


| REVISIONS | | | |
|-----------|------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | REVISED PER NEW REQUIREMENTS | 01/09/18 | R.L. |

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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 E1300-04/09, SEE SHEET 2 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 7/16" 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 1 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING TROUGH FRAME 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 .062" THICK MINIMUM

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EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

SERIES FD8100 ALUMINUM IMPACT RATED
SLIDING GLASS DOOR – 2 TRACK
NOTES

DRAWN:
V.L.

DWG NO.
08-02674

REV
A

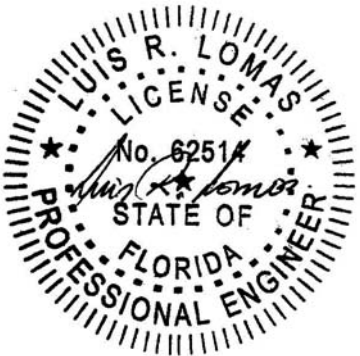
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DATE 03/30/15

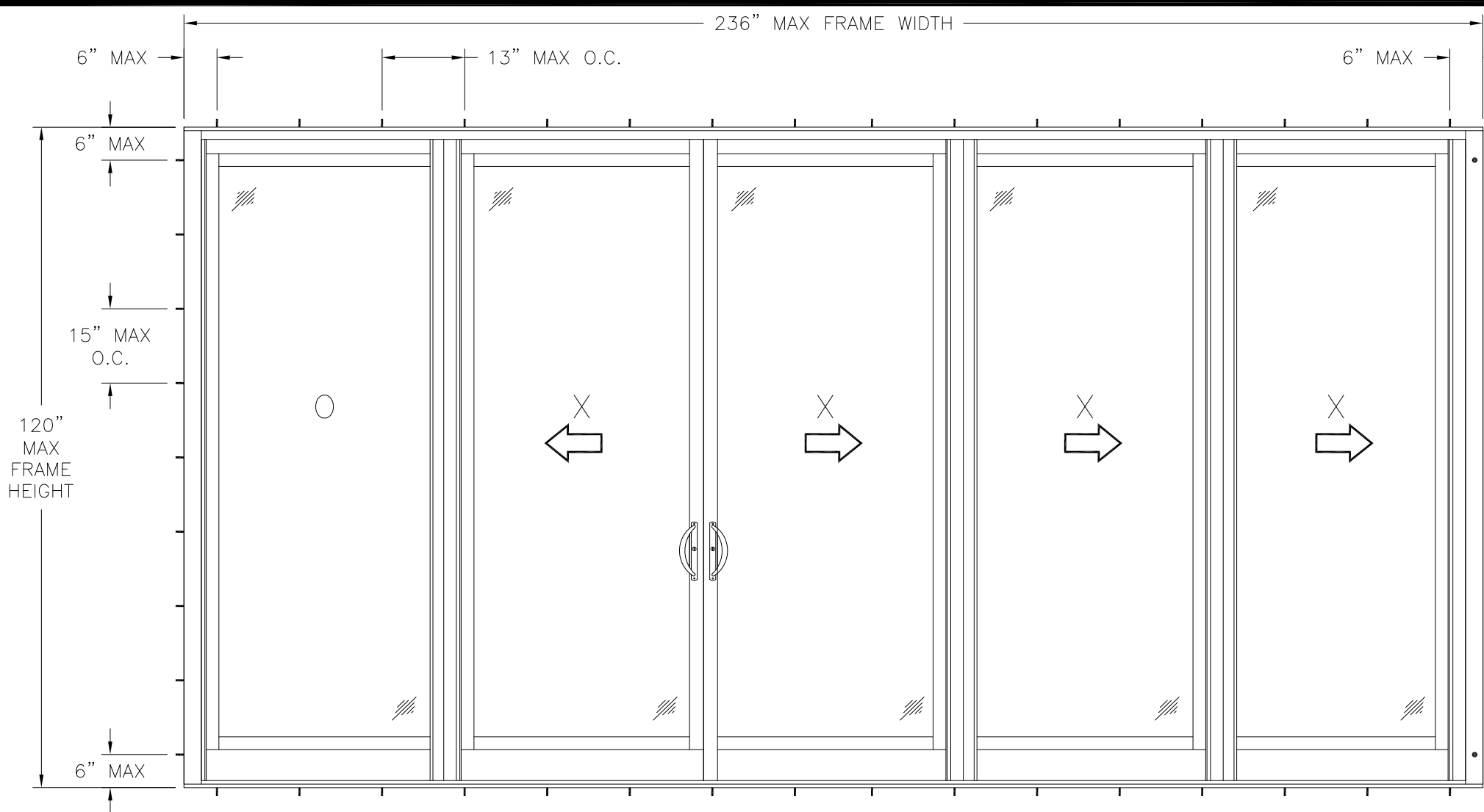
SHEET 1 OF 6

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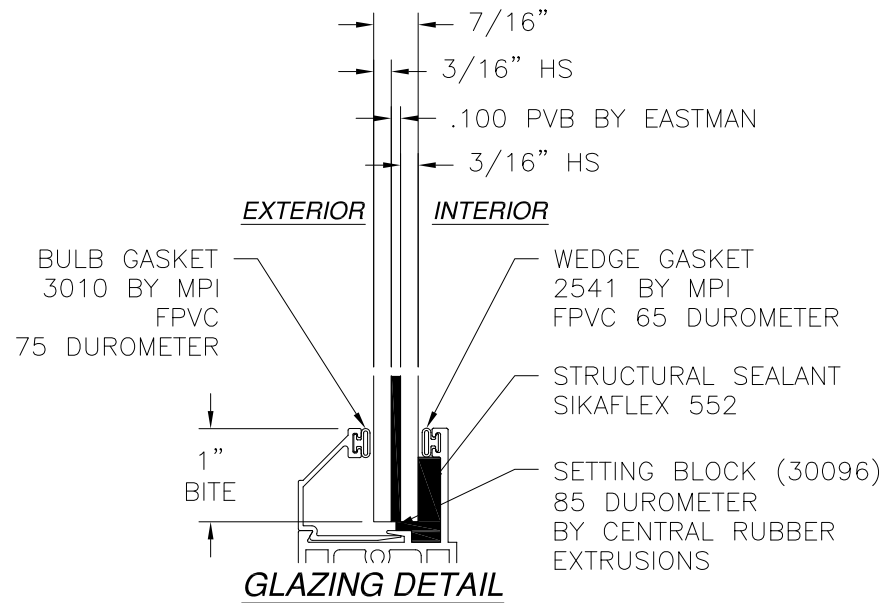
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Luis R. Lomas P.E.
FL No.: 62514



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SERIES FD8100 NI 2 TRACK ALUMINUM ALUMINUM SLIDING GLASS DOOR

EXTERIOR VIEW

UNITS UP TO 5 PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL
PANEL AREA DOES NOT EXCEED 40.56 FT²

WITH 1.675" SILL RISER

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|--------------------------------|
| +40.0/-90.0PSF | LARGE AND SMALL MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 4 & HVHZ

WITH 2.675" SILL RISER

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|--------------------------------|
| +70.0/-90.0PSF | LARGE AND SMALL MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 4 & HVHZ

WITH 3.675" SILL RISER

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|--------------------------------|
| +90.0PSF | LARGE AND SMALL MISSILE IMPACT |


MISSILE LEVEL D, WIND ZONE 4 & HVHZ

- NOTES:
- (1) 1" X 3/16" WEEP SLOT 6" FROM EACH END, AND 48" ON CENTER THROUGH VERTICAL SILL LEG EXCEPT MOST INTERIOR SILL LEG.
 - PANEL SIZE: 49 1/2" X 118"
 - D.L.O.: 40 7/8" X 109 1/4"

HARDWARE SCHEDULE

| | |
|----|--|
| A. | (1) ADJUSTABLE TANDEM WHEEL ROLLER ASSEMBLY AT EACH END OF EACH PANEL |
| B. | (2) 2-POINT MORTISE TYPE LOCKS ON LOCK STILE |
| C. | (2) MULTI-POINT KEEPERS AT ASTRAGAL |
| D. | (1) EXTRUDED ALUMINUM REINFORCEMENT TYPE H AT EACH PANEL INTERLOCK STILE |
| E. | (1) EXTRUDED ALUMINUM REINFORCEMENT "U" SHAPE AT BUTT STILE |

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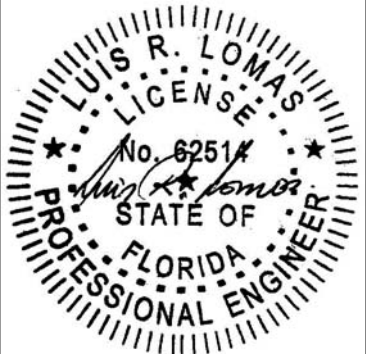


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ELEVATION

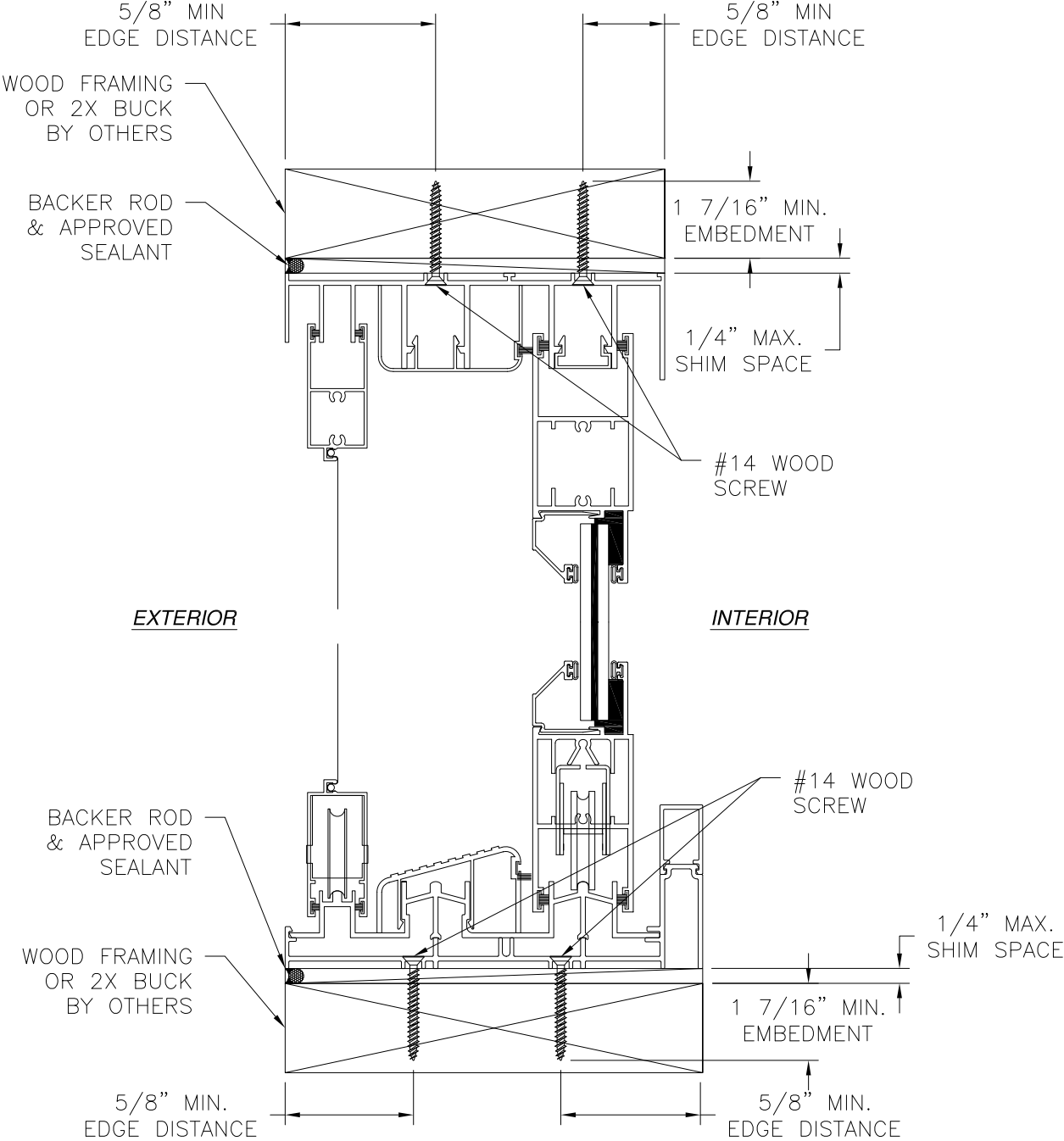
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| DRAWN: V.L. | DWG NO. 08-02674 | REV A |
| SCALE NTS | DATE 03/30/15 | SHEET 2 OF 6 |

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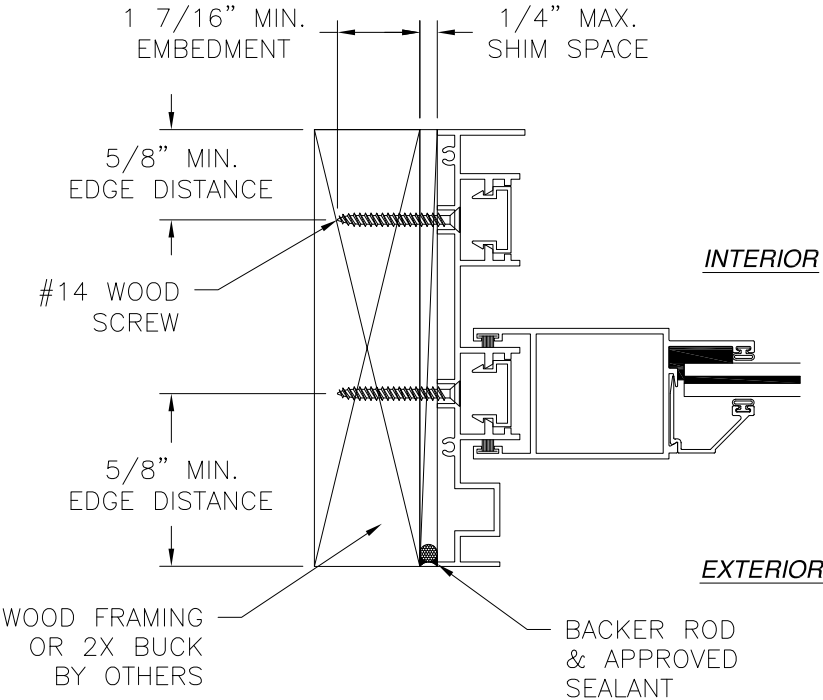


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK 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

SIGNED: 01/09/2018



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INSTALLATION DETAILS

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SHEET 3 OF 6

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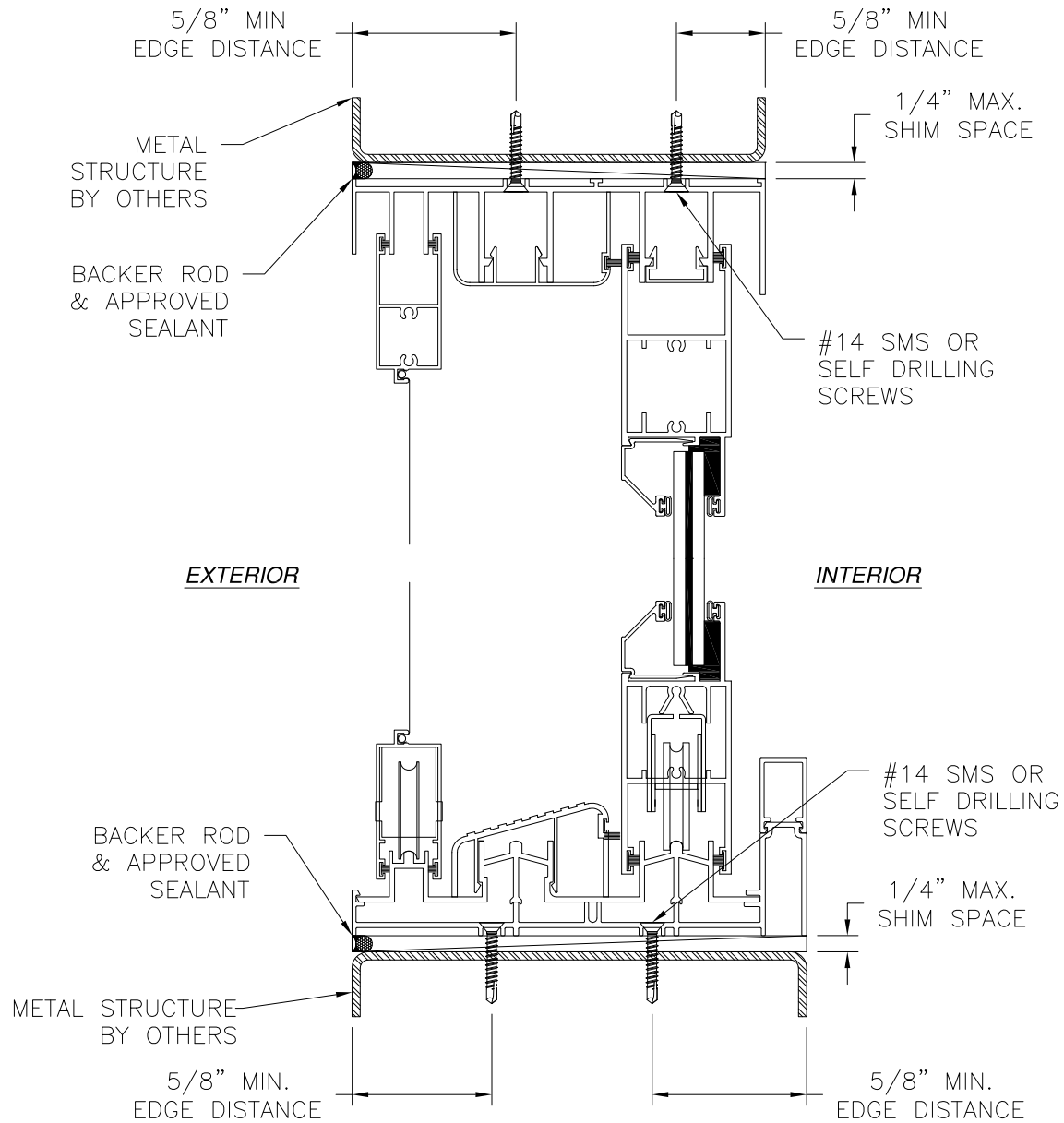
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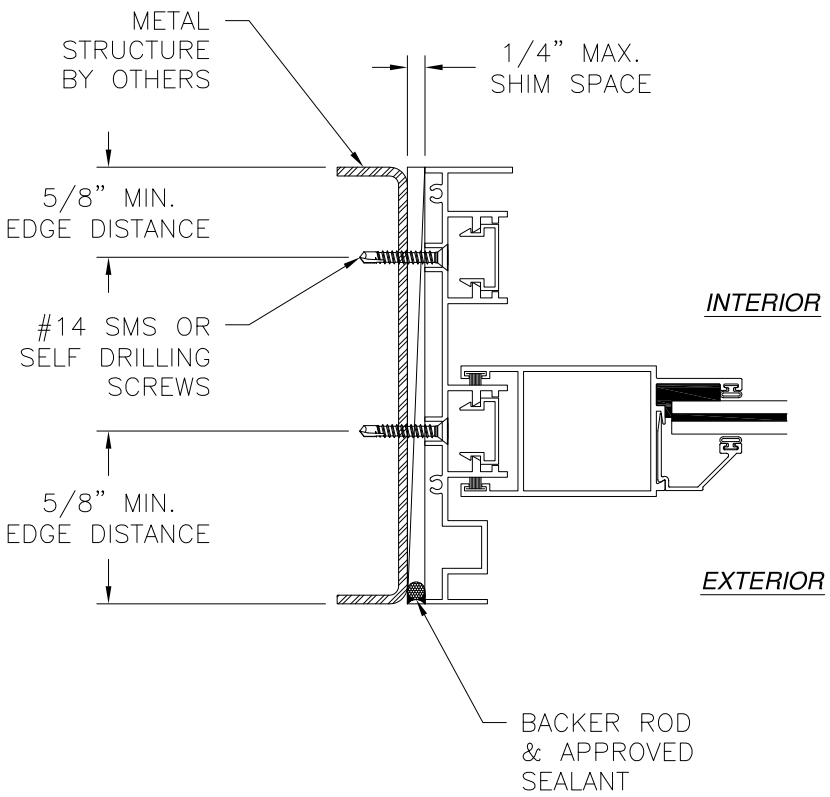


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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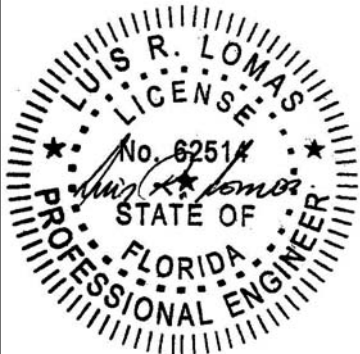
SHEET 4 OF 6

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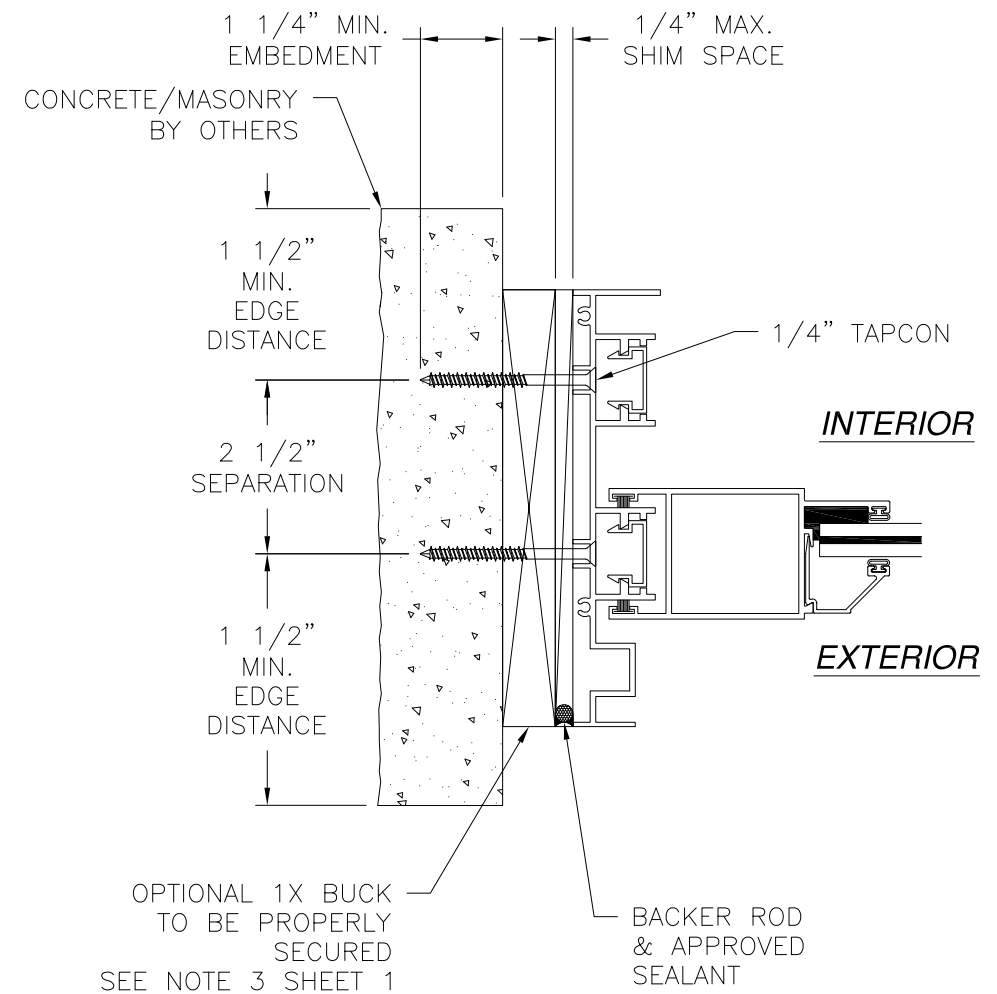
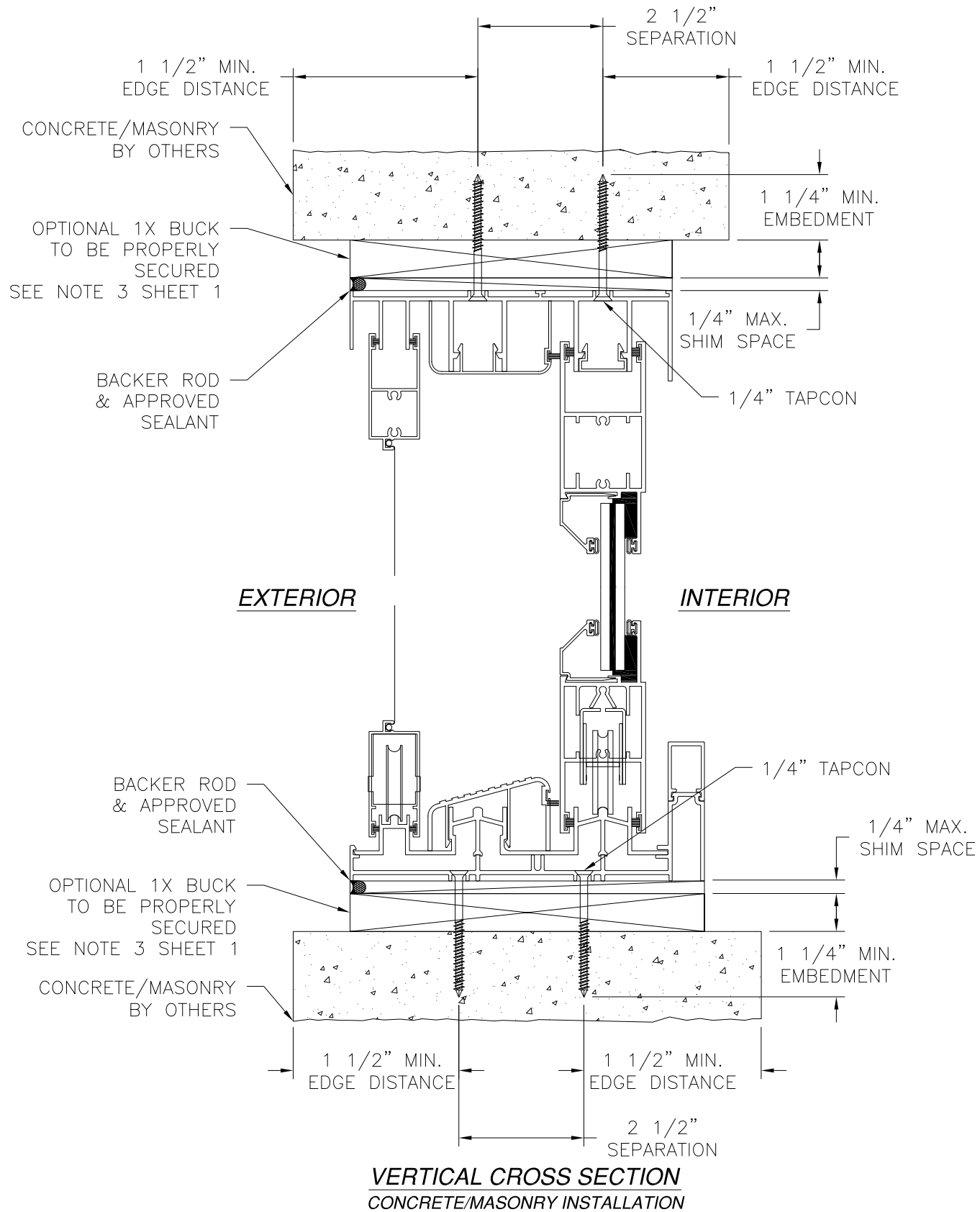
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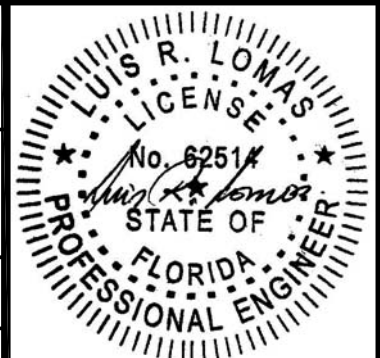
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| SERIES FD8100 ALUMINUM IMPACT RATED SLIDING GLASS DOOR – 2 TRACK INSTALLATION DETAILS | | | | | |
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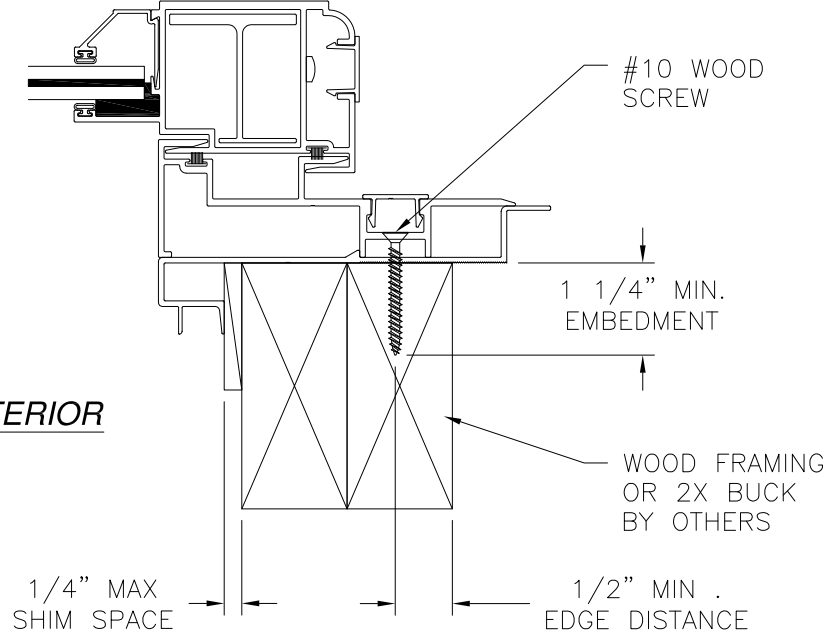
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INTERIOR

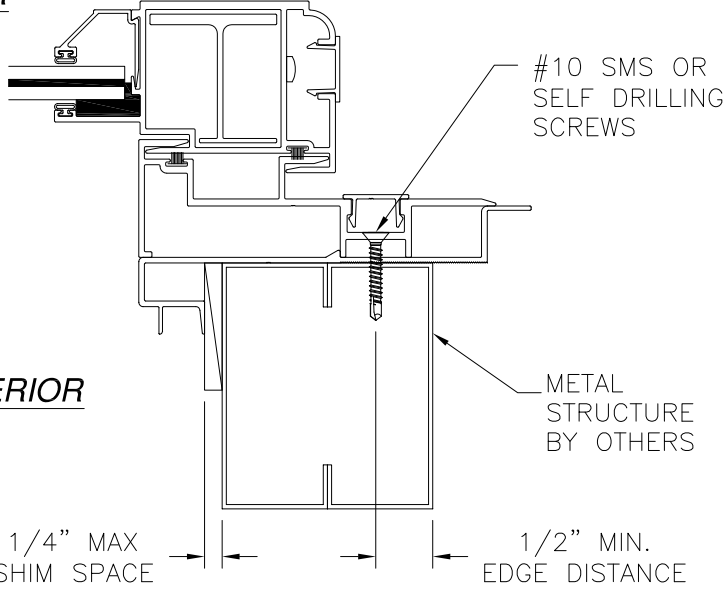
EXTERIOR



HOOK INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

INTERIOR

EXTERIOR




HOOK INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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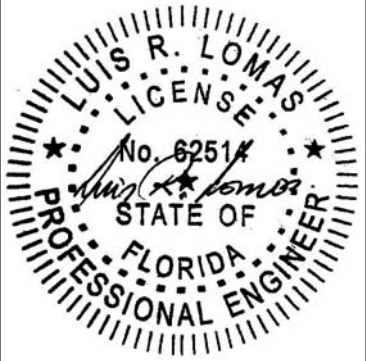
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