

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2. WOOD FRAMING METAL FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3. 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. SINGLE WINDOWS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. WINDOWS MUST BE MANUFACTURED BY NT WINDOW, INC.
- 7. DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW OR DOOR UNIT.

ANCHORING NOTES:

- 1. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
- 2. FOR ANCHORING INTO CONCRETE USE 3/16" TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT WITH 1 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
- 3. FOR ANCHORING INTO METAL FRAMING USE #10 SMS OR SELF DRILLING SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 4. FOR ANCHORING WINDOW OR DOOR UNITS TO BUILDING REFER TO WINDOW OR DOOR 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:
 - 6.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 6.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 4,200 PSI.
 - 6.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 6.4. METAL – STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM.

SIGNED: 07/15/2025

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 3	CONFIGURATIONS AND CHARTS
4 – 6	INSTALLATION DETAILS
7	COMPONENTS

NT WINDOW, INC.
2900 WEST SEMINARY DR.
FORT WORTH, TX 76133

5902 T MULLION
IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-04163

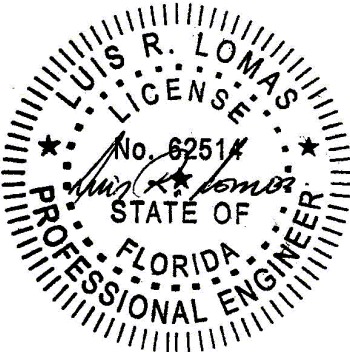
REV
-

SCALE NTS

DATE 07/08/25

SHEET 1 OF 7

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

Rating chart #1 (psf)
Units with transom height of: 18 in

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
24.00	18.00	120.0	120.0	120.0	82.5	51.4	34.1	23.8
30.00	18.00	120.0	120.0	120.0	73.2	45.5	30.2	21.0
36.00	18.00	120.0	120.0	116.9	66.2	41.0	27.1	18.9
42.00	18.00	120.0	120.0	106.8	60.6	37.5	24.7	17.2
48.00	18.00	120.0	120.0	98.3	55.9	34.6	22.8	15.8
54.00	18.00	120.0	120.0	91.0	51.8	32.1	21.2	-
60.00	18.00	120.0	120.0	84.8	48.3	30.0	19.8	-
66.00	18.00	120.0	97.8	79.3	45.2	28.1	18.6	-
72.00	18.00	97.6	74.7	61.3	42.5	26.5	17.5	-
78.00	18.00	76.5	58.3	47.7	40.2	25.0	16.6	-
84.00	18.00	61.1	46.5	37.9	32.3	23.7	15.7	-

IMPACT RATED UP TO WIND ZONE 3

Rating chart #2 (psf)
Units with transom height of: 24 in

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
24.00	24.00	120.0	120.0	120.0	73.0	45.4	30.1	21.0
30.00	24.00	120.0	120.0	116.1	65.7	40.7	27.0	18.8
36.00	24.00	120.0	120.0	106.1	60.0	37.1	24.5	17.1
42.00	24.00	120.0	120.0	97.7	55.3	34.2	22.6	15.7
48.00	24.00	120.0	120.0	90.6	51.3	31.8	21.0	-
54.00	24.00	120.0	120.0	84.4	47.9	29.7	19.6	-
60.00	24.00	120.0	120.0	79.0	44.9	27.8	18.4	-
66.00	24.00	120.0	97.8	74.2	42.2	26.2	17.3	-
72.00	24.00	97.6	74.7	61.3	39.9	24.8	16.4	-
78.00	24.00	76.5	58.3	47.7	37.8	23.5	15.5	-
84.00	24.00	61.1	46.5	37.9	32.3	22.3	-	-

IMPACT RATED UP TO WIND ZONE 3

Rating chart #3 (psf)
Units with transom height of: 30 in

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
24.00	30.00	120.0	120.0	117.0	66.0	40.8	27.1	18.8
30.00	30.00	120.0	120.0	106.6	59.9	37.0	24.5	17.0
36.00	30.00	120.0	120.0	98.1	55.1	34.0	22.5	15.6
42.00	30.00	120.0	120.0	90.9	51.2	31.6	20.8	-
48.00	30.00	120.0	120.0	84.6	47.8	29.5	19.4	-
54.00	30.00	120.0	120.0	79.2	44.8	27.7	18.2	-
60.00	30.00	120.0	120.0	74.4	42.1	26.1	17.2	-
66.00	30.00	120.0	97.8	70.2	39.8	24.6	16.3	-
72.00	30.00	97.6	74.7	61.3	37.7	23.4	15.4	-
78.00	30.00	76.5	58.3	47.7	35.8	22.2	-	-
84.00	30.00	61.1	46.5	37.9	32.3	21.2	-	-

IMPACT RATED UP TO WIND ZONE 3

Rating chart #4 (psf)
Units with transom height of: 36 in

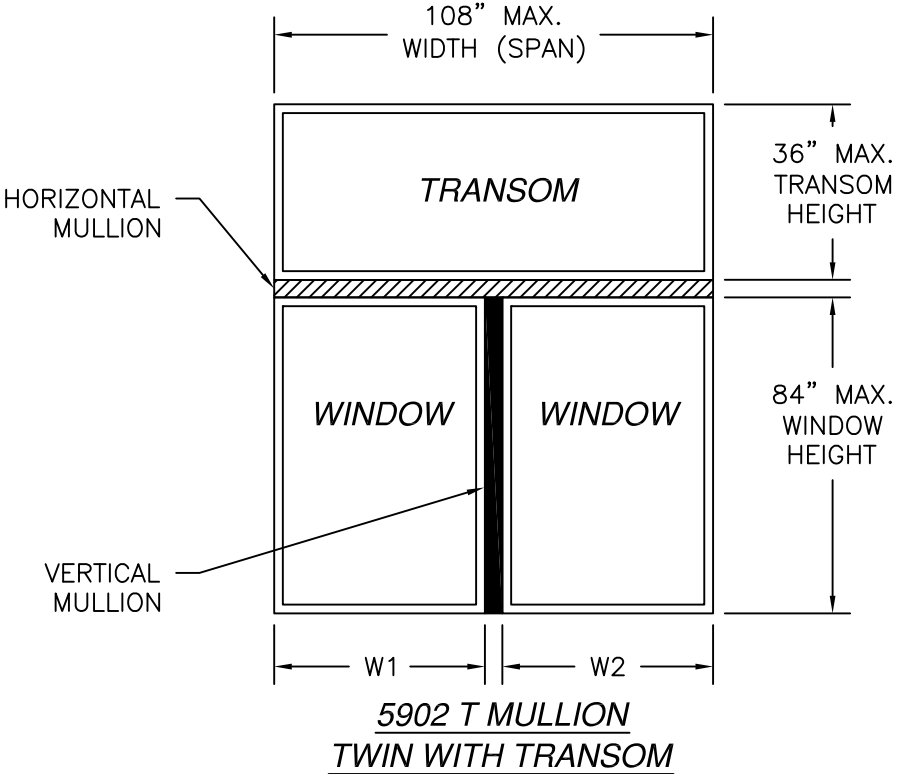
Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
24.00	36.00	120.0	120.0	108.6	60.7	37.4	24.7	17.1
30.00	36.00	120.0	120.0	99.5	55.5	34.2	22.5	15.6
36.00	36.00	120.0	120.0	92.1	51.4	31.6	20.8	-
42.00	36.00	120.0	120.0	85.7	47.9	29.4	19.4	-
48.00	36.00	120.0	120.0	80.1	44.9	27.6	18.2	-
54.00	36.00	120.0	120.0	75.2	42.3	26.0	17.1	-
60.00	36.00	120.0	120.0	70.9	39.9	24.6	16.2	-
66.00	36.00	120.0	97.8	67.1	37.8	23.3	15.4	-
72.00	36.00	97.6	74.7	61.3	35.9	22.2	-	-
78.00	36.00	76.5	58.3	47.7	34.2	21.1	-	-
84.00	36.00	61.1	46.5	37.9	32.3	20.2	-	-

IMPACT RATED UP TO WIND ZONE 3

RATINGS ARE POSITIVE AND NEGATIVE

TRIBUTARY WIDTH = $\frac{W1 + W2}{2}$

REVISIONS			
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SIGNED: 07/15/2025

NT WINDOW, INC.
2900 WEST SEMINARY DR.
FORT WORTH, TX 76133

5902 T MULLION
IMPACT
TWIN WITH TRANSOM

DRAWN:
A.R.

DWG NO.
08-04163

REV
-

SCALE
NTS

DATE
07/08/25

SHEET
2 OF 7

L. ROBERTO LOMAS P.E.
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LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

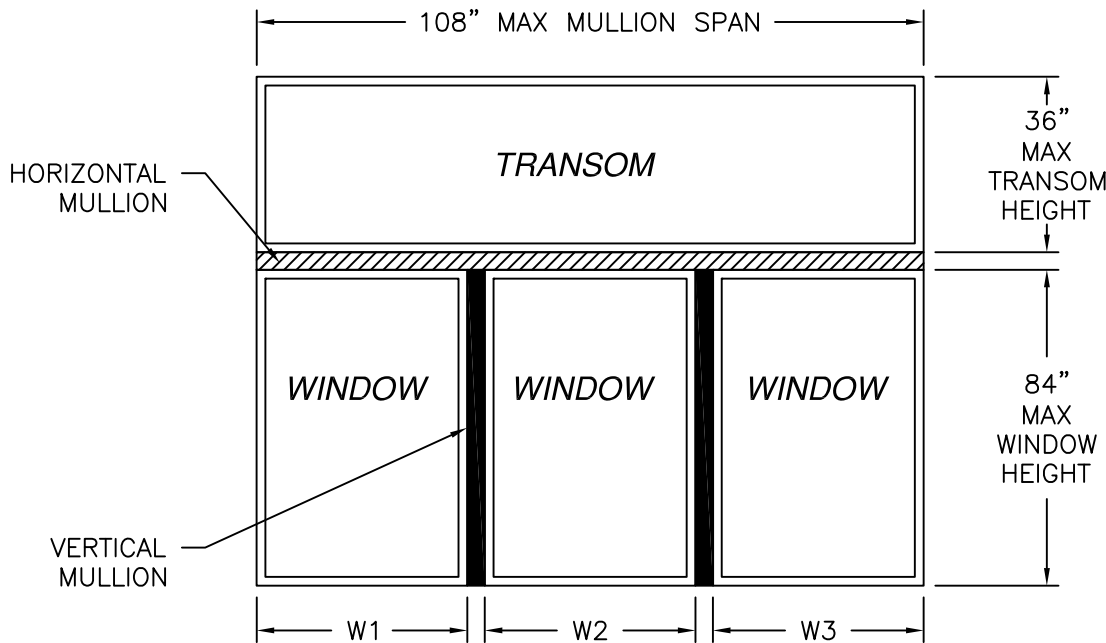
Luis R. Lomas P.E.
FL No.: 62514

Rating chart #5 (psf)												
Units with transom height of: 18 in												
Height (in)		Individual and Triple Unit width (in)										
Window	Transom	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00
18.00	18.00	120.0	120.0	120.0	120.0	95.6	74.9	59.8	48.5	39.8	33.1	27.9
24.00	18.00	120.0	120.0	120.0	107.9	82.7	64.7	51.6	41.8	34.3	28.5	24.0
30.00	18.00	120.0	120.0	120.0	95.2	73.0	57.1	45.5	36.9	30.3	25.2	21.1
36.00	18.00	120.0	120.0	113.9	85.2	65.3	51.1	40.8	33.0	27.1	22.5	18.9
42.00	18.00	120.0	120.0	103.0	77.0	59.1	46.3	36.9	29.9	24.6	20.4	17.1
48.00	18.00	120.0	120.0	94.0	70.3	54.0	42.3	33.7	27.4	22.5	18.7	15.7
54.00	18.00	120.0	119.1	86.4	64.7	49.6	38.9	31.1	25.2	20.7	17.2	-
60.00	18.00	120.0	110.2	80.0	59.9	46.0	36.0	28.8	23.3	19.2	15.9	-
66.00	18.00	120.0	102.5	74.4	55.7	42.8	33.6	26.8	21.7	17.9	-	-
72.00	18.00	108.2	95.8	69.6	52.1	40.0	31.4	25.1	20.3	16.7	-	-
78.00	18.00	84.8	75.7	65.4	49.0	37.6	29.5	23.6	19.1	15.7	-	-
84.00	18.00	67.8	60.5	54.6	46.2	35.5	27.8	22.2	18.0	-	-	-

IMPACT RATED UP TO WIND ZONE 3

Rating chart #7 (psf)												
Units with transom height of: 30 in												
Height (in)		Individual and Triple Unit width (in)										
Window	Transom	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00
18.00	30.00	120.0	120.0	120.0	97.0	73.9	57.7	45.9	37.1	30.4	25.3	21.2
24.00	30.00	120.0	120.0	116.6	86.5	65.9	51.4	40.9	33.1	27.1	22.5	18.9
30.00	30.00	120.0	120.0	105.2	78.1	59.6	46.5	37.0	29.9	24.5	20.3	17.1
36.00	30.00	120.0	120.0	95.8	71.2	54.4	42.5	33.8	27.3	22.4	18.6	15.6
42.00	30.00	120.0	120.0	88.0	65.4	50.0	39.1	31.1	25.2	20.6	17.1	-
48.00	30.00	120.0	112.8	81.3	60.5	46.3	36.2	28.8	23.3	19.1	15.9	-
54.00	30.00	120.0	104.8	75.6	56.3	43.1	33.7	26.8	21.7	17.8	-	-
60.00	30.00	120.0	97.8	70.6	52.6	40.3	31.5	25.1	20.3	16.7	-	-
66.00	30.00	120.0	91.7	66.3	49.4	37.8	29.6	23.6	19.1	15.7	-	-
72.00	30.00	108.2	86.4	62.4	46.6	35.7	27.9	22.2	18.0	-	-	-
78.00	30.00	84.8	75.7	59.0	44.0	33.7	26.4	21.0	17.0	-	-	-
84.00	30.00	67.8	60.5	54.6	41.7	32.0	25.0	20.0	16.2	-	-	-

IMPACT RATED UP TO WIND ZONE 3



5902 T MULLION
TRIPLE WITH TRANSOM

RATINGS ARE POSITIVE AND NEGATIVE

Rating chart #6 (psf)												
Units with transom height of: 24 in												
Height (in)		Individual and Triple Unit width (in)										
Window	Transom	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00
18.00	24.00	120.0	120.0	120.0	108.5	83.0	64.9	51.7	41.9	34.4	28.6	24.0
24.00	24.00	120.0	120.0	120.0	95.6	73.1	57.1	45.5	36.8	30.2	25.1	21.1
30.00	24.00	120.0	120.0	114.6	85.4	65.4	51.1	40.7	32.9	27.0	22.4	18.8
36.00	24.00	120.0	120.0	103.6	77.3	59.1	46.3	36.9	29.8	24.5	20.3	17.1
42.00	24.00	120.0	120.0	94.5	70.5	54.0	42.3	33.7	27.3	22.4	18.6	15.6
48.00	24.00	120.0	120.0	86.8	64.8	49.7	38.9	31.0	25.1	20.6	17.1	-
54.00	24.00	120.0	111.0	80.3	60.0	46.0	36.0	28.7	23.3	19.1	15.9	-
60.00	24.00	120.0	103.2	74.7	55.9	42.8	33.6	26.8	21.7	17.8	-	-
66.00	24.00	120.0	96.4	69.9	52.2	40.1	31.4	25.0	20.3	16.7	-	-
72.00	24.00	108.2	90.5	65.6	49.1	37.6	29.5	23.5	19.1	15.7	-	-
78.00	24.00	84.8	75.7	61.8	46.2	35.5	27.8	22.2	18.0	-	-	-
84.00	24.00	67.8	60.5	54.6	43.7	33.6	26.3	21.0	17.0	-	-	-

IMPACT RATED UP TO WIND ZONE 3

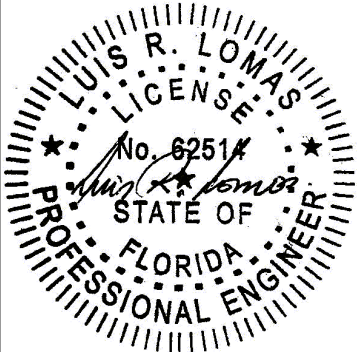
Rating chart #8 (psf)												
Units with transom height of: 36 in												
Height (in)		Individual and Triple Unit width (in)										
Window	Transom	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00
18.00	36.00	120.0	120.0	120.0	88.6	67.3	52.3	41.5	33.5	27.4	22.7	19.0
24.00	36.00	120.0	120.0	108.1	79.8	60.6	47.1	37.4	30.1	24.7	20.5	17.2
30.00	36.00	120.0	120.0	98.3	72.6	55.2	43.0	34.1	27.5	22.5	18.7	15.6
36.00	36.00	120.0	120.0	90.0	66.6	50.7	39.5	31.3	25.3	20.7	17.2	-
42.00	36.00	120.0	116.0	83.1	61.5	46.9	36.5	29.0	23.4	19.2	15.9	-
48.00	36.00	120.0	107.6	77.1	57.2	43.6	34.0	27.0	21.8	17.9	-	-
54.00	36.00	120.0	100.2	71.9	53.4	40.7	31.8	25.3	20.4	16.7	-	-
60.00	36.00	120.0	93.9	67.4	50.1	38.2	29.8	23.7	19.2	15.7	-	-
66.00	36.00	120.0	88.2	63.4	47.1	36.0	28.1	22.4	18.1	-	-	-
72.00	36.00	108.2	83.2	59.9	44.5	34.0	26.6	21.2	17.1	-	-	-
78.00	36.00	84.8	75.7	56.7	42.2	32.3	25.2	20.1	16.2	-	-	-
84.00	36.00	67.8	60.5	53.9	40.1	30.7	24.0	19.1	15.4	-	-	-

IMPACT RATED UP TO WIND ZONE 3

TRIBUTARY WIDTH = $\frac{W1 + W2 + W3}{3}$

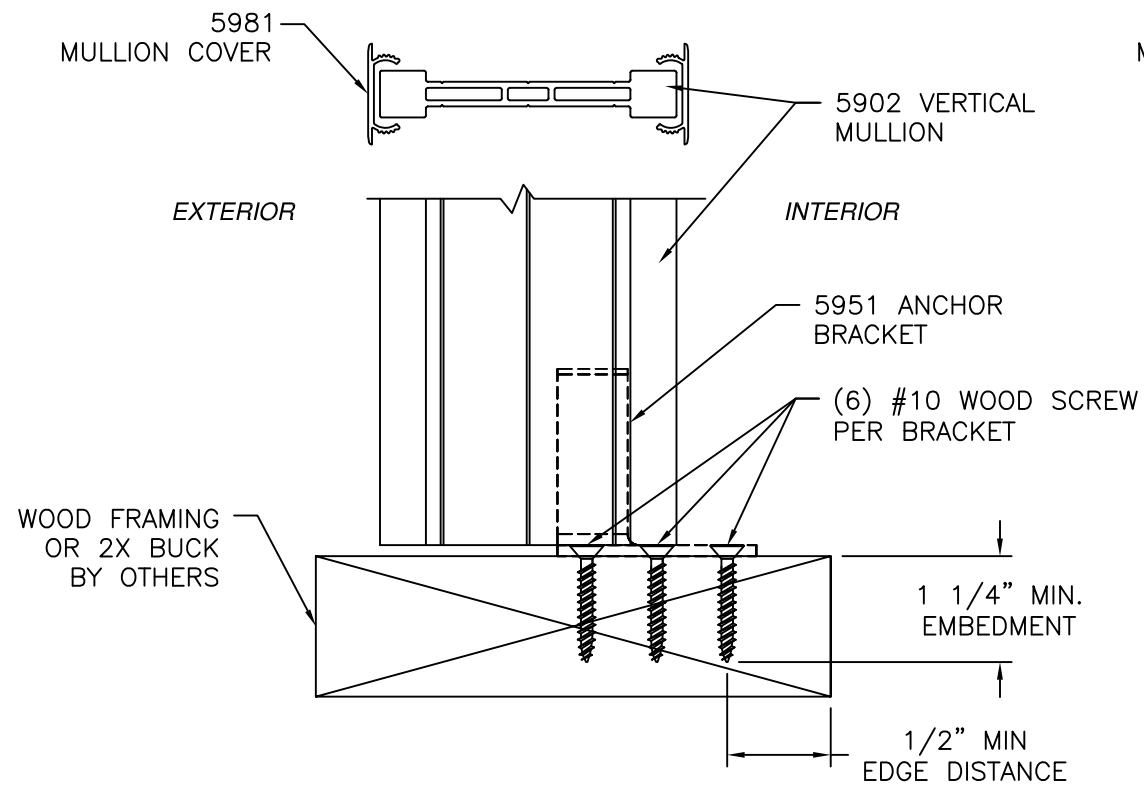
NT WINDOW, INC. 2900 WEST SEMINARY DR. FORT WORTH, TX 76133		
5902 T MULLION IMPACT TRIPLE WITH TRANSOM		
DRAWN: A.R.	DWG NO. 08-04163	REV -
SCALE NTS	DATE 07/08/25	SHEET 3 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 07/15/2025

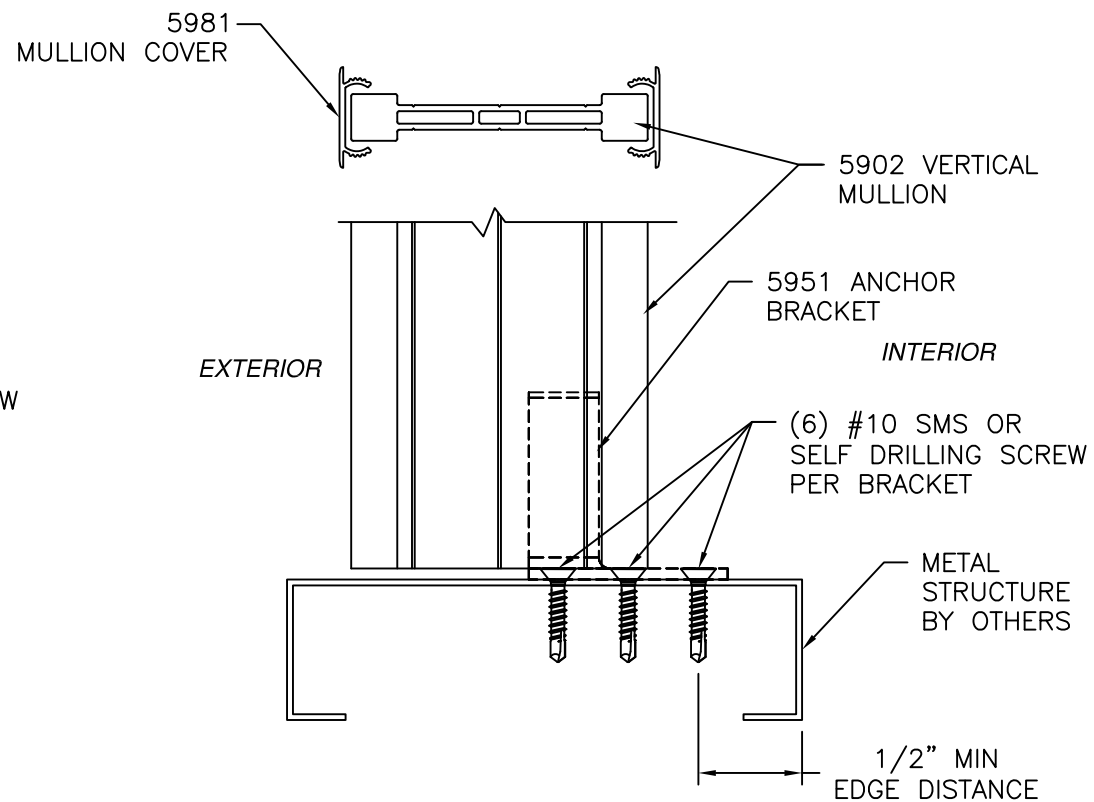


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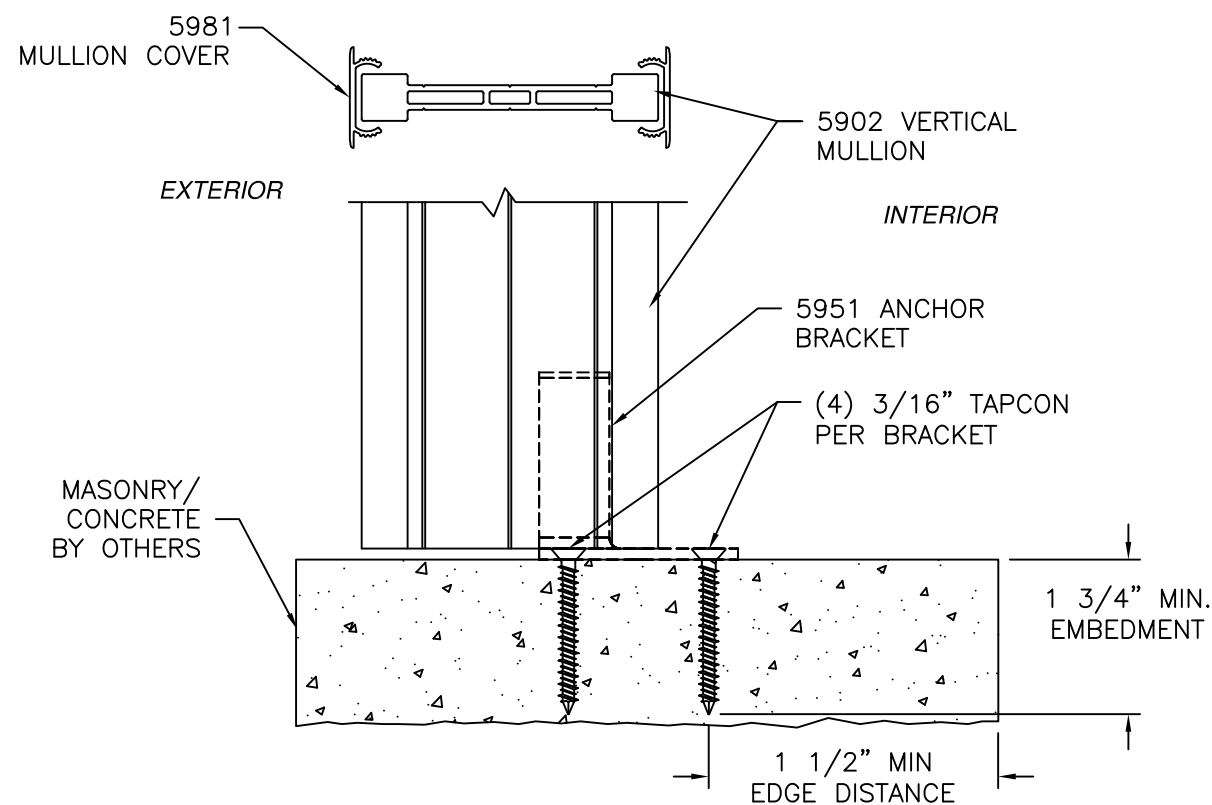
REVISIONS			
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VERTICAL CROSS SECTION
WOOD FRAMING INSTALLATION



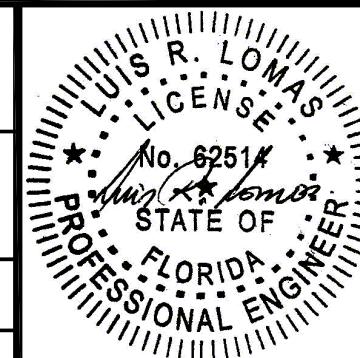
VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

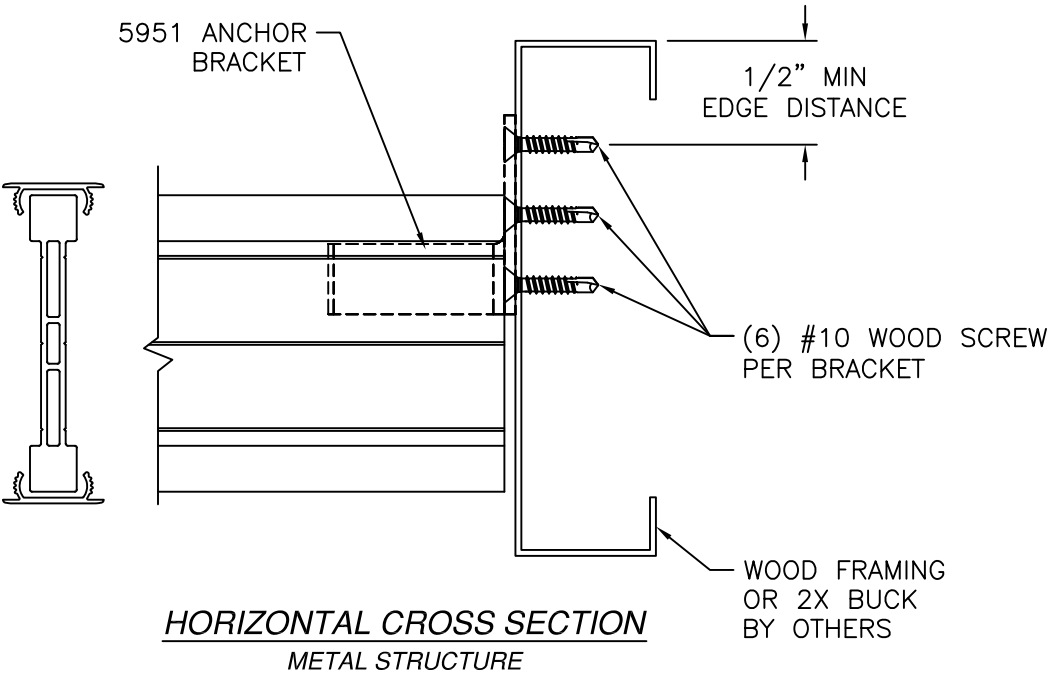
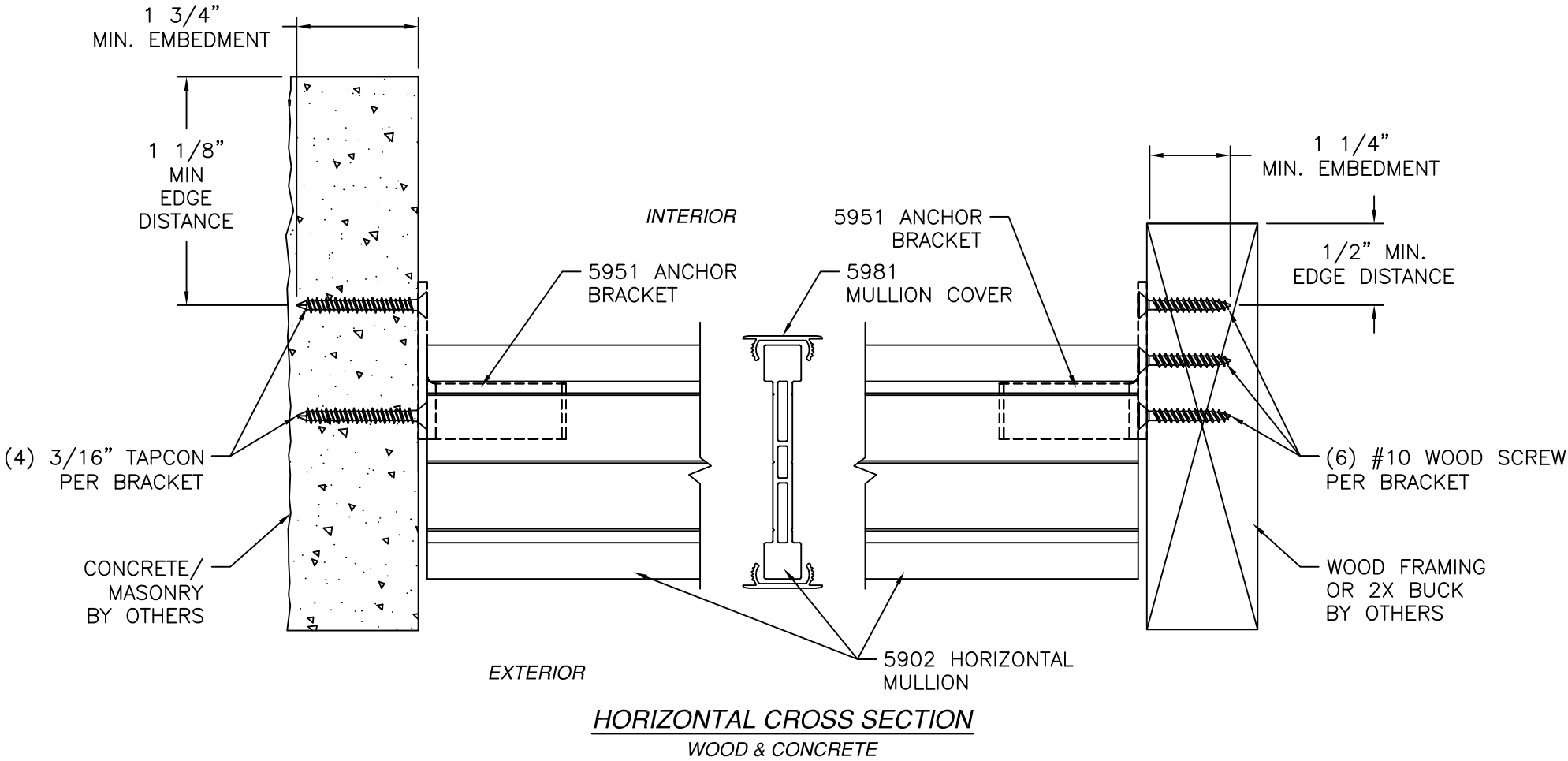
SIGNED: 07/15/2025

NT WINDOW, INC. 2900 WEST SEMINARY DR. FORT WORTH, TX 76133		
5902 T MULLION IMPACT VERTICAL MULLION INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04163	REV -
SCALE NTS	DATE 07/08/25	SHEET 4 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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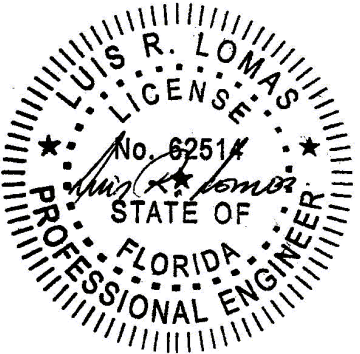
NT WINDOW, INC.
2900 WEST SEMINARY DR.
FORT WORTH, TX 76133

5902 T MULLION
IMPACT
HORIZONTAL MULLION INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-04163	REV -
SCALE NTS	DATE 07/08/25	SHEET 5 OF 7

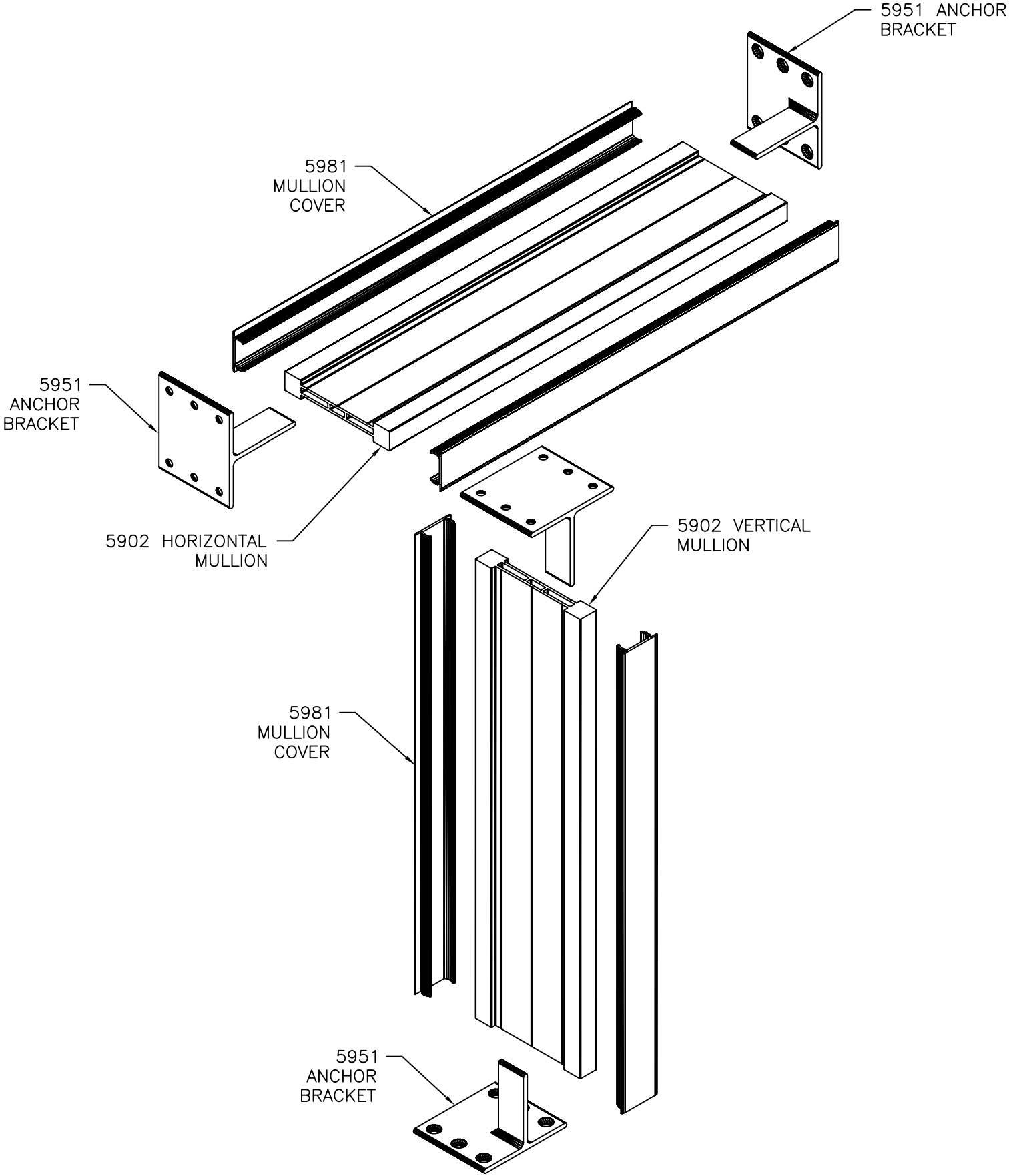
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434-688-0609 rllomas@lrlomaspe.com

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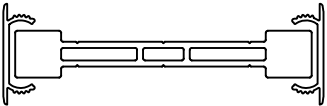
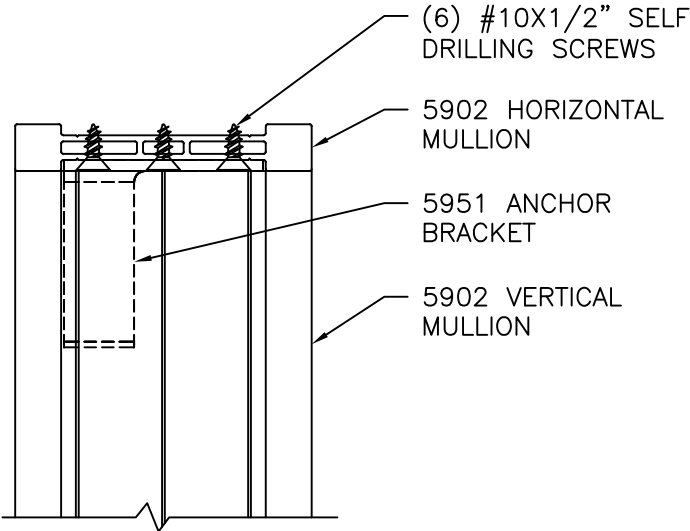


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



HORIZONTAL TO VERTICAL MULLION
INSTALLATION



HORIZONTAL TO VERTICAL MULLION
CONNECTION

SIGNED: 07/15/2025

NT WINDOW, INC.
2900 WEST SEMINARY DR.
FORT WORTH, TX 76133

5902 T MULLION
IMPACT
VERTICAL TO HORIZONTAL MULLION CONNECTIONS

DRAWN:
A.R.

DWG NO.
08-04163

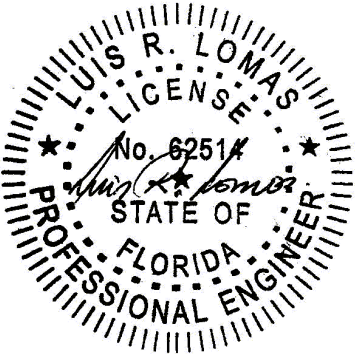
REV
-

SCALE
NTS

DATE
07/08/25

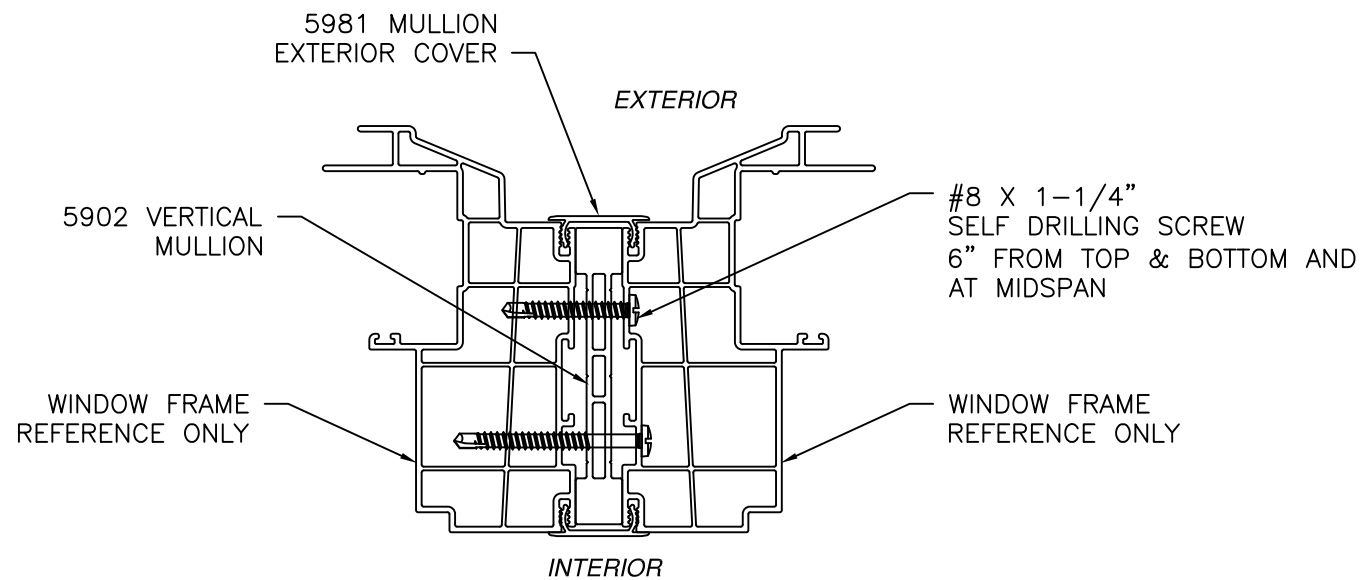
SHEET
6 OF 7

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

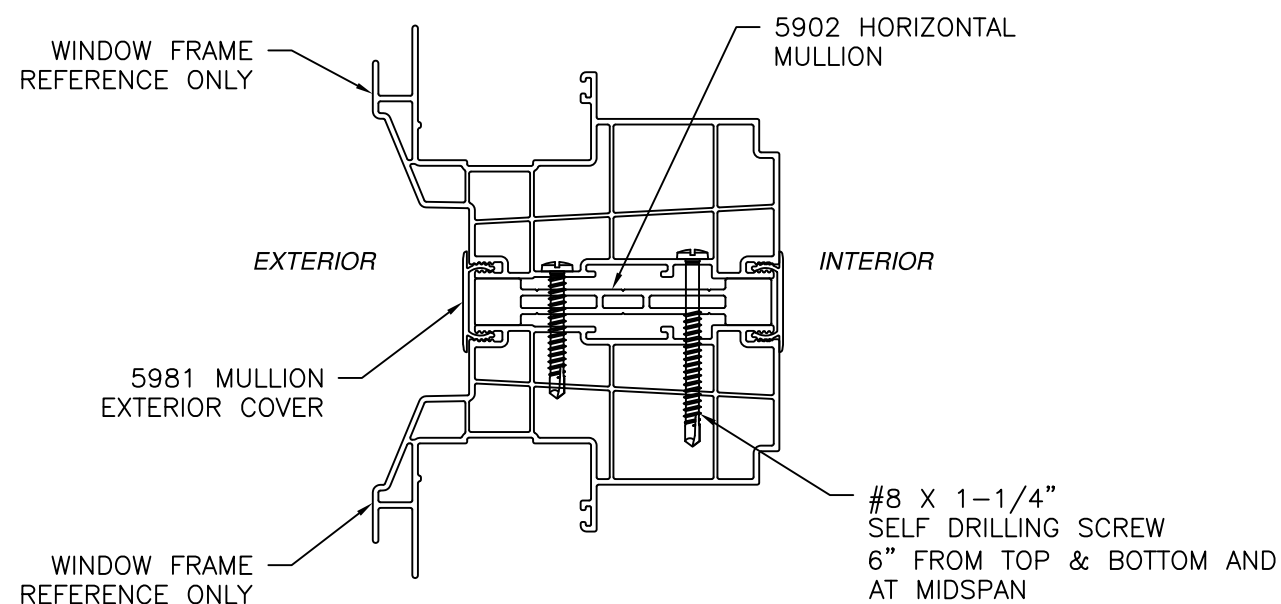
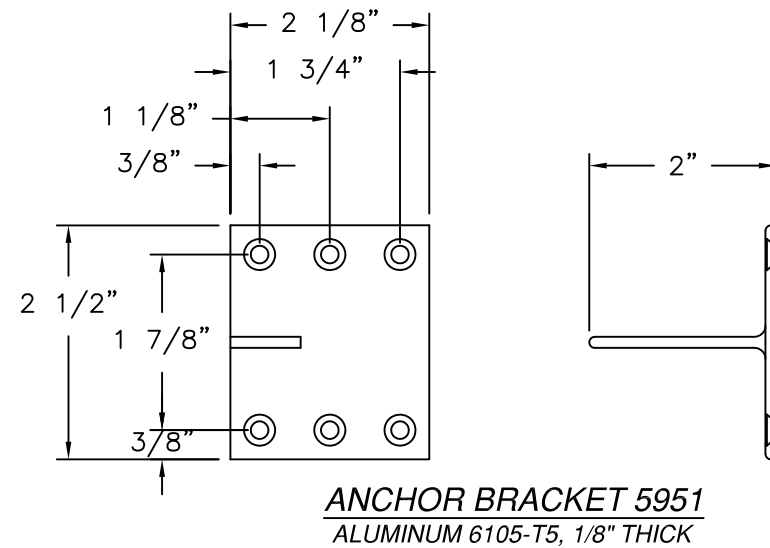


Luis R. Lomas P.E.
FL No.: 62514

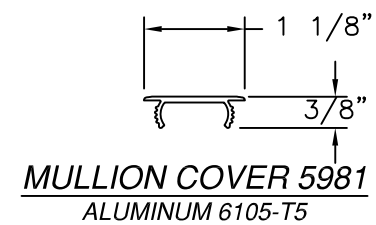
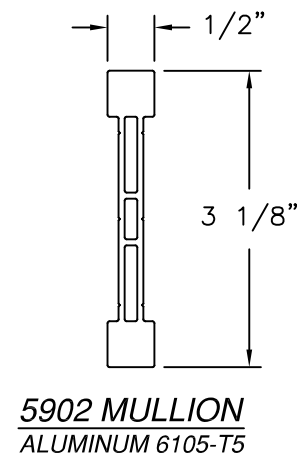
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



WINDOW & VERTICAL MULLION CONNECTION

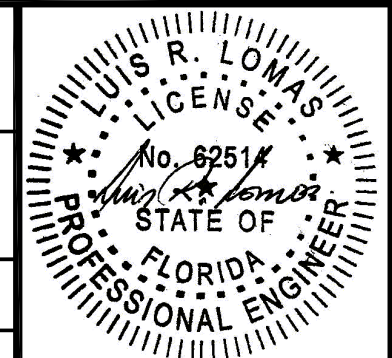


WINDOW & HORIZONTAL MULLION CONNECTION



SIGNED: 07/15/2025

NT WINDOW, INC. 2900 WEST SEMINARY DR. FORT WORTH, TX 76133		
5902 T MULLION IMPACT COMPONENTS		
DRAWN: A.R.	DWG NO. 08-04163	REV -
SCALE NTS	DATE 07/08/25	SHEET 7 OF 7
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