

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW REQUIREMENTS	12/28/23	R.L.

NOTES:

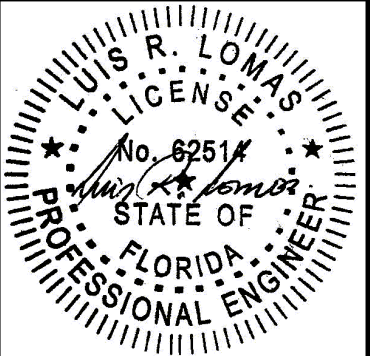
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. 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.
6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: ALUMINUM 6063-T5.
11. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

12. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
13. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" 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.
14. FOR ANCHORING INTO METAL STRUCTURE USE #10 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.
15. ALL FASTENERS TO BE CORROSION RESISTANT.
16. 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:
 - 16.A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 16.B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 16.C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 16.D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
17. FRAME AND DOOR MATERIAL: EXTRUDED ALUMINUM 6063-T5.
18. SCREEN MATERIAL: .035" STAINLESS STEEL WITH 12 X 12 STRANDS PER SQUARE INCH AND .048" OPEN SPACE BETWEEN STRANDS WITH NATURAL FINISH OR PAINTED.
19. SEVEN HINGES LOCATED 8 1/2" FROM HEAD AND 12 1/4" MAXIMUM O.C. THEREAFTER.

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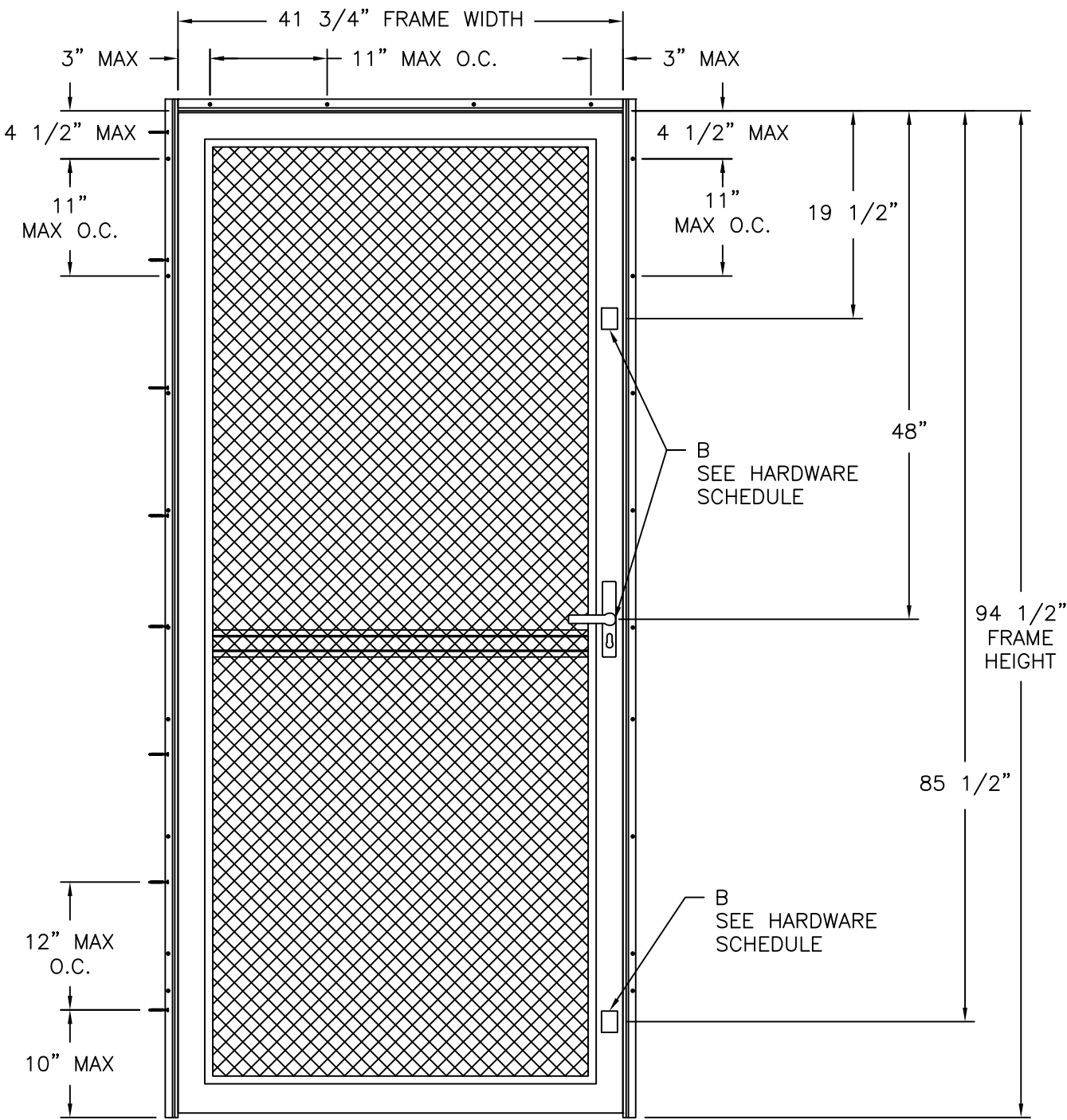
TAPCO INCORPORATED 1815 McCULLOUGH BLVD TUPELO, MS 38801		
475 DOOR HURRICANE SECURITY SCREEN IMPACT HVHZ NOTES		
DRAWN: V.L.	DWG NO. 08-02433C	REV C
SCALE NTS	DATE 08/11/14	SHEET 1 OF 5
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 12/28/2023



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

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- NOTES:
- 1. PANEL SIZE: 40 5/8" X 93 3/16"
 - 2. SCREEN SIZE: 34 3/4" X 87"

HARDWARE SCHEDULE	
A.	(7) 4" SPRING LOADED HINGE ASSEMBLY BY TAPCO
B.	LOCKWOOD 8654 3-POINT DOOR LOCK WITH THUMB TURN INSIDE BY ASSA ABLOY

475 DOOR HURRICANE SECURITY SCREEN
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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TAPCO INCORPORATED
1815 McCULLOUGH BLVD
TUPELO, MS 38801

475 DOOR HURRICANE SECURITY SCREEN
IMPACT HVHZ
ELEVATION

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V.L.

DWG NO.
08-02433C

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C

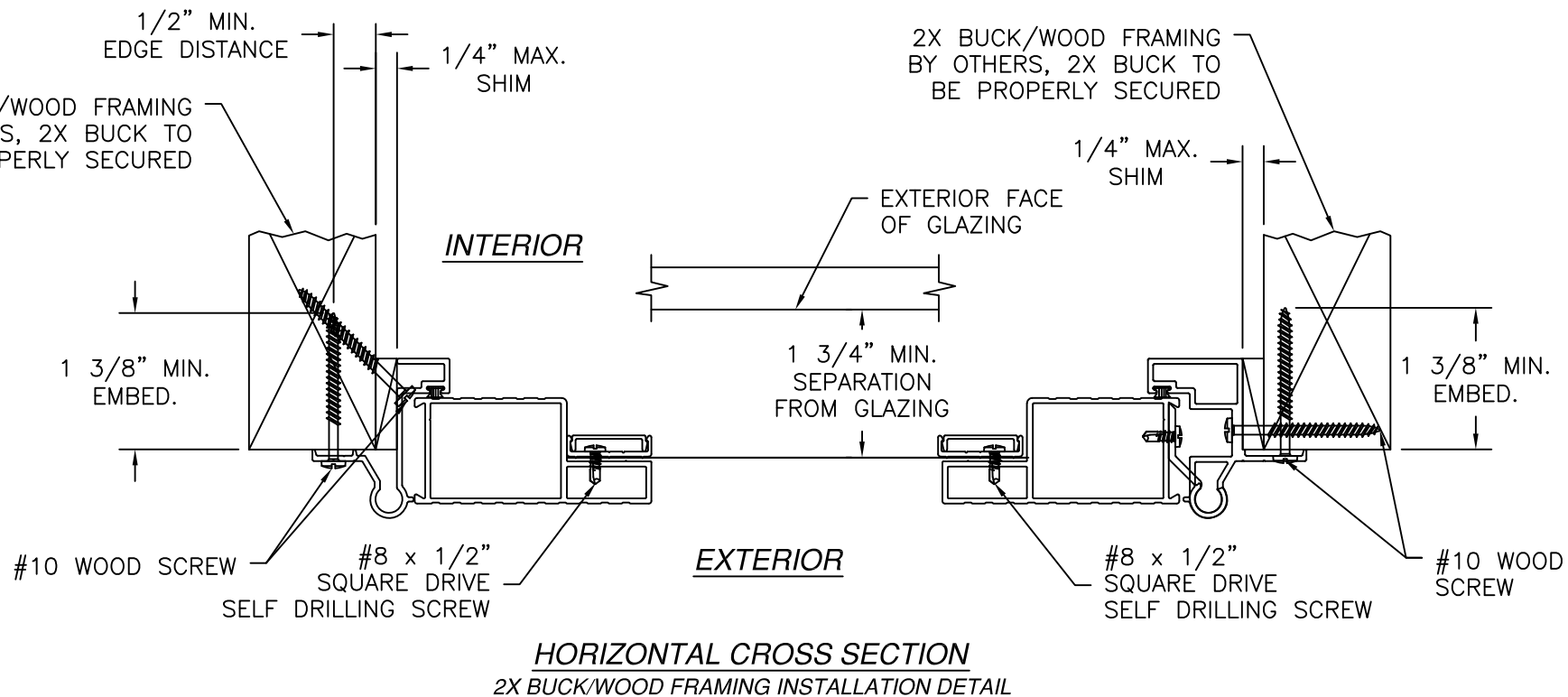
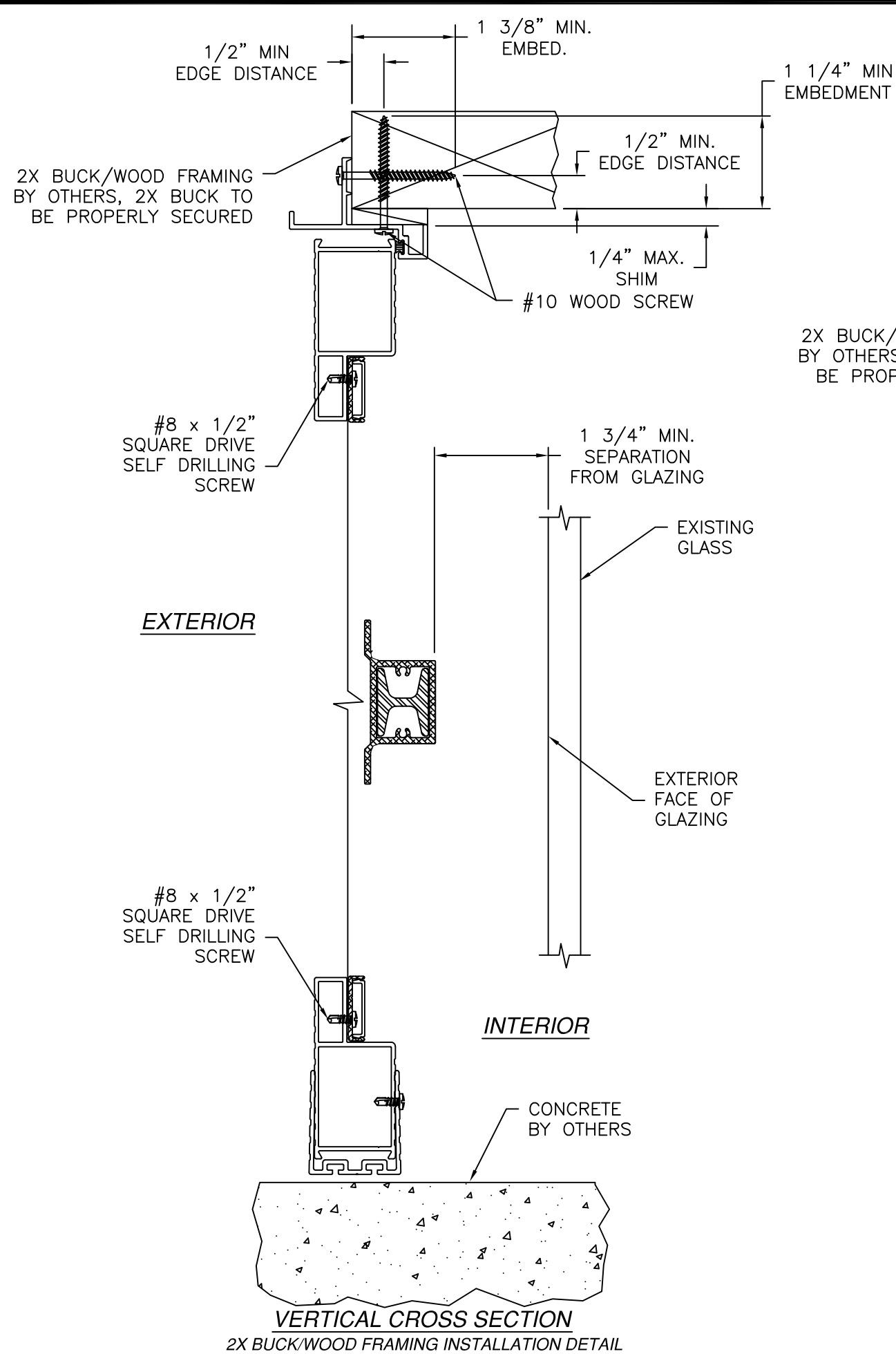
SCALE
NTS

DATE
08/11/14

SHEET
2 OF 5

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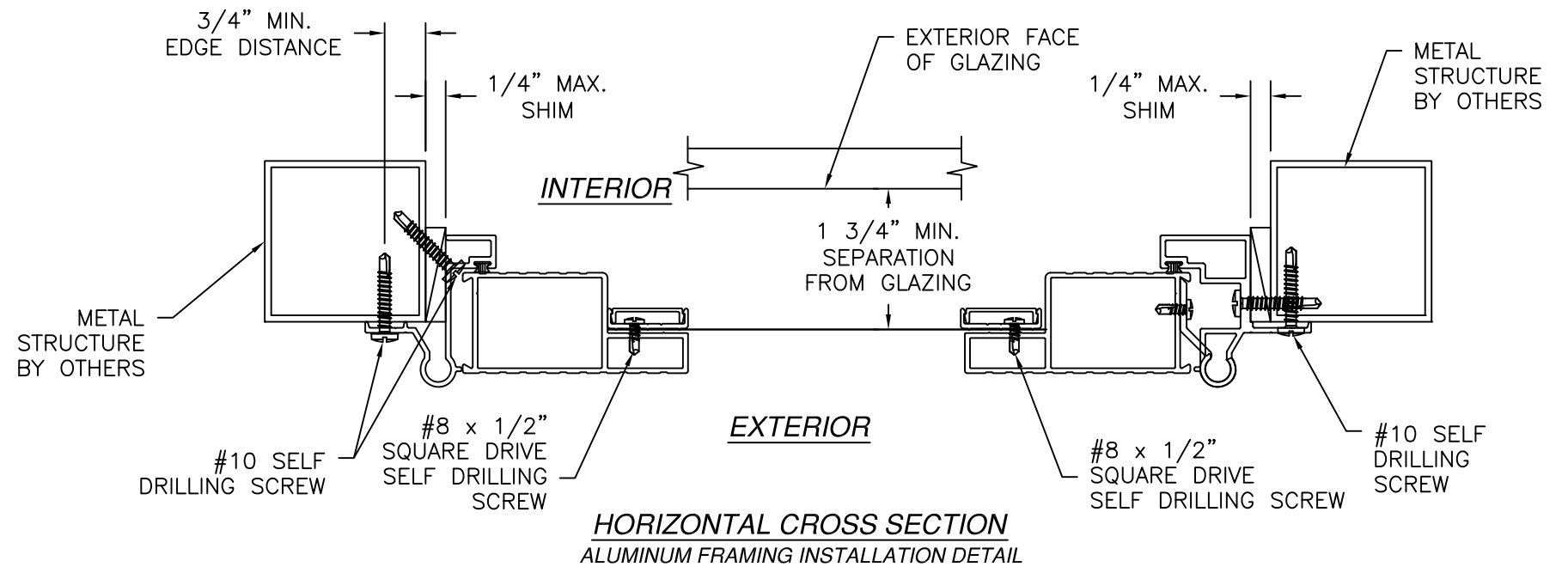
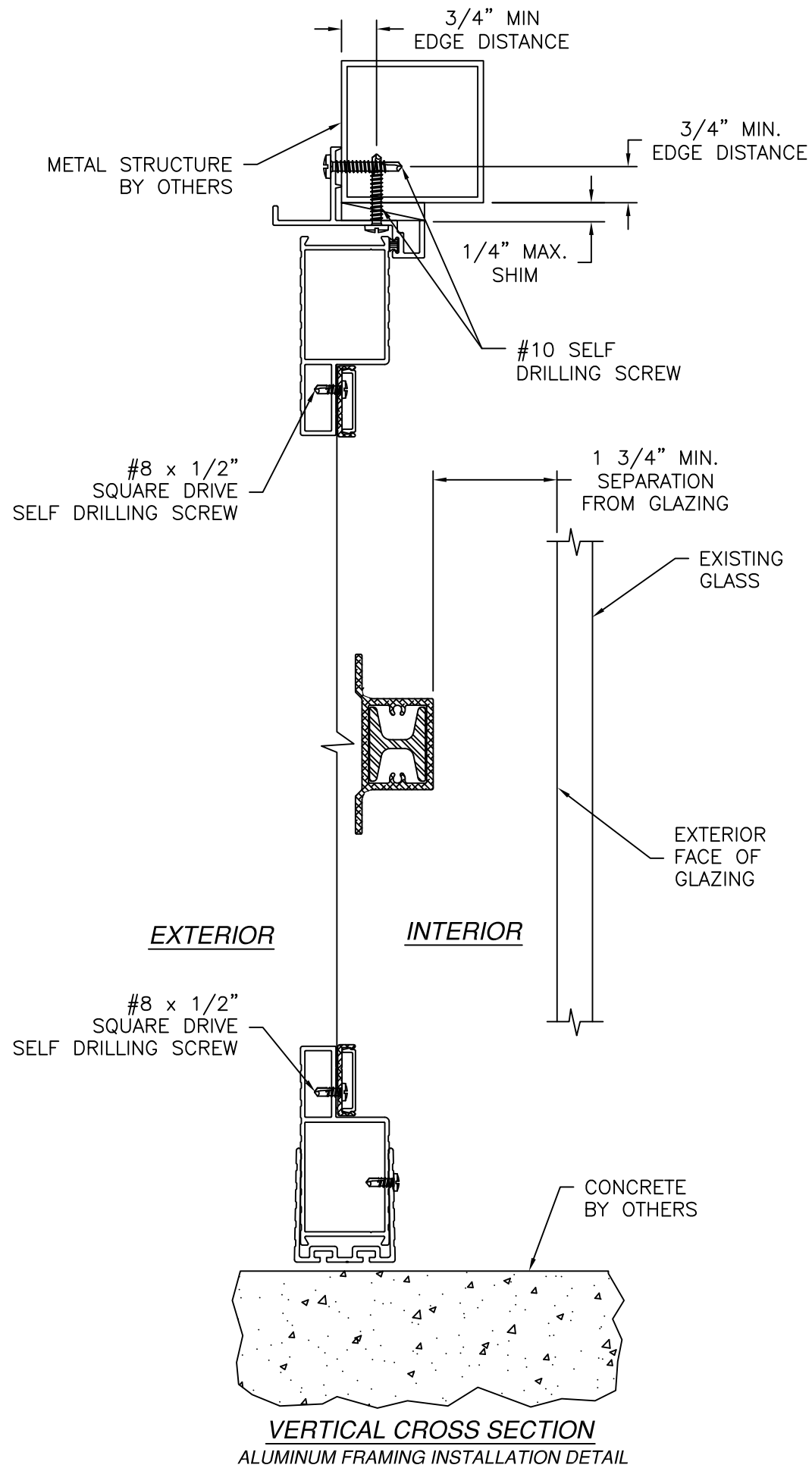


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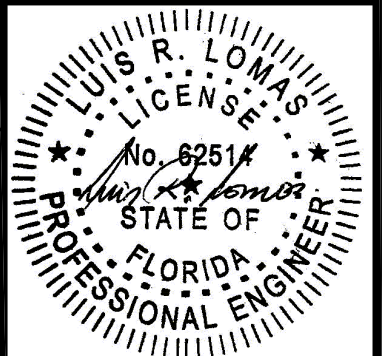
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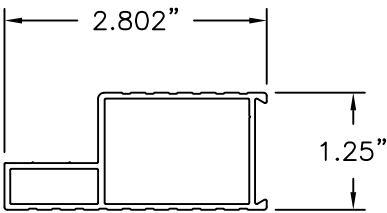
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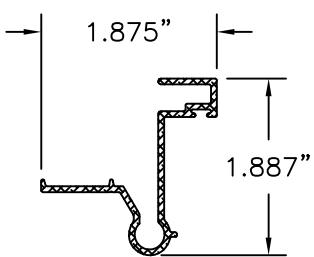


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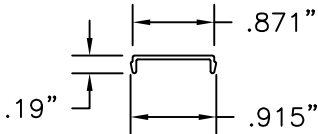
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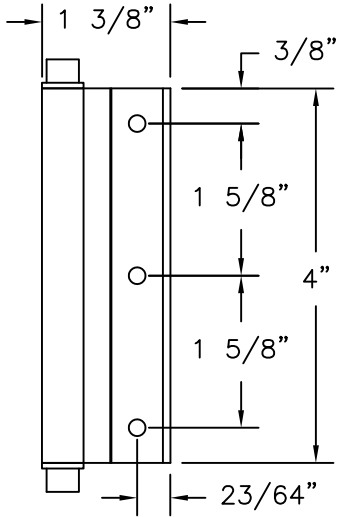
DOOR FRAME (TAP-034A)
ALUMINUM 6063-T5
TYPICAL WALL .062" THICK
SPECIAL WALL .125" THICK



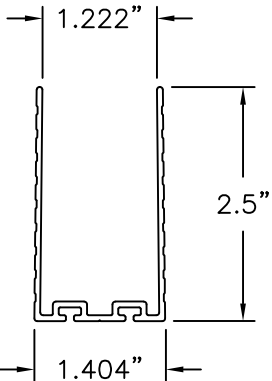
HINGE RAIL (TAP-014)
ALUMINUM 6063-T5 .062" THICK



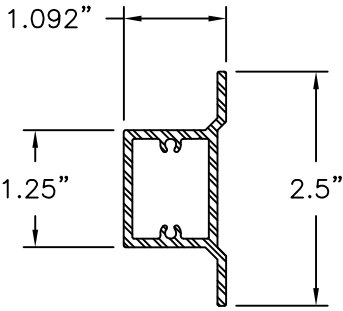
FLAT BAR COVER (RP-1109)
EXTRUDED RIGID PVC .040" THICK



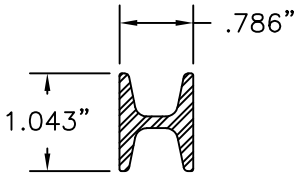
SPRING LOADED HINGE ASSEMBLY
HINGE AMP-SD-061 ALUMINUM 6063-T5 .062" THICK FROM
PROFILE EXTRUSIONS
PINS AND BUSHINGS FROM MERCHANTS FASTENERS
SPRING 1803-3 FROM SOUTHERN PRECISION SPRINGS



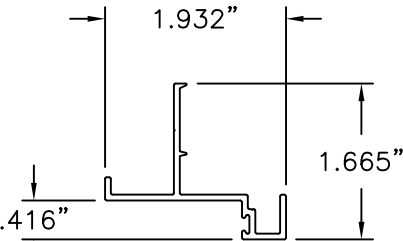
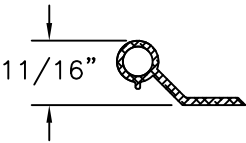
EXPANDER (TAP-015)
ALUMINUM 6063-T5 .066" THICK



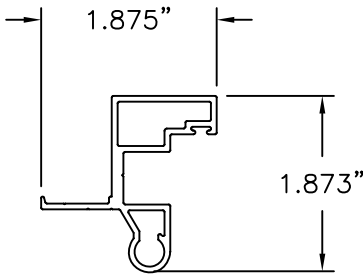
#900 MULL BAR (AMP-55-081B)
ALUMINUM 6063-T5 .092" THICK



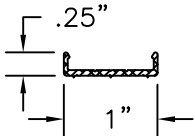
I-BEAM (TAP-009)
ALUMINUM 6005-T6 .125" THICK



HEADER Z-BAR (TAP-012)
ALUMINUM 6063-T5 .062" THICK



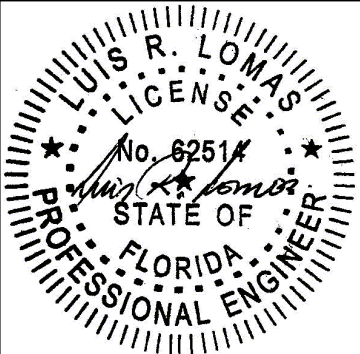
LOCK RAIL (TAP-039)
ALUMINUM 6063-T6 .125" THICK



**FLAT BAR
U-CHANNEL (TAP-020)**
ALUMINUM 6063-T5 .060" THICK

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