

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE AND THE 2006 IBC, 2006 IRC, 2009 IBC, 2009 IRC, 2010 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.

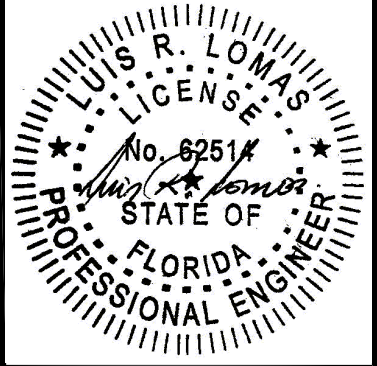
ANCHORING NOTES:

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: 07/09/2026

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 19	MULLION CHARTS
20 – 22	INSTALLATION DETAILS & COMPONENTS

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM NOTES		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 1 OF 22



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	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

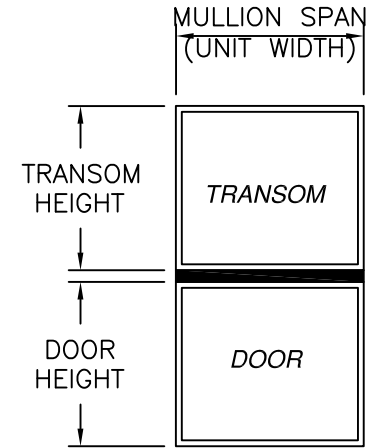
IMPACT RATED UP TO WIND ZONE 3

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: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM SINGLE DOOR WITH TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 2 OF 22

Professional Engineer Seal for Luis R. Lomas, No. 62514, State of Florida.

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	77.7	57.0	43.6	33.1
82.00	18.00	100.0	100.0	100.0	76.1	55.9	42.7	32.5
84.00	18.00	100.0	100.0	100.0	74.6	54.8	41.9	31.9
86.00	18.00	100.0	100.0	100.0	73.2	53.7	41.1	31.4
88.00	18.00	100.0	100.0	100.0	71.8	52.7	40.3	30.9
90.00	18.00	100.0	100.0	100.0	70.5	51.7	39.6	30.4
92.00	18.00	100.0	100.0	99.8	69.2	50.8	38.9	29.9
94.00	18.00	100.0	100.0	98.0	67.9	49.9	38.2	29.4
95.50	18.00	100.0	100.0	96.7	67.0	49.2	37.7	29.1

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	73.5	53.9	41.2	31.1
82.00	24.00	100.0	100.0	100.0	72.1	52.9	40.4	30.6
84.00	24.00	100.0	100.0	100.0	70.8	51.9	39.7	30.1
86.00	24.00	100.0	100.0	100.0	69.5	51.0	39.0	29.6
88.00	24.00	100.0	100.0	98.6	68.3	50.0	38.3	29.2
90.00	24.00	100.0	100.0	96.9	67.0	49.2	37.6	28.7
92.00	24.00	100.0	100.0	95.2	65.9	48.3	36.9	28.3
94.00	24.00	100.0	100.0	93.6	64.8	47.5	36.3	27.8
95.50	24.00	100.0	100.0	92.4	63.9	46.9	35.8	27.5

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

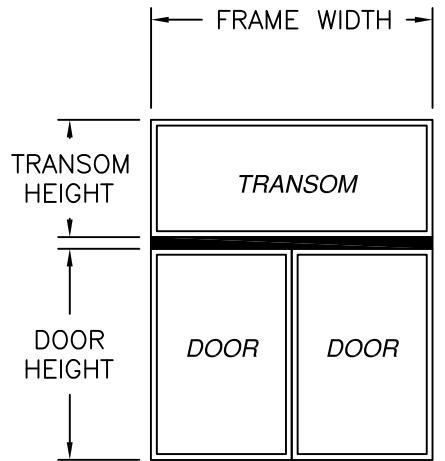
Height (in)		Frame and Panel Width (in.)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Door	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
80.00	30.00	100.0	100.0	100.0	70.0	51.2	39.1	29.4
82.00	30.00	100.0	100.0	99.7	68.8	50.3	38.4	28.9
84.00	30.00	100.0	100.0	97.9	67.6	49.4	37.7	28.5
86.00	30.00	100.0	100.0	96.2	66.4	48.6	37.1	28.1
88.00	30.00	100.0	100.0	94.5	65.2	47.7	36.5	27.6
90.00	30.00	100.0	100.0	92.9	64.1	46.9	35.8	27.2
92.00	30.00	100.0	100.0	91.4	63.1	46.2	35.2	26.8
94.00	30.00	100.0	100.0	89.9	62.0	45.4	34.7	26.5
95.50	30.00	100.0	100.0	88.8	61.3	44.9	34.3	26.2

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	97.8	67.1	49.0	37.3	27.9
82.00	36.00	100.0	100.0	96.1	65.9	48.1	36.7	27.5
84.00	36.00	100.0	100.0	94.4	64.8	47.3	36.1	27.1
86.00	36.00	100.0	100.0	92.8	63.7	46.5	35.5	26.7
88.00	36.00	100.0	100.0	91.2	62.7	45.7	34.9	26.3
90.00	36.00	100.0	100.0	89.7	61.7	45.0	34.3	26.0
92.00	36.00	100.0	100.0	88.3	60.7	44.3	33.8	25.6
94.00	36.00	100.0	100.0	86.9	59.7	43.6	33.2	25.3
95.50	36.00	100.0	100.0	85.9	59.0	43.1	32.9	25.0

IMPACT RATED UP TO WIND ZONE 3



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 3 OF 22

Professional Engineer
State of Florida
No. 62514
Luis R. Lomas

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	99.3
96.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.8

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	92.1
84.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.1	88.5
88.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.4	85.1
92.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	99.3	90.0	82.0
96.00	18.00	100.0	100.0	100.0	100.0	100.0	100.0	95.8	86.9	79.2

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	92.1	84.3	77.4
84.00	18.00	100.0	100.0	100.0	100.0	100.0	97.1	88.5	81.0	74.3
88.00	18.00	100.0	100.0	100.0	100.0	100.0	93.4	85.1	77.9	71.5
92.00	18.00	100.0	100.0	100.0	100.0	99.3	90.0	82.0	75.1	68.9
96.00	18.00	100.0	100.0	100.0	100.0	95.8	86.9	79.2	72.4	66.5

IMPACT RATED UP TO WIND ZONE 3

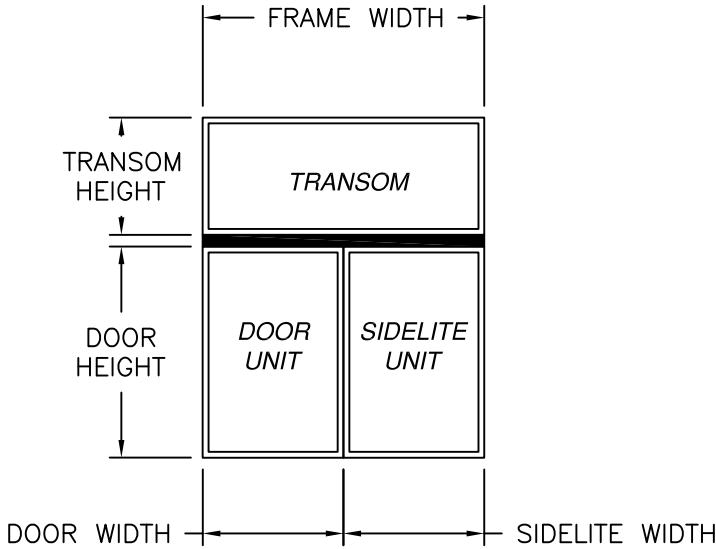
CHART #12										
Ratings for single door with 30 in wide sidelites and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	100.0	100.0	100.0	100.0	92.1	84.3	77.4	71.3	65.9
84.00	18.00	100.0	100.0	100.0	97.1	88.5	81.0	74.3	68.5	63.4
88.00	18.00	100.0	100.0	100.0	93.4	85.1	77.9	71.5	65.9	61.0
92.00	18.00	100.0	100.0	99.3	90.0	82.0	75.1	68.9	63.5	58.7
96.00	18.00	100.0	100.0	95.8	86.9	79.2	72.4	66.5	61.3	56.7

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	92.1	84.3	77.4	71.3	65.9	61.1	56.9
84.00	18.00	100.0	97.1	88.5	81.0	74.3	68.5	63.4	58.7	54.6
88.00	18.00	100.0	93.4	85.1	77.9	71.5	65.9	61.0	56.5	52.6
92.00	18.00	99.3	90.0	82.0	75.1	68.9	63.5	58.7	54.5	50.7
96.00	18.00	95.8	86.9	79.2	72.4	66.5	61.3	56.7	52.6	48.9

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION

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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

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

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE
NTS

DATE
08/03/16

SHEET
4 OF 22

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	97.5
92.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.1
96.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.0

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	95.2	86.8
84.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.7	83.6
88.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	97.5	88.4	80.6
92.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	94.1	85.4	77.8
96.00	24.00	100.0	100.0	100.0	100.0	100.0	100.0	91.0	82.5	75.2

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	95.2	86.8	79.4	72.9
84.00	24.00	100.0	100.0	100.0	100.0	100.0	91.7	83.6	76.5	70.2
88.00	24.00	100.0	100.0	100.0	100.0	97.5	88.4	80.6	73.7	67.7
92.00	24.00	100.0	100.0	100.0	100.0	94.1	85.4	77.8	71.2	65.4
96.00	24.00	100.0	100.0	100.0	100.0	91.0	82.5	75.2	68.8	63.2

IMPACT RATED UP TO WIND ZONE 3

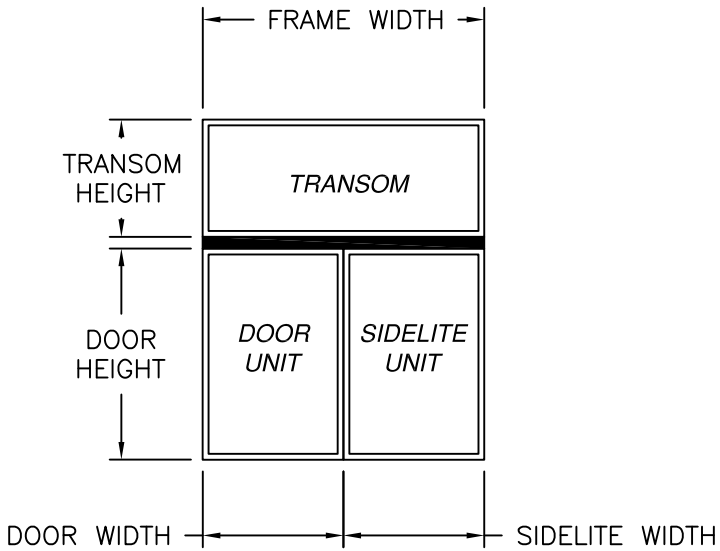
CHART #17										
Ratings for single door with 30 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	100.0	100.0	95.2	86.8	79.4	72.9	67.2	62.1
84.00	24.00	100.0	100.0	100.0	91.7	83.6	76.5	70.2	64.7	59.8
88.00	24.00	100.0	100.0	97.5	88.4	80.6	73.7	67.7	62.4	57.7
92.00	24.00	100.0	100.0	94.1	85.4	77.8	71.2	65.4	60.3	55.7
96.00	24.00	100.0	100.0	91.0	82.5	75.2	68.8	63.2	58.2	53.8

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	95.2	86.8	79.4	72.9	67.2	62.1	57.6	53.6
84.00	24.00	100.0	91.7	83.6	76.5	70.2	64.7	59.8	55.5	51.6
88.00	24.00	97.5	88.4	80.6	73.7	67.7	62.4	57.7	53.5	49.7
92.00	24.00	94.1	85.4	77.8	71.2	65.4	60.3	55.7	51.7	48.0
96.00	24.00	91.0	82.5	75.2	68.8	63.2	58.2	53.8	49.9	46.4

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION

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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM SINGLE DOOR WITH SIDELITE AND 24" TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 5 OF 22

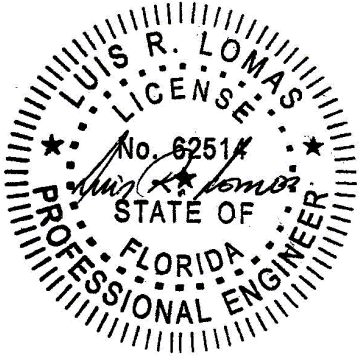


CHART #19										
Ratings for single door with 12 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		36.00	39.00	42.00	45.00	48.00	51.00	54.00	57.00	60.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3
84.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.8
88.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.5
92.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	89.5
96.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	86.7

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	99.3	90.0	82.0
84.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	95.8	86.9	79.2
88.00	30.00	100.0	100.0	100.0	100.0	100.0	100.0	92.5	83.9	76.5
92.00	30.00	100.0	100.0	100.0	100.0	100.0	99.2	89.5	81.2	74.0
96.00	30.00	100.0	100.0	100.0	100.0	100.0	96.0	86.7	78.6	71.6

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	99.3	90.0	82.0	75.1	68.9
84.00	30.00	100.0	100.0	100.0	100.0	95.8	86.9	79.2	72.4	66.5
88.00	30.00	100.0	100.0	100.0	100.0	92.5	83.9	76.5	70.0	64.3
92.00	30.00	100.0	100.0	100.0	99.2	89.5	81.2	74.0	67.7	62.2
96.00	30.00	100.0	100.0	100.0	96.0	86.7	78.6	71.6	65.5	60.2

IMPACT RATED UP TO WIND ZONE 3

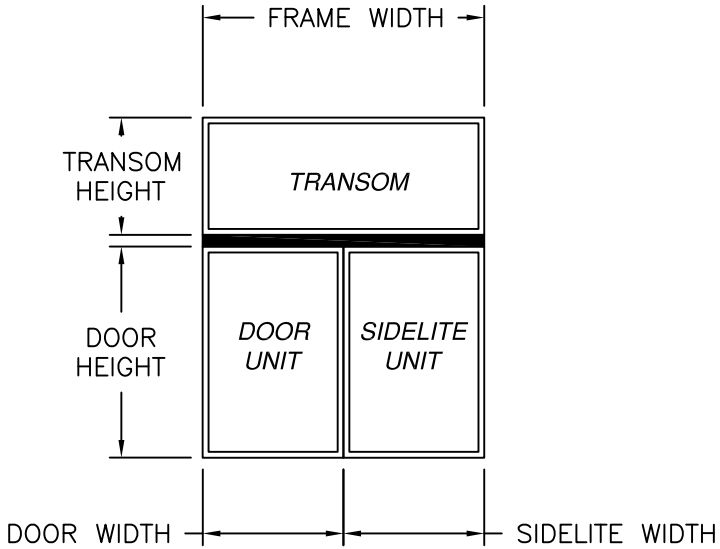
CHART #22										
Ratings for single door with 30 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	100.0	100.0	99.3	90.0	82.0	75.1	68.9	63.5	58.7
84.00	30.00	100.0	100.0	95.8	86.9	79.2	72.4	66.5	61.3	56.7
88.00	30.00	100.0	100.0	92.5	83.9	76.5	70.0	64.3	59.2	54.8
92.00	30.00	100.0	99.2	89.5	81.2	74.0	67.7	62.2	57.3	53.0
96.00	30.00	100.0	96.0	86.7	78.6	71.6	65.5	60.2	55.5	51.3

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	99.3	90.0	82.0	75.1	68.9	63.5	58.7	54.5	50.7
84.00	30.00	95.8	86.9	79.2	72.4	66.5	61.3	56.7	52.6	48.9
88.00	30.00	92.5	83.9	76.5	70.0	64.3	59.2	54.8	50.8	47.2
92.00	30.00	89.5	81.2	74.0	67.7	62.2	57.3	53.0	49.1	45.7
96.00	30.00	86.7	78.6	71.6	65.5	60.2	55.5	51.3	47.6	44.2

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

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

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE
NTS

DATE
08/03/16

SHEET
6 OF 22

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	94.1
84.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.0
88.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.6	88.1
92.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.5	85.3
96.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.7	82.7

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	94.1	85.4	77.8
84.00	36.00	100.0	100.0	100.0	100.0	100.0	100.0	91.0	82.5	75.2
88.00	36.00	100.0	100.0	100.0	100.0	100.0	97.6	88.1	79.9	72.8
92.00	36.00	100.0	100.0	100.0	100.0	100.0	94.5	85.3	77.4	70.5
96.00	36.00	100.0	100.0	100.0	100.0	100.0	91.7	82.7	75.0	68.4

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	94.1	85.4	77.8	71.2	65.4
84.00	36.00	100.0	100.0	100.0	100.0	91.0	82.5	75.2	68.8	63.2
88.00	36.00	100.0	100.0	100.0	97.6	88.1	79.9	72.8	66.6	61.2
92.00	36.00	100.0	100.0	100.0	94.5	85.3	77.4	70.5	64.5	59.2
96.00	36.00	100.0	100.0	100.0	91.7	82.7	75.0	68.4	62.6	57.5

IMPACT RATED UP TO WIND ZONE 3

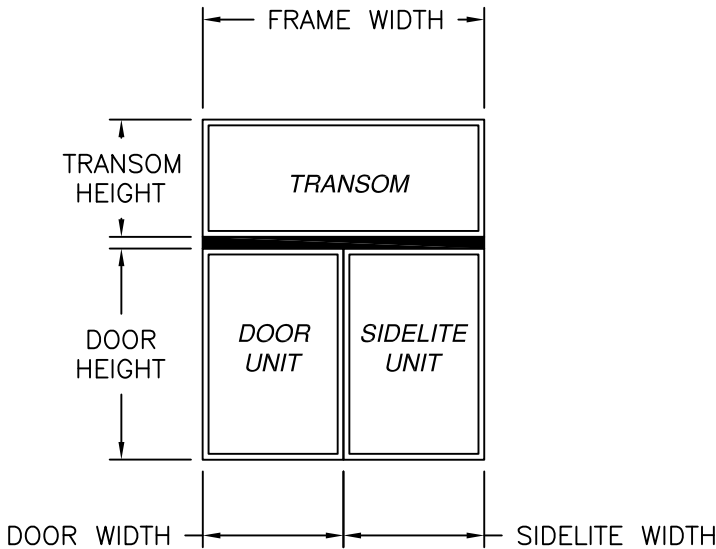
CHART #27										
Ratings for single door with 30 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		54.00	57.00	60.00	63.00	66.00	69.00	72.00	75.00	78.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	94.1	85.4	77.8	71.2	65.4	60.3	55.7
84.00	36.00	100.0	100.0	91.0	82.5	75.2	68.8	63.2	58.2	53.8
88.00	36.00	100.0	97.6	88.1	79.9	72.8	66.6	61.2	56.4	52.1
92.00	36.00	100.0	94.5	85.3	77.4	70.5	64.5	59.2	54.6	50.5
96.00	36.00	100.0	91.7	82.7	75.0	68.4	62.6	57.5	52.9	49.0

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	94.1	85.4	77.8	71.2	65.4	60.3	55.7	51.7	48.0
84.00	36.00	91.0	82.5	75.2	68.8	63.2	58.2	53.8	49.9	46.4
88.00	36.00	88.1	79.9	72.8	66.6	61.2	56.4	52.1	48.3	44.9
92.00	36.00	85.3	77.4	70.5	64.5	59.2	54.6	50.5	46.8	43.5
96.00	36.00	82.7	75.0	68.4	62.6	57.5	52.9	49.0	45.4	42.2

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA

4016 SHADRACK ST.
HOUSTON, TX 77013

MULLION HORIZONTAL EXCEL SERIES

SINGLE AND DOUBLE DOORS WITH TRANSOM

SINGLE DOOR WITH SIDELITE AND 36" TRANSOM

DRAWN: N.G.

DWG NO. 08-02941

REV A

SCALE NTS

DATE 08/03/16

SHEET 7 OF 22

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	92.1	84.3	77.4
84.00	18.00	100.0	100.0	100.0	100.0	100.0	97.1	88.5	81.0	74.3
88.00	18.00	100.0	100.0	100.0	100.0	100.0	93.4	85.1	77.9	71.5
92.00	18.00	100.0	100.0	100.0	100.0	99.3	90.0	82.0	75.1	68.9
96.00	18.00	100.0	100.0	100.0	100.0	95.8	86.9	79.2	72.4	66.5

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	92.1	84.3	77.4	71.3	65.9	61.1	56.9
84.00	18.00	100.0	97.1	88.5	81.0	74.3	68.5	63.4	58.7	54.6
88.00	18.00	100.0	93.4	85.1	77.9	71.5	65.9	61.0	56.5	52.6
92.00	18.00	99.3	90.0	82.0	75.1	68.9	63.5	58.7	54.5	50.7
96.00	18.00	95.8	86.9	79.2	72.4	66.5	61.3	56.7	52.6	48.9

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	77.4	71.3	65.9	61.1	56.9	53.0	49.5	46.4	43.2
84.00	18.00	74.3	68.5	63.4	58.7	54.6	50.9	47.6	44.6	41.5
88.00	18.00	71.5	65.9	61.0	56.5	52.6	49.0	45.8	42.9	40.0
92.00	18.00	68.9	63.5	58.7	54.5	50.7	47.2	44.1	41.3	38.5
96.00	18.00	66.5	61.3	56.7	52.6	48.9	45.6	42.6	39.9	37.1

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	56.9	53.0	49.5	46.4	43.2	39.4	36.0	33.0	30.4
84.00	18.00	54.6	50.9	47.6	44.6	41.5	37.9	34.6	31.7	29.2
88.00	18.00	52.6	49.0	45.8	42.9	40.0	36.4	33.3	30.5	28.1
92.00	18.00	50.7	47.2	44.1	41.3	38.5	35.1	32.1	29.4	27.0
96.00	18.00	48.9	45.6	42.6	39.9	37.1	33.9	31.0	28.4	26.1

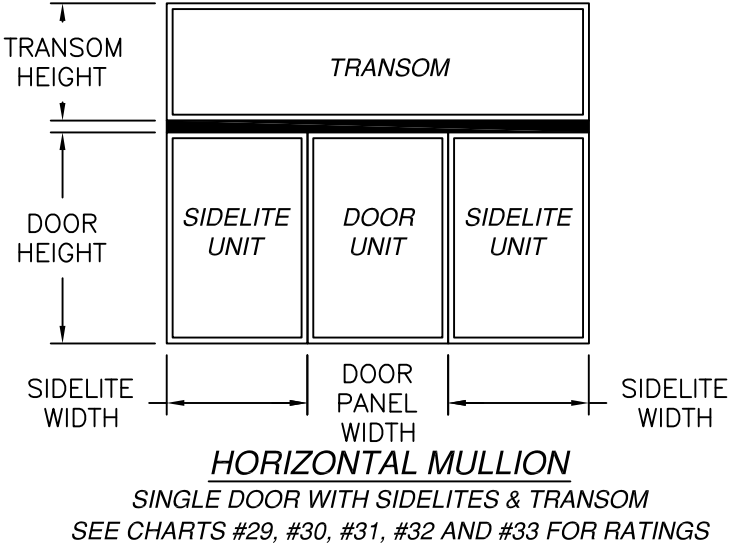
IMPACT RATED UP TO WIND ZONE 3

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	43.2	39.4	36.0	33.0	30.4	28.0	25.8	23.9	22.1
84.00	18.00	41.5	37.9	34.6	31.7	29.2	26.9	24.8	22.9	21.3
88.00	18.00	40.0	36.4	33.3	30.5	28.1	25.8	23.9	22.1	20.5
92.00	18.00	38.5	35.1	32.1	29.4	27.0	24.9	23.0	21.3	19.7
96.00	18.00	37.1	33.9	31.0	28.4	26.1	24.0	22.2	20.5	19.0

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA

4016 SHADRACK ST.
HOUSTON, TX 77013

MULLION HORIZONTAL EXCEL SERIES

SINGLE AND DOUBLE DOORS WITH TRANSOM

SINGLE DOOR WITH SIDELITES AND 18" TRANSOM

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE
NTS

DATE
08/03/16

SHEET
8 OF 22

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	95.2	86.8	79.4	72.9
84.00	24.00	100.0	100.0	100.0	100.0	100.0	91.7	83.6	76.5	70.2
88.00	24.00	100.0	100.0	100.0	100.0	97.5	88.4	80.6	73.7	67.7
92.00	24.00	100.0	100.0	100.0	100.0	94.1	85.4	77.8	71.2	65.4
96.00	24.00	100.0	100.0	100.0	100.0	91.0	82.5	75.2	68.8	63.2

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	95.2	86.8	79.4	72.9	67.2	62.1	57.6	53.6
84.00	24.00	100.0	91.7	83.6	76.5	70.2	64.7	59.8	55.5	51.6
88.00	24.00	97.5	88.4	80.6	73.7	67.7	62.4	57.7	53.5	49.7
92.00	24.00	94.1	85.4	77.8	71.2	65.4	60.3	55.7	51.7	48.0
96.00	24.00	91.0	82.5	75.2	68.8	63.2	58.2	53.8	49.9	46.4

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	72.9	67.2	62.1	57.6	53.6	49.9	46.7	43.7	40.7
84.00	24.00	70.2	64.7	59.8	55.5	51.6	48.1	44.9	42.1	39.2
88.00	24.00	67.7	62.4	57.7	53.5	49.7	46.4	43.3	40.6	37.8
92.00	24.00	65.4	60.3	55.7	51.7	48.0	44.8	41.8	39.2	36.5
96.00	24.00	63.2	58.2	53.8	49.9	46.4	43.3	40.4	37.9	35.3

IMPACT RATED UP TO WIND ZONE 3

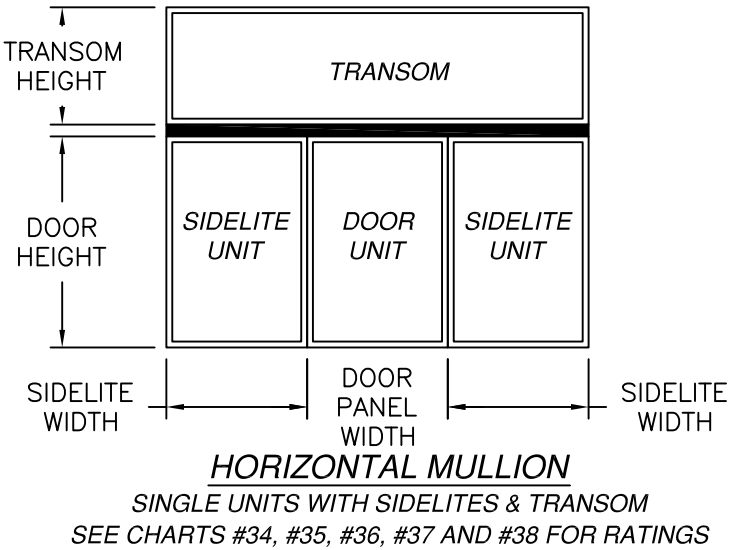
CHART #37										
Ratings for single door with 30 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	87.00	90.00	93.00	96.00	99.00	102.00	105.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	53.6	49.9	46.7	43.7	40.7	37.1	33.9	31.1	28.6
84.00	24.00	51.6	48.1	44.9	42.1	39.2	35.8	32.7	30.0	27.5
88.00	24.00	49.7	46.4	43.3	40.6	37.8	34.5	31.5	28.9	26.6
92.00	24.00	48.0	44.8	41.8	39.2	36.5	33.3	30.4	27.9	25.6
96.00	24.00	46.4	43.3	40.4	37.9	35.3	32.2	29.4	27.0	24.8

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	40.7	37.1	33.9	31.1	28.6	26.3	24.3	22.5	20.8
84.00	24.00	39.2	35.8	32.7	30.0	27.5	25.4	23.4	21.7	20.1
88.00	24.00	37.8	34.5	31.5	28.9	26.6	24.5	22.6	20.9	19.4
92.00	24.00	36.5	33.3	30.4	27.9	25.6	23.6	21.8	20.2	18.7
96.00	24.00	35.3	32.2	29.4	27.0	24.8	22.8	21.1	19.5	18.1

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA

4016 SHADRACK ST.
HOUSTON, TX 77013

MULLION HORIZONTAL EXCEL SERIES

SINGLE AND DOUBLE DOORS WITH TRANSOM

SINGLE DOOR WITH SIDELITES AND 24" TRANSOM

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE NTS

DATE 08/03/16

SHEET 9 OF 22

PROFESSIONAL ENGINEER

STATE OF FLORIDA

No. 62514

LUIS R. LOMAS

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	99.3	90.0	82.0	75.1	68.9
84.00	30.00	100.0	100.0	100.0	100.0	95.8	86.9	79.2	72.4	66.5
88.00	30.00	100.0	100.0	100.0	100.0	92.5	83.9	76.5	70.0	64.3
92.00	30.00	100.0	100.0	100.0	99.2	89.5	81.2	74.0	67.7	62.2
96.00	30.00	100.0	100.0	100.0	96.0	86.7	78.6	71.6	65.5	60.2

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	99.3	90.0	82.0	75.1	68.9	63.5	58.7	54.5	50.7
84.00	30.00	95.8	86.9	79.2	72.4	66.5	61.3	56.7	52.6	48.9
88.00	30.00	92.5	83.9	76.5	70.0	64.3	59.2	54.8	50.8	47.2
92.00	30.00	89.5	81.2	74.0	67.7	62.2	57.3	53.0	49.1	45.7
96.00	30.00	86.7	78.6	71.6	65.5	60.2	55.5	51.3	47.6	44.2

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	68.9	63.5	58.7	54.5	50.7	47.2	44.1	41.3	38.5
84.00	30.00	66.5	61.3	56.7	52.6	48.9	45.6	42.6	39.9	37.1
88.00	30.00	64.3	59.2	54.8	50.8	47.2	44.0	41.1	38.5	35.9
92.00	30.00	62.2	57.3	53.0	49.1	45.7	42.6	39.8	37.3	34.7
96.00	30.00	60.2	55.5	51.3	47.6	44.2	41.2	38.5	36.1	33.6

IMPACT RATED UP TO WIND ZONE 3

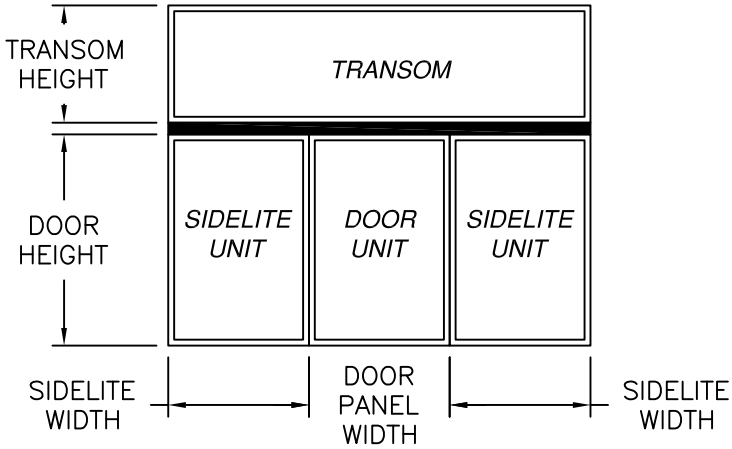
CHART #42										
Ratings for single door with 30 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	87.00	90.00	93.00	96.00	99.00	102.00	105.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	50.7	47.2	44.1	41.3	38.5	35.1	32.1	29.4	27.0
84.00	30.00	48.9	45.6	42.6	39.9	37.1	33.9	31.0	28.4	26.1
88.00	30.00	47.2	44.0	41.1	38.5	35.9	32.7	29.9	27.4	25.2
92.00	30.00	45.7	42.6	39.8	37.3	34.7	31.7	28.9	26.5	24.4
96.00	30.00	44.2	41.2	38.5	36.1	33.6	30.6	28.0	25.7	23.6

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	38.5	35.1	32.1	29.4	27.0	24.9	23.0	21.3	19.7
84.00	30.00	37.1	33.9	31.0	28.4	26.1	24.0	22.2	20.5	19.0
88.00	30.00	35.9	32.7	29.9	27.4	25.2	23.2	21.4	19.8	18.4
92.00	30.00	34.7	31.7	28.9	26.5	24.4	22.5	20.7	19.2	17.8
96.00	30.00	33.6	30.6	28.0	25.7	23.6	21.7	20.1	18.6	17.2

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION

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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM SINGLE DOOR WITH SIDELITES AND 30" TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 10 OF 22

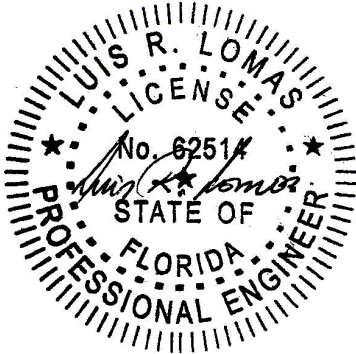


CHART #44										
Ratings for single door with 12 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		48.00	51.00	54.00	57.00	60.00	63.00	66.00	69.00	72.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	100.0	100.0	100.0	100.0	94.1	85.4	77.8	71.2	65.4
84.00	36.00	100.0	100.0	100.0	100.0	91.0	82.5	75.2	68.8	63.2
88.00	36.00	100.0	100.0	100.0	97.6	88.1	79.9	72.8	66.6	61.2
92.00	36.00	100.0	100.0	100.0	94.5	85.3	77.4	70.5	64.5	59.2
96.00	36.00	100.0	100.0	100.0	91.7	82.7	75.0	68.4	62.6	57.5

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	94.1	85.4	77.8	71.2	65.4	60.3	55.7	51.7	48.0
84.00	36.00	91.0	82.5	75.2	68.8	63.2	58.2	53.8	49.9	46.4
88.00	36.00	88.1	79.9	72.8	66.6	61.2	56.4	52.1	48.3	44.9
92.00	36.00	85.3	77.4	70.5	64.5	59.2	54.6	50.5	46.8	43.5
96.00	36.00	82.7	75.0	68.4	62.6	57.5	52.9	49.0	45.4	42.2

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	65.4	60.3	55.7	51.7	48.0	44.8	41.8	39.2	36.5
84.00	36.00	63.2	58.2	53.8	49.9	46.4	43.3	40.4	37.9	35.3
88.00	36.00	61.2	56.4	52.1	48.3	44.9	41.9	39.1	36.7	34.2
92.00	36.00	59.2	54.6	50.5	46.8	43.5	40.6	37.9	35.5	33.1
96.00	36.00	57.5	52.9	49.0	45.4	42.2	39.3	36.8	34.4	32.1

IMPACT RATED UP TO WIND ZONE 3

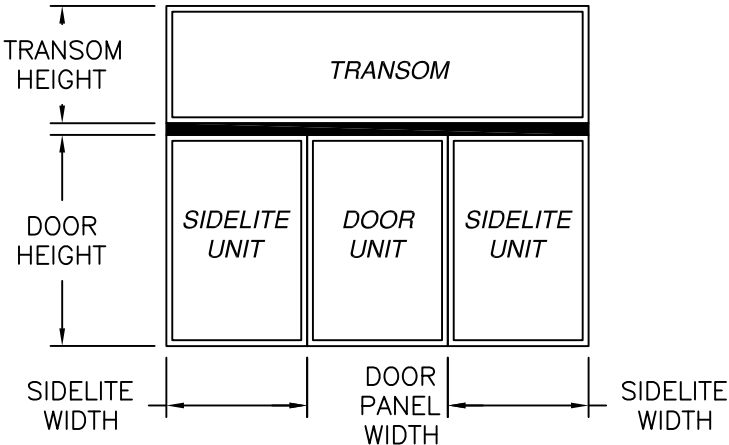
CHART #47										
Ratings for single door with 30 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		84.00	87.00	90.00	93.00	96.00	99.00	102.00	105.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	48.0	44.8	41.8	39.2	36.5	33.3	30.4	27.9	25.6
84.00	36.00	46.4	43.3	40.4	37.9	35.3	32.2	29.4	27.0	24.8
88.00	36.00	44.9	41.9	39.1	36.7	34.2	31.1	28.5	26.1	24.0
92.00	36.00	43.5	40.6	37.9	35.5	33.1	30.2	27.6	25.3	23.2
96.00	36.00	42.2	39.3	36.8	34.4	32.1	29.3	26.7	24.5	22.5

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	36.5	33.3	30.4	27.9	25.6	23.6	21.8	20.2	18.7
84.00	36.00	35.3	32.2	29.4	27.0	24.8	22.8	21.1	19.5	18.1
88.00	36.00	34.2	31.1	28.5	26.1	24.0	22.1	20.4	18.9	17.5
92.00	36.00	33.1	30.2	27.6	25.3	23.2	21.4	19.8	18.3	16.9
96.00	36.00	32.1	29.3	26.7	24.5	22.5	20.8	19.2	17.7	16.4

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION

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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

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

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE
NTS

DATE
08/03/16

SHEET
11 OF 22

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	92.1	77.4	65.9	56.9	49.5	43.2	36.0	30.4
84.00	18.00	100.0	88.5	74.3	63.4	54.6	47.6	41.5	34.6	29.2
88.00	18.00	100.0	85.1	71.5	61.0	52.6	45.8	40.0	33.3	28.1
92.00	18.00	99.3	82.0	68.9	58.7	50.7	44.1	38.5	32.1	27.0
96.00	18.00	95.8	79.2	66.5	56.7	48.9	42.6	37.1	31.0	26.1

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	92.1	77.4	65.9	56.9	49.5	43.2	36.0	30.4	25.8
84.00	18.00	88.5	74.3	63.4	54.6	47.6	41.5	34.6	29.2	24.8
88.00	18.00	85.1	71.5	61.0	52.6	45.8	40.0	33.3	28.1	23.9
92.00	18.00	82.0	68.9	58.7	50.7	44.1	38.5	32.1	27.0	23.0
96.00	18.00	79.2	66.5	56.7	48.9	42.6	37.1	31.0	26.1	22.2

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	77.4	65.9	56.9	49.5	43.2	36.0	30.4	25.8	22.1
84.00	18.00	74.3	63.4	54.6	47.6	41.5	34.6	29.2	24.8	21.3
88.00	18.00	71.5	61.0	52.6	45.8	40.0	33.3	28.1	23.9	20.5
92.00	18.00	68.9	58.7	50.7	44.1	38.5	32.1	27.0	23.0	19.7
96.00	18.00	66.5	56.7	48.9	42.6	37.1	31.0	26.1	22.2	19.0

IMPACT RATED UP TO WIND ZONE 3

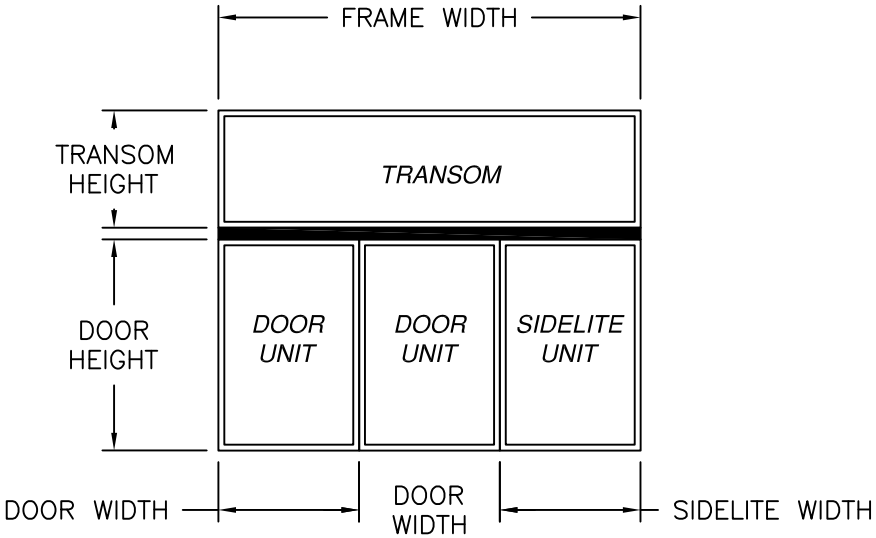
CHART #52										
Ratings for double door with 30 in wide sidelite and 18 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	18.00	65.9	56.9	49.5	43.2	36.0	30.4	25.8	22.1	19.1
84.00	18.00	63.4	54.6	47.6	41.5	34.6	29.2	24.8	21.3	18.4
88.00	18.00	61.0	52.6	45.8	40.0	33.3	28.1	23.9	20.5	17.7
92.00	18.00	58.7	50.7	44.1	38.5	32.1	27.0	23.0	19.7	17.0
96.00	18.00	56.7	48.9	42.6	37.1	31.0	26.1	22.2	19.0	16.4

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	56.9	49.5	43.2	36.0	30.4	25.8	22.1	19.1	16.6
84.00	18.00	54.6	47.6	41.5	34.6	29.2	24.8	21.3	18.4	16.0
88.00	18.00	52.6	45.8	40.0	33.3	28.1	23.9	20.5	17.7	15.4
92.00	18.00	50.7	44.1	38.5	32.1	27.0	23.0	19.7	17.0	-
96.00	18.00	48.9	42.6	37.1	31.0	26.1	22.2	19.0	16.4	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION
DOUBLE DOOR WITH SIDELITE AND TRANSOM
SEE CHARTS #49, #50, #51, #52 AND #53 FOR RATINGS

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH SIDELITE AND 18" TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 12 OF 22

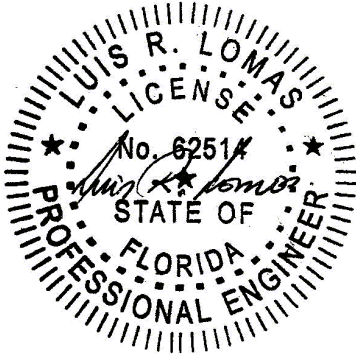


CHART #54										
Ratings for double door with 12 in wide sidelite and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	100.0	86.8	72.9	62.1	53.6	46.7	40.7	33.9	28.6
84.00	24.00	100.0	83.6	70.2	59.8	51.6	44.9	39.2	32.7	27.5
88.00	24.00	97.5	80.6	67.7	57.7	49.7	43.3	37.8	31.5	26.6
92.00	24.00	94.1	77.8	65.4	55.7	48.0	41.8	36.5	30.4	25.6
96.00	24.00	91.0	75.2	63.2	53.8	46.4	40.4	35.3	29.4	24.8

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	86.8	72.9	62.1	53.6	46.7	40.7	33.9	28.6	24.3
84.00	24.00	83.6	70.2	59.8	51.6	44.9	39.2	32.7	27.5	23.4
88.00	24.00	80.6	67.7	57.7	49.7	43.3	37.8	31.5	26.6	22.6
92.00	24.00	77.8	65.4	55.7	48.0	41.8	36.5	30.4	25.6	21.8
96.00	24.00	75.2	63.2	53.8	46.4	40.4	35.3	29.4	24.8	21.1

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	72.9	62.1	53.6	46.7	40.7	33.9	28.6	24.3	20.8
84.00	24.00	70.2	59.8	51.6	44.9	39.2	32.7	27.5	23.4	20.1
88.00	24.00	67.7	57.7	49.7	43.3	37.8	31.5	26.6	22.6	19.4
92.00	24.00	65.4	55.7	48.0	41.8	36.5	30.4	25.6	21.8	18.7
96.00	24.00	63.2	53.8	46.4	40.4	35.3	29.4	24.8	21.1	18.1

IMPACT RATED UP TO WIND ZONE 3

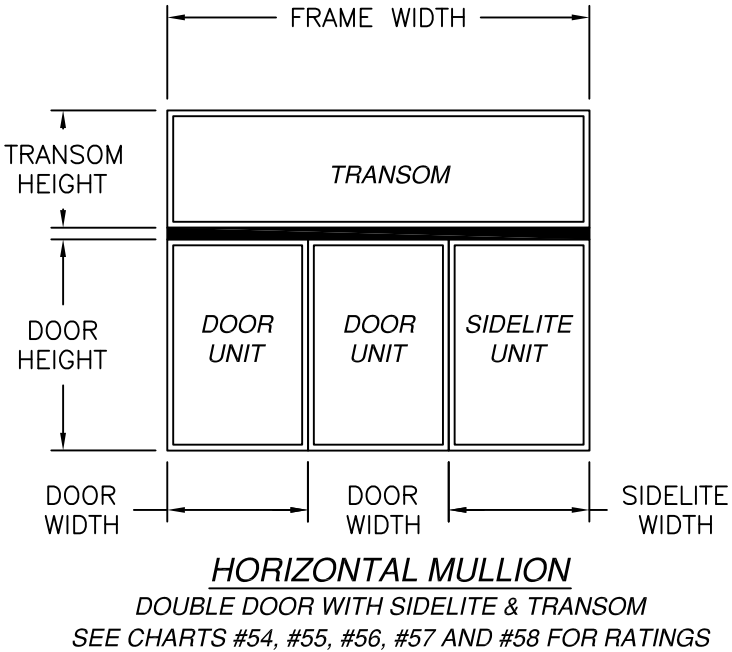
CHART #57										
Ratings for double door with 30 in wide sidelite and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	62.1	53.6	46.7	40.7	33.9	28.6	24.3	20.8	18.0
84.00	24.00	59.8	51.6	44.9	39.2	32.7	27.5	23.4	20.1	17.3
88.00	24.00	57.7	49.7	43.3	37.8	31.5	26.6	22.6	19.4	16.7
92.00	24.00	55.7	48.0	41.8	36.5	30.4	25.6	21.8	18.7	16.1
96.00	24.00	53.8	46.4	40.4	35.3	29.4	24.8	21.1	18.1	15.6

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	53.6	46.7	40.7	33.9	28.6	24.3	20.8	18.0	15.7
84.00	24.00	51.6	44.9	39.2	32.7	27.5	23.4	20.1	17.3	15.1
88.00	24.00	49.7	43.3	37.8	31.5	26.6	22.6	19.4	16.7	-
92.00	24.00	48.0	41.8	36.5	30.4	25.6	21.8	18.7	16.1	-
96.00	24.00	46.4	40.4	35.3	29.4	24.8	21.1	18.1	15.6	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH SIDELITE AND 24" TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 13 OF 22

SIGNED: 07/09/2026

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

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	99.3	82.0	68.9	58.7	50.7	44.1	38.5	32.1	27.0
84.00	30.00	95.8	79.2	66.5	56.7	48.9	42.6	37.1	31.0	26.1
88.00	30.00	92.5	76.5	64.3	54.8	47.2	41.1	35.9	29.9	25.2
92.00	30.00	89.5	74.0	62.2	53.0	45.7	39.8	34.7	28.9	24.4
96.00	30.00	86.7	71.6	60.2	51.3	44.2	38.5	33.6	28.0	23.6

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	82.0	68.9	58.7	50.7	44.1	38.5	32.1	27.0	23.0
84.00	30.00	79.2	66.5	56.7	48.9	42.6	37.1	31.0	26.1	22.2
88.00	30.00	76.5	64.3	54.8	47.2	41.1	35.9	29.9	25.2	21.4
92.00	30.00	74.0	62.2	53.0	45.7	39.8	34.7	28.9	24.4	20.7
96.00	30.00	71.6	60.2	51.3	44.2	38.5	33.6	28.0	23.6	20.1

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	68.9	58.7	50.7	44.1	38.5	32.1	27.0	23.0	19.7
84.00	30.00	66.5	56.7	48.9	42.6	37.1	31.0	26.1	22.2	19.0
88.00	30.00	64.3	54.8	47.2	41.1	35.9	29.9	25.2	21.4	18.4
92.00	30.00	62.2	53.0	45.7	39.8	34.7	28.9	24.4	20.7	17.8
96.00	30.00	60.2	51.3	44.2	38.5	33.6	28.0	23.6	20.1	17.2

IMPACT RATED UP TO WIND ZONE 3

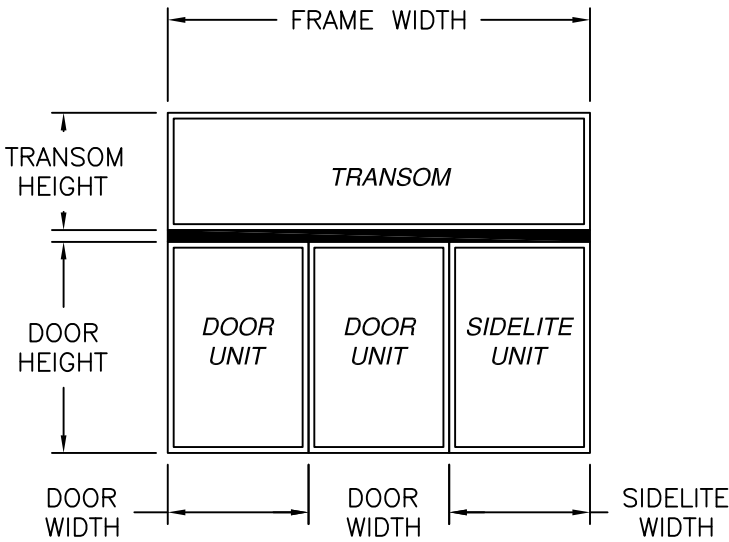
CHART #62										
Ratings for double door with 30 in wide sidelite and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	58.7	50.7	44.1	38.5	32.1	27.0	23.0	19.7	17.0
84.00	30.00	56.7	48.9	42.6	37.1	31.0	26.1	22.2	19.0	16.4
88.00	30.00	54.8	47.2	41.1	35.9	29.9	25.2	21.4	18.4	15.9
92.00	30.00	53.0	45.7	39.8	34.7	28.9	24.4	20.7	17.8	15.4
96.00	30.00	51.3	44.2	38.5	33.6	28.0	23.6	20.1	17.2	-

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	50.7	44.1	38.5	32.1	27.0	23.0	19.7	17.0	-
84.00	30.00	48.9	42.6	37.1	31.0	26.1	22.2	19.0	16.4	-
88.00	30.00	47.2	41.1	35.9	29.9	25.2	21.4	18.4	15.9	-
92.00	30.00	45.7	39.8	34.7	28.9	24.4	20.7	17.8	15.4	-
96.00	30.00	44.2	38.5	33.6	28.0	23.6	20.1	17.2	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION

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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH SIDELITE AND 30" TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 14 OF 22

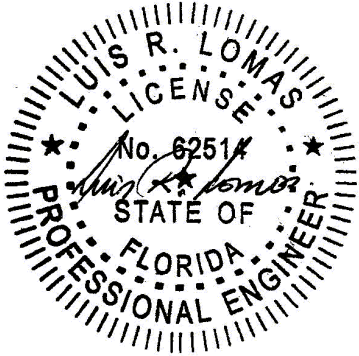


CHART #64										
Ratings for double door with 12 in wide sidelite and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	94.1	77.8	65.4	55.7	48.0	41.8	36.5	30.4	25.6
84.00	36.00	91.0	75.2	63.2	53.8	46.4	40.4	35.3	29.4	24.8
88.00	36.00	88.1	72.8	61.2	52.1	44.9	39.1	34.2	28.5	24.0
92.00	36.00	85.3	70.5	59.2	50.5	43.5	37.9	33.1	27.6	23.2
96.00	36.00	82.7	68.4	57.5	49.0	42.2	36.8	32.1	26.7	22.5

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	77.8	65.4	55.7	48.0	41.8	36.5	30.4	25.6	21.8
84.00	36.00	75.2	63.2	53.8	46.4	40.4	35.3	29.4	24.8	21.1
88.00	36.00	72.8	61.2	52.1	44.9	39.1	34.2	28.5	24.0	20.4
92.00	36.00	70.5	59.2	50.5	43.5	37.9	33.1	27.6	23.2	19.8
96.00	36.00	68.4	57.5	49.0	42.2	36.8	32.1	26.7	22.5	19.2

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	65.4	55.7	48.0	41.8	36.5	30.4	25.6	21.8	18.7
84.00	36.00	63.2	53.8	46.4	40.4	35.3	29.4	24.8	21.1	18.1
88.00	36.00	61.2	52.1	44.9	39.1	34.2	28.5	24.0	20.4	17.5
92.00	36.00	59.2	50.5	43.5	37.9	33.1	27.6	23.2	19.8	16.9
96.00	36.00	57.5	49.0	42.2	36.8	32.1	26.7	22.5	19.2	16.4

IMPACT RATED UP TO WIND ZONE 3

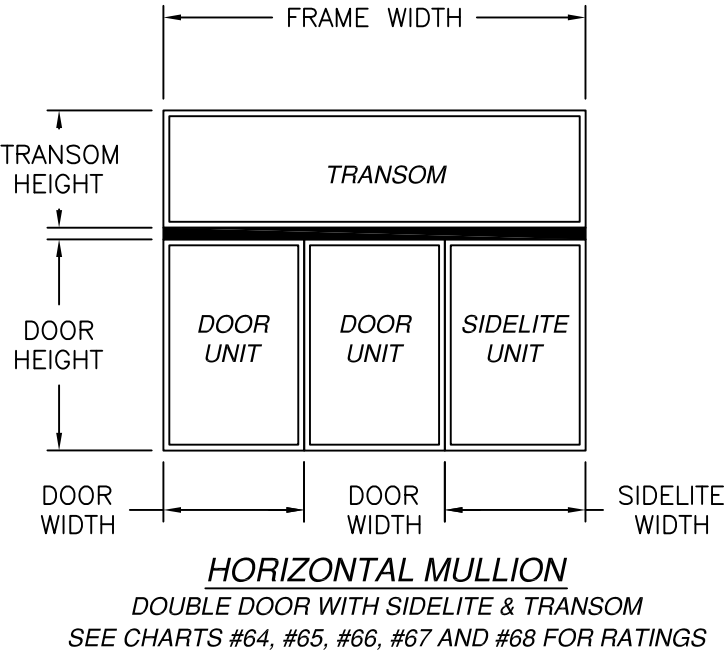
CHART #67										
Ratings for double door with 30 in wide sidelite and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	55.7	48.0	41.8	36.5	30.4	25.6	21.8	18.7	16.1
84.00	36.00	53.8	46.4	40.4	35.3	29.4	24.8	21.1	18.1	15.6
88.00	36.00	52.1	44.9	39.1	34.2	28.5	24.0	20.4	17.5	15.1
92.00	36.00	50.5	43.5	37.9	33.1	27.6	23.2	19.8	16.9	-
96.00	36.00	49.0	42.2	36.8	32.1	26.7	22.5	19.2	16.4	-

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	48.0	41.8	36.5	30.4	25.6	21.8	18.7	16.1	-
84.00	36.00	46.4	40.4	35.3	29.4	24.8	21.1	18.1	15.6	-
88.00	36.00	44.9	39.1	34.2	28.5	24.0	20.4	17.5	15.1	-
92.00	36.00	43.5	37.9	33.1	27.6	23.2	19.8	16.9	-	-
96.00	36.00	42.2	36.8	32.1	26.7	22.5	19.2	16.4	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA

4016 SHADRACK ST.
HOUSTON, TX 77013

MULLION HORIZONTAL EXCEL SERIES

SINGLE AND DOUBLE DOORS WITH TRANSOM

DOUBLE DOOR WITH SIDELITE AND 36" TRANSOM

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE
NTS

DATE
08/03/16

SHEET
15 OF 22

LUIS R. LOMAS

PROFESSIONAL ENGINEER

STATE OF FLORIDA

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	77.4	65.9	56.9	49.5	43.2	36.0	30.4	25.8	22.1
84.00	18.00	74.3	63.4	54.6	47.6	41.5	34.6	29.2	24.8	21.3
88.00	18.00	71.5	61.0	52.6	45.8	40.0	33.3	28.1	23.9	20.5
92.00	18.00	68.9	58.7	50.7	44.1	38.5	32.1	27.0	23.0	19.7
96.00	18.00	66.5	56.7	48.9	42.6	37.1	31.0	26.1	22.2	19.0

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	56.9	49.5	43.2	36.0	30.4	25.8	22.1	19.1	16.6
84.00	18.00	54.6	47.6	41.5	34.6	29.2	24.8	21.3	18.4	16.0
88.00	18.00	52.6	45.8	40.0	33.3	28.1	23.9	20.5	17.7	15.4
92.00	18.00	50.7	44.1	38.5	32.1	27.0	23.0	19.7	17.0	-
96.00	18.00	48.9	42.6	37.1	31.0	26.1	22.2	19.0	16.4	-

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	43.2	36.0	30.4	25.8	22.1	19.1	16.6	-	-
84.00	18.00	41.5	34.6	29.2	24.8	21.3	18.4	16.0	-	-
88.00	18.00	40.0	33.3	28.1	23.9	20.5	17.7	15.4	-	-
92.00	18.00	38.5	32.1	27.0	23.0	19.7	17.0	-	-	-
96.00	18.00	37.1	31.0	26.1	22.2	19.0	16.4	-	-	-

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	30.4	25.8	22.1	19.1	16.6	-	-	-	-
84.00	18.00	29.2	24.8	21.3	18.4	16.0	-	-	-	-
88.00	18.00	28.1	23.9	20.5	17.7	15.4	-	-	-	-
92.00	18.00	27.0	23.0	19.7	17.0	-	-	-	-	-
96.00	18.00	26.1	22.2	19.0	16.4	-	-	-	-	-

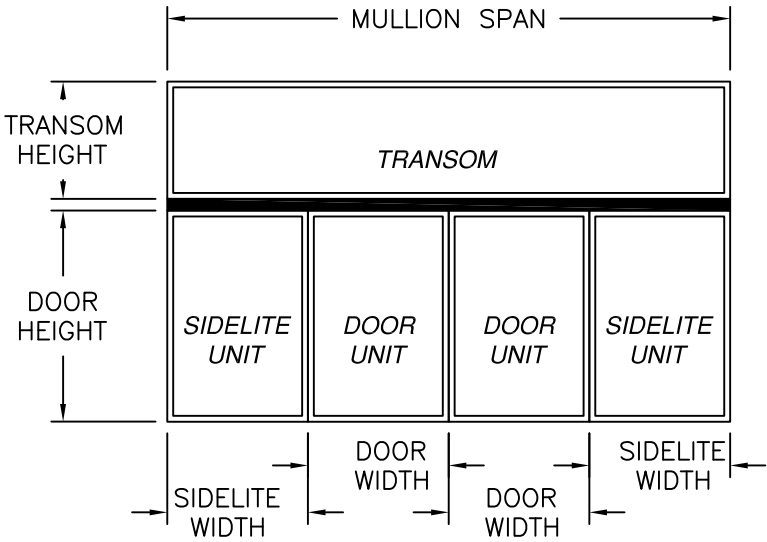
IMPACT RATED UP TO WIND ZONE 3

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	22.1	19.1	16.6	-	-	-	-	-	-
84.00	18.00	21.3	18.4	16.0	-	-	-	-	-	-
88.00	18.00	20.5	17.7	15.4	-	-	-	-	-	-
92.00	18.00	19.7	17.0	-	-	-	-	-	-	-
96.00	18.00	19.0	16.4	-	-	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

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

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE
NTS

DATE
08/03/16

SHEET
16 OF 22

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	72.9	62.1	53.6	46.7	40.7	33.9	28.6	24.3	20.8
84.00	24.00	70.2	59.8	51.6	44.9	39.2	32.7	27.5	23.4	20.1
88.00	24.00	67.7	57.7	49.7	43.3	37.8	31.5	26.6	22.6	19.4
92.00	24.00	65.4	55.7	48.0	41.8	36.5	30.4	25.6	21.8	18.7
96.00	24.00	63.2	53.8	46.4	40.4	35.3	29.4	24.8	21.1	18.1

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	53.6	46.7	40.7	33.9	28.6	24.3	20.8	18.0	15.7
84.00	24.00	51.6	44.9	39.2	32.7	27.5	23.4	20.1	17.3	15.1
88.00	24.00	49.7	43.3	37.8	31.5	26.6	22.6	19.4	16.7	-
92.00	24.00	48.0	41.8	36.5	30.4	25.6	21.8	18.7	16.1	-
96.00	24.00	46.4	40.4	35.3	29.4	24.8	21.1	18.1	15.6	-

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	40.7	33.9	28.6	24.3	20.8	18.0	15.7	-	-
84.00	24.00	39.2	32.7	27.5	23.4	20.1	17.3	15.1	-	-
88.00	24.00	37.8	31.5	26.6	22.6	19.4	16.7	-	-	-
92.00	24.00	36.5	30.4	25.6	21.8	18.7	16.1	-	-	-
96.00	24.00	35.3	29.4	24.8	21.1	18.1	15.6	-	-	-

IMPACT RATED UP TO WIND ZONE 3

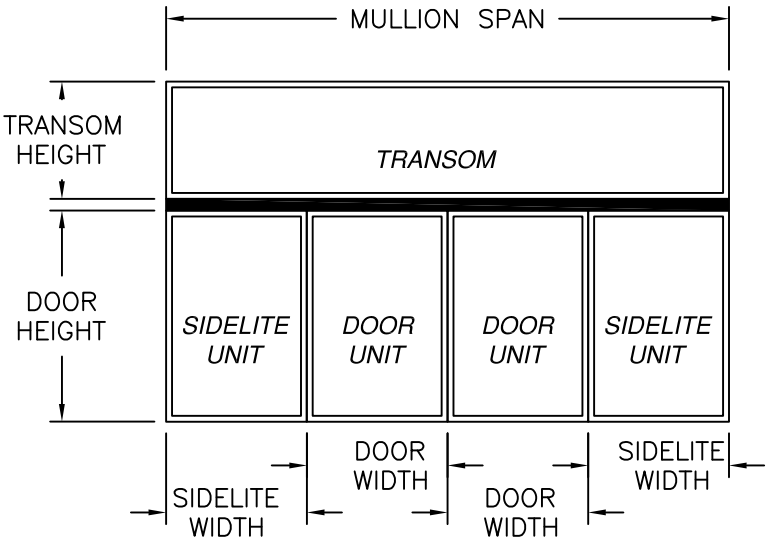
CHART #77										
Ratings for double door with 30 in wide sidelites and 24 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		108.00	114.00	120.00	126.00	132.00	138.00	144.00	150.00	156.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	24.00	28.6	24.3	20.8	18.0	15.7	-	-	-	-
84.00	24.00	27.5	23.4	20.1	17.3	15.1	-	-	-	-
88.00	24.00	26.6	22.6	19.4	16.7	-	-	-	-	-
92.00	24.00	25.6	21.8	18.7	16.1	-	-	-	-	-
96.00	24.00	24.8	21.1	18.1	15.6	-	-	-	-	-

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	20.8	18.0	15.7	-	-	-	-	-	-
84.00	24.00	20.1	17.3	15.1	-	-	-	-	-	-
88.00	24.00	19.4	16.7	-	-	-	-	-	-	-
92.00	24.00	18.7	16.1	-	-	-	-	-	-	-
96.00	24.00	18.1	15.6	-	-	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION
DOUBLE DOOR WITH SIDELITE & TRANSOM
SEE CHARTS #74, #75, #76, #77 AND #78 FOR RATINGS

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

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

DRAWN:
N.G.

DWG NO.
08-02941

REV
A

SCALE
NTS

DATE
08/03/16

SHEET
17 OF 22

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	68.9	58.7	50.7	44.1	38.5	32.1	27.0	23.0	19.7
84.00	30.00	66.5	56.7	48.9	42.6	37.1	31.0	26.1	22.2	19.0
88.00	30.00	64.3	54.8	47.2	41.1	35.9	29.9	25.2	21.4	18.4
92.00	30.00	62.2	53.0	45.7	39.8	34.7	28.9	24.4	20.7	17.8
96.00	30.00	60.2	51.3	44.2	38.5	33.6	28.0	23.6	20.1	17.2

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	50.7	44.1	38.5	32.1	27.0	23.0	19.7	17.0	-
84.00	30.00	48.9	42.6	37.1	31.0	26.1	22.2	19.0	16.4	-
88.00	30.00	47.2	41.1	35.9	29.9	25.2	21.4	18.4	15.9	-
92.00	30.00	45.7	39.8	34.7	28.9	24.4	20.7	17.8	15.4	-
96.00	30.00	44.2	38.5	33.6	28.0	23.6	20.1	17.2	-	-

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	38.5	32.1	27.0	23.0	19.7	17.0	-	-	-
84.00	30.00	37.1	31.0	26.1	22.2	19.0	16.4	-	-	-
88.00	30.00	35.9	29.9	25.2	21.4	18.4	15.9	-	-	-
92.00	30.00	34.7	28.9	24.4	20.7	17.8	15.4	-	-	-
96.00	30.00	33.6	28.0	23.6	20.1	17.2	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

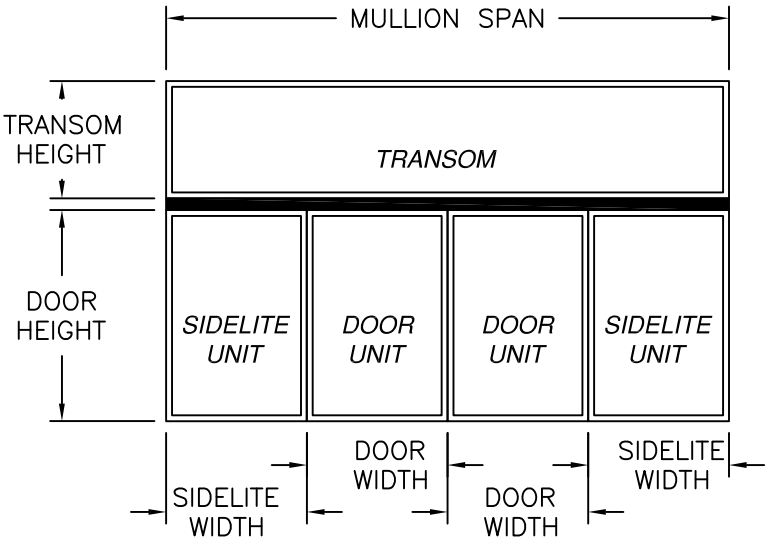
CHART #82										
Ratings for double door with 30 in wide sidelites and 30 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		108.00	114.00	120.00	126.00	132.00	138.00	144.00	150.00	156.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	30.00	27.0	23.0	19.7	17.0	-	-	-	-	-
84.00	30.00	26.1	22.2	19.0	16.4	-	-	-	-	-
88.00	30.00	25.2	21.4	18.4	15.9	-	-	-	-	-
92.00	30.00	24.4	20.7	17.8	15.4	-	-	-	-	-
96.00	30.00	23.6	20.1	17.2	-	-	-	-	-	-

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	19.7	17.0	-	-	-	-	-	-	-
84.00	30.00	19.0	16.4	-	-	-	-	-	-	-
88.00	30.00	18.4	15.9	-	-	-	-	-	-	-
92.00	30.00	17.8	15.4	-	-	-	-	-	-	-
96.00	30.00	17.2	-	-	-	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION

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

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM DOUBLE DOOR WITH SIDELITES AND 30" TRANSOM		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 18 OF 22

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

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	65.4	55.7	48.0	41.8	36.5	30.4	25.6	21.8	18.7
84.00	36.00	63.2	53.8	46.4	40.4	35.3	29.4	24.8	21.1	18.1
88.00	36.00	61.2	52.1	44.9	39.1	34.2	28.5	24.0	20.4	17.5
92.00	36.00	59.2	50.5	43.5	37.9	33.1	27.6	23.2	19.8	16.9
96.00	36.00	57.5	49.0	42.2	36.8	32.1	26.7	22.5	19.2	16.4

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	48.0	41.8	36.5	30.4	25.6	21.8	18.7	16.1	-
84.00	36.00	46.4	40.4	35.3	29.4	24.8	21.1	18.1	15.6	-
88.00	36.00	44.9	39.1	34.2	28.5	24.0	20.4	17.5	15.1	-
92.00	36.00	43.5	37.9	33.1	27.6	23.2	19.8	16.9	-	-
96.00	36.00	42.2	36.8	32.1	26.7	22.5	19.2	16.4	-	-

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	36.5	30.4	25.6	21.8	18.7	16.1	-	-	-
84.00	36.00	35.3	29.4	24.8	21.1	18.1	15.6	-	-	-
88.00	36.00	34.2	28.5	24.0	20.4	17.5	15.1	-	-	-
92.00	36.00	33.1	27.6	23.2	19.8	16.9	-	-	-	-
96.00	36.00	32.1	26.7	22.5	19.2	16.4	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

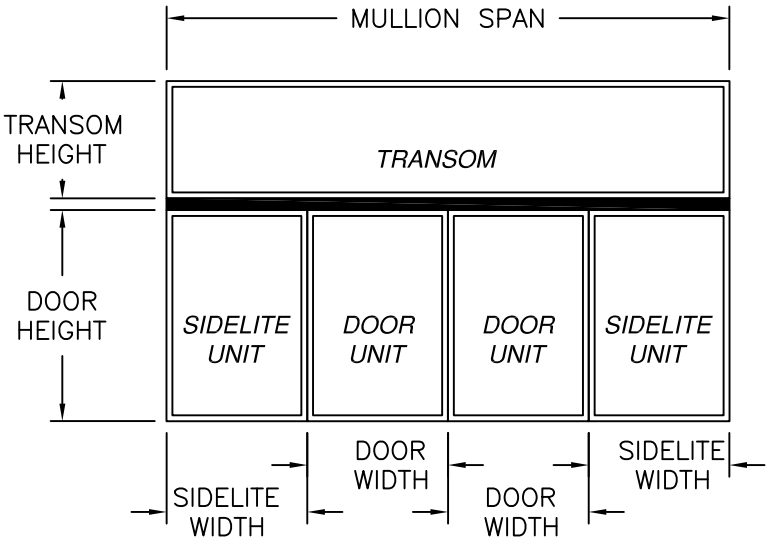
CHART #87										
Ratings for double door with 30 in wide sidelites and 36 in high transom (psf)										
Height (in)		Frame and door panel width (in)								
		108.00	114.00	120.00	126.00	132.00	138.00	144.00	150.00	156.00
Door	Transom	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00
80.00	36.00	25.6	21.8	18.7	16.1	-	-	-	-	-
84.00	36.00	24.8	21.1	18.1	15.6	-	-	-	-	-
88.00	36.00	24.0	20.4	17.5	15.1	-	-	-	-	-
92.00	36.00	23.2	19.8	16.9	-	-	-	-	-	-
96.00	36.00	22.5	19.2	16.4	-	-	-	-	-	-

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	18.7	16.1	-	-	-	-	-	-	-
84.00	36.00	18.1	15.6	-	-	-	-	-	-	-
88.00	36.00	17.5	15.1	-	-	-	-	-	-	-
92.00	36.00	16.9	-	-	-	-	-	-	-	-
96.00	36.00	16.4	-	-	-	-	-	-	-	-

IMPACT RATED UP TO WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.



HORIZONTAL MULLION
DOUBLE DOOR WITH SIDELITES AND TRANSOM
SEE CHARTS #84, #85, #86, AND #88 FOR RATINGS

SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

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

DRAWN:
N.G.

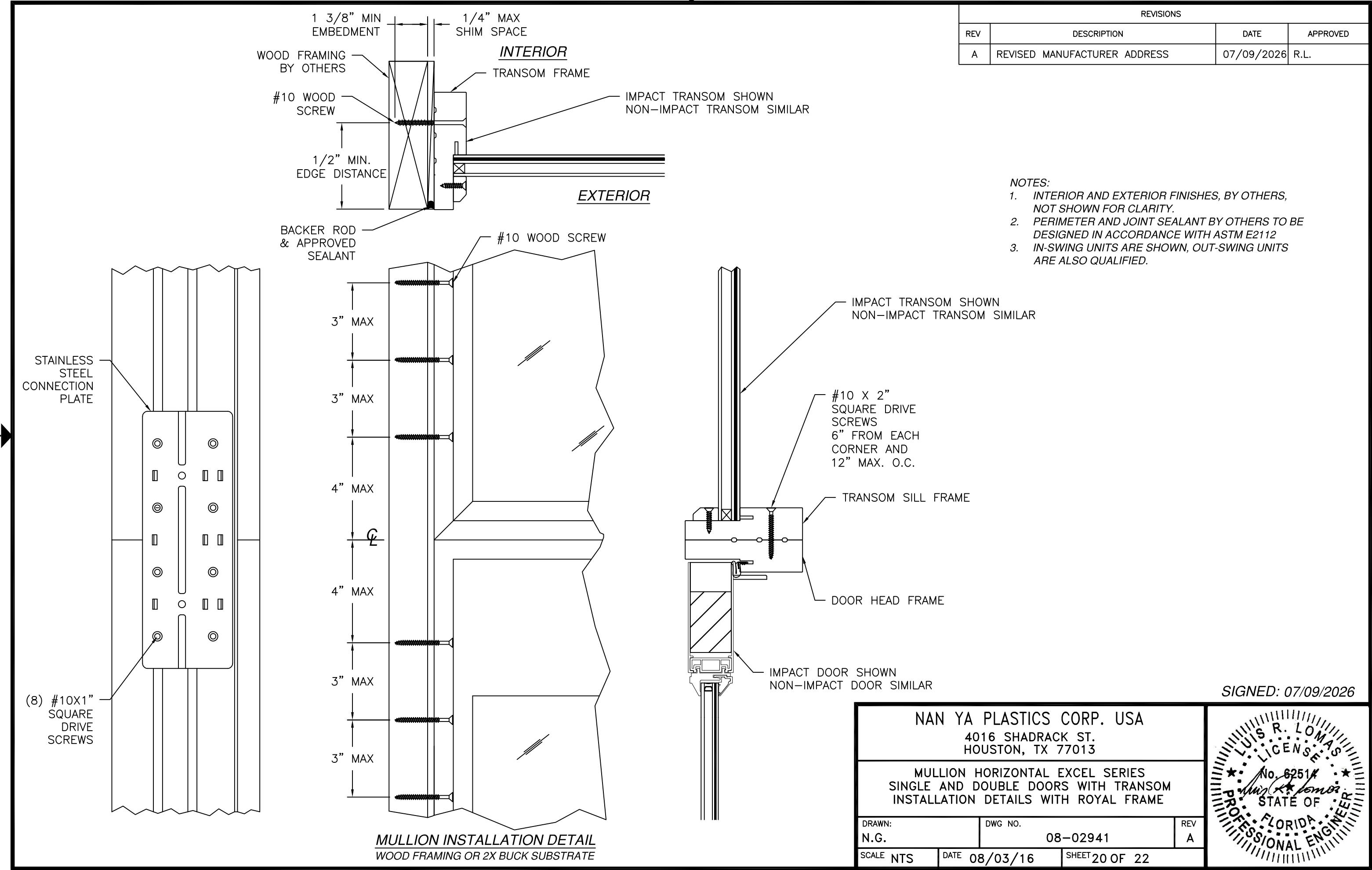
DWG NO.
08-02941

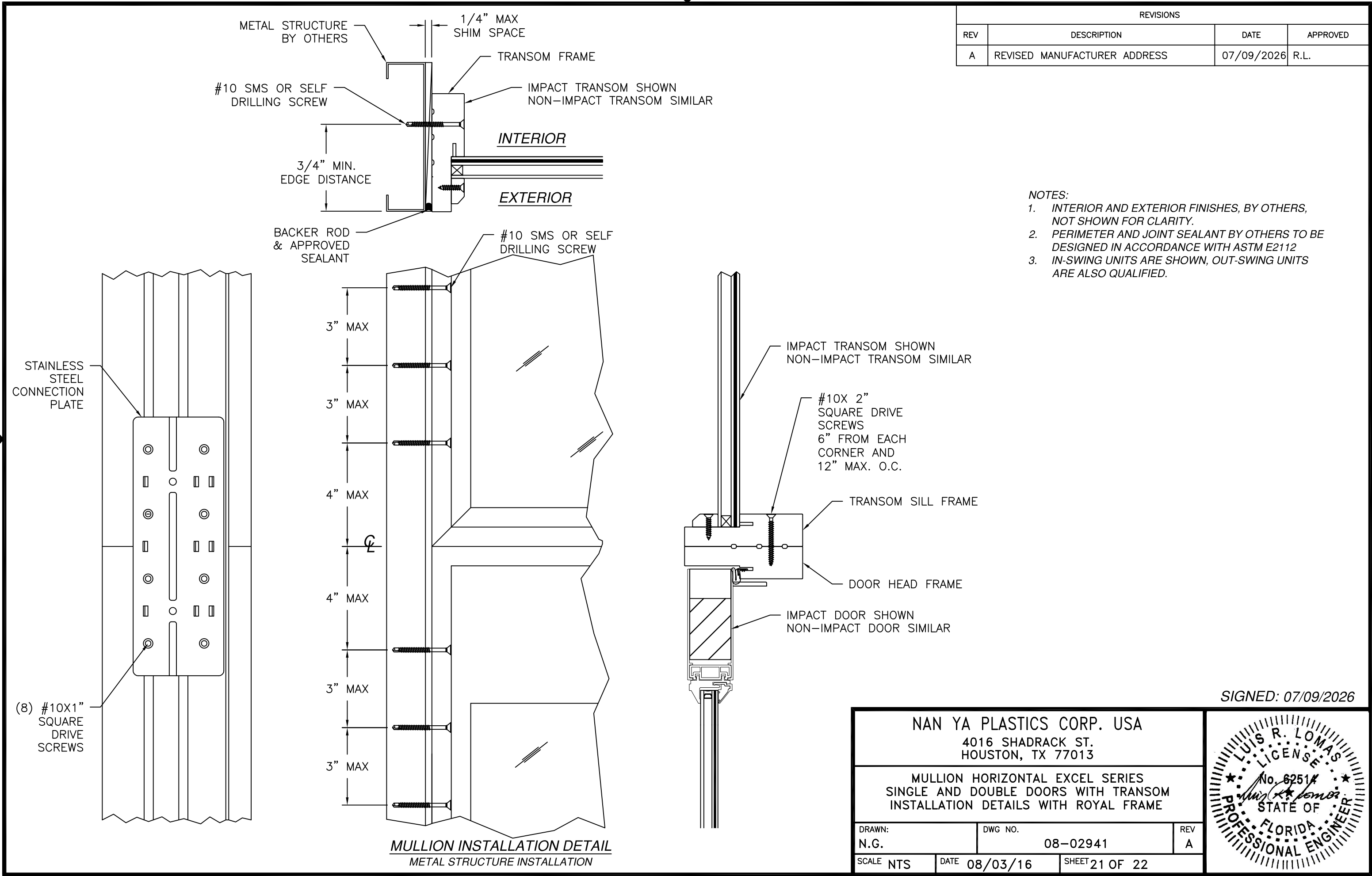
REV
A

SCALE
NTS

DATE
08/03/16

SHEET
19 OF 22



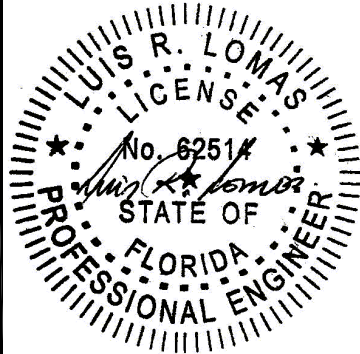


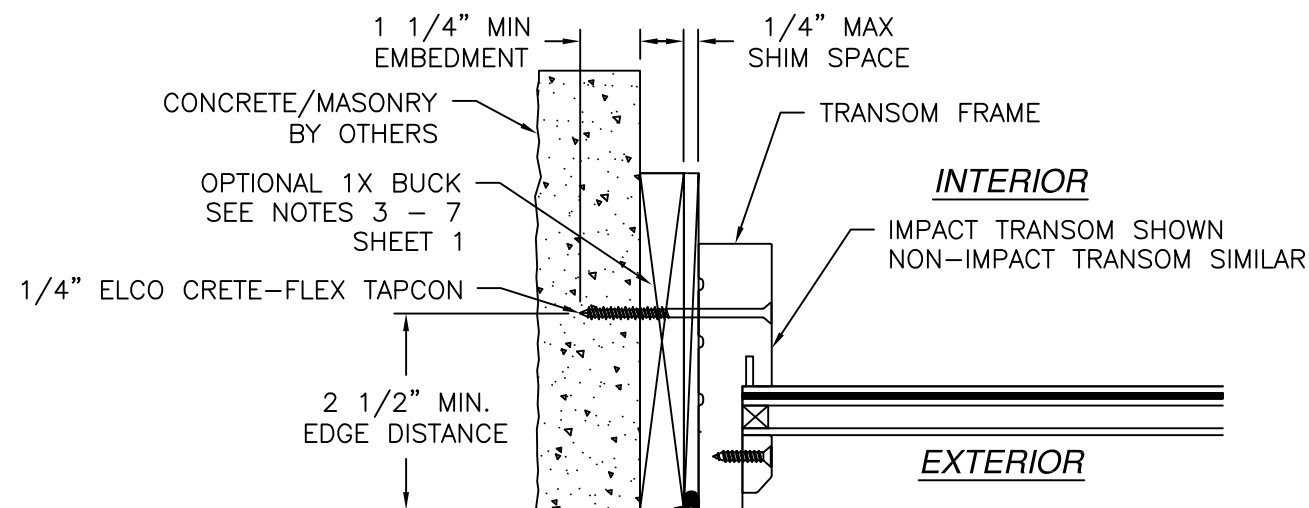
SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

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

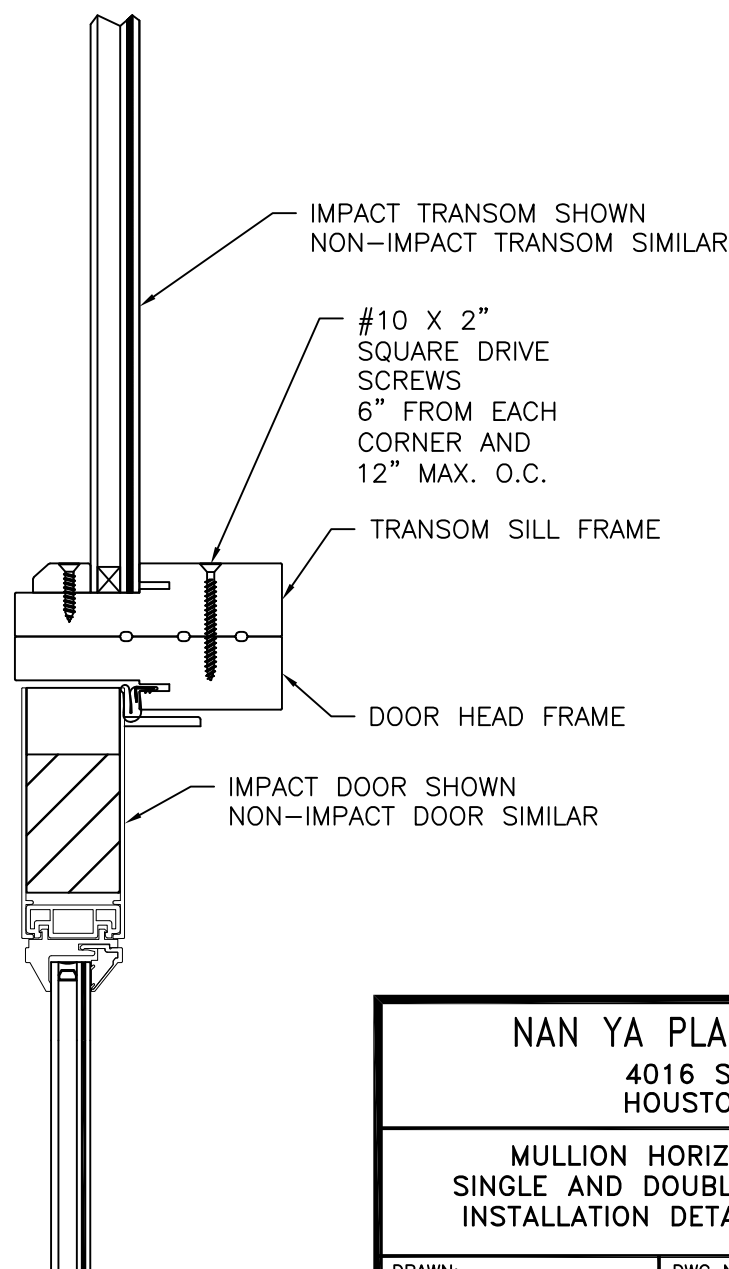
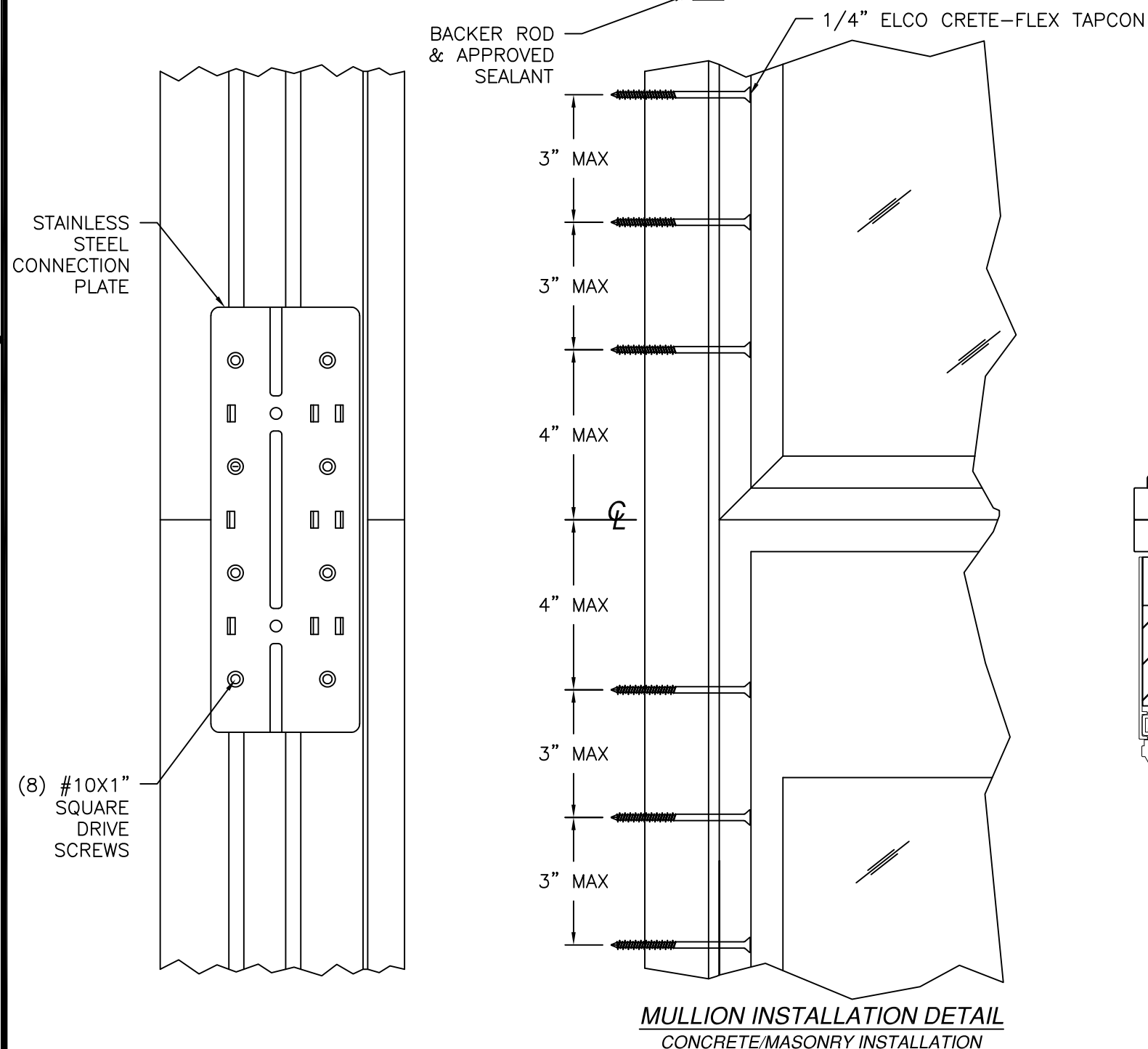
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 21 OF 22





REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED MANUFACTURER ADDRESS	07/09/2026	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.



SIGNED: 07/09/2026

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
MULLION HORIZONTAL EXCEL SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM INSTALLATION DETAILS WITH ROYAL FRAME		
DRAWN: N.G.	DWG NO. 08-02941	REV A
SCALE NTS	DATE 08/03/16	SHEET 22 OF 22

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