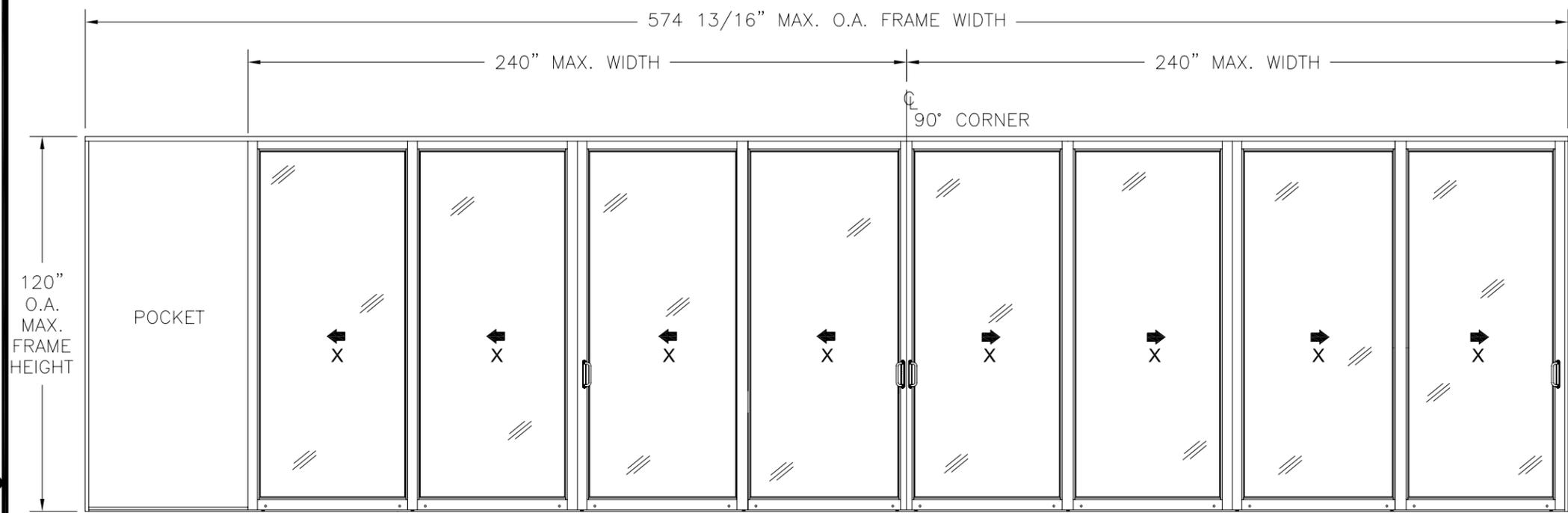


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED RATINGS AND RISERS	4/13/10	R.L.



8100 SERIES ALUMINUM 90° CORNER SGD
EXTERIOR VIEW

NON-REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±60PSF	NONE

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±80PSF	NONE

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, STEEL METAL 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) 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.
- 4) FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6 .075" THICK.
- 5) PANEL MATERIAL: EXTRUDED ALUMINUM 6063-T6 .080" THICK.
- 6) UNITS MUST BE GLAZED PER ASTM E1300 WITH SINGLE GLAZED OR INSULATED GLASS.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8) MAXIMUM OVERALL PANEL SIZE: 64 7/16" x 118 5/16".
- 9) MAXIMUM D.L.O. SIZE: 56 5/8" x 112 5/16".
- 10) APPROVED FRAME CONDITIONS: 2-TRACK, 3-TRACK AND 4-TRACK.
- 11) POCKETS MAY BE INTERIOR OR EXTERIOR. POCKETS ARE NOT PART OF DOOR DESIGN.
- 12) APPROVED CONFIGURATIONS: (8) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, NOTES AND DESIGN PRESSURE RATINGS
2	HORIZONTAL CROSS SECTIONS
3	ANCHORING LAYOUT AND NOTES
4 - 7	INSTALLATION DETAILS

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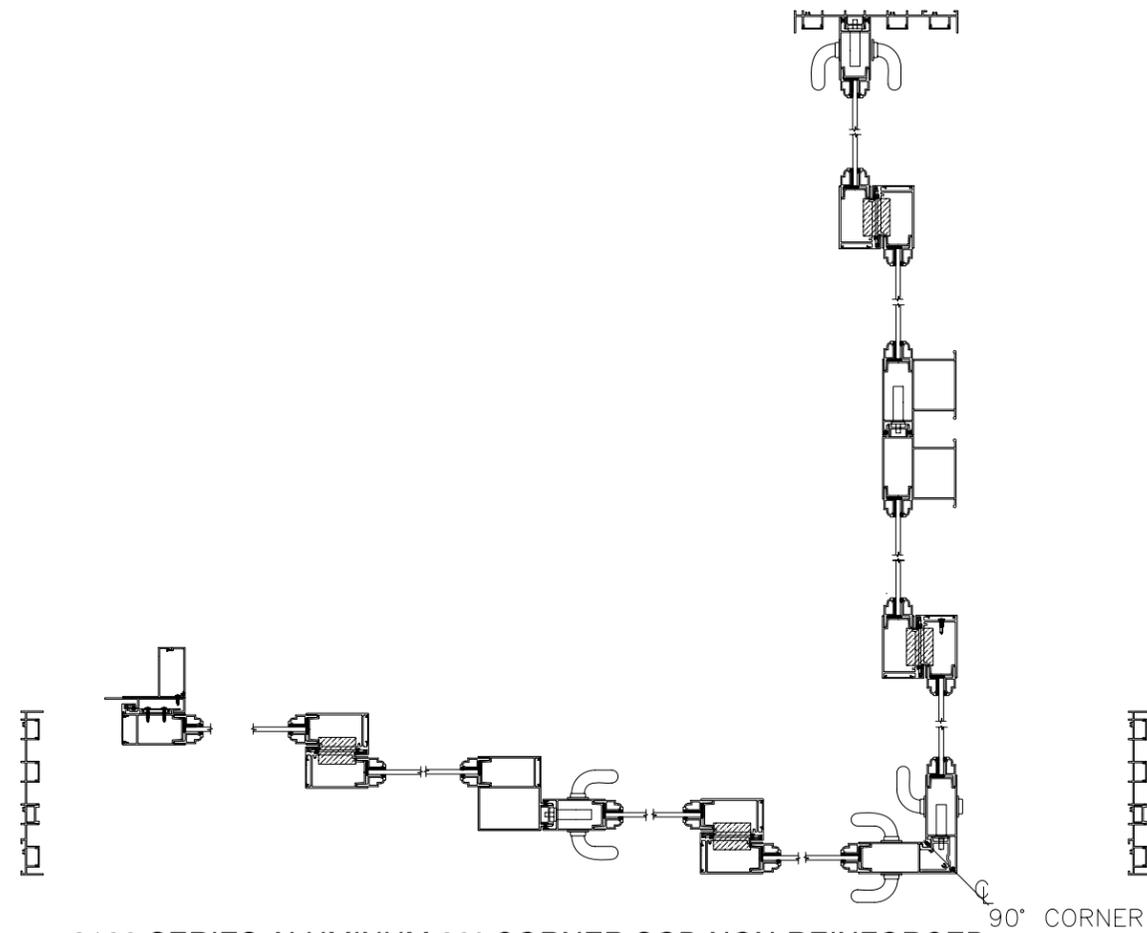
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8100 SERIES ALUMINUM 90° CORNER SGD NON-IMP REINFORCED & NON-REINFORCED 5'0 x 10'0 PANEL ELEVATION, NOTES AND DESIGN PRESSURE RATINGS

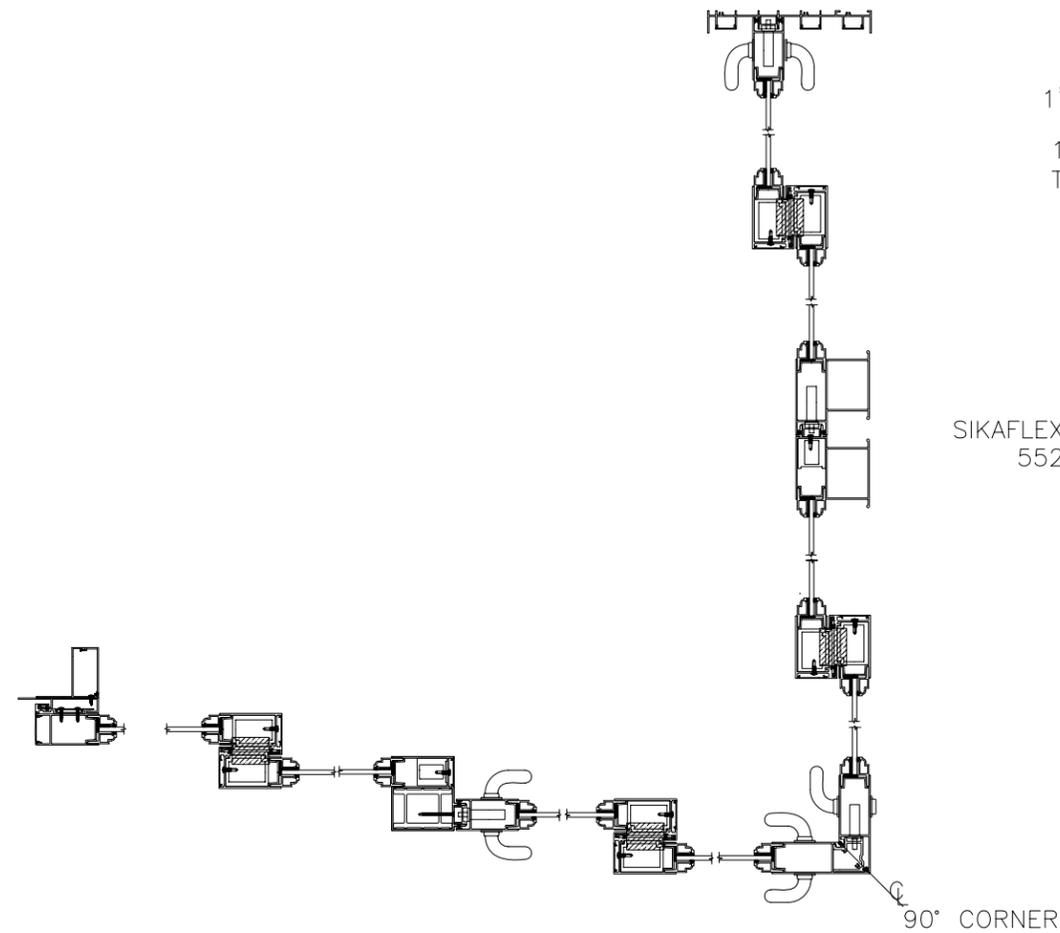
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SCALE NTS	DATE 09/21/09	SHEET 1 OF 7

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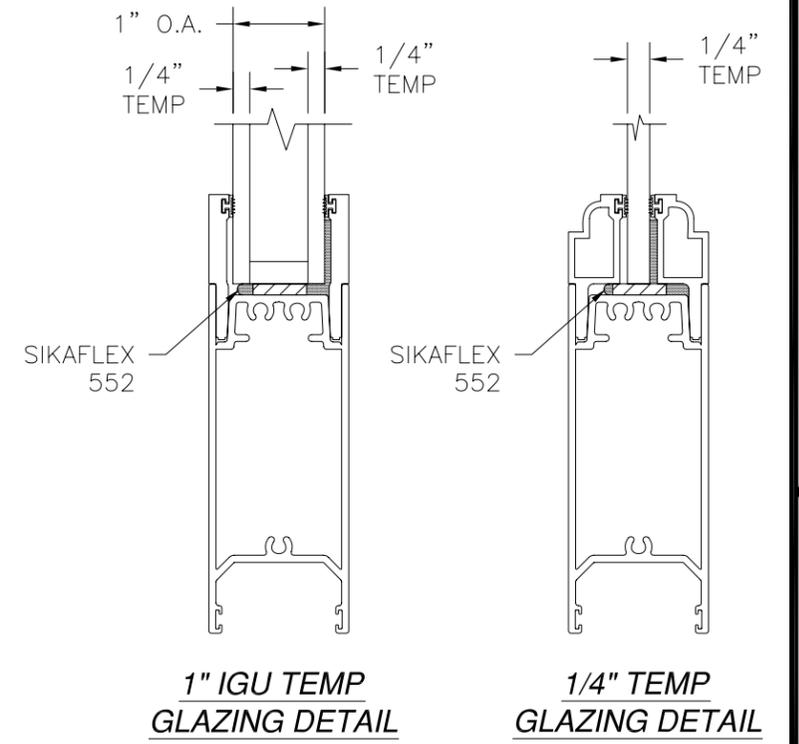
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8100 SERIES ALUMINUM 90° CORNER SGD NON-REINFORCED
HORIZONTAL CROSS SECTION



8100 SERIES ALUMINUM 90° CORNER SGD REINFORCED
HORIZONTAL CROSS SECTION



FOR APPROVED CONFIGURATIONS SEE NOTE 12 SHEET 1.

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REINFORCED & NON-REINFORCED 5'0 x 10'0 PANEL
HORIZONTAL CROSS SECTIONS

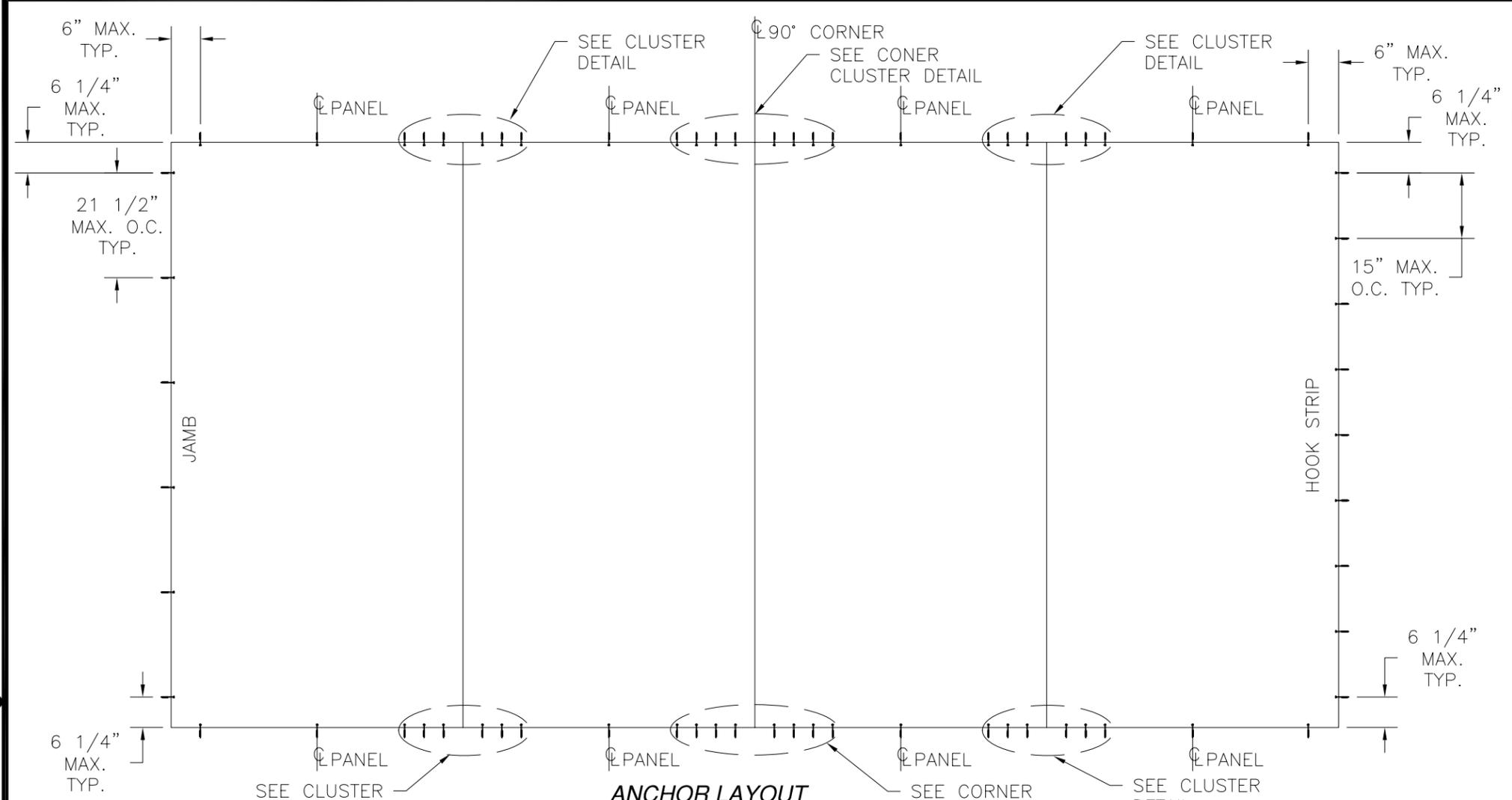
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SCALE NTS DATE 09/21/09 SHEET 2 OF 7



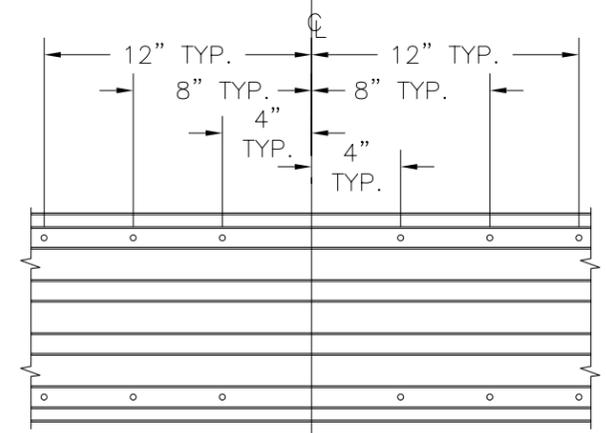
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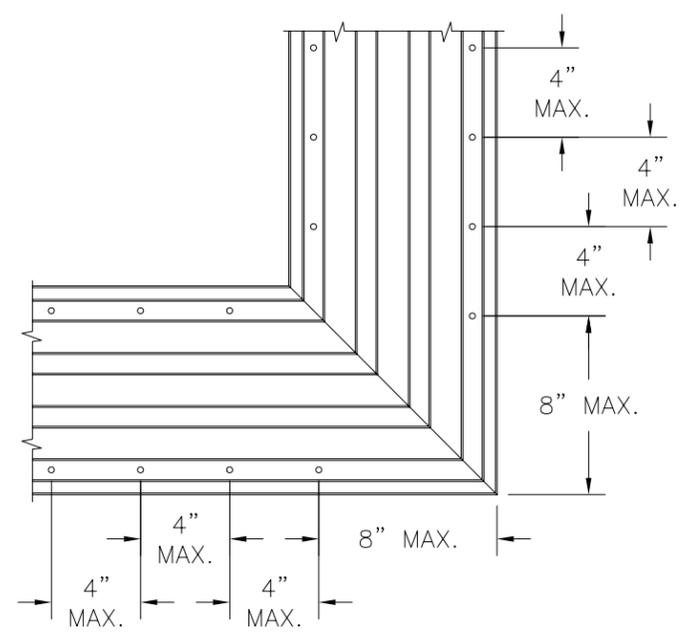


- NOTES:
- 1) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
 - 2) FOR ANCHORING INTO MASONRY USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 3) FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X BACKED 20GA STEEL STUD USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 4) ALL FASTENERS TO BE CORROSION RESISTANT.
 - 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 3,200 PSI.
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
D. STEEL FRAMING - 20GA. STEEL STUD MINIMUM.
 - 6) THERE ARE (2) INSTALLATION ANCHORS AT EACH ANCHOR LOCATION IN HEAD, SILL AND JAMBS FOR 2-TRACK, 3-TRACK AND 4-TRACK FRAMES.
 - 7) THERE IS (1) INSTALLATION ANCHOR AT EACH ANCHOR LOCATION IN HOOK STRIP.

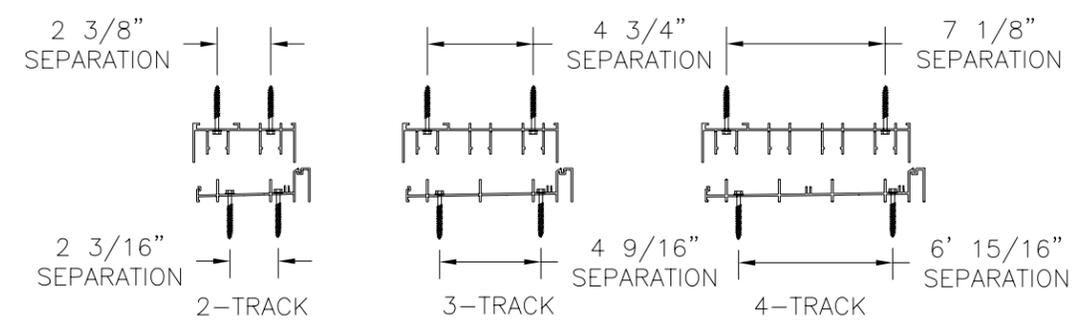
ANCHOR LAYOUT
TYPICAL REINFORCED AND NON-REINFORCED
4 PANEL UNIT SHOWN, APPLICABLE TO ALL APPROVED CONFIGURATIONS



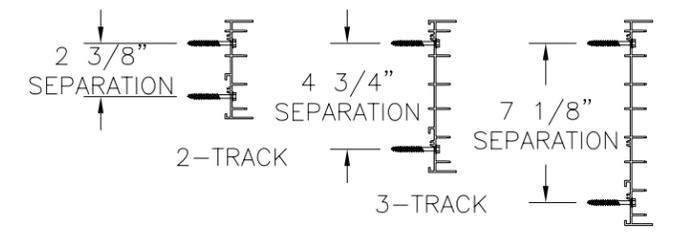
CLUSTER DETAIL
4-TRACK SHOWN, 2-TRACK AND 3-TRACK SIMILAR



CORNER CLUSTER DETAIL
4-TRACK SHOWN, 2-TRACK AND 3-TRACK SIMILAR



HEAD AND SILL DETAILS



JAMB DETAILS

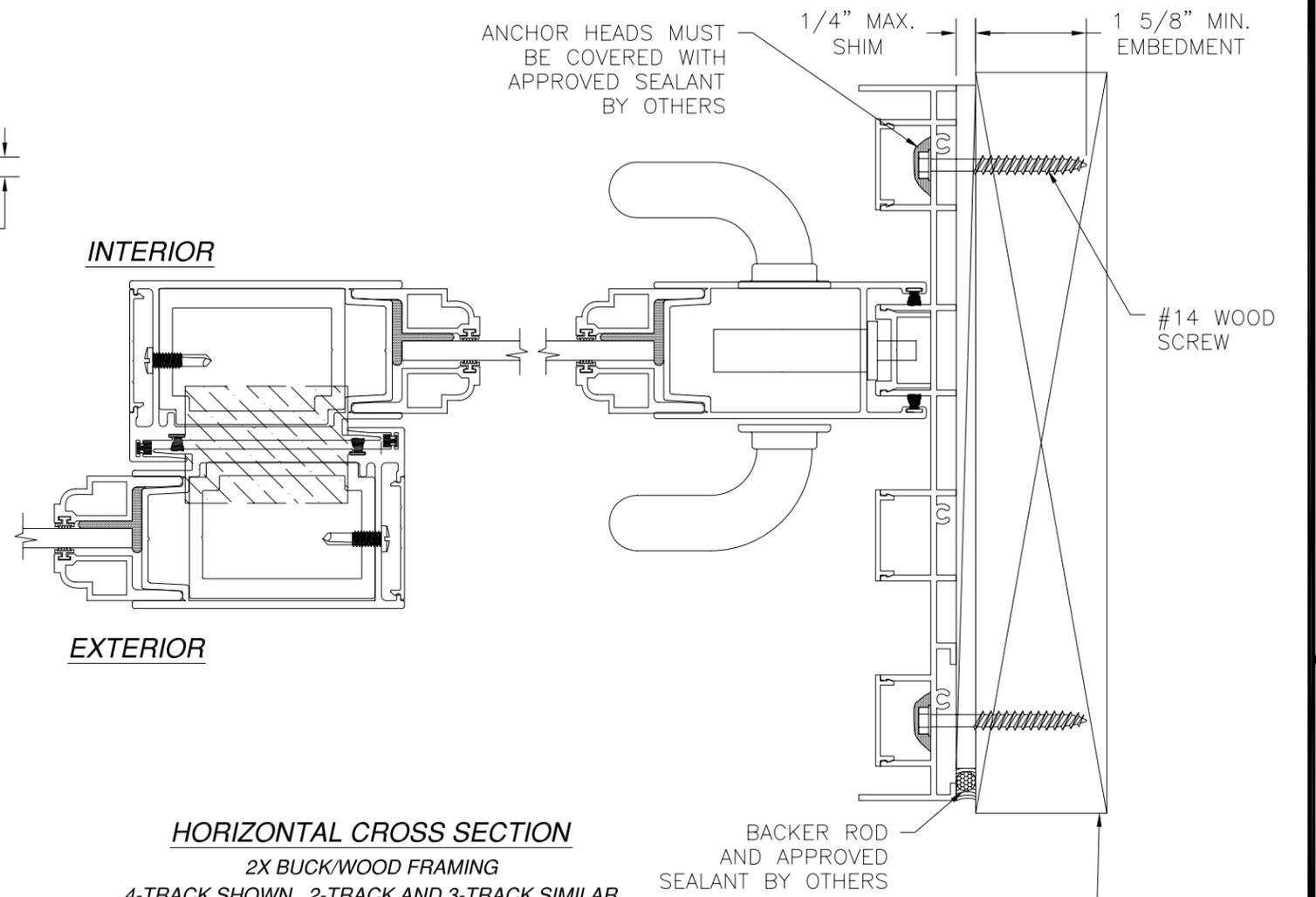
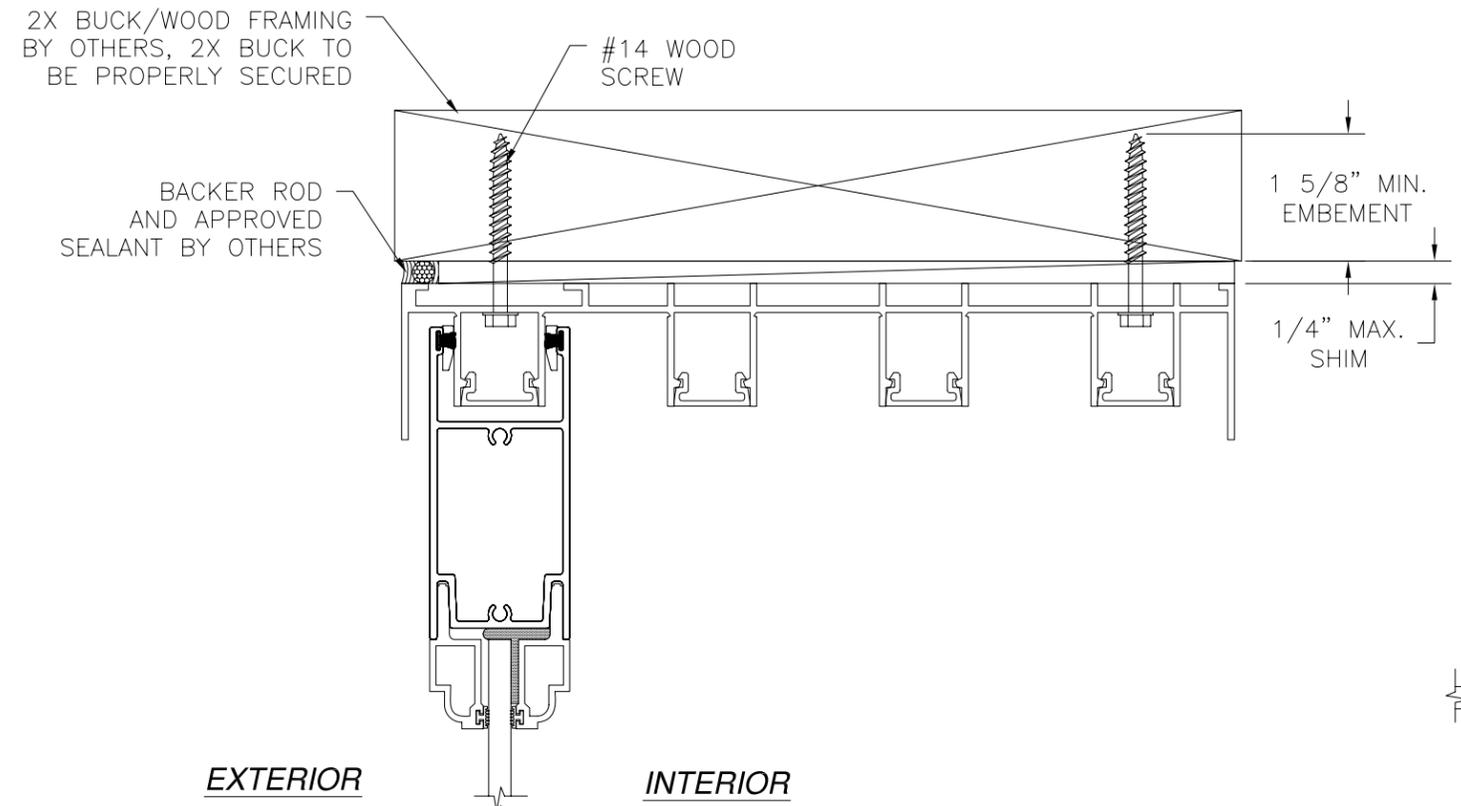
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8100 SERIES ALUMINUM 90° CORNER SGD NON-IMP REINFORCED & NON-REINFORCED 5'0 x 10'0 PANEL ANCHOR LAYOUT, DETAILS AND NOTES

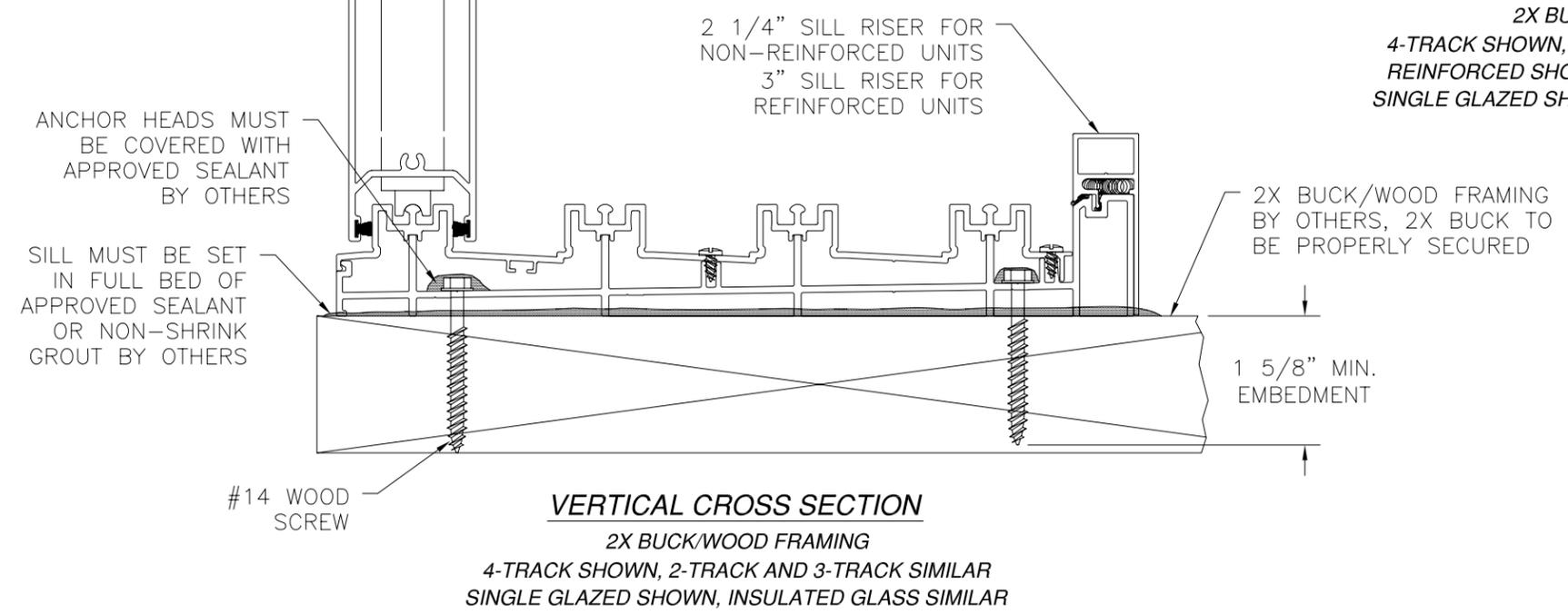
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SCALE NTS
DATE 09/21/09
SHEET 3 OF 7
REV A

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED RATINGS AND RISERS	4/13/10	R.L.



HORIZONTAL CROSS SECTION
 2X BUCK/WOOD FRAMING
 4-TRACK SHOWN, 2-TRACK AND 3-TRACK SIMILAR
 REINFORCED SHOWN, NON-REINFORCED SIMILAR
 SINGLE GLAZED SHOWN, INSULATED GLASS SIMILAR



VERTICAL CROSS SECTION
 2X BUCK/WOOD FRAMING
 4-TRACK SHOWN, 2-TRACK AND 3-TRACK SIMILAR
 SINGLE GLAZED SHOWN, INSULATED GLASS SIMILAR

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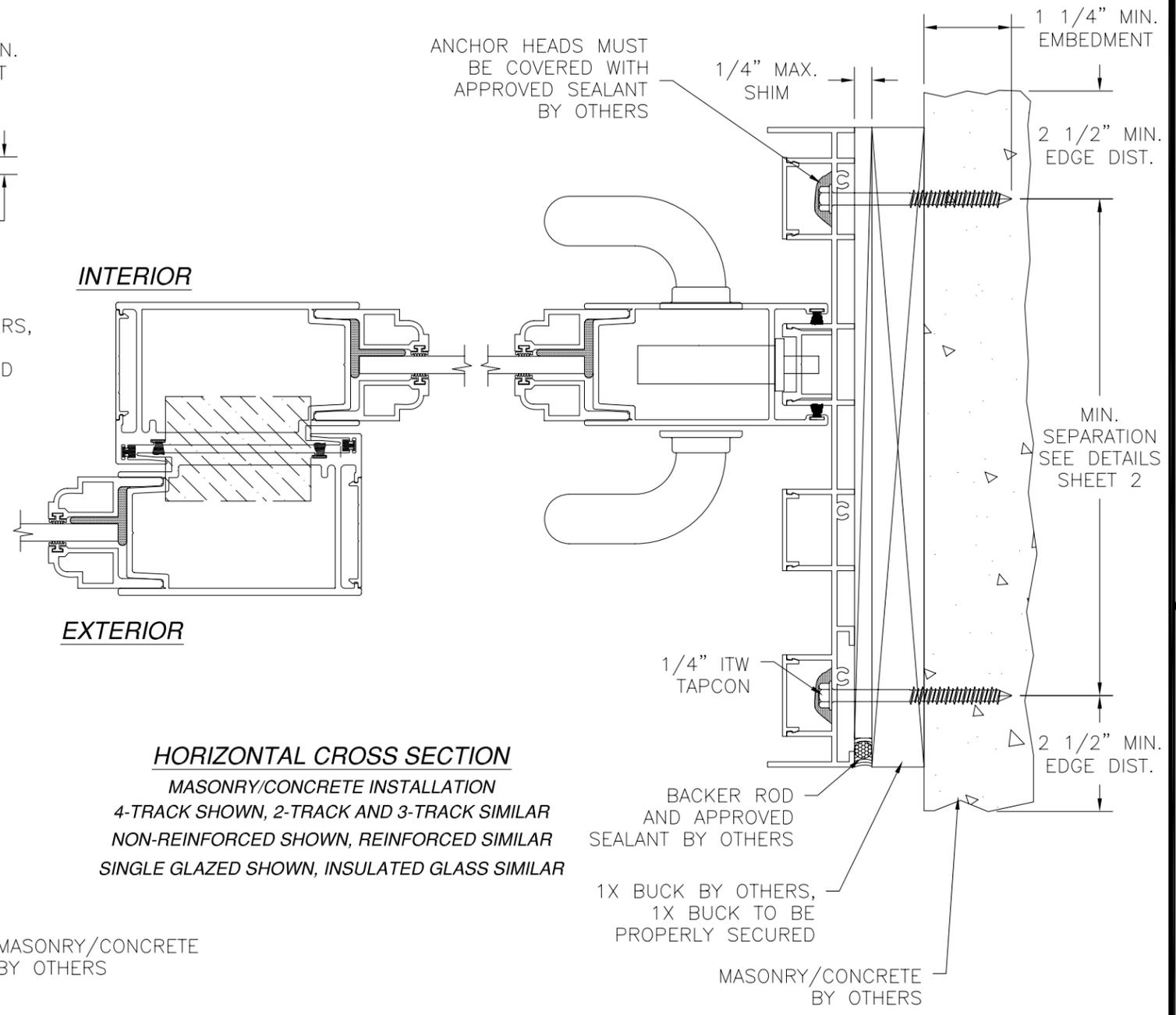
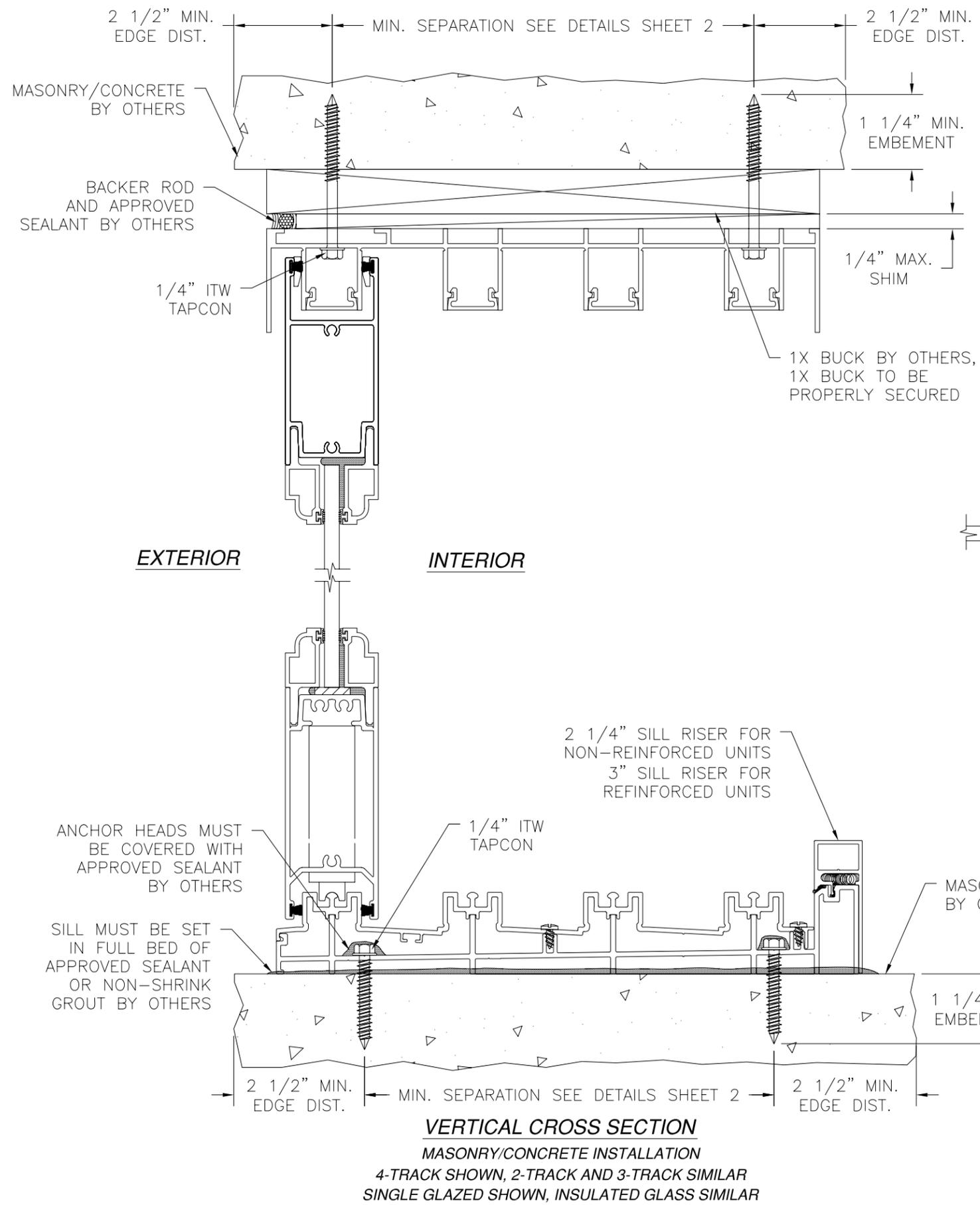
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 REINFORCED & NON-REINFORCED 5'0 x 10'0 PANEL
 INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00863	REV A
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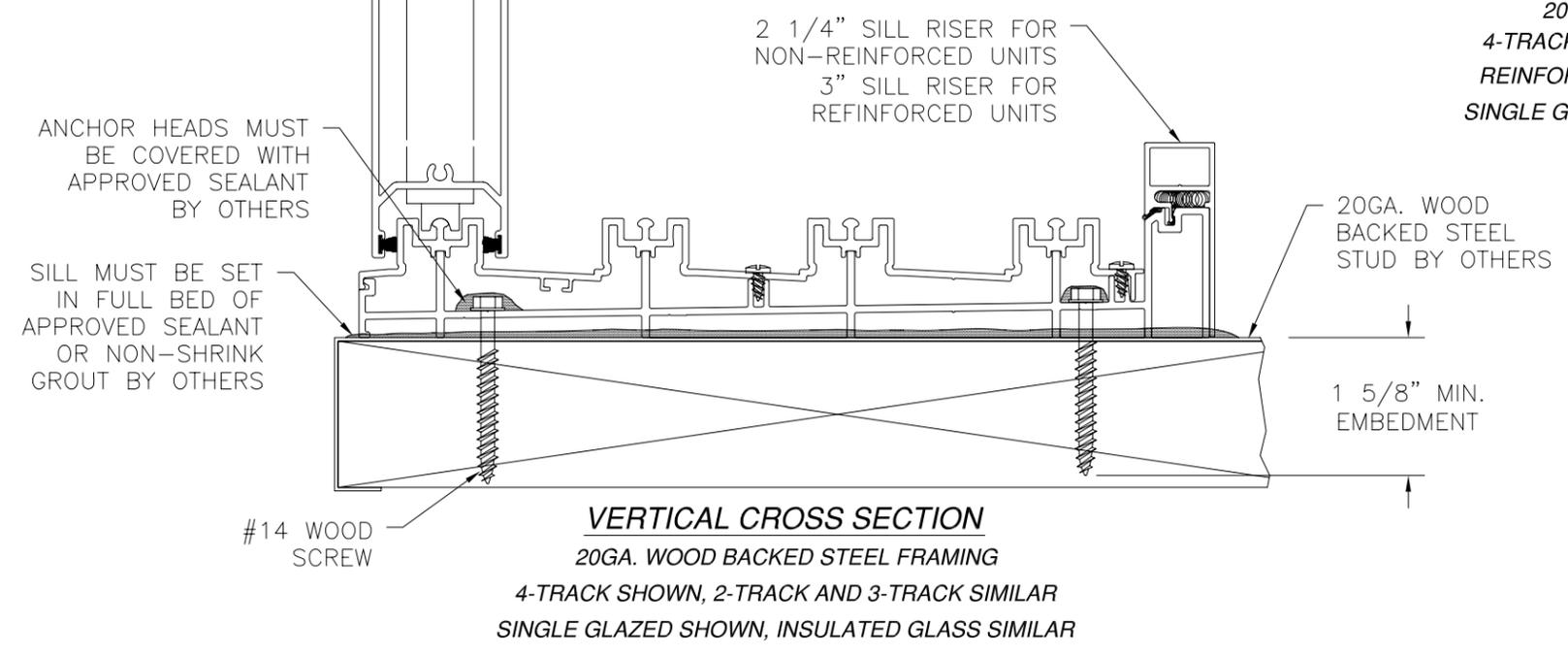
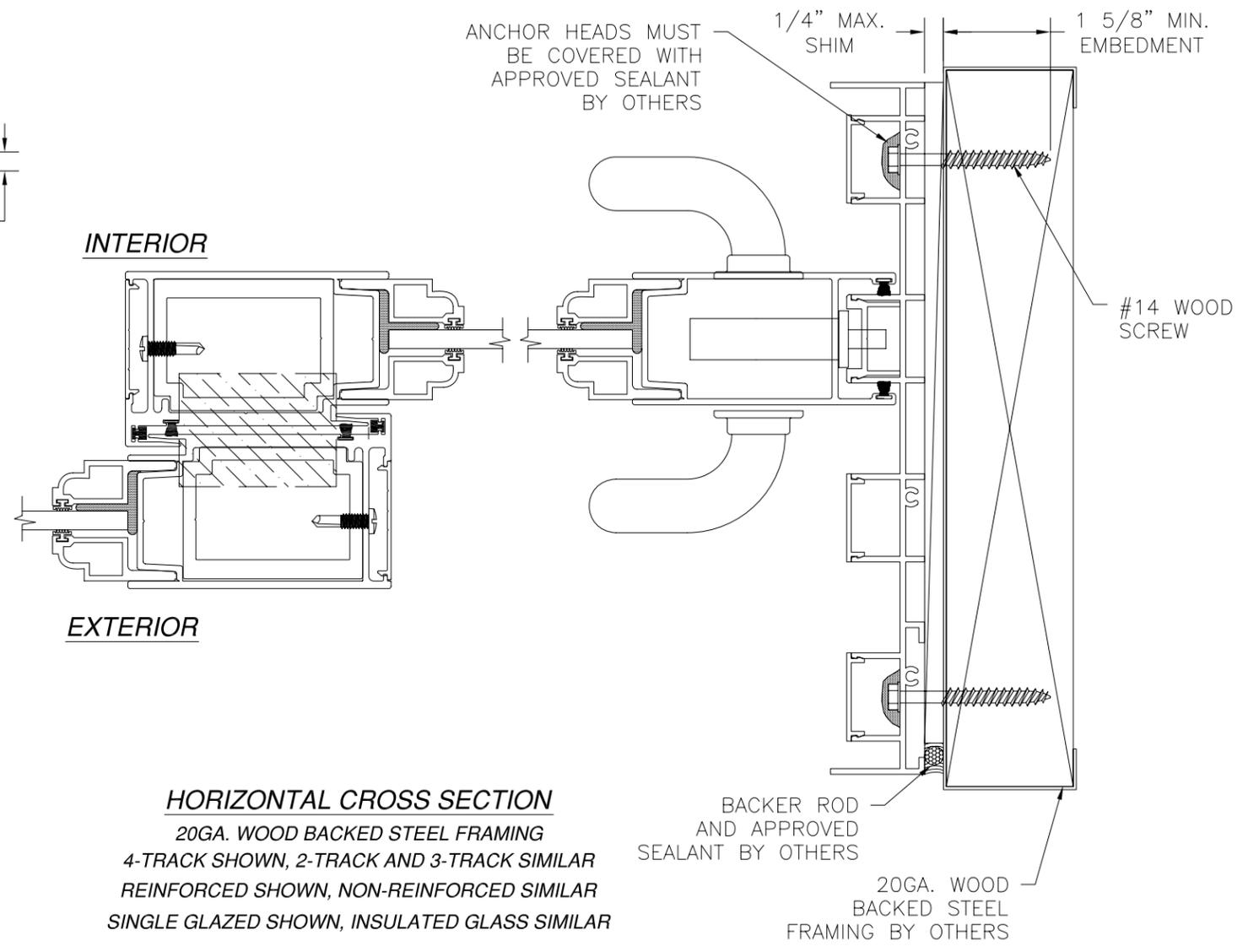
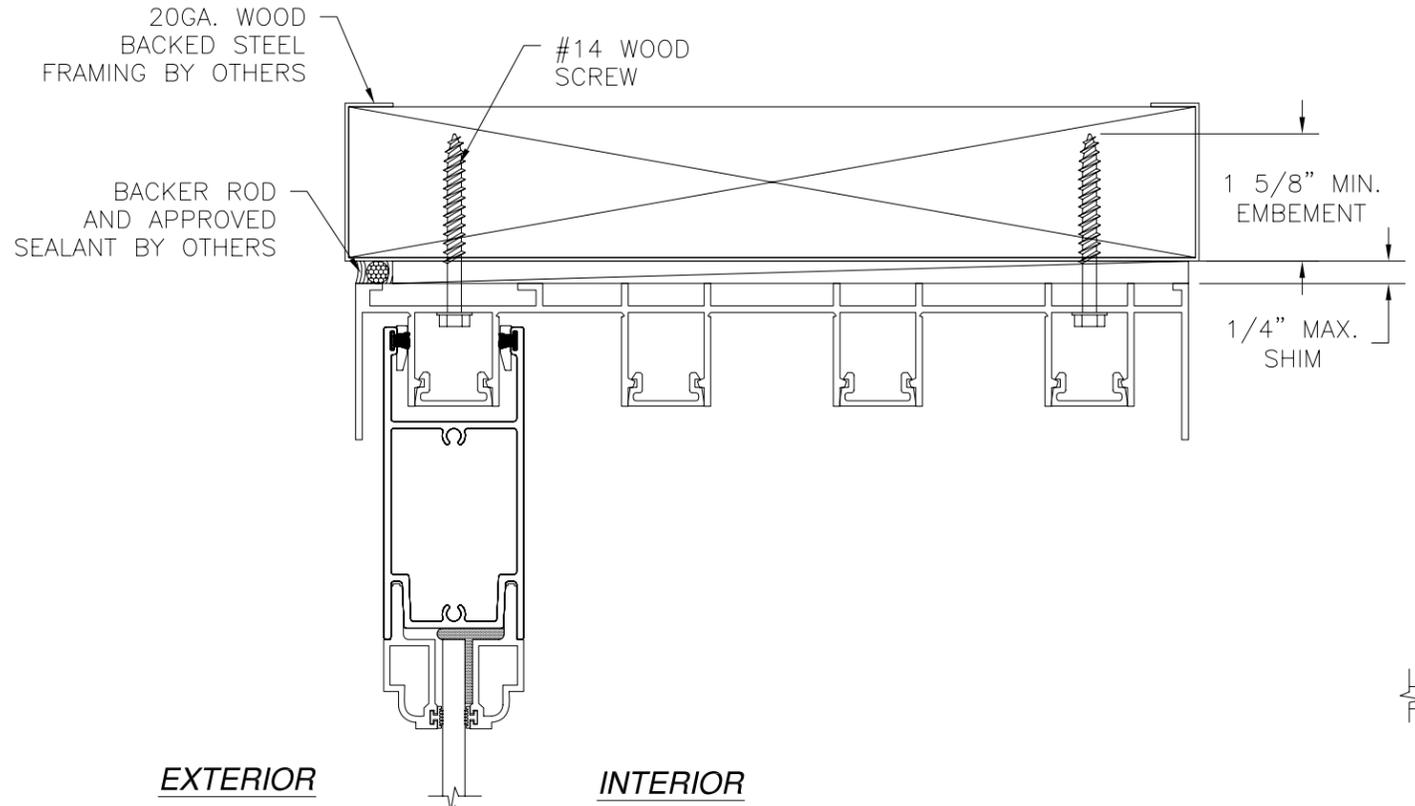
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REINFORCED & NON-REINFORCED 5'0 x 10'0 PANEL
INSTALLATION DETAILS

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Texas No. 101889

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HORIZONTAL CROSS SECTION
 20GA. WOOD BACKED STEEL FRAMING
 4-TRACK SHOWN, 2-TRACK AND 3-TRACK SIMILAR
 REINFORCED SHOWN, NON-REINFORCED SIMILAR
 SINGLE GLAZED SHOWN, INSULATED GLASS SIMILAR

VERTICAL CROSS SECTION
 20GA. WOOD BACKED STEEL FRAMING
 4-TRACK SHOWN, 2-TRACK AND 3-TRACK SIMILAR
 SINGLE GLAZED SHOWN, INSULATED GLASS SIMILAR

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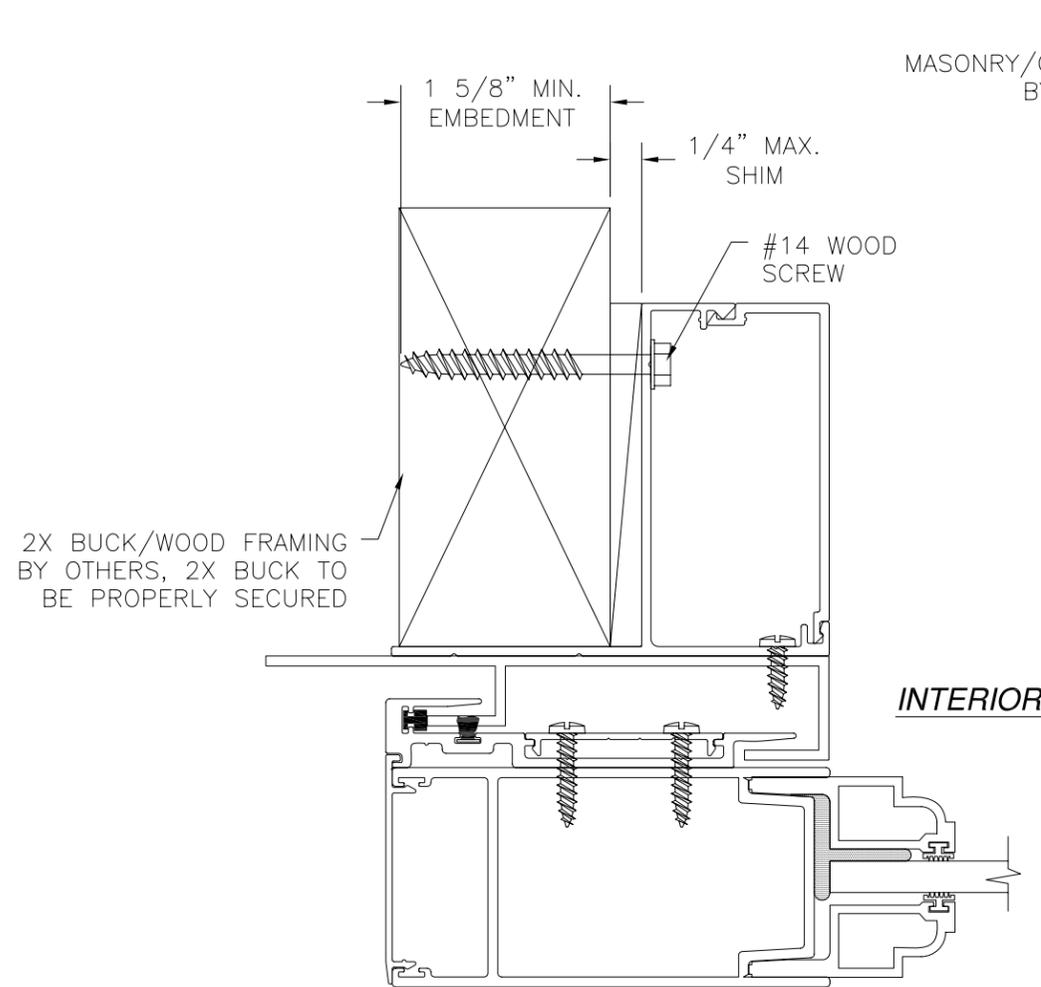
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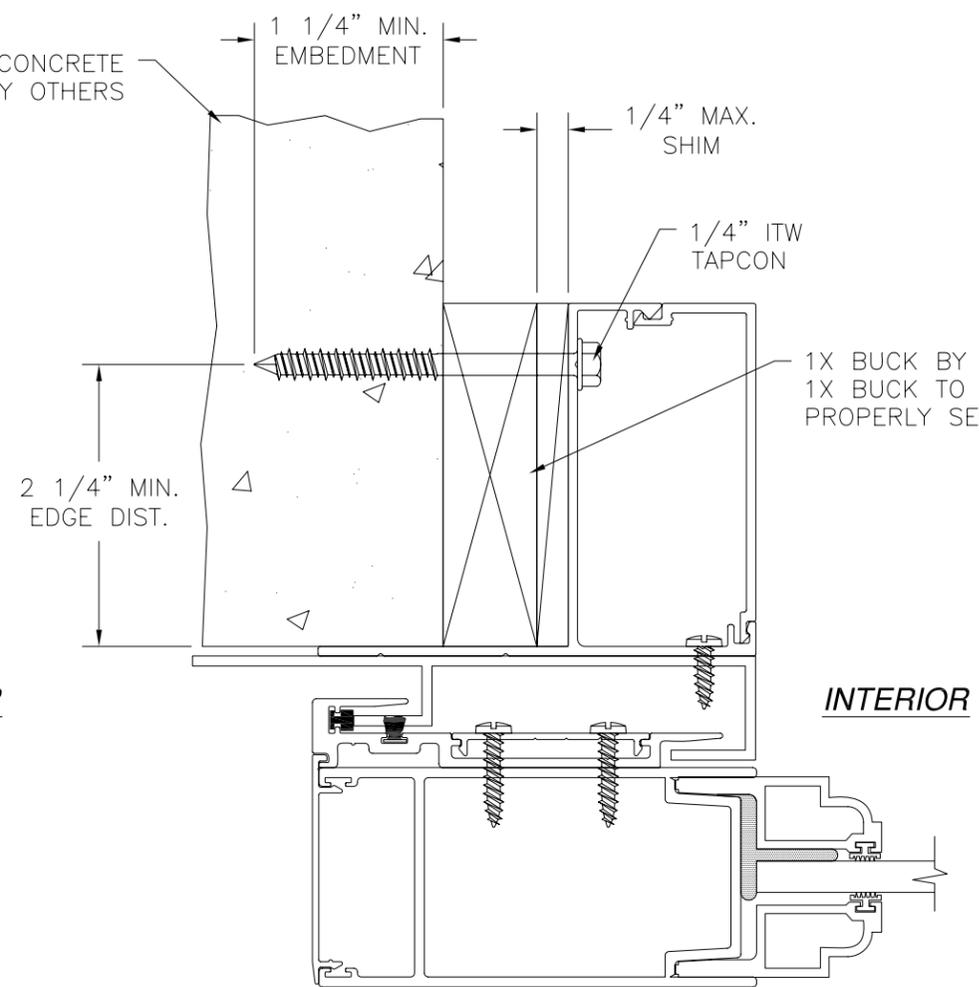
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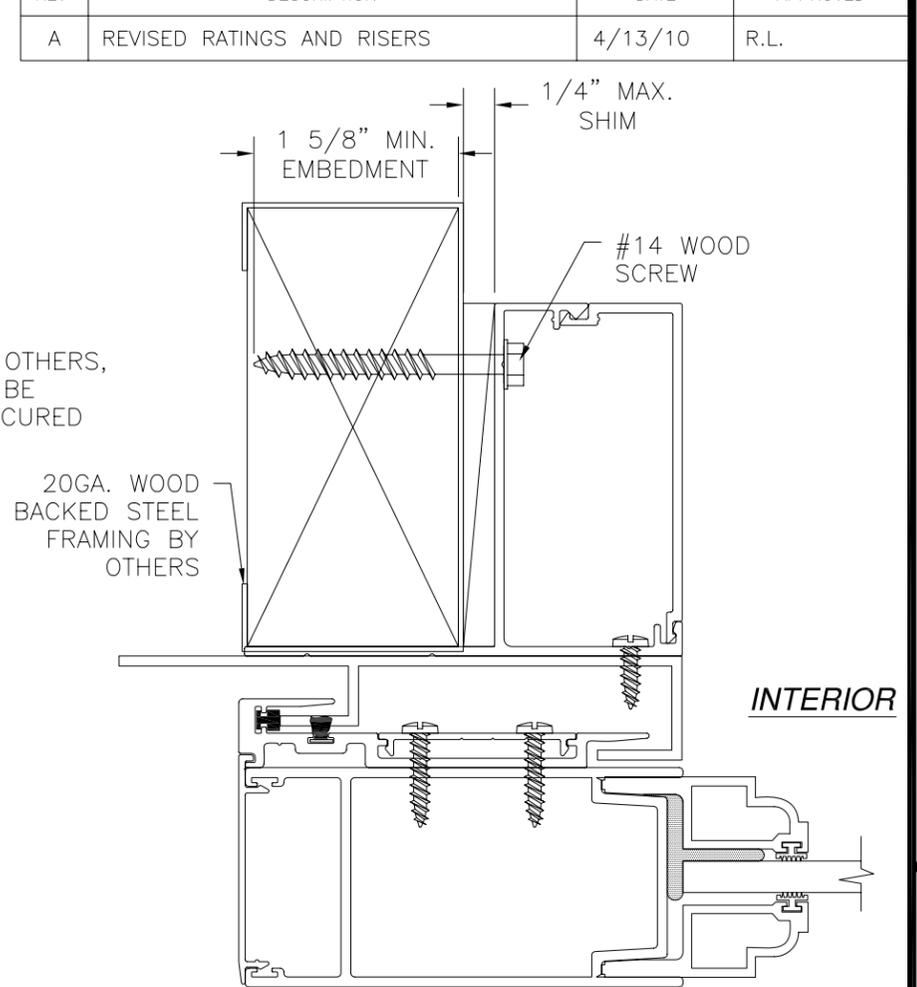
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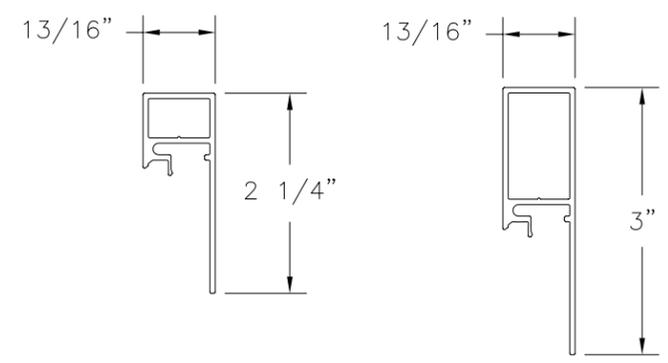
HORIZONTAL CROSS SECTION
HOOK STRIP INSTALLATION
2X BUCK/WOOD FRAMING
 EXTERIOR POCKET SHOWN, INTERIOR POCKET SIMILAR



HORIZONTAL CROSS SECTION
HOOK STRIP INSTALLATION
MASONRY/CONCRETE INSTALLATION
 EXTERIOR POCKET SHOWN, INTERIOR POCKET SIMILAR



HORIZONTAL CROSS SECTION
HOOK STRIP INSTALLATION
20GA. WOOD BACKED STEEL FRAMING
 EXTERIOR POCKET SHOWN, INTERIOR POCKET SIMILAR



SILL RISERS DETAILS

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