REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	
А	REVISED PER NEW CODE	12/20/2021	R.L.	

#### NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2018 IBC AND 2018 IRC.
- 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 MATERIAL: CO-EXTRUDED PVC FOAM.
- 12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 2 FOR GLASS DETAILS.
- 13. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS NOT REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 14. 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.

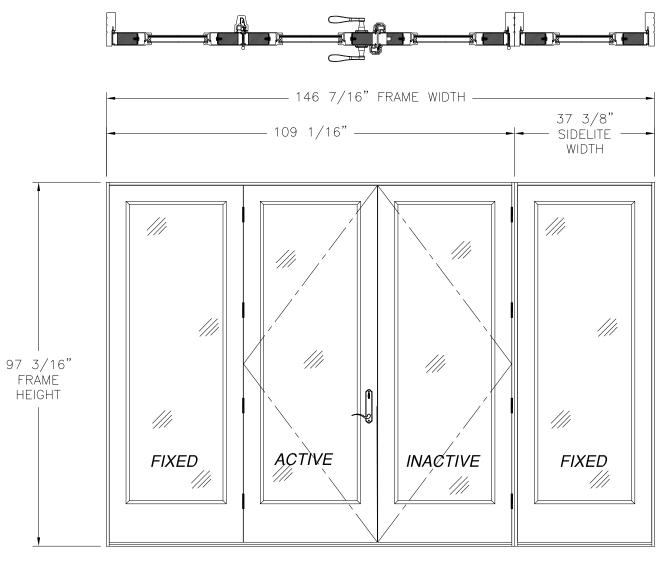
- 15. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 17. ALL FASTENERS TO BE CORROSION RESISTANT.
- 18. 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).
- D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
- 19. APPROVED CONFIGURATIONS: X, X/O, O/X, OX, XO, OX/O, XO/O, XX, XX/O, O/XX, OXX, XXO, OXX/O AND O/XXO, SEE SHEET 3.
- 20. SIDELITES ARE ASSEMBLED TO FRAME WITH #10 X 3" WOOD SCREWS LOCATED 4" FROM EACH END AND 23 1/8" MAX O.C. THEREAFTER AT JAMBS AND 4" FROM EACH END AND ONE AT MIDSPAN AT HEAD AND SILL.

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NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029 TABLE OF CONTENTS SLPS PATIO DOOR LITE 8'0 OUTSWING SHEET NO. DESCRIPTION LARGE MISSILE IMPACT NOTES NOTES 2 ELEVATION AND GLAZING DETAIL DRAWN: DWG NO. APPROVED CONFIGURATIONS 3 08-03341 A.R. SCALE NTS DATE 10/25/18 SHEET 1 OF 14 ANCHORING LAYOUTS 4 - 5 L. ROBERTO LOMAS P.E. INSTALLATION DETAILS 6 - 121432 WOODFORD RD LEWISVILLE, NC 27023 13 - 14 | COMPONENTS 434-688-0609 rllomas@lrlomaspe.com

LUIS K LOWNES TO 101889





SLPS PATIO DOOR LITE 8'0 OUTSWING

EXTERIOR VIEW

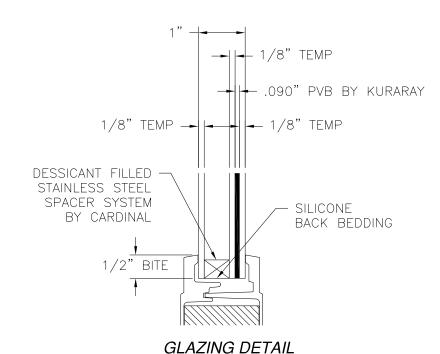
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

REVISIONS				
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NOTES:

- 1. PANEL SIZE: 35 3/4" X 95 1/4"
- 2. D.L.O.: 25 " X 79"



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NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029

SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT ELEVATIONS AND GLAZING DETAILS

DRAWN: DWG NO. REV
A.R. 08-03341 A

SCALE NTS DATE 10/25/18 SHEET 2 OF 14

L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E. TX No.: 101889 Firm No: F-23130

HARDWARE SCHEDULE

A. HANDLE SETS AT ACTIVE PANEL

B. STAINLESS STEEL FLUSH BOLT BAR WITH KEEPER AT PASSIVE PANEL

. FLUSH BOLT MECHANISM (DIE CAST, STEEL, POM) AT PASSIVE PANEL

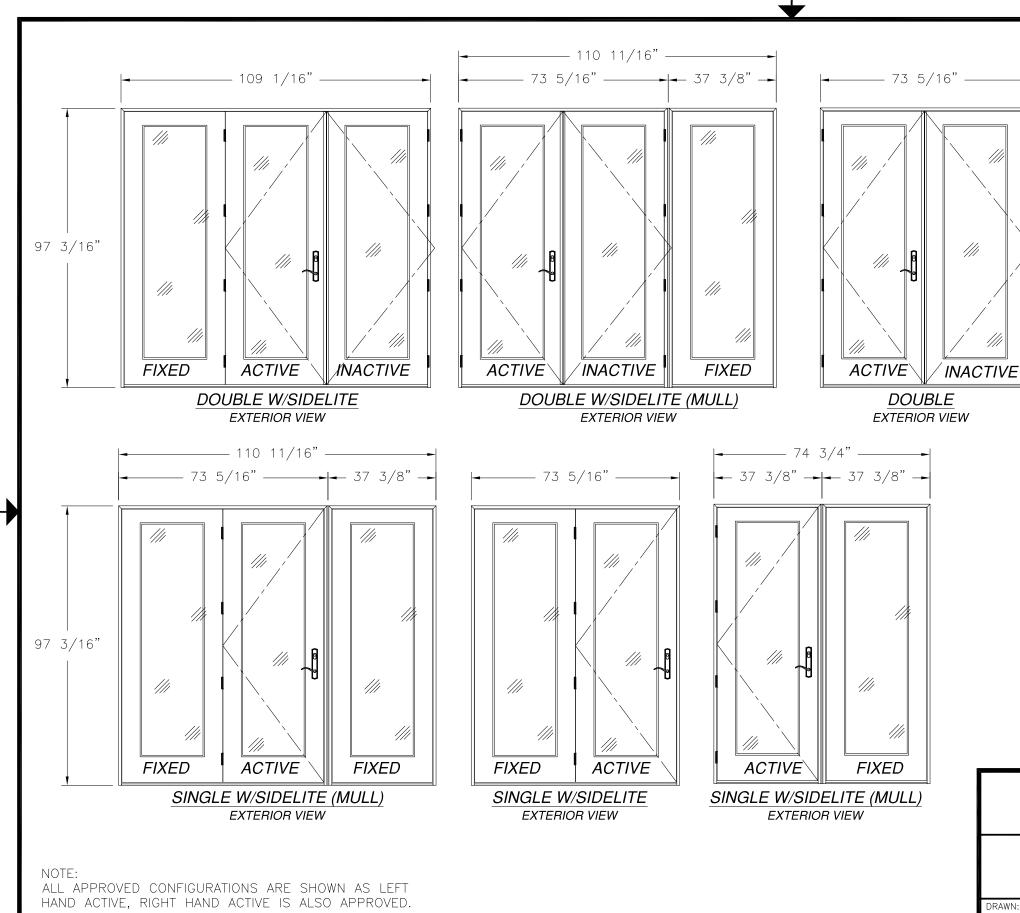
D. STAINLESS STEEL MULTI-POINT LOCK WITH KEEPERS AT 8 3/8", 51 3/4" AND 90 1/8" FROM FRAME HEAD

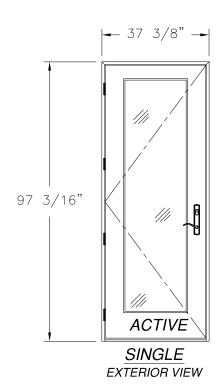
E. TASTRAGAL AT ACTIVE AND PASSIVE PANELS

F. (4) 4X4 DOOR HINGE, 5 3/4", 31 1/4", 56 3/4" & 82 1/4" FROM FRAME HEAD AT STILE OF ACTIVE AND PASSIVE PANEL

G. ALUMINUM REINFORCEMENT (A) AT ASTRAGAL

H. ALUMINUM MULLION REINFORCEMENT (B) AT INTEGRAL MULLION





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NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029

SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT APPROVED CONFIGURATIONS

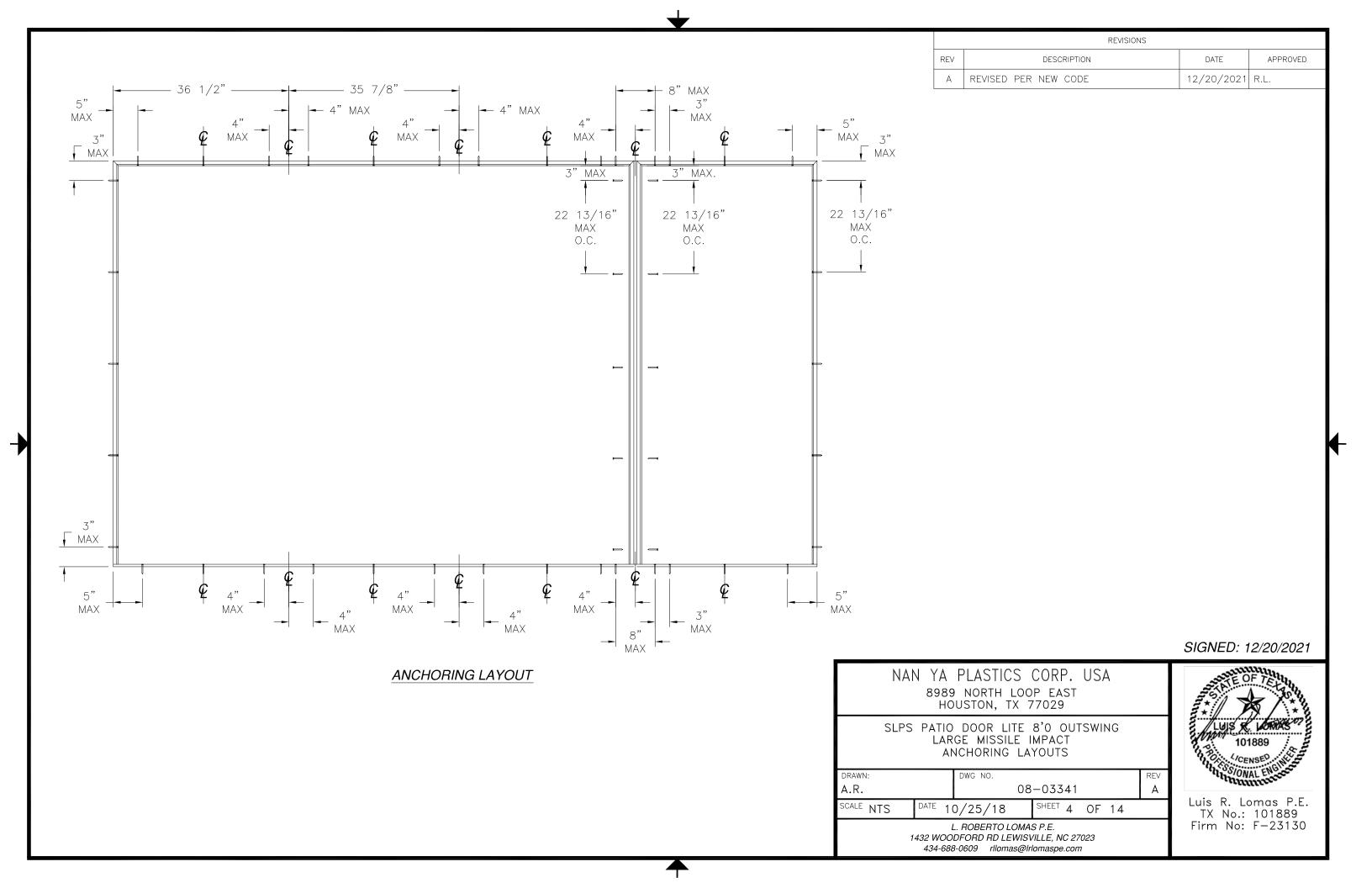
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A.R. 08-03341 A

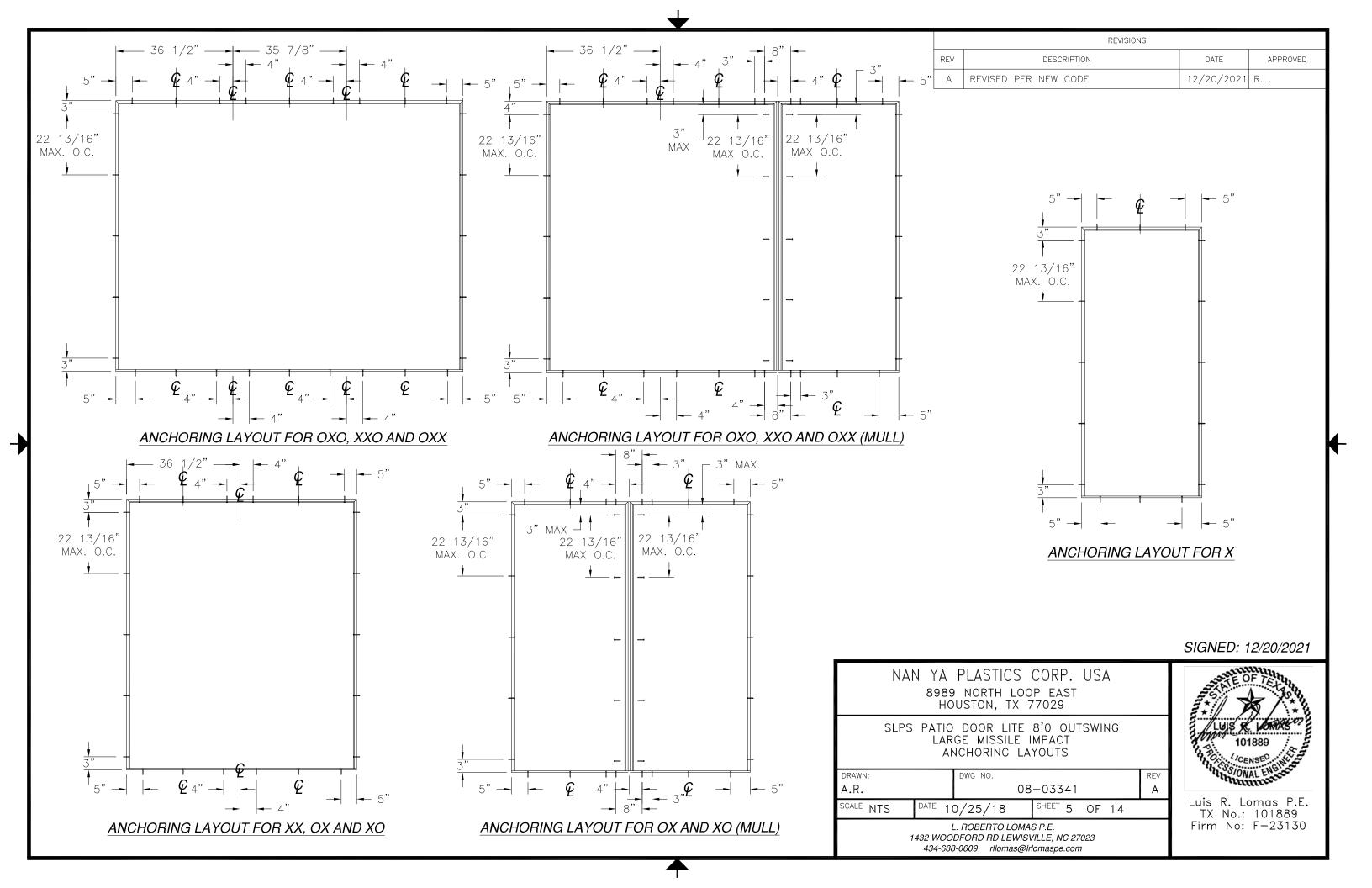
SCALE NTS DATE 10/25/18 SHEET 3 OF 14

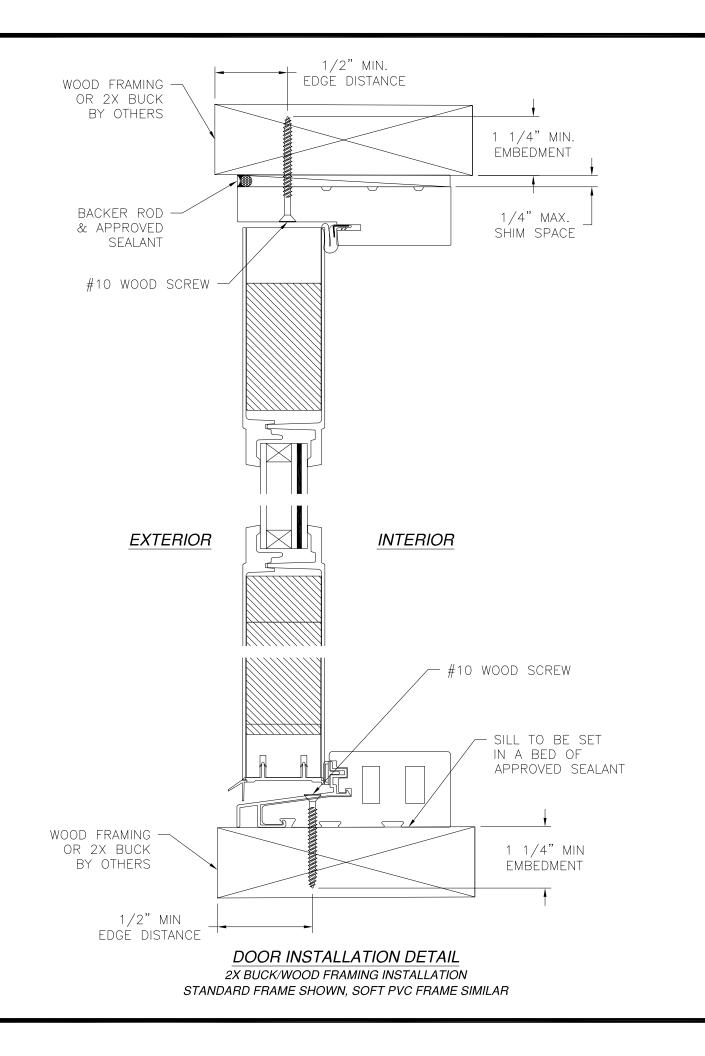
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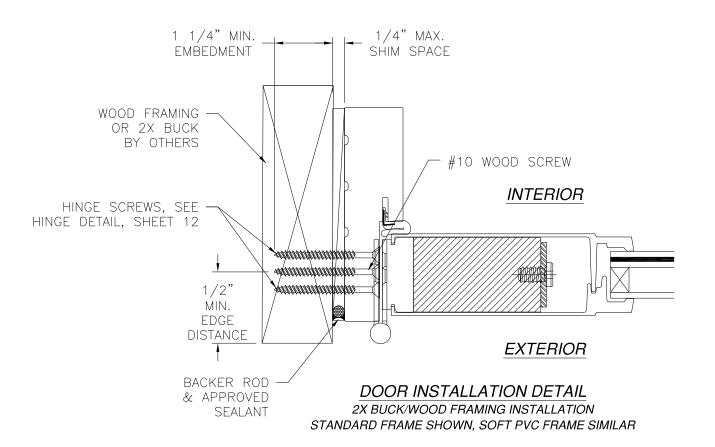








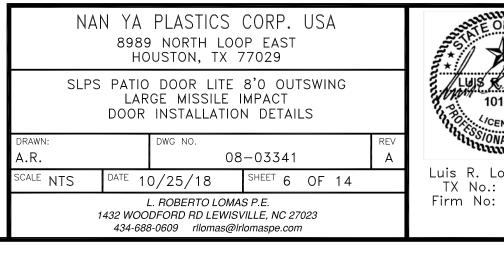




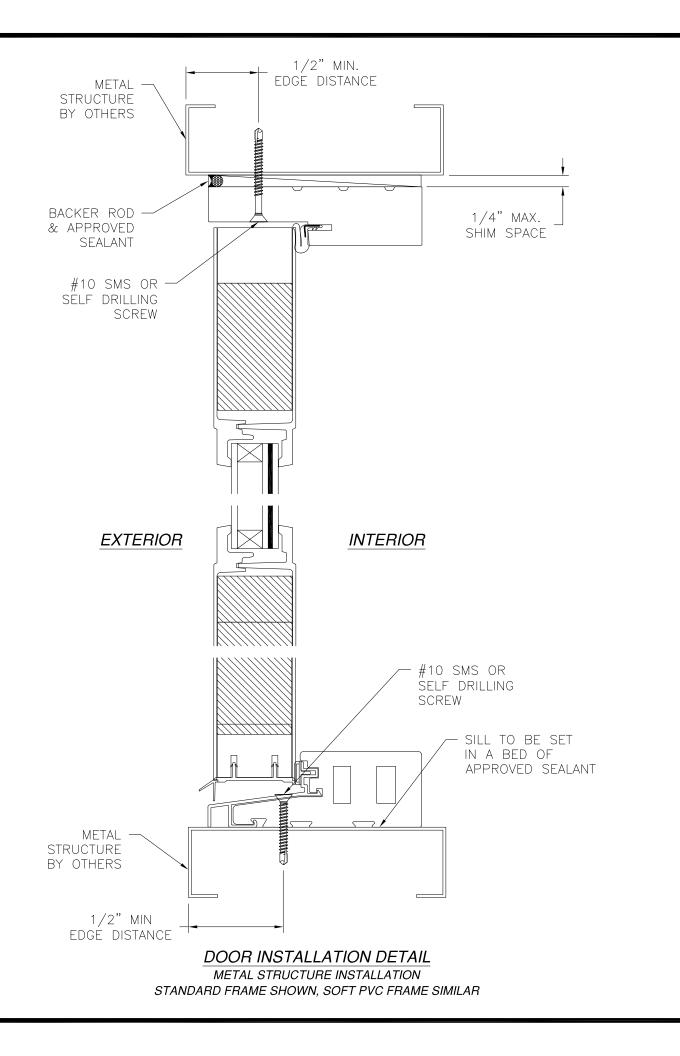
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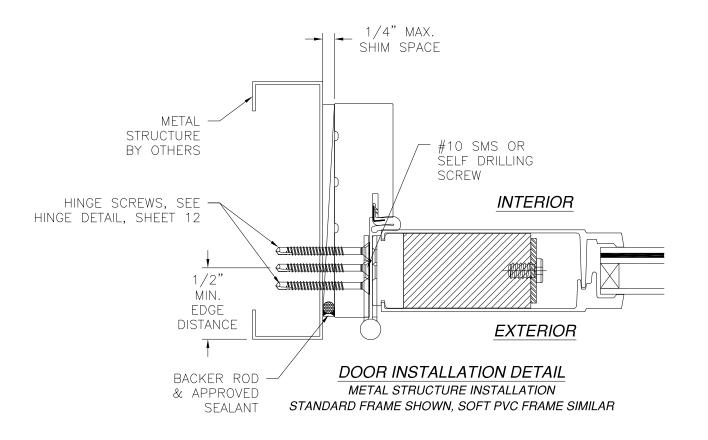
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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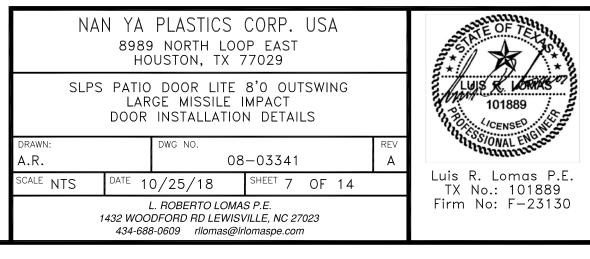


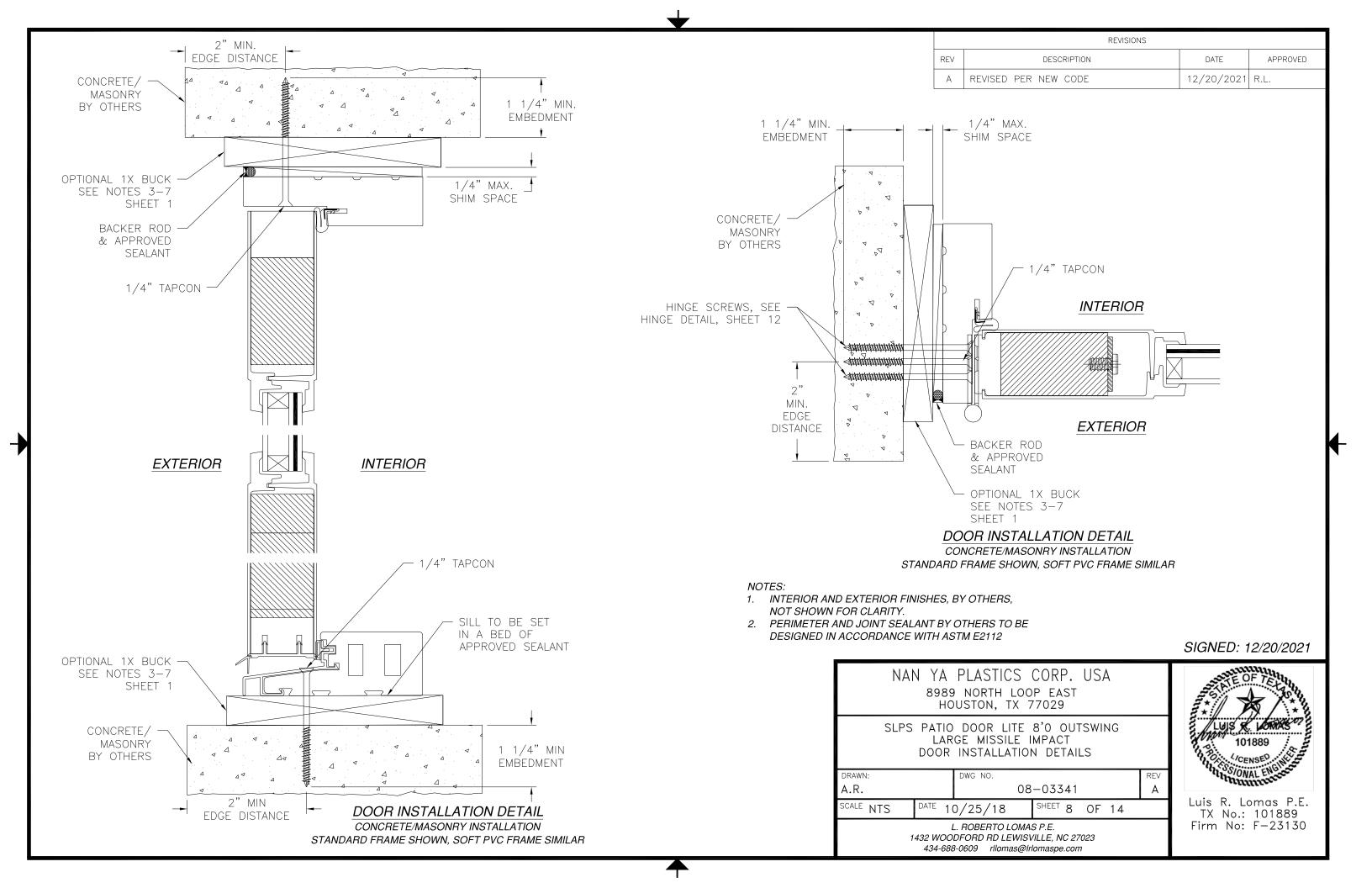


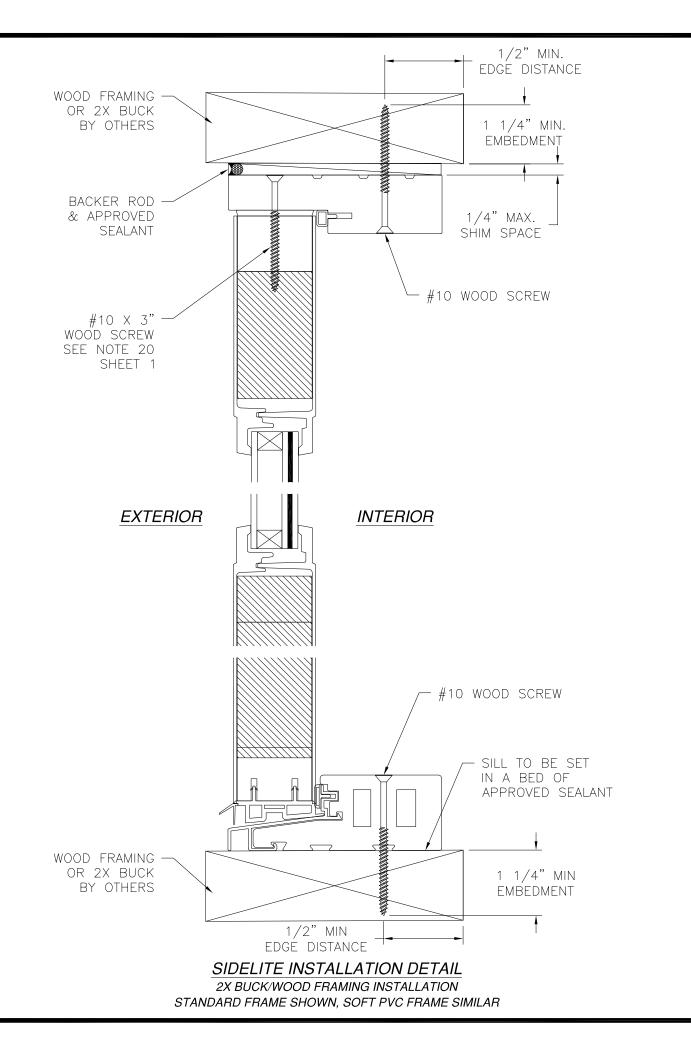
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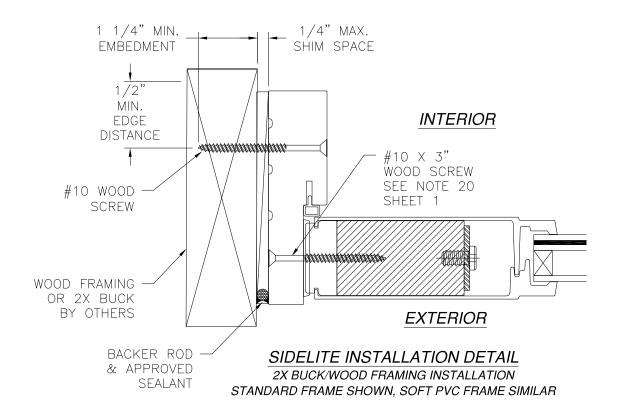
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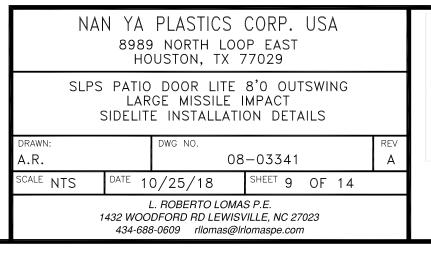




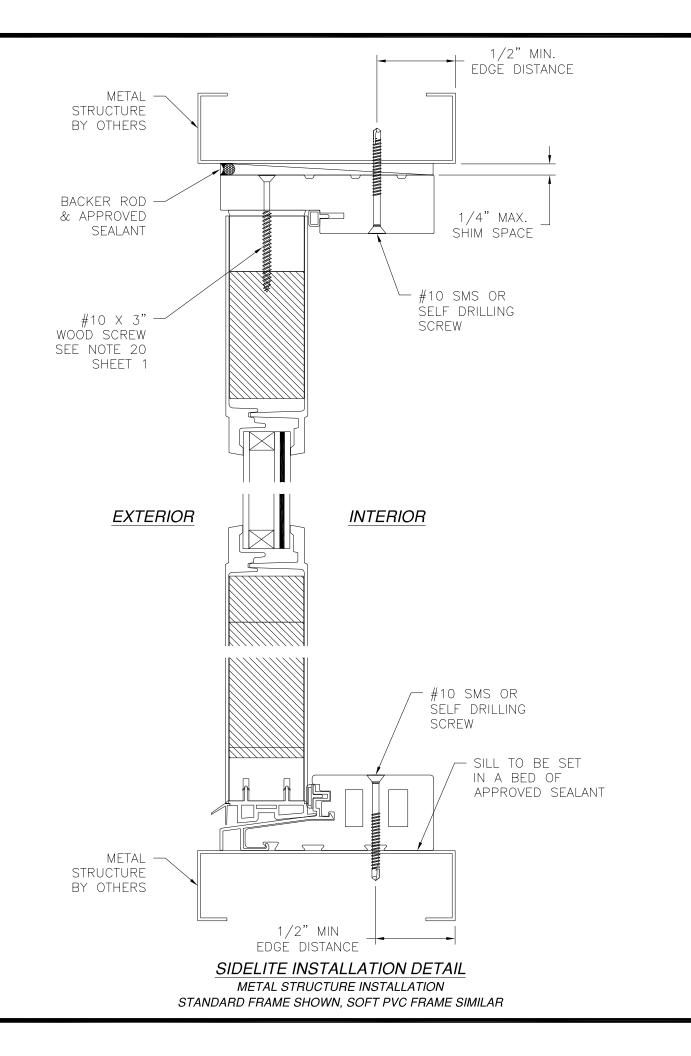
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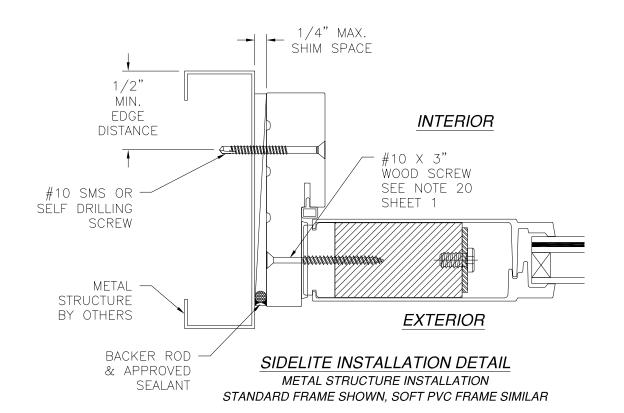
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SIGNED: 12/20/2021







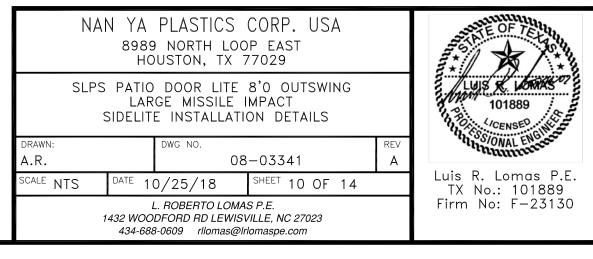


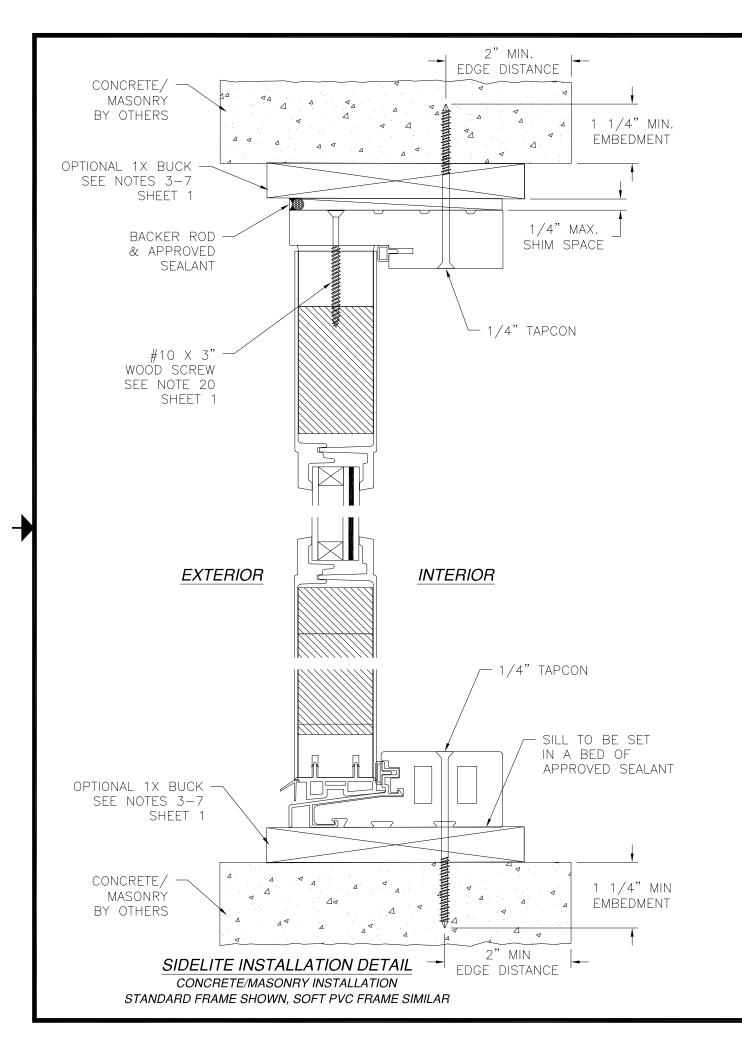
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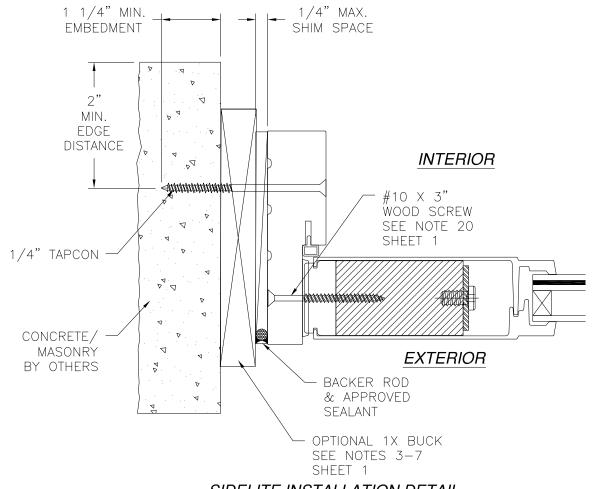
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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101889







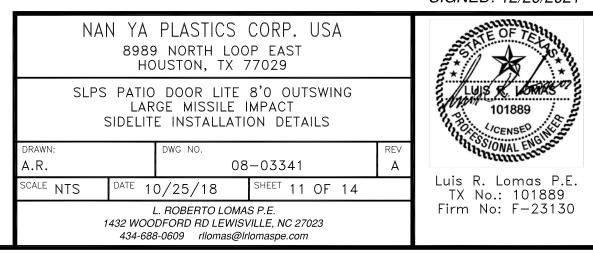
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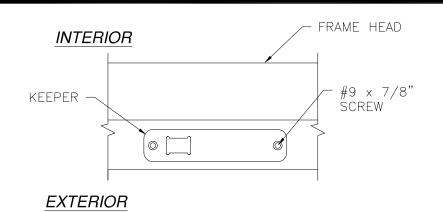
CONCRETE/MASONRY INSTALLATION STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR

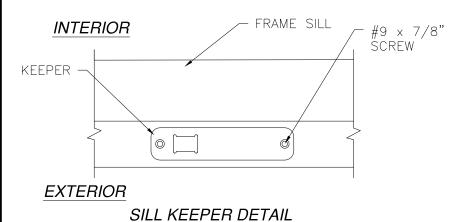
### NOTES:

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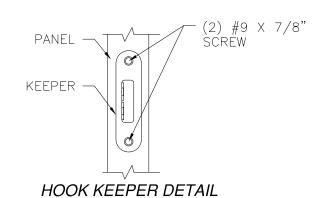
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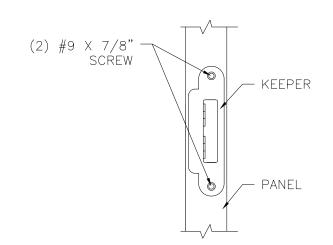






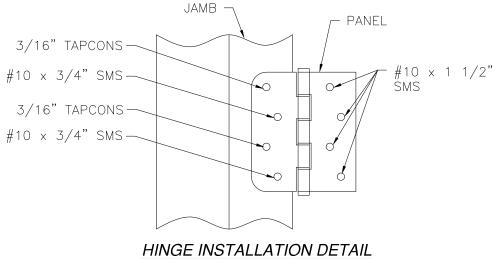
HEAD KEEPER DETAIL



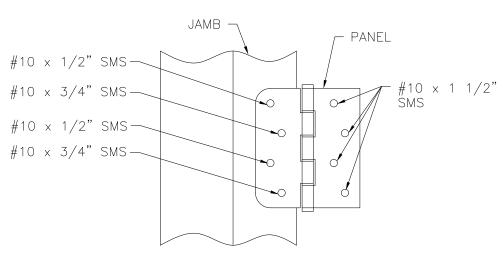


SLAB MULTI-POINT

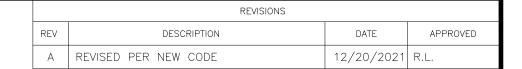
LOCK KEEPER DETAIL

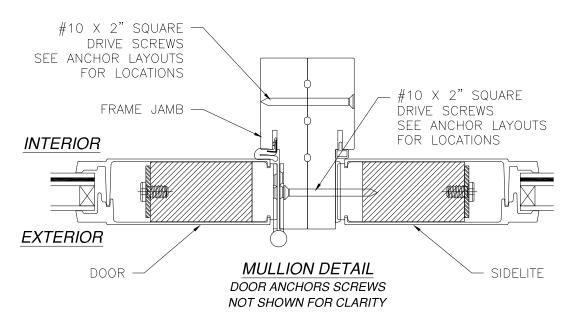


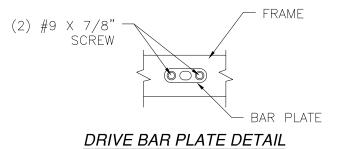
MASONRY/CONCRETE INSTALLATION



HINGE INSTALLATION DETAIL WOOD AND METAL INSTALLATION







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## NAN YA PLASTICS CORP. USA 8989 north loop east houston, tx 77029

SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT INSTALLATION DETAILS

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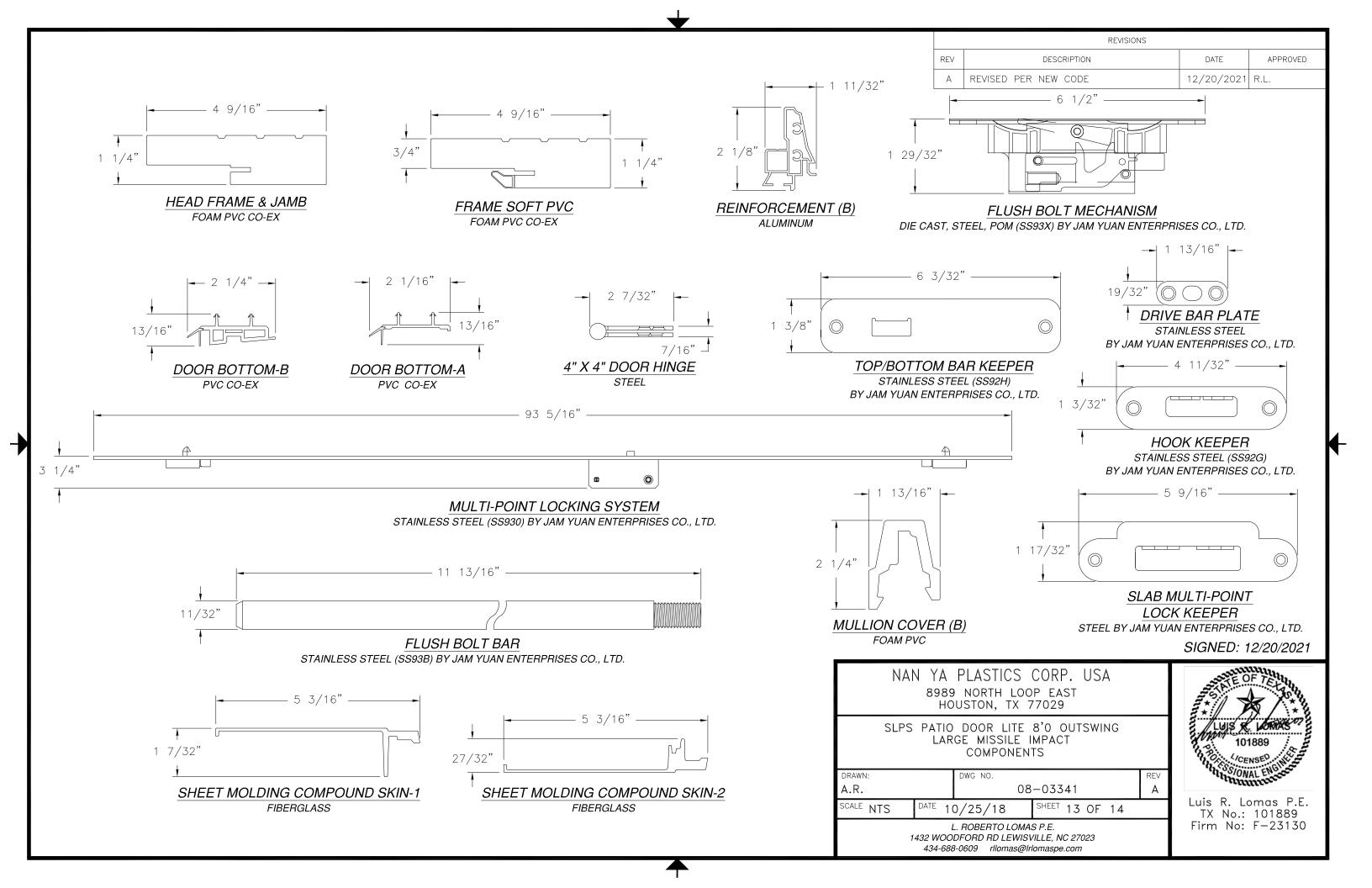
SCALE NTS DATE 10/25/18 SHEET 12 OF 14

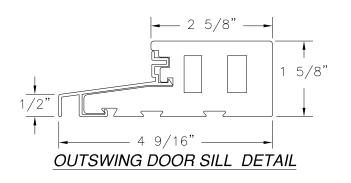
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com

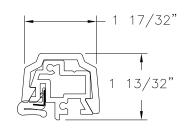


Luis R. Lomas P.E. TX No.: 101889 Firm No: F-23130

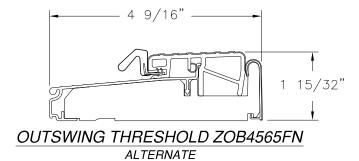
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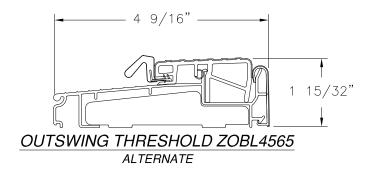






T-ASTRAGAL RIGID PVC





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REV	DESCRIPTION	DATE	APPROVED	
А	REVISED PER NEW CODE	12/20/2021	R.L.	

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NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029

SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT COMPONENTS

DRAWN: DWG NO. 08-03341 REV A SCALE NTS DATE 10/25/18 SHEET 14 OF 14

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