

Florida Building Code Product Approval

FL10181.3-R5 Non-Impact- 6'0" x 6'8" Gliding Full Lite DP45

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											

Florida Building Code Product Approval

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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
10181.3	Nan Ya 6068 DP45 Gliding Patio Door	Nan Ya 6068 DP45 Gliding Patio Door
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_NI011609.pdf Quality Assurance Contract Expiration Date 04/30/2017 Installation Instructions FL10181_R5_II_08-02239.pdf Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes Evaluation Reports FL10181_R5_AE_512959.pdf Created by Independent Third Party: Yes

Florida Building Code Product Approval

FL10181.3-R5 Non-Impact- 6'0" x 6'8" Gliding Full Lite DP45

NOTICE OF PRODUCT CERTIFICATION



CERTIFICATION NO: NI011609
DATE: 07/16/2013
CERTIFICATION PROGRAM: Structural
COMPANY: Nan Ya Plastics
CODE: 661-1

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. Please review and advise NAMI if any corrections are required to this document.

COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
Nan Ya Plastics Corporation U.S.A. 8989 North Loop East Houston, TX 77029	"MasterPiece Series Gliding Patio Door" Vinyl Sliding Glass Door Configuration: XO Glazing: Insulating Glass (Tempered) Frame: W-1810mm(71.25") H-2019mm(79.5") Panel: W-908mm(35.75") H-1946mm(76.63") DLO: W-667mm(26.25") H-1676mm(66")

SPECIFICATION	PRODUCT RATING
AAMA/WDMA/CSA 101/I.S.2/A440-08	Class R-PG45 1810 x 2019 (71 x 80)-SD Design Pressure: 2160 Pa (45 psf) Water Penetration Resistance Test Pressure: 324 Pa(6.75 psf)

Product Tested By: National Certified Testing Laboratories
Report No: NCTL-210-3878-01
Expiration Date: April 30, 2017

Administrator's Signature: _____

A handwritten signature in black ink, appearing to be "M.D.", written over a horizontal line.

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

Florida Building Code Product Approval

FL10181.3-R5 Non-Impact- 6'0" x 6'8" Gliding Full Lite DP45

L. Roberto Lomas P.E.

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

Engineering Evaluation Report

Report No.: 512959

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

Product Line: Nan Ya 6068 DP45 Gliding Patio Door

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:

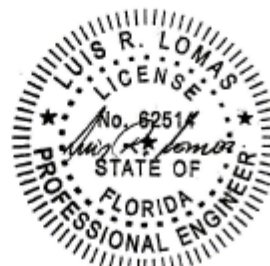
1. Approval document: drawing number 08-02239, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: NCTL 210-3878-1 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
AAMA/WDMA/CSA 101/I.S.2/A440-08
Design pressure: ±45.0psf
Water penetration resistance 6.75psf
3. Anchor calculations, report number 512959-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

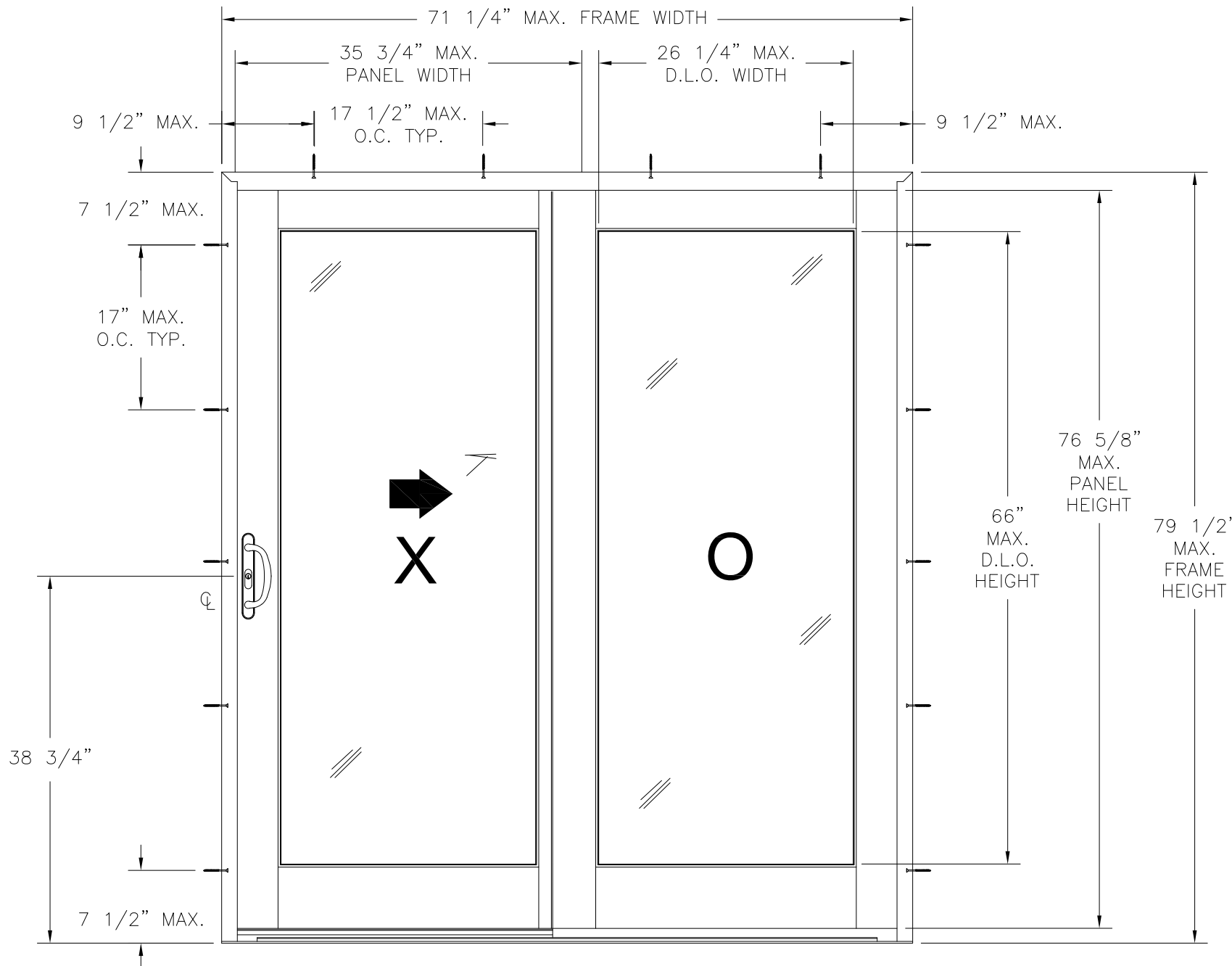
- Maximum design pressure: ±45.0psf
- Maximum unit size: 71 1/4" x 79 1/2"
- Units must be glazed per ASTM E 1300-04, see installation instructions for glass options.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne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

Installation: Units must be installed in accordance with approval document, 08-02239.

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 JAMB AND HEAD MATERIAL: PVC COMPOSITE FOAM WITH AN EXTRUDED PVC SKIN .031" THICK.
6. UNITS MUST BE GLAZED PER ASTM E1300-04.
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 HEAD AND JAMBS INTO 2X BUCK OR WOOD FRAMING USE #10 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
10. ALL FASTENERS TO BE CORROSION RESISTANT.
11. 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
12. FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM 1 1/32" THICK.
13. DOOR PANEL MATERIAL: PVC COMPOSITE FOAM WITH AN EXTRUDED PVC SKIN .031" THICK.
14. APPROVED CONFIGURATIONS: XO, OX.

NAN YA 6068 DP45 SLIDING GLASS DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±45PSF	NONE

SIGNED: 10/25/2013

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

NAN YA 6068 DP45
GLIDING PATIO DOOR
ELEVATION, ANCHORING LAYOUT & NOTES

DRAWN: V.L.	DWG NO. 08-02239	REV -
SCALE NTS	DATE 10/24/13	SHEET 1 OF 3

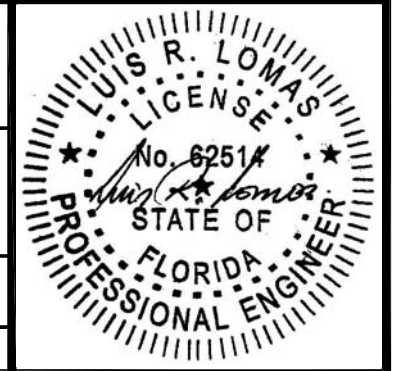
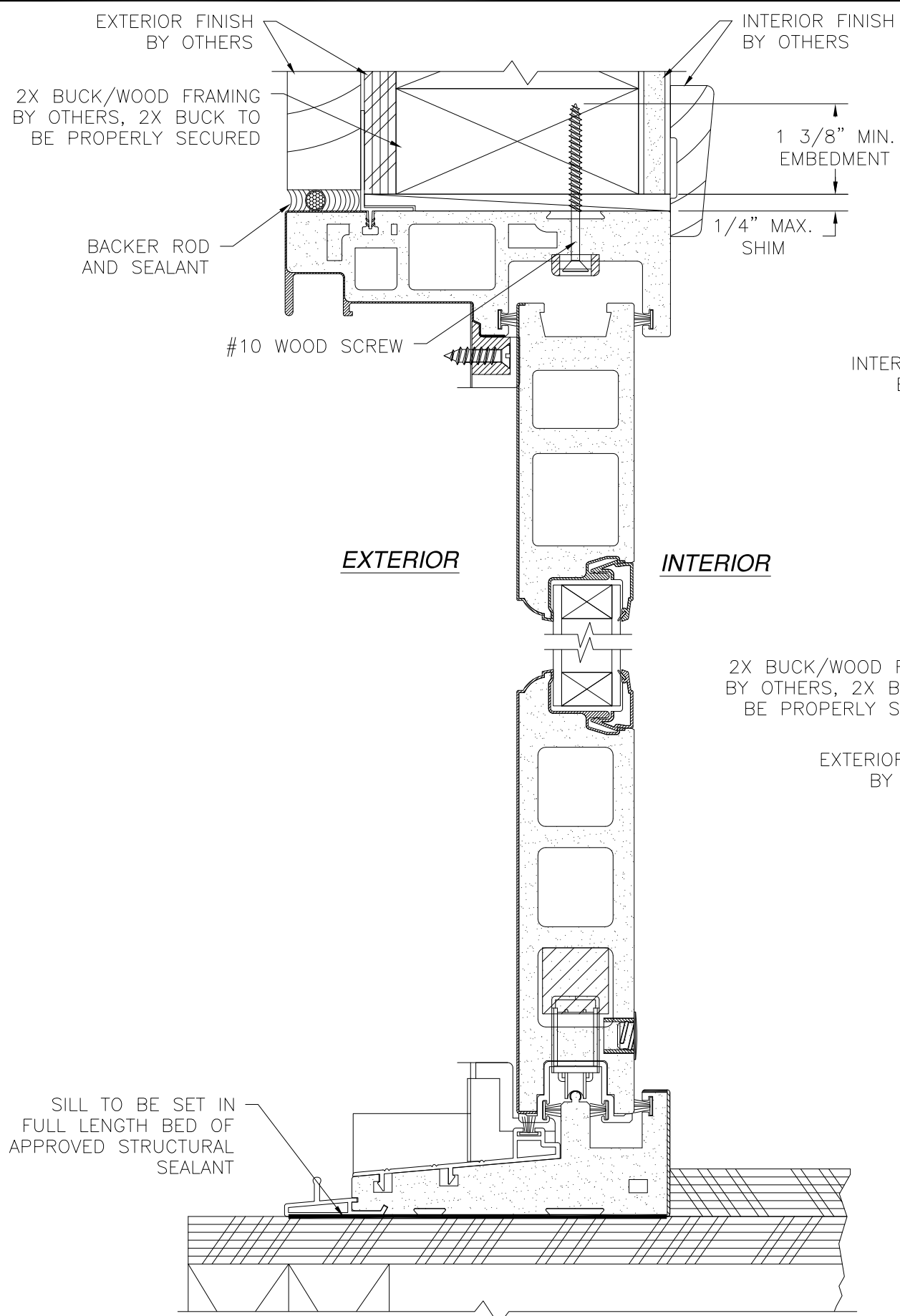


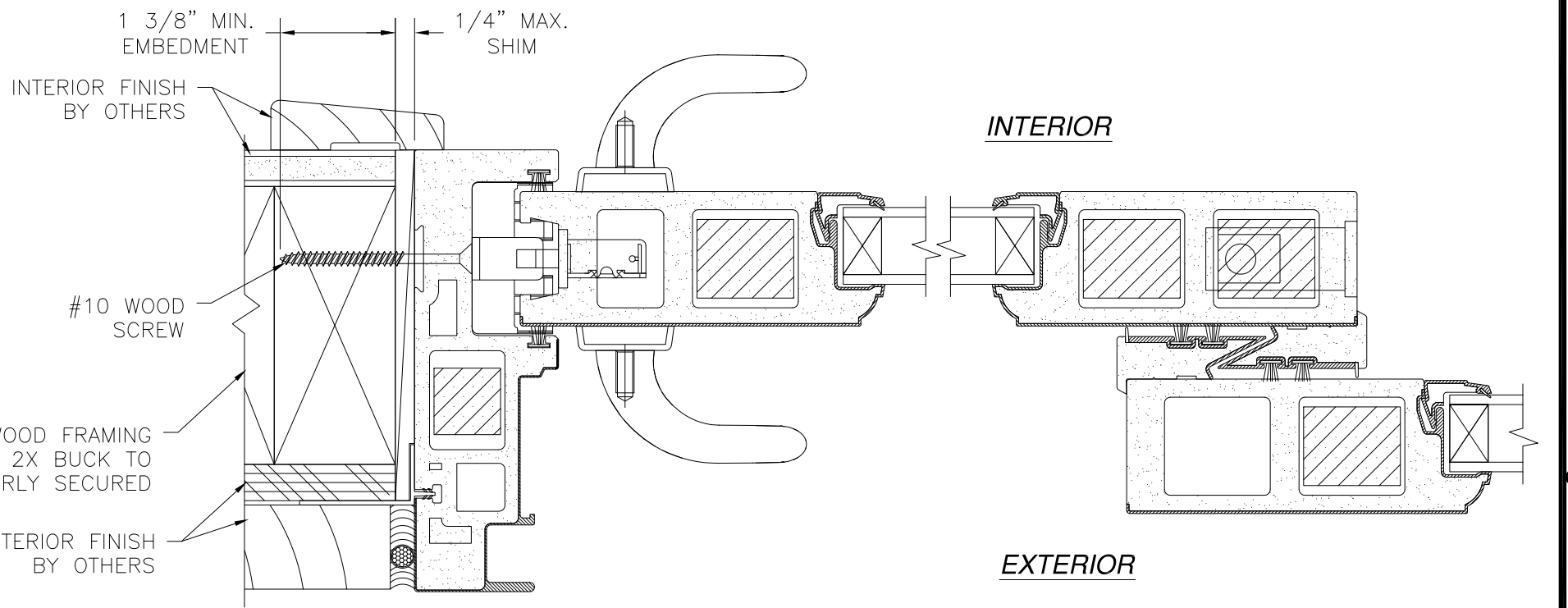
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, ANCHORING LAYOUT AND NOTES
2	INSTALLATION DETAILS
3	COMPONENTS AND HARDWARE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING

SILL TO BE SET IN FULL LENGTH BED OF APPROVED STRUCTURAL SEALANT

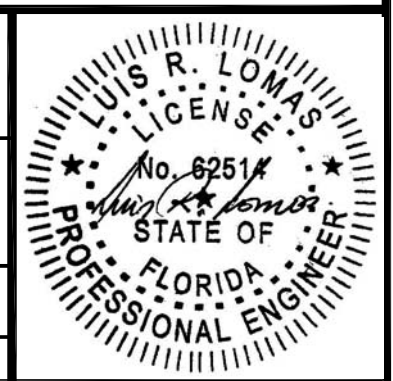


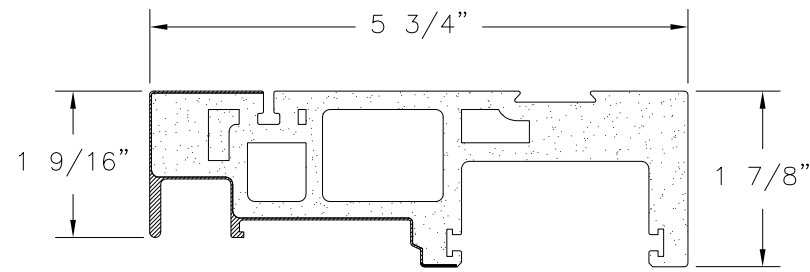
HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING

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

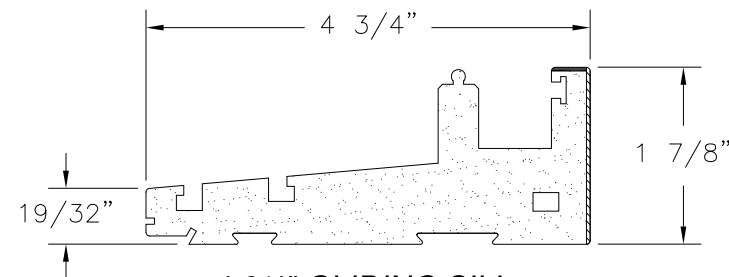
NAN YA 6068 DP45
GLIDING PATIO DOOR
INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-02239	REV -
SCALE NTS	DATE 10/24/13	SHEET 2 OF 3

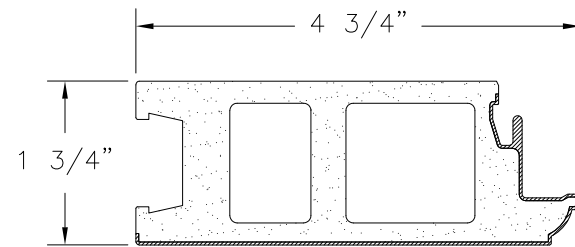




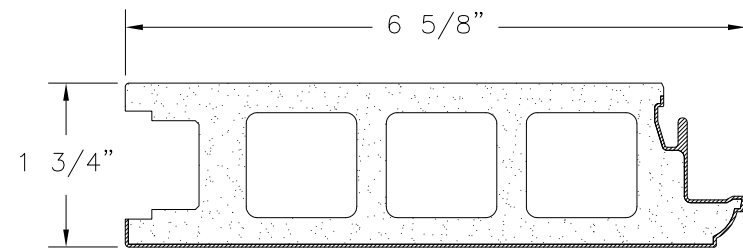
5 3/4" FRAME HEAD AND JAMB
CO-EXTRUDED PVC FOAM .75" THICK



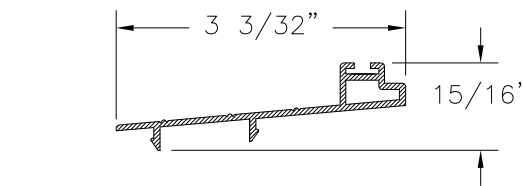
4 3/4" GLIDING SILL
CO-EXTRUDED PVC FOAM
1.032" THICK



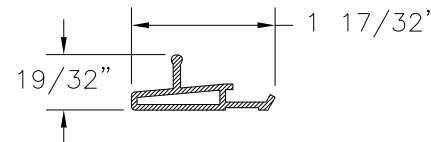
4 3/4" STILE AND TOP RAIL
PVC COMPOSITE FOAM WITH
.031" THICK EXTRUDED PVC SKIN



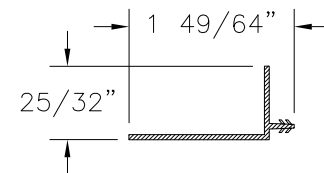
6 5/8" BOTTOM RAIL
PVC COMPOSITE FOAM WITH
.031" THICK EXTRUDED PVC SKIN



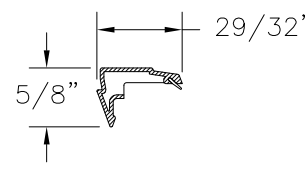
THRESHOLD
EXTRUDED ALUMINUM 6063-T6 .059" THICK



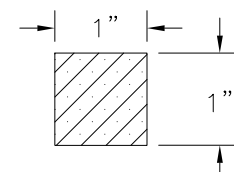
SCREEN RAIL
EXTRUDED ALUMINUM 6063-T6 .059" THICK



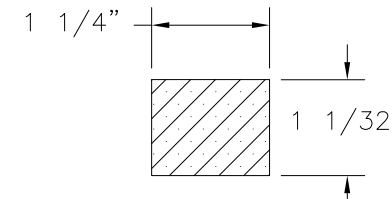
FRAME FIN
EXTRUDED RIGID PVC .051" THICK



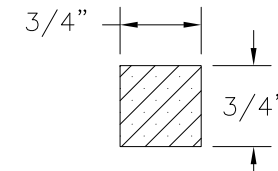
1" GLAZING BEAD
EXTRUDED RIGID PVC .039" THICK



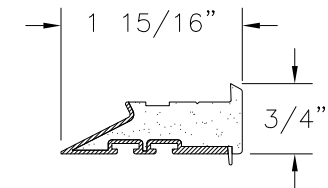
PANEL BOTTOM RAIL REINFORCEMENT
PINE



PANEL STILE REINFORCEMENT
PINE



JAMB REINFORCEMENT
PINE



MEETING STILE INTERLOCK
CO-EXTRUDED PVC FOAM .75" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

HARDWARE SCHEDULE	
A.	ADJUSTABLE ROLLER (2) PER ACTIVE PANEL
B.	FLUSH BOLT WITH KEEPER (1) TOP OF ACTIVE PANEL
C.	SINGLE LOCKING SYSTEM WITH KEEPER (1) PER ACTIVE PANEL
D.	GLIDING HANDLE SET (1) PER ACTIVE PANEL

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

NAN YA 6068 DP45
GLIDING PATIO DOOR
COMPONENTS & HARDWARE

DRAWN: V.L.	DWG NO. 08-02239	REV -
SCALE NTS	DATE 10/24/13	SHEET 3 OF 3

