

WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD BI-FOLD DOORS

EXTERIOR VIEW

FOUR PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATION ARE APPROVED AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USES VERTICAL CONDITIONS AS SHOWN.

DESIGN LOAD RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

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SHEET NO.	DESCRIPTION
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CONFIGURATIONS	08/20/13	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
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: LAMINATED WOOD WITH WOOD VENEER.
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 2 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 JAMBS & SILL INTO WOOD FRAMING OR 2X BUCK USE 1/4" 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 JAMBS & SILL INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING HEAD INTO WOOD FRAMING OR 2X BUCK USE 5/16" WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. FOR ANCHORING HEAD INTO MASONRY/CONCRETE USE 5/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. 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).
15. 5/16" DIAMETER WEEP HOLES LOCATED 6" FROM EACH END OF THRESHOLD AND 12" MAX O.C. THEREAFTER.

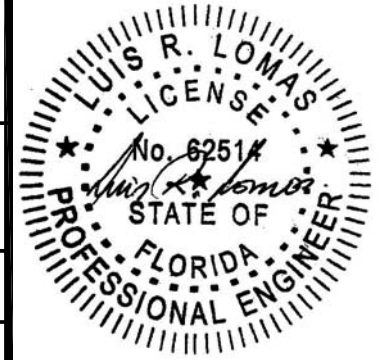
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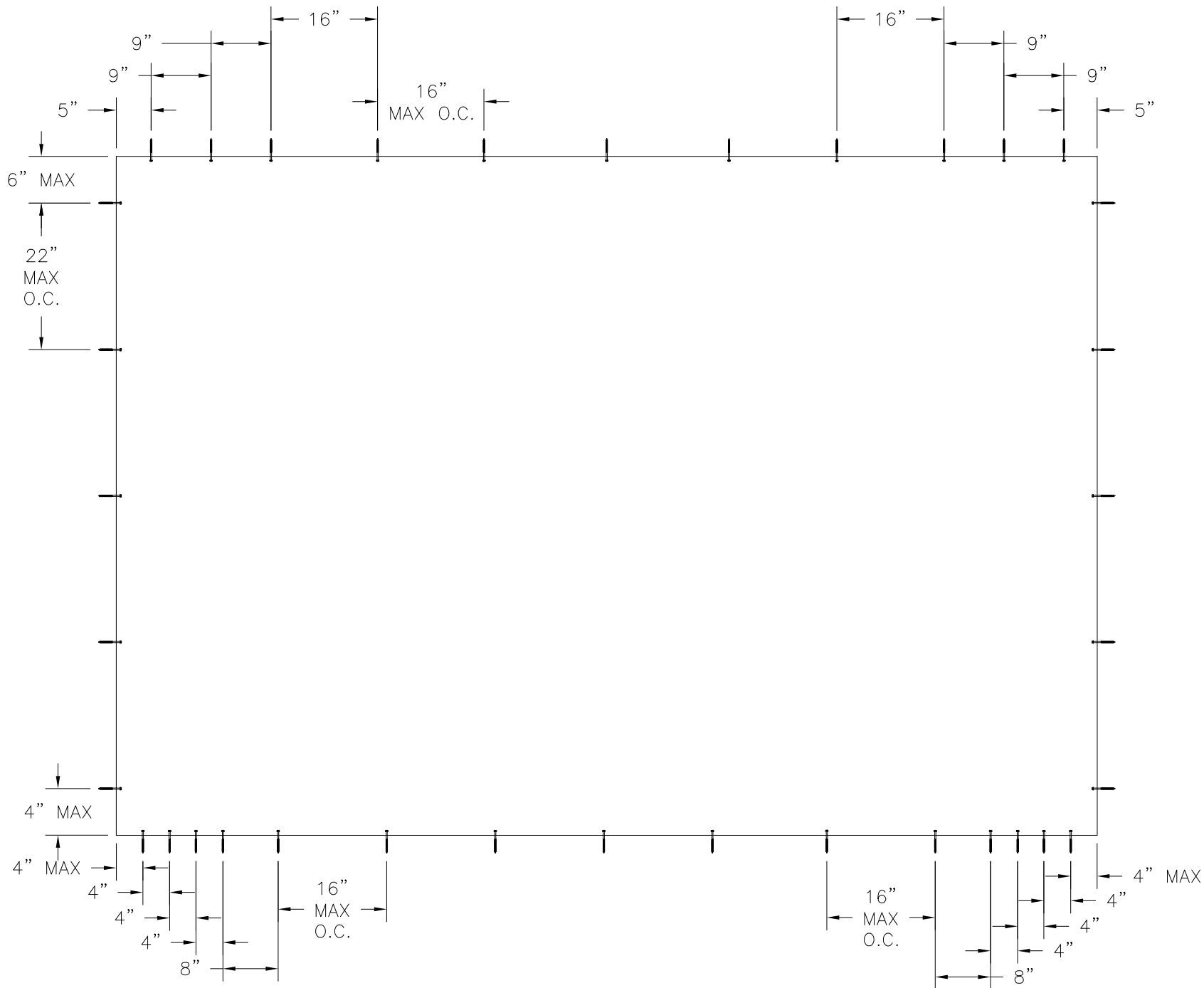
DOOR INNOVATIONS

12 PARKWAY PLACE
HOUSTON, TX 77040

**WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD
DOOR – IMPACT
ELEVATION AND NOTES**

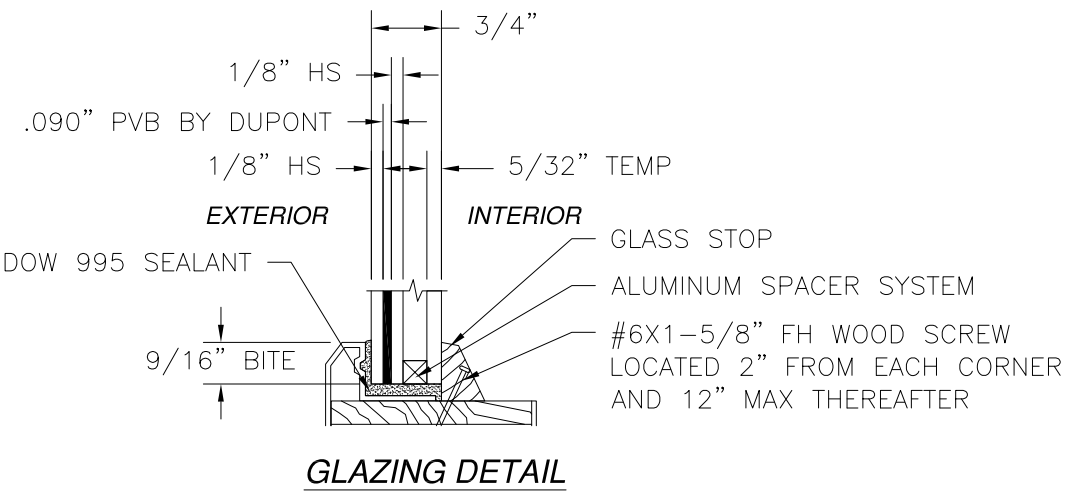
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SCALE NTS	DATE 07/03/12	SHEET 1 OF 6





WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD DOOR
4PANEL UNIT SHOWN, ANCHORING LAYOUT APPLIES TO ALL APPROVED CONFIGURATIONS

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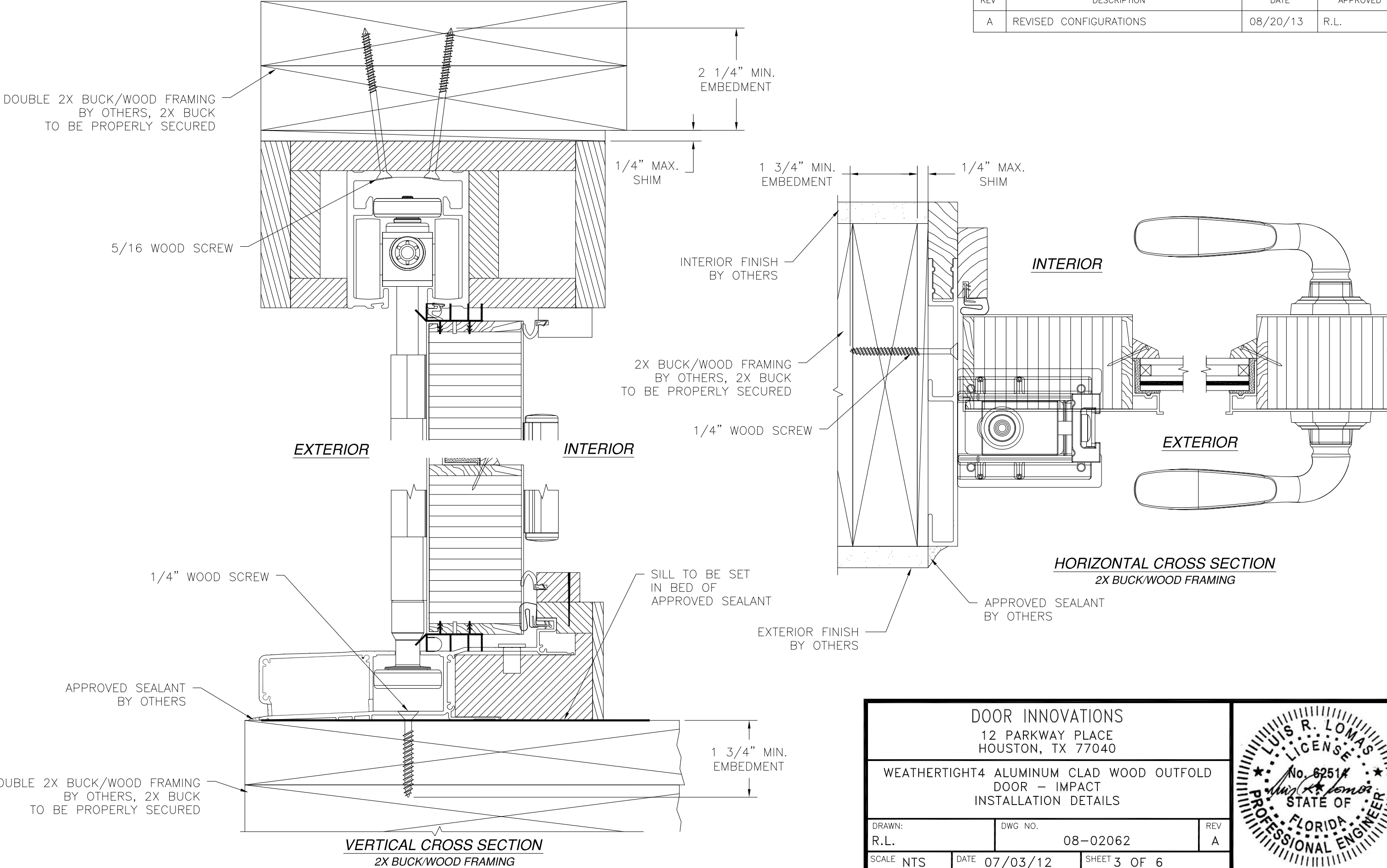


<u>HARDWARE SCHEDULE</u>
A. (4) BARREL HINGES BY CENTOR ARCHITECTURAL
B. HEAD CARRIER BY CENTOR ARCHITECTURAL
C. THRESHOLD CARRIER BY CENTOR ARCHITECTURAL
D. 24" UPPER FLUSH BOLT BY CENTOR ARCHITECTURAL
E. 8" LOWER FLUSH BOLT BY CENTOR ARCHITECTURAL
F. EAGLE SERIES MULTI-POINT LOCKING HARDWARE BY G-U

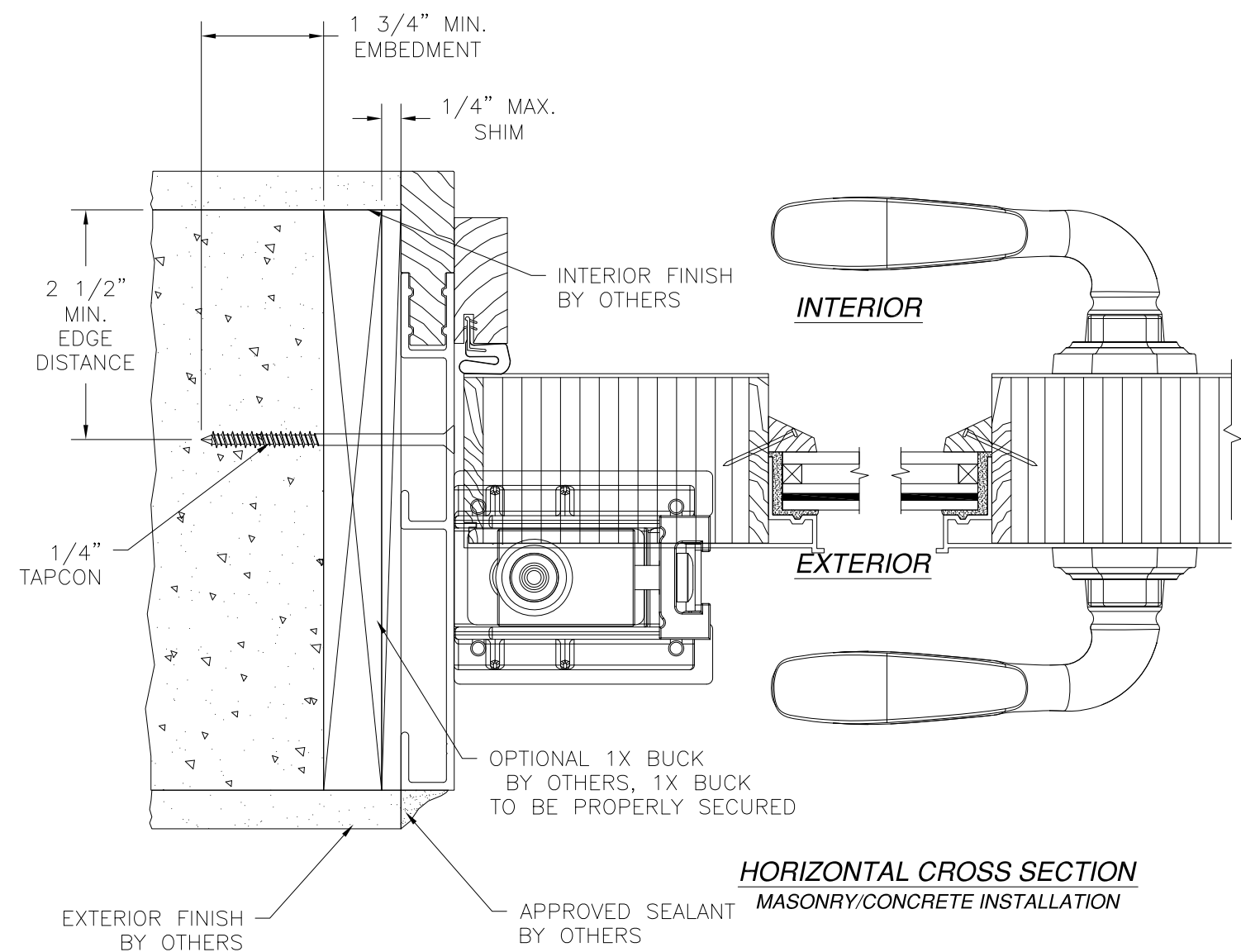
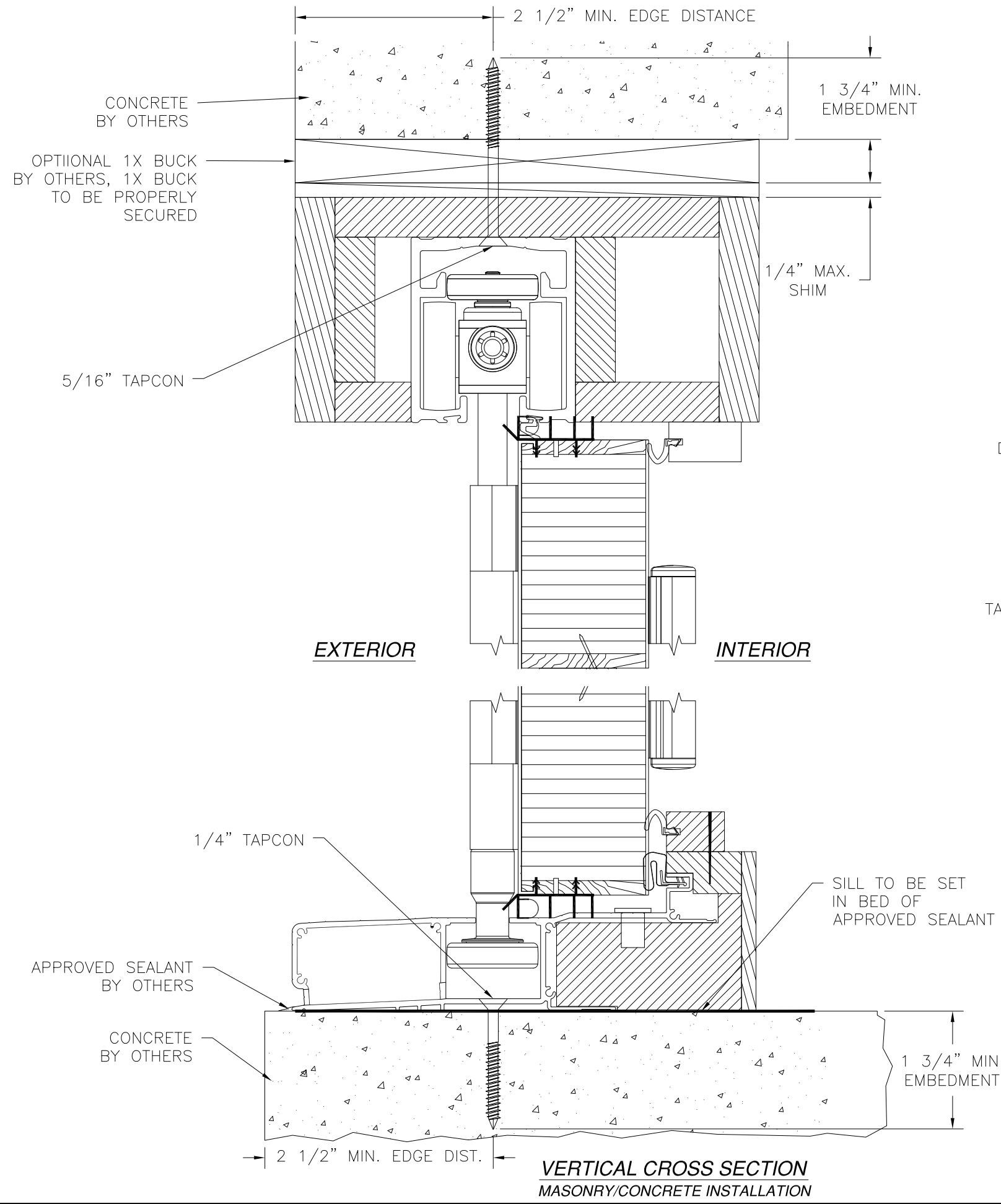
DOOR INNOVATIONS 12 PARKWAY PLACE HOUSTON, TX 77040		
WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD DOOR – IMPACT ANCHORING LAYOUT, NOTES AND HARDWARE		
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WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD
DOOR – IMPACT
INSTALLATION DETAILS

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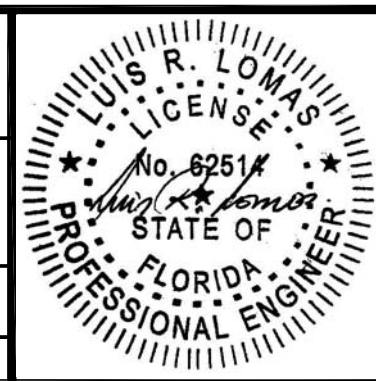
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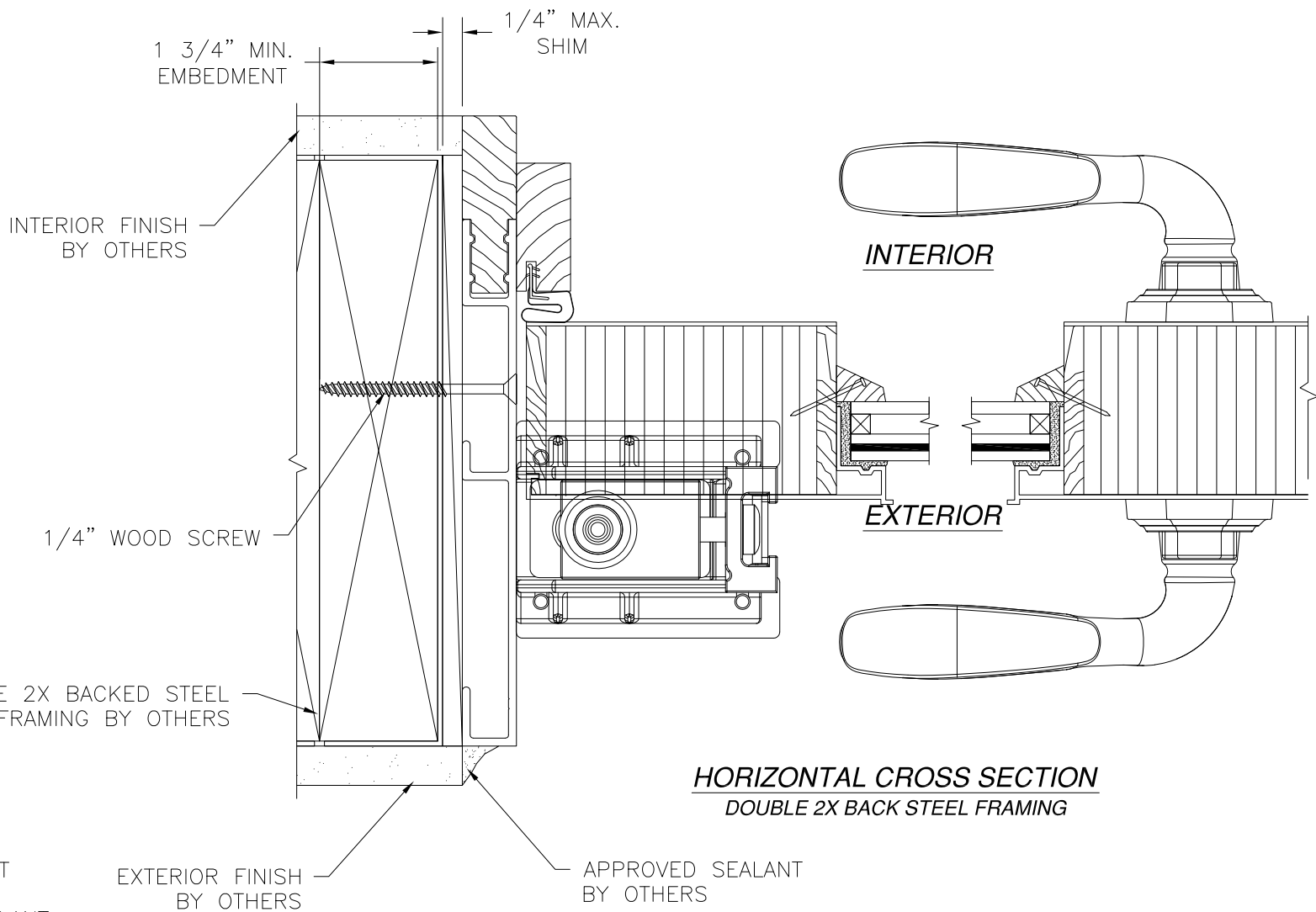
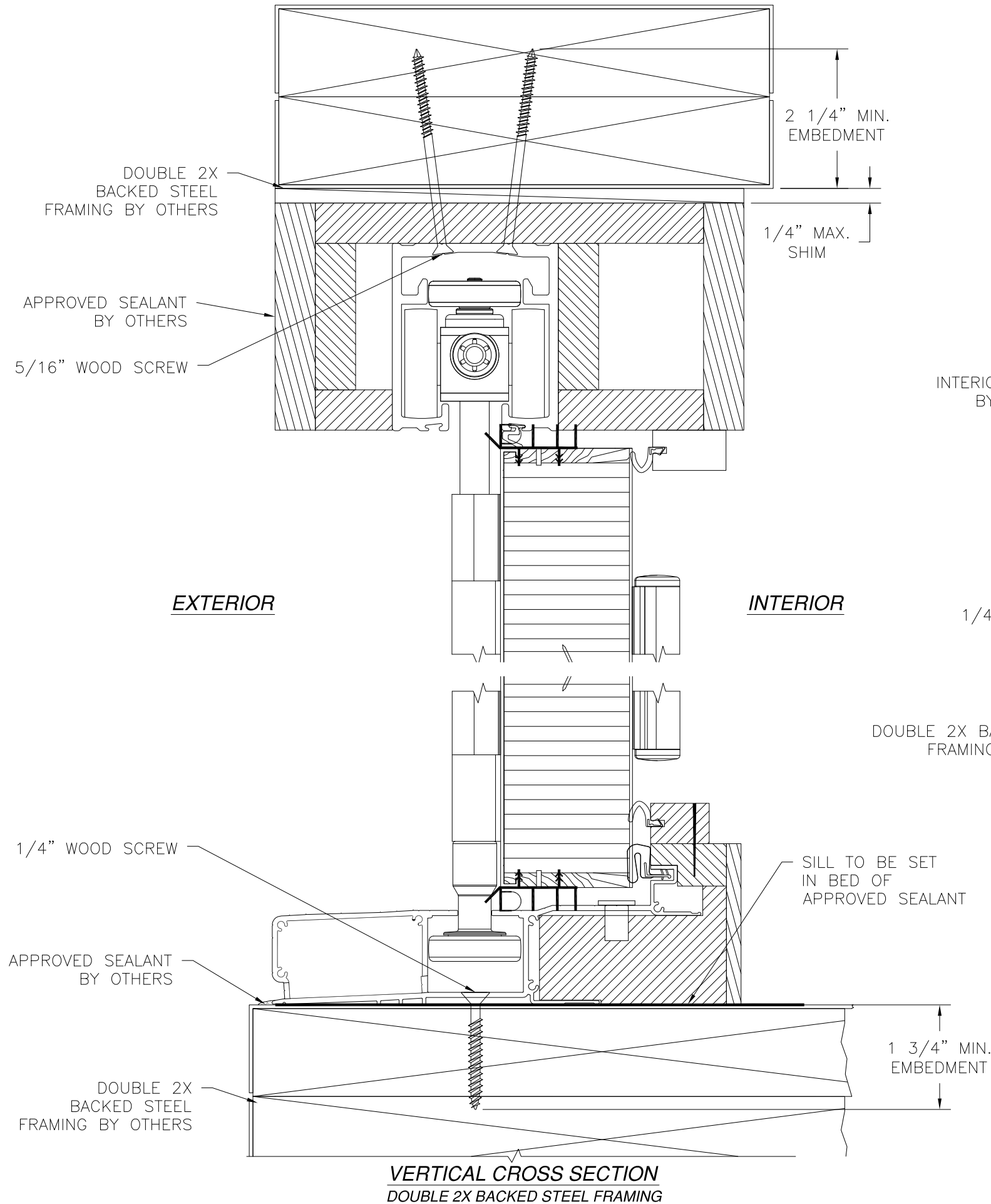
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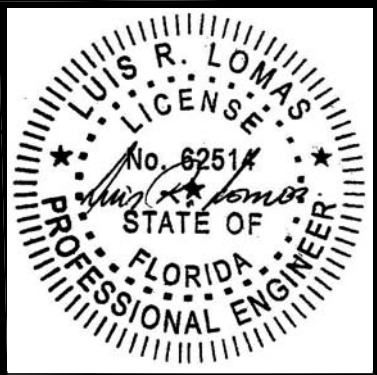
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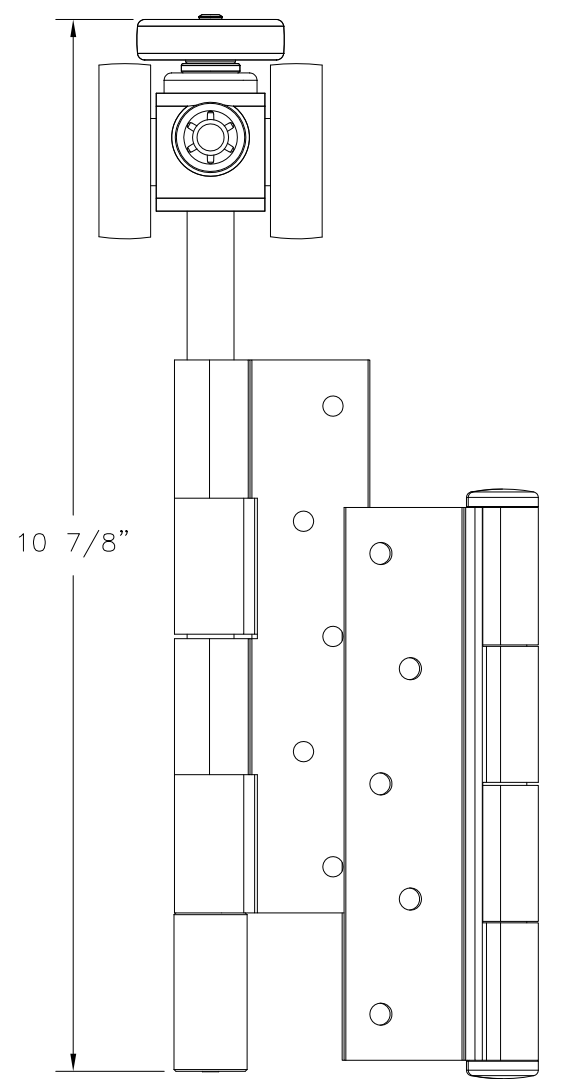
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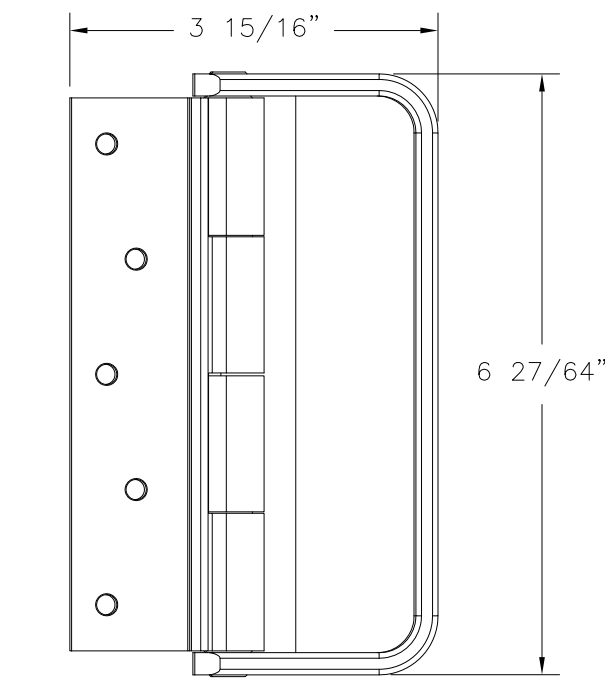
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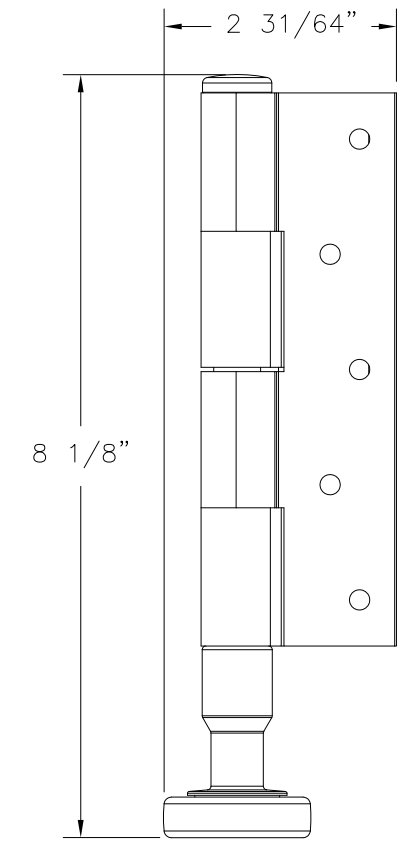




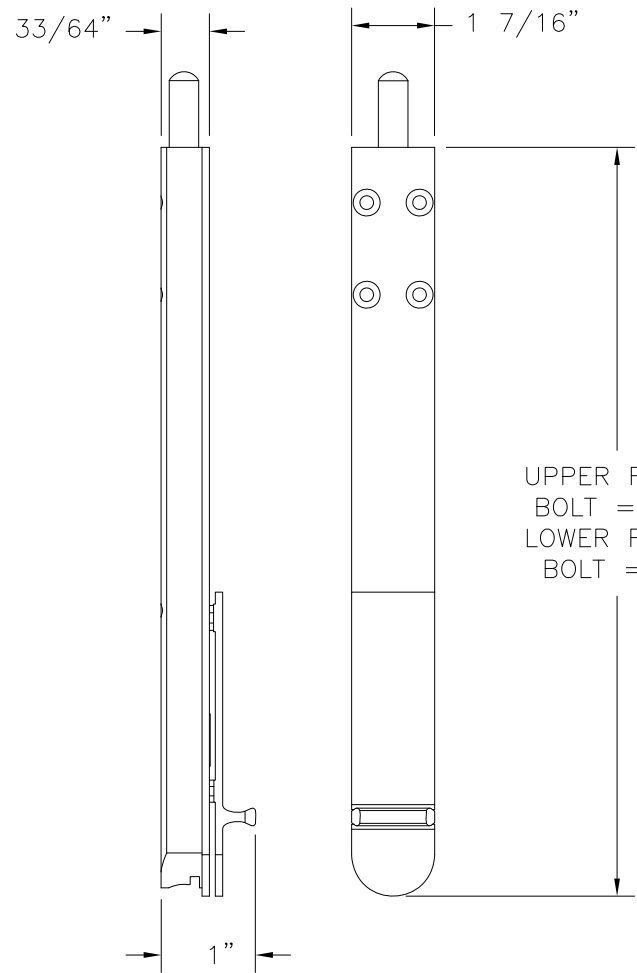
TOP HINGE W/ HEAD CARRIER ASSEMBLY



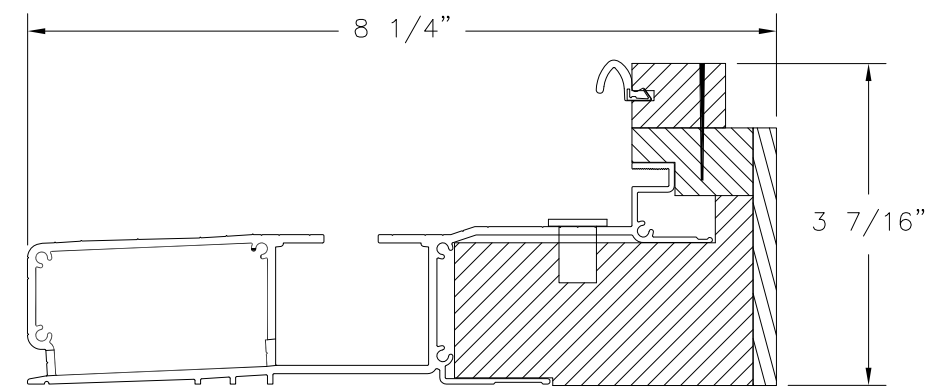
CENTER HINGE ASSEMBLY



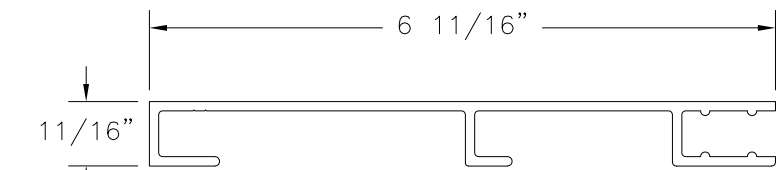
BOTTOM HINGE W/ THRESHOLD CARRIER ASSEMBLY



UPPER AND LOWER FLUSH BOLT

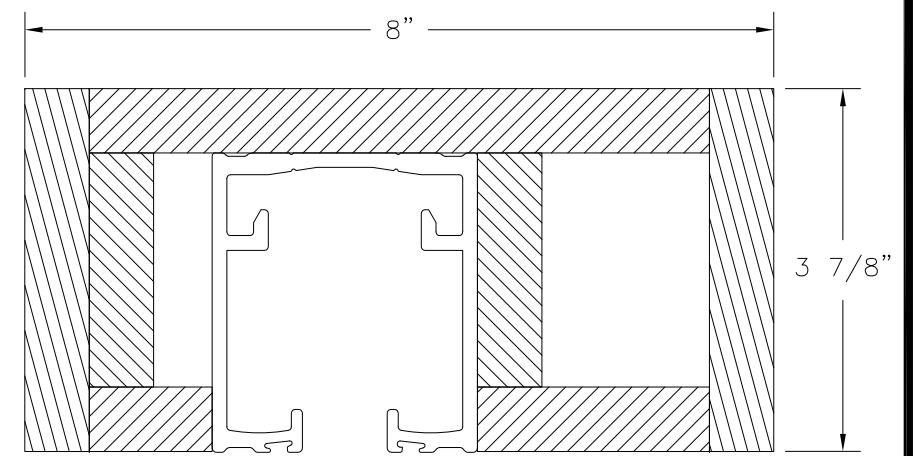


SILL ALUMINUM 6063-T5 .100" THICK

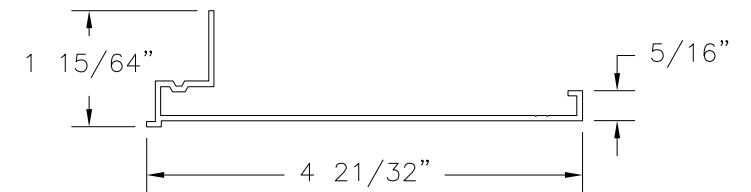


DI JAMB ALUMINUM 6063-T5 .100" THICK

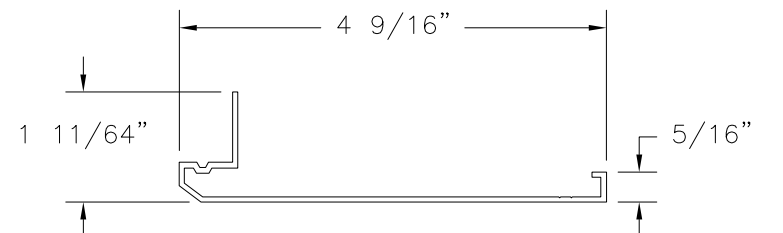
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HEAD ALUMINUM 6063-T5 .160" THICK



VERTICAL RAIL ALUMINUM 6063-T5 .055" THICK



HORIZONTAL RAIL ALUMINUM 6063-T5 .055" THICK

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SHEET 6 OF 6

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER