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NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND 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 OPTIONS.
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

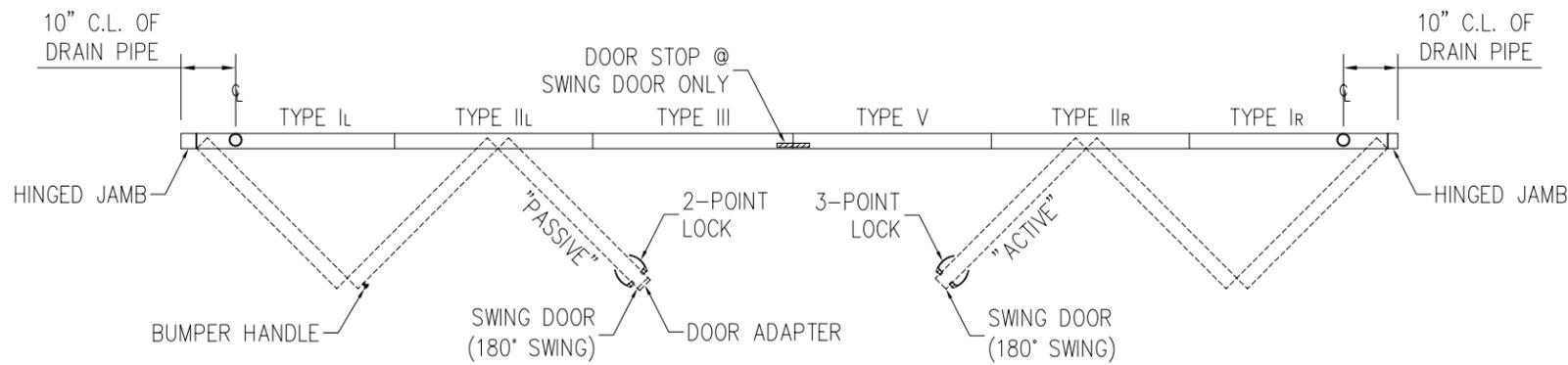
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SI 3350 OUTFOLD ALUMINUM REINFORCED FGW 3X8 PANEL NOTES		
DRAWN: R.L.	DWG NO. 08-01845	REV -
SCALE NTS	DATE 09/19/12	SHEET 1 OF 16

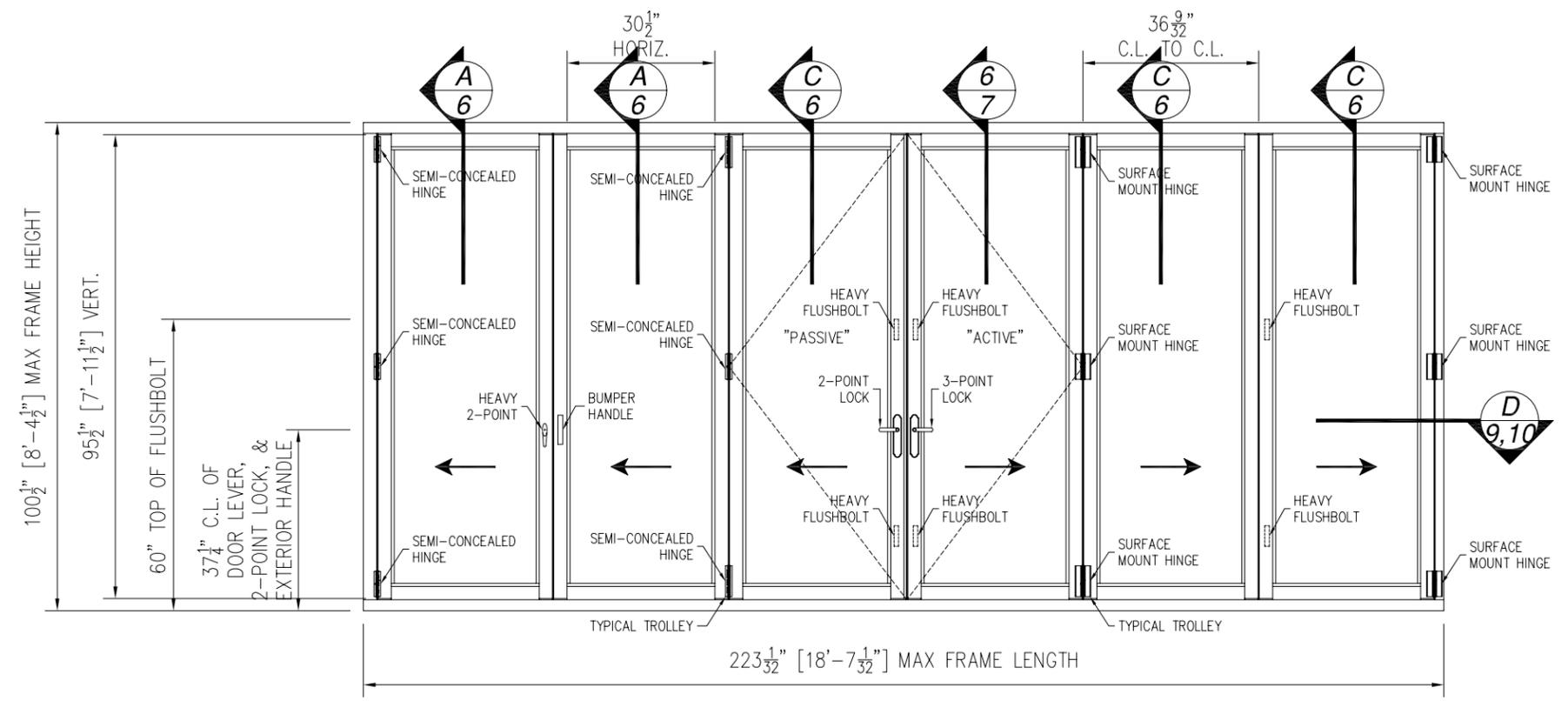
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DESIGN PRESSURE RATING	IMPACT RATING
+60.0/-80.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
WHERE WATER RESISTANCE IS REQUIRED

DESIGN PRESSURE RATING	IMPACT RATING
±80.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
WHERE WATER RESISTANCE IS NOT REQUIRED

DESIGN PRESSURE RATING	IMPACT RATING
+60.0/-65.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
WITH PANIC BAR OPTION

SI 3350 OUTFOLD ALUMINUM REINFORCED FGW

EXTERIOR VIEW

UNLIMITED CONFIGURATIONS ARE APPROVED

AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USES VERTICAL CONDITIONS AS SHOWN.

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.	HEAVY FLUSH BOLTS MD000442-00-XX BY SOLAR INNOVATIONS
E.	SURFACE MOUNT HINGE BY SOLAR INNOVATIONS
F.	PANIC BAR BY SOLAR INNOVATIONS (OPTIONAL)

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31 ROBERTS RD
PINE GROVE, PA 17963

SI 3350 OUTFOLD ALUMINUM REINFORCED
FGW 3X8 PANEL
ELEVATION

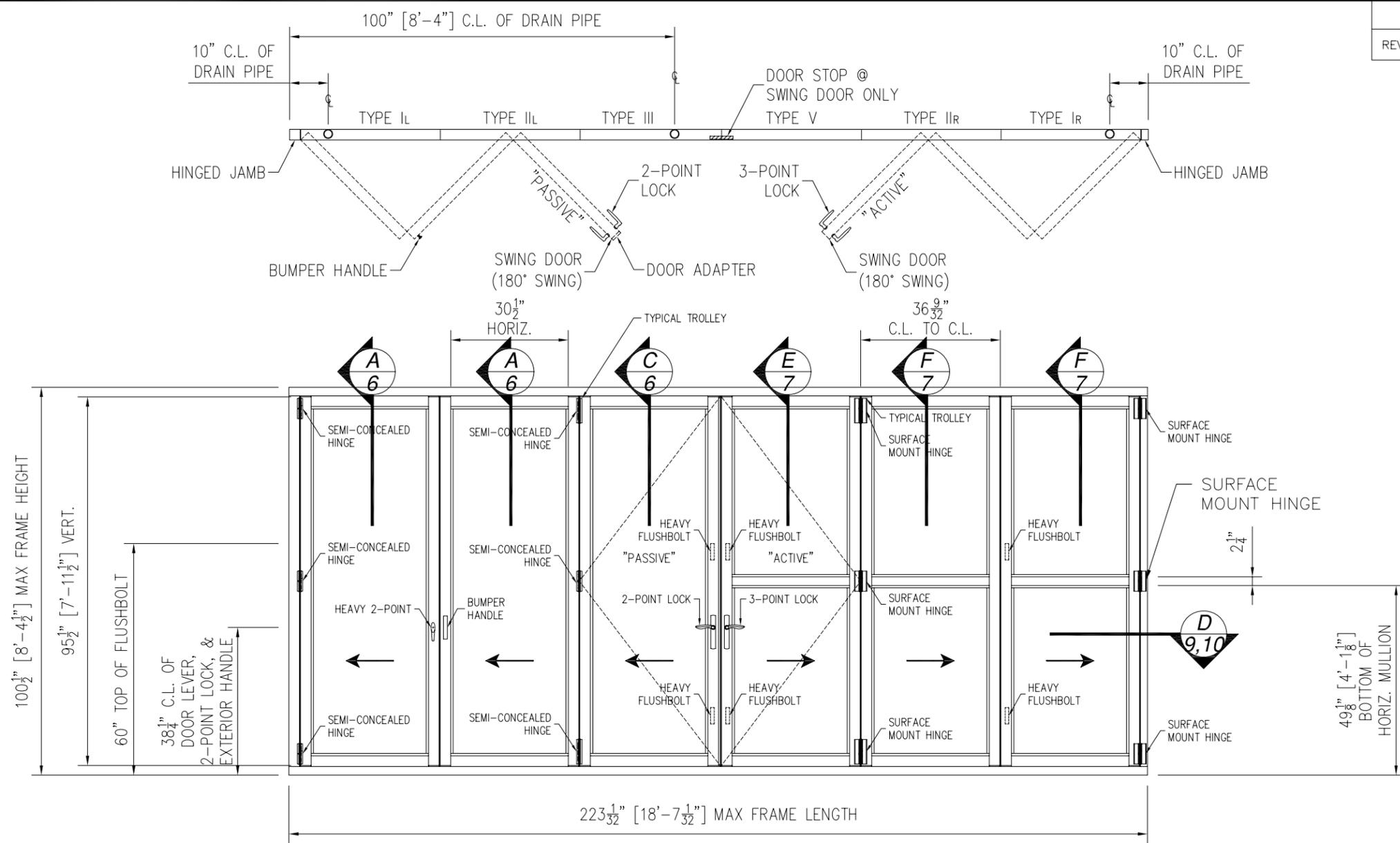
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+60.0/-65.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
WITH PANIC BAR OPTION

SI 3350 OUTFOLD ALUMINUM REINFORCED FGW

EXTERIOR VIEW

UNLIMITED CONFIGURATIONS ARE APPROVED

AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USES VERTICAL CONDITIONS AS SHOWN.

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SI 3350 OUTFOLD ALUMINUM REINFORCED
FGW 3X8 PANEL
ELEVATION

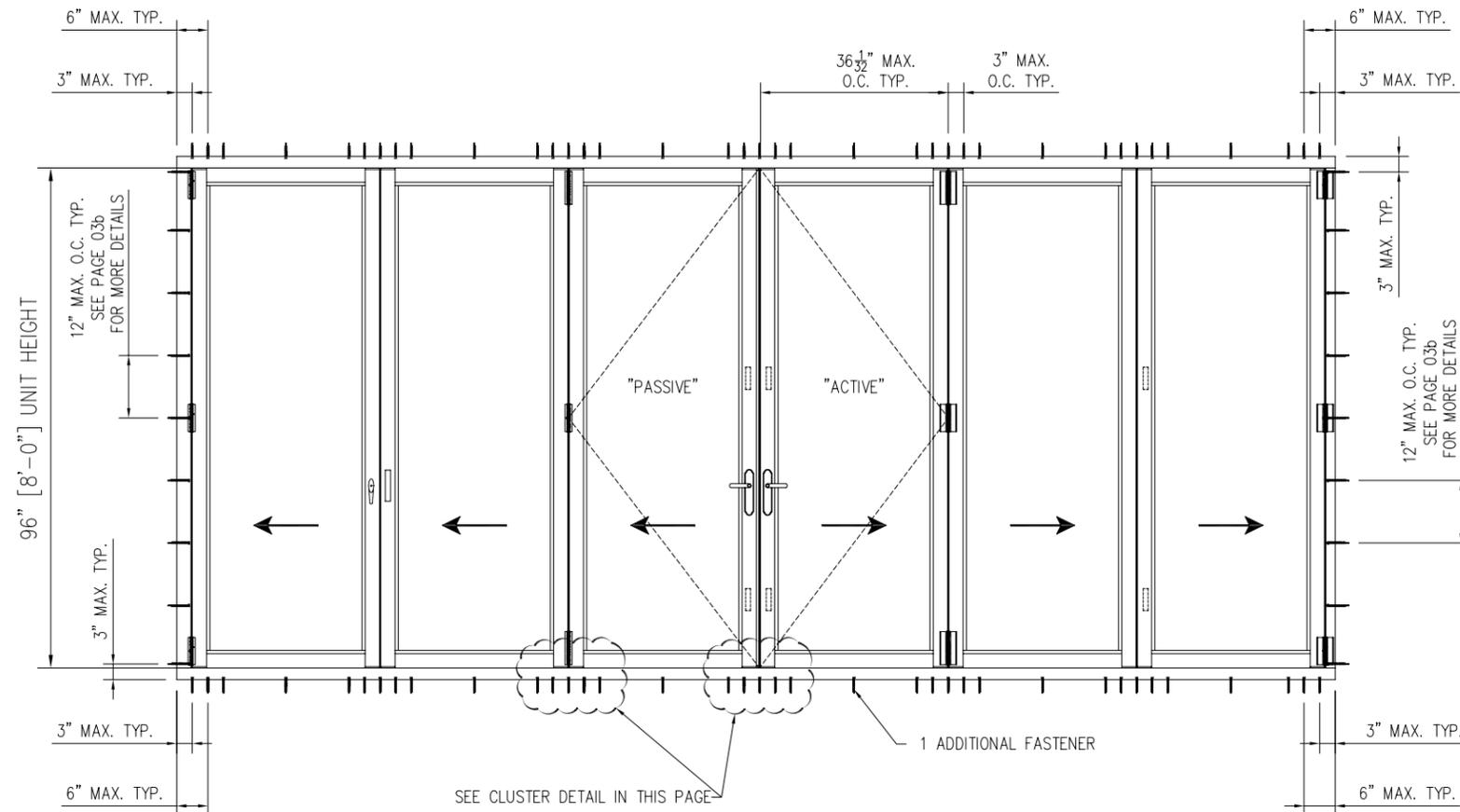
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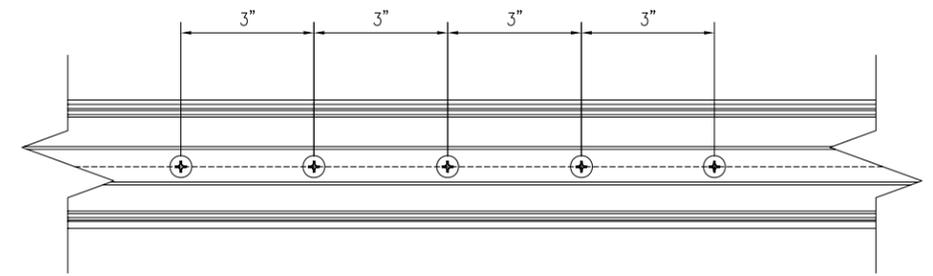


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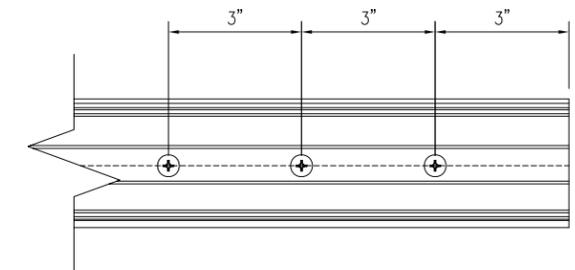
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ANCHOR LAYOUT
APPLICABLE TO ALL CONFIGURATIONS.



SILL AND HEAD CLUSTER DETAIL



SILL AND HEAD END DETAIL

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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	H-12498-A	DUAL WHEEL HEAD/SILL ASSY	KEYMARK	ALUMINUM 6063-T5
2	S45004	FRAME	KEYMARK	ALUMINUM 6063-T5
3	S347112	FRAME CAP	KEYMARK	ALUMINUM 6063-T5
4	H07559	FRAME LUG	KEYMARK	ALUMINUM 6063-T5
5	NOT USED			
6	47086	HANDLE - LOW PROFILE	KEYMARK	ALUMINUM 6063-T5
7		HANDLE - RECESSED/FLUSH	KEYMARK	ALUMINUM 6063-T5
8	34713	GLASS STOP 1"	KEYMARK	ALUMINUM 6063-T5
9	34715	GLASS STOP 9/16"	KEYMARK	ALUMINUM 6063-T5
10		JAMB REINFORCEMENT	SOLAR	STEEL
11	H10686	HINGE EXTENSION	KEYMARK	ALUMINUM 6063-T5
12	S50311	TROLLY BODY	KEYMARK	ALUMINUM 6063-T6
13	34717	IDLER BODY	KEYMARK	ALUMINUM 6063-T5
14	H07606	HINGE	KEYMARK	ALUMINUM 6063-T5
15	S34841	HINGE COVER	KEYMARK	ALUMINUM 6063-T5
16	H07562	HINGE BARREL	KEYMARK	ALUMINUM 6063-T5
17		HINGE SEMI CONCEALED	KEYMARK	ALUMINUM 6063-T5
18	S47543	FRAME LOW PROFILE	KEYMARK	ALUMINUM 6063-T5
19	4498-02-00	MULTIFIN GASKET	EPG	EPDM 70 SHORE A
20		#10-32 X 1/2" FH SS SCREW		
21		#6 X 1/2" FH SELF DRILLING SCREW		
22		1/8" SETTING BLOCK		
23		FLASHING		
24		#8 X 1/2" PH SELF DRILLING SCREW		
25		TROLLY COVER	KEYMARK	ALUMINUM 6063-T5
26		#8-32 X 3/8" FH SMS		
27		3/4" ARROW SHIM		
28		1/8" HARD SHIM		
29		SIKA 552	SIKA	
30		TROLLY ASSY BOTTOM LOAD		ALUMINUM 6063-T5
31	34720	DOOR STOP	KEYMARK	ALUMINUM 6063-T5

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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
32		#10-24 X 1/2" FH SMS		
33		#12 X 1 FH SELF DRILLING SCREW		
34	GA000247-00-02	GASKET		
35		2 POINT LOCK		
36		#10-32 X 1" FH SMS		
37	49050	SLIDE-IN DOOR STOP	KEYMARK	ALUMINUM 6063-T5
38	GA000022-00-02	BULB GASKET		
39	40921	DOOR ADAPTER	KEYMARK	ALUMINUM 6063-T5
40		FLUSH BOLT		
41		DOOR SWEEP GASKET		
42		DOOR LEVER "MILAN" 2POINT LOCK		
43	44793	MULLION	KEYMARK	ALUMINUM 6063-T5
44		SURFACE MOUNT HINGE	KEYMARK	ALUMINUM 6063-T5
45		#10-32 X 3/8 FH SMS		
46		DOOR LEVER "TORONTO" 2 POINT LOCK		
47		REINFORCEMENT	KEYMARK	ALUMINUM 6063-T5

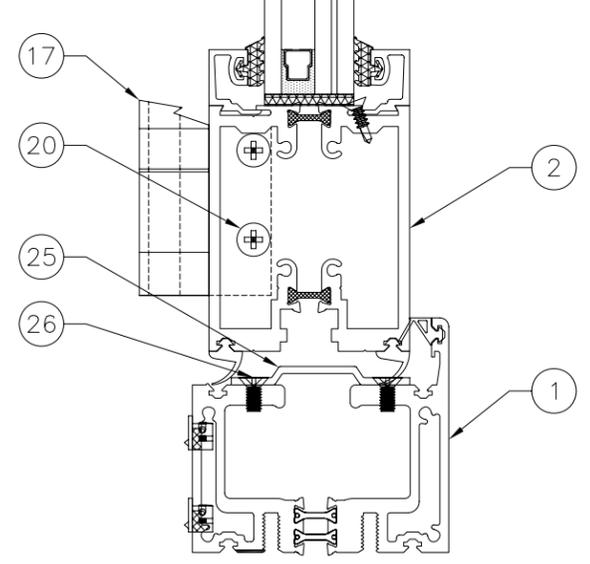
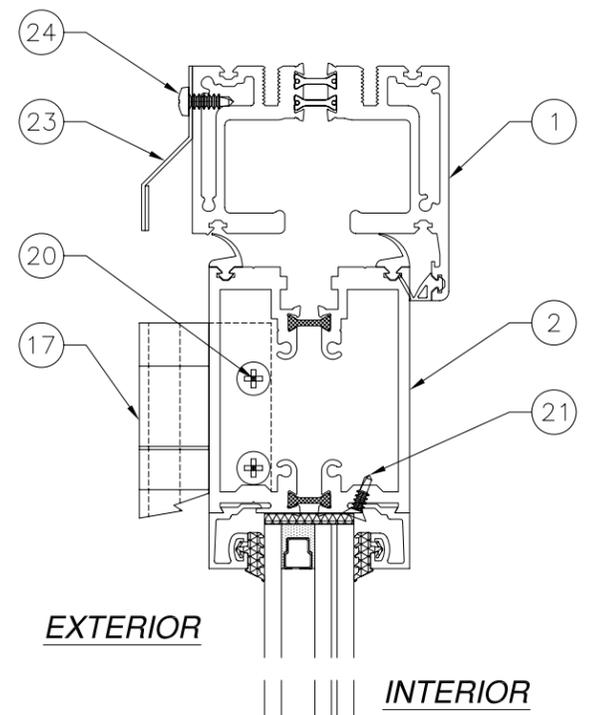
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SCALE NTS	DATE 09/19/12	SHEET 5 OF 16

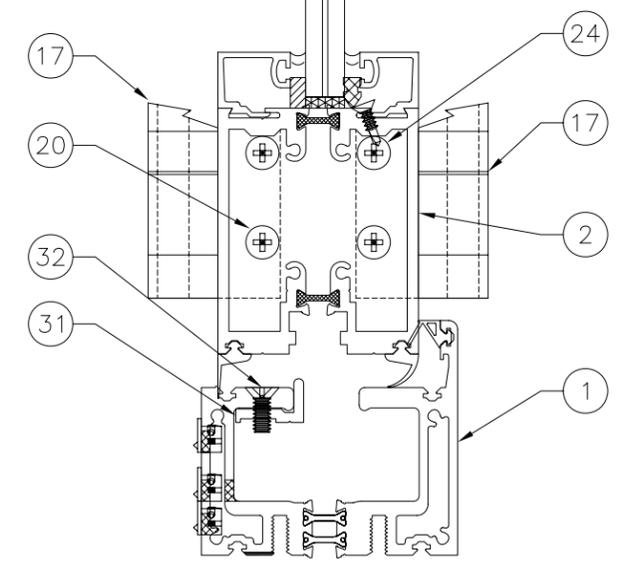
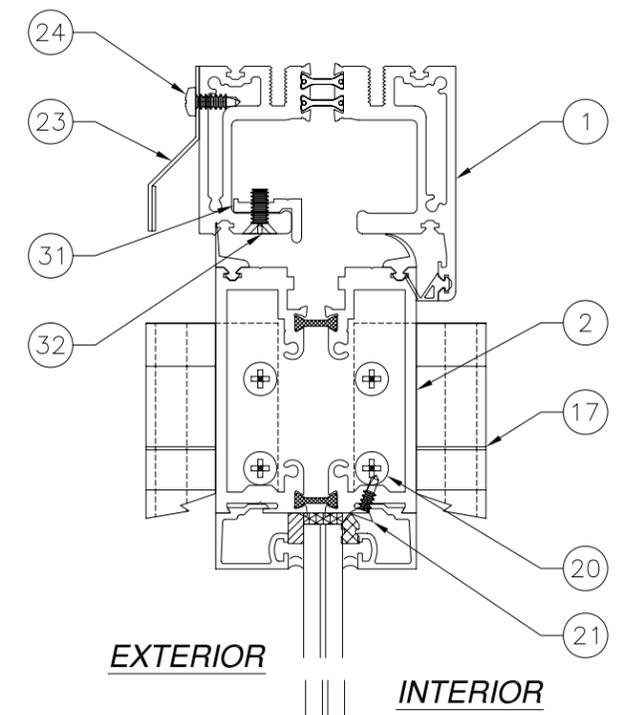
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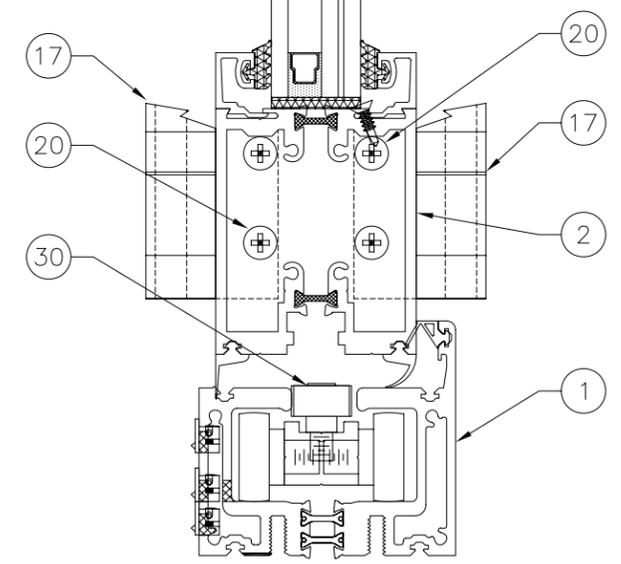
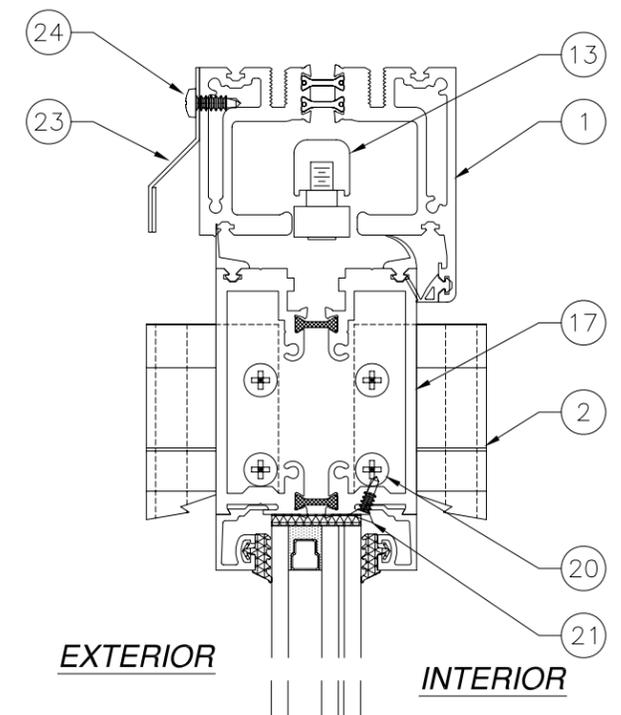
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A
6 VERTICAL CROSS SECTION
OUTFOLD



B
6 VERTICAL CROSS SECTION
OUTFOLD



C
6 VERTICAL CROSS SECTION
OUTFOLD BOTTOM LOAD

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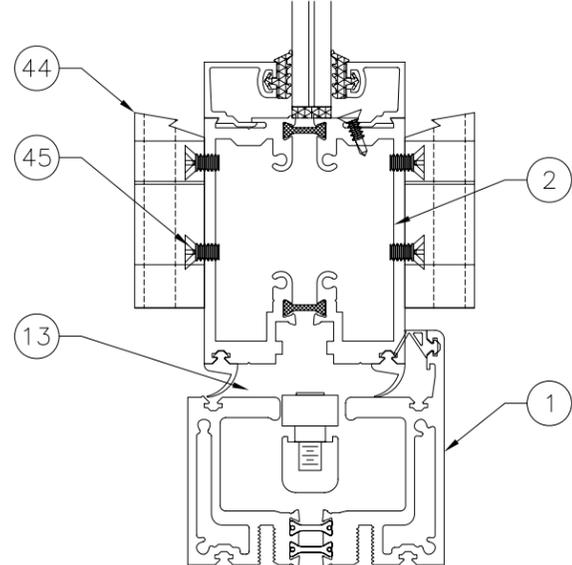
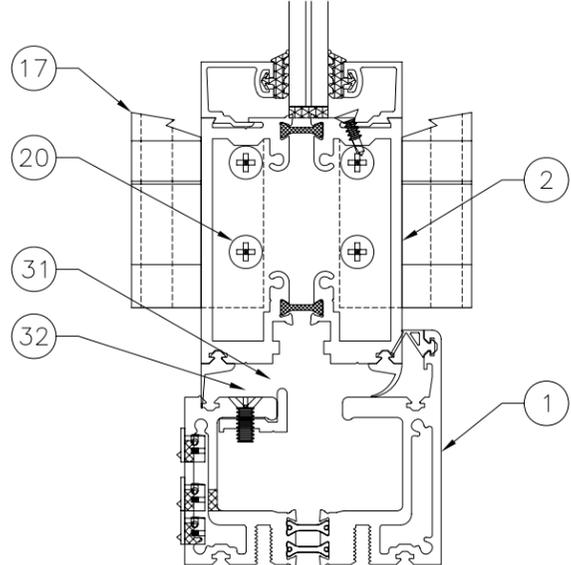
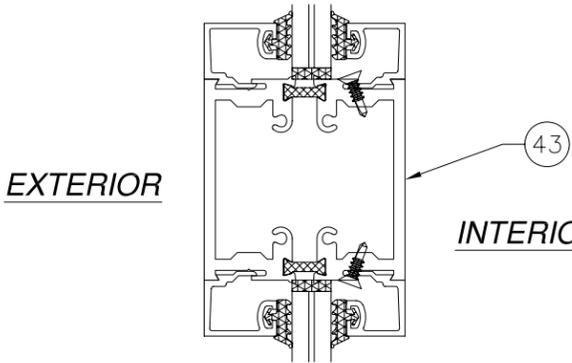
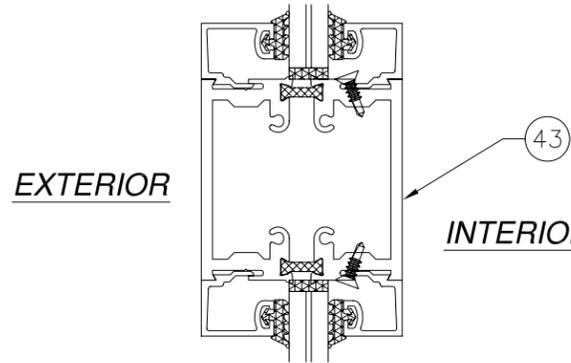
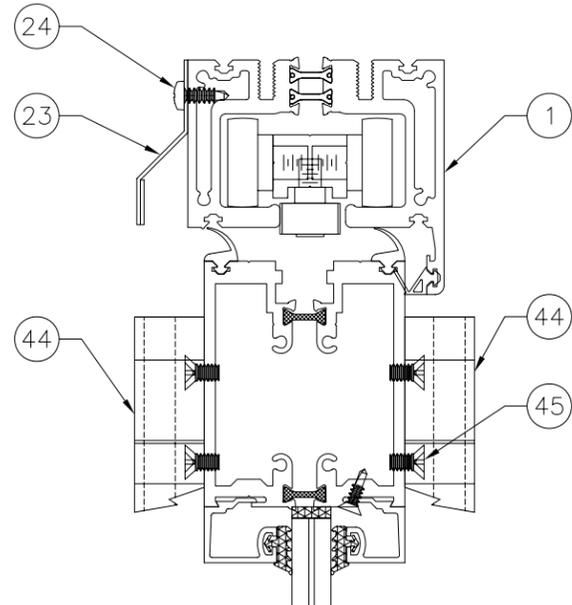
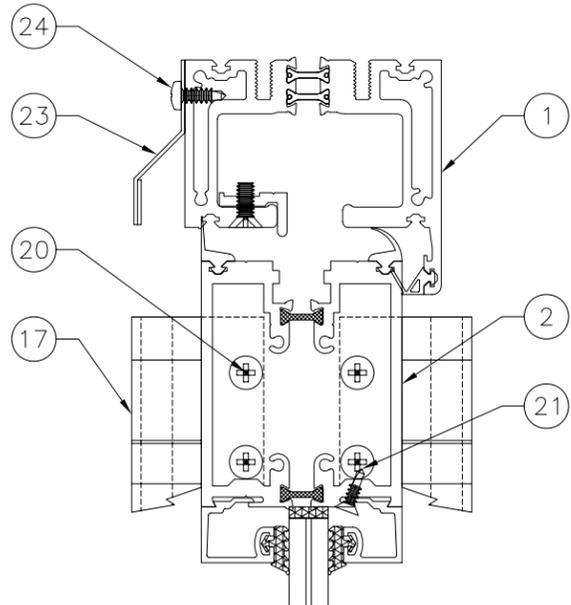
SI 3350 OUTFOLD ALUMINUM REINFORCED
FGW 3X8 PANEL
VERTICAL CROSS SECTIONS

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E
7 VERTICAL CROSS SECTION
OUTFOLD

F
7 VERTICAL CROSS SECTION
OUTFOLD TOP LOAD

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FGW 3X8 PANEL
VERTICAL CROSS SECTIONS**

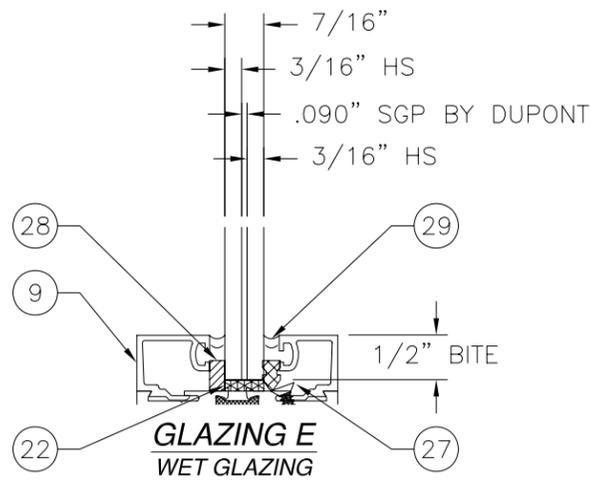
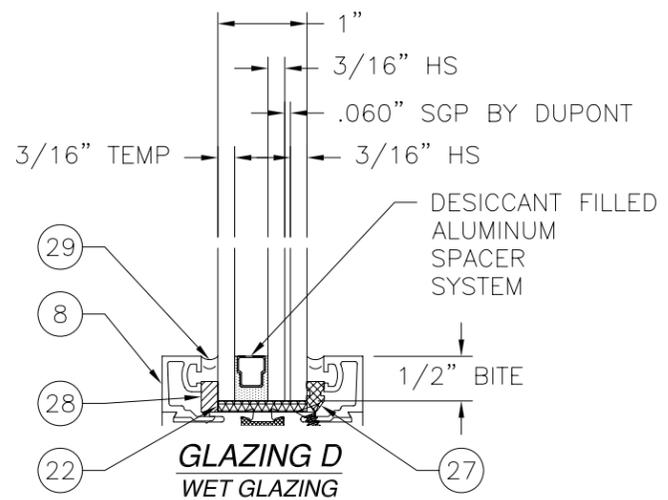
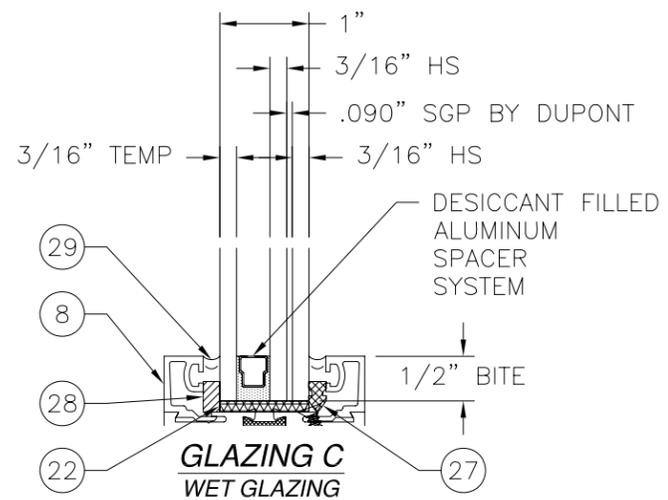
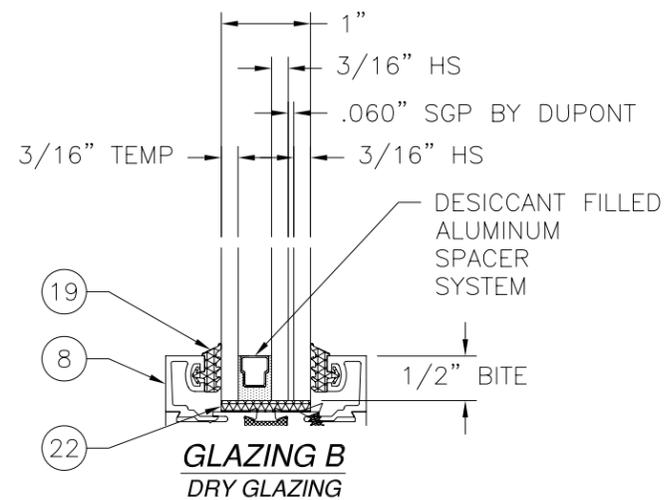
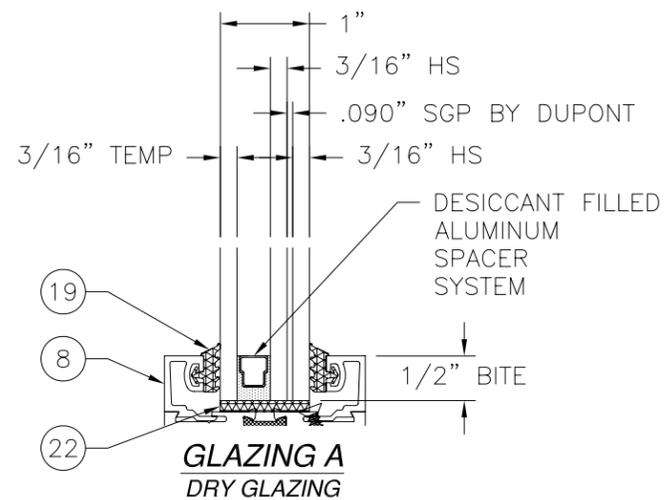
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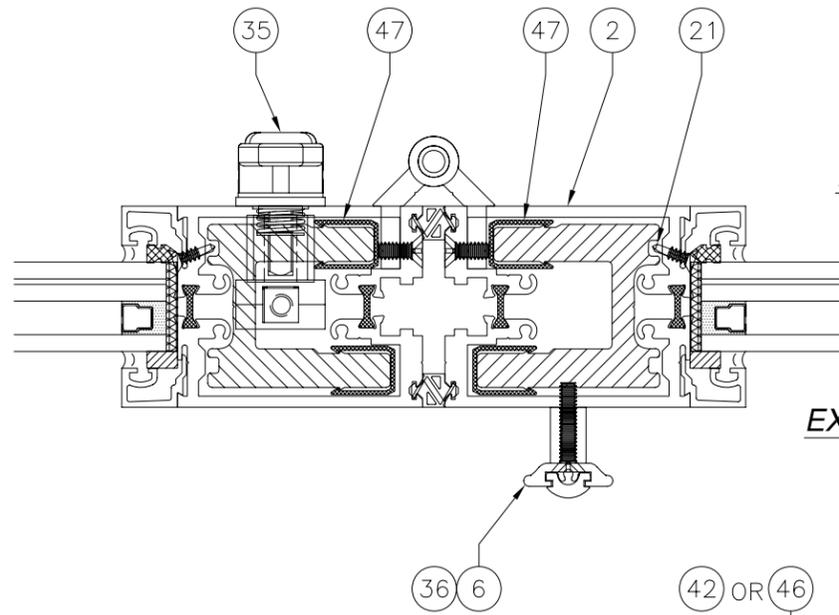
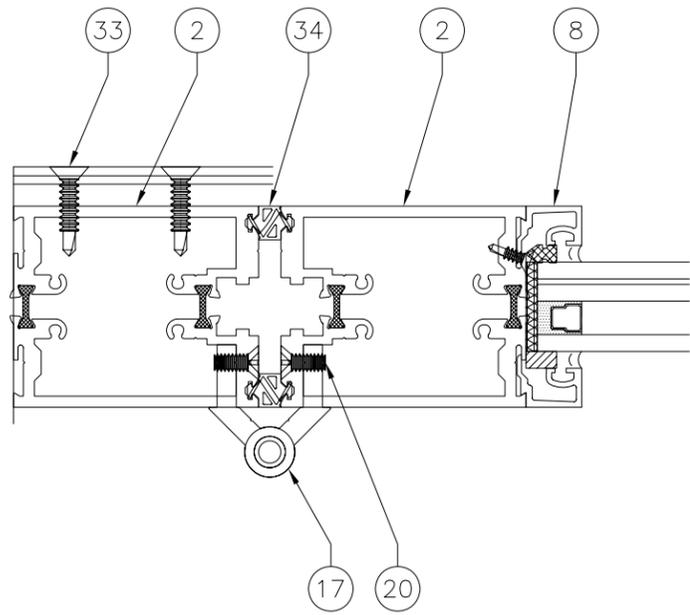
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FGW 3X8 PANEL
HORIZONTAL CROSS SECTION & GLAZING DETAILS**

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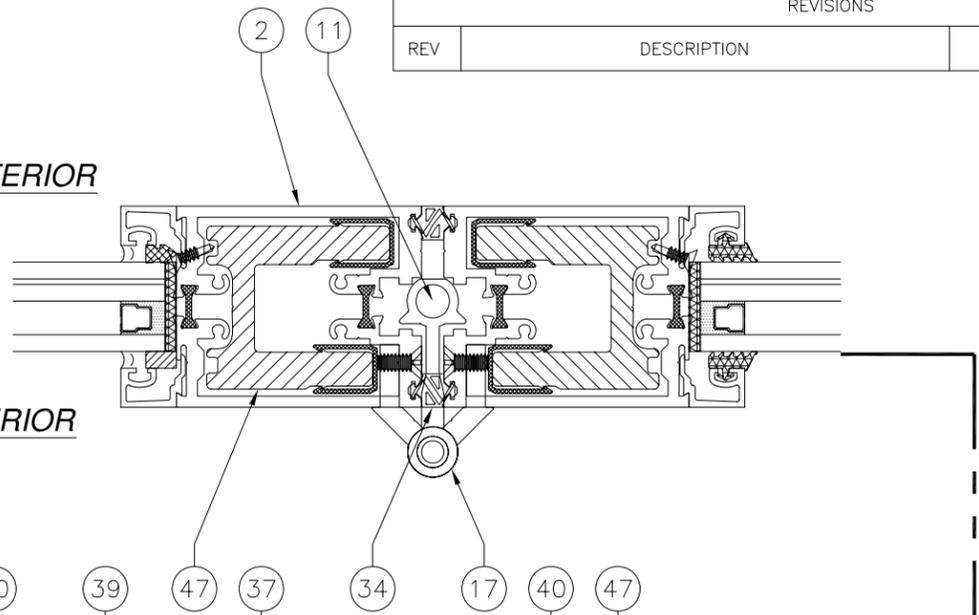


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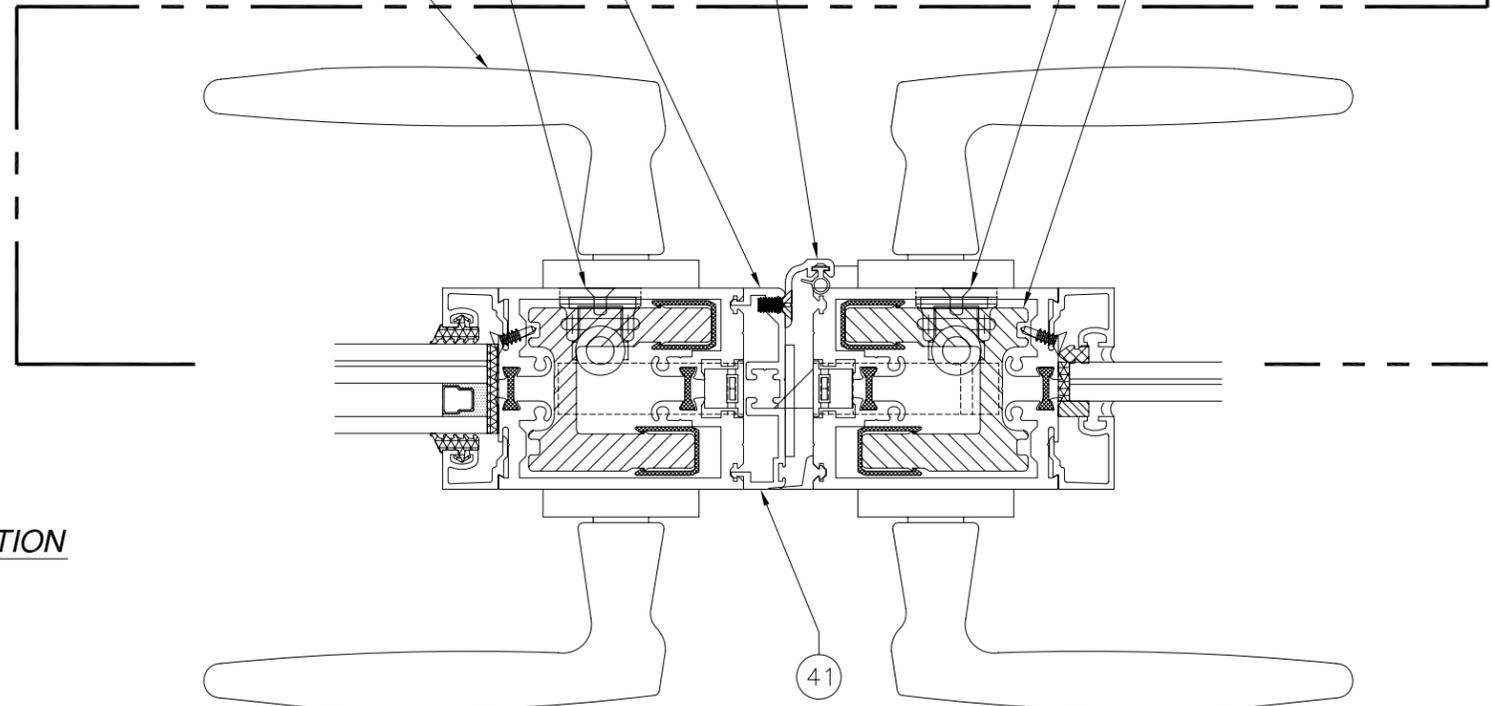


INTERIOR

EXTERIOR



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CONTINUED
IN SHEET 10

$\frac{D}{9}$ HORIZONTAL CROSS SECTION

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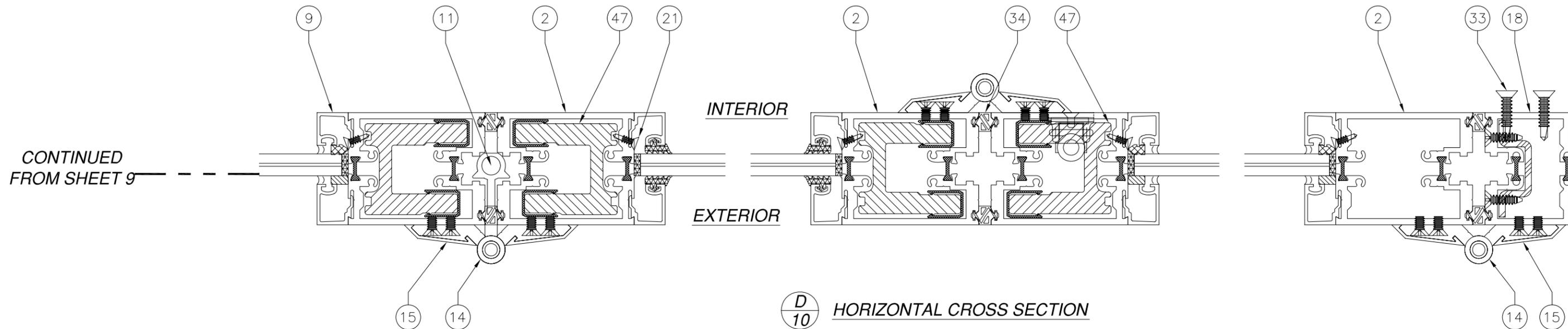
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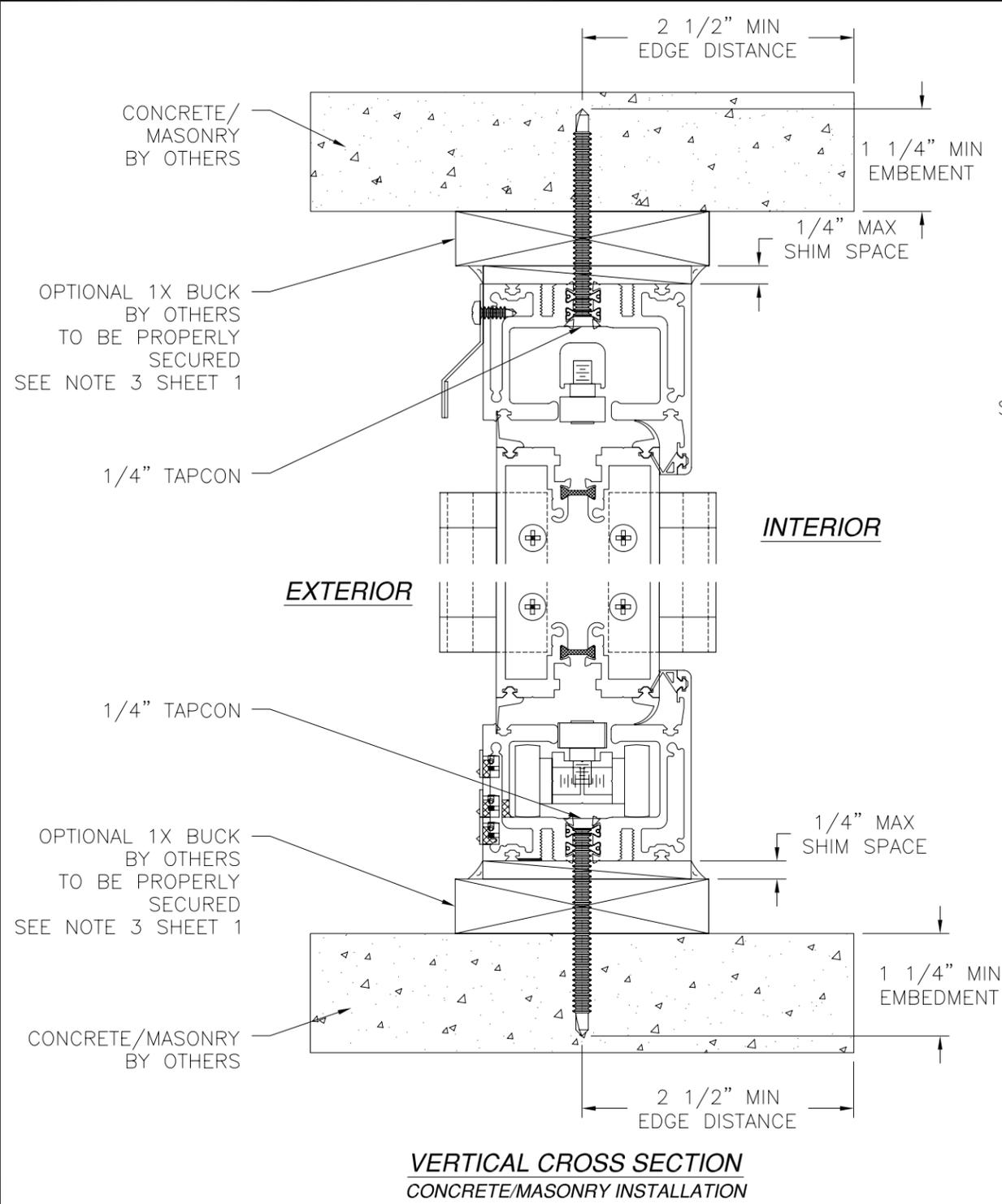
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SI 3350 OUTFOLD ALUMINUM REINFORCED FGW 3X8 PANEL HORIZONTAL CROSS SECTION & GLAZING DETAILS		
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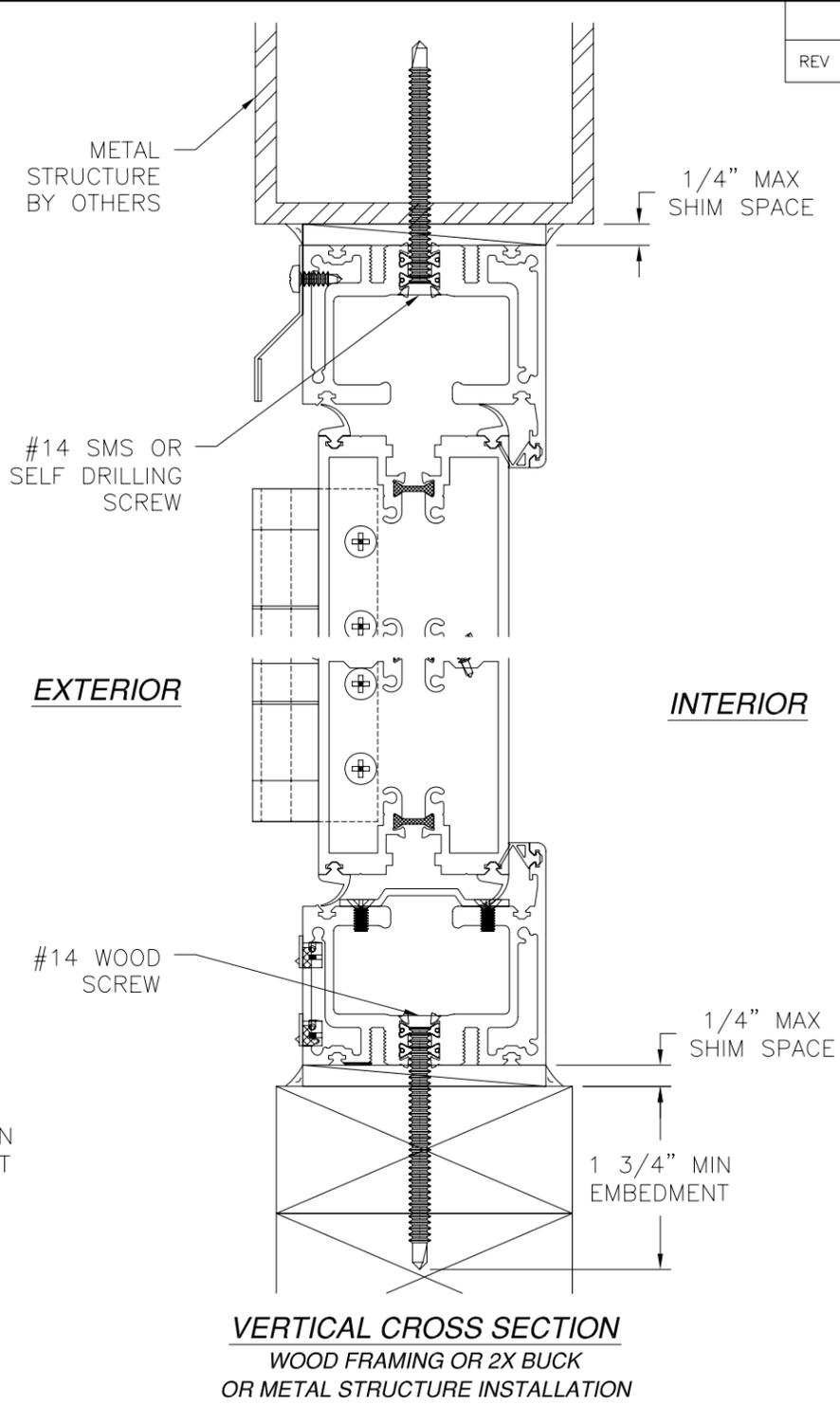


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



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

NOTES:
INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.

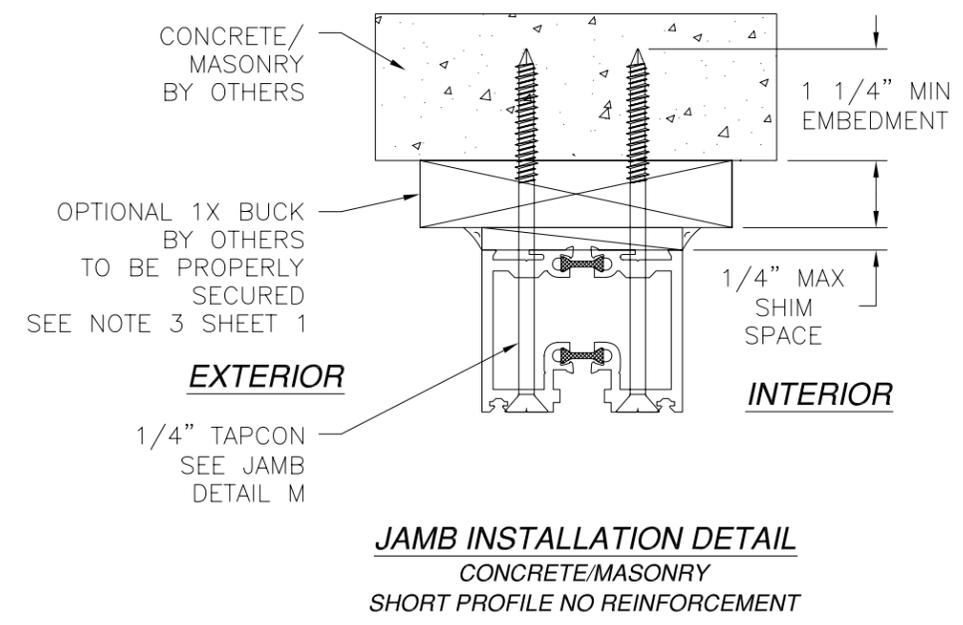
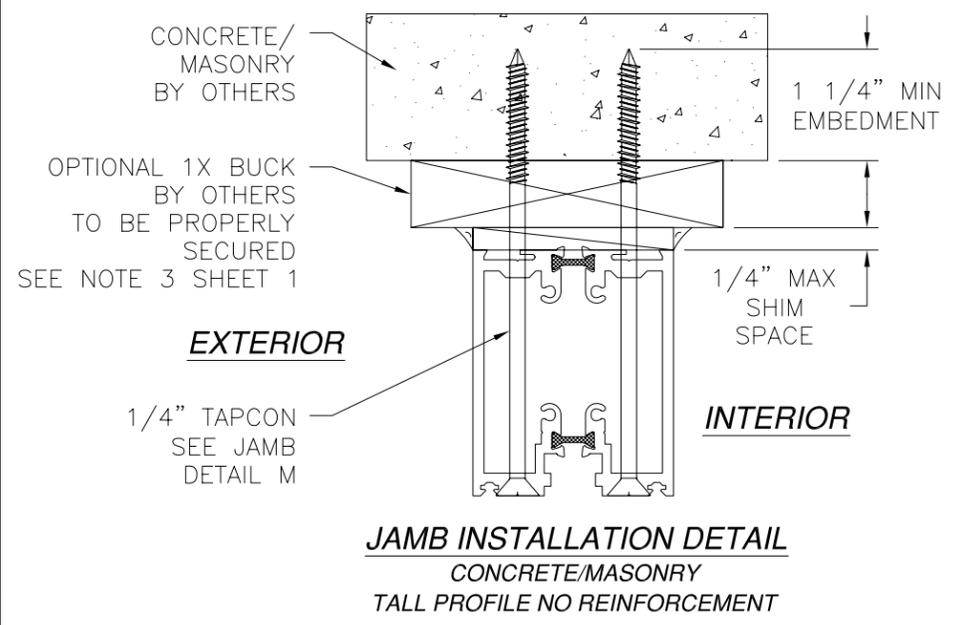
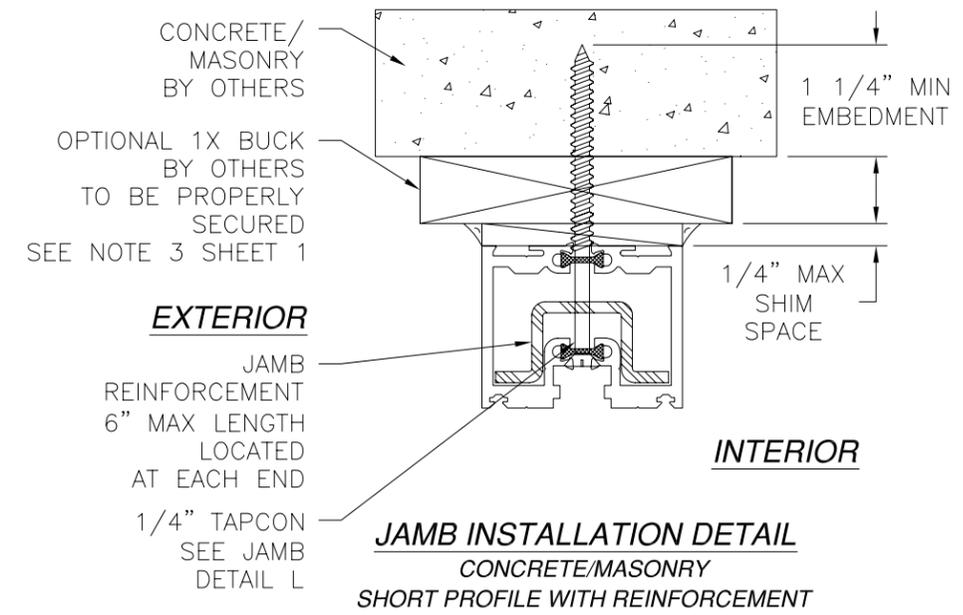
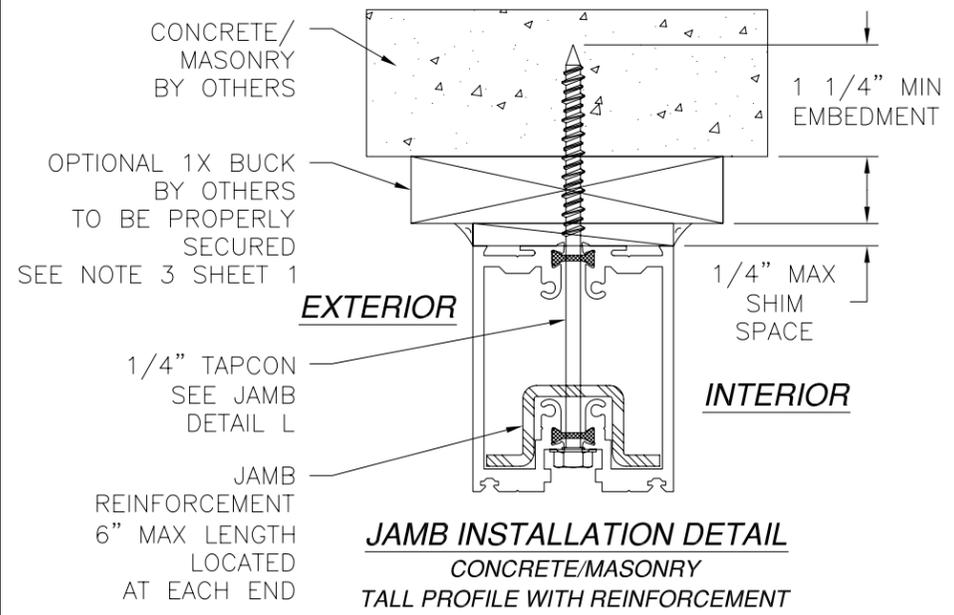
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SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SI 3350 OUTFOLD ALUMINUM REINFORCED FGW 3X8 PANEL INSTALLATION INSTRUCTIONS		
DRAWN: R.L.	DWG NO. 08-01845	REV -
SCALE NTS	DATE 09/19/12	SHEET 11 OF 16

Luis R. Lomas P.E.
TX No.: 101889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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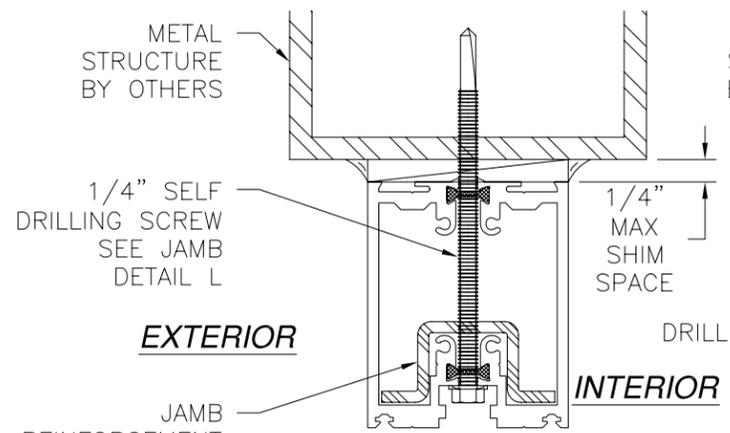
**SI 3350 OUTFOLD ALUMINUM REINFORCED
FGW 3X8 PANEL
INSTALLATION INSTRUCTIONS**

DRAWN: R.L.	DWG NO. 08-01845	REV -
SCALE NTS	DATE 09/19/12	SHEET 12 OF 16

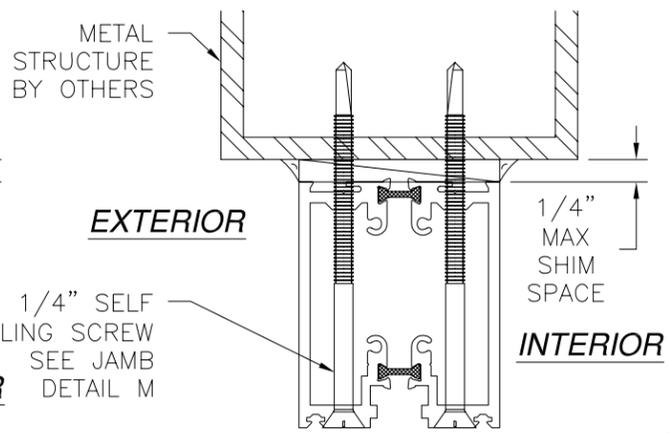
SIGNED: 10/03/2012

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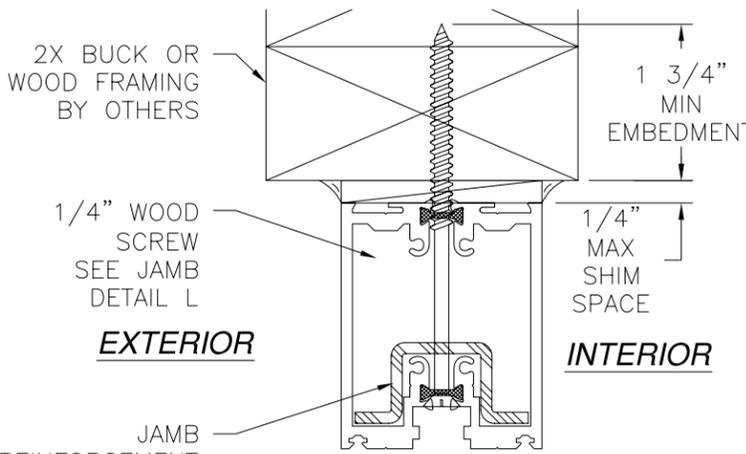
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



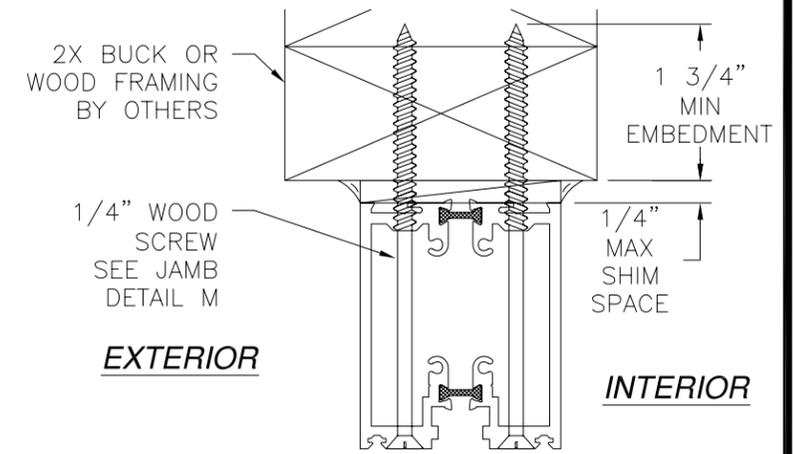
JAMB INSTALLATION DETAIL
METAL STRUCTURE
TALL PROFILE WITH REINFORCEMENT



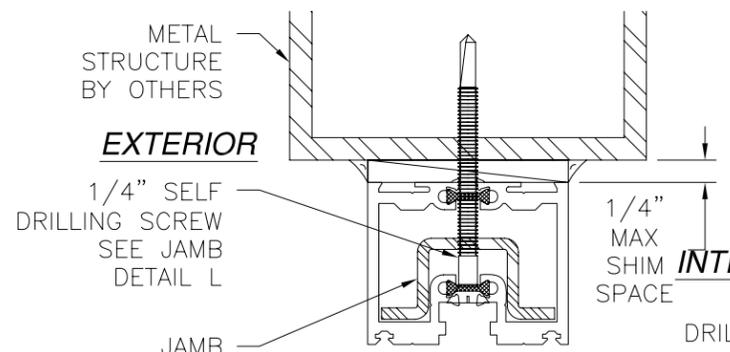
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TALL PROFILE NO REINFORCEMENT



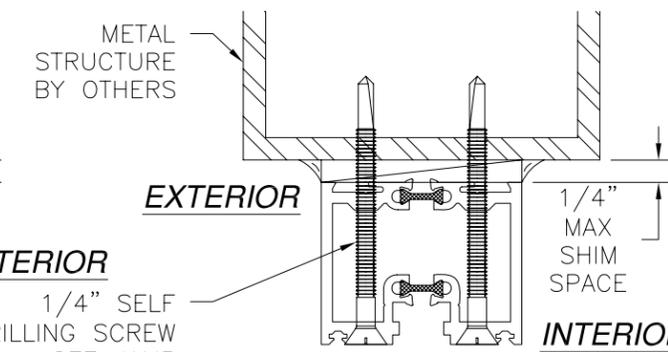
JAMB INSTALLATION DETAIL
2X BUCK OR WOOD FRAMING
TALL PROFILE WITH REINFORCEMENT



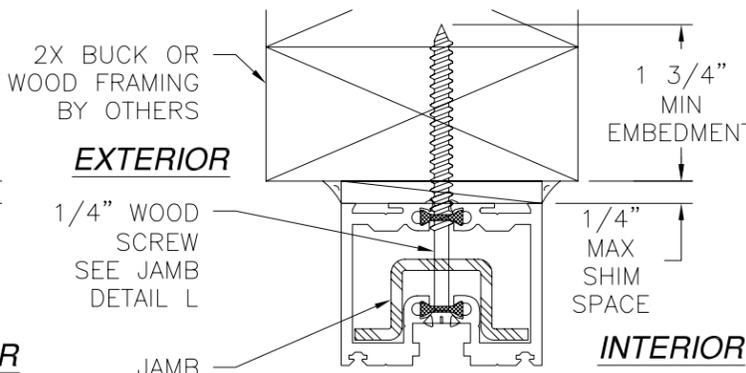
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2X BUCK OR WOOD FRAMING
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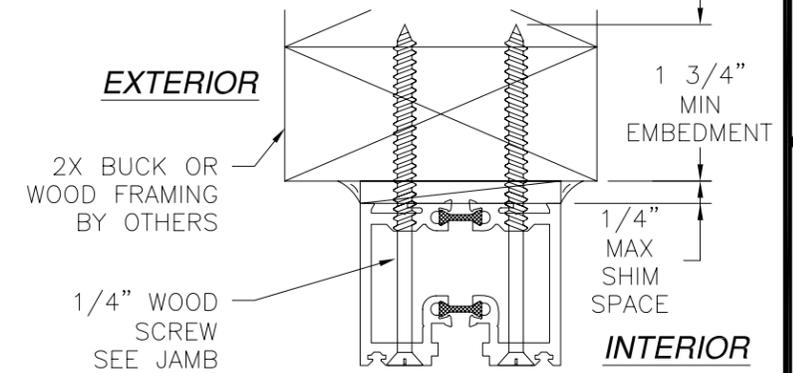
JAMB INSTALLATION DETAIL
METAL STRUCTURE
TALL PROFILE WITH REINFORCEMENT



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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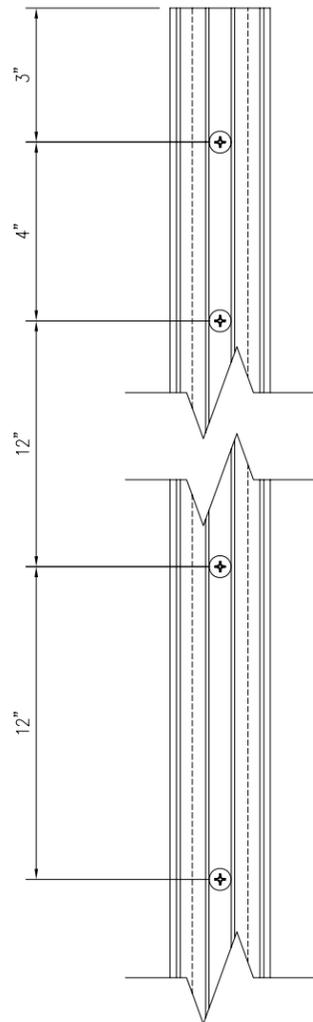
**SI 3350 OUTFOLD ALUMINUM REINFORCED
FGW 3X8 PANEL
INSTALLATION INSTRUCTIONS**

DRAWN: R.L.	DWG NO. 08-01845	REV -
SCALE NTS	DATE 09/19/12	SHEET 13 OF 16

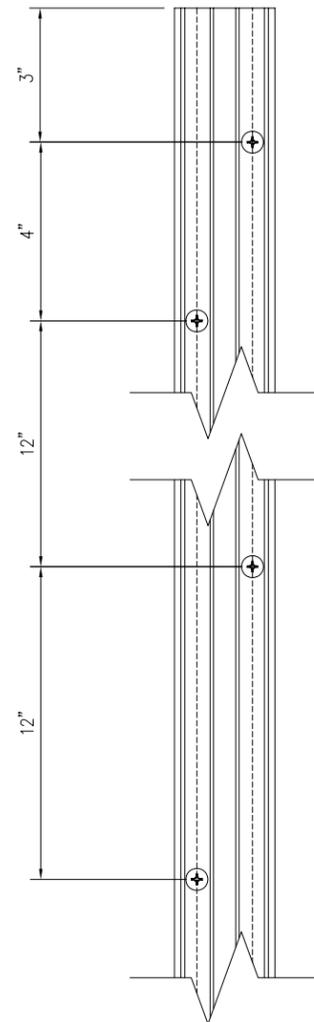
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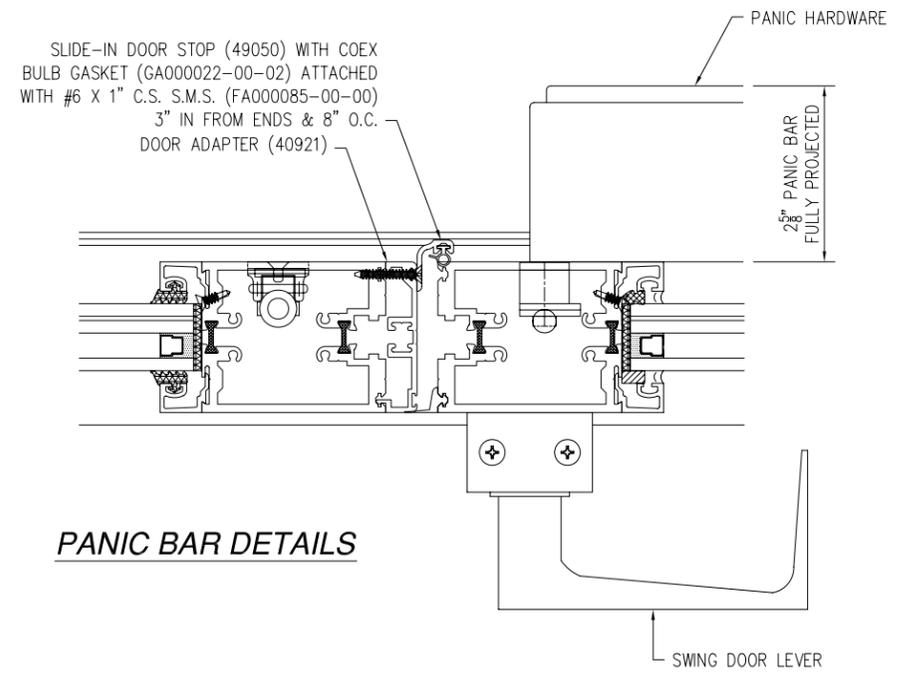
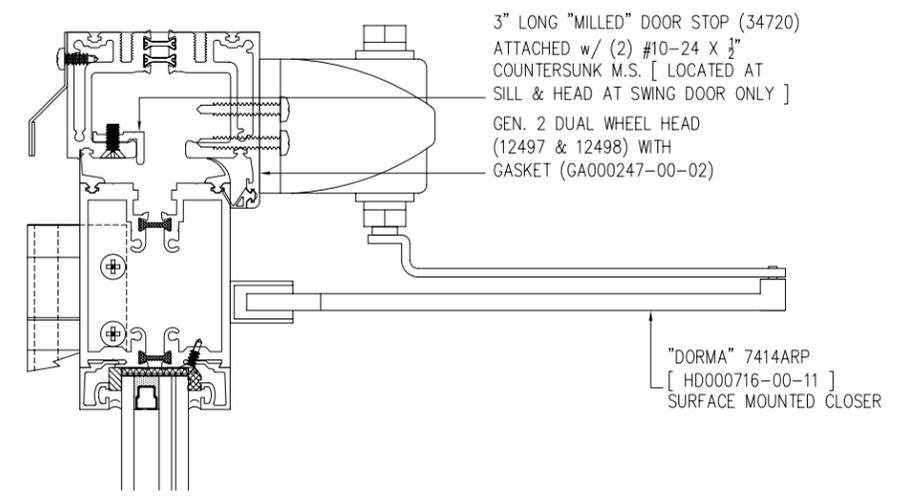
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JAMB INSTALLATION DETAIL L
JAMB WITH REINFORCEMENT



JAMB INSTALLATION DETAIL M
JAMB WITHOUT REINFORCEMENT



PANIC BAR DETAILS

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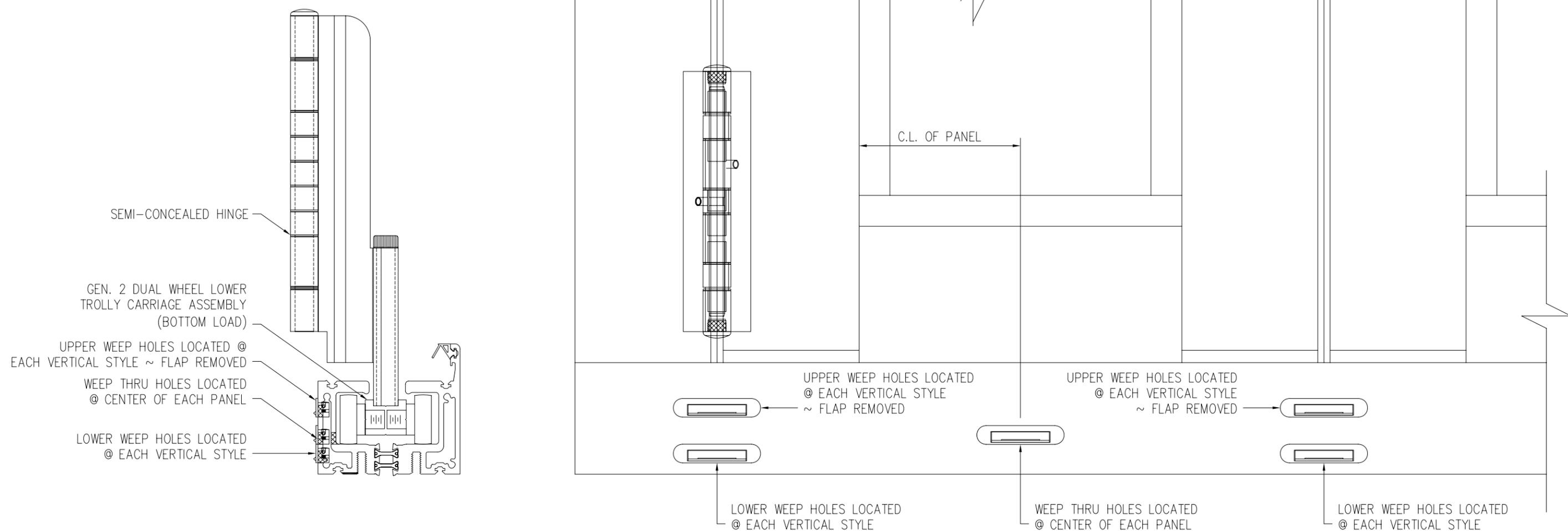
SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SI 3350 OUTFOLD ALUMINUM REINFORCED FGW 3X8 PANEL INSTALLATION INSTRUCTIONS		
DRAWN: R.L.	DWG NO. 08-01845	REV -
SCALE NTS	DATE 09/19/12	SHEET 14 OF 16

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WEEP LOCATIONS

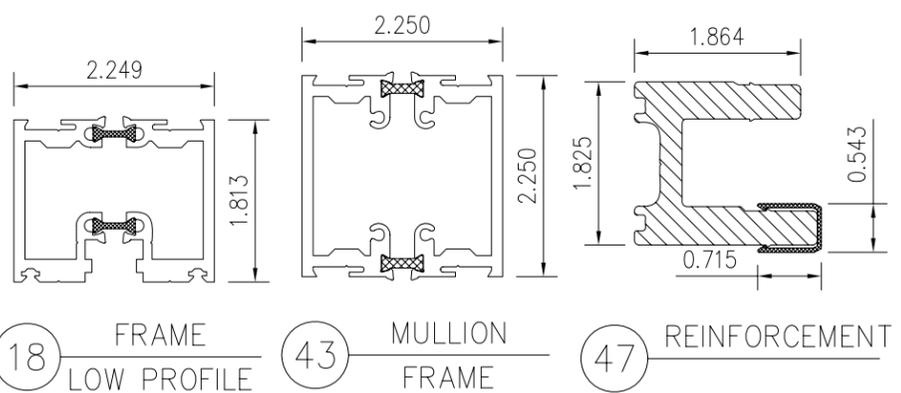
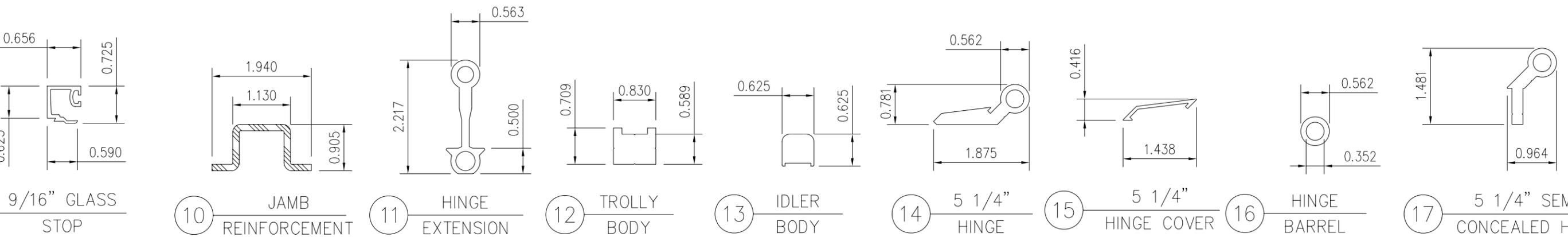
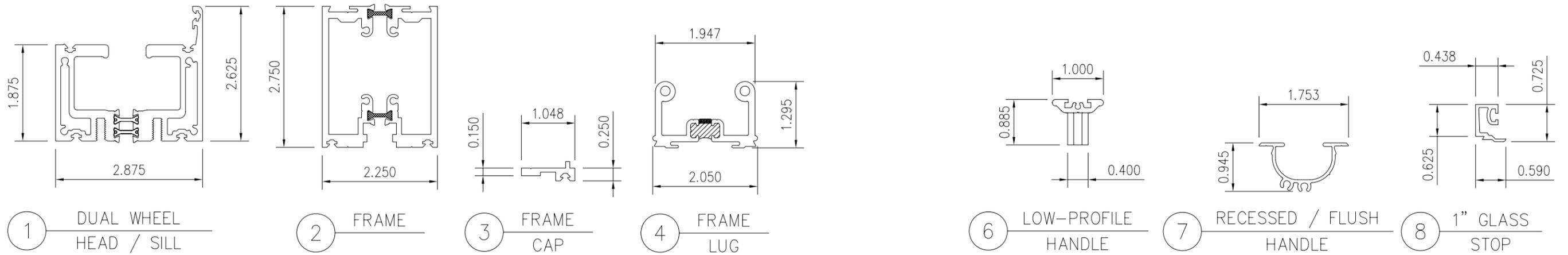
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SI 3350 OUTFOLD ALUMINUM REINFORCED FGW 3X8 PANEL WEEP LOCATIONS		
DRAWN: R.L.	DWG NO. 08-01845	REV -
SCALE NTS	DATE 09/19/12	SHEET 15 OF 16

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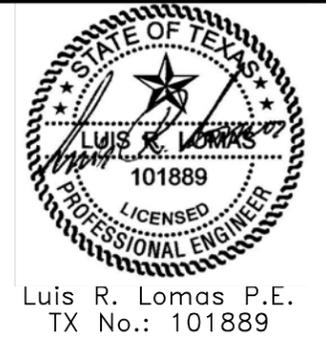
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**SI 3350 OUTFOLD ALUMINUM REINFORCED
FGW 3X8 PANEL
COMPONENTS**

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