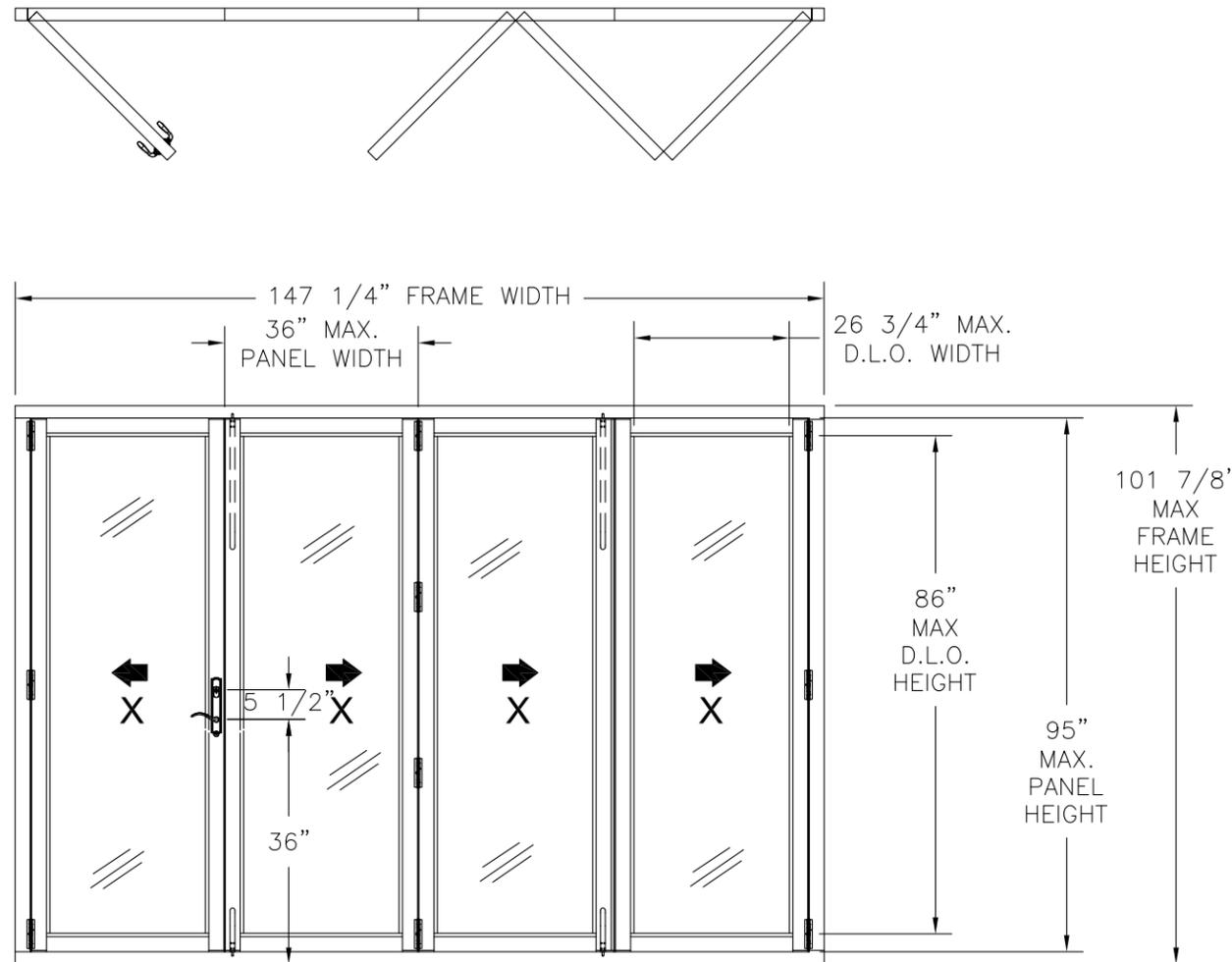


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED HARDWARE ELEVATION	12/09/15	R.L.



WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD BI-FOLD DOORS
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC, 2006 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: LAMINATED WOOD WITH WOOD VENEER.
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 3 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 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 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. 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).
13. 5/16" DIAMETER WEEP HOLES LOCATED 6" FROM EACH END OF THRESHOLD AND 12" MAX O.C. THEREAFTER.

TABLE OF CONTENTS

SHEET NO.	DESCRIPTION
1	ELEVATION AND NOTES
2	HARDWARE ELEVATION
3	ANCHORING LAYOUT, NOTES AND HARDWARE
4 – 6	INSTALLATION DETAILS
7	COMPONENTS

DOOR INNOVATIONS
12 PARKWAY PLACE
HOUSTON, TX 77040

WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD
DOOR – IMPACT
ELEVATION AND NOTES

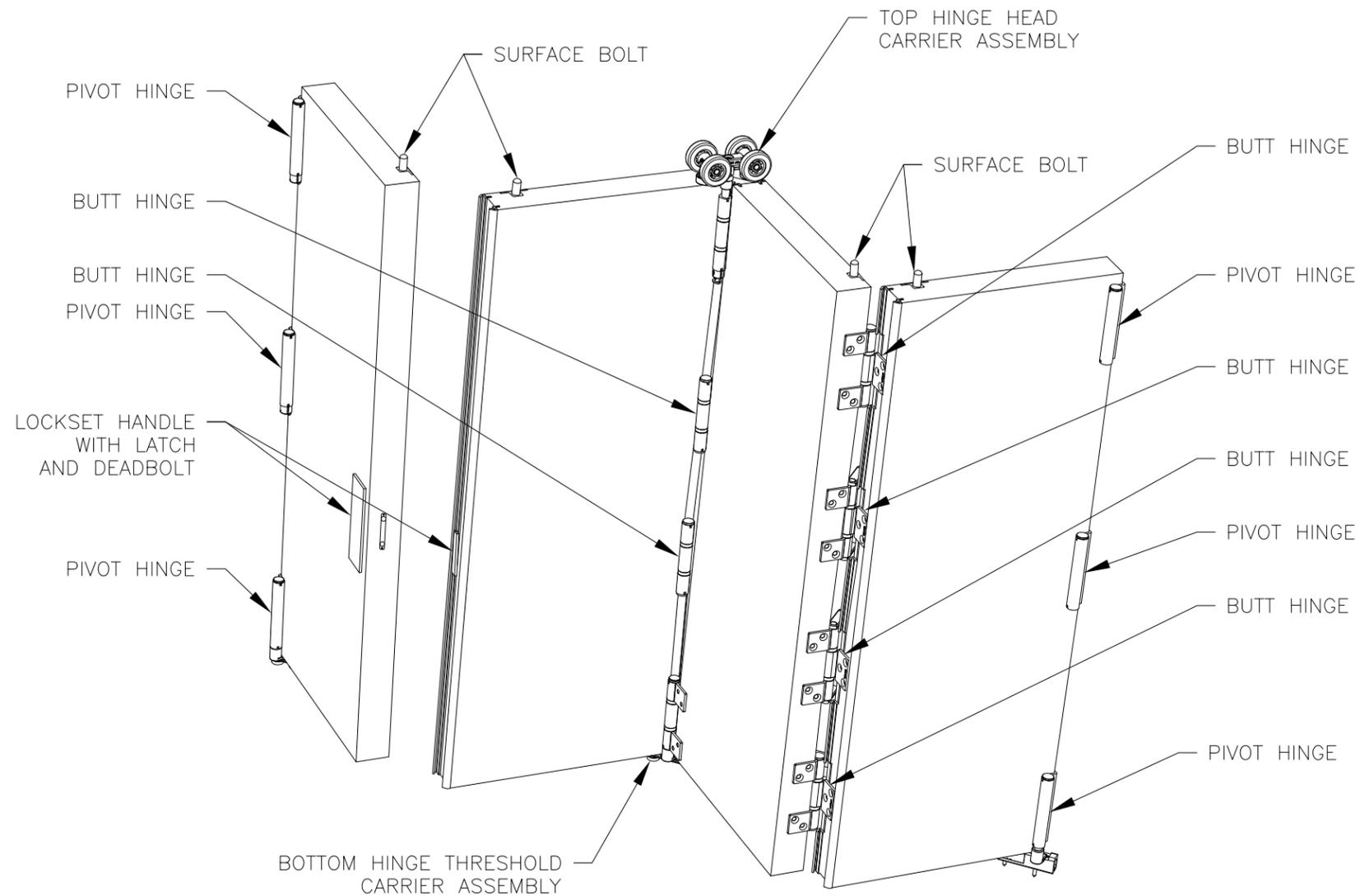
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SCALE NTS	DATE 06/17/13	SHEET 1 OF 7

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

REVISIONS			
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NOTES:

1. SURFACE BOLT STRIKES TO BE INSTALLED AT HEAD FRAME AND THRESHOLD USING (2) #9 WOOD SCREWS.
2. LOCKSET LATCH AND DEADBOLT TO BE INSTALLED INTO DOOR PANEL USING (2) #10 X 5/8" WOOD SCREWS.
3. LATCH AND DEADBOLT STRIKE PLATE TO BE INSTALLED INTO DOOR OR JAMB USING (3) #8 X 3/4" WOOD SCREWS.

WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD BI-FOLD DOORS
HARDWARE ELEVATION

SIGNED: 12/10/2015

HARDWARE SCHEDULE

A.	(8) SURFACE BOLTS BY CENTOR LOCATED AT PANEL INTERIOR TOP AND BOTTOM RAILS
B.	(6) PIVOT HINGES BY CENTOR AT 3", 35" AND 92" FROM BOTTOM OF PANELS
C.	(2) BUTT HINGES BY CENTOR AT 36" AND 64" FROM BOTTOM OF PANEL WITH CARRIER ASSEMBLIES
D.	(4) BUTT HINGES BY CENTOR AT 5", 36", 64" AND 90" FROM BOTTOM OF PANELS WITHOUT CARRIER ASSEMBLIES
E.	(1) HEAD CARRIER ASSEMBLY BY CENTOR
F.	(1) THRESHOLD CARRIED ASSEMBLY BY CENTOR
G.	(1) LOCKSET WITH LATCH AND DEADBOLT AT 36" FROM BOTTOM OF PANEL

DOOR INNOVATIONS

12 PARKWAY PLACE
HOUSTON, TX 77040

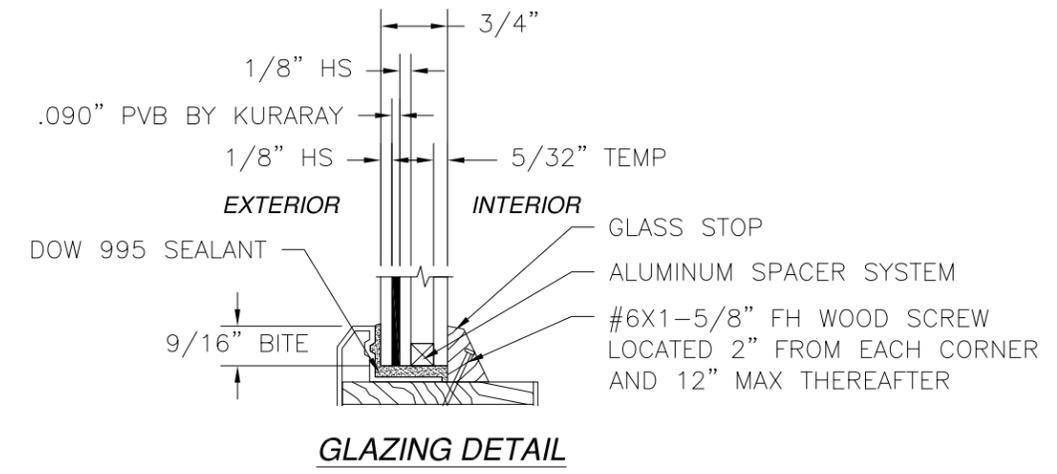
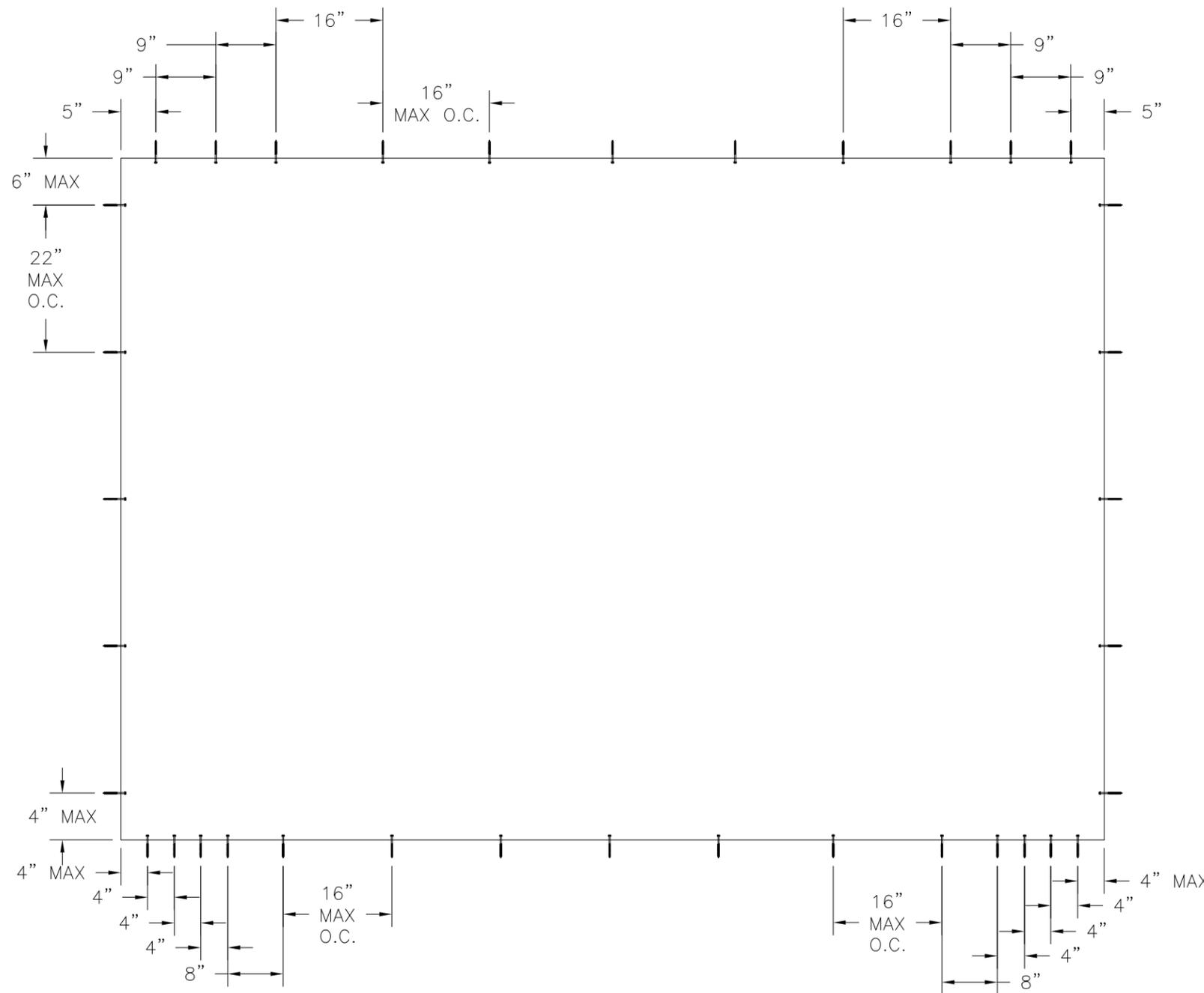
WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD
DOOR - IMPACT
HARDWARE ELEVATION

DRAWN: V.L.	DWG NO. 08-02065	REV A
SCALE NTS	DATE 06/17/13	SHEET 2 OF 7



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

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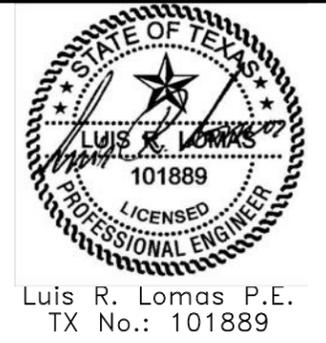
WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD DOOR
 4PANEL UNIT SHOWN, ANCHORING LAYOUT APPLIES TO ALL APPROVED CONFIGURATIONS

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DOOR INNOVATIONS
 12 PARKWAY PLACE
 HOUSTON, TX 77040

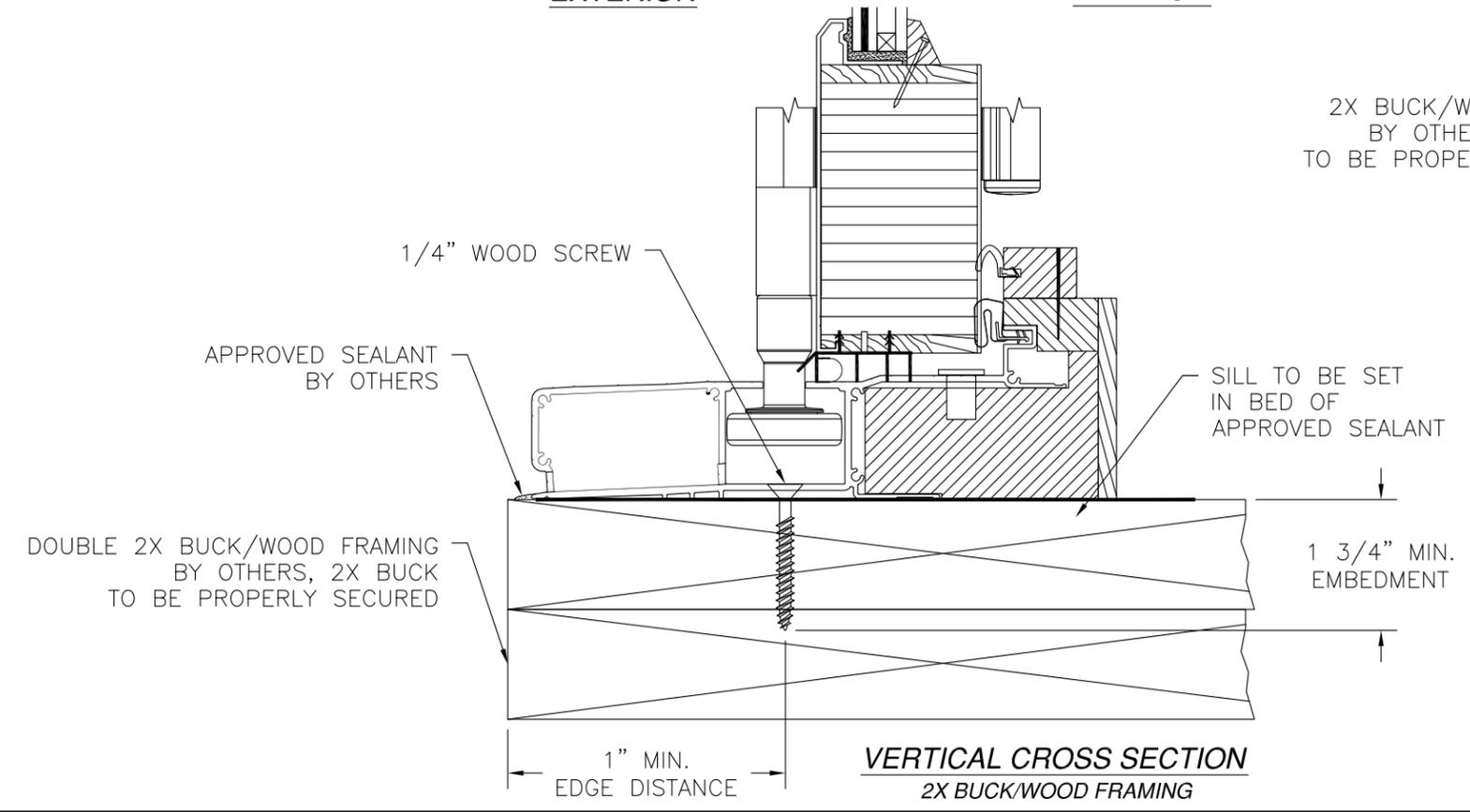
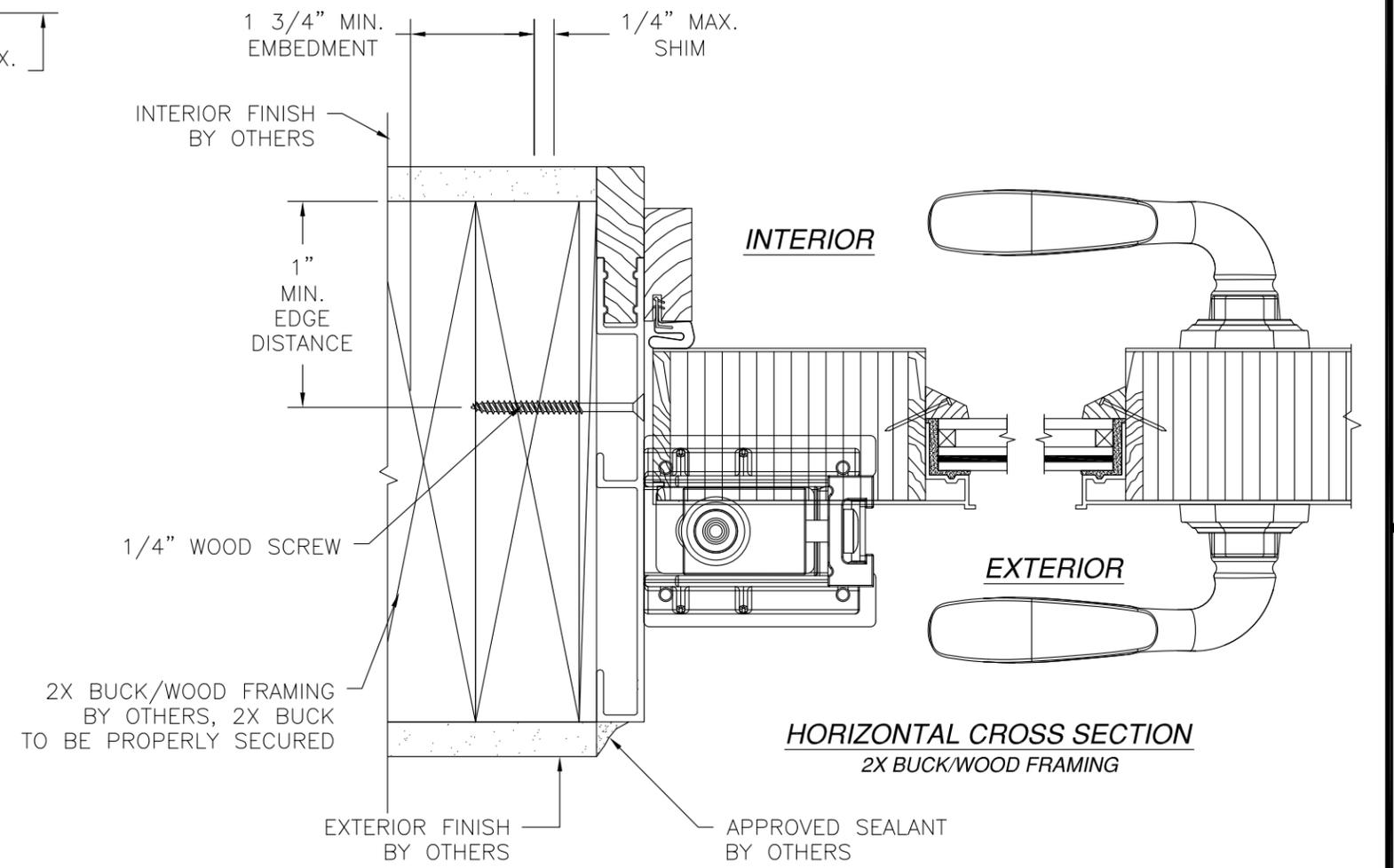
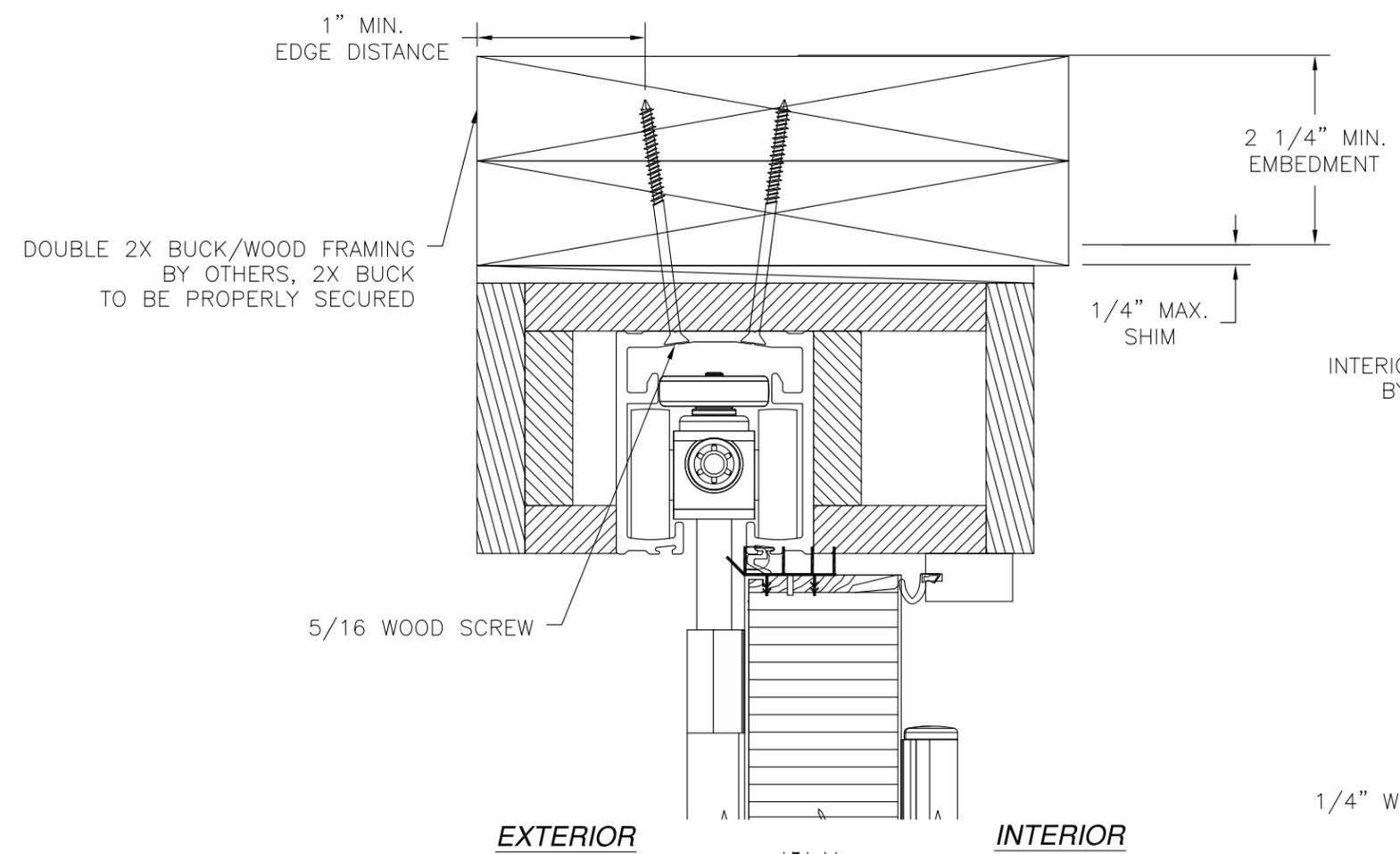
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 DOOR - IMPACT
 ANCHORING LAYOUT, NOTES AND HARDWARE

DRAWN: V.L.	DWG NO. 08-02065	REV A
SCALE NTS	DATE 06/17/13	SHEET 3 OF 7



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

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DOOR INNOVATIONS
12 PARKWAY PLACE
HOUSTON, TX 77040

WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD DOOR - IMPACT INSTALLATION DETAILS

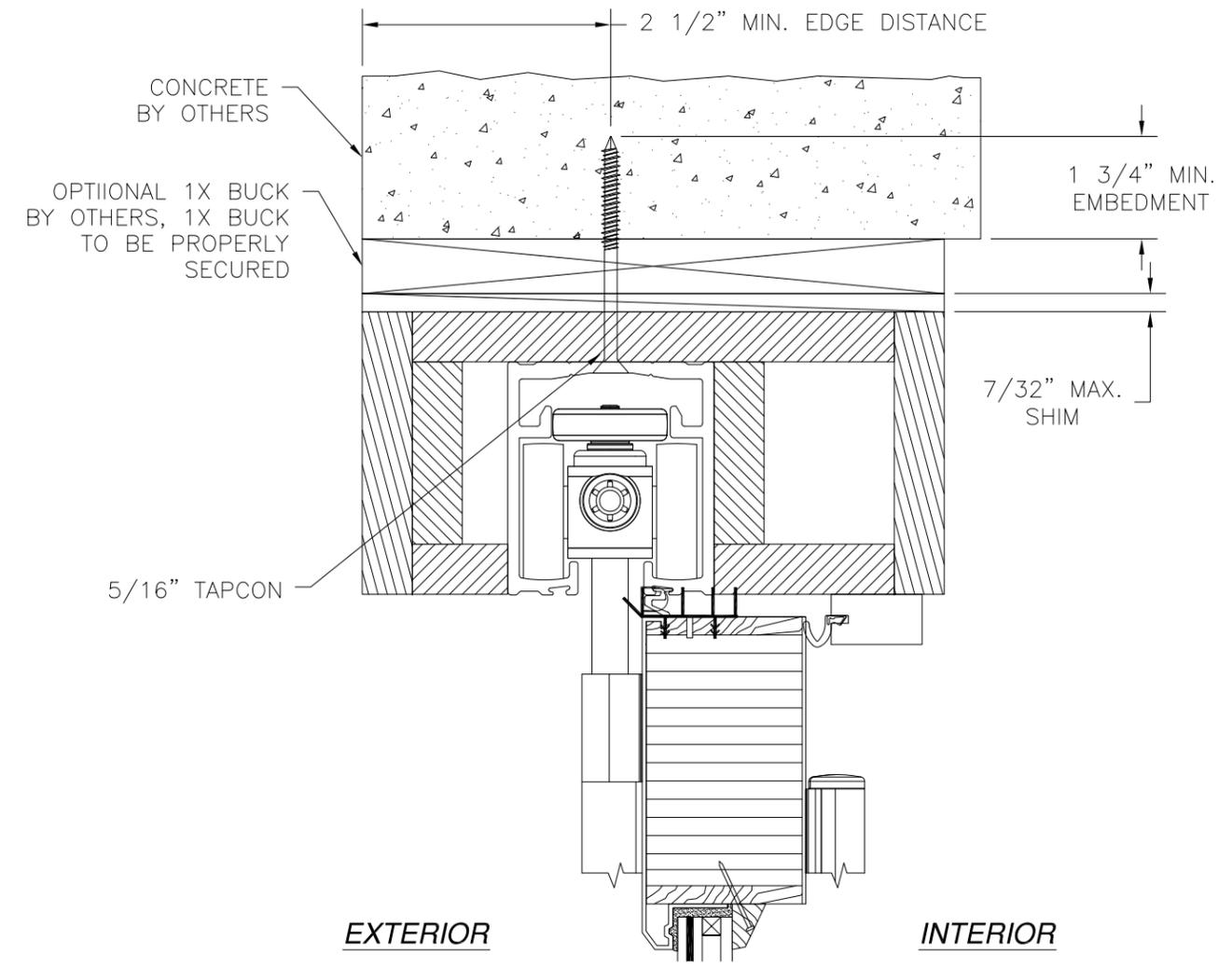
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SCALE NTS	DATE 06/17/13	SHEET 4 OF 7

SIGNED: 12/10/2015

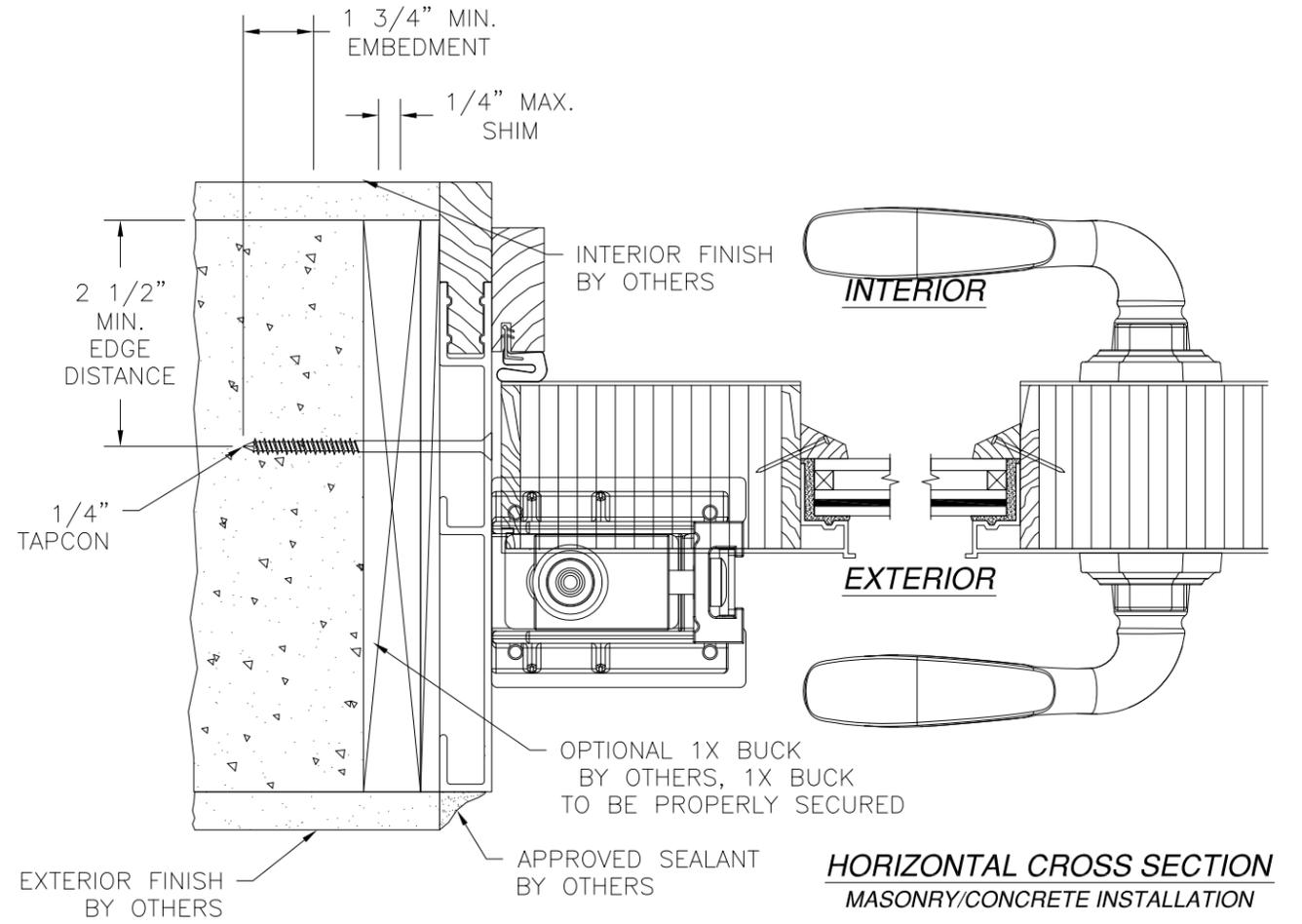


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TX No.: 101889

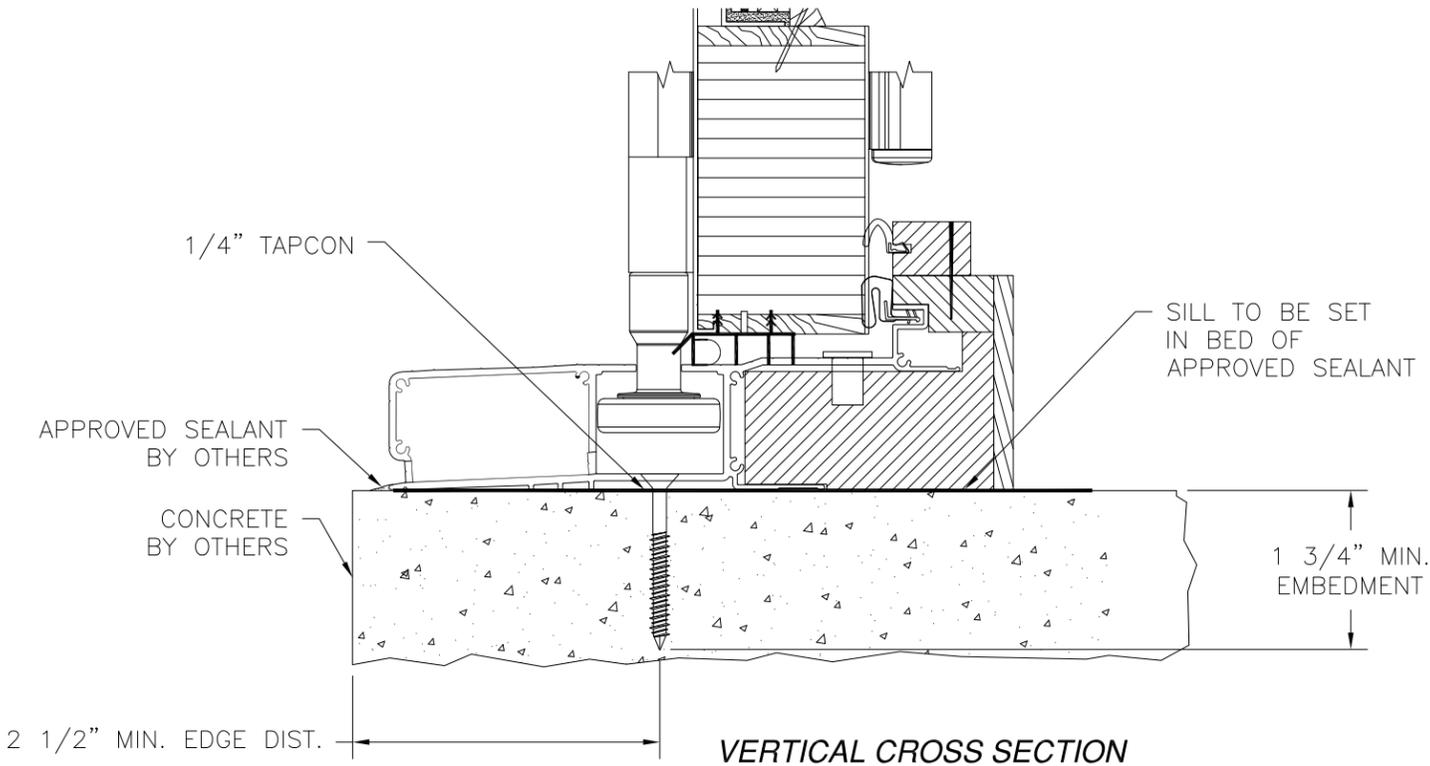
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VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



DOOR INNOVATIONS
12 PARKWAY PLACE
HOUSTON, TX 77040

WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD DOOR – IMPACT INSTALLATION DETAILS

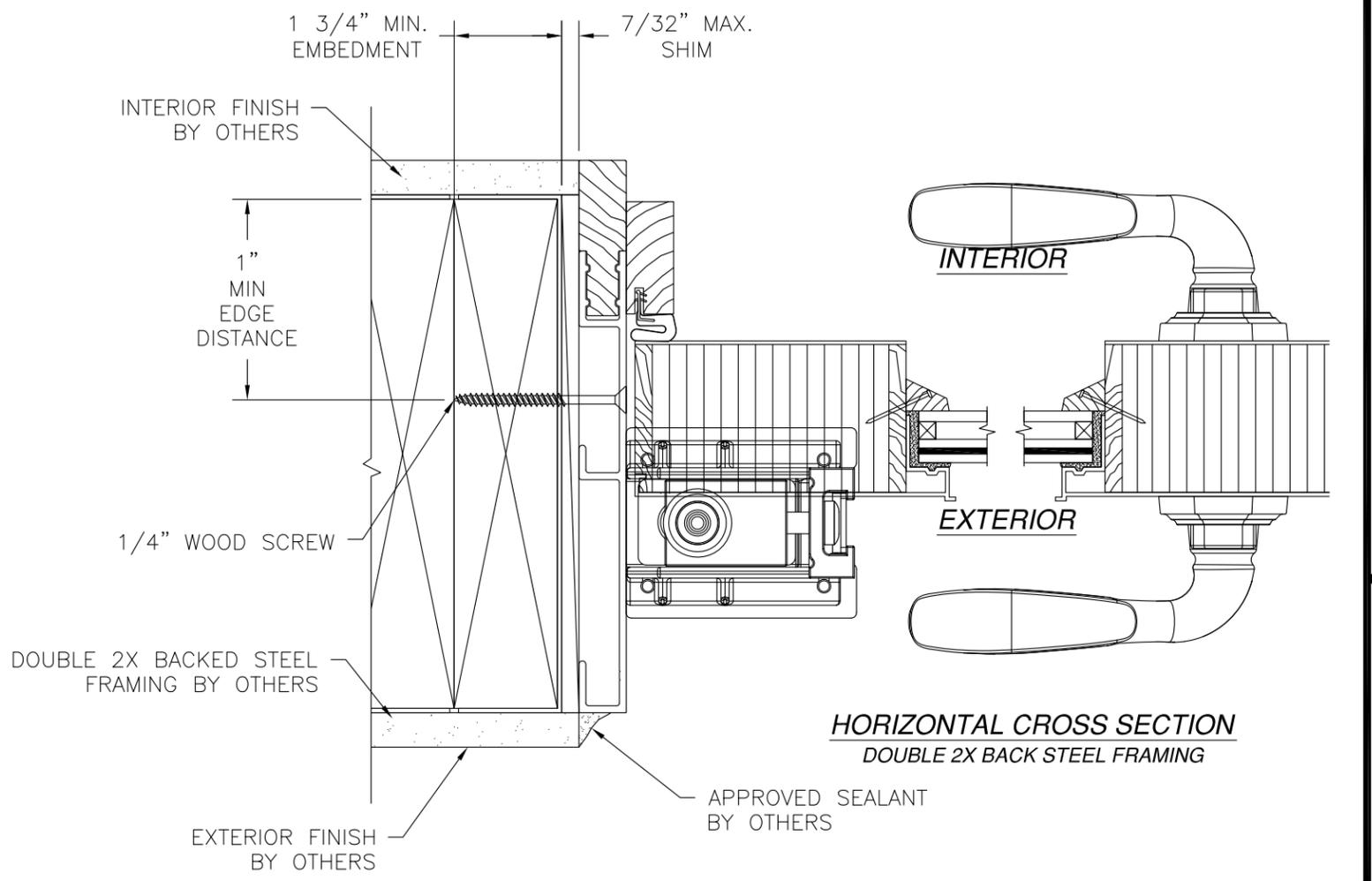
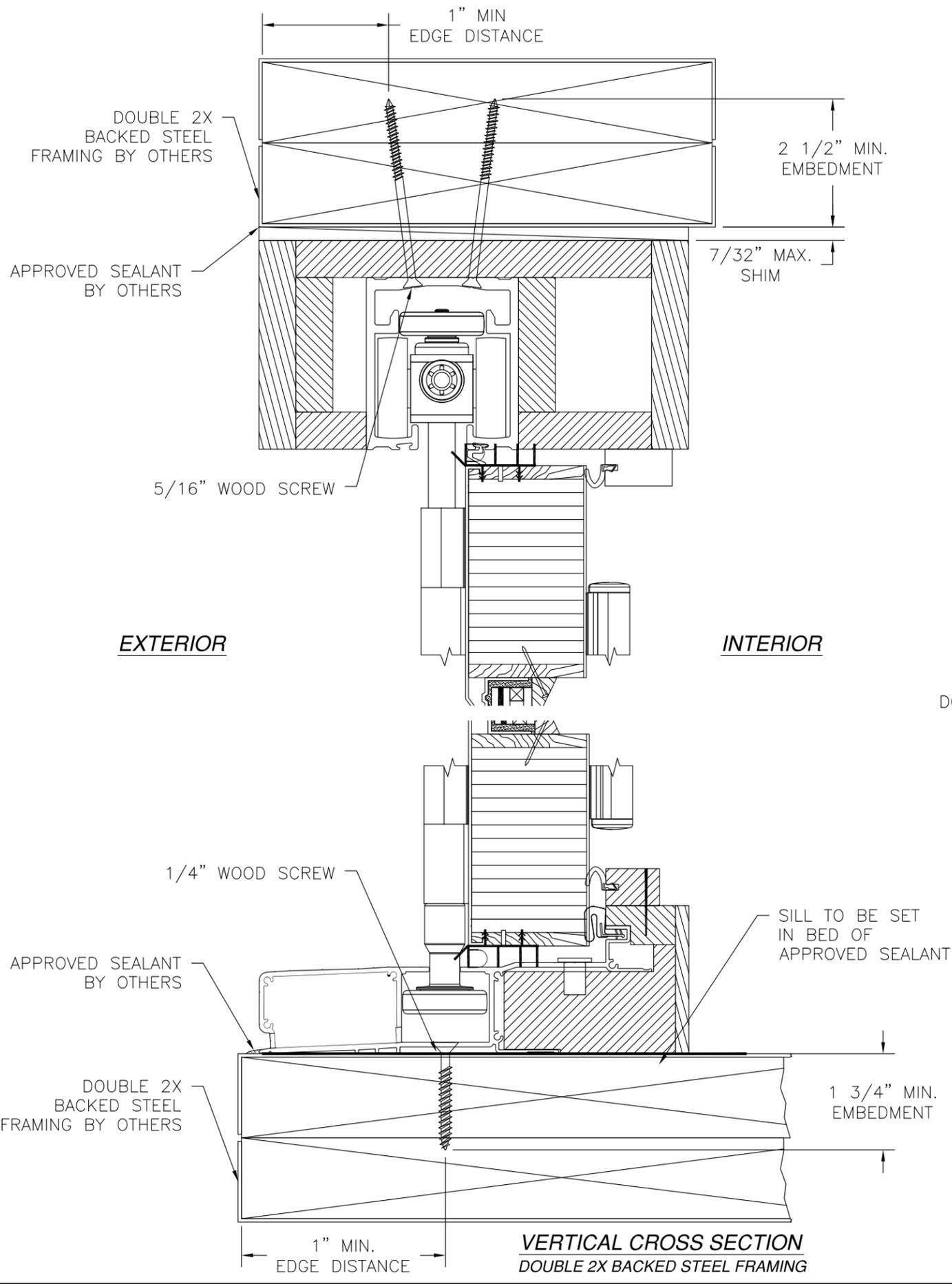
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SCALE NTS	DATE 06/17/13	SHEET 5 OF 7

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Luis R. Lomas P.E.
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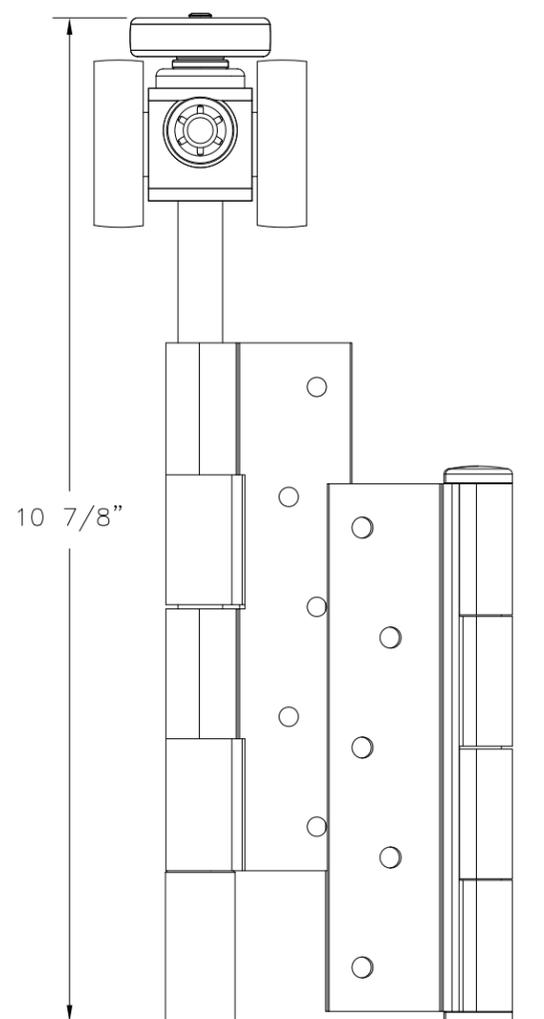
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12 PARKWAY PLACE
HOUSTON, TX 77040

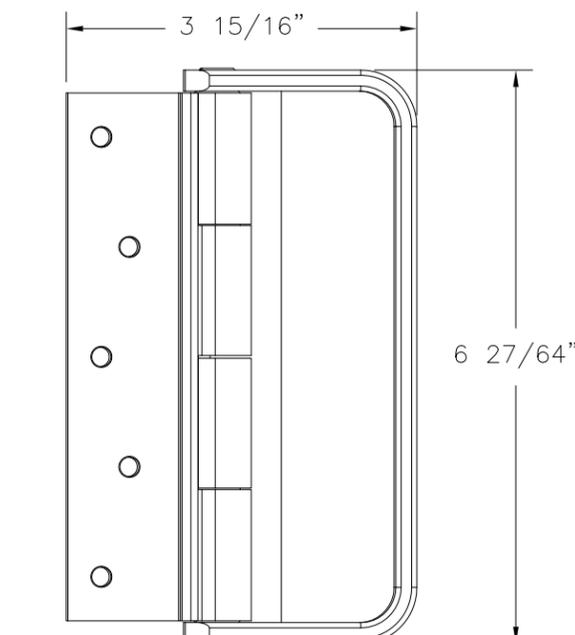
WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD
DOOR - IMPACT
INSTALLATION DETAILS

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SCALE NTS	DATE 06/17/13	SHEET 6 OF 7

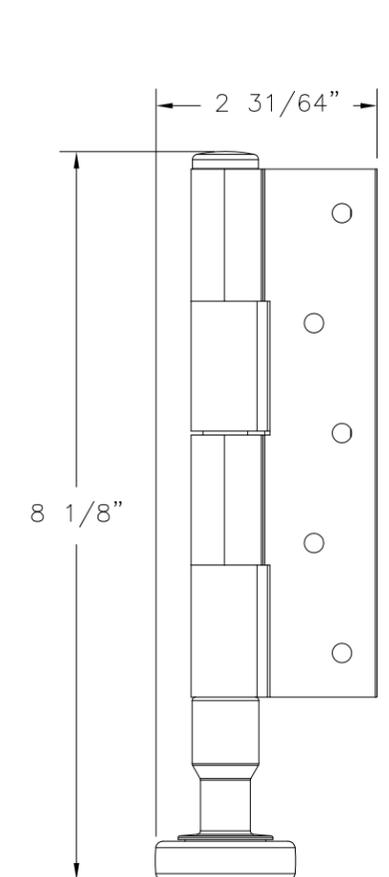
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TX No.: 101889



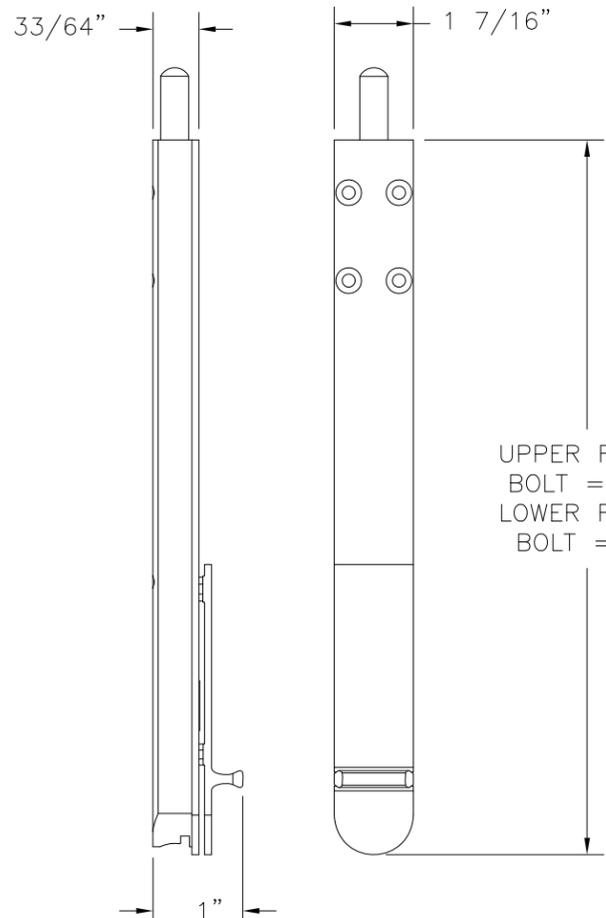
TOP HINGE W/ HEAD CARRIER ASSEMBLY



CENTER HINGE ASSEMBLY

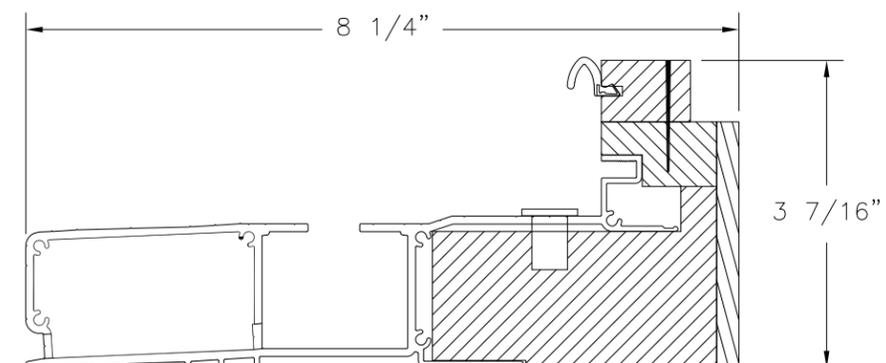


BOTTOM HINGE W/ THRESHOLD CARRIER ASSEMBLY

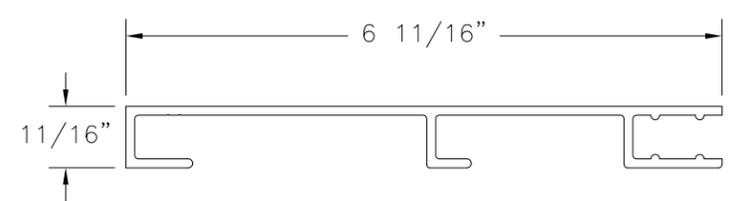


UPPER AND LOWER FLUSH BOLT

UPPER FLUSH BOLT = 24"
LOWER FLUSH BOLT = 8"

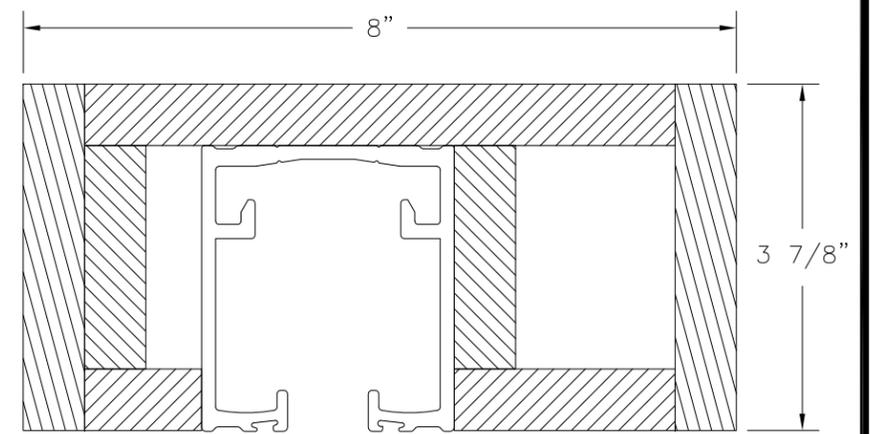


SILL ALUMINUM 6063-T5 .100" THICK

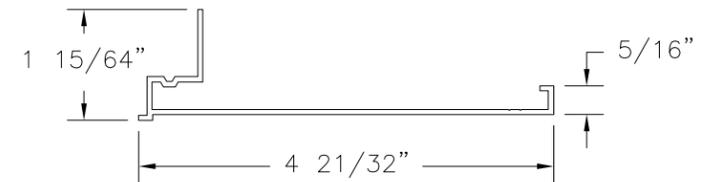


DI JAMB ALUMINUM 6063-T5 .100" THICK

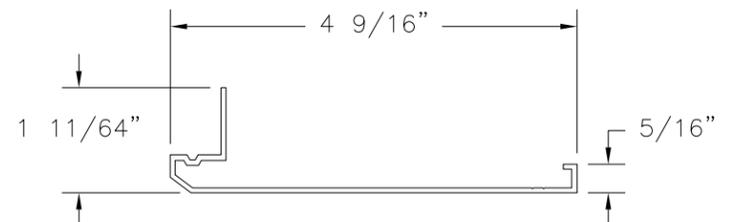
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HEAD ALUMINUM 6063-T5 .160" THICK



VERTICAL RAIL ALUMINUM 6063-T5 .055" THICK



HORIZONTAL RAIL ALUMINUM 6063-T5 .055" THICK

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DOOR INNOVATIONS
12 PARKWAY PLACE
HOUSTON, TX 77040

WEATHERTIGHT4 ALUMINUM CLAD WOOD OUTFOLD
DOOR - IMPACT
COMPONENTS

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SCALE NTS	DATE 06/17/13	SHEET 7 OF 7



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