

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE, THE 2006 IBC, 2006 IRC, 2009 IBC, 2009 IRC, 2012 IBC AND 2012 IRC.
2. WOOD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 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.
4. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
5. DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
6. DOORS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. DOORS MUST BE MANUFACTURED BY NAN YA PLASTICS CORP. USA.
7. DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW OR DOOR UNIT.
8. THIS DOCUMENT ADDRESSES ONLY THE MULLION AND MULLION RATING. DOORS, SIDELITES AND TRANSOM MUST HAVE THEIR OWN SEPARATE APPROVAL.

DESIGN PRESSURE TABLE INSTRUCTIONS:

1. DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE CHAPTER 16 OR IBC CHAPTER 16.
2. DETERMINE MULLION SPAN BASED ON PRODUCT TO BE INSTALLED.
3. TO DETERMINE MULLION RATING LOCATE MULLION SPAN COLUMN AND BOTTOM UNIT HEIGHT ROW WITH APPROPRIATE TRANSOM HEIGHT. RATING WOULD BE LOCATED AT INTERSECTION OF COLUMN (MULLION SPAN) AND ROW (BOTTOM UNIT HEIGHT).
4. MULLION RATING MUST BE EQUAL OR GREATER THAN REQUIRED DESIGN PRESSURE OBTAINED IN STEP 1.
5. IF TRANSOM TO BE INSTALLED IS NOT LISTED IN THESE CHARTS GO TO NEXT HIGHER TRANSOM CHART. FOR EXAMPLE IF TRANSOM TO BE INSTALLED IS 20" HIGH THEN USE CHART FOR 24" TRANSOM.

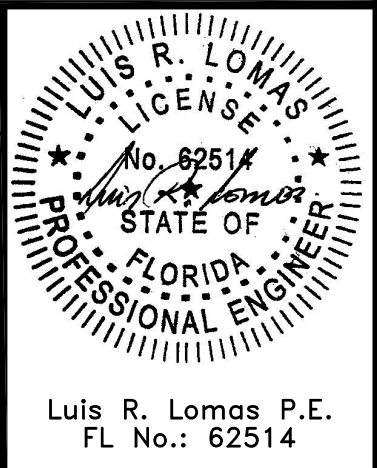
ANCHORING NOTES:

1. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
2. FOR ANCHORING INTO CONCRETE USE 1/4" ELCO CRETE-FLEX TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
3. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS GRADE 5 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.
4. DOORS AND TRANSOMS TO BE INSTALLED ACCORDING TO THEIR OWN APPROVAL DOCUMENTATION.
5. ALL FASTENERS TO BE CORROSION RESISTANT.
6. 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 2,000 PSI.
 - C. NORMAL WEIGHT MASONRY HOLLOW FILLED BLOCK PER AS ASTM C90 WITH F'm= 2,000 PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048"), Fy= 33KSI/ Fu= 52KSI OR ALUMINUM 6063-T5 Fu= 30KSI .075" THICK MINIMUM

SIGNED: 08/10/2026

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NAN YA PLASTICS CORPORATION U.S.A. 41016 SHADRACK ST HOUSTON, TX 77013		
MULLION HORIZONTAL ROYAL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM NOTES		
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 1 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



REVISIONS			
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A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.

CHART #1

Maximum design pressure capacity chart (psf)
Single door with a transom height of: 18"
Design pressures are positive and negative

Height (in)		Unit width (in)							
Door	Transom	24.0	27.0	30.0	33.0	36.6	48.0	54.0	60.0
80.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	18.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

IMPACT RATED UP TO WIND ZONE 3

CHART #3

Maximum design pressure capacity chart (psf)
Single door with a transom height of: 30"
Design pressures are positive and negative

Height (in)		Unit width (in)							
Door	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

IMPACT RATED UP TO WIND ZONE 3

CHART #2

Maximum design pressure capacity chart (psf)
Single door with a transom height of: 24"
Design pressures are positive and negative

Height (in)		Unit width (in)							
Door	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

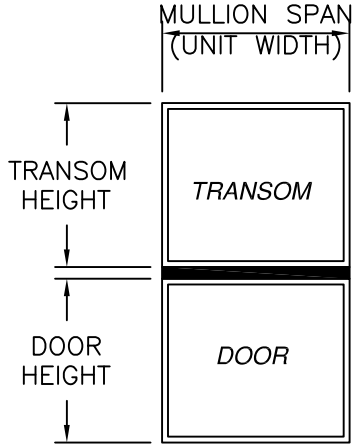
IMPACT RATED UP TO WIND ZONE 3

CHART #4

Maximum design pressure capacity chart (psf)
Single door with a transom height of: 36"
Design pressures are positive and negative

Height (in)		Unit width (in)							
Door	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

IMPACT RATED UP TO WIND ZONE 3



HORIZONTAL MULLION
SINGLE DOOR WITH TRANSOM
SEE CHARTS #1, #2, #3, AND #4 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
SINGLE DOOR WITH TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

SHEET
2 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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

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CHART #5

Maximum design pressure capacity chart (psf)
Double door with transom height of: 18 in
Design pressures are positive and negative

Height (in)		Frame and Panel Width (in.)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Door	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
80.00	18.00	100.0	100.0	100.0	92.4	67.8	51.9	39.5
82.00	18.00	100.0	100.0	100.0	90.6	66.5	50.9	38.8
84.00	18.00	100.0	100.0	100.0	88.8	65.2	49.9	38.1
86.00	18.00	100.0	100.0	100.0	87.1	63.9	48.9	37.5
88.00	18.00	100.0	100.0	100.0	85.4	62.7	48.0	36.8
90.00	18.00	100.0	100.0	100.0	83.8	61.5	47.1	36.2
92.00	18.00	100.0	100.0	100.0	82.3	60.4	46.2	35.6
94.00	18.00	100.0	100.0	100.0	80.8	59.3	45.4	35.1
95.50	18.00	100.0	100.0	100.0	79.8	58.5	44.8	34.7

IMPACT RATED UP TO WIND ZONE 3

CHART #7

Maximum design pressure capacity chart (psf)
Double door with transom height of: 30 in
Design pressures are positive and negative

Height (in)		Frame and Panel Width (in.)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Door	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
80.00	30.00	100.0	100.0	100.0	83.3	61.0	46.6	35.1
82.00	30.00	100.0	100.0	100.0	81.8	59.9	45.7	34.5
84.00	30.00	100.0	100.0	100.0	80.4	58.8	44.9	34.0
86.00	30.00	100.0	100.0	100.0	79.0	57.8	44.1	33.5
88.00	30.00	100.0	100.0	100.0	77.6	56.8	43.4	33.0
90.00	30.00	100.0	100.0	100.0	76.3	55.8	42.6	32.5
92.00	30.00	100.0	100.0	100.0	75.0	54.9	41.9	32.0
94.00	30.00	100.0	100.0	100.0	73.8	54.0	41.3	31.6
95.50	30.00	100.0	100.0	100.0	72.9	53.4	40.8	31.2

IMPACT RATED UP TO WIND ZONE 3

CHART #6

Maximum design pressure capacity chart (psf)
Double door with transom height of: 24 in
Design pressures are positive and negative

Height (in)		Frame and Panel Width (in.)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Door	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
80.00	24.00	100.0	100.0	100.0	87.5	64.1	49.0	37.1
82.00	24.00	100.0	100.0	100.0	85.8	62.9	48.1	36.5
84.00	24.00	100.0	100.0	100.0	84.2	61.8	47.2	35.9
86.00	24.00	100.0	100.0	100.0	82.7	60.6	46.4	35.3
88.00	24.00	100.0	100.0	100.0	81.2	59.5	45.5	34.8
90.00	24.00	100.0	100.0	100.0	79.8	58.5	44.7	34.2
92.00	24.00	100.0	100.0	100.0	78.4	57.5	43.9	33.7
94.00	24.00	100.0	100.0	100.0	77.0	56.5	43.2	33.2
95.50	24.00	100.0	100.0	100.0	76.1	55.8	42.7	32.8

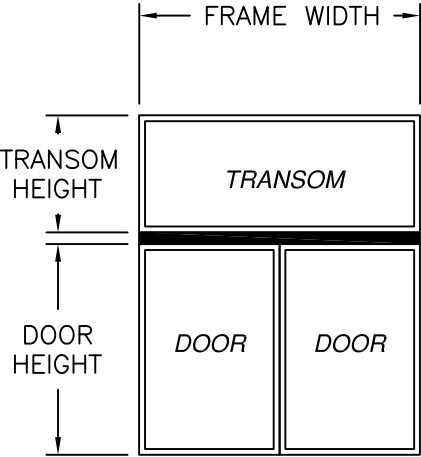
IMPACT RATED UP TO WIND ZONE 3

CHART #8

Maximum design pressure capacity chart (psf)
Double door with transom height of: 36 in
Design pressures are positive and negative

Height (in)		Frame and Panel Width (in.)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Door	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
80.00	36.00	100.0	100.0	100.0	79.8	58.3	44.4	33.3
82.00	36.00	100.0	100.0	100.0	78.5	57.2	43.6	32.8
84.00	36.00	100.0	100.0	100.0	77.1	56.3	42.9	32.3
86.00	36.00	100.0	100.0	100.0	75.8	55.3	42.2	31.9
88.00	36.00	100.0	100.0	100.0	74.6	54.4	41.5	31.4
90.00	36.00	100.0	100.0	100.0	73.4	53.5	40.8	31.0
92.00	36.00	100.0	100.0	100.0	72.2	52.7	40.2	30.5
94.00	36.00	100.0	100.0	100.0	71.0	51.9	39.6	30.1
95.50	36.00	100.0	100.0	100.0	70.2	51.3	39.1	29.8

IMPACT RATED UP TO WIND ZONE 3



HORIZONTAL MULLION
DOUBLE DOOR WITH TRANSOM
SEE CHARTS #5, #6, #7, AND #8 FOR RATINGS

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
DOUBLE DOOR WITH TRANSOM

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V.L.

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L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

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

CHART #9										
Ratings for single door with 12 in wide sidelites and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		36.00	39.00	42.00	45.00	48.00	51.00	54.00	57.00	60.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

IMPACT RATED UP TO WIND ZONE 3

CHART #10										
Ratings for single door with 18 in wide sidelites and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		42.00	45.00	48.00	51.00	54.00	57.00	60.00	63.00	66.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.6
96.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2

IMPACT RATED UP TO WIND ZONE 3

CHART #11										
Ratings for single door with 24 in wide sidelites and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1
84.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	88.5
88.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.7	85.1
92.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	97.6	89.3	82.0
96.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	94.2	86.2	79.1

IMPACT RATED UP TO WIND ZONE 3

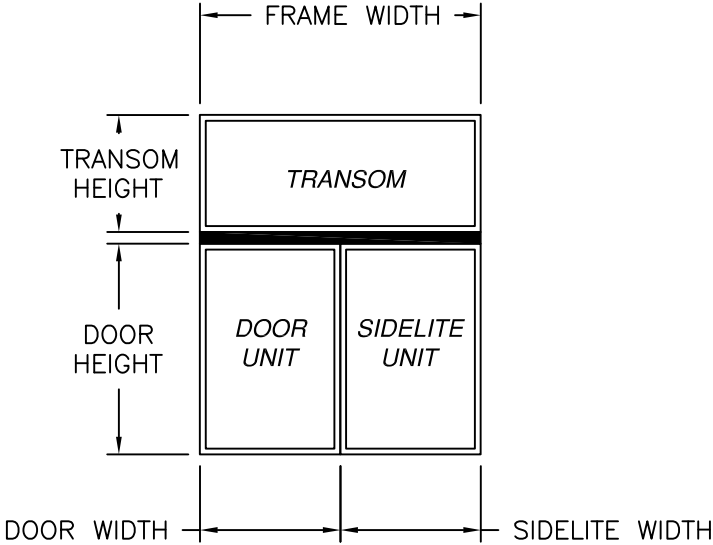
CHART #12										
Ratings for single door with 30 in wide sidelites and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	92.1	84.9	78.5
84.00	18.00	100.0	100.0	100.0	100.0	100.0	96.3	88.5	81.5	75.4
88.00	18.00	100.0	100.0	100.0	100.0	100.0	92.7	85.1	78.4	72.5
92.00	18.00	100.0	100.0	100.0	100.0	97.6	89.3	82.0	75.6	69.9
96.00	18.00	100.0	100.0	100.0	100.0	94.2	86.2	79.1	72.9	67.4

IMPACT RATED UP TO WIND ZONE 3

CHART #13										
Ratings for single door with 36 in wide sidelites and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	100.0	100.0	100.0	92.1	84.9	78.5	72.7	67.6
84.00	18.00	100.0	100.0	100.0	96.3	88.5	81.5	75.4	69.9	65.0
88.00	18.00	100.0	100.0	100.0	92.7	85.1	78.4	72.5	67.3	62.5
92.00	18.00	100.0	100.0	97.6	89.3	82.0	75.6	69.9	64.8	60.3
96.00	18.00	100.0	100.0	94.2	86.2	79.1	72.9	67.4	62.5	58.1

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



HORIZONTAL MULLION
SINGLE UNITS WITH SIDELITE & TRANSOM
SEE CHARTS #9, #10, #11, #12 AND #13 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
SINGLE DOOR WITH SIDELITE AND 18" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

SHEET
4 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
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

CHART #14										
Ratings for single door with 12 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		36.00	39.00	42.00	45.00	48.00	51.00	54.00	57.00	60.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

IMPACT RATED UP TO WIND ZONE 3

CHART #15										
Ratings for single door with 18 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		42.00	45.00	48.00	51.00	54.00	57.00	60.00	63.00	66.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4
88.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.9
92.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.6
96.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.2	89.5

IMPACT RATED UP TO WIND ZONE 3

CHART #16										
Ratings for single door with 24 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.5	86.8
84.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	99.4	91.0	83.5
88.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	95.9	87.7	80.6
92.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	92.6	84.7	77.8
96.00	24.00	100.0	100.0	100.0	100.0	100.0	98.2	89.5	81.9	75.2

IMPACT RATED UP TO WIND ZONE 3

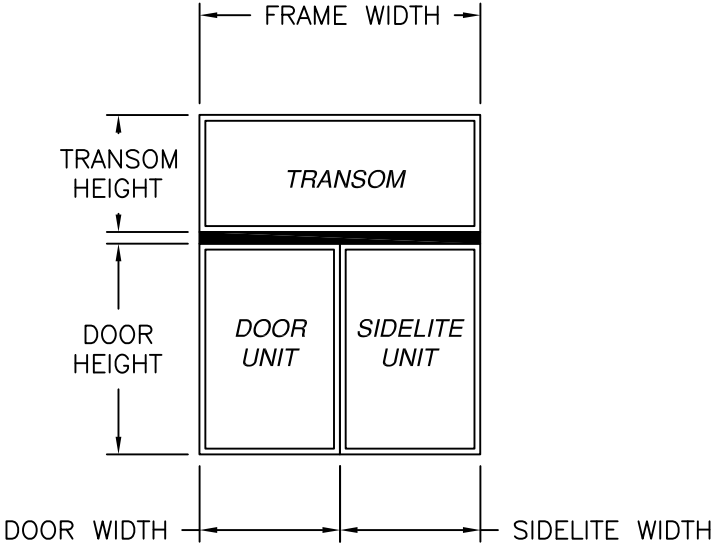
CHART #17										
Ratings for single door with 30 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	100.0	100.0	94.5	86.8	80.0	73.9
84.00	24.00	100.0	100.0	100.0	100.0	99.4	91.0	83.5	77.0	71.2
88.00	24.00	100.0	100.0	100.0	100.0	95.9	87.7	80.6	74.2	68.6
92.00	24.00	100.0	100.0	100.0	100.0	92.6	84.7	77.8	71.7	66.3
96.00	24.00	100.0	100.0	100.0	98.2	89.5	81.9	75.2	69.3	64.1

IMPACT RATED UP TO WIND ZONE 3

CHART #18										
Ratings for single door with 36 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	94.5	86.8	80.0	73.9	68.5	63.7
84.00	24.00	100.0	100.0	99.4	91.0	83.5	77.0	71.2	66.0	61.4
88.00	24.00	100.0	100.0	95.9	87.7	80.6	74.2	68.6	63.7	59.2
92.00	24.00	100.0	100.0	92.6	84.7	77.8	71.7	66.3	61.5	57.1
96.00	24.00	100.0	98.2	89.5	81.9	75.2	69.3	64.1	59.4	55.2

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



HORIZONTAL MULLION

SINGLE UNITS WITH SIDELITE & TRANSOM
SEE CHARTS #14, #15, #16, #17 AND #18 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
SINGLE DOOR WITH SIDELITE AND 24" TRANSOM

DRAWN:
V.L.

DWG NO.
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SHEET
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L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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

CHART #19

Ratings for single door with 12 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		36.00	39.00	42.00	45.00	48.00	51.00	54.00	57.00	60.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

IMPACT RATED UP TO WIND ZONE 3

CHART #20

Ratings for single door with 18 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		42.00	45.00	48.00	51.00	54.00	57.00	60.00	63.00	66.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.6
84.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2
88.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	91.0
92.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.6	88.0
96.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.5	85.2

IMPACT RATED UP TO WIND ZONE 3

CHART #21

Ratings for single door with 24 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	97.6	89.3	82.0
84.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	94.2	86.2	79.1
88.00	30.00	100.0	100.0	100.0	100.0	100.0	99.9	91.0	83.3	76.5
92.00	30.00	100.0	100.0	100.0	100.0	100.0	96.6	88.0	80.5	74.0
96.00	30.00	100.0	100.0	100.0	100.0	100.0	93.5	85.2	78.0	71.6

IMPACT RATED UP TO WIND ZONE 3

CHART #22

Ratings for single door with 30 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	100.0	100.0	97.6	89.3	82.0	75.6	69.9
84.00	30.00	100.0	100.0	100.0	100.0	94.2	86.2	79.1	72.9	67.4
88.00	30.00	100.0	100.0	100.0	99.9	91.0	83.3	76.5	70.5	65.2
92.00	30.00	100.0	100.0	100.0	96.6	88.0	80.5	74.0	68.2	63.0
96.00	30.00	100.0	100.0	100.0	93.5	85.2	78.0	71.6	66.0	61.0

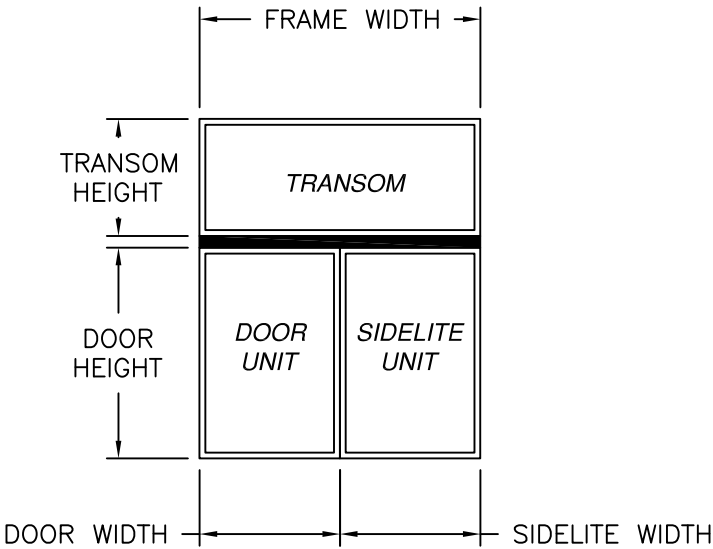
IMPACT RATED UP TO WIND ZONE 3

CHART #23

Ratings for single door with 36 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	97.6	89.3	82.0	75.6	69.9	64.8	60.3
84.00	30.00	100.0	100.0	94.2	86.2	79.1	72.9	67.4	62.5	58.1
88.00	30.00	100.0	99.9	91.0	83.3	76.5	70.5	65.2	60.4	56.2
92.00	30.00	100.0	96.6	88.0	80.5	74.0	68.2	63.0	58.4	54.3
96.00	30.00	100.0	93.5	85.2	78.0	71.6	66.0	61.0	56.6	52.6

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



HORIZONTAL MULLION

SINGLE UNITS WITH SIDELITE & TRANSOM
SEE CHARTS #19, #20, #21, #22 AND #23 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
SINGLE DOOR WITH SIDELITE AND 30" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

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L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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

CHART #24

Ratings for single door with 12 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		36.00	39.00	42.00	45.00	48.00	51.00	54.00	57.00	60.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.4

IMPACT RATED UP TO WIND ZONE 3

CHART #25

Ratings for single door with 18 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		42.00	45.00	48.00	51.00	54.00	57.00	60.00	63.00	66.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.6
84.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.2	89.5
88.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.0	86.6
92.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1	83.9
96.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	98.4	89.3	81.3

IMPACT RATED UP TO WIND ZONE 3

CHART #26

Ratings for single door with 24 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	92.6	84.7	77.8
84.00	36.00	100.0	100.0	100.0	100.0	100.0	98.2	89.5	81.9	75.2
88.00	36.00	100.0	100.0	100.0	100.0	100.0	95.0	86.6	79.2	72.8
92.00	36.00	100.0	100.0	100.0	100.0	100.0	92.1	83.9	76.8	70.5
96.00	36.00	100.0	100.0	100.0	100.0	98.4	89.3	81.3	74.4	68.4

IMPACT RATED UP TO WIND ZONE 3

CHART #27

Ratings for single door with 30 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	100.0	100.0	92.6	84.7	77.8	71.7	66.3
84.00	36.00	100.0	100.0	100.0	98.2	89.5	81.9	75.2	69.3	64.1
88.00	36.00	100.0	100.0	100.0	95.0	86.6	79.2	72.8	67.1	62.0
92.00	36.00	100.0	100.0	100.0	92.1	83.9	76.8	70.5	65.0	60.1
96.00	36.00	100.0	100.0	98.4	89.3	81.3	74.4	68.4	63.0	58.2

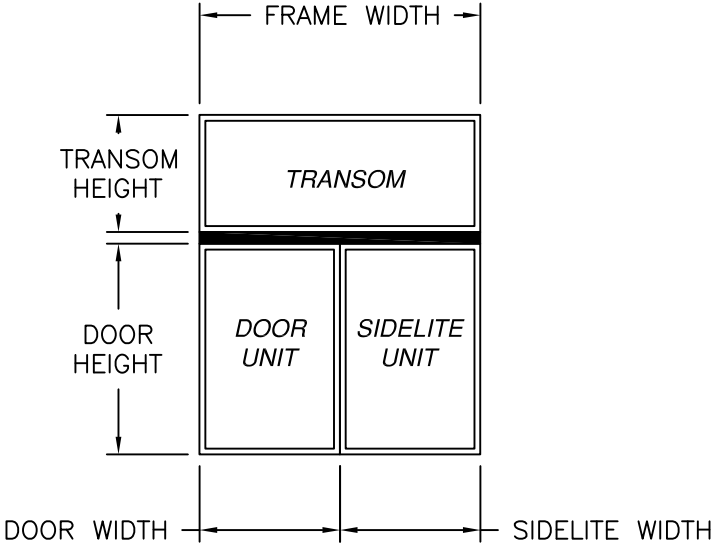
IMPACT RATED UP TO WIND ZONE 3

CHART #28

Ratings for single door with 36 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	92.6	84.7	77.8	71.7	66.3	61.5	57.1
84.00	36.00	100.0	98.2	89.5	81.9	75.2	69.3	64.1	59.4	55.2
88.00	36.00	100.0	95.0	86.6	79.2	72.8	67.1	62.0	57.5	53.5
92.00	36.00	100.0	92.1	83.9	76.8	70.5	65.0	60.1	55.7	51.8
96.00	36.00	98.4	89.3	81.3	74.4	68.4	63.0	58.2	54.0	50.2

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
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A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



HORIZONTAL MULLION

SINGLE UNITS WITH SIDELITE & TRANSOM
SEE CHARTS #24, #25, #26, #27 AND #28 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
SINGLE DOOR WITH SIDELITE AND 36" TRANSOM

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

CHART #29

Ratings for single door with 12 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1
84.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	88.5	
88.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.7	85.1	
92.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	97.6	89.3	82.0	
96.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	94.2	86.2	79.1	

IMPACT RATED UP TO WIND ZONE 3

CHART #30

Ratings for single door with 18 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	100.0	100.0	100.0	100.0	92.1	84.9	78.5	72.7	67.6	
84.00	18.00	100.0	100.0	100.0	96.3	88.5	81.5	75.4	69.9	65.0	
88.00	18.00	100.0	100.0	100.0	92.7	85.1	78.4	72.5	67.3	62.5	
92.00	18.00	100.0	100.0	97.6	89.3	82.0	75.6	69.9	64.8	60.3	
96.00	18.00	100.0	100.0	94.2	86.2	79.1	72.9	67.4	62.5	58.1	

IMPACT RATED UP TO WIND ZONE 3

CHART #31

Ratings for single door with 24 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		72.00	75.00	78.00	81.00	84.00	87.00	90.00	93.00	96.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	92.1	84.9	78.5	72.7	67.6	63.1	58.9	55.2	51.5	
84.00	18.00	88.5	81.5	75.4	69.9	65.0	60.6	56.6	53.0	49.5	
88.00	18.00	85.1	78.4	72.5	67.3	62.5	58.3	54.5	51.0	47.6	
92.00	18.00	82.0	75.6	69.9	64.8	60.3	56.2	52.5	49.2	45.9	
96.00	18.00	79.1	72.9	67.4	62.5	58.1	54.2	50.7	47.4	44.3	

IMPACT RATED UP TO WIND ZONE 3

CHART #32

Ratings for single door with 30 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		84.00	87.00	90.00	93.00	96.00	99.00	102.00	105.00	108.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	67.6	63.1	58.9	55.2	51.5	47.0	43.0	39.4	36.2	
84.00	18.00	65.0	60.6	56.6	53.0	49.5	45.1	41.3	37.8	34.8	
88.00	18.00	62.5	58.3	54.5	51.0	47.6	43.4	39.7	36.4	33.5	
92.00	18.00	60.3	56.2	52.5	49.2	45.9	41.9	38.3	35.1	32.2	
96.00	18.00	58.1	54.2	50.7	47.4	44.3	40.4	36.9	33.9	31.1	

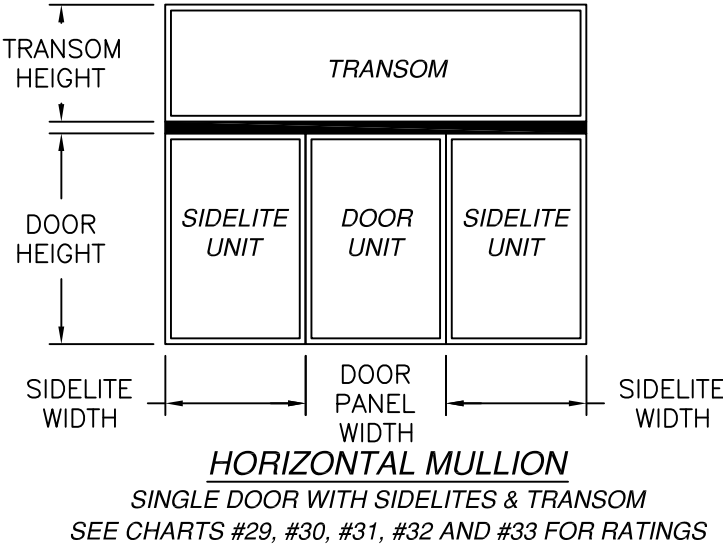
IMPACT RATED UP TO WIND ZONE 3

CHART #33

Ratings for single door with 36 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		96.00	99.00	102.00	105.00	108.00	111.00	114.00	117.00	120.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	51.5	47.0	43.0	39.4	36.2	33.3	30.8	28.5	26.4	
84.00	18.00	49.5	45.1	41.3	37.8	34.8	32.0	29.6	27.3	25.3	
88.00	18.00	47.6	43.4	39.7	36.4	33.5	30.8	28.5	26.3	24.4	
92.00	18.00	45.9	41.9	38.3	35.1	32.2	29.7	27.4	25.4	23.5	
96.00	18.00	44.3	40.4	36.9	33.9	31.1	28.7	26.5	24.5	22.7	

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
SINGLE DOOR WITH SIDELITES AND 18" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

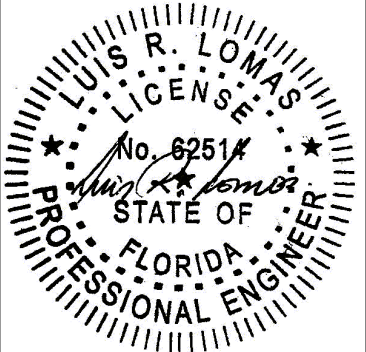
SCALE
NTS

DATE
06/06/16

SHEET
8 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026



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

CHART #34										
Ratings for single door with 12 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.5	86.8
84.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	99.4	91.0	83.5
88.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	95.9	87.7	80.6
92.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	92.6	84.7	77.8
96.00	24.00	100.0	100.0	100.0	100.0	100.0	98.2	89.5	81.9	75.2

IMPACT RATED UP TO WIND ZONE 3

CHART #35										
Ratings for single door with 18 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	94.5	86.8	80.0	73.9	68.5	63.7
84.00	24.00	100.0	100.0	99.4	91.0	83.5	77.0	71.2	66.0	61.4
88.00	24.00	100.0	100.0	95.9	87.7	80.6	74.2	68.6	63.7	59.2
92.00	24.00	100.0	100.0	92.6	84.7	77.8	71.7	66.3	61.5	57.1
96.00	24.00	100.0	98.2	89.5	81.9	75.2	69.3	64.1	59.4	55.2

IMPACT RATED UP TO WIND ZONE 3

CHART #36										
Ratings for single door with 24 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	75.00	78.00	81.00	84.00	87.00	90.00	93.00	96.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	86.8	80.0	73.9	68.5	63.7	59.4	55.5	52.0	48.6
84.00	24.00	83.5	77.0	71.2	66.0	61.4	57.2	53.5	50.1	46.8
88.00	24.00	80.6	74.2	68.6	63.7	59.2	55.2	51.6	48.3	45.1
92.00	24.00	77.8	71.7	66.3	61.5	57.1	53.3	49.8	46.6	43.5
96.00	24.00	75.2	69.3	64.1	59.4	55.2	51.5	48.1	45.1	42.1

IMPACT RATED UP TO WIND ZONE 3

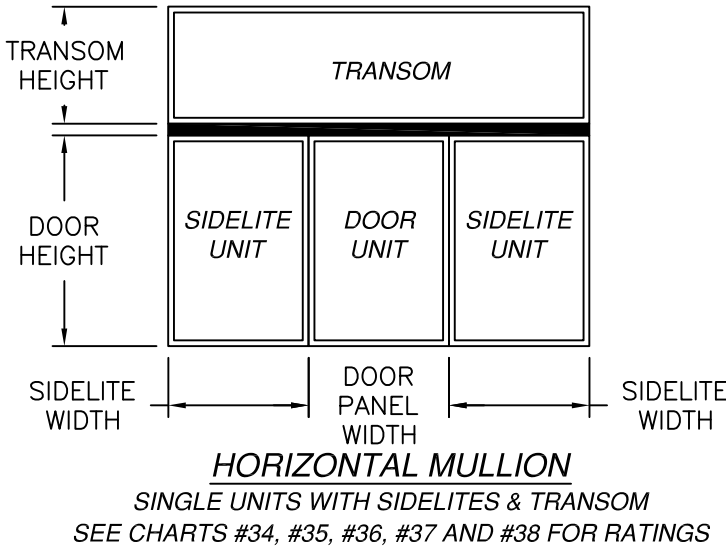
CHART #37										
Ratings for single door with 30 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	87.00	90.00	93.00	96.00	99.00	102.00	105.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	63.7	59.4	55.5	52.0	48.6	44.3	40.5	37.1	34.1
84.00	24.00	61.4	57.2	53.5	50.1	46.8	42.6	39.0	35.7	32.8
88.00	24.00	59.2	55.2	51.6	48.3	45.1	41.1	37.6	34.5	31.7
92.00	24.00	57.1	53.3	49.8	46.6	43.5	39.7	36.3	33.3	30.6
96.00	24.00	55.2	51.5	48.1	45.1	42.1	38.4	35.1	32.2	29.6

IMPACT RATED UP TO WIND ZONE 3

CHART #38										
Ratings for single door with 36 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		96.00	99.00	102.00	105.00	108.00	111.00	114.00	117.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	48.6	44.3	40.5	37.1	34.1	31.4	29.0	26.8	24.9
84.00	24.00	46.8	42.6	39.0	35.7	32.8	30.2	27.9	25.8	23.9
88.00	24.00	45.1	41.1	37.6	34.5	31.7	29.2	26.9	24.9	23.1
92.00	24.00	43.5	39.7	36.3	33.3	30.6	28.2	26.0	24.0	22.3
96.00	24.00	42.1	38.4	35.1	32.2	29.6	27.2	25.1	23.2	21.5

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



NAN YA PLASTICS CORPORATION U.S.A.

41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
SINGLE DOOR WITH SIDELITES AND 24" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

SHEET
9 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

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

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

CHART #39										
Ratings for single door with 12 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	97.6	89.3	82.0
84.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	94.2	86.2	79.1
88.00	30.00	100.0	100.0	100.0	100.0	100.0	99.9	91.0	83.3	76.5
92.00	30.00	100.0	100.0	100.0	100.0	100.0	96.6	88.0	80.5	74.0
96.00	30.00	100.0	100.0	100.0	100.0	100.0	93.5	85.2	78.0	71.6

IMPACT RATED UP TO WIND ZONE 3

CHART #40										
Ratings for single door with 18 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	97.6	89.3	82.0	75.6	69.9	64.8	60.3
84.00	30.00	100.0	100.0	94.2	86.2	79.1	72.9	67.4	62.5	58.1
88.00	30.00	100.0	99.9	91.0	83.3	76.5	70.5	65.2	60.4	56.2
92.00	30.00	100.0	96.6	88.0	80.5	74.0	68.2	63.0	58.4	54.3
96.00	30.00	100.0	93.5	85.2	78.0	71.6	66.0	61.0	56.6	52.6

IMPACT RATED UP TO WIND ZONE 3

CHART #41										
Ratings for single door with 24 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	75.00	78.00	81.00	84.00	87.00	90.00	93.00	96.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	82.0	75.6	69.9	64.8	60.3	56.2	52.5	49.2	45.9
84.00	30.00	79.1	72.9	67.4	62.5	58.1	54.2	50.7	47.4	44.3
88.00	30.00	76.5	70.5	65.2	60.4	56.2	52.4	48.9	45.8	42.8
92.00	30.00	74.0	68.2	63.0	58.4	54.3	50.7	47.3	44.3	41.4
96.00	30.00	71.6	66.0	61.0	56.6	52.6	49.0	45.8	42.9	40.1

IMPACT RATED UP TO WIND ZONE 3

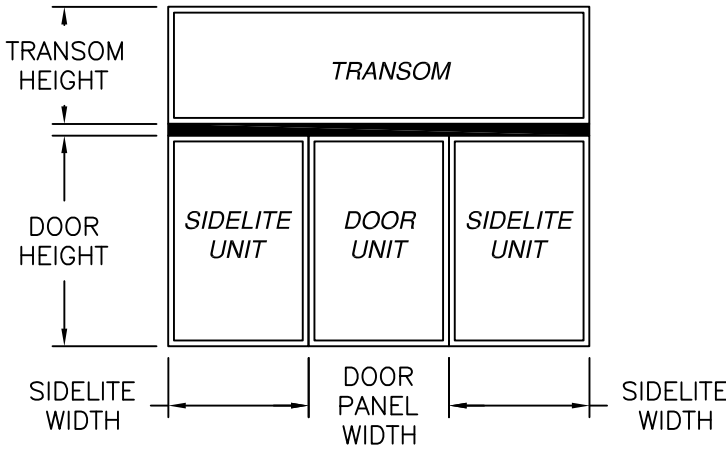
CHART #42										
Ratings for single door with 30 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	87.00	90.00	93.00	96.00	99.00	102.00	105.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	60.3	56.2	52.5	49.2	45.9	41.9	38.3	35.1	32.2
84.00	30.00	58.1	54.2	50.7	47.4	44.3	40.4	36.9	33.9	31.1
88.00	30.00	56.2	52.4	48.9	45.8	42.8	39.0	35.7	32.7	30.1
92.00	30.00	54.3	50.7	47.3	44.3	41.4	37.7	34.5	31.6	29.1
96.00	30.00	52.6	49.0	45.8	42.9	40.1	36.5	33.4	30.6	28.1

IMPACT RATED UP TO WIND ZONE 3

CHART #43										
Ratings for single door with 36 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		96.00	99.00	102.00	105.00	108.00	111.00	114.00	117.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	45.9	41.9	38.3	35.1	32.2	29.7	27.4	25.4	23.5
84.00	30.00	44.3	40.4	36.9	33.9	31.1	28.7	26.5	24.5	22.7
88.00	30.00	42.8	39.0	35.7	32.7	30.1	27.7	25.6	23.6	21.9
92.00	30.00	41.4	37.7	34.5	31.6	29.1	26.8	24.7	22.9	21.2
96.00	30.00	40.1	36.5	33.4	30.6	28.1	25.9	23.9	22.1	20.5

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.

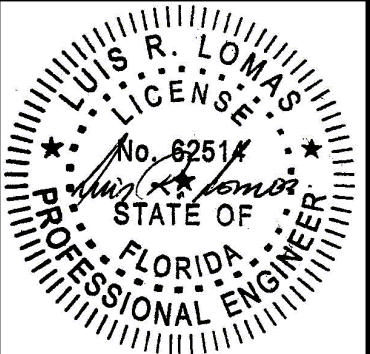


HORIZONTAL MULLION

SINGLE UNITS WITH SIDELITES & TRANSOM
SEE CHARTS #39, #40, #41, #42 AND #43 FOR RATINGS

NAN YA PLASTICS CORPORATION U.S.A. 41016 SHADRACK ST HOUSTON, TX 77013		
MULLION HORIZONTAL ROYAL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM SINGLE DOOR WITH SIDELITES AND 30" TRANSOM		
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 10 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/10/2026



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

CHART #44

Ratings for single door with 12 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	92.6	84.7	77.8
84.00	36.00	100.0	100.0	100.0	100.0	100.0	98.2	89.5	81.9	75.2
88.00	36.00	100.0	100.0	100.0	100.0	100.0	95.0	86.6	79.2	72.8
92.00	36.00	100.0	100.0	100.0	100.0	100.0	92.1	83.9	76.8	70.5
96.00	36.00	100.0	100.0	100.0	100.0	98.4	89.3	81.3	74.4	68.4

IMPACT RATED UP TO WIND ZONE 3

CHART #45

Ratings for single door with 18 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	63.00	66.00	69.00	72.00	75.00	78.00	81.00	84.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	92.6	84.7	77.8	71.7	66.3	61.5	57.1
84.00	36.00	100.0	98.2	89.5	81.9	75.2	69.3	64.1	59.4	55.2
88.00	36.00	100.0	95.0	86.6	79.2	72.8	67.1	62.0	57.5	53.5
92.00	36.00	100.0	92.1	83.9	76.8	70.5	65.0	60.1	55.7	51.8
96.00	36.00	98.4	89.3	81.3	74.4	68.4	63.0	58.2	54.0	50.2

IMPACT RATED UP TO WIND ZONE 3

CHART #46

Ratings for single door with 24 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	75.00	78.00	81.00	84.00	87.00	90.00	93.00	96.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	77.8	71.7	66.3	61.5	57.1	53.3	49.8	46.6	43.5
84.00	36.00	75.2	69.3	64.1	59.4	55.2	51.5	48.1	45.1	42.1
88.00	36.00	72.8	67.1	62.0	57.5	53.5	49.8	46.6	43.6	40.7
92.00	36.00	70.5	65.0	60.1	55.7	51.8	48.3	45.1	42.3	39.5
96.00	36.00	68.4	63.0	58.2	54.0	50.2	46.8	43.7	41.0	38.3

IMPACT RATED UP TO WIND ZONE 3

CHART #47

Ratings for single door with 30 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	87.00	90.00	93.00	96.00	99.00	102.00	105.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	57.1	53.3	49.8	46.6	43.5	39.7	36.3	33.3	30.6
84.00	36.00	55.2	51.5	48.1	45.1	42.1	38.4	35.1	32.2	29.6
88.00	36.00	53.5	49.8	46.6	43.6	40.7	37.1	34.0	31.1	28.6
92.00	36.00	51.8	48.3	45.1	42.3	39.5	36.0	32.9	30.2	27.7
96.00	36.00	50.2	46.8	43.7	41.0	38.3	34.9	31.9	29.2	26.9

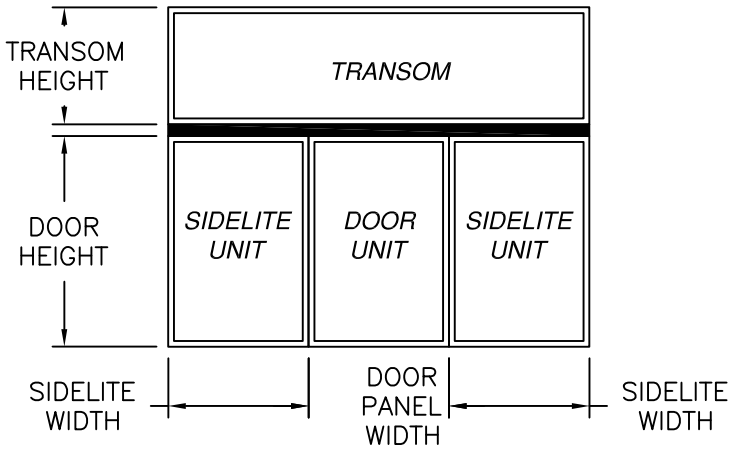
IMPACT RATED UP TO WIND ZONE 3

CHART #48

Ratings for single door with 36 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		96.00	99.00	102.00	105.00	108.00	111.00	114.00	117.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	43.5	39.7	36.3	33.3	30.6	28.2	26.0	24.0	22.3
84.00	36.00	42.1	38.4	35.1	32.2	29.6	27.2	25.1	23.2	21.5
88.00	36.00	40.7	37.1	34.0	31.1	28.6	26.3	24.3	22.5	20.9
92.00	36.00	39.5	36.0	32.9	30.2	27.7	25.5	23.6	21.8	20.2
96.00	36.00	38.3	34.9	31.9	29.2	26.9	24.7	22.8	21.1	19.6

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.

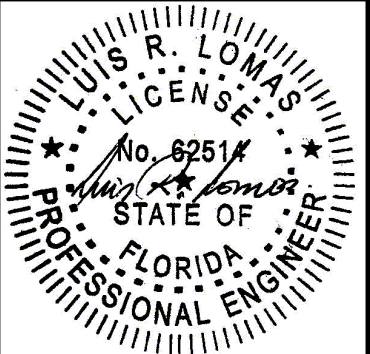


HORIZONTAL MULLION

SINGLE UNITS WITH SIDELITES & TRANSOM
SEE CHARTS #44, #45, #46, #47 AND #48 FOR RATINGS

NAN YA PLASTICS CORPORATION U.S.A. 41016 SHADRACK ST HOUSTON, TX 77013		
MULLION HORIZONTAL ROYAL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM SINGLE DOOR WITH SIDELITES AND 36" TRANSOM		
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 11 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/10/2026



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

CHART #49										
Ratings for double door with 12 in wide sidelite and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	100.0	92.1	78.5	67.6	58.9	51.5	43.0	36.2
84.00	18.00	100.0	100.0	88.5	75.4	65.0	56.6	49.5	41.3	34.8
88.00	18.00	100.0	100.0	85.1	72.5	62.5	54.5	47.6	39.7	33.5
92.00	18.00	100.0	97.6	82.0	69.9	60.3	52.5	45.9	38.3	32.2
96.00	18.00	100.0	94.2	79.1	67.4	58.1	50.7	44.3	36.9	31.1

IMPACT RATED UP TO WIND ZONE 3

CHART #50										
Ratings for double door with 18 in wide sidelite and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	92.1	78.5	67.6	58.9	51.5	43.0	36.2	30.8
84.00	18.00	100.0	88.5	75.4	65.0	56.6	49.5	41.3	34.8	29.6
88.00	18.00	100.0	85.1	72.5	62.5	54.5	47.6	39.7	33.5	28.5
92.00	18.00	97.6	82.0	69.9	60.3	52.5	45.9	38.3	32.2	27.4
96.00	18.00	94.2	79.1	67.4	58.1	50.7	44.3	36.9	31.1	26.5

IMPACT RATED UP TO WIND ZONE 3

CHART #51										
Ratings for double door with 24 in wide sidelite and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	92.1	78.5	67.6	58.9	51.5	43.0	36.2	30.8	26.4
84.00	18.00	88.5	75.4	65.0	56.6	49.5	41.3	34.8	29.6	25.3
88.00	18.00	85.1	72.5	62.5	54.5	47.6	39.7	33.5	28.5	24.4
92.00	18.00	82.0	69.9	60.3	52.5	45.9	38.3	32.2	27.4	23.5
96.00	18.00	79.1	67.4	58.1	50.7	44.3	36.9	31.1	26.5	22.7

IMPACT RATED UP TO WIND ZONE 3

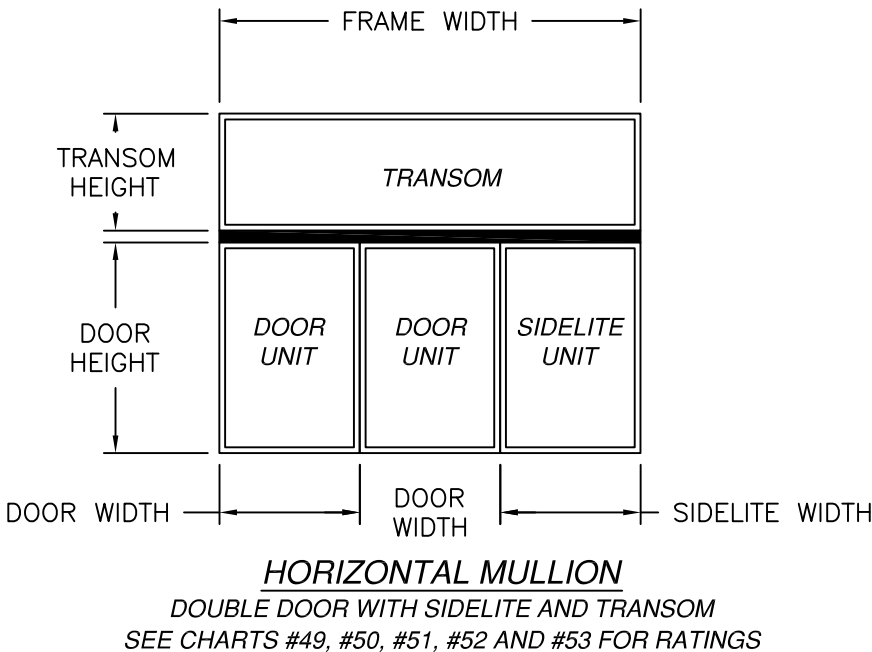
CHART #52										
Ratings for double door with 30 in wide sidelite and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	78.5	67.6	58.9	51.5	43.0	36.2	30.8	26.4	22.8
84.00	18.00	75.4	65.0	56.6	49.5	41.3	34.8	29.6	25.3	21.9
88.00	18.00	72.5	62.5	54.5	47.6	39.7	33.5	28.5	24.4	21.1
92.00	18.00	69.9	60.3	52.5	45.9	38.3	32.2	27.4	23.5	20.3
96.00	18.00	67.4	58.1	50.7	44.3	36.9	31.1	26.5	22.7	19.6

IMPACT RATED UP TO WIND ZONE 3

CHART #53										
Ratings for double door with 36 in wide sidelite and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	67.6	58.9	51.5	43.0	36.2	30.8	26.4	22.8	19.8
84.00	18.00	65.0	56.6	49.5	41.3	34.8	29.6	25.3	21.9	19.0
88.00	18.00	62.5	54.5	47.6	39.7	33.5	28.5	24.4	21.1	18.3
92.00	18.00	60.3	52.5	45.9	38.3	32.2	27.4	23.5	20.3	17.7
96.00	18.00	58.1	50.7	44.3	36.9	31.1	26.5	22.7	19.6	17.0

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
DOUBLE DOOR WITH SIDELITE AND 18" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

SHEET
12 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

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

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

CHART #54										
Ratings for double door with 12 in wide sidelite and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	86.8	73.9	63.7	55.5	48.6	40.5	34.1
84.00	24.00	100.0	99.4	83.5	71.2	61.4	53.5	46.8	39.0	32.8
88.00	24.00	100.0	95.9	80.6	68.6	59.2	51.6	45.1	37.6	31.7
92.00	24.00	100.0	92.6	77.8	66.3	57.1	49.8	43.5	36.3	30.6
96.00	24.00	100.0	89.5	75.2	64.1	55.2	48.1	42.1	35.1	29.6

IMPACT RATED UP TO WIND ZONE 3

CHART #55										
Ratings for double door with 18 in wide sidelite and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	86.8	73.9	63.7	55.5	48.6	40.5	34.1	29.0
84.00	24.00	99.4	83.5	71.2	61.4	53.5	46.8	39.0	32.8	27.9
88.00	24.00	95.9	80.6	68.6	59.2	51.6	45.1	37.6	31.7	26.9
92.00	24.00	92.6	77.8	66.3	57.1	49.8	43.5	36.3	30.6	26.0
96.00	24.00	89.5	75.2	64.1	55.2	48.1	42.1	35.1	29.6	25.1

IMPACT RATED UP TO WIND ZONE 3

CHART #56										
Ratings for double door with 24 in wide sidelite and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	86.8	73.9	63.7	55.5	48.6	40.5	34.1	29.0	24.9
84.00	24.00	83.5	71.2	61.4	53.5	46.8	39.0	32.8	27.9	23.9
88.00	24.00	80.6	68.6	59.2	51.6	45.1	37.6	31.7	26.9	23.1
92.00	24.00	77.8	66.3	57.1	49.8	43.5	36.3	30.6	26.0	22.3
96.00	24.00	75.2	64.1	55.2	48.1	42.1	35.1	29.6	25.1	21.5

IMPACT RATED UP TO WIND ZONE 3

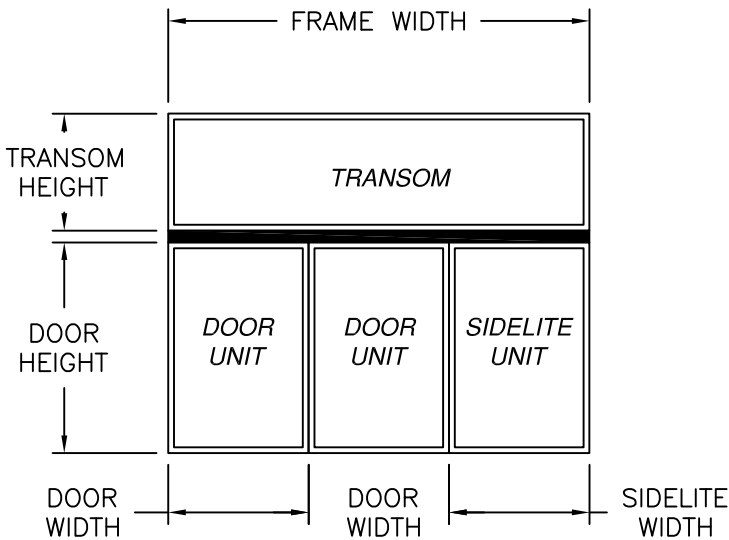
CHART #57										
Ratings for double door with 30 in wide sidelite and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	73.9	63.7	55.5	48.6	40.5	34.1	29.0	24.9	21.5
84.00	24.00	71.2	61.4	53.5	46.8	39.0	32.8	27.9	23.9	20.7
88.00	24.00	68.6	59.2	51.6	45.1	37.6	31.7	26.9	23.1	19.9
92.00	24.00	66.3	57.1	49.8	43.5	36.3	30.6	26.0	22.3	19.3
96.00	24.00	64.1	55.2	48.1	42.1	35.1	29.6	25.1	21.5	18.6

IMPACT RATED UP TO WIND ZONE 3

CHART #58										
Ratings for double door with 36 in wide sidelite and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	63.7	55.5	48.6	40.5	34.1	29.0	24.9	21.5	18.7
84.00	24.00	61.4	53.5	46.8	39.0	32.8	27.9	23.9	20.7	18.0
88.00	24.00	59.2	51.6	45.1	37.6	31.7	26.9	23.1	19.9	17.3
92.00	24.00	57.1	49.8	43.5	36.3	30.6	26.0	22.3	19.3	16.7
96.00	24.00	55.2	48.1	42.1	35.1	29.6	25.1	21.5	18.6	16.2

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



HORIZONTAL MULLION

DOUBLE DOOR WITH SIDELITE & TRANSOM
SEE CHARTS #54, #55, #56, #57 AND #58 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A. 41016 SHADRACK ST HOUSTON, TX 77013		
MULLION HORIZONTAL ROYAL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH SIDELITE AND 24" TRANSOM		
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 13 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

CHART #59										
Ratings for double door with 12 in wide sidelite and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	97.6	82.0	69.9	60.3	52.5	45.9	38.3	32.2
84.00	30.00	100.0	94.2	79.1	67.4	58.1	50.7	44.3	36.9	31.1
88.00	30.00	100.0	91.0	76.5	65.2	56.2	48.9	42.8	35.7	30.1
92.00	30.00	100.0	88.0	74.0	63.0	54.3	47.3	41.4	34.5	29.1
96.00	30.00	100.0	85.2	71.6	61.0	52.6	45.8	40.1	33.4	28.1

IMPACT RATED UP TO WIND ZONE 3

CHART #60										
Ratings for double door with 18 in wide sidelite and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	97.6	82.0	69.9	60.3	52.5	45.9	38.3	32.2	27.4
84.00	30.00	94.2	79.1	67.4	58.1	50.7	44.3	36.9	31.1	26.5
88.00	30.00	91.0	76.5	65.2	56.2	48.9	42.8	35.7	30.1	25.6
92.00	30.00	88.0	74.0	63.0	54.3	47.3	41.4	34.5	29.1	24.7
96.00	30.00	85.2	71.6	61.0	52.6	45.8	40.1	33.4	28.1	23.9

IMPACT RATED UP TO WIND ZONE 3

CHART #61										
Ratings for double door with 24 in wide sidelite and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	82.0	69.9	60.3	52.5	45.9	38.3	32.2	27.4	23.5
84.00	30.00	79.1	67.4	58.1	50.7	44.3	36.9	31.1	26.5	22.7
88.00	30.00	76.5	65.2	56.2	48.9	42.8	35.7	30.1	25.6	21.9
92.00	30.00	74.0	63.0	54.3	47.3	41.4	34.5	29.1	24.7	21.2
96.00	30.00	71.6	61.0	52.6	45.8	40.1	33.4	28.1	23.9	20.5

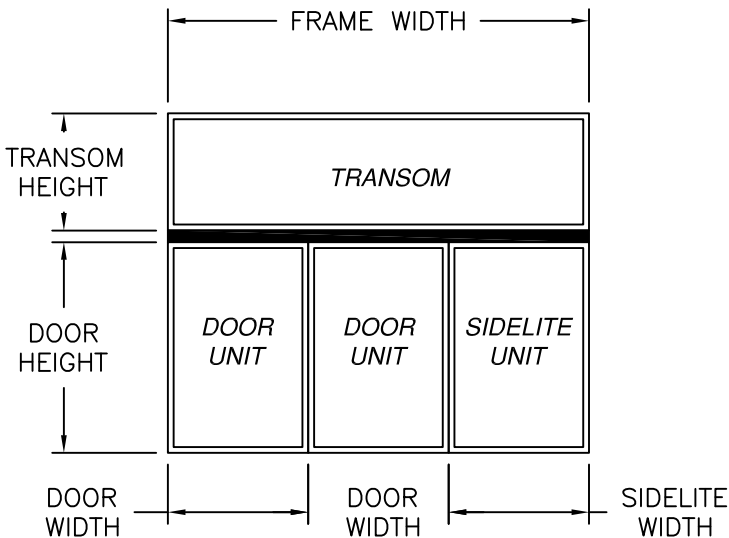
IMPACT RATED UP TO WIND ZONE 3

CHART #62										
Ratings for double door with 30 in wide sidelite and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	69.9	60.3	52.5	45.9	38.3	32.2	27.4	23.5	20.3
84.00	30.00	67.4	58.1	50.7	44.3	36.9	31.1	26.5	22.7	19.6
88.00	30.00	65.2	56.2	48.9	42.8	35.7	30.1	25.6	21.9	18.9
92.00	30.00	63.0	54.3	47.3	41.4	34.5	29.1	24.7	21.2	18.3
96.00	30.00	61.0	52.6	45.8	40.1	33.4	28.1	23.9	20.5	17.7

IMPACT RATED UP TO WIND ZONE 3

CHART #63										
Ratings for double door with 36 in wide sidelite and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	60.3	52.5	45.9	38.3	32.2	27.4	23.5	20.3	17.7
84.00	30.00	58.1	50.7	44.3	36.9	31.1	26.5	22.7	19.6	17.0
88.00	30.00	56.2	48.9	42.8	35.7	30.1	25.6	21.9	18.9	16.5
92.00	30.00	54.3	47.3	41.4	34.5	29.1	24.7	21.2	18.3	15.9
96.00	30.00	52.6	45.8	40.1	33.4	28.1	23.9	20.5	17.7	15.4

IMPACT RATED UP TO WIND ZONE 3



HORIZONTAL MULLION
DOUBLE DOOR WITH SIDELITE & TRANSOM
SEE CHARTS #59, #60, #61, #62 AND #63 FOR RATINGS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.

41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
DOUBLE DOOR WITH SIDELITE AND 30" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

SHEET
14 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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

CHART #64

Ratings for double door with 12 in wide sidelite and 36 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	36.00	100.0	92.6	77.8	66.3	57.1	49.8	43.5	36.3	30.6	
84.00	36.00	100.0	89.5	75.2	64.1	55.2	48.1	42.1	35.1	29.6	
88.00	36.00	100.0	86.6	72.8	62.0	53.5	46.6	40.7	34.0	28.6	
92.00	36.00	100.0	83.9	70.5	60.1	51.8	45.1	39.5	32.9	27.7	
96.00	36.00	98.4	81.3	68.4	58.2	50.2	43.7	38.3	31.9	26.9	

IMPACT RATED UP TO WIND ZONE 3

CHART #65

Ratings for double door with 18 in wide sidelite and 36 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	36.00	92.6	77.8	66.3	57.1	49.8	43.5	36.3	30.6	26.0	
84.00	36.00	89.5	75.2	64.1	55.2	48.1	42.1	35.1	29.6	25.1	
88.00	36.00	86.6	72.8	62.0	53.5	46.6	40.7	34.0	28.6	24.3	
92.00	36.00	83.9	70.5	60.1	51.8	45.1	39.5	32.9	27.7	23.6	
96.00	36.00	81.3	68.4	58.2	50.2	43.7	38.3	31.9	26.9	22.8	

IMPACT RATED UP TO WIND ZONE 3

CHART #66

Ratings for double door with 24 in wide sidelite and 36 in high transom (psf)											
Height (in)		Span and door panel width (in)									
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	36.00	77.8	66.3	57.1	49.8	43.5	36.3	30.6	26.0	22.3	
84.00	36.00	75.2	64.1	55.2	48.1	42.1	35.1	29.6	25.1	21.5	
88.00	36.00	72.8	62.0	53.5	46.6	40.7	34.0	28.6	24.3	20.9	
92.00	36.00	70.5	60.1	51.8	45.1	39.5	32.9	27.7	23.6	20.2	
96.00	36.00	68.4	58.2	50.2	43.7	38.3	31.9	26.9	22.8	19.6	

IMPACT RATED UP TO WIND ZONE 3

CHART #67

Ratings for double door with 30 in wide sidelite and 36 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	36.00	66.3	57.1	49.8	43.5	36.3	30.6	26.0	22.3	19.3	
84.00	36.00	64.1	55.2	48.1	42.1	35.1	29.6	25.1	21.5	18.6	
88.00	36.00	62.0	53.5	46.6	40.7	34.0	28.6	24.3	20.9	18.0	
92.00	36.00	60.1	51.8	45.1	39.5	32.9	27.7	23.6	20.2	17.4	
96.00	36.00	58.2	50.2	43.7	38.3	31.9	26.9	22.8	19.6	16.9	

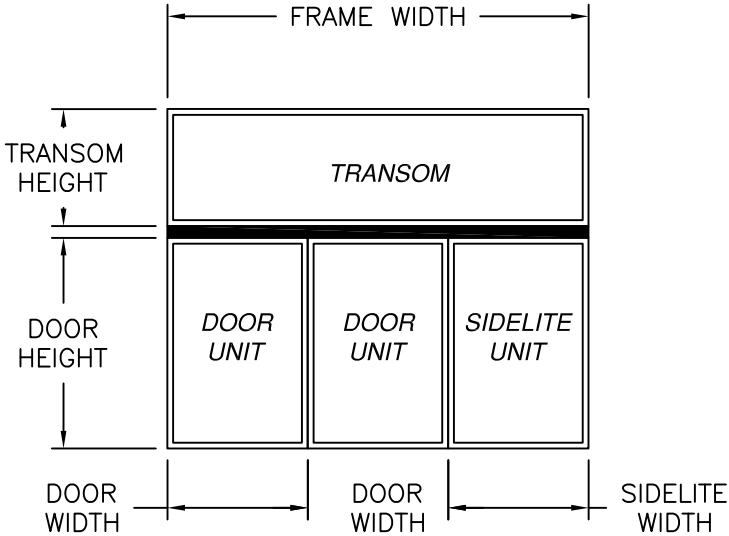
IMPACT RATED UP TO WIND ZONE 3

CHART #68

Ratings for double door with 36 in wide sidelite and 36 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	36.00	57.1	49.8	43.5	36.3	30.6	26.0	22.3	19.3	16.7	
84.00	36.00	55.2	48.1	42.1	35.1	29.6	25.1	21.5	18.6	16.2	
88.00	36.00	53.5	46.6	40.7	34.0	28.6	24.3	20.9	18.0	15.7	
92.00	36.00	51.8	45.1	39.5	32.9	27.7	23.6	20.2	17.4	15.2	
96.00	36.00	50.2	43.7	38.3	31.9	26.9	22.8	19.6	16.9	-	

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.

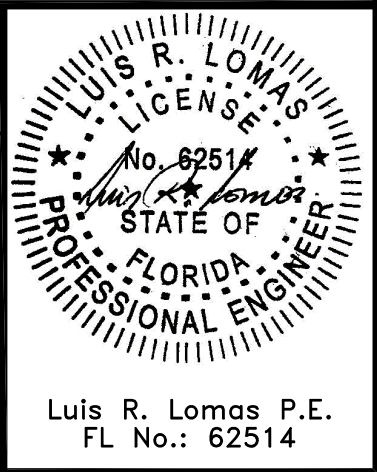


HORIZONTAL MULLION

DOUBLE DOOR WITH SIDELITE & TRANSOM
SEE CHARTS #64, #65, #66, #67 AND #68 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.		
41016 SHADRACK ST HOUSTON, TX 77013		
MULLION HORIZONTAL ROYAL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH SIDELITE AND 36" TRANSOM		
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 15 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

CHART #69											
Ratings for double door with 12 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	92.1	78.5	67.6	58.9	51.5	43.0	36.2	30.8	26.4	
84.00	18.00	88.5	75.4	65.0	56.6	49.5	41.3	34.8	29.6	25.3	
88.00	18.00	85.1	72.5	62.5	54.5	47.6	39.7	33.5	28.5	24.4	
92.00	18.00	82.0	69.9	60.3	52.5	45.9	38.3	32.2	27.4	23.5	
96.00	18.00	79.1	67.4	58.1	50.7	44.3	36.9	31.1	26.5	22.7	

IMPACT RATED UP TO WIND ZONE 3

CHART #70											
Ratings for double door with 18 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	67.6	58.9	51.5	43.0	36.2	30.8	26.4	22.8	19.8	
84.00	18.00	65.0	56.6	49.5	41.3	34.8	29.6	25.3	21.9	19.0	
88.00	18.00	62.5	54.5	47.6	39.7	33.5	28.5	24.4	21.1	18.3	
92.00	18.00	60.3	52.5	45.9	38.3	32.2	27.4	23.5	20.3	17.7	
96.00	18.00	58.1	50.7	44.3	36.9	31.1	26.5	22.7	19.6	17.0	

IMPACT RATED UP TO WIND ZONE 3

CHART #71											
Ratings for double door with 24 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		96.00	102.00	108.00	114.00	120.00	126.00	132.00	138.00	144.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	51.5	43.0	36.2	30.8	26.4	22.8	19.8	17.3	15.3	
84.00	18.00	49.5	41.3	34.8	29.6	25.3	21.9	19.0	16.7	-	
88.00	18.00	47.6	39.7	33.5	28.5	24.4	21.1	18.3	16.0	-	
92.00	18.00	45.9	38.3	32.2	27.4	23.5	20.3	17.7	15.5	-	
96.00	18.00	44.3	36.9	31.1	26.5	22.7	19.6	17.0	-	-	

IMPACT RATED UP TO WIND ZONE 3

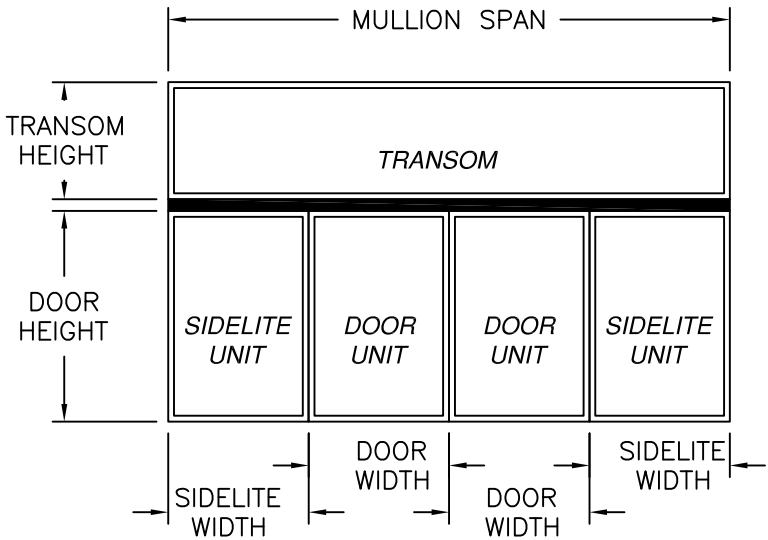
CHART #72											
Ratings for double door with 30 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		108.00	114.00	120.00	126.00	132.00	138.00	144.00	150.00	156.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	36.2	30.8	26.4	22.8	19.8	17.3	15.3	-	-	
84.00	18.00	34.8	29.6	25.3	21.9	19.0	16.7	-	-	-	
88.00	18.00	33.5	28.5	24.4	21.1	18.3	16.0	-	-	-	
92.00	18.00	32.2	27.4	23.5	20.3	17.7	15.5	-	-	-	
96.00	18.00	31.1	26.5	22.7	19.6	17.0	-	-	-	-	

IMPACT RATED UP TO WIND ZONE 3

CHART #73											
Ratings for double door with 36 in wide sidelites and 18 in high transom (psf)											
Height (in)		Frame and door panel width (in)									
		120.00	126.00	132.00	138.00	144.00	150.00	156.00	162.00	168.00	
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	
80.00	18.00	26.4	22.8	19.8	17.3	15.3	-	-	-	-	
84.00	18.00	25.3	21.9	19.0	16.7	-	-	-	-	-	
88.00	18.00	24.4	21.1	18.3	16.0	-	-	-	-	-	
92.00	18.00	23.5	20.3	17.7	15.5	-	-	-	-	-	
96.00	18.00	22.7	19.6	17.0	-	-	-	-	-	-	

IMPACT RATED UP TO WIND ZONE 3

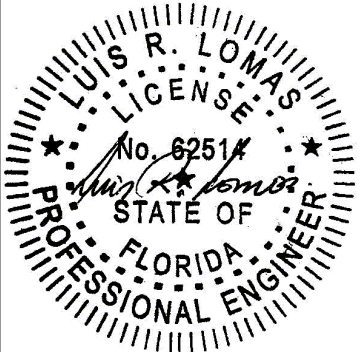
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



HORIZONTAL MULLION
DOUBLE DOOR WITH SIDELITES & TRANSOM
SEE CHARTS #69, #70, #71, #72 AND #73 FOR RATINGS

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A.		
41016 SHADRACK ST HOUSTON, TX 77013		
MULLION HORIZONTAL ROYAL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH SIDELITES AND 18" TRANSOM		
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 16 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

CHART #74										
Ratings for double door with 12 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	86.8	73.9	63.7	55.5	48.6	40.5	34.1	29.0	24.9
84.00	24.00	83.5	71.2	61.4	53.5	46.8	39.0	32.8	27.9	23.9
88.00	24.00	80.6	68.6	59.2	51.6	45.1	37.6	31.7	26.9	23.1
92.00	24.00	77.8	66.3	57.1	49.8	43.5	36.3	30.6	26.0	22.3
96.00	24.00	75.2	64.1	55.2	48.1	42.1	35.1	29.6	25.1	21.5

IMPACT RATED UP TO WIND ZONE 3

CHART #75										
Ratings for double door with 18 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	63.7	55.5	48.6	40.5	34.1	29.0	24.9	21.5	18.7
84.00	24.00	61.4	53.5	46.8	39.0	32.8	27.9	23.9	20.7	18.0
88.00	24.00	59.2	51.6	45.1	37.6	31.7	26.9	23.1	19.9	17.3
92.00	24.00	57.1	49.8	43.5	36.3	30.6	26.0	22.3	19.3	16.7
96.00	24.00	55.2	48.1	42.1	35.1	29.6	25.1	21.5	18.6	16.2

IMPACT RATED UP TO WIND ZONE 3

CHART #76										
Ratings for double door with 24 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		96.00	102.00	108.00	114.00	120.00	126.00	132.00	138.00	144.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	48.6	40.5	34.1	29.0	24.9	21.5	18.7	16.3	-
84.00	24.00	46.8	39.0	32.8	27.9	23.9	20.7	18.0	15.7	-
88.00	24.00	45.1	37.6	31.7	26.9	23.1	19.9	17.3	15.2	-
92.00	24.00	43.5	36.3	30.6	26.0	22.3	19.3	16.7	-	-
96.00	24.00	42.1	35.1	29.6	25.1	21.5	18.6	16.2	-	-

IMPACT RATED UP TO WIND ZONE 3

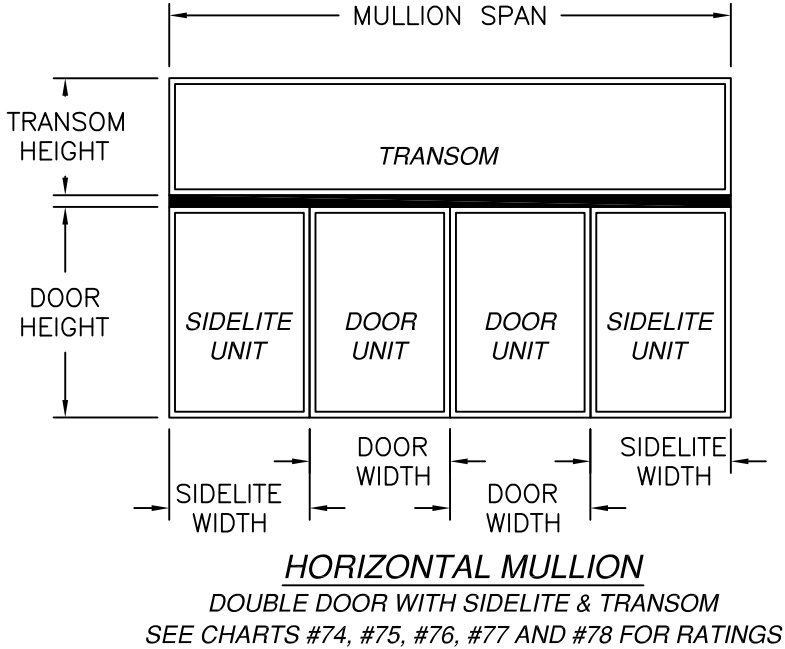
CHART #77										
Ratings for double door with 30 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		108.00	114.00	120.00	126.00	132.00	138.00	144.00	150.00	156.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	34.1	29.0	24.9	21.5	18.7	16.3	-	-	-
84.00	24.00	32.8	27.9	23.9	20.7	18.0	15.7	-	-	-
88.00	24.00	31.7	26.9	23.1	19.9	17.3	15.2	-	-	-
92.00	24.00	30.6	26.0	22.3	19.3	16.7	-	-	-	-
96.00	24.00	29.6	25.1	21.5	18.6	16.2	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

CHART #78										
Ratings for double door with 36 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		120.00	126.00	132.00	138.00	144.00	150.00	156.00	162.00	168.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	24.9	21.5	18.7	16.3	-	-	-	-	-
84.00	24.00	23.9	20.7	18.0	15.7	-	-	-	-	-
88.00	24.00	23.1	19.9	17.3	15.2	-	-	-	-	-
92.00	24.00	22.3	19.3	16.7	-	-	-	-	-	-
96.00	24.00	21.5	18.6	16.2	-	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
DOUBLE DOOR WITH SIDELITES AND 24" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

SHEET
17 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

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

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

CHART #79										
Ratings for double door with 12 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	82.0	69.9	60.3	52.5	45.9	38.3	32.2	27.4	23.5
84.00	30.00	79.1	67.4	58.1	50.7	44.3	36.9	31.1	26.5	22.7
88.00	30.00	76.5	65.2	56.2	48.9	42.8	35.7	30.1	25.6	21.9
92.00	30.00	74.0	63.0	54.3	47.3	41.4	34.5	29.1	24.7	21.2
96.00	30.00	71.6	61.0	52.6	45.8	40.1	33.4	28.1	23.9	20.5

IMPACT RATED UP TO WIND ZONE 3

CHART #80										
Ratings for double door with 18 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	60.3	52.5	45.9	38.3	32.2	27.4	23.5	20.3	17.7
84.00	30.00	58.1	50.7	44.3	36.9	31.1	26.5	22.7	19.6	17.0
88.00	30.00	56.2	48.9	42.8	35.7	30.1	25.6	21.9	18.9	16.5
92.00	30.00	54.3	47.3	41.4	34.5	29.1	24.7	21.2	18.3	15.9
96.00	30.00	52.6	45.8	40.1	33.4	28.1	23.9	20.5	17.7	15.4

IMPACT RATED UP TO WIND ZONE 3

CHART #81										
Ratings for double door with 24 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		96.00	102.00	108.00	114.00	120.00	126.00	132.00	138.00	144.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	45.9	38.3	32.2	27.4	23.5	20.3	17.7	15.5	-
84.00	30.00	44.3	36.9	31.1	26.5	22.7	19.6	17.0	-	-
88.00	30.00	42.8	35.7	30.1	25.6	21.9	18.9	16.5	-	-
92.00	30.00	41.4	34.5	29.1	24.7	21.2	18.3	15.9	-	-
96.00	30.00	40.1	33.4	28.1	23.9	20.5	17.7	15.4	-	-

IMPACT RATED UP TO WIND ZONE 3

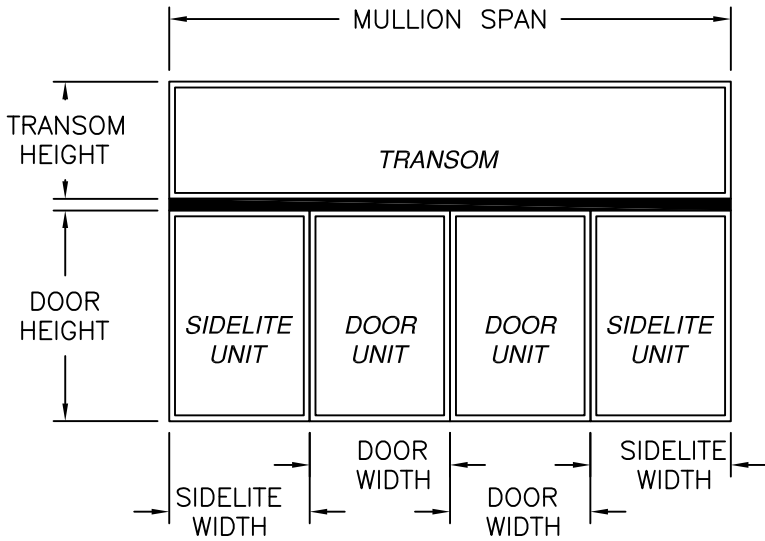
CHART #82										
Ratings for double door with 30 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		108.00	114.00	120.00	126.00	132.00	138.00	144.00	150.00	156.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	32.2	27.4	23.5	20.3	17.7	15.5	-	-	-
84.00	30.00	31.1	26.5	22.7	19.6	17.0	-	-	-	-
88.00	30.00	30.1	25.6	21.9	18.9	16.5	-	-	-	-
92.00	30.00	29.1	24.7	21.2	18.3	15.9	-	-	-	-
96.00	30.00	28.1	23.9	20.5	17.7	15.4	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

CHART #83										
Ratings for double door with 36 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		120.00	126.00	132.00	138.00	144.00	150.00	156.00	162.00	168.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	23.5	20.3	17.7	15.5	-	-	-	-	-
84.00	30.00	22.7	19.6	17.0	-	-	-	-	-	-
88.00	30.00	21.9	18.9	16.5	-	-	-	-	-	-
92.00	30.00	21.2	18.3	15.9	-	-	-	-	-	-
96.00	30.00	20.5	17.7	15.4	-	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



HORIZONTAL MULLION
DOUBLE DOOR WITH SIDELITES AND TRANSOM
SEE CHARTS #79, #80, #81, #82 AND #83 FOR RATINGS

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
DOUBLE DOOR WITH SIDELITES AND 30" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

SHEET
18 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

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

CHART #84										
Ratings for double door with 12 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	77.8	66.3	57.1	49.8	43.5	36.3	30.6	26.0	22.3
84.00	36.00	75.2	64.1	55.2	48.1	42.1	35.1	29.6	25.1	21.5
88.00	36.00	72.8	62.0	53.5	46.6	40.7	34.0	28.6	24.3	20.9
92.00	36.00	70.5	60.1	51.8	45.1	39.5	32.9	27.7	23.6	20.2
96.00	36.00	68.4	58.2	50.2	43.7	38.3	31.9	26.9	22.8	19.6

IMPACT RATED UP TO WIND ZONE 3

CHART #85										
Ratings for double door with 18 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	57.1	49.8	43.5	36.3	30.6	26.0	22.3	19.3	16.7
84.00	36.00	55.2	48.1	42.1	35.1	29.6	25.1	21.5	18.6	16.2
88.00	36.00	53.5	46.6	40.7	34.0	28.6	24.3	20.9	18.0	15.7
92.00	36.00	51.8	45.1	39.5	32.9	27.7	23.6	20.2	17.4	15.2
96.00	36.00	50.2	43.7	38.3	31.9	26.9	22.8	19.6	16.9	-

IMPACT RATED UP TO WIND ZONE 3

CHART #86										
Ratings for double door with 24 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		96.00	102.00	108.00	114.00	120.00	126.00	132.00	138.00	144.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	43.5	36.3	30.6	26.0	22.3	19.3	16.7	-	-
84.00	36.00	42.1	35.1	29.6	25.1	21.5	18.6	16.2	-	-
88.00	36.00	40.7	34.0	28.6	24.3	20.9	18.0	15.7	-	-
92.00	36.00	39.5	32.9	27.7	23.6	20.2	17.4	15.2	-	-
96.00	36.00	38.3	31.9	26.9	22.8	19.6	16.9	-	-	-

IMPACT RATED UP TO WIND ZONE 3

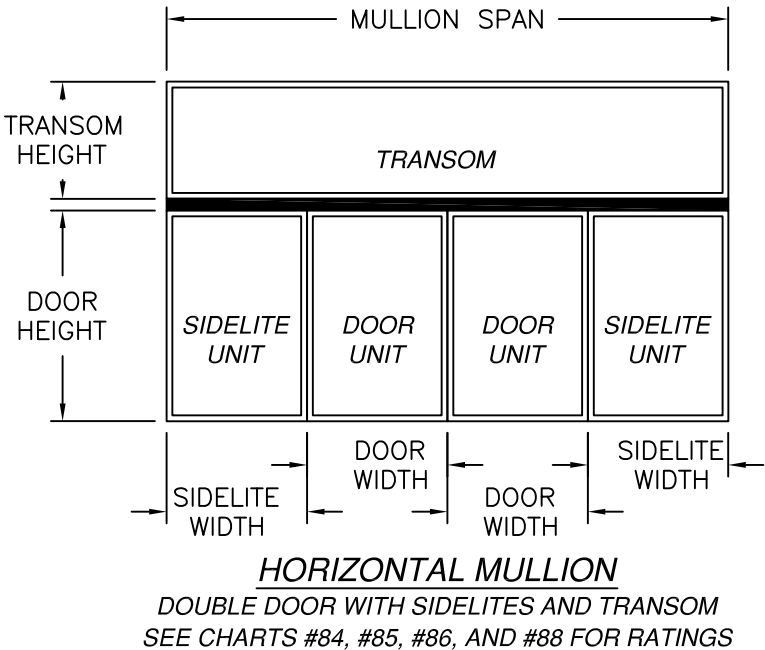
CHART #87										
Ratings for double door with 30 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		108.00	114.00	120.00	126.00	132.00	138.00	144.00	150.00	156.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	30.6	26.0	22.3	19.3	16.7	-	-	-	-
84.00	36.00	29.6	25.1	21.5	18.6	16.2	-	-	-	-
88.00	36.00	28.6	24.3	20.9	18.0	15.7	-	-	-	-
92.00	36.00	27.7	23.6	20.2	17.4	15.2	-	-	-	-
96.00	36.00	26.9	22.8	19.6	16.9	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

CHART #88										
Ratings for double door with 36 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		120.00	126.00	132.00	138.00	144.00	150.00	156.00	162.00	168.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	22.3	19.3	16.7	-	-	-	-	-	-
84.00	36.00	21.5	18.6	16.2	-	-	-	-	-	-
88.00	36.00	20.9	18.0	15.7	-	-	-	-	-	-
92.00	36.00	20.2	17.4	15.2	-	-	-	-	-	-
96.00	36.00	19.6	16.9	-	-	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



NAN YA PLASTICS CORPORATION U.S.A.

41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
DOUBLE DOOR WITH SIDELITES AND 36" TRANSOM

DRAWN:
V.L.

DWG NO.
08-02903

REV
A

SCALE
NTS

DATE
06/06/16

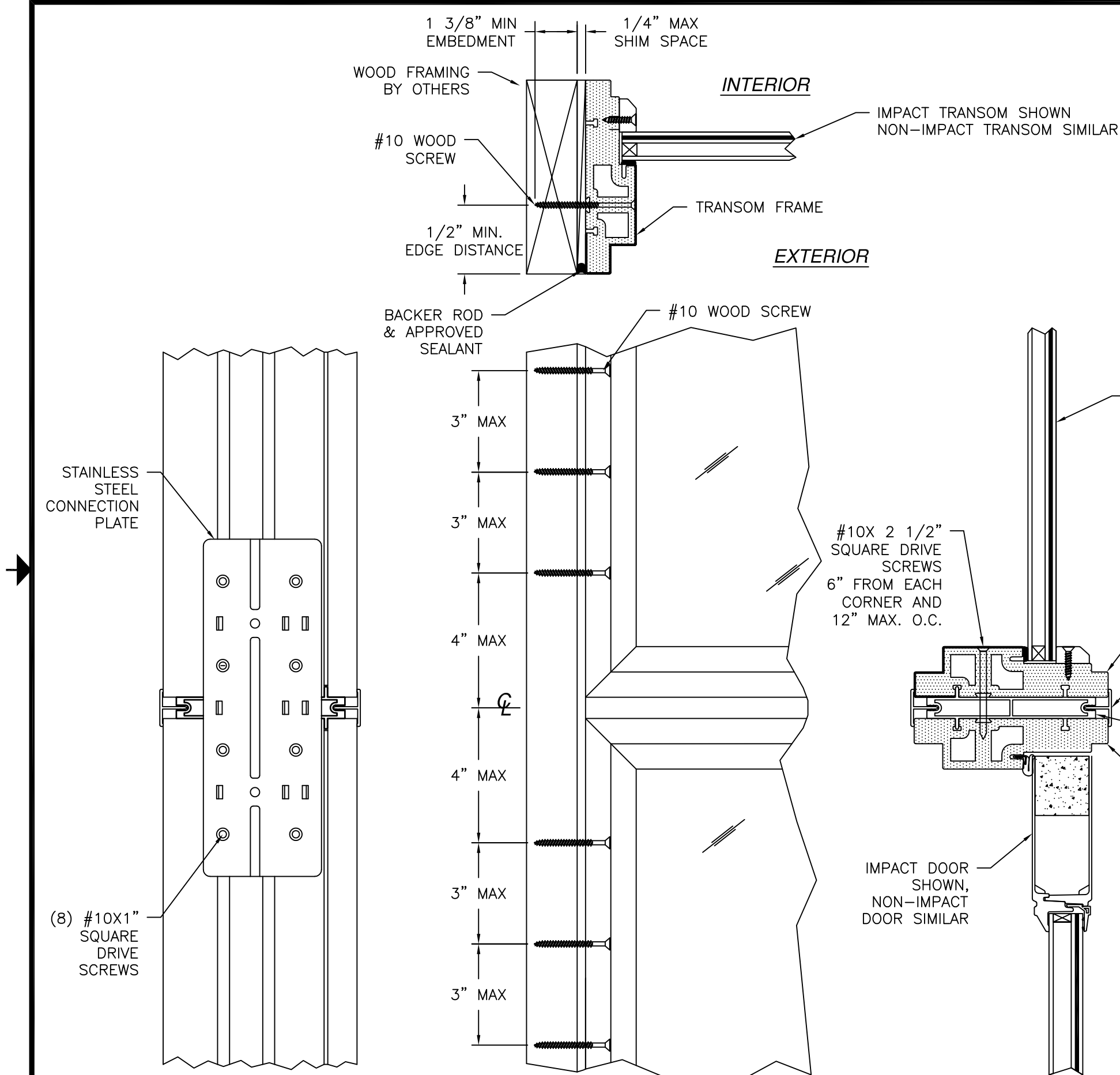
SHEET
19 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



- 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
 3. IN-SWING UNITS ARE SHOWN, OUT-SWING UNITS ARE ALSO QUALIFIED.

MULLION INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK SUBSTRATE

NAN YA PLASTICS CORPORATION U.S.A.

41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
INSTALLATION DETAILS WITH ROYAL FRAME

DRAWN: V.L.

DWG NO. 08-02903

REV A

SCALE NTS

DATE 06/06/16

SHEET 20 OF 23

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

LUIS R. LOMAS

LICENSE

No. 62514

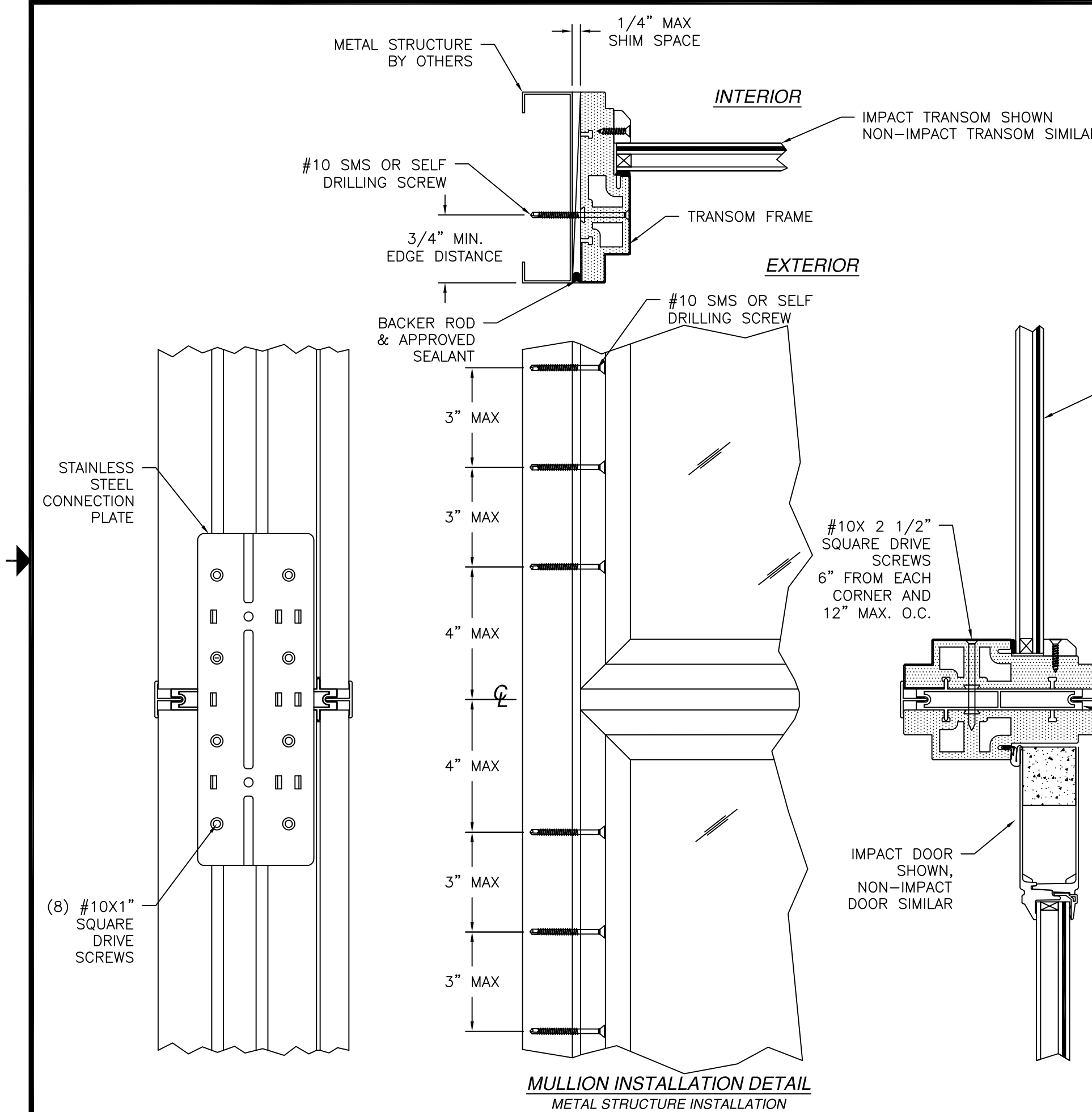
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
 - IN-SWING UNITS ARE SHOWN, OUT-SWING UNITS ARE ALSO QUALIFIED.

MULLION INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NAN YA PLASTICS CORPORATION U.S.A.

41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
INSTALLATION DETAILS WITH ROYAL FRAME

DRAWN: V.L.

DWG NO. 08-02903

REV A

SCALE NTS

DATE 06/06/16

SHEET 21 OF 23

L. ROBERTO LOMAS P.E.

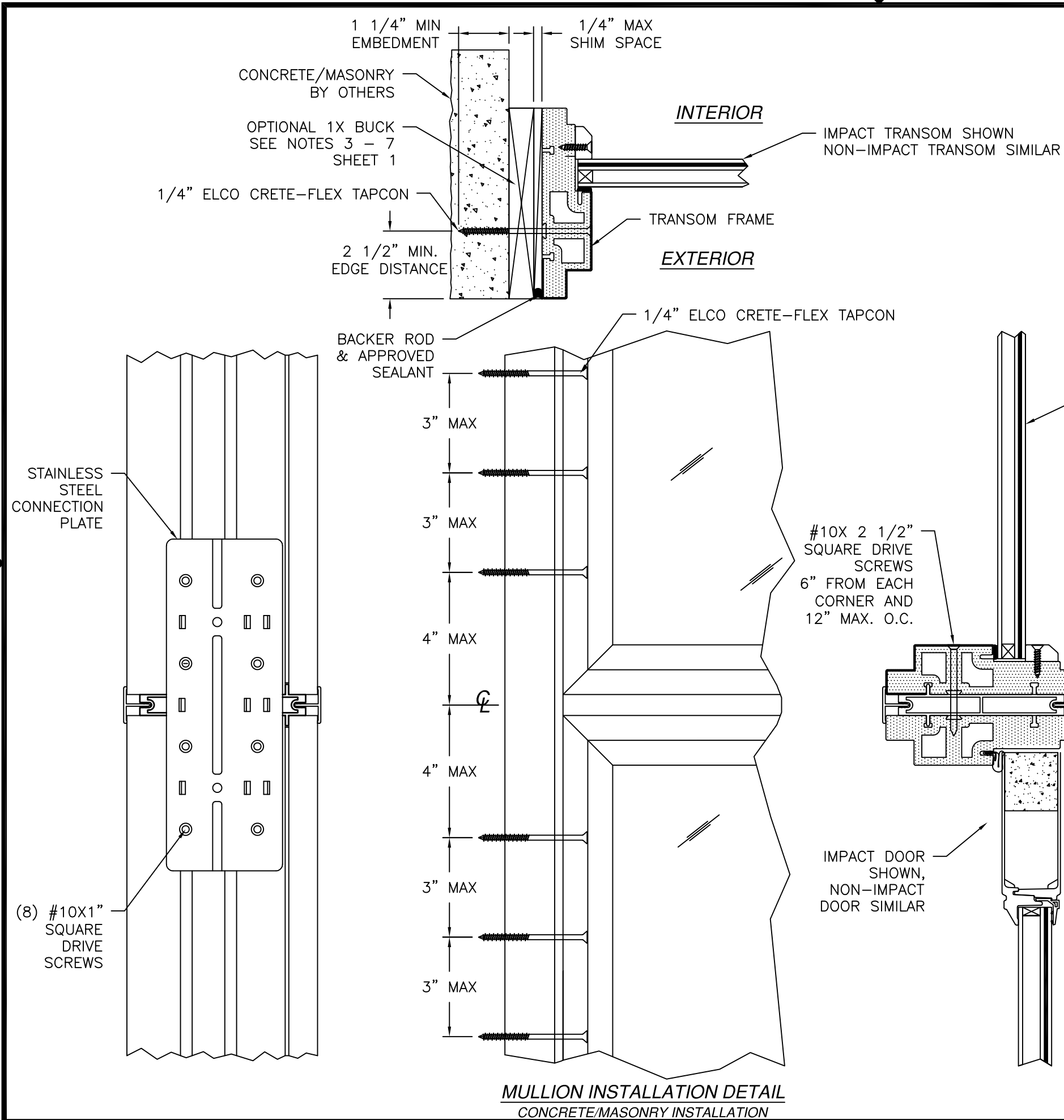
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/10/2026

Luis R. Lomas P.E.

FL No.: 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.

- 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
 3. IN-SWING UNITS ARE SHOWN, OUT-SWING UNITS ARE ALSO QUALIFIED.

NAN YA PLASTICS CORPORATION U.S.A.
41016 SHADRACK ST
HOUSTON, TX 77013

MULLION HORIZONTAL ROYAL SERIES
SINGLE AND DOUBLE DOORS WITH TRANSOM
INSTALLATION DETAILS WITH ROYAL FRAME

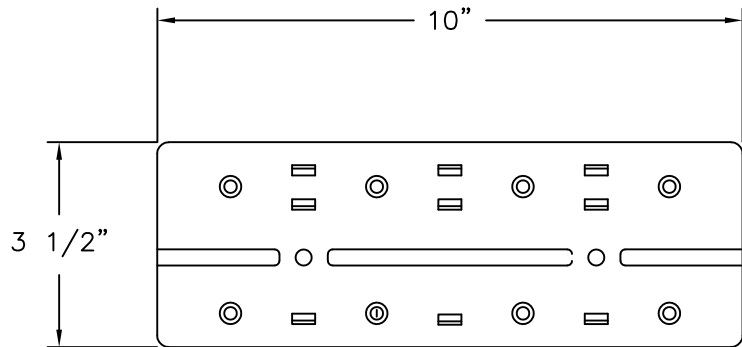
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 22 OF 23

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

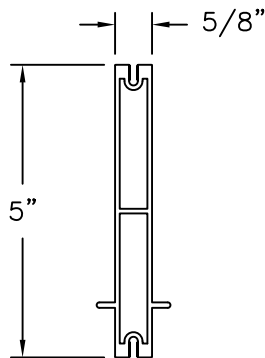
SIGNED: 08/10/2026

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

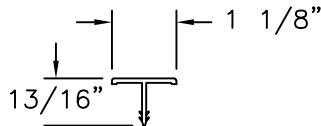
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/26	R.L.



CONNECTION PLATE
STAINLESS STEEL .060" THICK



MULLION
ALUMINUM 6063-T5 .079" THICK



MULLION COVER
PVC .079" THICK

SIGNED: 08/10/2026

NAN YA PLASTICS CORPORATION U.S.A. 41016 SHADRACK ST HOUSTON, TX 77013		
MULLION HORIZONTAL ROYAL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM COMPONENTS		
DRAWN: V.L.	DWG NO. 08-02903	REV A
SCALE NTS	DATE 06/06/16	SHEET 23 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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