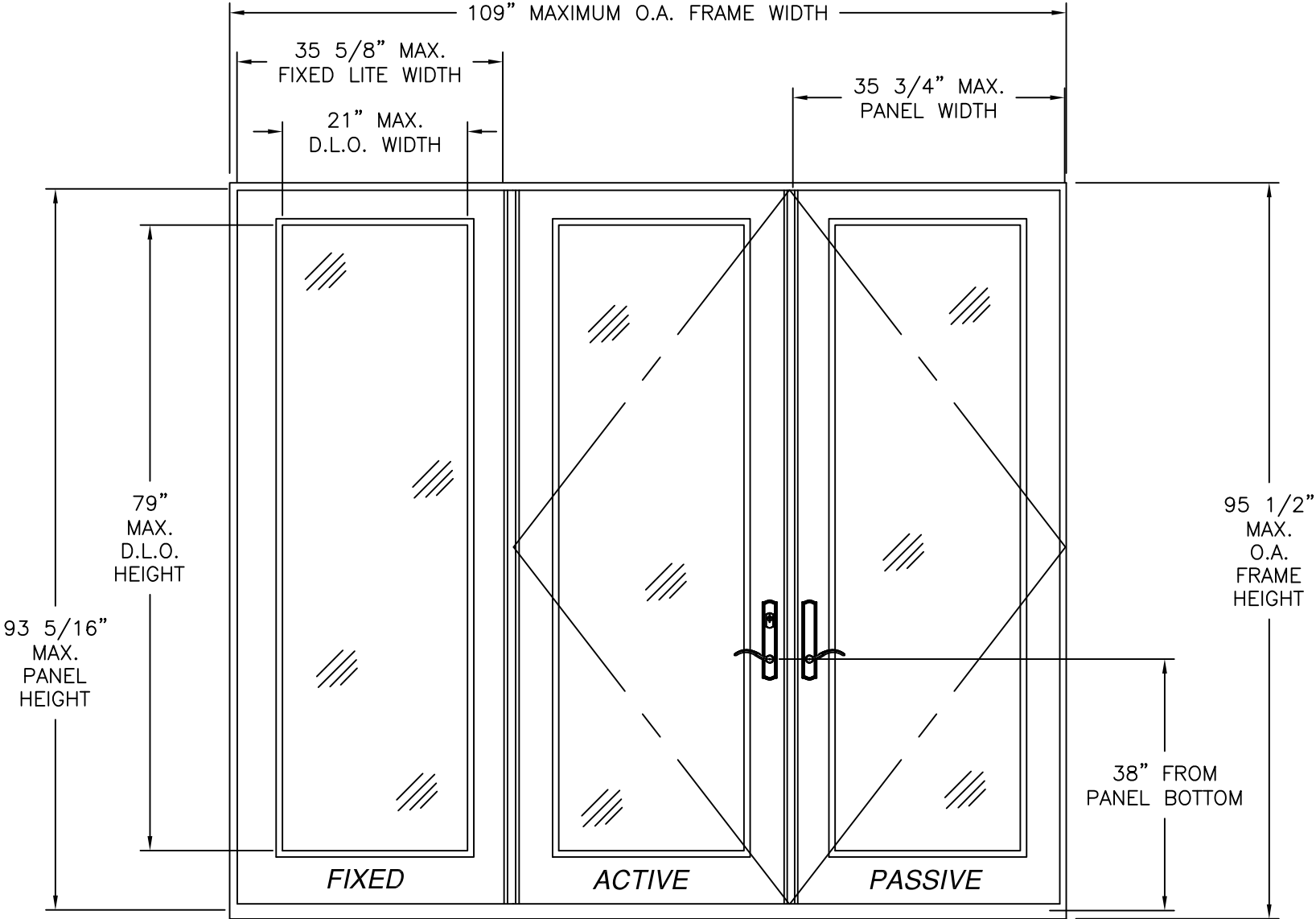


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SERIES 9'0 x 8'0 FIBERGLASS OUT-SWING DOUBLE DOOR WITH SIDELITE
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	OXX ELEVATION AND NOTES
2	ADDITIONAL CONFIGURATIONS AND HARDWARE
3	GLAZING DETAILS
4	ANCHORING LAYOUTS
5 – 8	INSTALLATION DETAILS
9	ASTRAGAL AND MULLION DETAILS

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF FLORIDA BUILDING CODE.
 - 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING 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) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 - 5) UNITS MUST BE GLAZED PER ASTM E1300. SEE SHEET 3 FOR GLAZING DETAIL.
 - 6) 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.
 - 7) FRAME JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC FOAM 1 1/2" THICK.
 - 8) FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM 2" THICK WITH ALUMINUM CLADDING .063" THICK.
 - 9) DOOR PANEL SIDELITE MATERIAL: .075" THICK FIBERGLASS SKIN WITH PVC FOAM TOP AND BOTTOM RAILS, AND PVC FOAM VERTICAL STILES WITH PINE REINFORCEMENTS AND POLYURETHANE FOAM CORE.
 - 10) APPROVED CONFIGURATIONS: X, XX, OO, OX, XO, XXO, OXX. SEE SHEET 2.
 - 11) HINGE LOCATION: FROM TOP OF PANEL DOWN AT 7 3/4", 33 1/4", 58 3/4" AND 84 5/16".

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OXX ELEVATION AND NOTES

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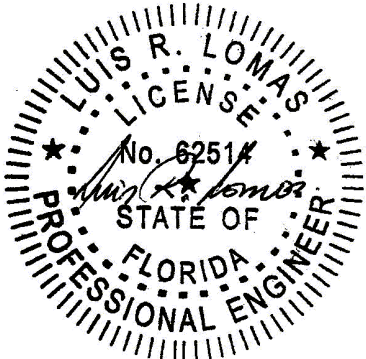
SHEET 1 OF 9

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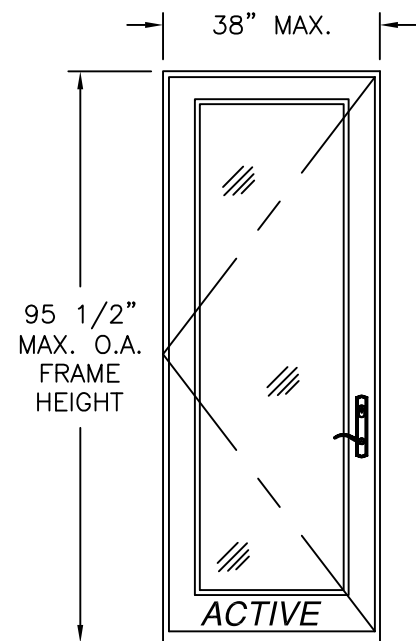
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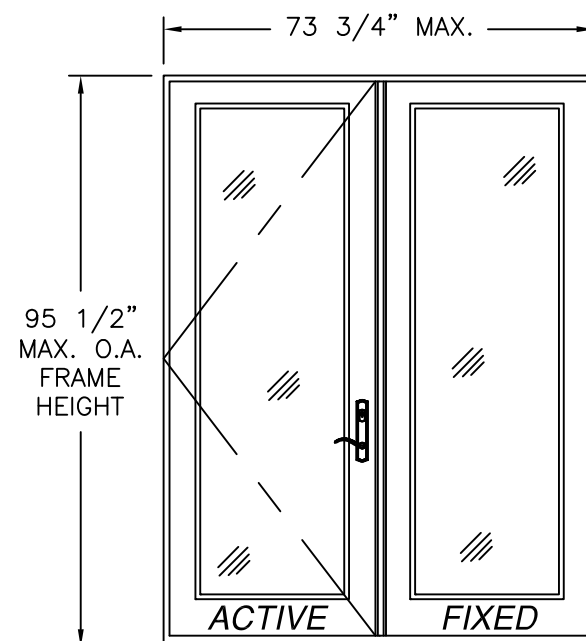
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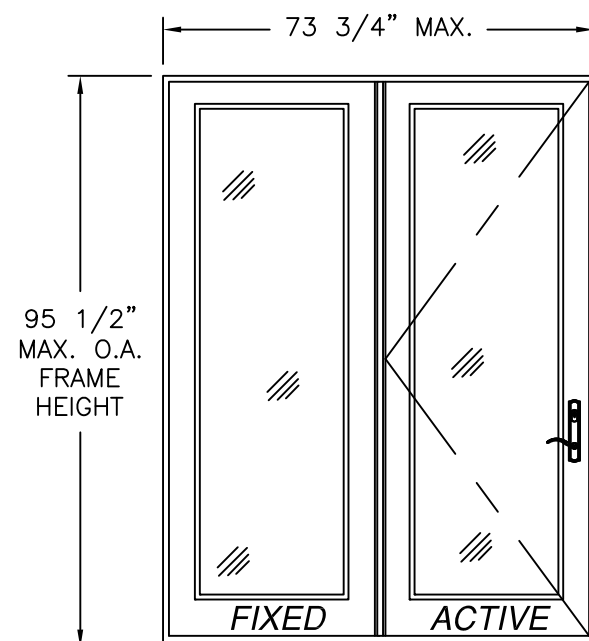
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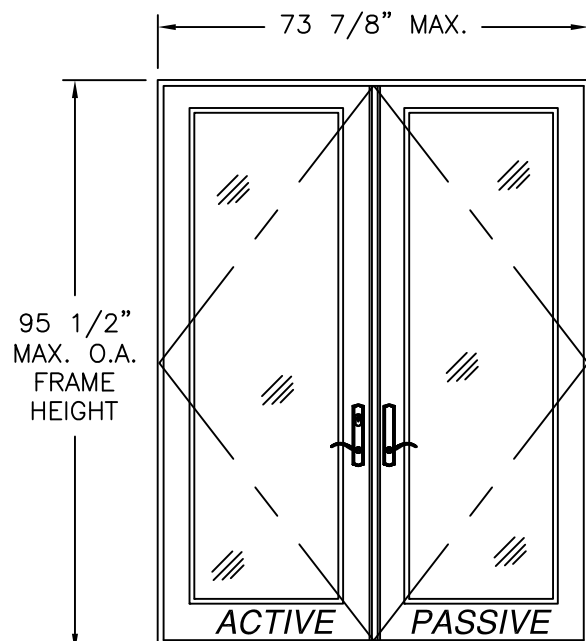
SINGLE
EXTERIOR VIEW



**SINGLE W/SIDELITE OR
DOUBLE FIXED**
EXTERIOR VIEW



**SINGLE W/SIDELITE OR
DOUBLE FIXED**
EXTERIOR VIEW



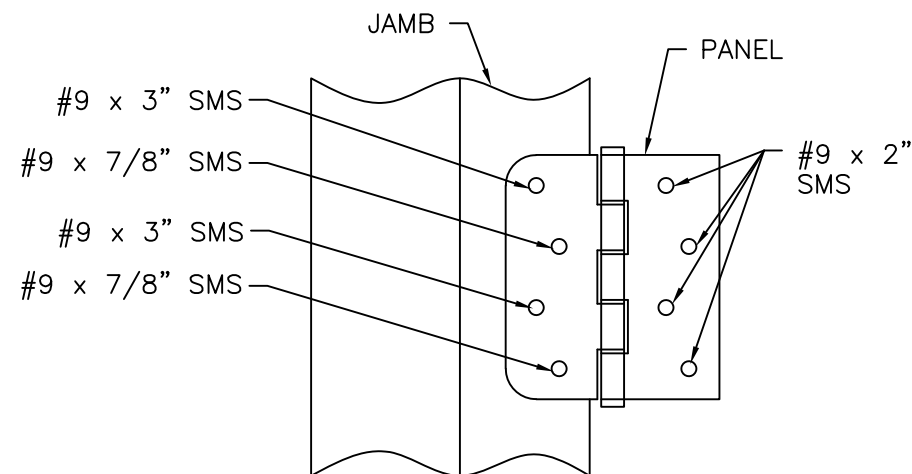
DOUBLE
EXTERIOR VIEW

NOTE:
ALL APPROVED CONFIGURATIONS ARE SHOWN AS LEFT HAND
ACTIVE, RIGHT HAND ACTIVE IS ALSO APPROVED.

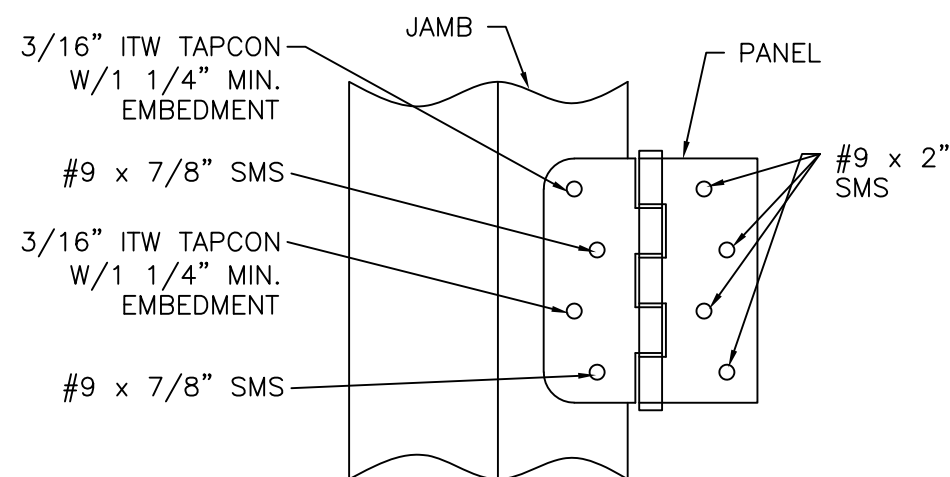
HARDWARE SCHEDULE

- A. 3-POINT LOCK HANDLE ASSEMBLY NINGBO MICOTA LOCKS
- B. (4) 4" x 4" BUTT HINGES BY WENZHOU LONGTAI HINGES
- C. EXTRUDED ALUMINUM & PVC FOAM ASTRAGAL BY NAN YA PLASTICS
- D. EXTRUDED ALUMINUM & PVC FOAM MULLION BY NAN YA PLASTICS

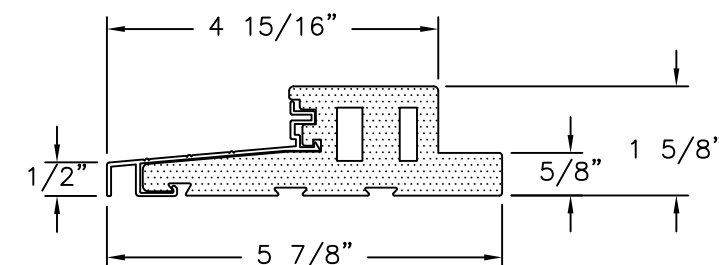
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HINGE DETAIL
2X BUCK/WOOD FRAMING INSTALLATION



HINGE DETAIL
MASONRY/CONCRETE INSTALLATION



OUTSWING DOOR SILL DETAIL

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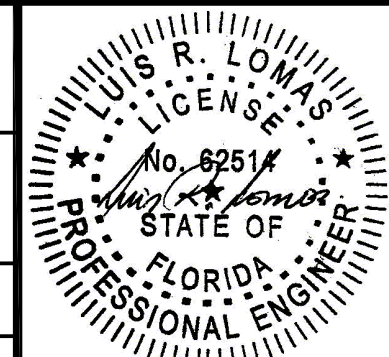
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**SERIES 9'0 X 8'0 FIBERGLASS OUT-SWING
DOUBLE DOOR W/ AND W/O SIDELITES
ADDITIONAL CONFIGURATIONS & HARDWARE**

DRAWN: TJH DWG NO. 08-01166 REV D

SCALE NTS DATE 11/05/10 SHEET 2 OF 9

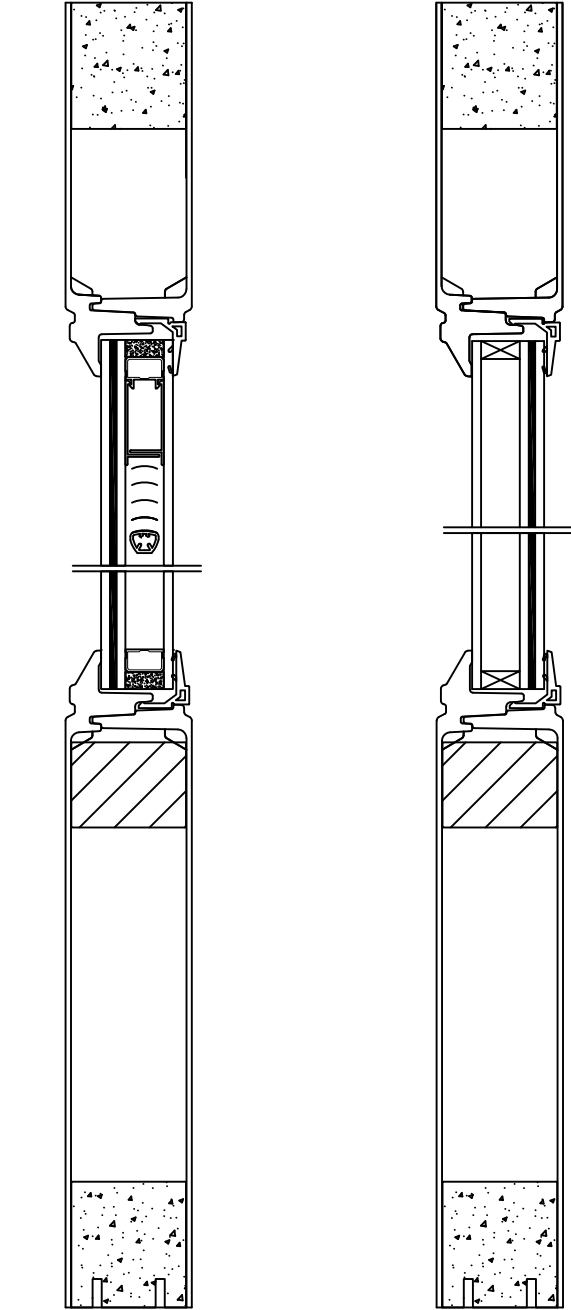
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208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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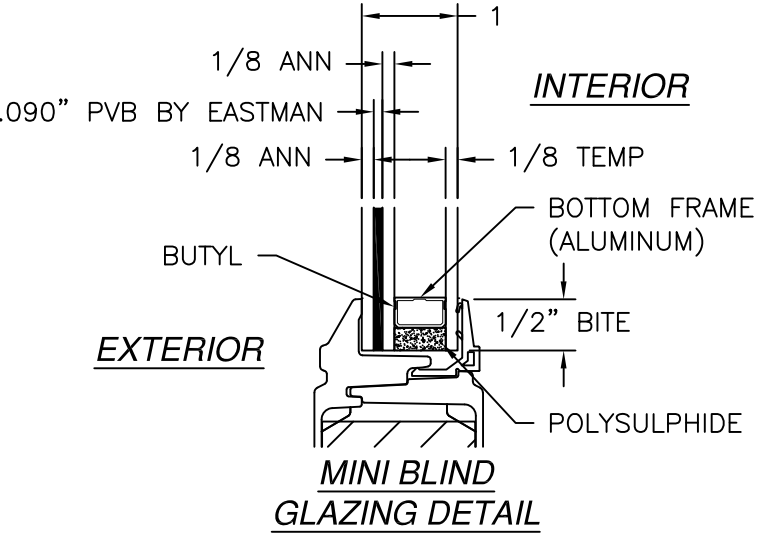
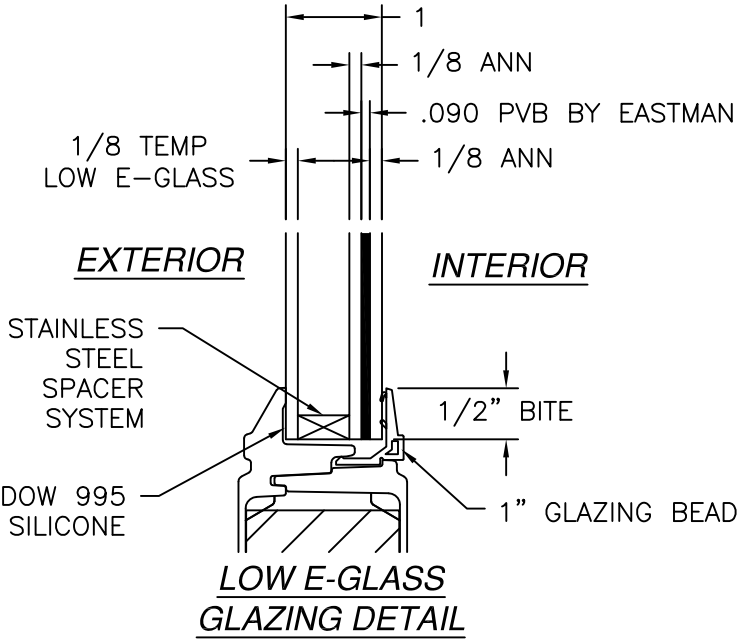
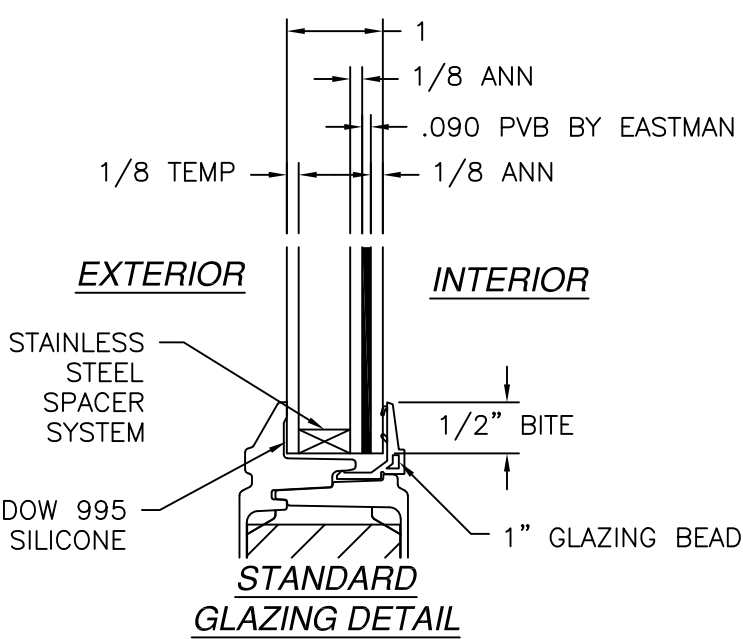
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APPROVED PANEL CONFIGURATIONS



W/MINI-BLIND

STANDARD



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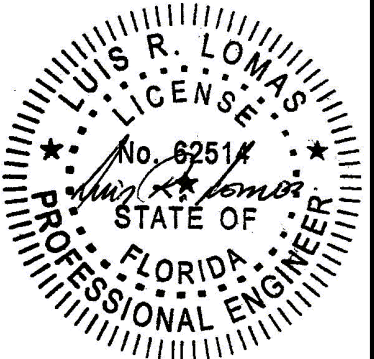
GLAZING DETAILS

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TJH	08-01166	D
SCALE NTS	DATE 11/05/10	SHEET 3 OF 9

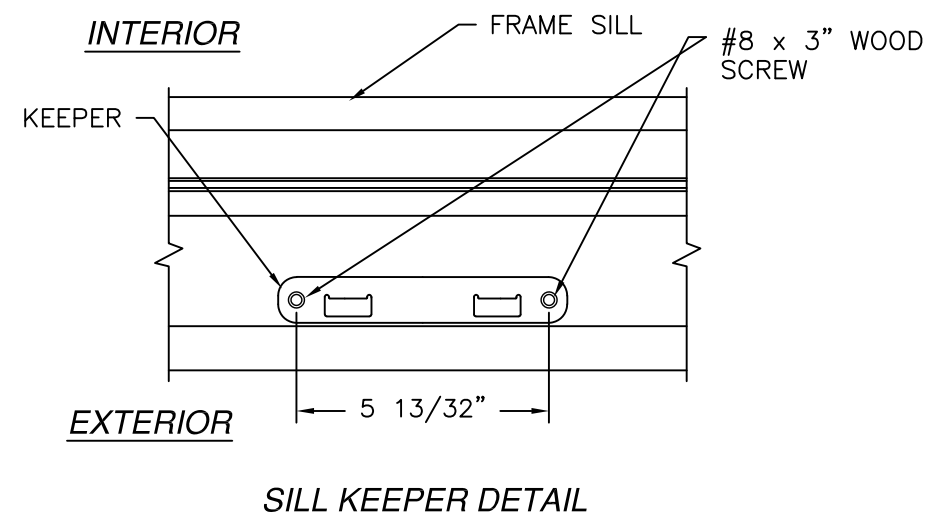
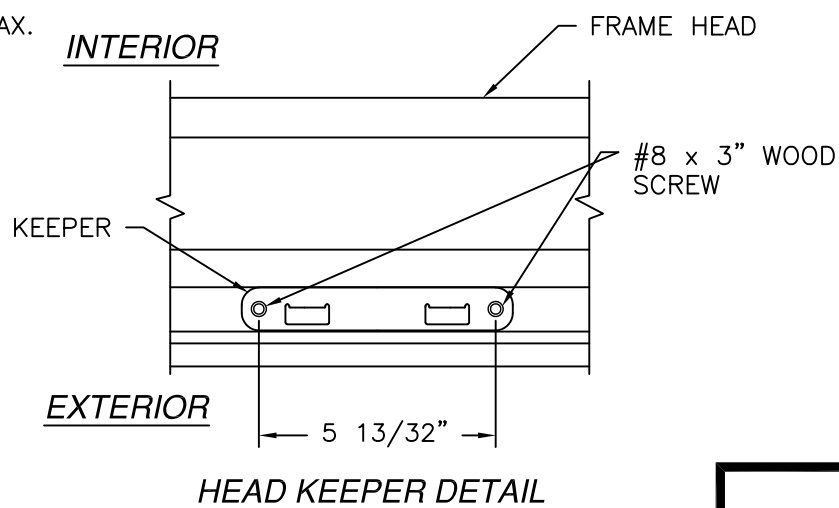
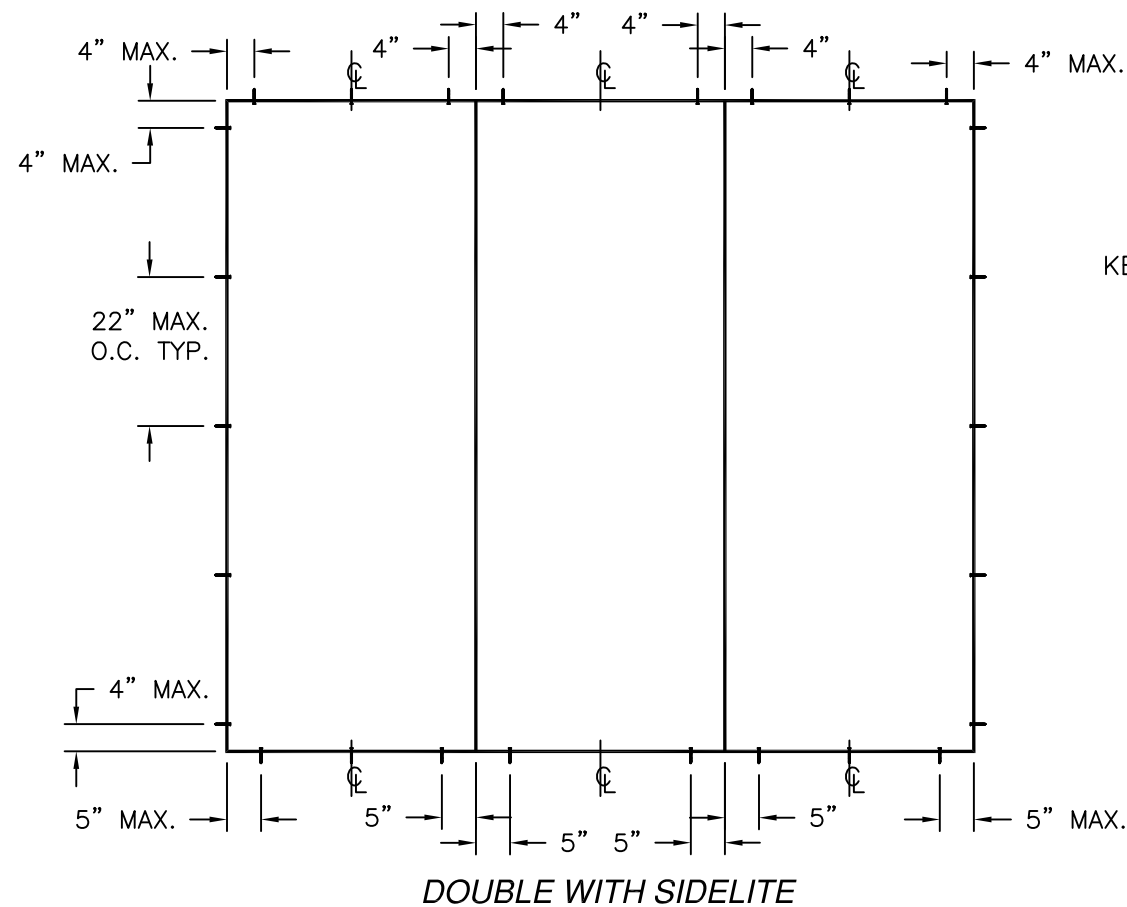
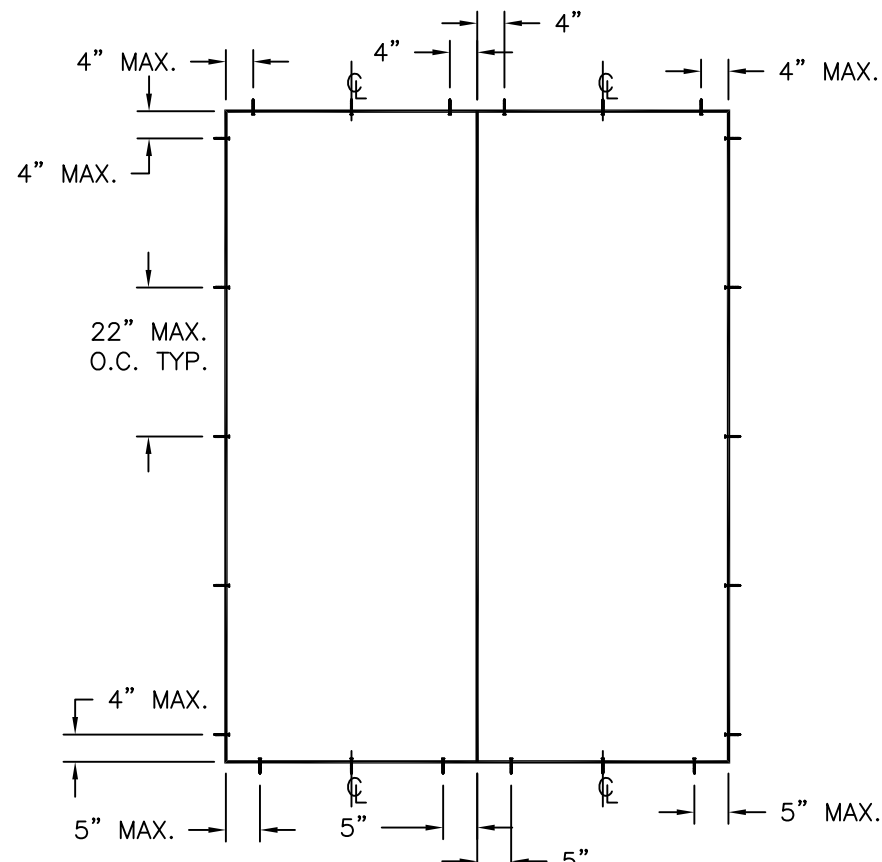
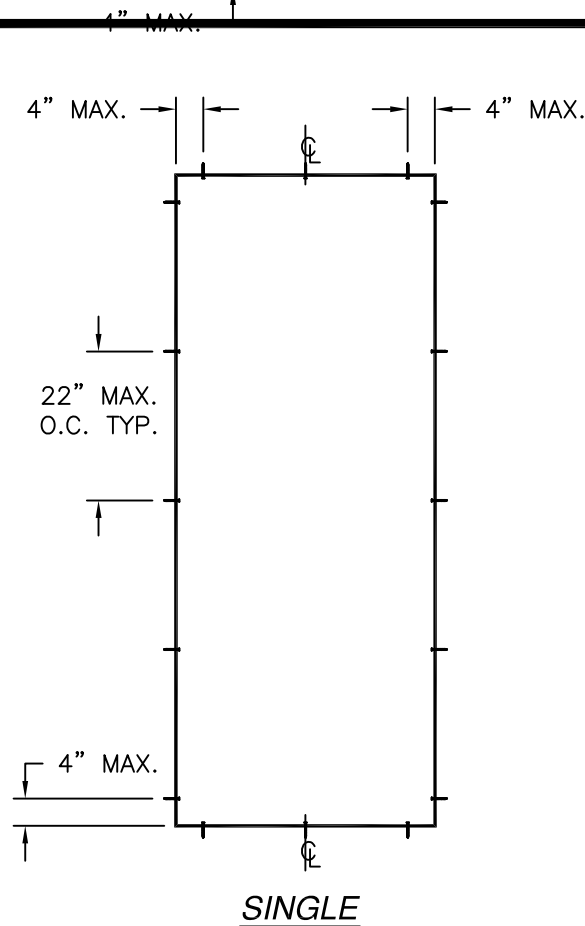
L. ROBERTO LOMAS P.E.

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- ANCHORING NOTES:
1. 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".
 2. 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.
 3. 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.
 4. ALL FASTENERS TO BE CORROSION RESISTANT.
 5. 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).

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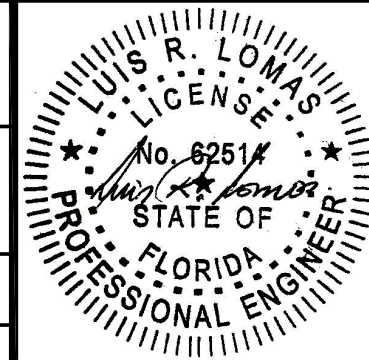
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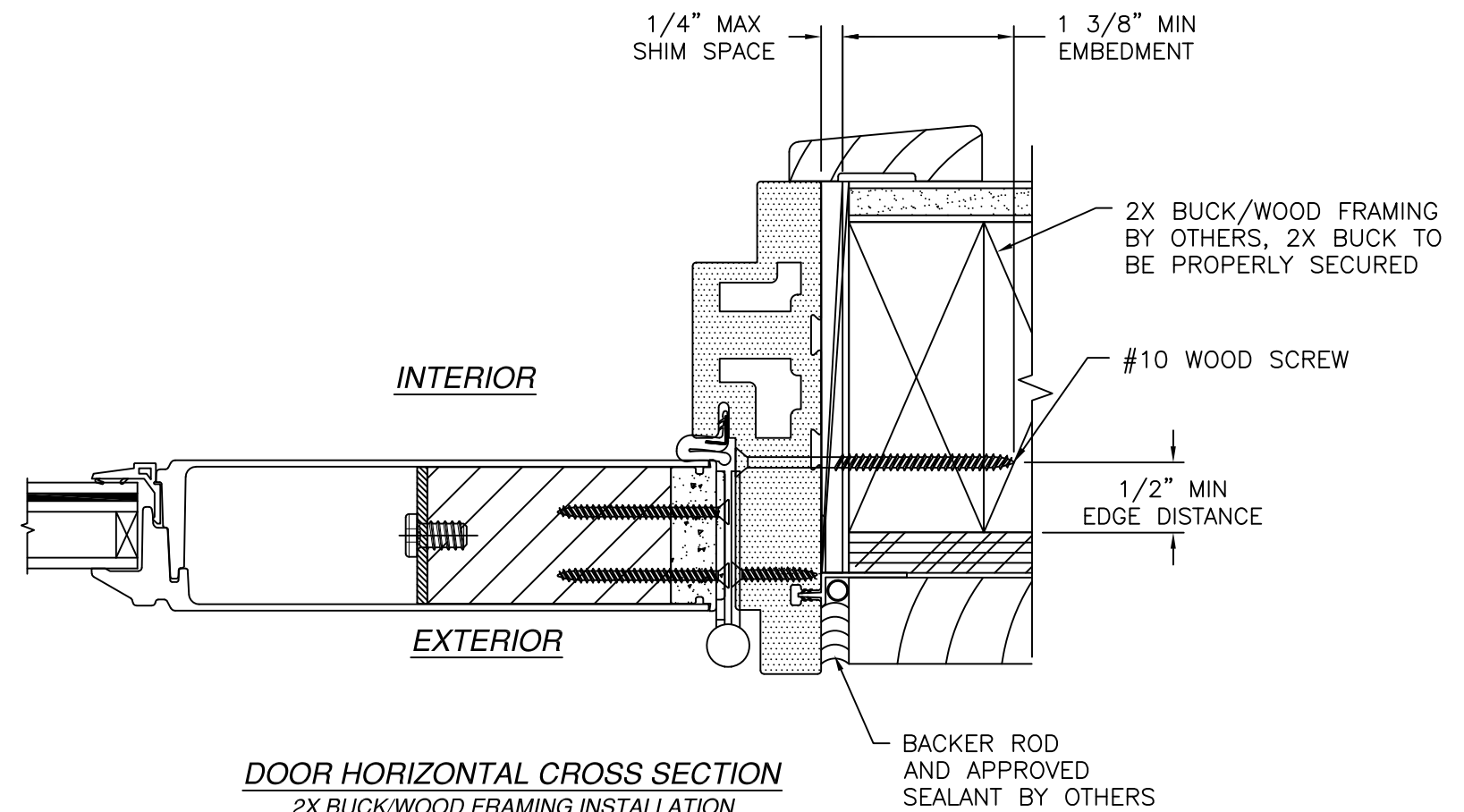
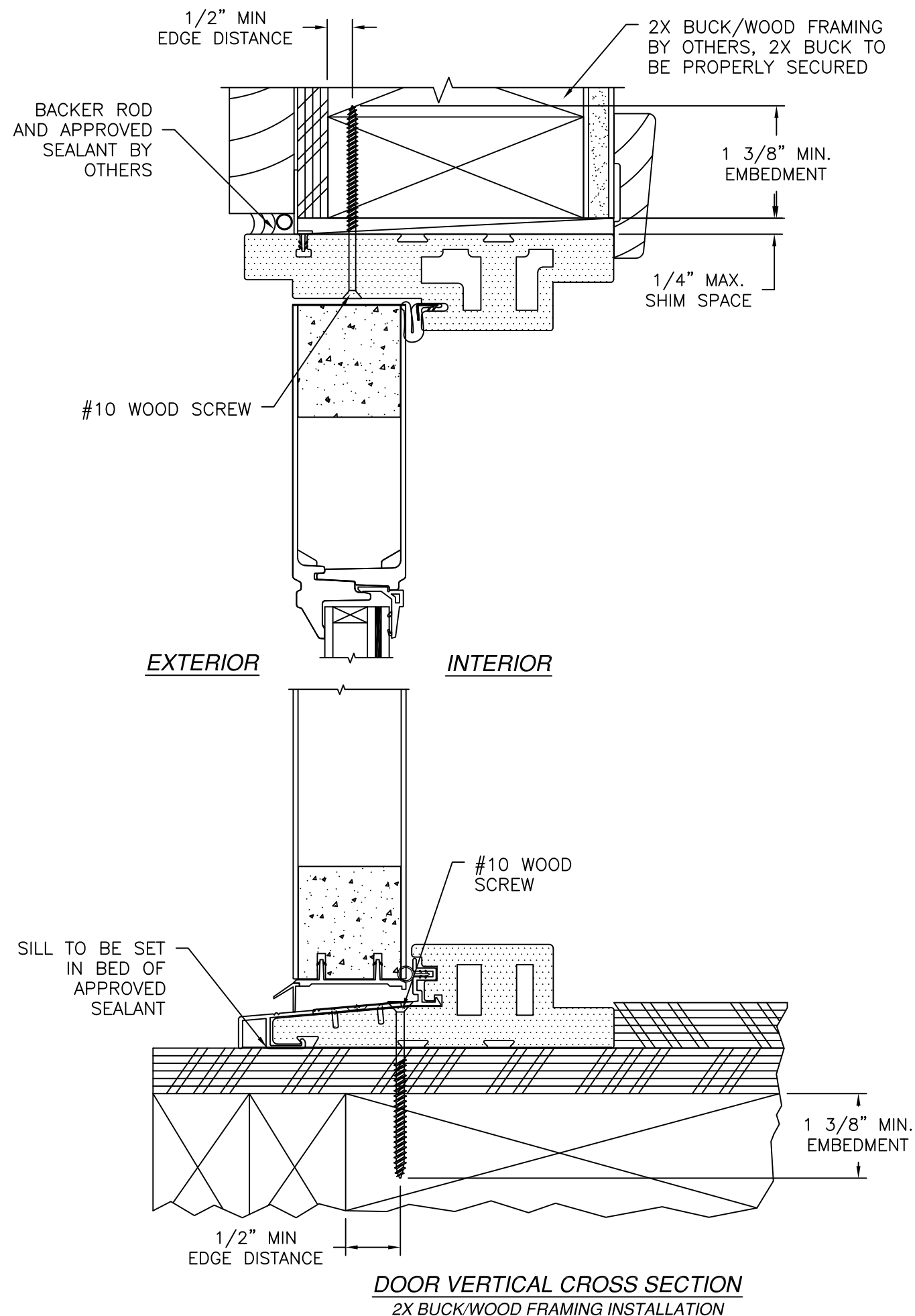
SERIES 9'0 X 8'0 FIBERGLASS OUT-SWING
DOUBLE DOOR W/ AND W/O SIDELITES
ANCHORING LAYOUTS

DRAWN: TJH	DWG NO. 08-01166	REV D
SCALE NTS	DATE 11/05/10	SHEET 4 OF 9

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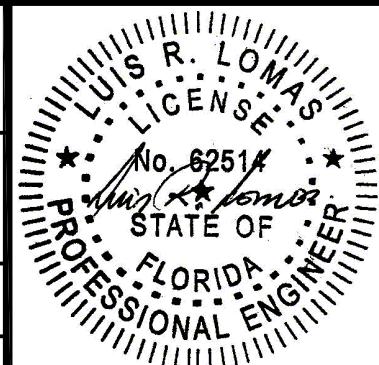


NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE
DESIGNED IN ACCORDANCE WITH ASTM E2112

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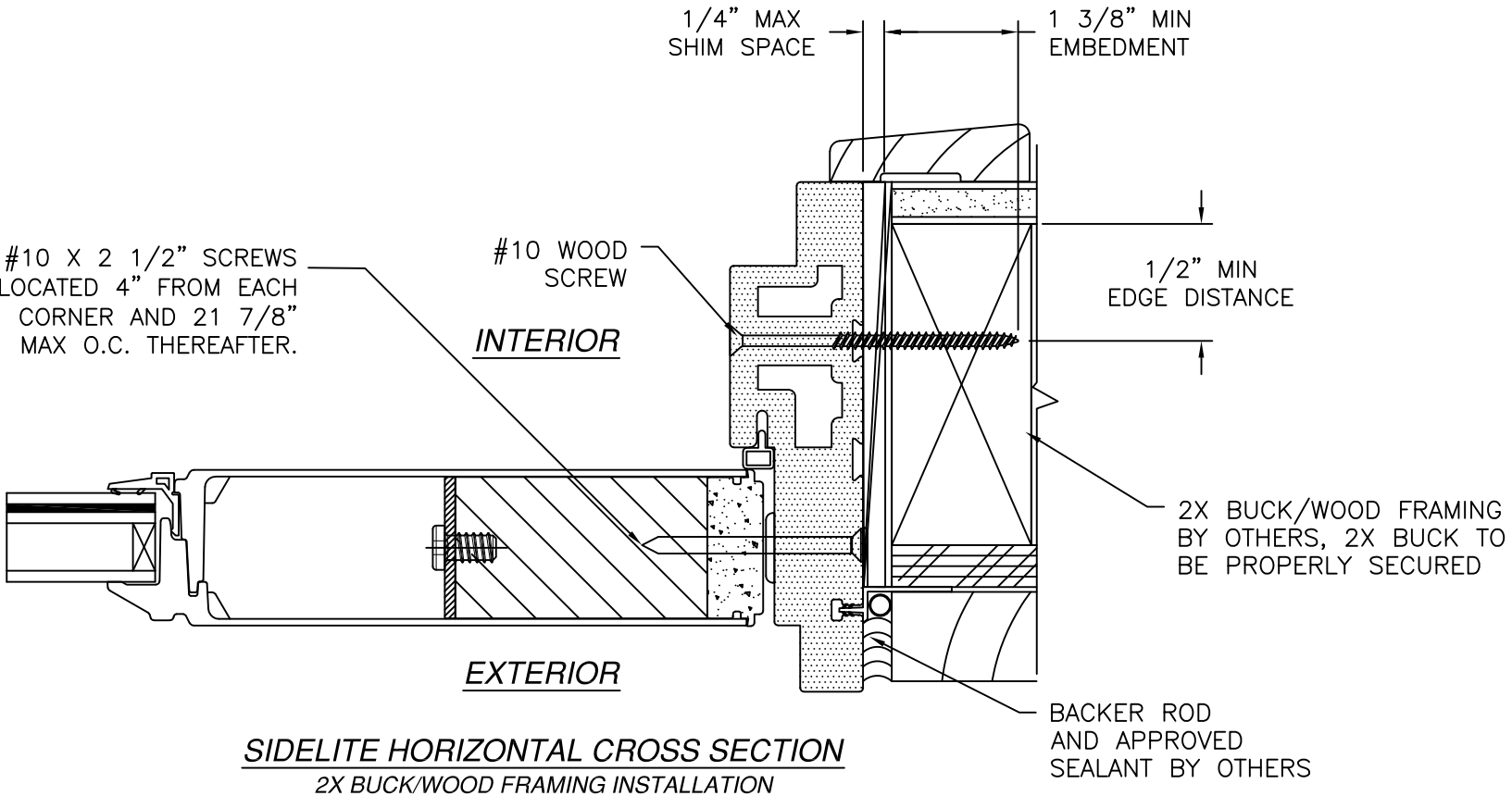
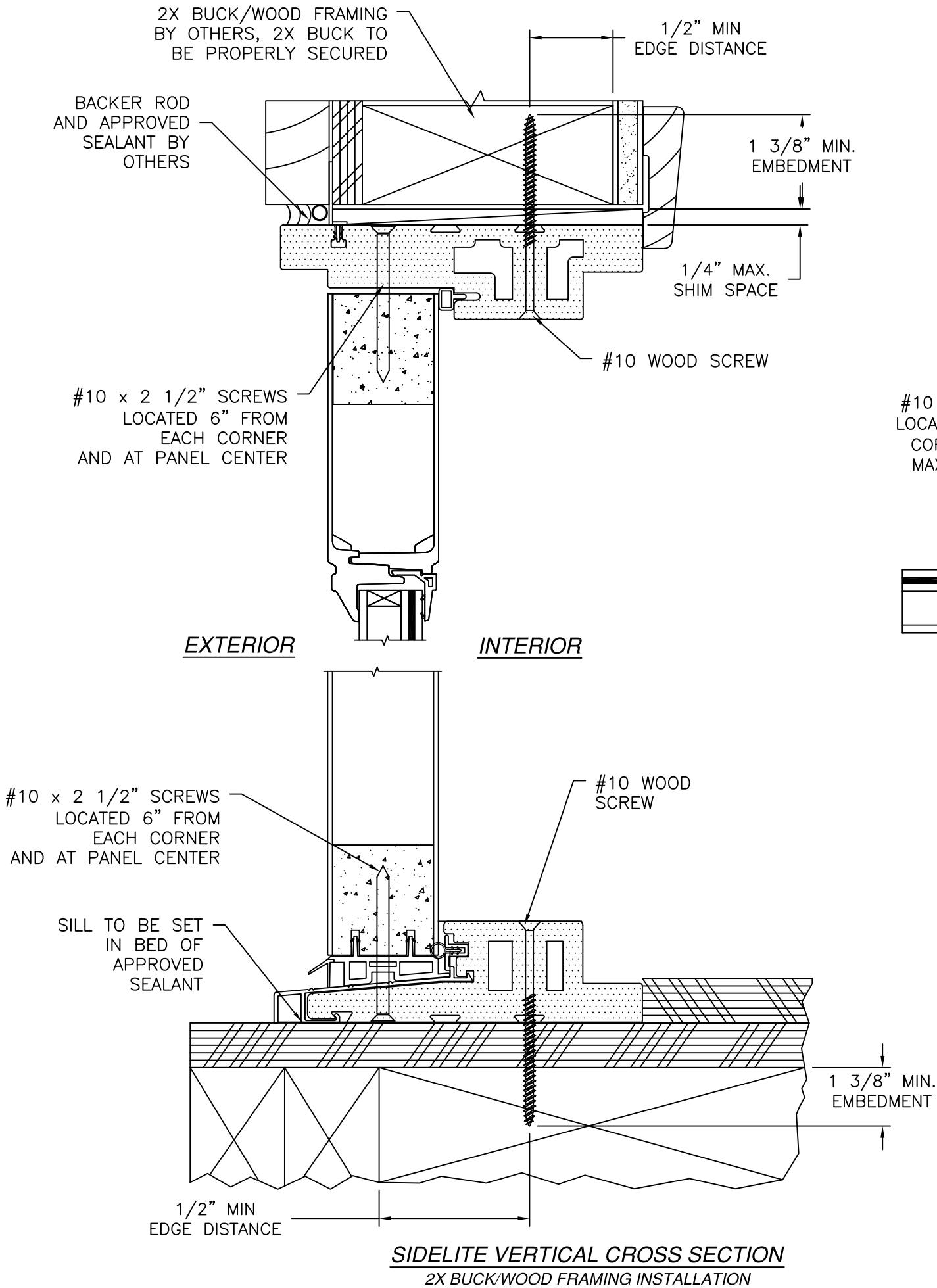
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SERIES 9'0 X 8'0 FIBERGLASS OUT-SWING DOUBLE DOOR W/ AND W/O SIDELITES INSTALLATION DETAILS		
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8989 NORTH LOOP EAST
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DOUBLE DOOR W/ AND W/O SIDELITES
INSTALLATION DETAILS

DRAWN: TJH

DWG NO. 08-01166

REV D

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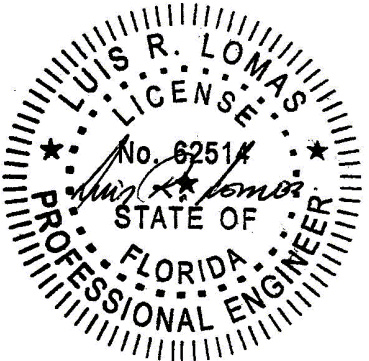
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SHEET 6 OF 9

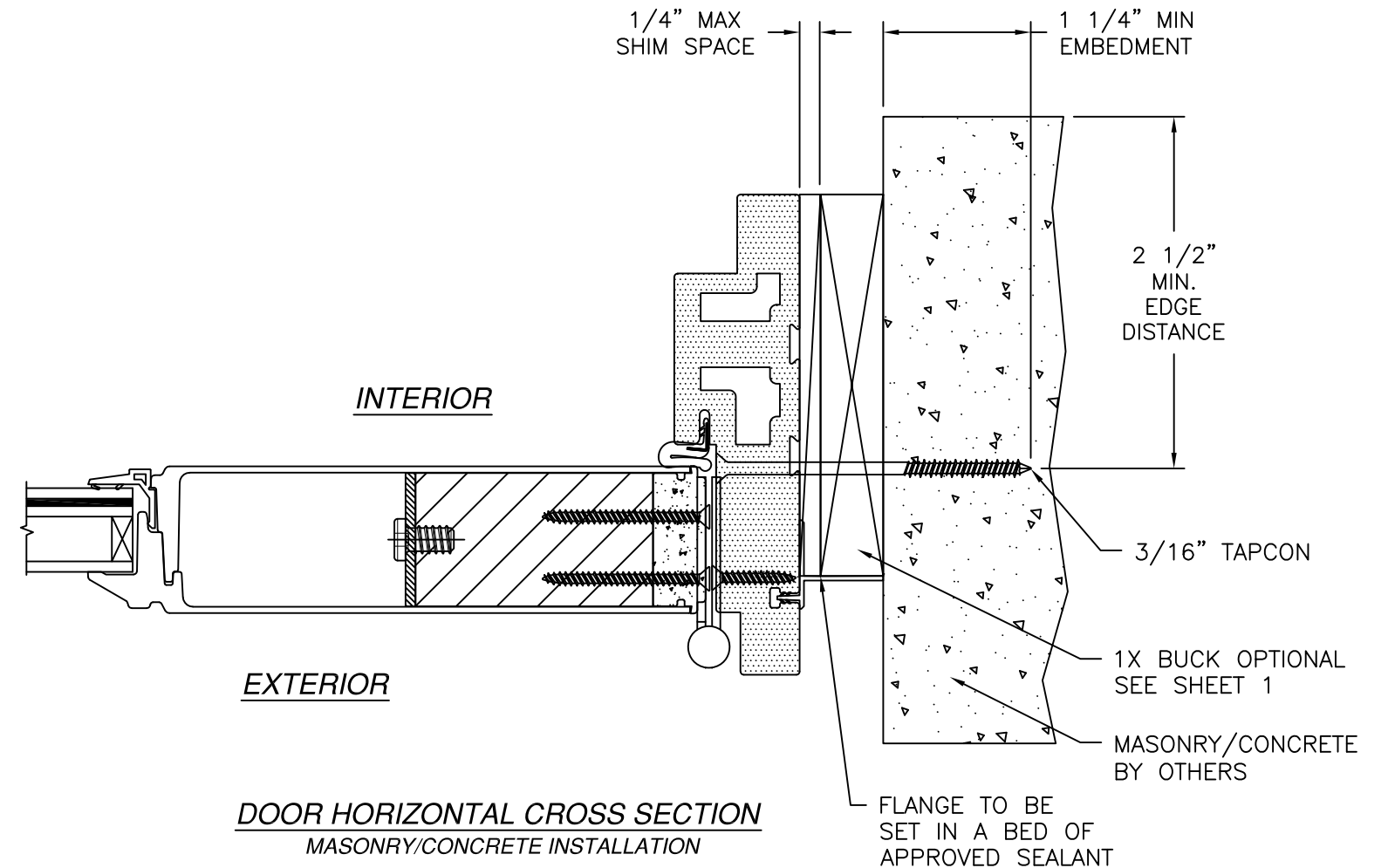
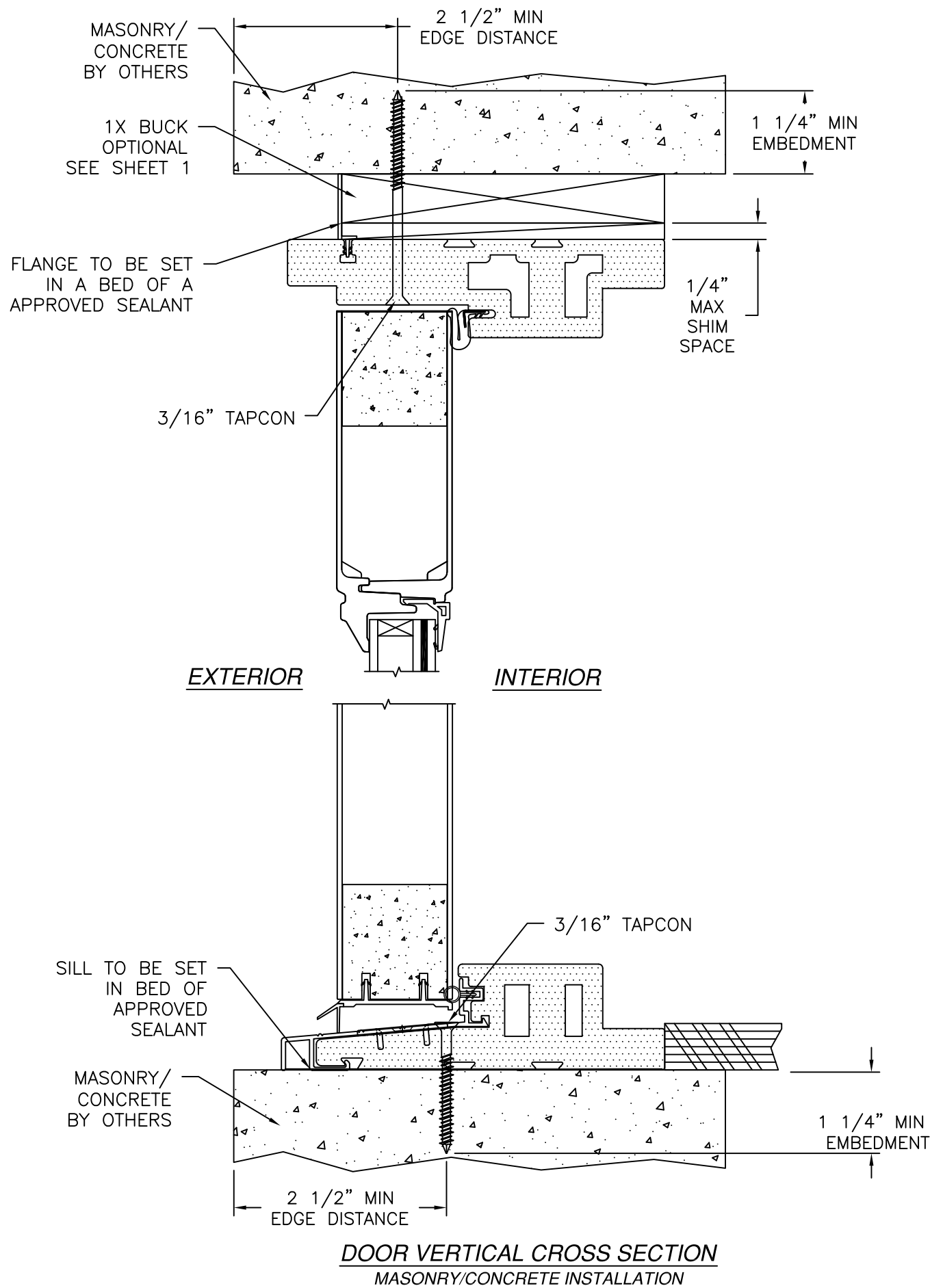
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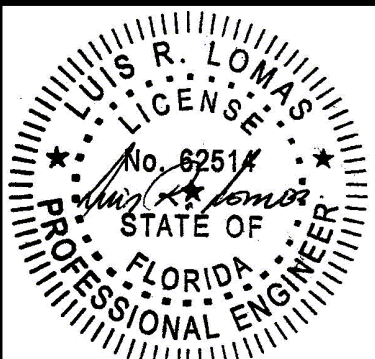
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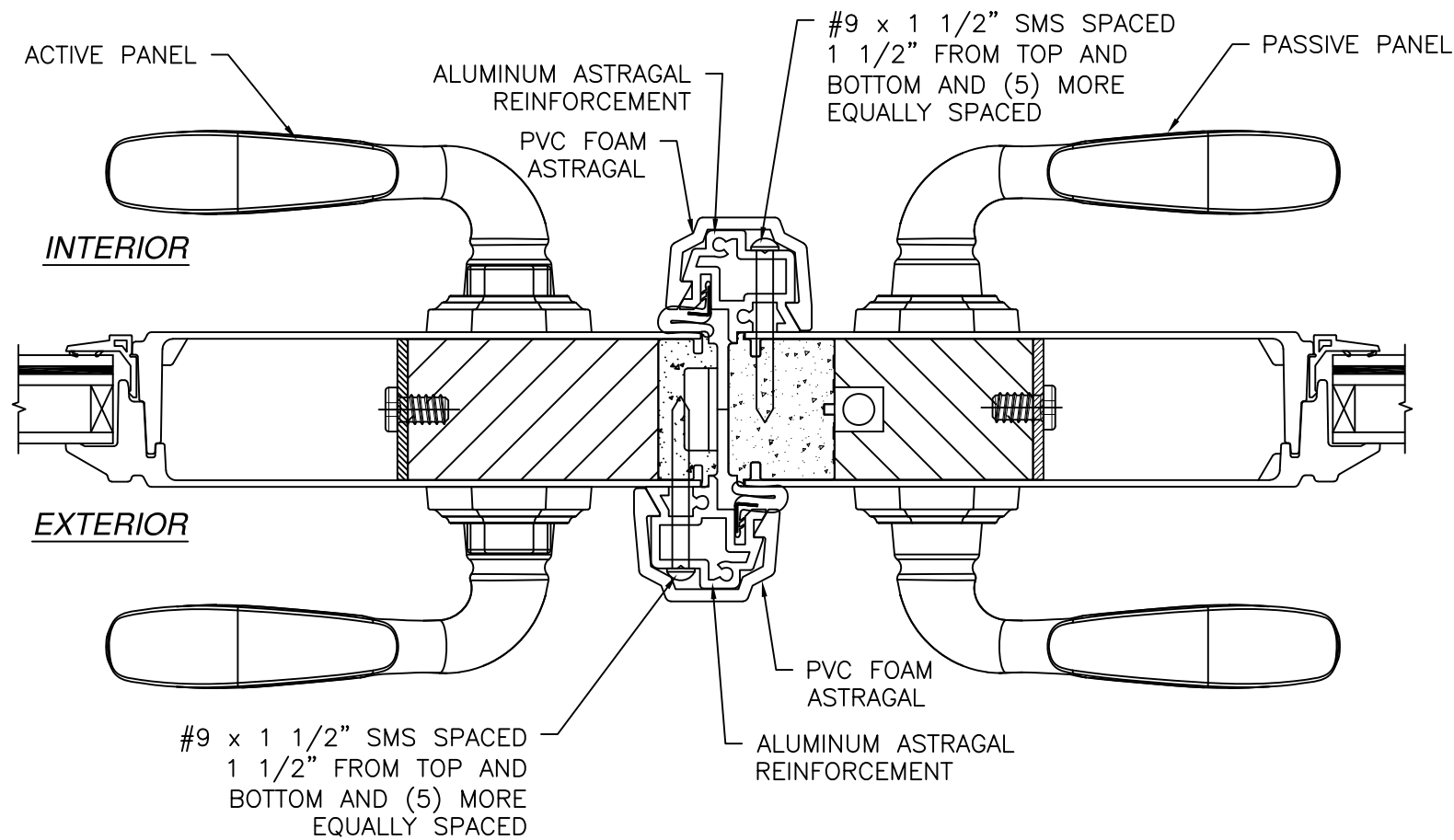
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SCALE NTS	DATE 11/05/10	SHEET 7 OF 9
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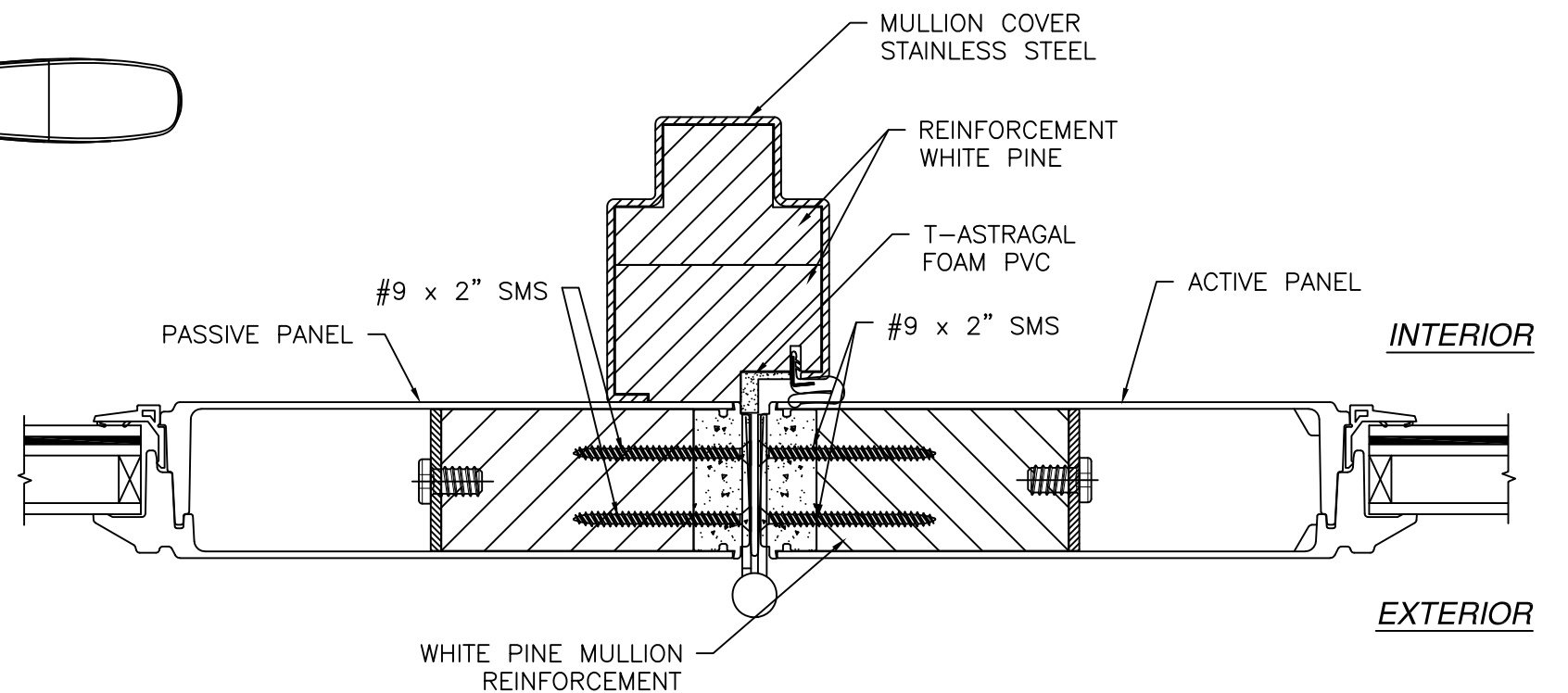


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HORIZONTAL CROSS SECTION
ASTRAGAL DETAIL



HORIZONTAL CROSS SECTION
MULLION DETAIL

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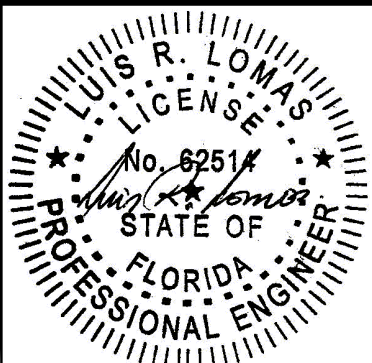
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