REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED TO ADD GLAZING DETAILS	05/04/2021	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.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. 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".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME JAMB AND HEAD MATERIAL: CO–EXTRUDED PVC FOAM 1 1/2" THICK.
12. FRAME SILL MATERIAL: CO–EXTRUDED PVC FOAM 2" THICK WITH ALUMINUM CLADDING .063" THICK.
13. DOOR PANEL AND 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.
14. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 7 FOR GLAZING DETAILS.
15. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS NOT REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
16. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. 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.
18. 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.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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 3,200 PSI.
    C. MASONRY – HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
    D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063–T5 .125" THICK MINIMUM
21. APPROVED CONFIGURATIONS: O, X, OX, XO, XX, OXO, XXO, OXX AND OXXO.
22. HINGES LOCATED AT 8 3/4", 39 1/2" AND 71 3/8" FROM TOP OF PANEL.

SIGNED: 05/17/2021

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	ADDITIONAL CONFIGURATIONS
4 – 5	ANCHORING LAYOUTS
6 – 13	INSTALLATION DETAILS

NAN YA PLASTICS CORPORATION U.S.A.
8989 NORTH LOOP EAST
HOUSTON, TX 77029

IN–SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
NOTES

DRAWN:	DWG NO.	REV
V.L.	08–01549	C

SCALE	DATE	SHEET
NTS	04/30/12	1 OF 13

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

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

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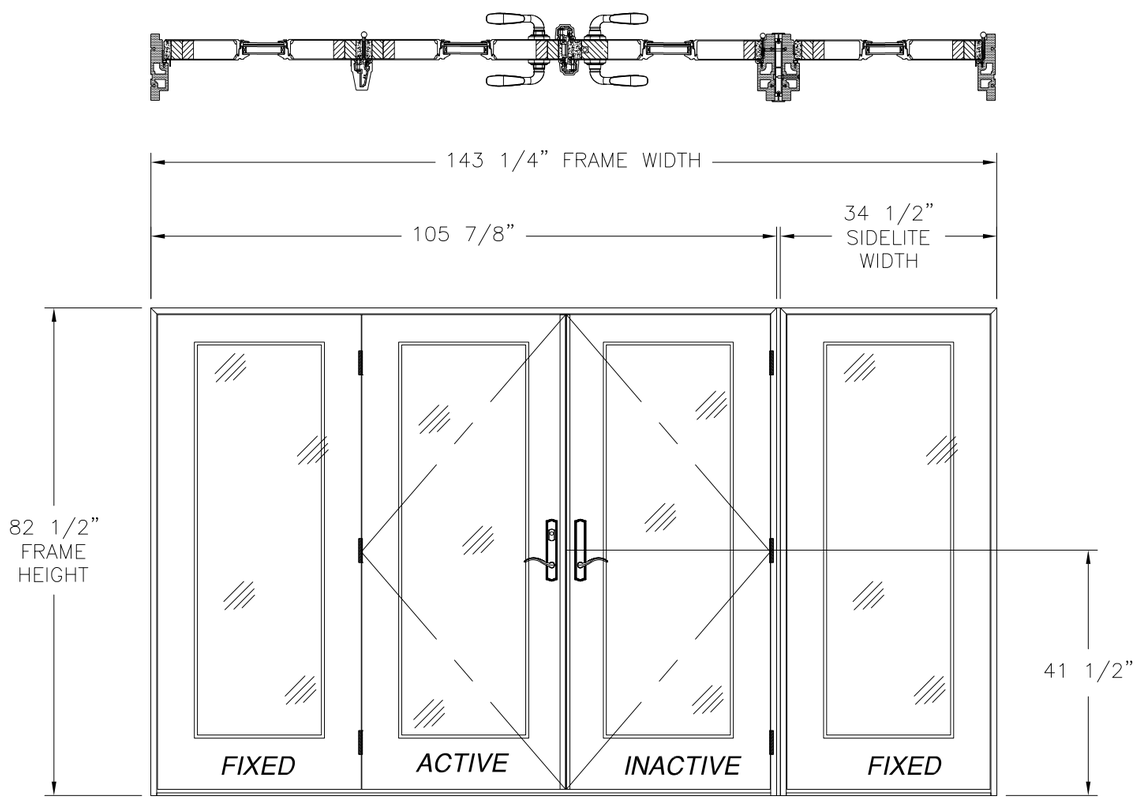

IN-SWING ENTRANCE DOOR
DOUBLE DOOR W/ SIDELITES
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4

(4) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 18.95 FT²

NOTES:
1. *PANEL SIZE: 34 1/2" X 79 1/8"*
2. *D.L.O.: 25" X 63"*

HARDWARE SCHEDULE
A. 2 POINT LOCK BY NINGBO MICOTA (INACTIVE PANEL)
B. 3 POINT LOCK BY NINGBO MICOTA (ACTIVE PANEL)
C. (4) 4"x4" BUTT HINGES BY WENZHOU LONGTAI (PER PANEL)
D. ALUMINUM & PVC FOAM ASTRAGAL BY NAN YA PLASTICS
E. ALUMINUM & PVC FOAM MULLION BY NAN YA PLASTICS

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IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
ELEVATION

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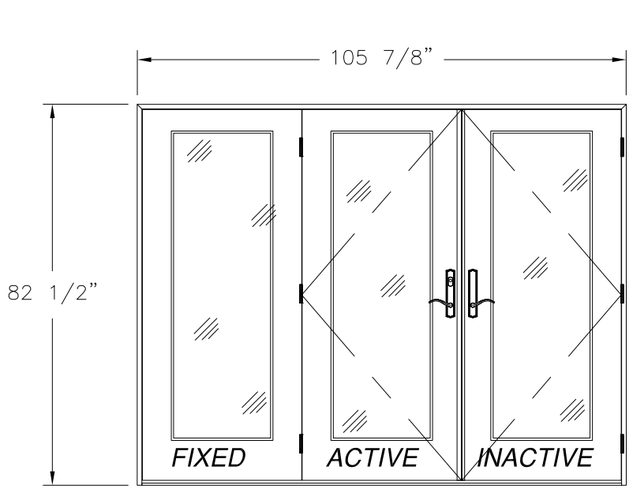
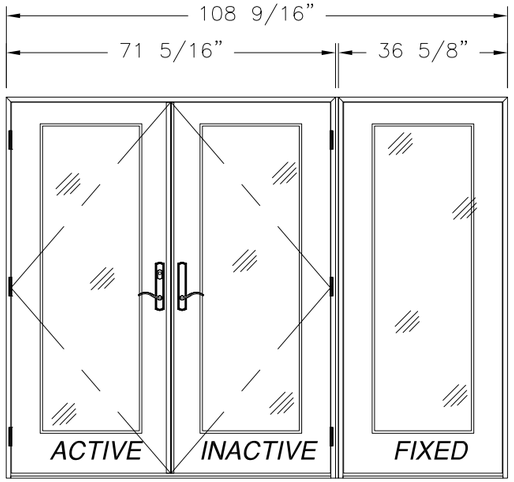
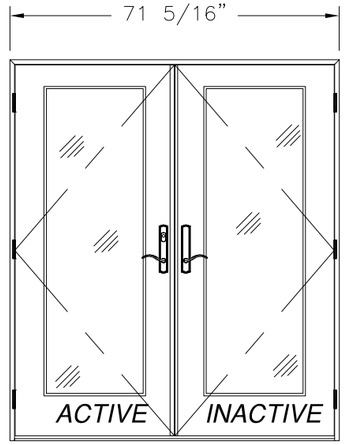


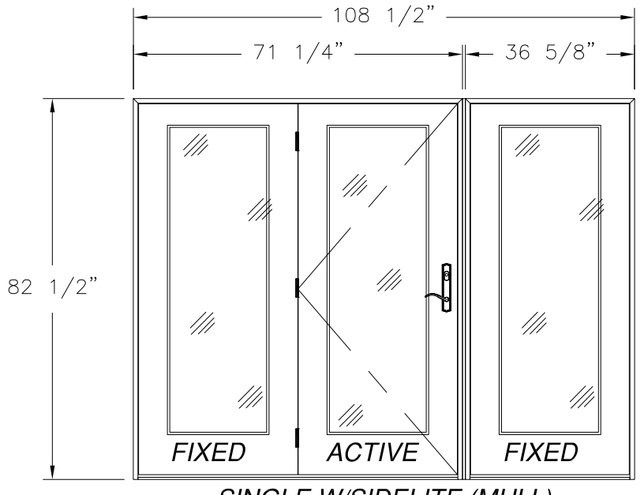
DOUBLE W/SIDELITE
EXTERIOR VIEW



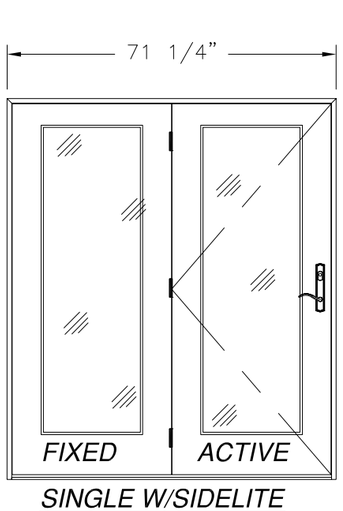
DOUBLE W/SIDELITE (MULL)
EXTERIOR VIEW



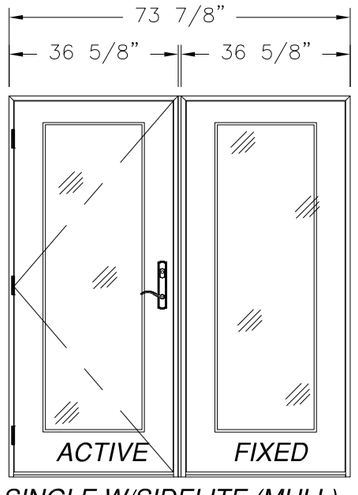
DOUBLE
EXTERIOR VIEW



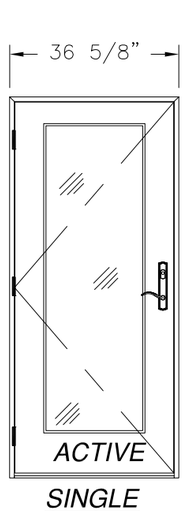
SINGLE W/SIDELITE (MULL)
EXTERIOR VIEW



SINGLE W/SIDELITE
EXTERIOR VIEW



SINGLE W/SIDELITE (MULL)
EXTERIOR VIEW



SINGLE
EXTERIOR VIEW

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

SIGNED: 05/17/2021

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IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
ADDITIONAL CONFIGURATIONS

DRAWN:	DWG NO.	REV
V.L.	08-01549	C

SCALE	DATE	SHEET
NTS	04/30/12	3 OF 13

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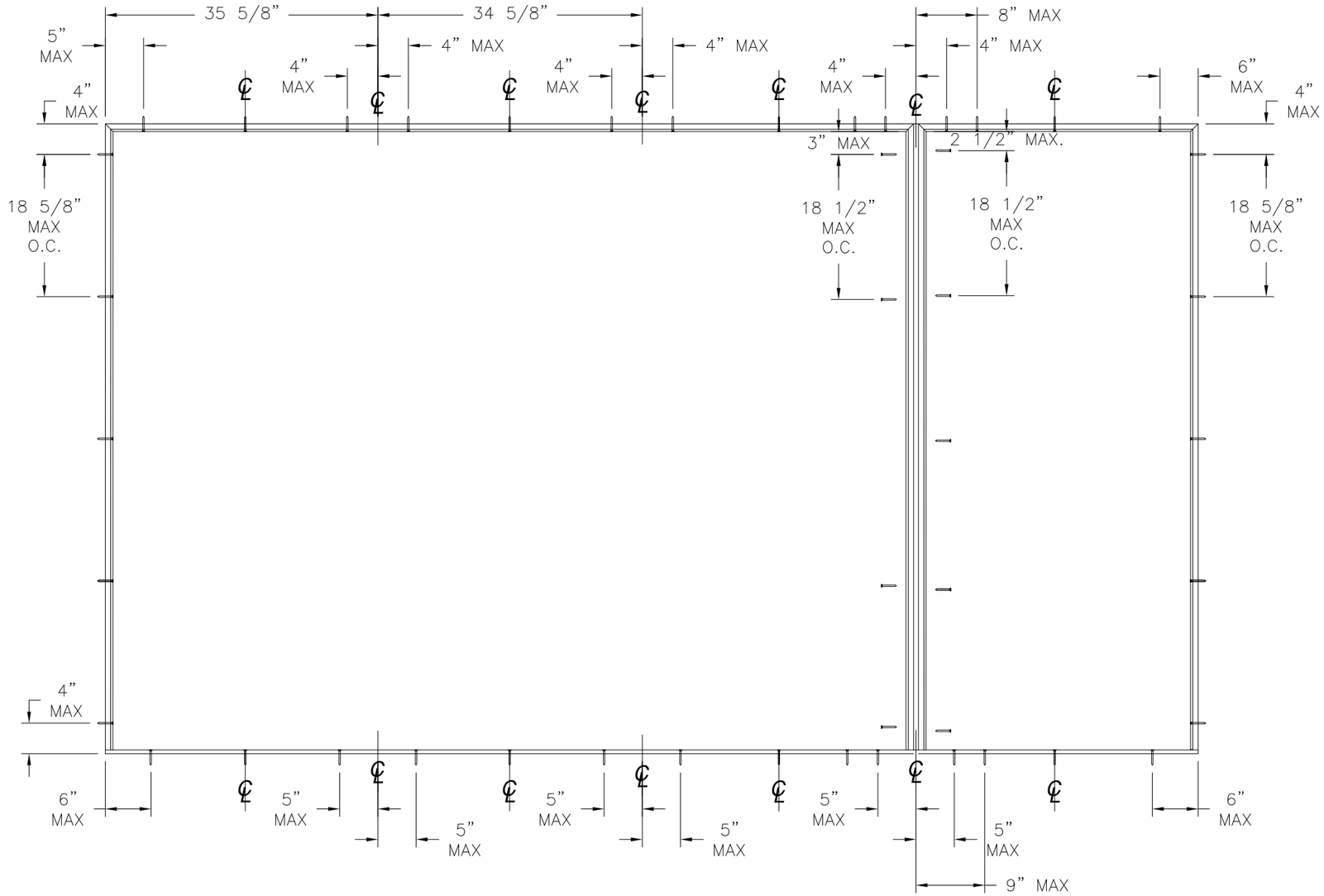

ANCHORING LAYOUT

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8989 NORTH LOOP EAST
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IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
ANCHORING LAYOUT

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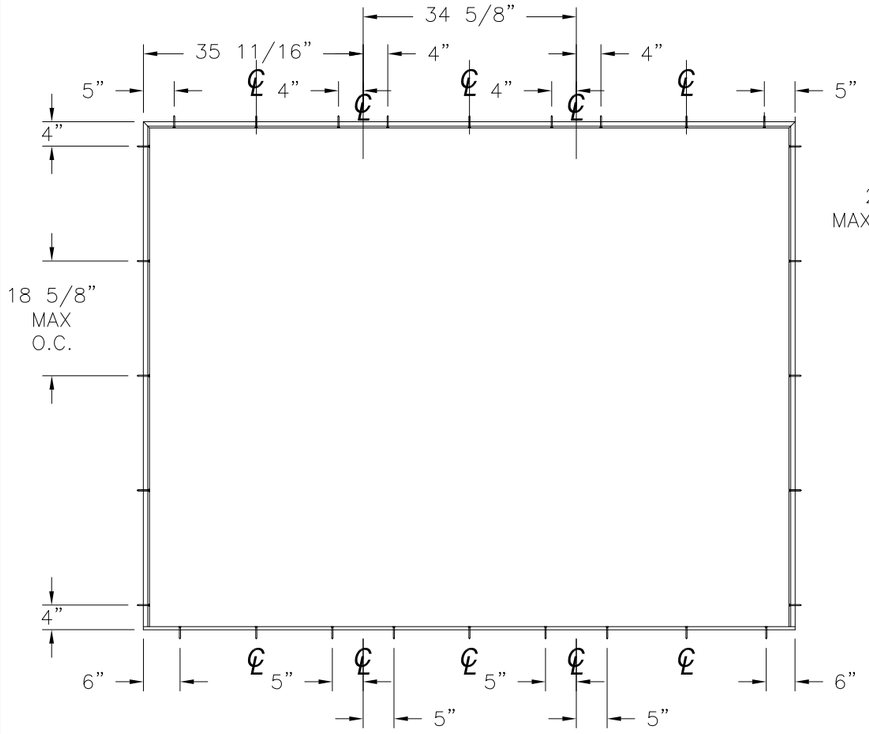
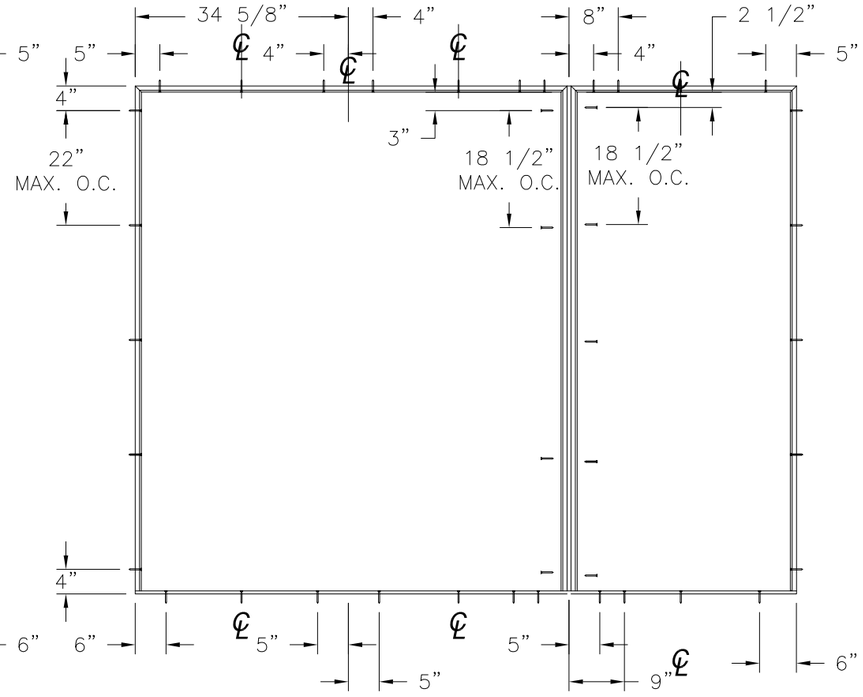
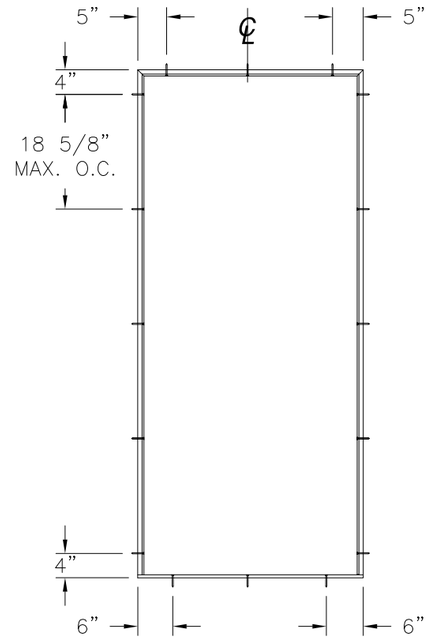


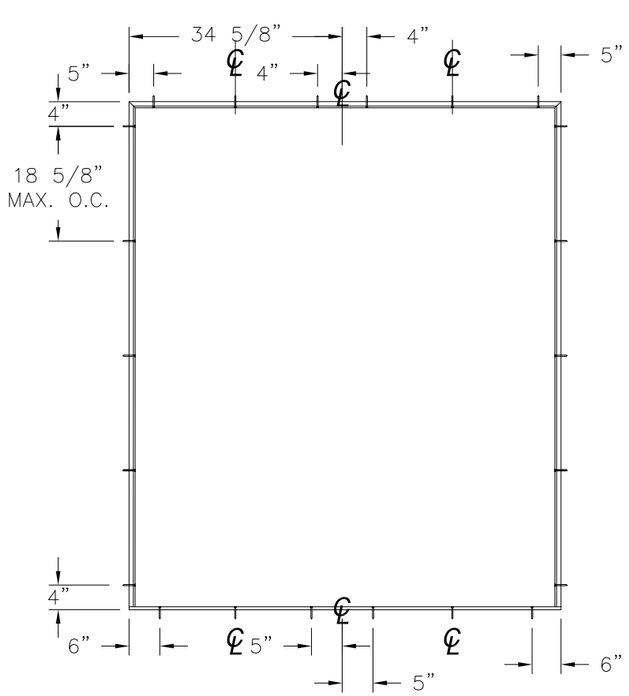
ANCHORING LAYOUT FOR OXO, XXO AND OXX



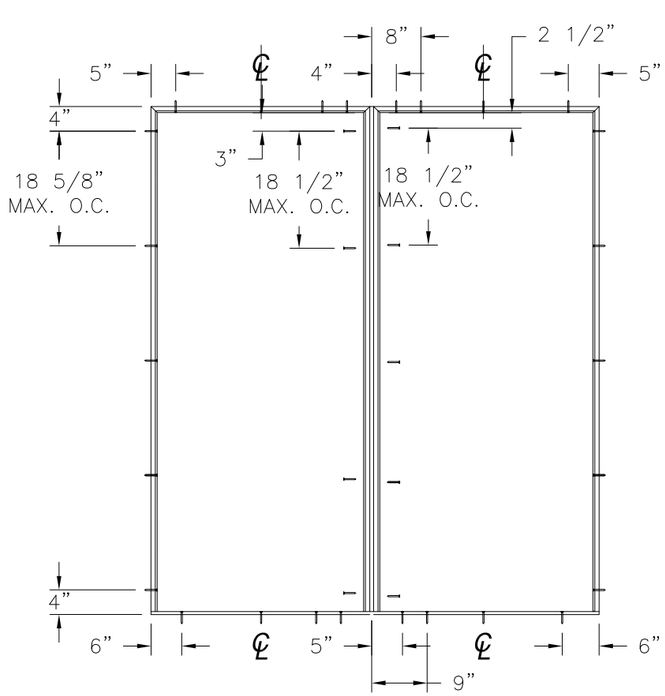
ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)



ANCHORING LAYOUT FOR X



ANCHORING LAYOUT FOR XX, OX AND XO



ANCHORING LAYOUT FOR OX AND XO (MULL)

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IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
ANCHORING LAYOUTS

DRAWN:	DWG NO.	REV
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SCALE NTS	DATE 04/30/12	SHEET 5 OF 13

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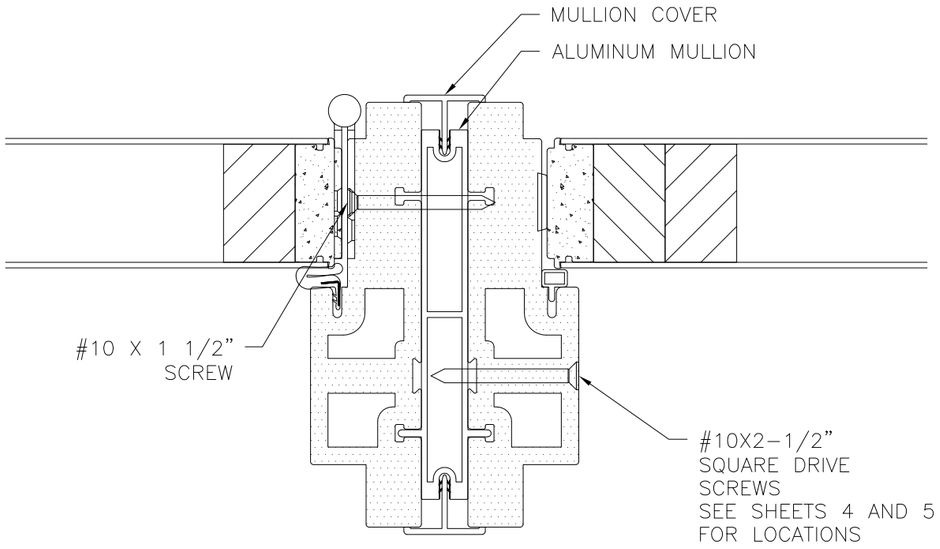
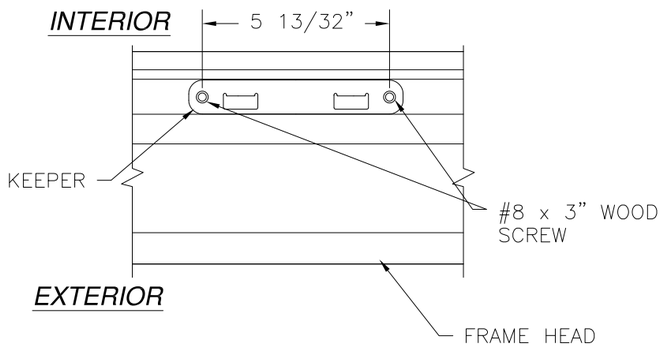
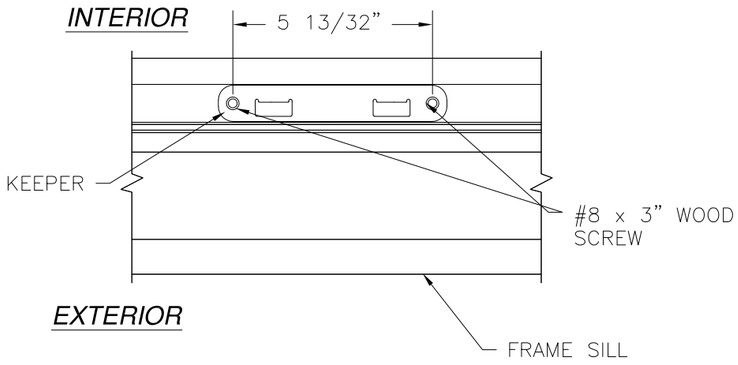


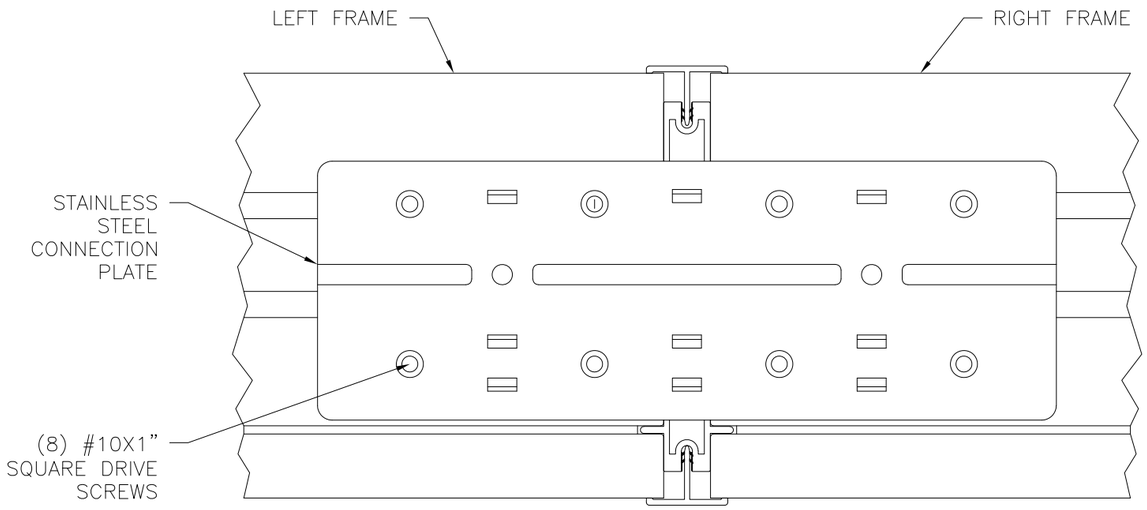
MULLION DETAIL



HEAD KEEPER DETAIL

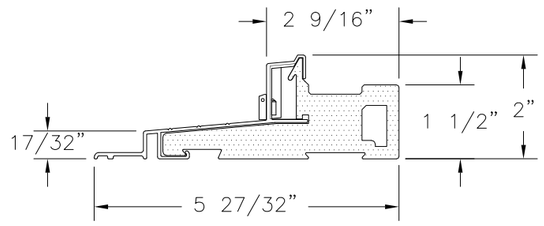


SILL KEEPER DETAIL



FRAME CONNECTION DETAIL

HINGE INSTALLATION DETAIL



DOOR SILL

SIGNED: 05/17/2021

NAN YA PLASTICS CORPORATION U.S.A.
8989 NORTH LOOP EAST
HOUSTON, TX 77029

IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
V.L.	08-01549	C
SCALE NTS	DATE 04/30/12	SHEET 6 OF 13

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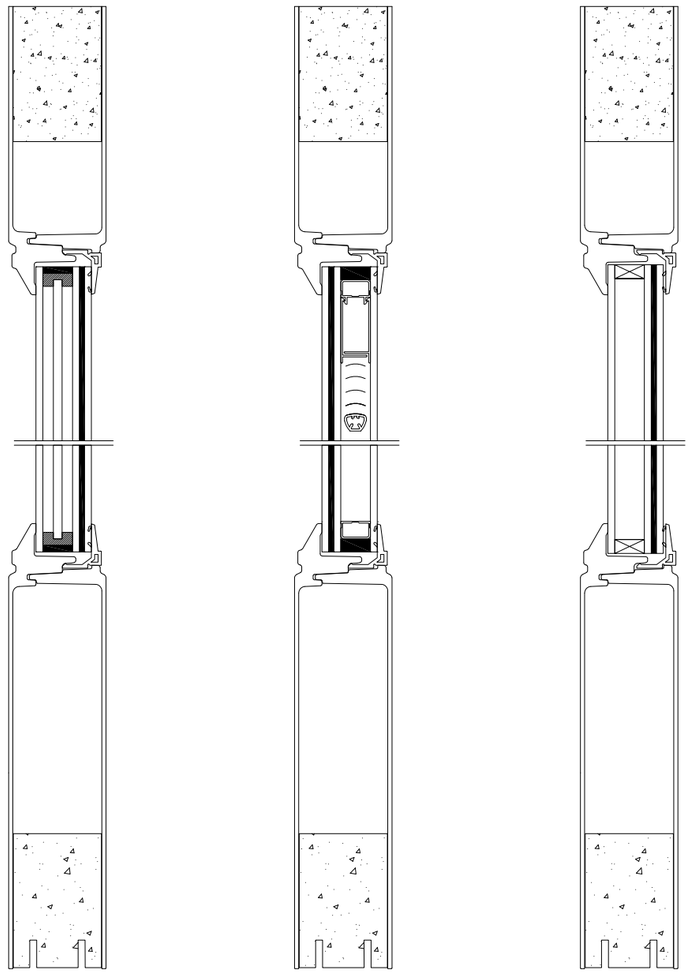
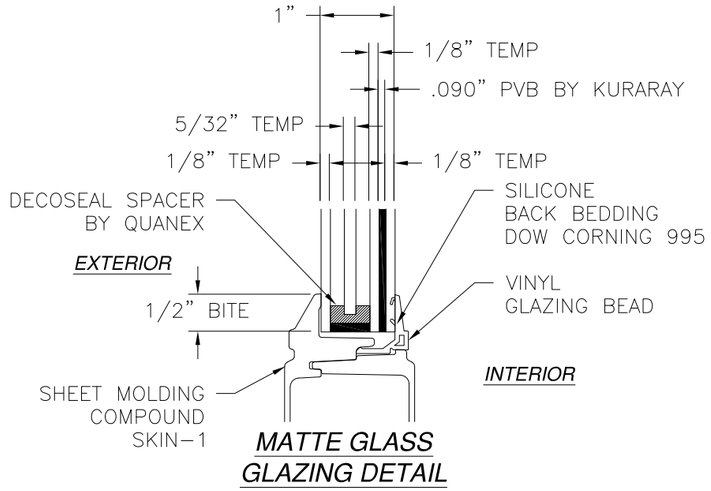
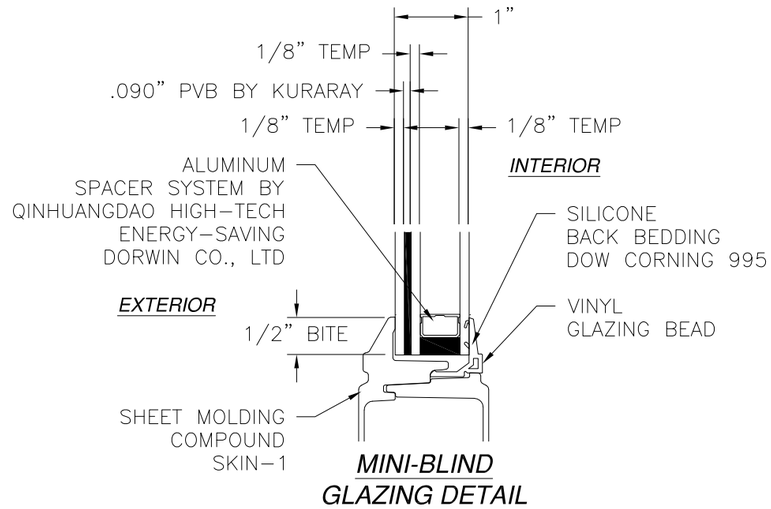
APPROVED PANEL CONFIGURATIONS



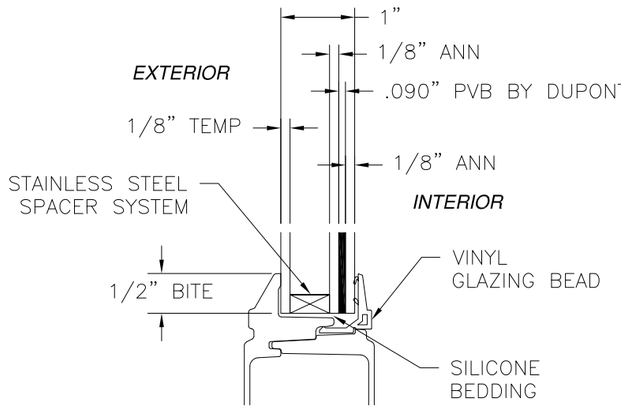
W/MATTE GLASS | W/MINI-BLIND | STANDARD



MATTE GLASS GLAZING DETAIL



MINI-BLIND GLAZING DETAIL



STANDARD GLAZING DETAIL

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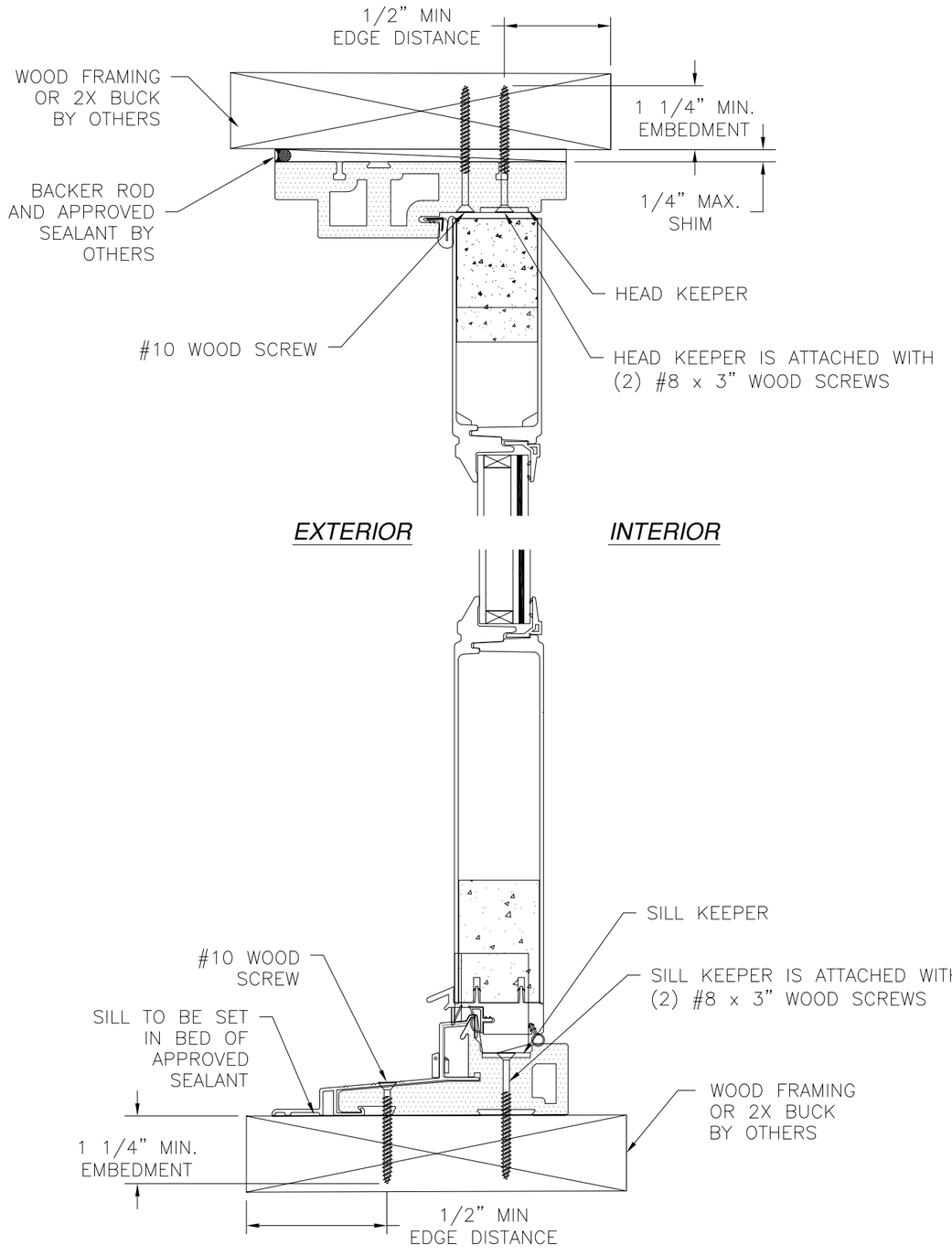
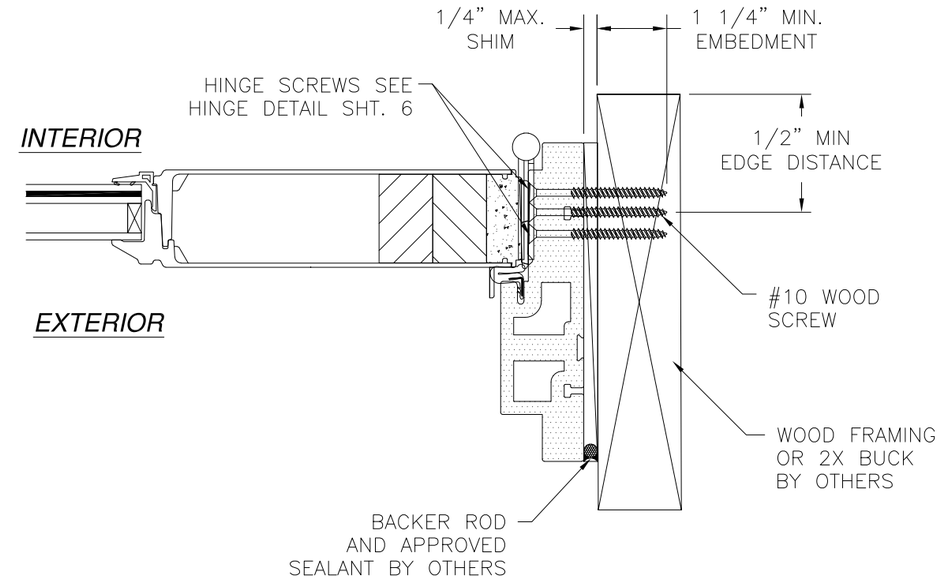


DOOR VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION



DOOR HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING 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: 05/17/2021

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IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
INSTALLATION DETAILS

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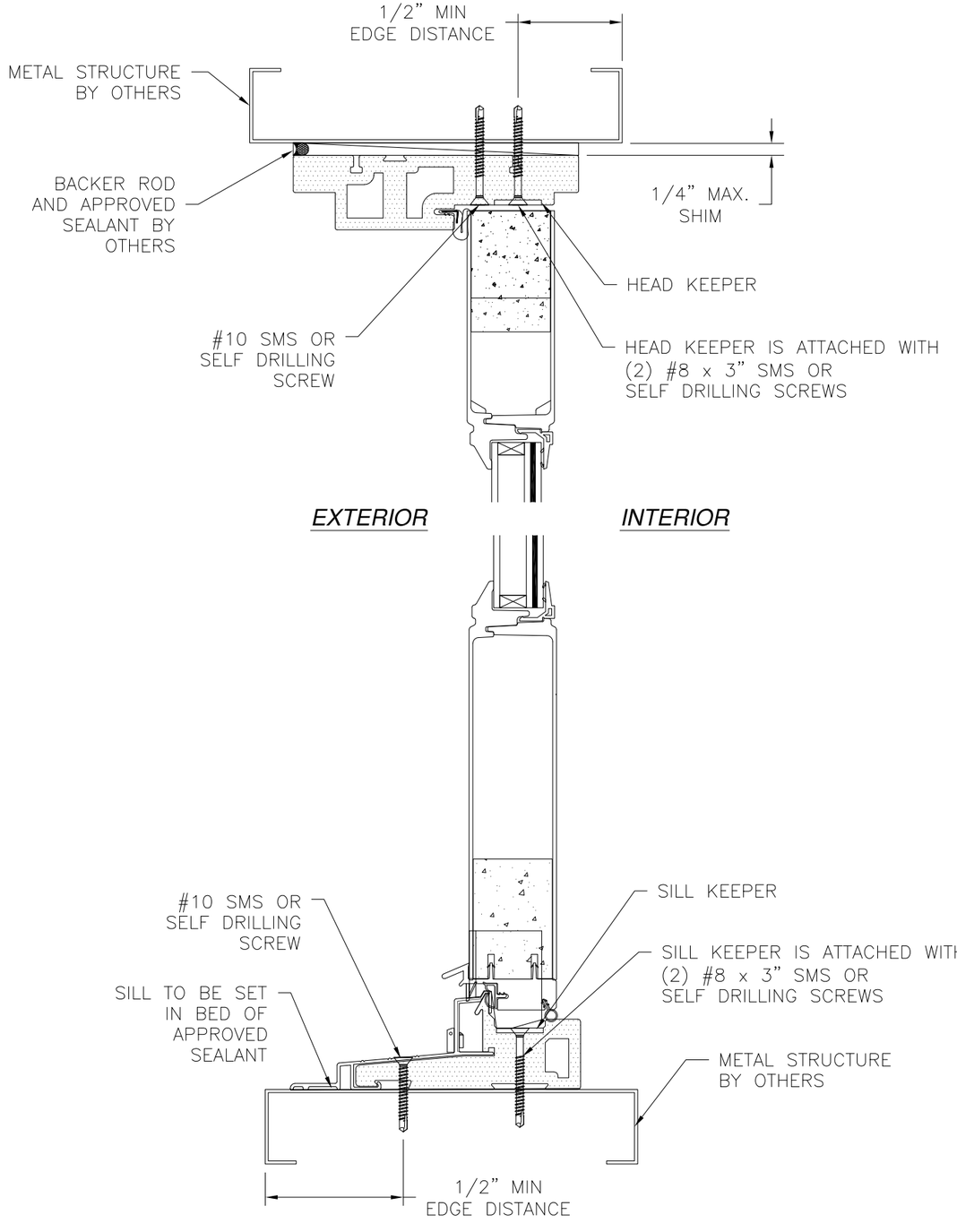
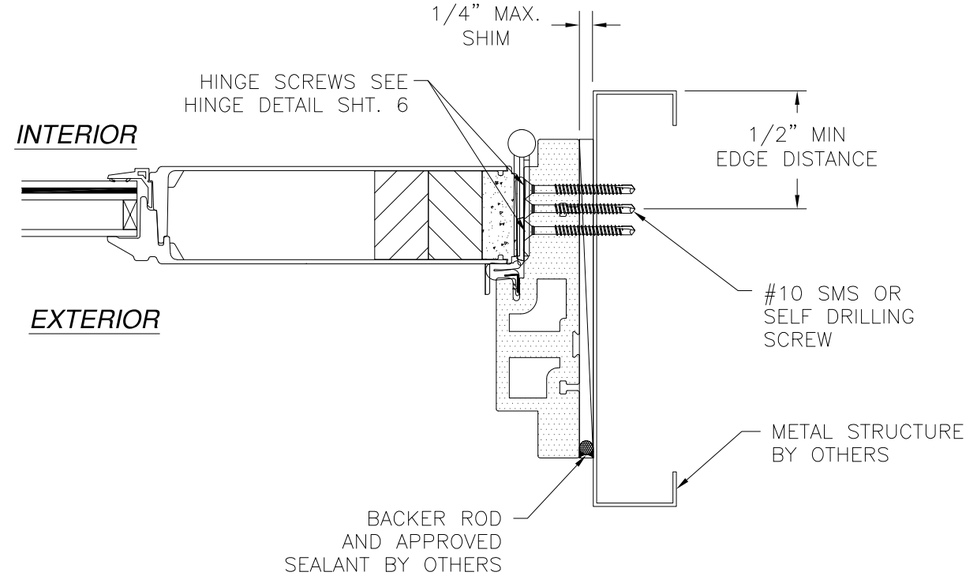


DOOR VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



DOOR HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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IN-SWING ENTRANCE DOOR W/SIDELITES
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NTS	04/30/12	9 OF 13

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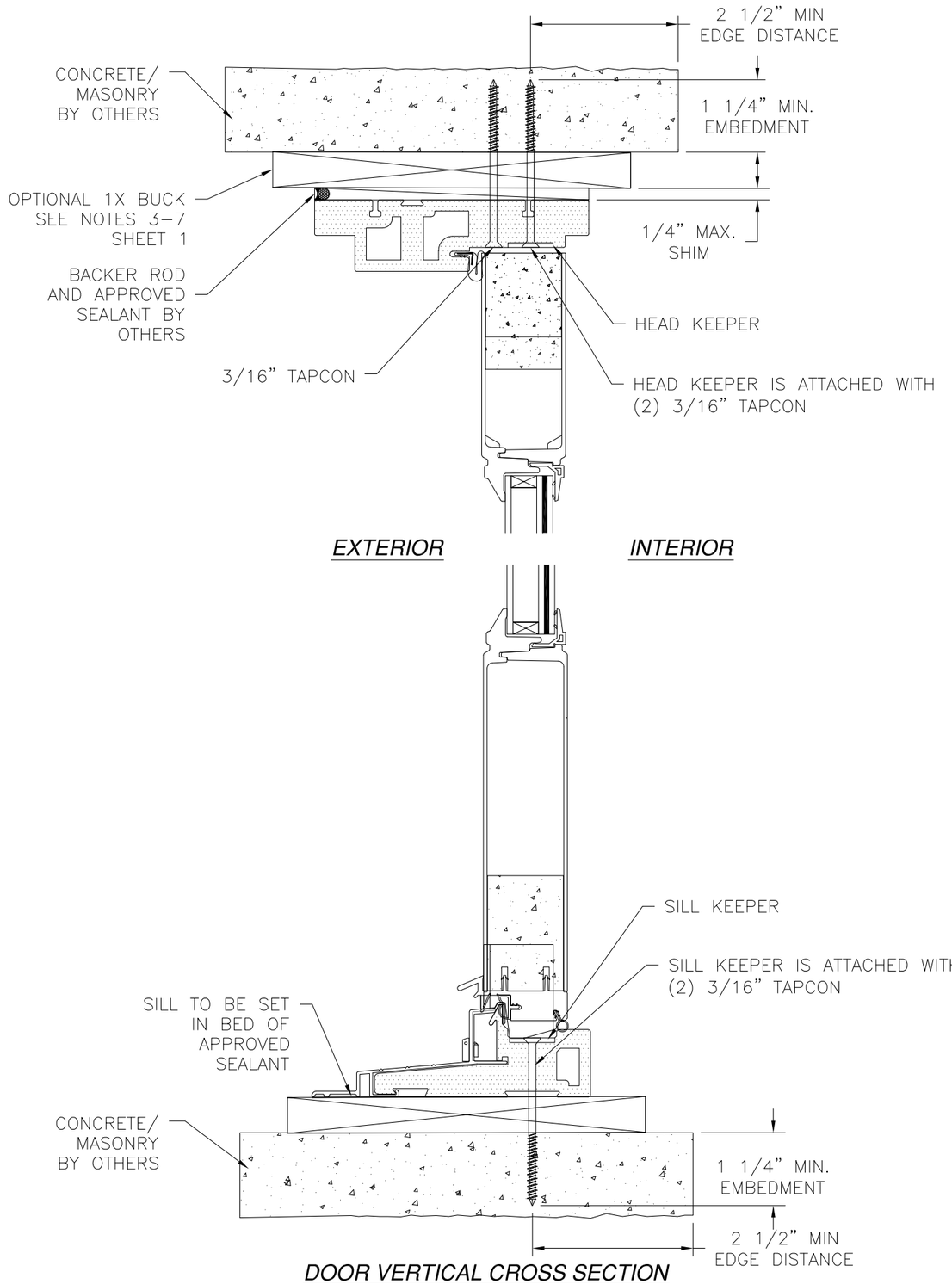
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

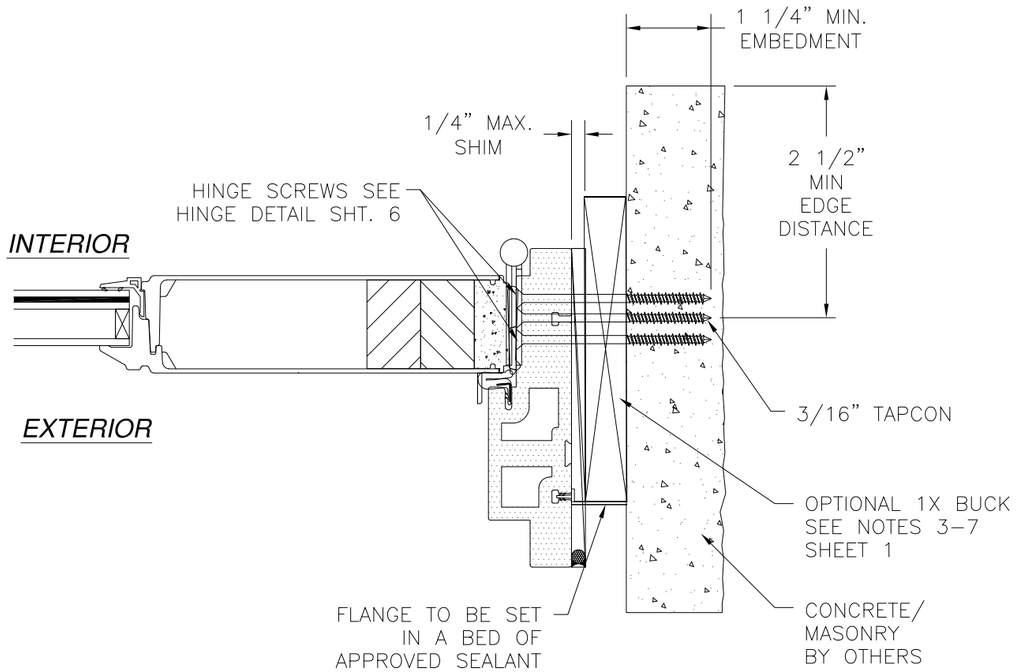
LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED TO ADD GLAZING DETAILS	05/04/2021	R.L.



DOOR VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



DOOR HORIZONTAL CROSS SECTION
CONCRETE/MASONRY 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: 05/17/2021

NAN YA PLASTICS CORPORATION U.S.A.
8989 NORTH LOOP EAST
HOUSTON, TX 77029

IN–SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
V.L.	08–01549	C

SCALE	DATE	SHEET
NTS	04/30/12	10 OF 13

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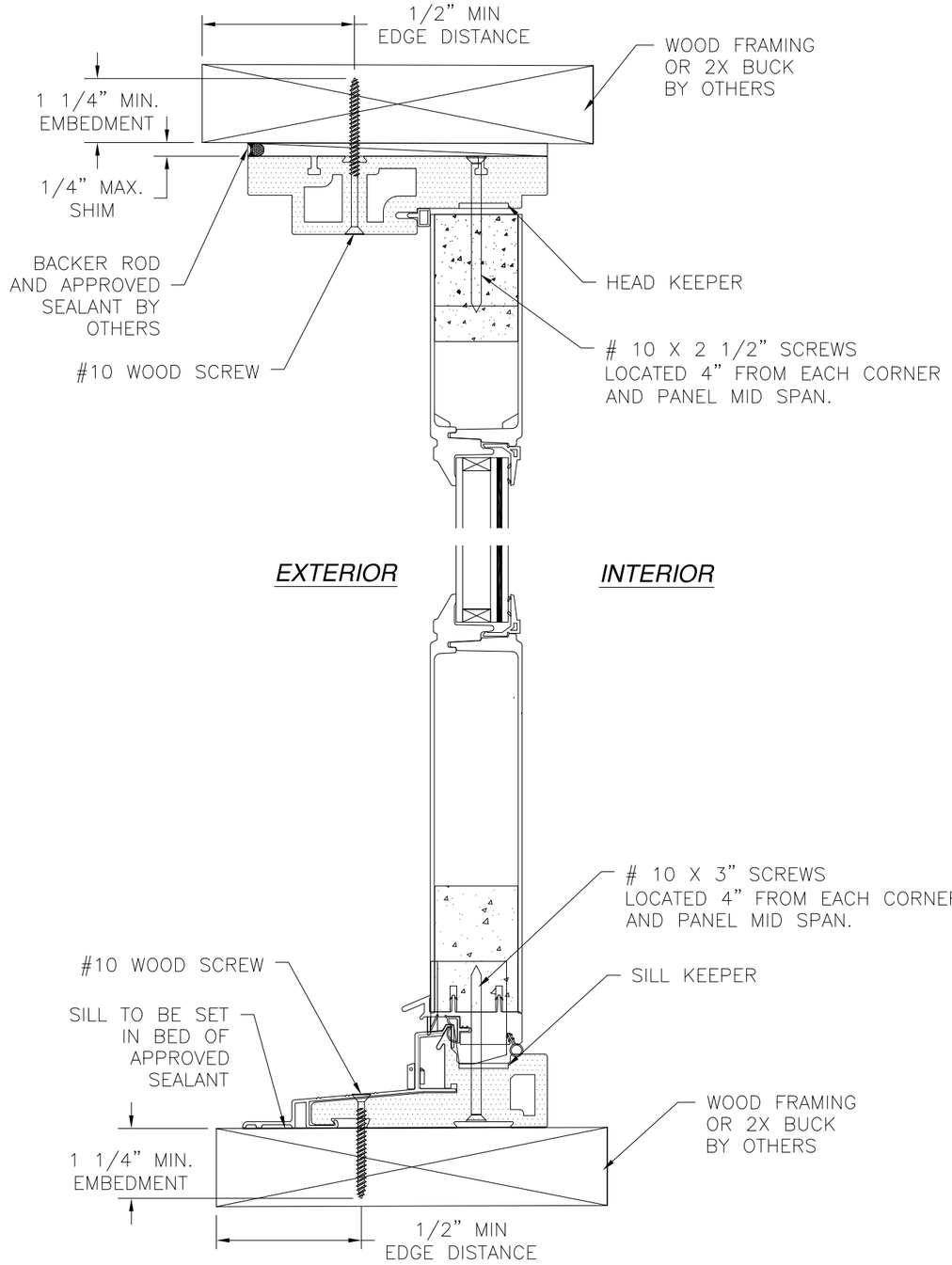
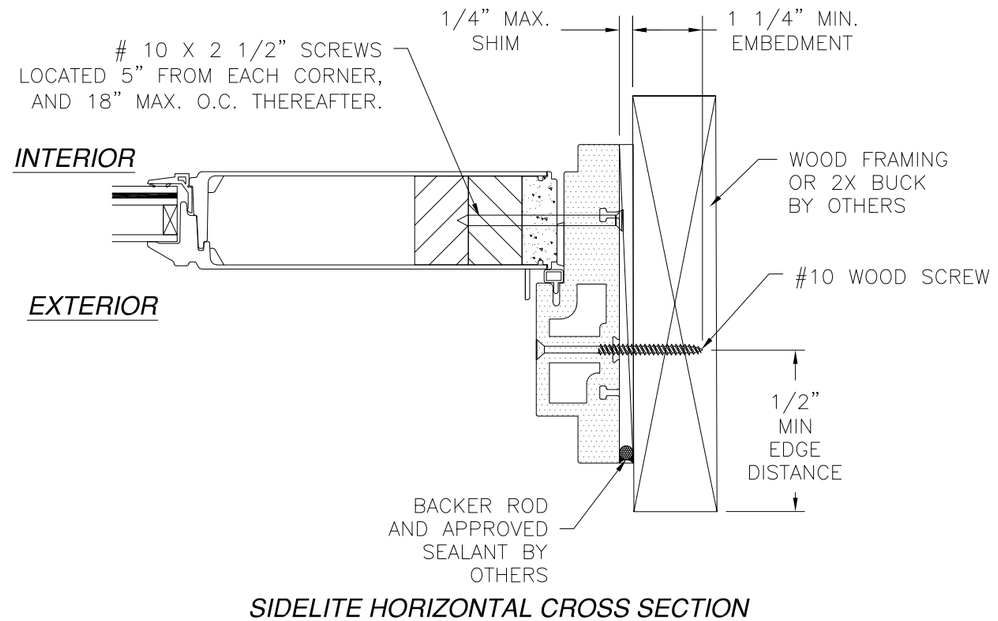


SIDELITE VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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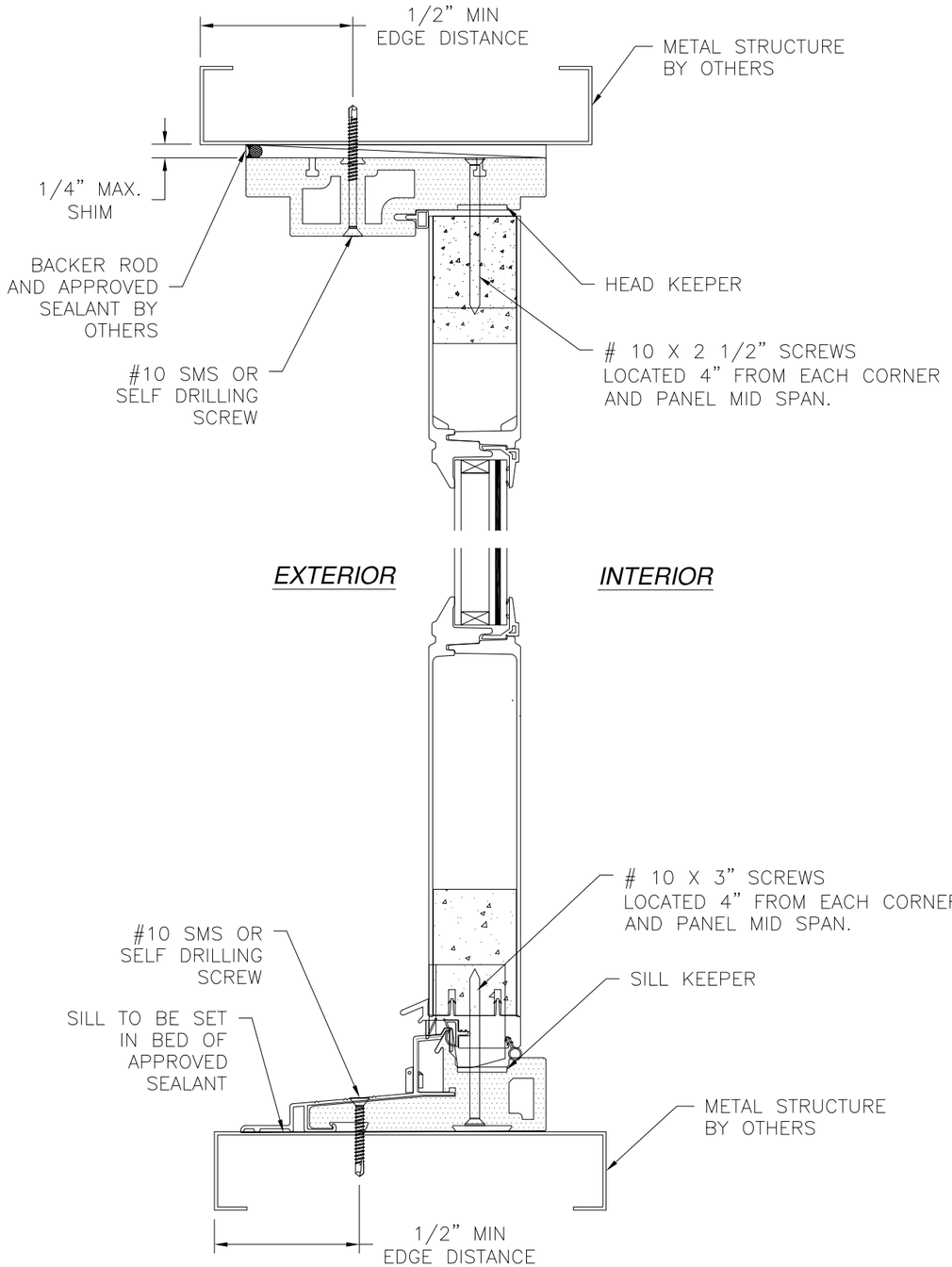
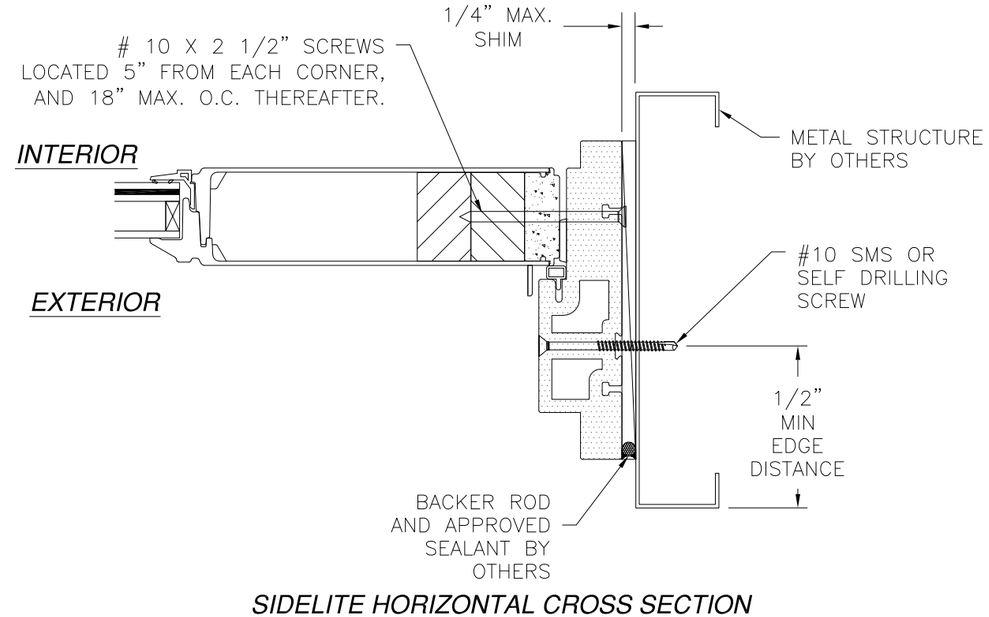


SIDELITE VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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SCALE NTS	DATE 04/30/12	SHEET 12 OF 13

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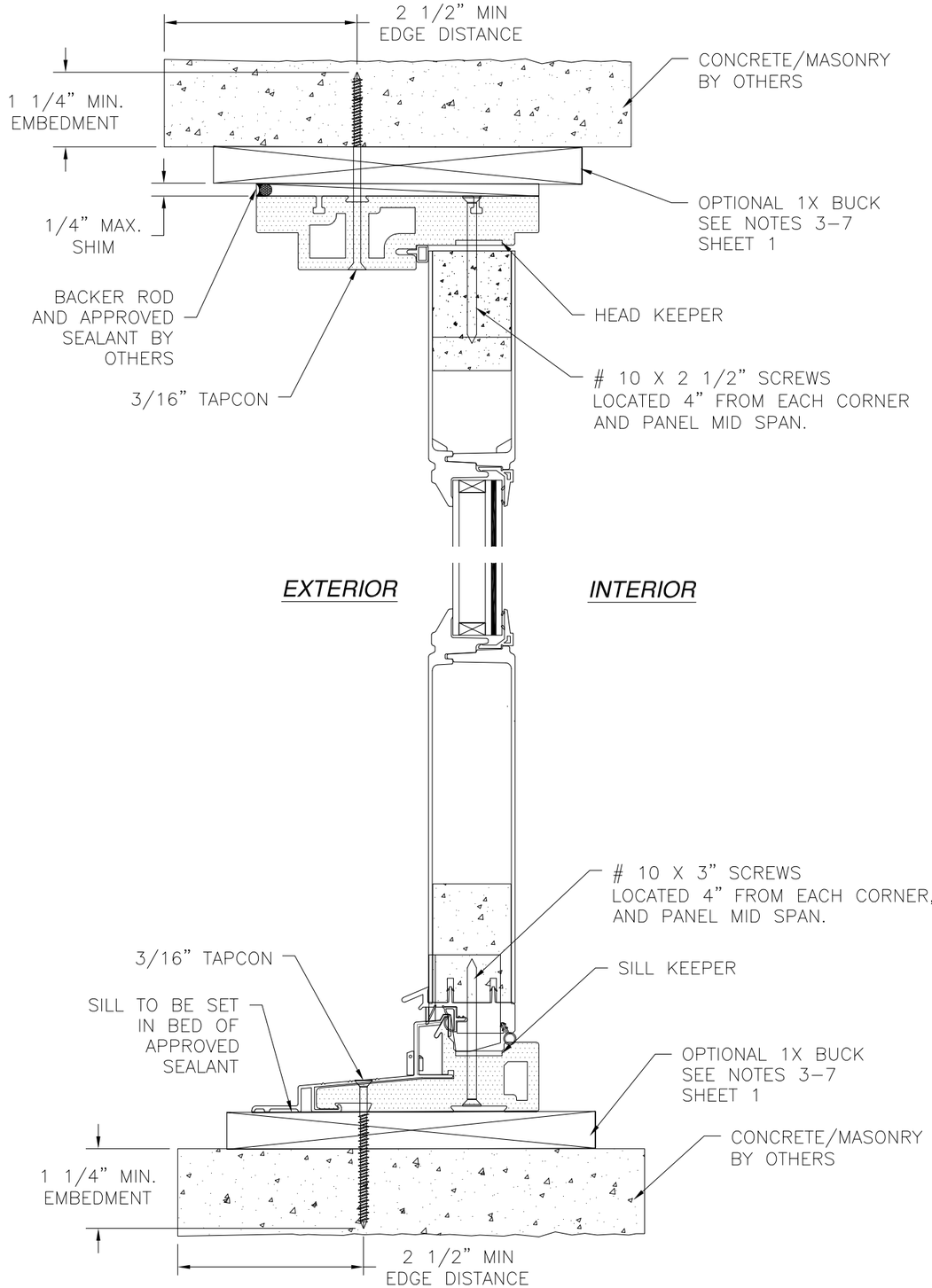
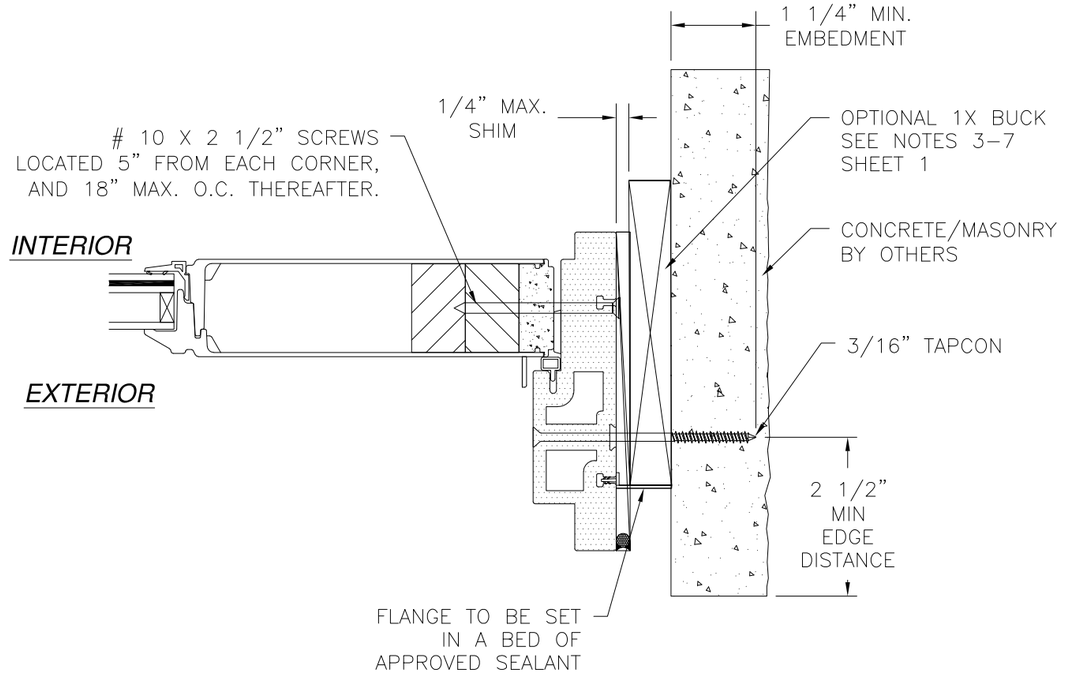


SIDELITE VERTICAL CROSS SECTION

CONCRETE/MASONRY INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION

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