REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE THE RESIDENTIAL BUILDING CODE 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: EXTRUDED ALUMINUM 6063–T6
6. UNITS MUST BE GLAZED PER ASTM E1300–04, SEE SHEET 3 FOR GLASS OPTIONS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS 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 5/8" 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. ALL FASTENERS TO BE CORROSION RESISTANT.
12. 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
13. SYSTEMS MAY BE INSTALLED ON 2 TRACK, 3 TRACK OR 4 TRACK FRAME SYSTEMS.

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6000–4T SERIES ALUMINUM SGD 90°/135° REINFORCED AND NON–REINFORCED NON–IMPACT NOTES

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R.L.	08–01602	–
SCALE NTS	DATE 05/16/12	SHEET 1 OF 7

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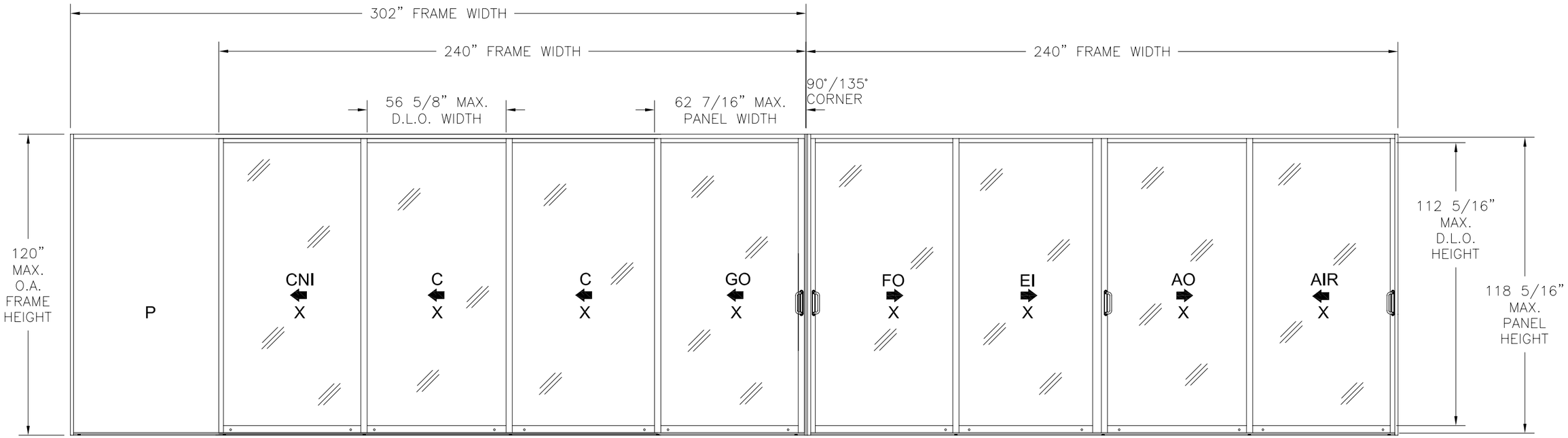


6000-4T SERIES ALUMINUM SGD

TYPICAL ELEVATION EXTERIOR VIEW

(8) PANELS SHOWN. UNLIMITED CONFIGURATIONS ARE APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

NON-REINFORCED UNITS

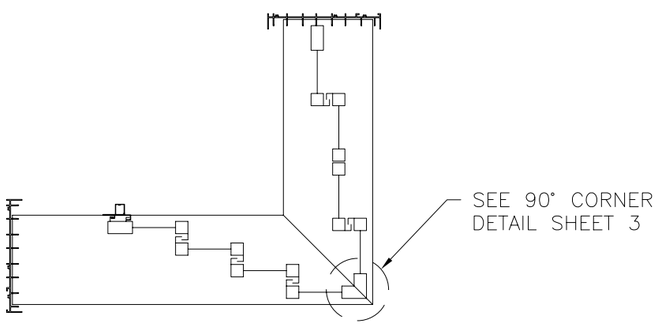
DESIGN PRESSURE RATING	IMPACT RATING
±35.0PSF	NONE

WITH 1 3/4", 2 1/4", 3" OR 3 1/2" HIGH SILL RISER

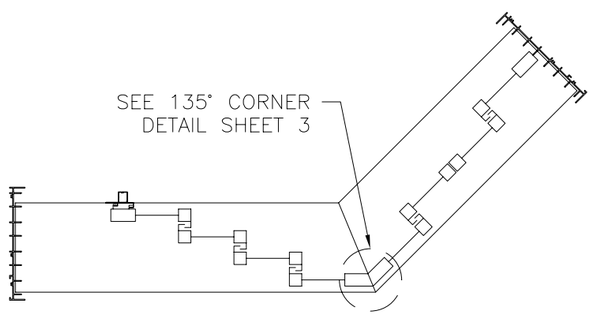
REINFORCED UNITS

DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	NONE

WITH 2 1/4", 3" OR 3 1/2" HIGH SILL RISER.



90° CORNER PLAN VIEW



135° CORNER PLAN VIEW

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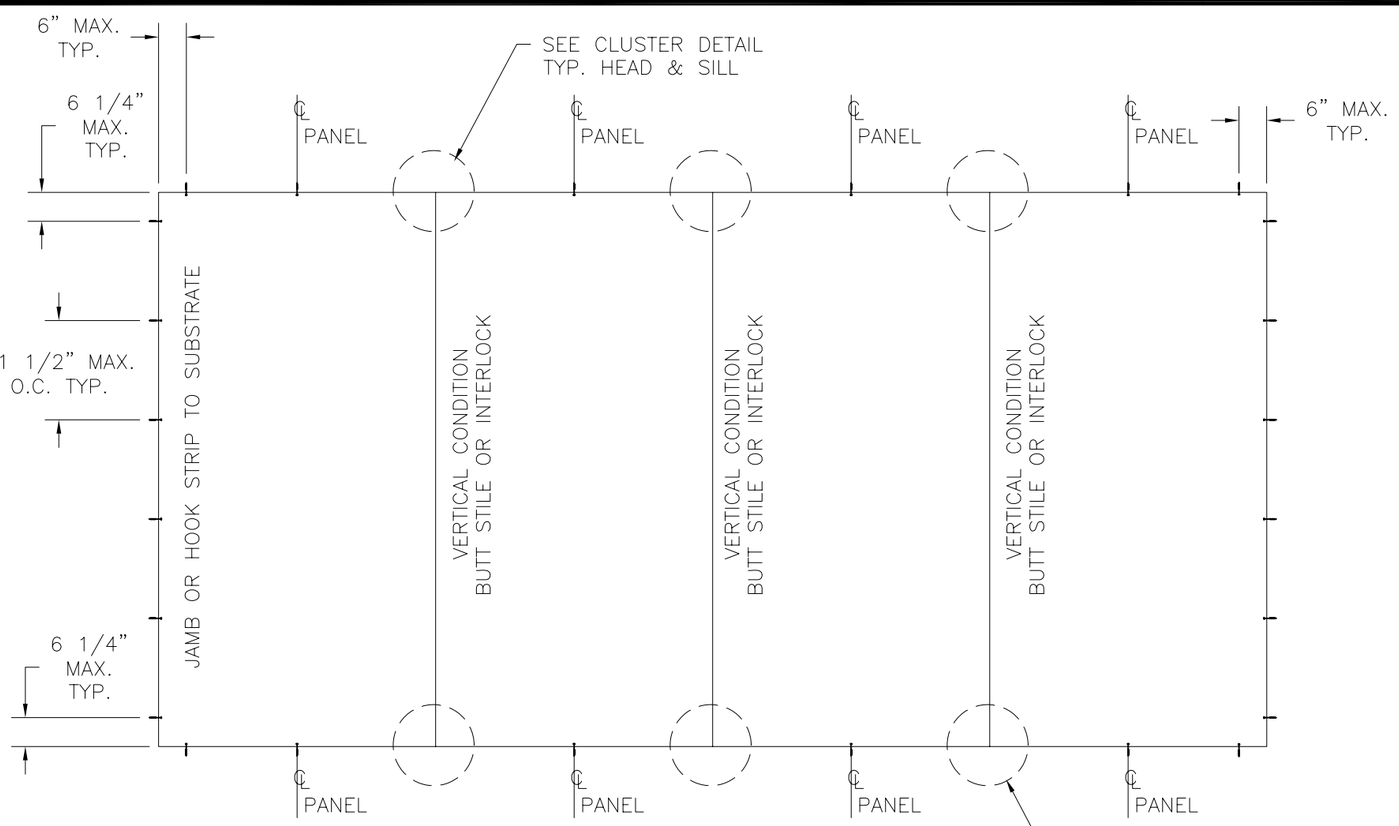
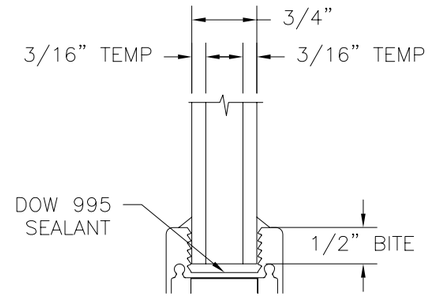
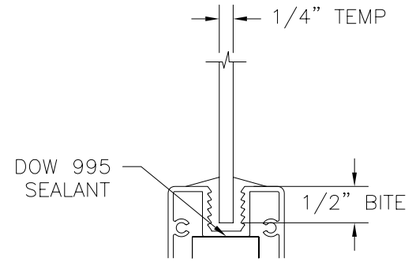


ANCHORING LAYOUT

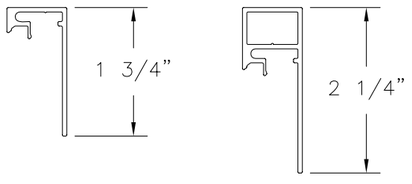
4PANEL UNIT SHOWN, APPLICABLE TO ALL APPROVED CONFIGURATIONS

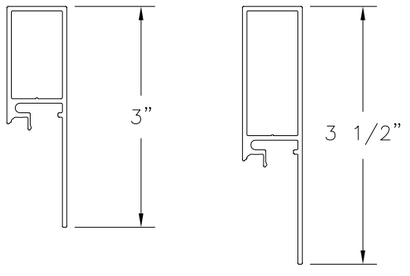


GLAZING DETAIL A

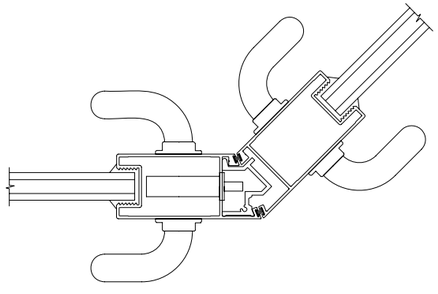


GLAZING DETAIL B

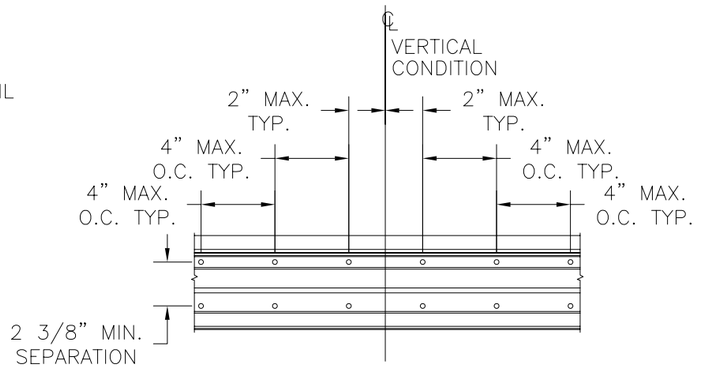




OPTIONAL SILL RISERS

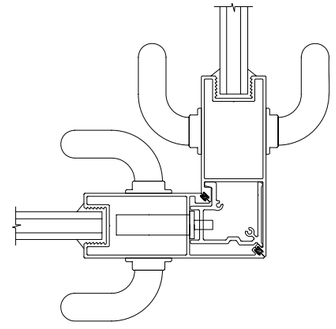


135° CORNER DETAIL



CLUSTER DETAIL

TYP. HEAD & SILL
2T SHOWN, 3T&4T SIMILAR



90° CORNER DETAIL

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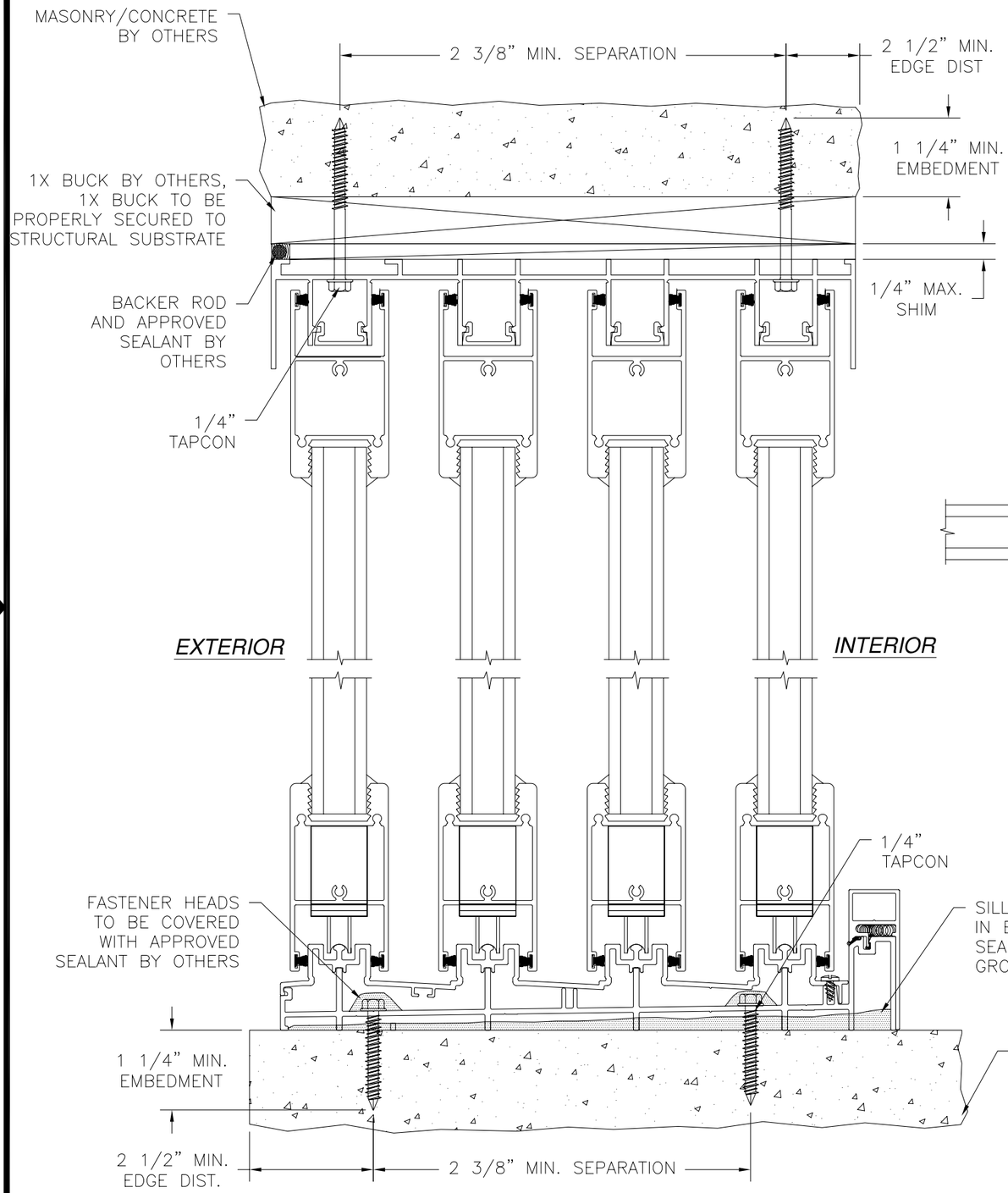
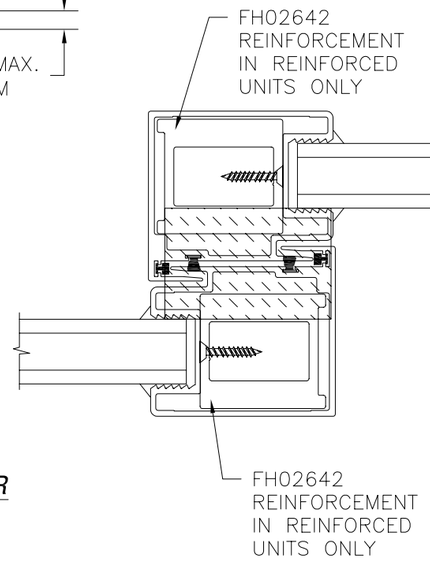
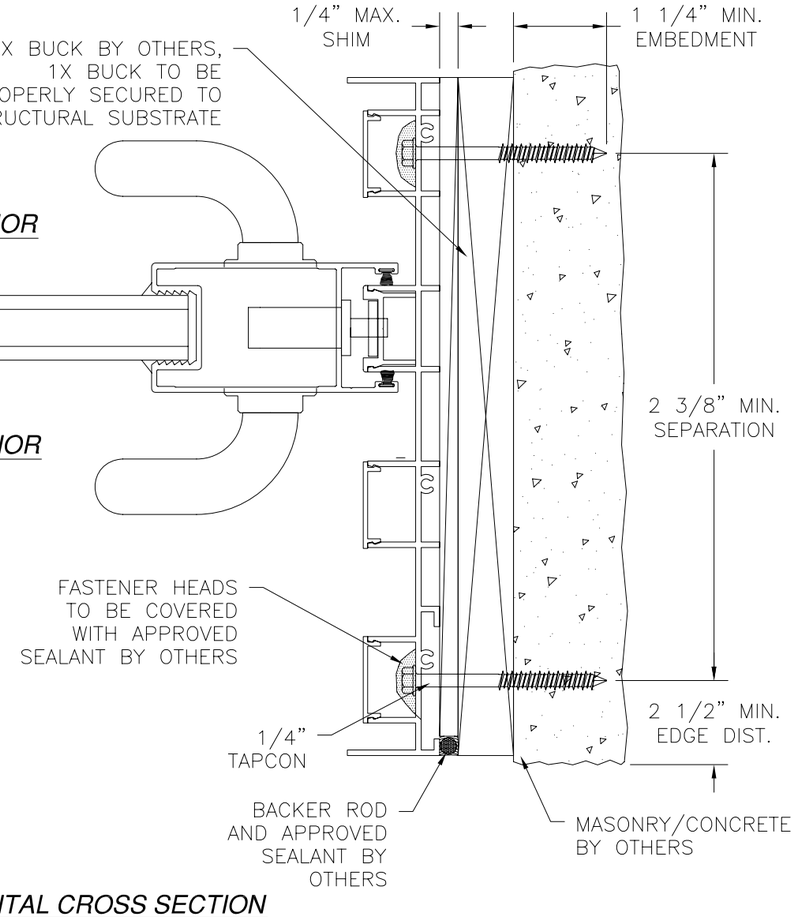


VERTICAL CROSS SECTION

4 TRACK SHOWN 2 AND 3 TRACK SIMILAR
MASONRY/CONCRETE INSTALLATION





HORIZONTAL CROSS SECTION

4 TRACK SHOWN 2 AND 3 TRACK SIMILAR
MASONRY/CONCRETE INSTALLATION

3/4" IGU AND 1/4" SINGLE GLAZED GLASS ARE INTERCHANGEABLE AS LIMITED PER ASTM E1300.

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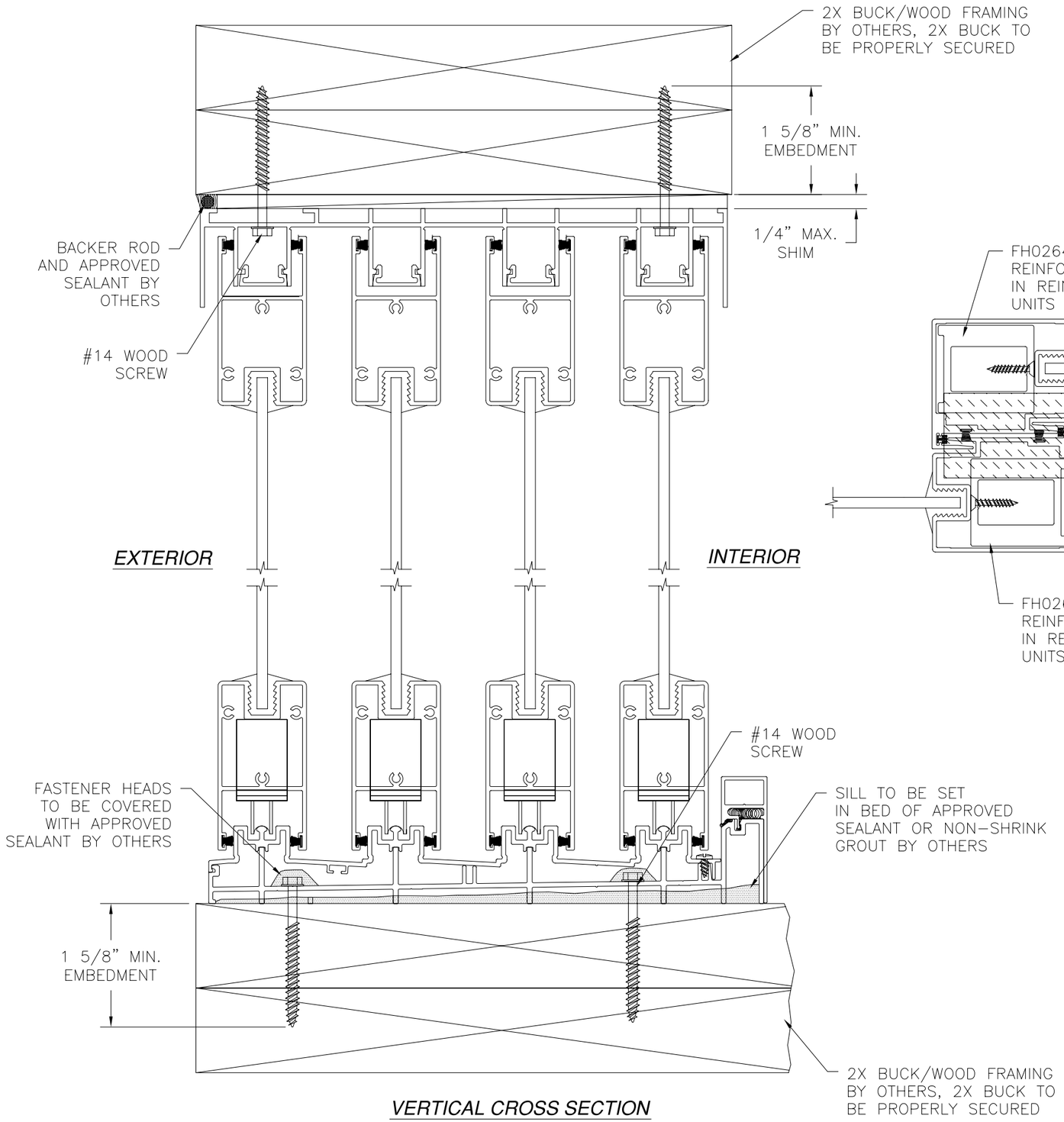
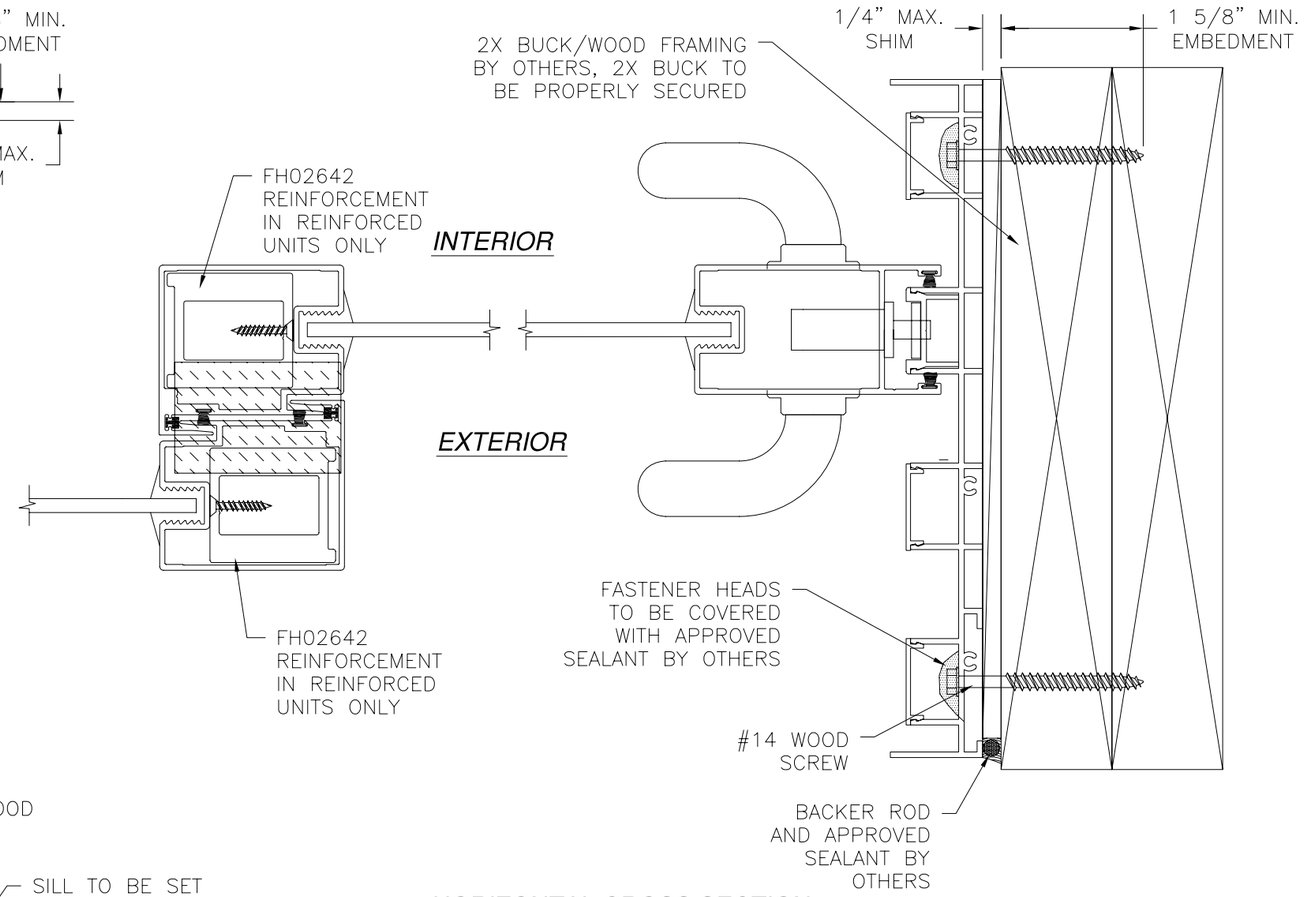


VERTICAL CROSS SECTION

4 TRACK SHOWN 2 AND 3 TRACK SIMILAR

2X BUCK/WOOD FRAMING INSTALLATION



HORIZONTAL CROSS SECTION

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2X BUCK/WOOD FRAMING INSTALLATION

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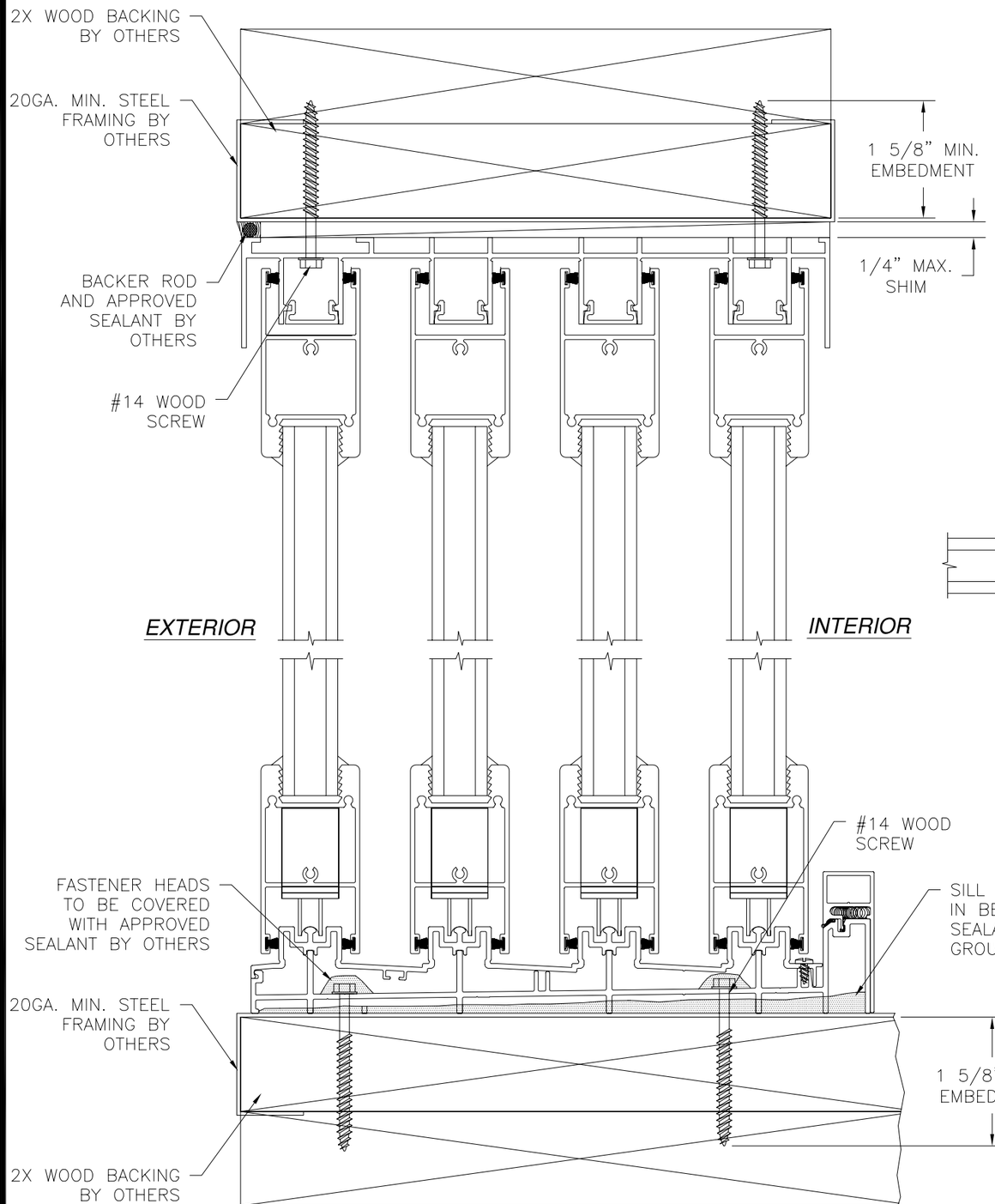
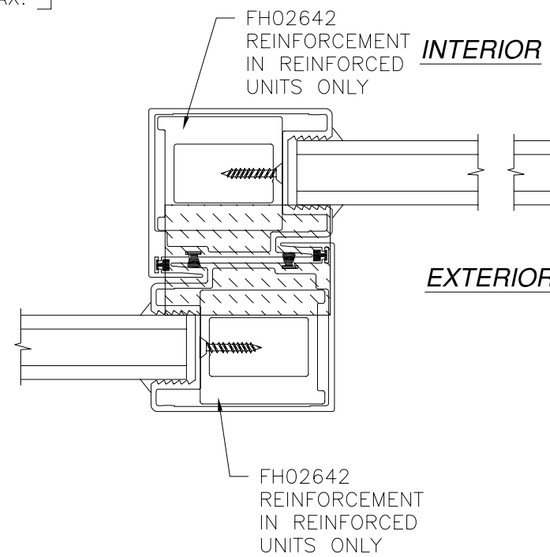
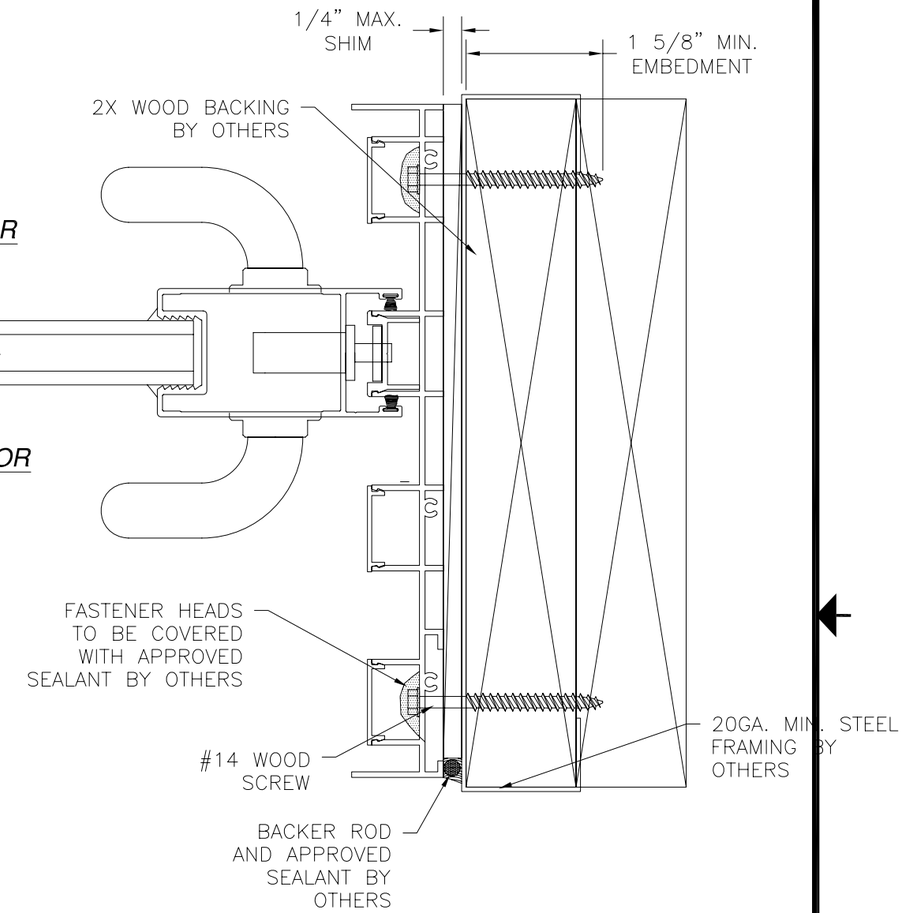


VERTICAL CROSS SECTION

4 TRACK SHOWN 2 AND 3 TRACK SIMILAR

WOOD BACKED 20GA STEEL FRAMING INSTALLATION





HORIZONTAL CROSS SECTION

4 TRACK SHOWN 2 AND 3 TRACK SIMILAR

WOOD BACKED 20GA. STEEL FRAMING INSTALLATION

3/4" IGU AND 1/4" SINGLE GLAZED GLASS ARE INTERCHANGEABLE AS LIMITED PER ASTM E1300.

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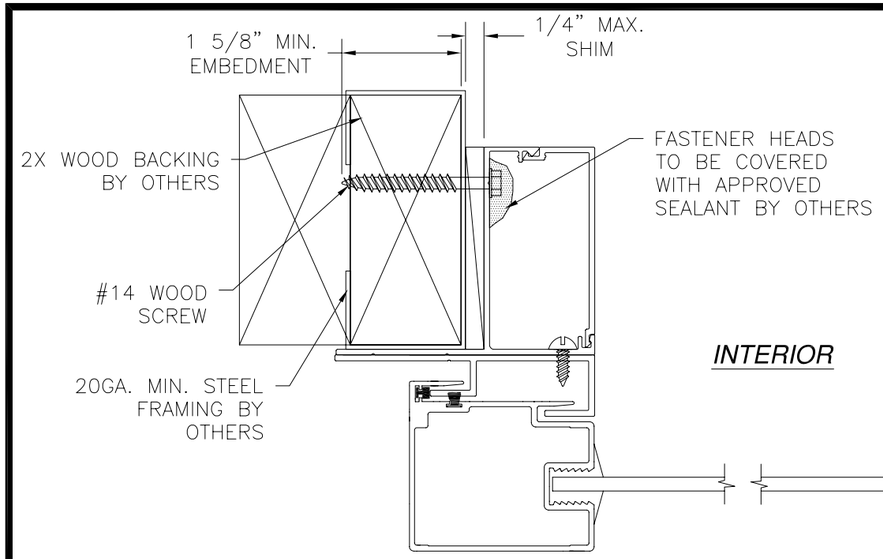
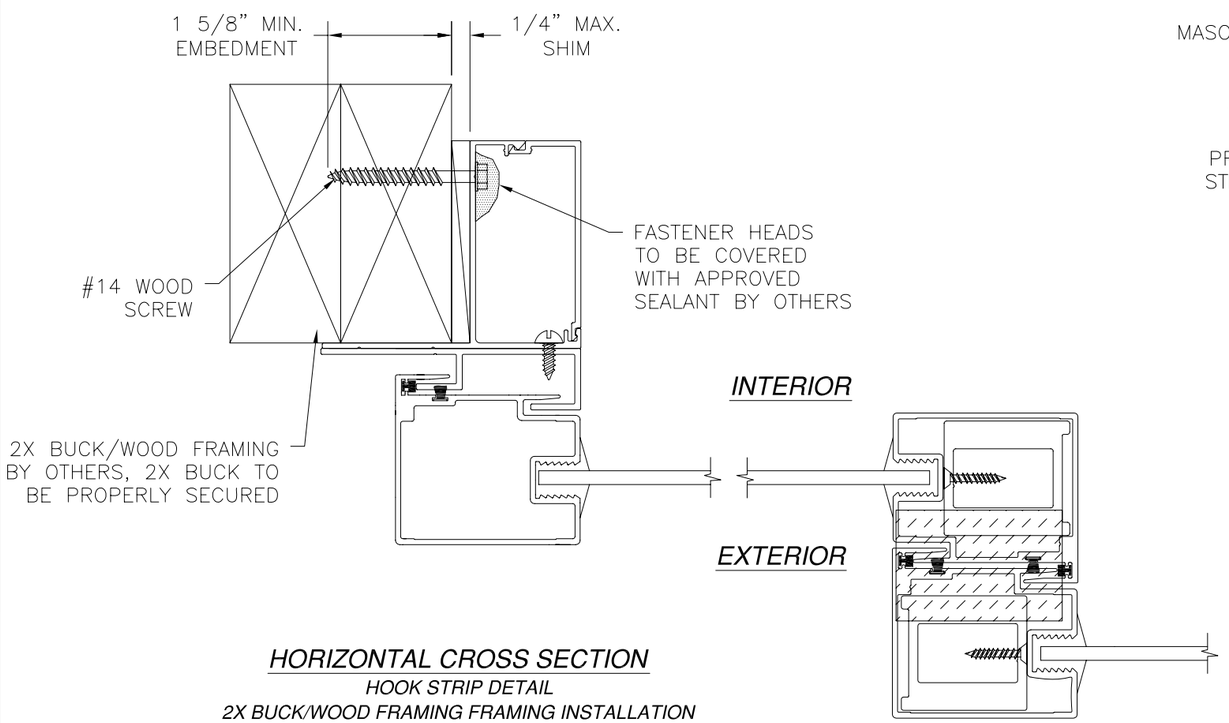


HORIZONTAL CROSS SECTION

HOOK STRIP DETAIL

WOOD BACKED 20GA. STEEL FRAMING INSTALLATION

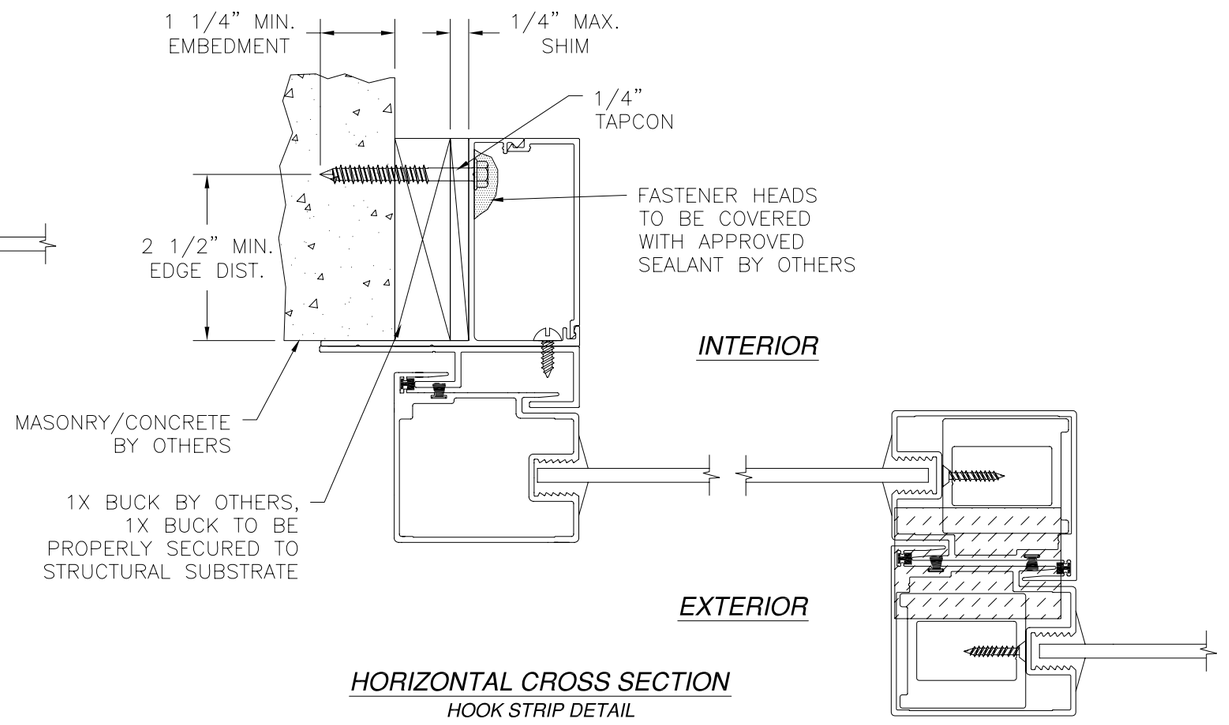


HORIZONTAL CROSS SECTION

HOOK STRIP DETAIL

2X BUCK/WOOD FRAMING FRAMING INSTALLATION

NOTE: EXTERIOR POCKET INSTALLATION IS SHOWN. INTERIOR POCKET IS ALSO APPROVED. INSTALLATION IS SIMILAR.



HORIZONTAL CROSS SECTION

HOOK STRIP DETAIL

MASONRY/CONCRETE INSTALLATION

3/4" IGU AND 1/4" SINGLE GLAZED GLASS ARE INTERCHANGEABLE AS LIMITED PER ASTM E1300.

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