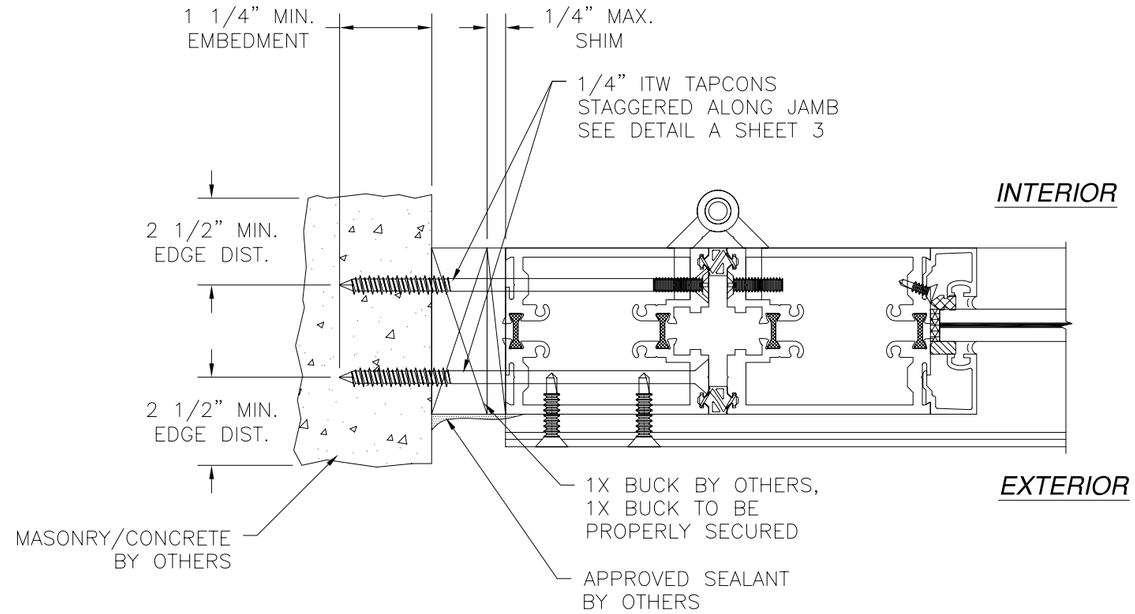


VERTICAL CROSS SECTION INFOLD

MASONRY/CONCRETE



HORIZONTAL CROSS SECTION INFOLD

2X BUCK/WOOD FRAMING

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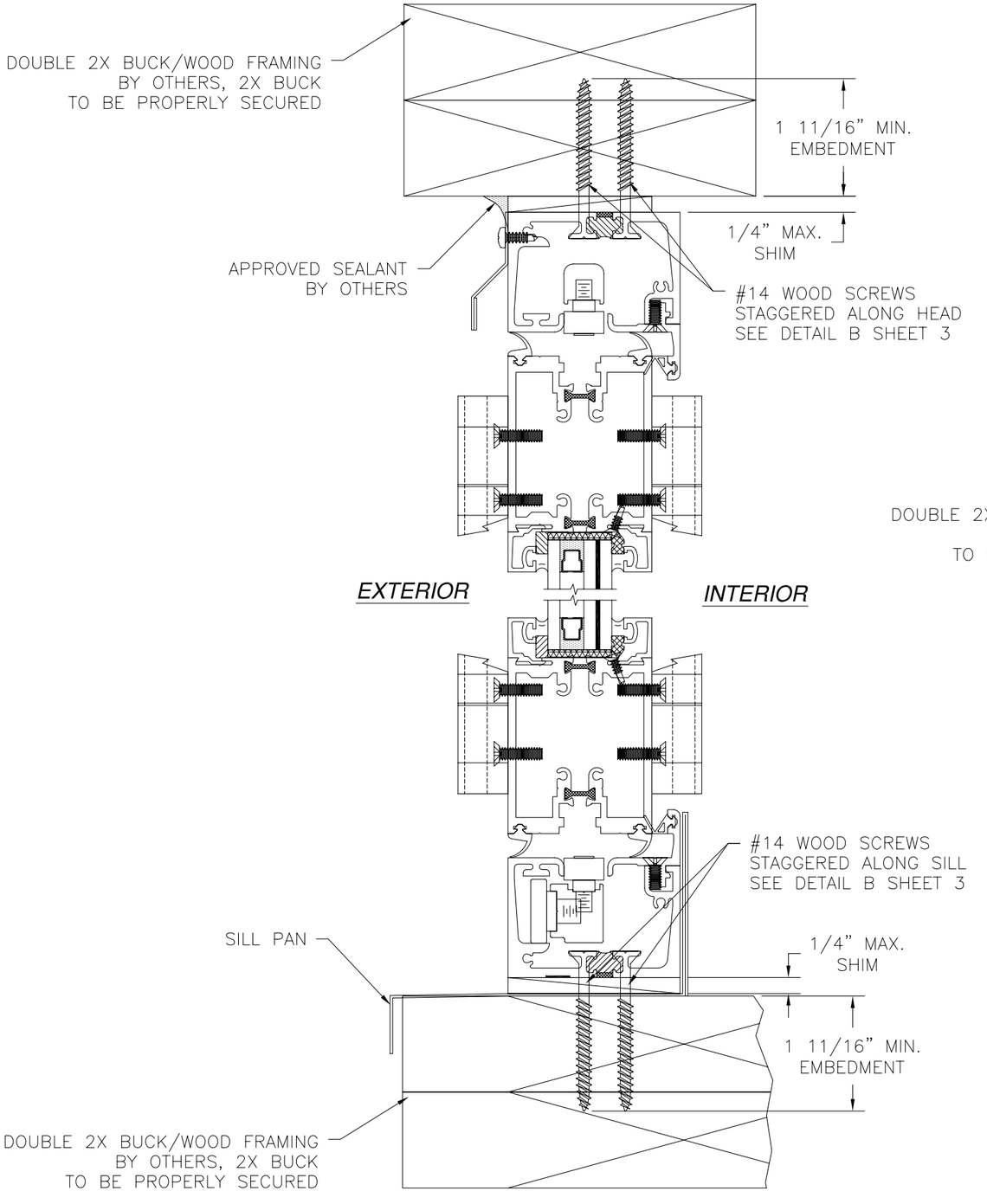
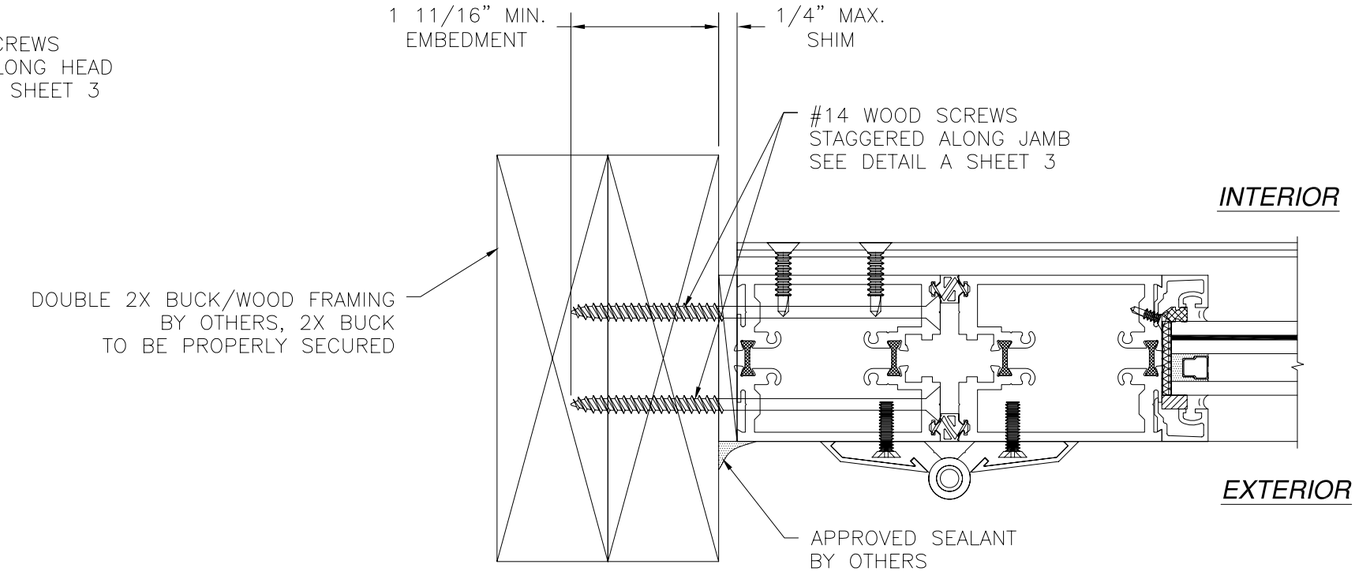


VERTICAL CROSS SECTION OUTFOLD

2X BUCK/WOOD FRAMING



HORIZONTAL CROSS SECTION OUTFOLD

2X BUCK/WOOD FRAMING

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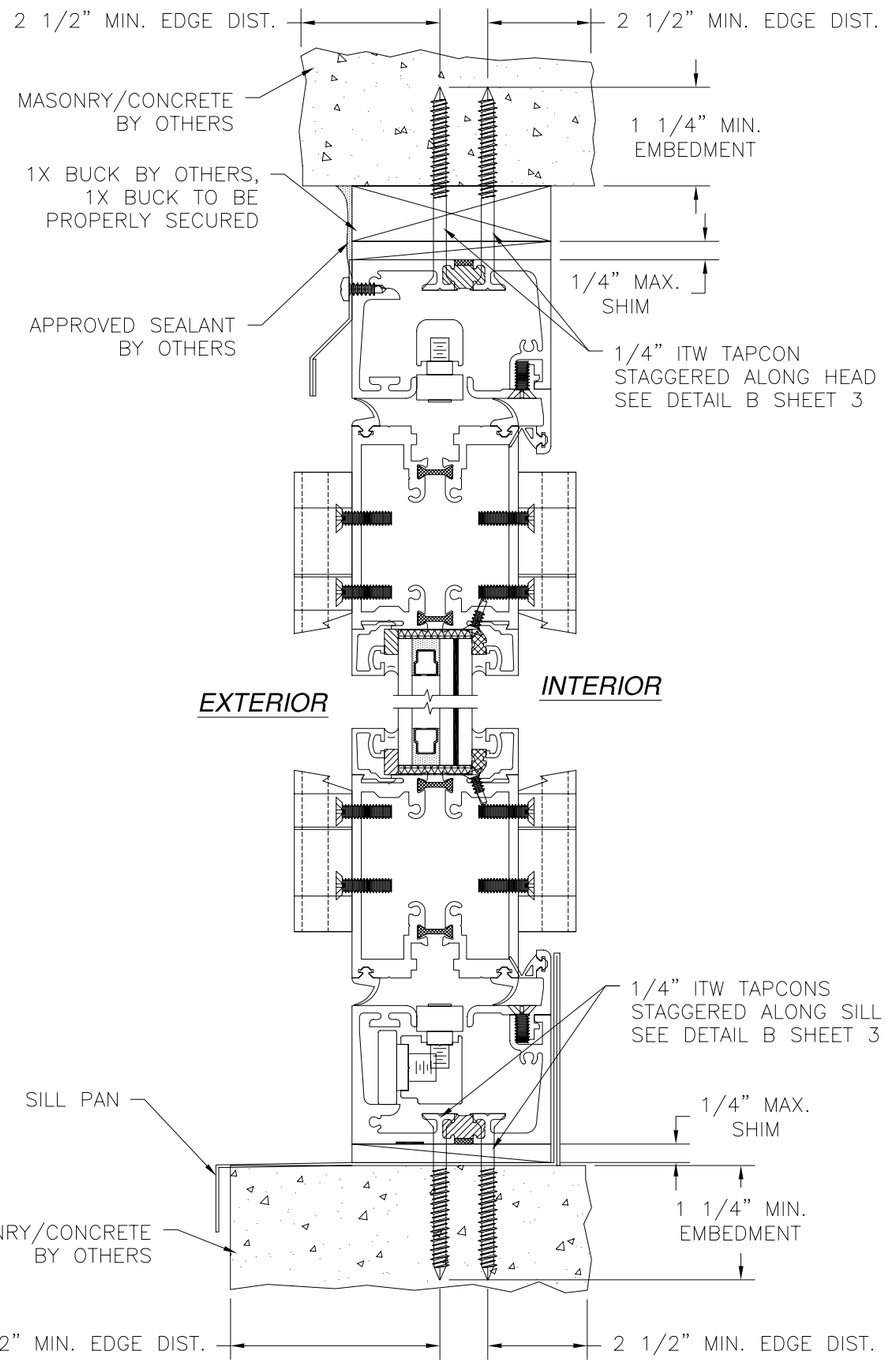
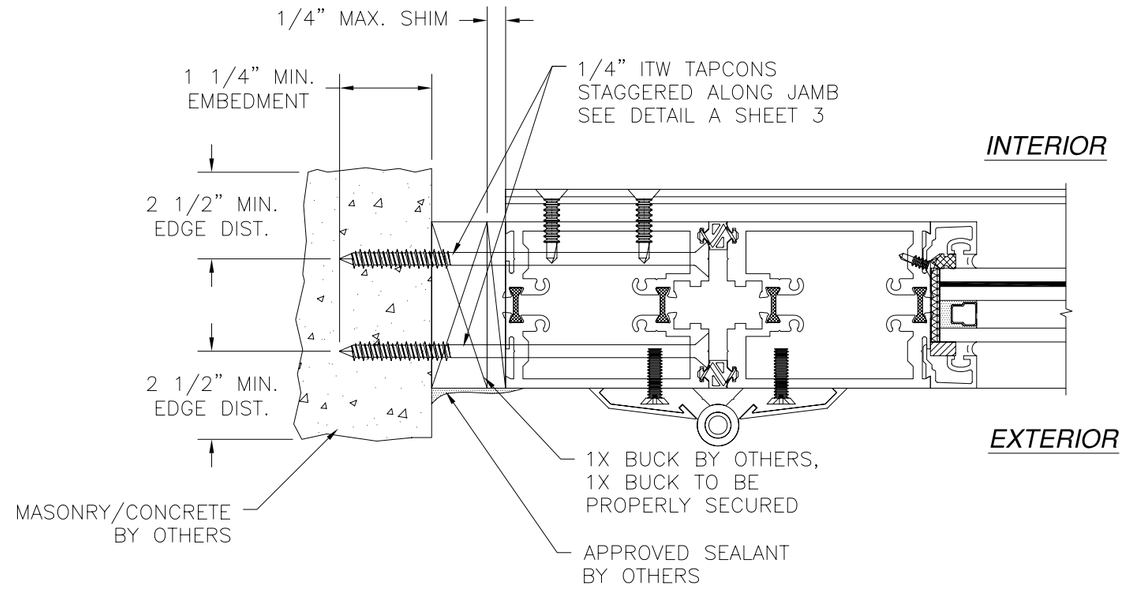


VERTICAL CROSS SECTION OUTFOLD

MASONRY/CONCRETE



HORIZONTAL CROSS SECTION OUTFOLD

2X BUCK/WOOD FRAMING

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