

Florida Building Code Product Approval

FL10181.4-R5 Non-Impact- 6'0" x 6'11" Gliding Full Lite DP45 (X, OX, OXO, XX, OXXO)

FL #	FL10181-R5										
Application Type	Revision										
Code Version	2010										
Application Status	Approved										
	*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.										
Comments											
Archived	<input type="checkbox"/>										
Product Manufacturer	Nan Ya Plastics Corporation USA										
Address/Phone/Email	8989 North Loop East Houston, TX 77029 (713) 674-7822 Ext 105 ajen96@yahoo.com.tw										
Authorized Signature	RUSKIN WU ajen96@yahoo.com.tw										
Technical Representative	Ruskin Wu										
Address/Phone/Email	8989 North Loop East Houston, TX 77029-1217 (713) 674-7822 Ext 105 ajen96@yahoo.com.tw										
Quality Assurance Representative											
Category	Exterior Doors										
Subcategory	Sliding Exterior Door Assemblies										
Compliance Method	Certification Mark or Listing										
Certification Agency	National Accreditation & Management Institute										
Validated By	National Accreditation & Management Institute,										
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA 101/I.S.2/A440</td> <td>2008</td> </tr> <tr> <td>ANSI/AAMA/NWWDA 101/I.S.2</td> <td>1997</td> </tr> <tr> <td>ASTM E1886</td> <td>2005</td> </tr> <tr> <td>ASTM E1996</td> <td>2006</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	AAMA/WDMA/CSA 101/I.S.2/A440	2008	ANSI/AAMA/NWWDA 101/I.S.2	1997	ASTM E1886	2005	ASTM E1996	2006
<u>Standard</u>	<u>Year</u>										
AAMA/WDMA/CSA 101/I.S.2/A440	2008										
ANSI/AAMA/NWWDA 101/I.S.2	1997										
ASTM E1886	2005										
ASTM E1996	2006										
Equivalence of Product Standards Certified By											

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Product Approval Method	Method 1 Option A
Date Submitted	04/14/2014
Date Validated	08/06/2014
Date Pending FBC Approval	
Date Approved	08/10/2014

FL #	Model, Number or Name	Description
10181.4	SERIES "NAN YA SLIDING GLASS DOOR"	SERIES "NAN YA SLIDING GLASS DOOR" - 6'06'11
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +45/-45 Other:		Certification Agency Certificate FL10181_R5_C_CAC_NI006928-R3-.pdf Quality Assurance Contract Expiration Date 02/28/2015 Installation Instructions FL10181_R5_II_08-01867.pdf Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes Evaluation Reports FL10181_R5_AE_512556A.pdf Created by Independent Third Party: Yes

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NOTICE OF PRODUCT CERTIFICATION



CERTIFICATION NO: NI006928-R3
DATE: 02/21/2007
CERTIFICATION PROGRAM: Structural
COMPANY: Nan Ya
CODE: 661-1
REVISION DATE: 07/29/2014

To verify that the "Notice of Product Certification" is valid, please visit www.NAMICertification.com to assure that the product is active and currently listed. This certification represents product conformity to the applicable specification and that certification criteria has been satisfied. A NAMI approved certification label must be applied to the product to claim certification status. Please review and advise NAMI if any corrections are required to this document.

COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
Nan Ya Plastics Corporation USA 8989 North Loop East, Suite 800 Houston, TX 77029	"Nan Ya Sliding Glass Door" Vinyl w/Embossed Wood Grain Interior Sliding Glass Door Configuration: OX Glazing: Insulating Glass (Tempered) Frame: W-1819mm(71.25") H-2019mm(79.5") Panel: W-908mm(35.75") H-1949mm(76.75") DLO: W-667mm(26.25") H-1676mm(66")

SPECIFICATION	PRODUCT RATING
ANSI/AAMA/NWDA 101/LS.2-97 ASTM F842	SGD-R45 FER-Passed

Product Tested By: Architectural Testing, Inc.
Report No: 71177.01-801-44
Expiration Date: February 28, 2015

Administrator's Signature: _____

**NATIONAL ACCREDITATION AND
MANAGEMENT INSTITUTE, INC.**
4794 George Washington Memorial Highway
Hayes, VA 23072
Tel: (804) 684-5124
Fax: (804) 684-5122

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L. Roberto Lomas P.E.

233 W. Main St
Danville, VA 24541
434-688-0609
rlomas@rlomaspe.com

Engineering Evaluation Report

Report No.: 512556A

Manufacturer: Nan Ya Plastics Corp. USA
8989 North Loop East
Houston, TX 77029

Product Line: Series "Nan Ya Sliding Glass Door" – 6'06"11

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(a). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

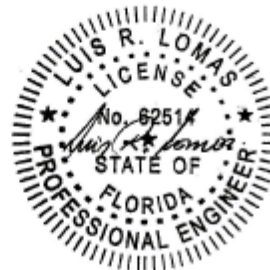
1. Approval document: drawing number 08-01867, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: ATI 71177.01-801-44 signed and by Andy Cost
Architectural Testing Inc, Southlake, TX
AAMA/NWDA 101/I.S.2-97
Design pressure: ±45.0psf
Water penetration resistance: 6.89psf
3. Anchor calculations, report number 512556-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ±45.0psf
- Maximum unit size: 71 1/4" x 79 1/2"
- Units must be glazed per ASTM E 1300-04, see installation instructions for glass options.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.
- Frame material to be Co-Extruded PVC Foam.

Installation: Units must be installed in accordance with approval document, 08-01867.

Certification of Independence: Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

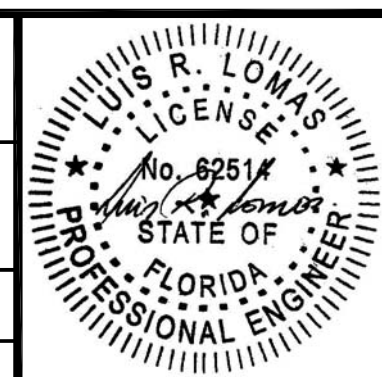
NOTES:

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. 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: EXTRUDED RIGID PVC.
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 2 FOR GLASS OPTIONS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS 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 #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.
10. 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.
11. 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.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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

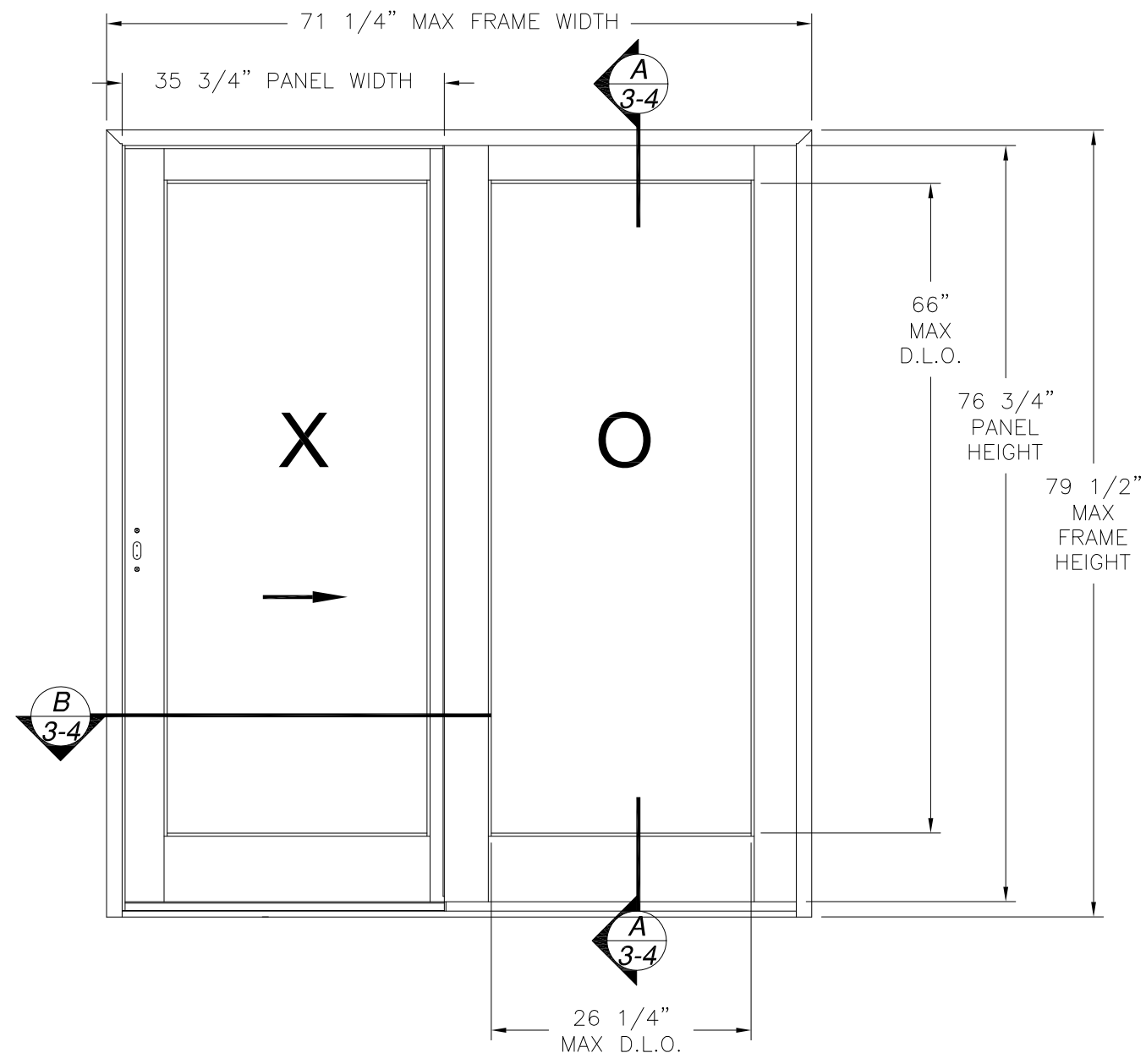
SIGNED: 12/03/2012

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3 - 4	INSTALLATION DETAILS
5 - 6	COMPONENTS

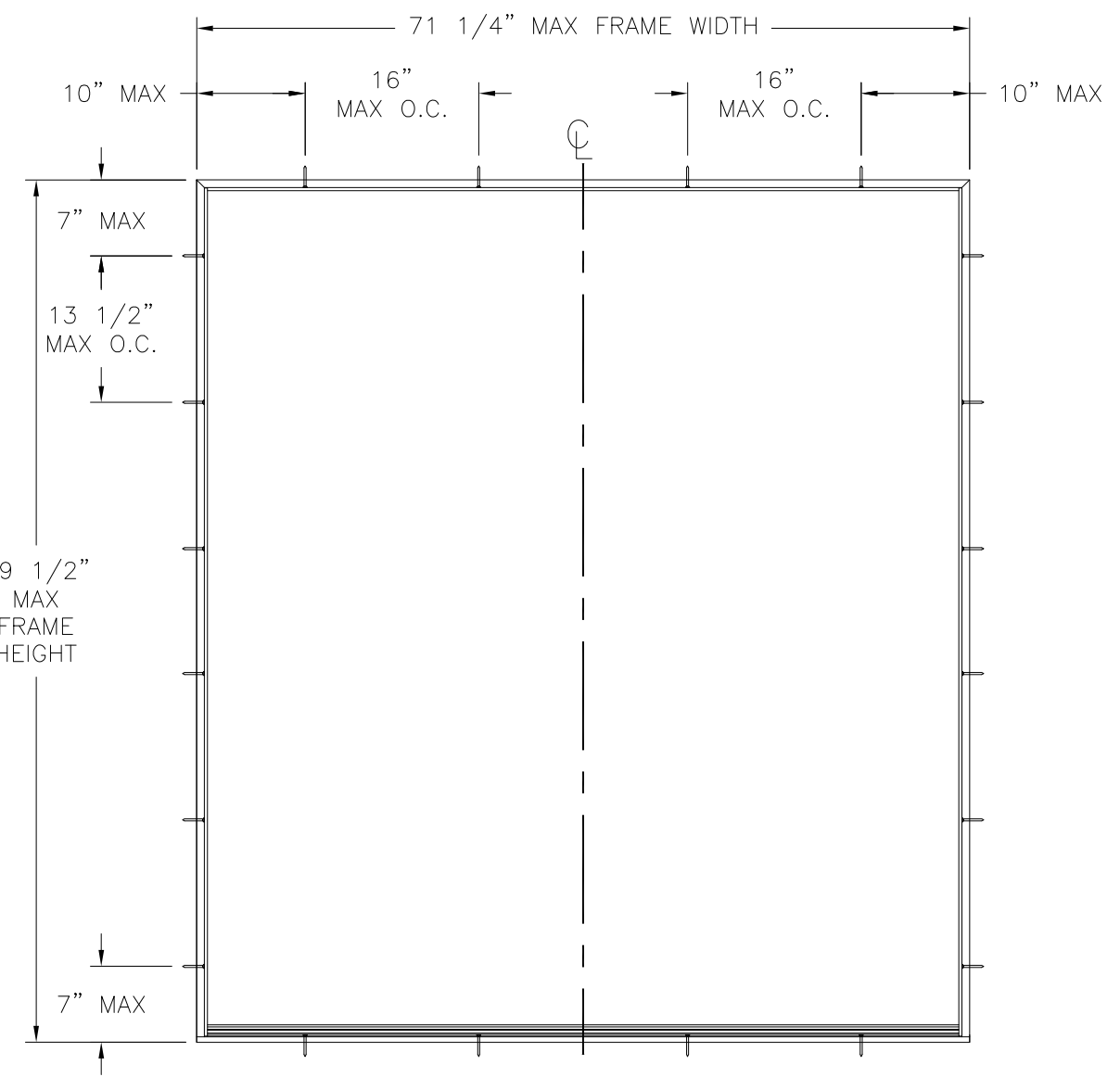
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP ROAD HOUSTON, TX 77029		
NAN YA SLIDING GLASS DOOR 6'06'11 NOTES		
DRAWN: V.L.	DWG NO. 08-01867	REV -
SCALE NTS	DATE 12/03/12	SHEET 1 OF 6



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

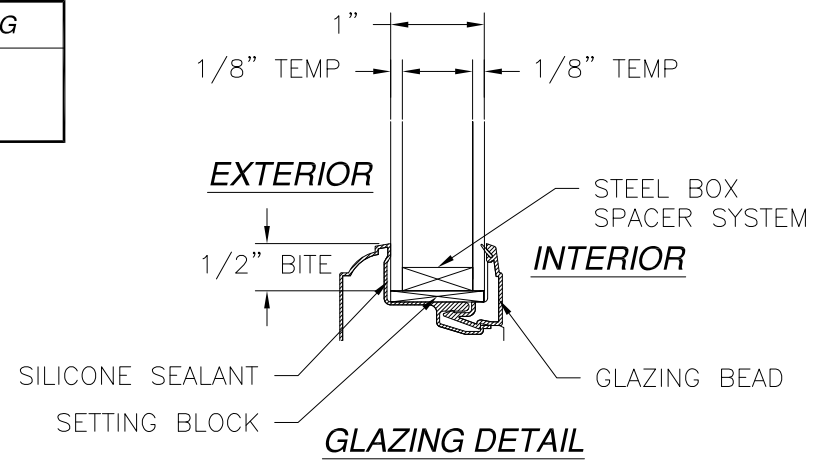


NANYA SLIDING GLASS DOOR 6'06"11
EXTERIOR VIEW



ANCHORING LAYOUT

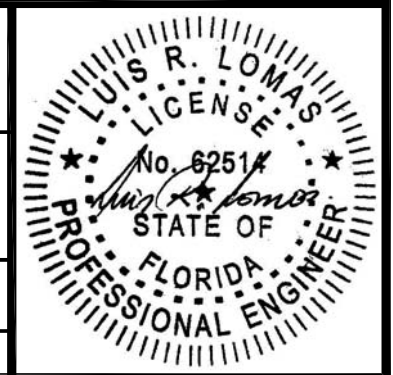
DESIGN PRESSURE RATING	IMPACT RATING
±45PSF	NONE



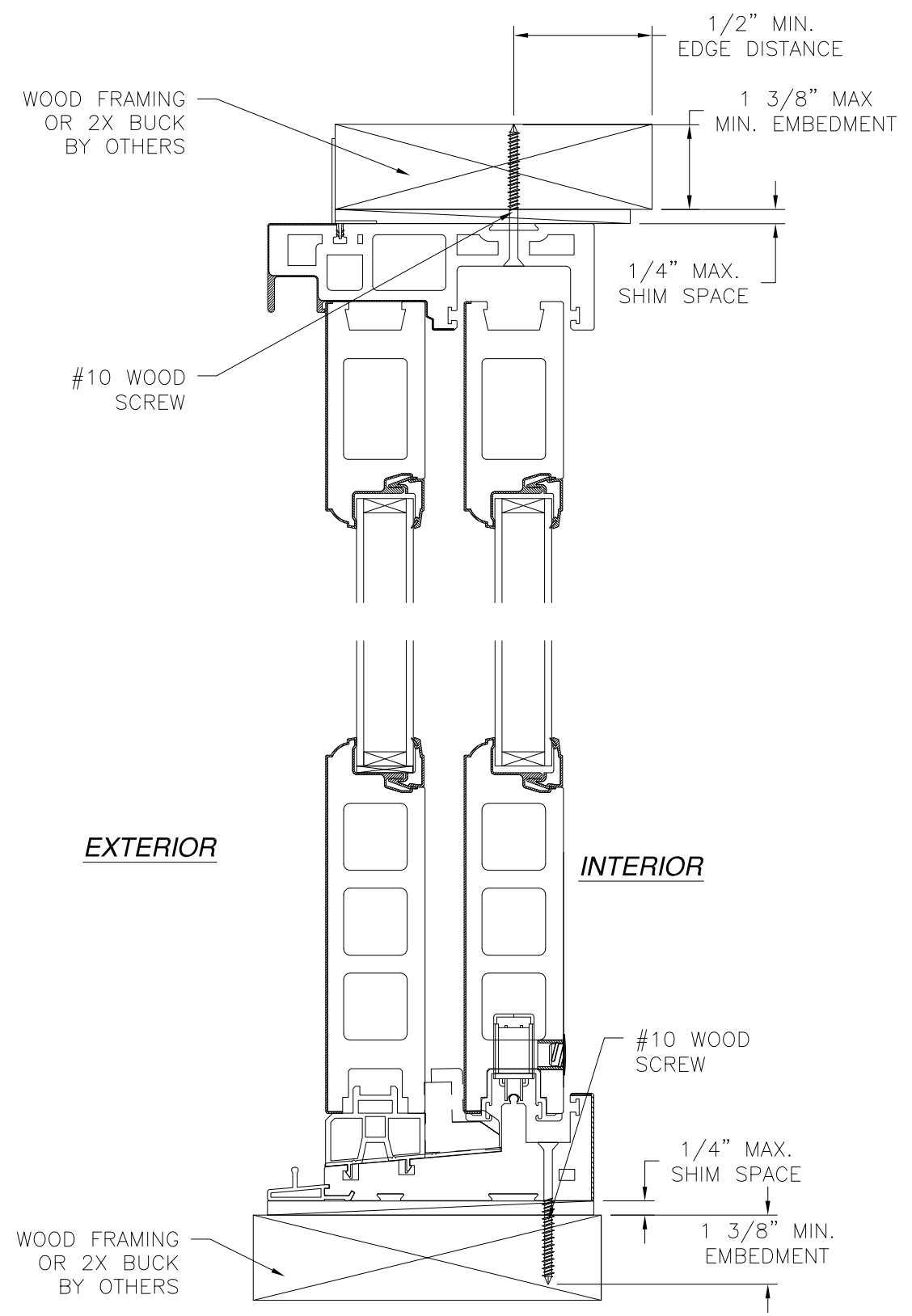
NAN YA PLASTICS CORP. USA
8989 NORTH LOOP ROAD
HOUSTON, TX 77029

NAN YA SLIDING GLASS DOOR
6'06"11
ANCHORING & ELEVATION

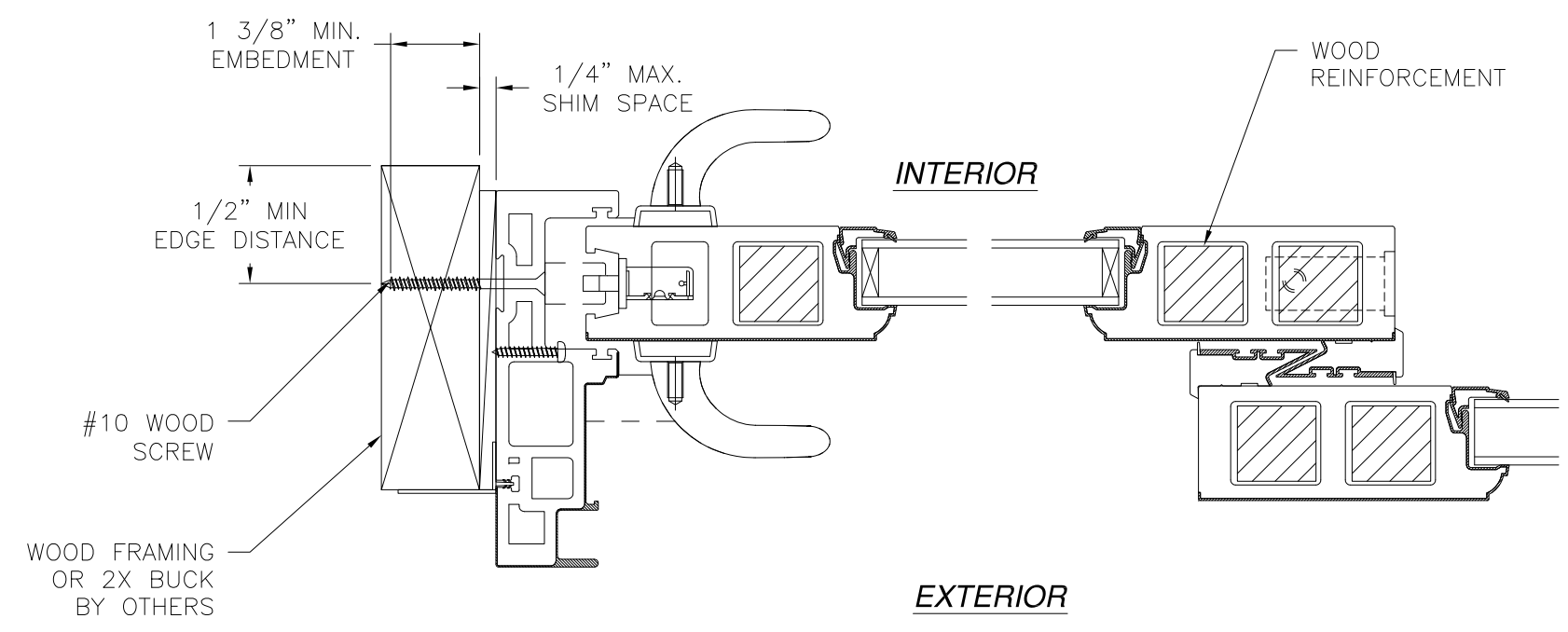
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SCALE NTS	DATE 12/03/12	SHEET 2 OF 6



REVISIONS			
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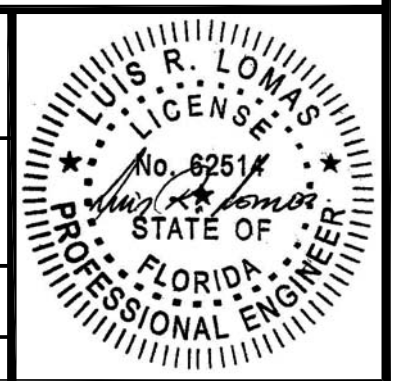
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



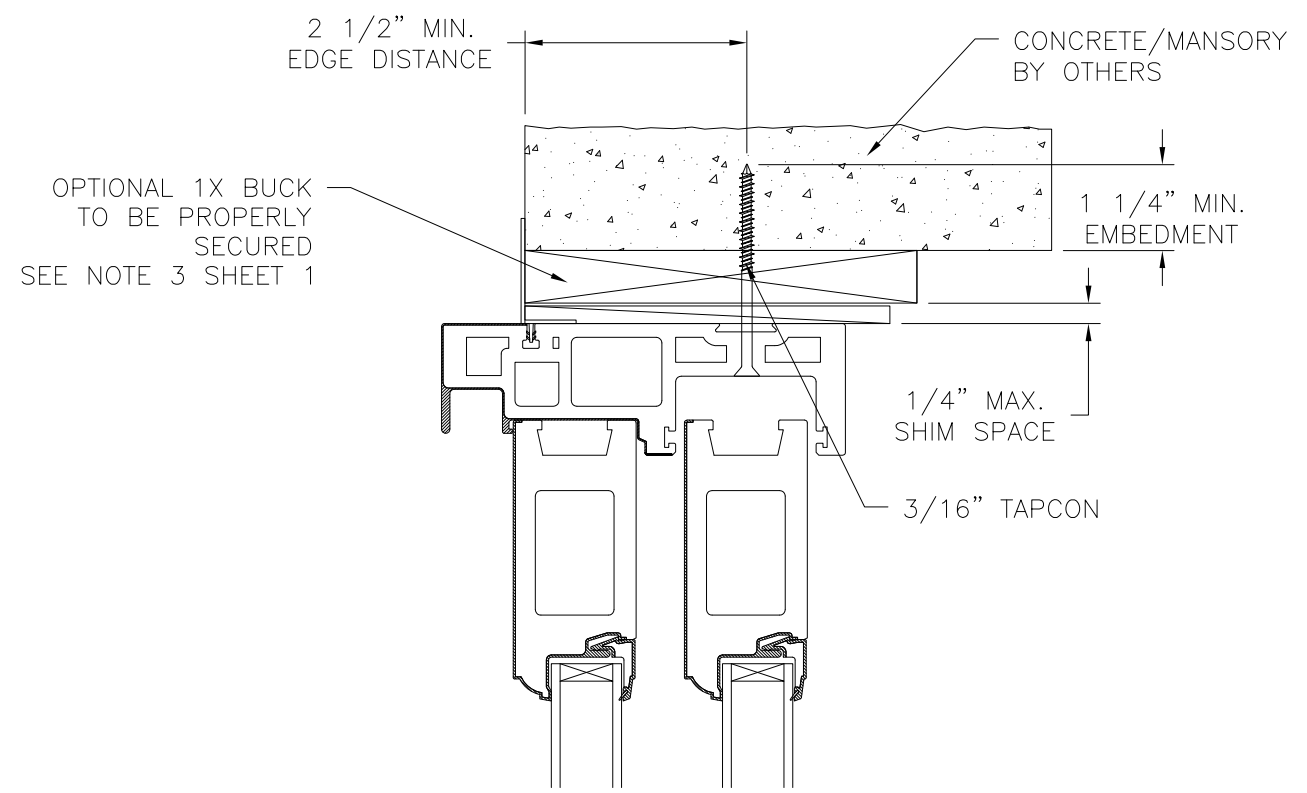
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3
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTE:
INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.

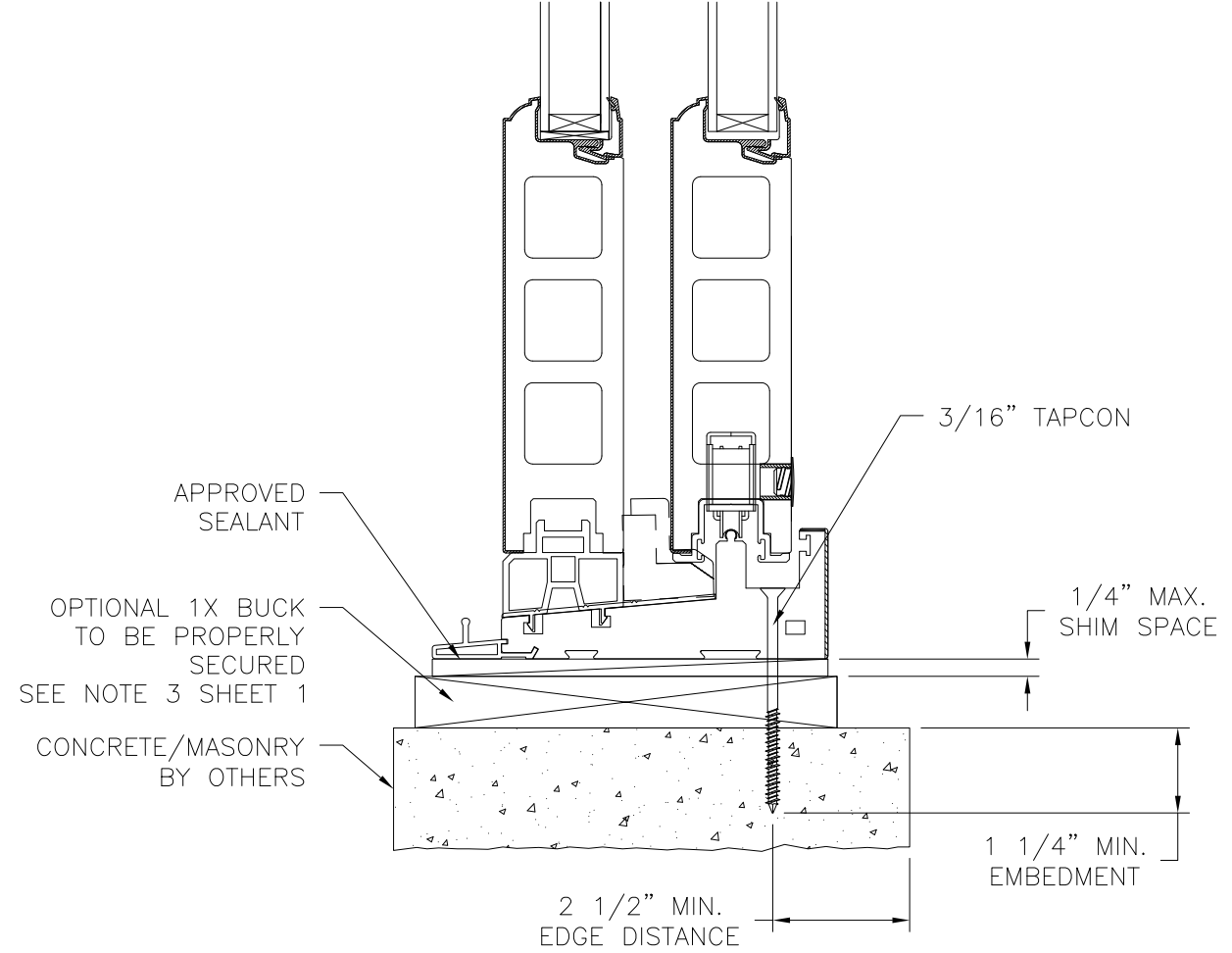
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP ROAD HOUSTON, TX 77029		
NAN YA SLIDING GLASS DOOR 6'06'11 INSTALLATION DETAILS		
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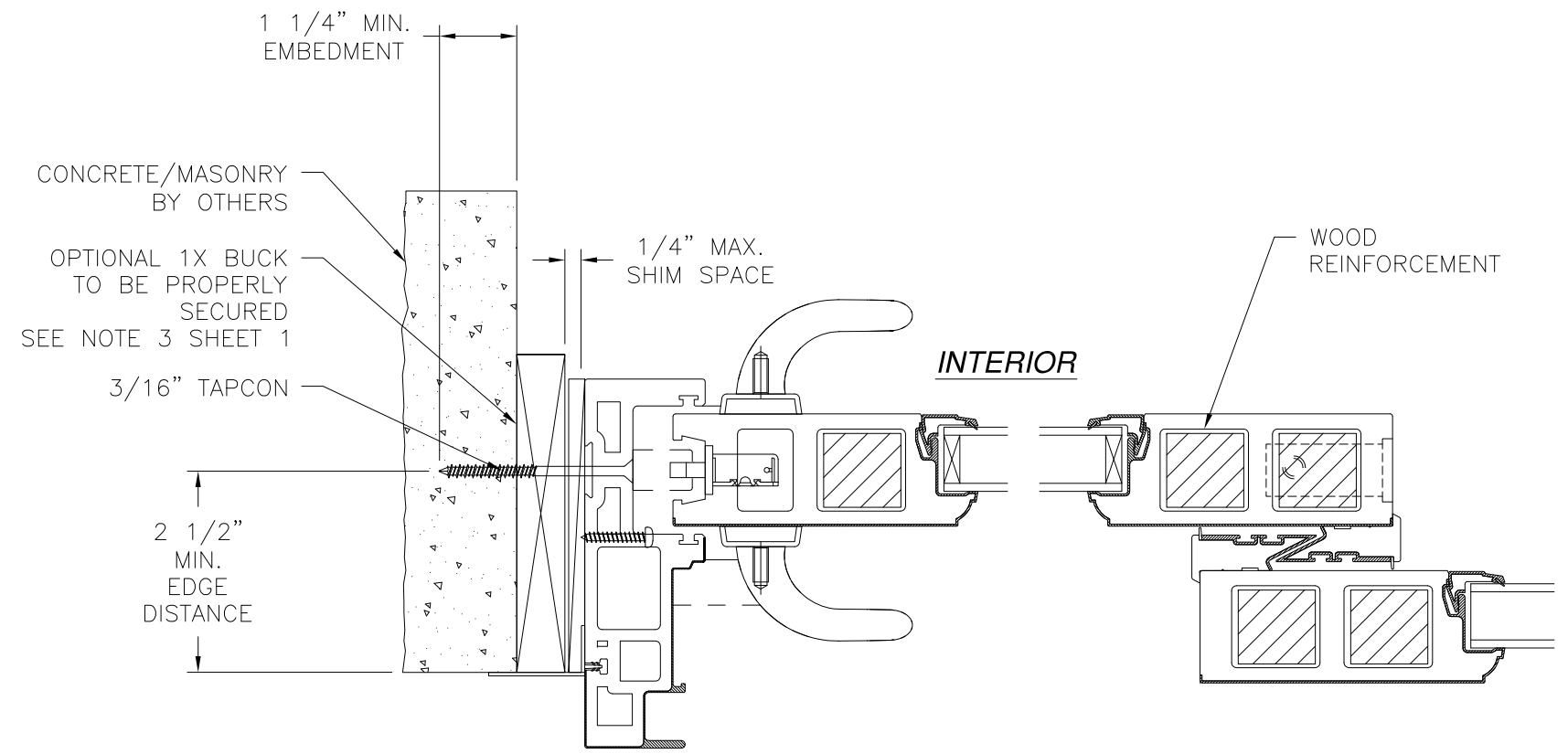
REVISIONS			
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EXTERIOR **INTERIOR**



A
4 **VERTICAL CROSS SECTION**
CONCRETE/MASONRY INSTALLATION



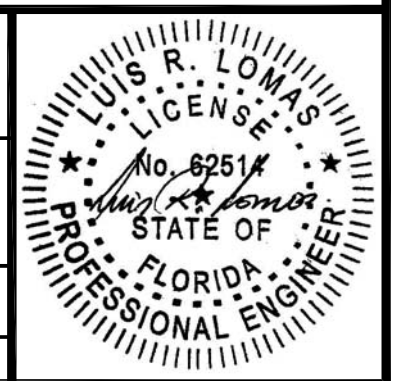
INTERIOR

EXTERIOR

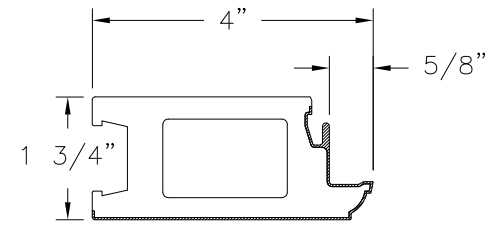
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4 **JAMB INSTALLATION DETAIL**
CONCRETE/MASONRY INSTALLATION

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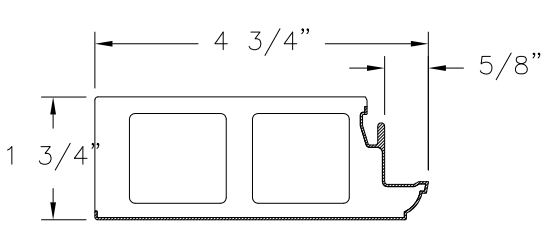
<p>NAN YA PLASTICS CORP. USA 8989 NORTH LOOP ROAD HOUSTON, TX 77029</p>		
<p>NAN YA SLIDING GLASS DOOR 6'06'11 INSTALLATION DETAILS</p>		
<p>DRAWN: V.L.</p>	<p>DWG NO. 08-01867</p>	<p>REV -</p>
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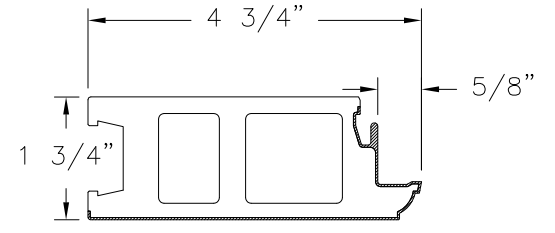
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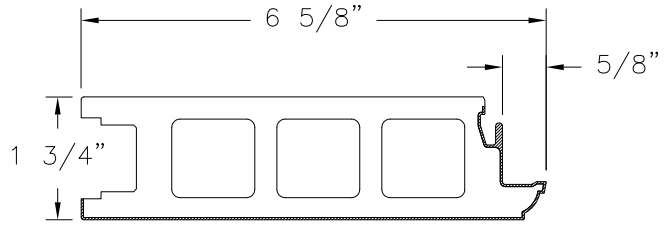
① 4" TOP RAIL
PVC COMPONENT



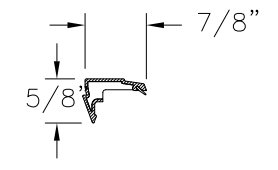
② 4 3/4" STILE
PVC COMPONENT



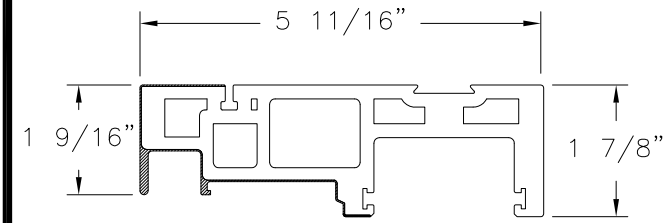
③ 4 3/4" LOCK STILE
PVC COMPONENT



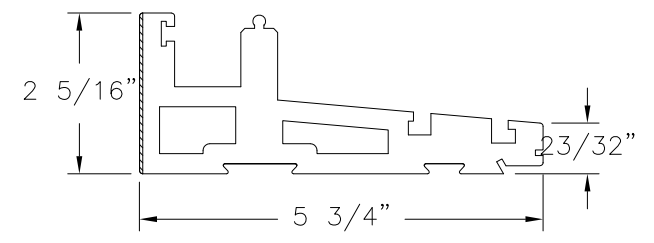
④ 6 5/8" BOTTOM RAIL
PVC COMPONENT



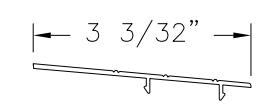
⑤ 1" GLAZING BEAD
RIGID PVC



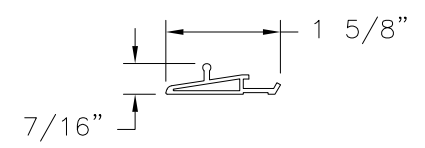
⑥ 5 3/4" HEAD FRAME & JAMB
FOAM PVC CO-EX.



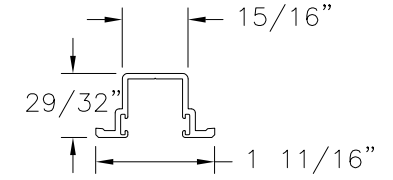
⑦ 5 3/4" GLIDING SILL
FOAM PVC CO-EX.



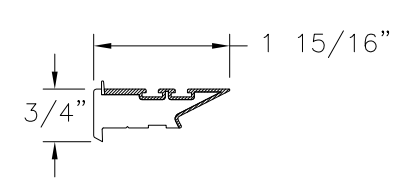
⑧ 3 3/32" THRESHOLD
ALUMINIUM



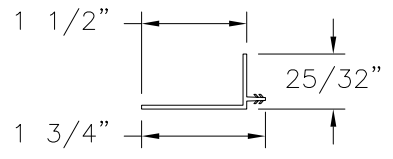
⑨ SCREEN RAIL
ALUMINIUM



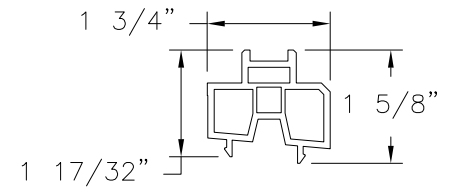
⑩ BOTTOM RAIL COVER
RIGID PVC



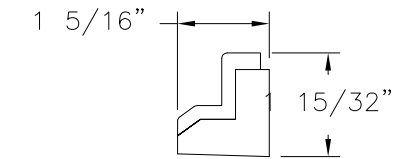
⑪ MEETING STILE INTERLOCK
FOAM PVC CO-EX.



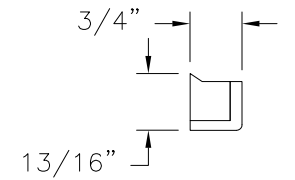
⑫ NAILING FIN
PVC CO-EX



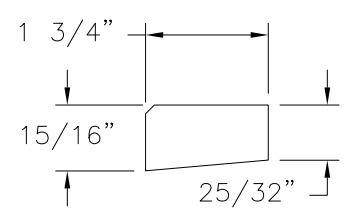
⑬ FIXED PANEL BASE
RIGID PVC



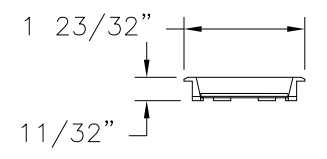
⑭ DOWNSIDE WIND STOPPER
EPDM



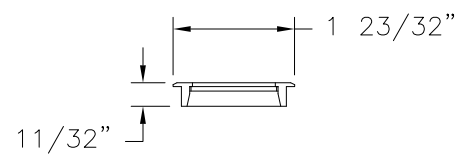
⑮ UPSIDE WIND STOPPER
EPDM



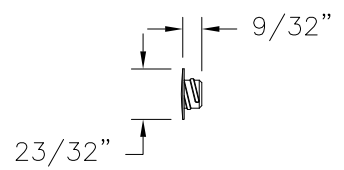
⑯ FIXED PANEL BASE COVER
RIGID PVC



⑰ EXTERIOR WEEPER
ABS



⑱ INTERIOR WEEPER
ABS

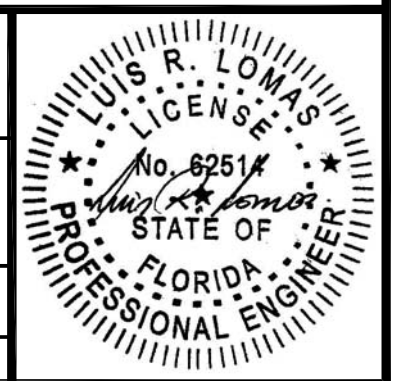


⑲ ROLLER HOLE COVER
ABS

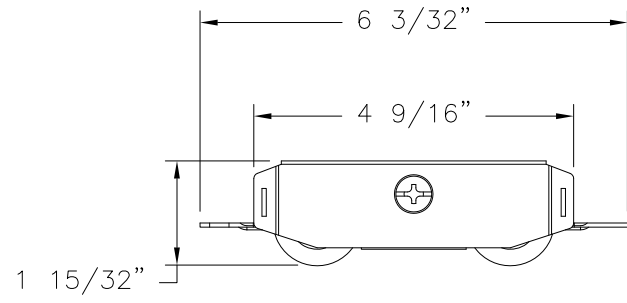
NAN YA PLASTICS CORP. USA
8989 NORTH LOOP ROAD
HOUSTON, TX 77029

NAN YA SLIDING GLASS DOOR
6'06'11
COMPONENTS

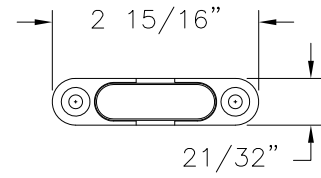
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SCALE NTS	DATE 12/03/12	SHEET 5 OF 6



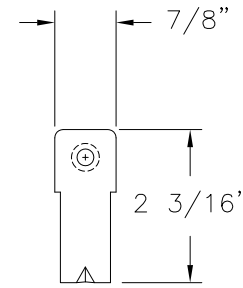
REVISIONS			
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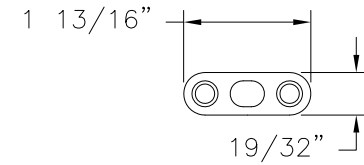
22 ADJUSTABLE ROLLER
STAINLESS STEEL



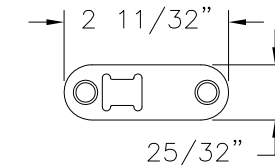
23 ANTI-LIFT STOPPER
DIE CASTING



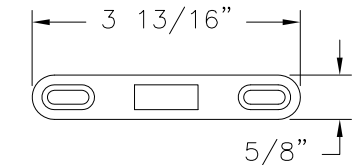
24 DOWNSIDE BRACKET
STAINLESS STEEL



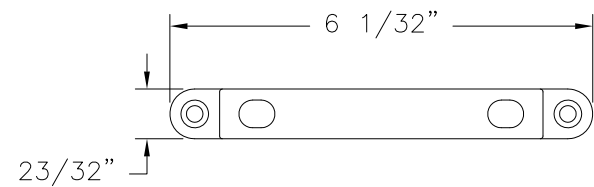
25 FLUSH BOLT GUIDE 1
STAINLESS STEEL



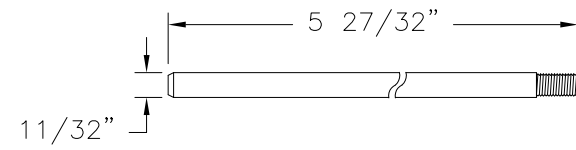
26 FLUSH BOLT GUIDE 1
STAINLESS STEEL



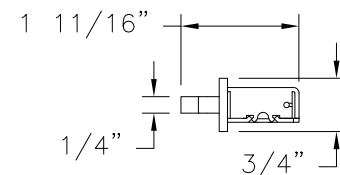
27 LOCK KEEPER
DIE CASTING



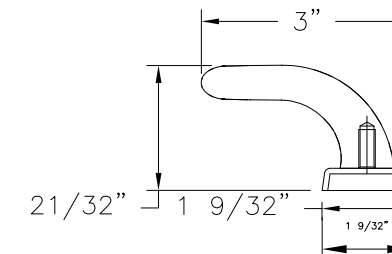
28 FLUSH BOLT KEEPER
STAINLESS STEEL



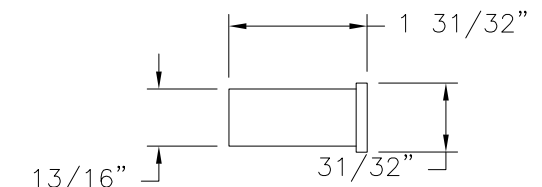
29 FLUSH BOLT BAR
STAINLESS STEEL



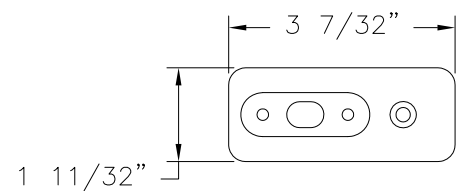
30 SINGLE LOCKING SYSTEM
STAINLESS STEEL, DIE CAST, STEEL



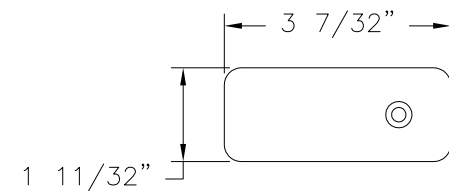
31 GLIDING HANDLE
DIE CAST, STEEL



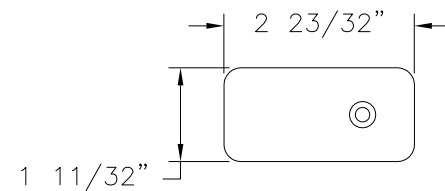
32 FLUSH BOLT MECHANISM
DIE CAST, STEEL



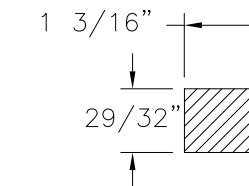
33 BOLT STILE END-COVER
RIGID PVC



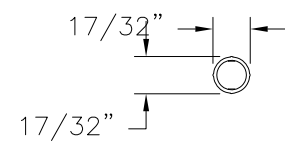
34 FIXED STILE END-COVER
RIGID PVC



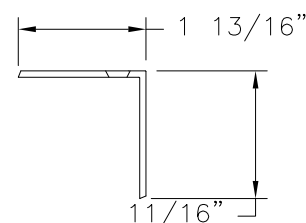
35 LOCK STILE END-COVER
RIGID PVC



35 WOOD REINFORCEMENT
PINE



20 ROLLER SLEEVE
ABS



21 CORNER KEY
DIE CAST

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

NAN YA SLIDING GLASS DOOR
6'06'11
COMPONENTS

DRAWN: V.L.	DWG NO. 08-01867	REV -
SCALE NTS	DATE 12/03/12	SHEET 6 OF 6

