

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

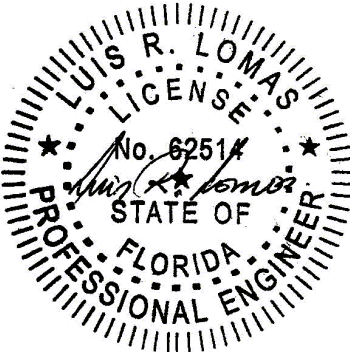
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: EXTRUDED ALUMINUM.
11. UNITS MUST BE GLAZED PER ASTM E1300.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
 - 17.A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR 1/4" THICK STRUCTURAL STEEL. METAL STUDS MUST BE FILLED WITH WOOD BACKER. WOOD BACKERS SHOULD BE ABLE TO WITHSTAND APPLIED LOADS AND IT IS THE RESPONSIBILITY OF THE ARCHITECT OF ENGINEER OF RECORD.
18. UNITS TO BE MULLED TOGETHER MUST HAVE THEIR OWN PRODUCT APPROVAL.
19. FOR ANCHORING UNITS TO MAIN STRUCTURE REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS OF THE UNIT TO BE INSTALLED.

SIGNED: 06/30/2026

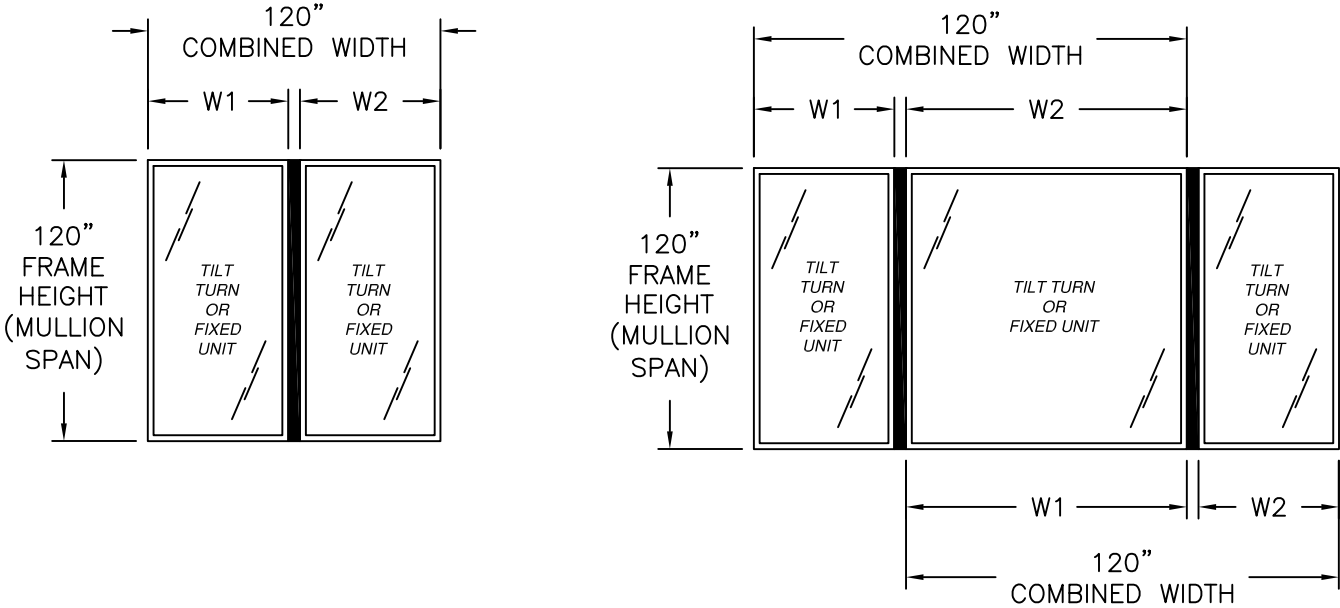
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	DESIGN PRESSURE CHARTS
4 - 8	INSTALLATION DETAILS
9 - 10	MULL AREA CROSS SECTIONS

NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
NW TILT TURN AND FIXED MULLED UNITS NON-IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-04097	REV -
SCALE NTS	DATE 11/20/2024	SHEET 1 OF 10
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



- APPROVED COMBINATIONS:
- 1. TILT/TURN 620 - TILT/TURN 620
 - 2. TILT/TURN 620 - FIXED 610
 - 3. TILT/TURN 820 - TILT/TURN 820
 - 4. TILT/TURN 820 - FIXED 810
 - 5. TILT/TURN 720 - TILT/TURN 720
 - 6. TILT/TURN 720 - FIXED 710
 - 7. TILT/TURN 520 - TILT/TURN 520
 - 8. TILT/TURN 520 - FIXED 510
 - 9. FIXED 610 - FIXED 610
 - 10. FIXED 810 - FIXED 810
 - 11. FIXED 710 - FIXED 710
 - 12. FIXED 510 - FIXED 510

APPROVED CONFIGURATIONS

TWIN AND TRIPLE UNITS ARE SHOWN. UNLIMITED NUMBER OF UNITS MAY BE MULLED TOGETHER AS LONG AS UNIT SIZES DO NOT EXCEED SIZES SHOWN HEREIN AND MULLION IS ANCHORED AS SHOWN IN INSTALLATION DETAILS REFER TO CHARTS IN SHEET 3 FOR RATINGS

DESIGN PRESSURE TABLE INSTRUCTIONS:

- 1. DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE CHAPTER 16.
- 2. DETERMINE TRIBUTARY WIDTH AND MULLION SPAN BASED ON PRODUCT TO BE INSTALLED. SEE FORMULA FOR TRIBUTARY WIDTH.
- 3. LOCATE MULLION SPAN (UNIT HEIGHT) AND TRIBUTARY WIDTH. AT THE INTERSECTION OF ROW AND COLUMN CONTAINING THE MULLION SPAN AND TRIBUTARY WIDTH RESPECTIVELY IS THE MULLION RATING FOR PRODUCT IN STEP 2. MULLION RATING MUST BE EQUAL OR GREATER THAN REQUIRED DESIGN PRESSURE OBTAINED IN STEP 1.

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

SIGNED: 06/30/2026

NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

NW TILT TURN AND FIXED MULLED UNITS
NON-IMPACT
ELEVATIONS

DRAWN:
A.R.

DWG NO.
08-04097

REV
-

SCALE
NTS

DATE
11/20/2024

SHEET
2 OF 10

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

CHART #1

620 / 620 RATING
820 / 820 RATING
810 / 810 RATING
620 / 610 RATING
820 / 810 RATING
720 / 720 RATING
520 / 520 RATING

Mullion span (in)	design pressure ratings are positive and negative						
	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48.00	120.0	120.0	115.2	109.7	108.0	108.0	108.0
54.00	120.0	106.3	96.0	89.8	86.4	85.3	85.3
60.00	108.0	92.2	82.3	76.0	72.0	69.8	69.1
66.00	96.0	81.3	72.0	65.8	61.7	59.1	57.6
72.00	86.4	72.8	64.0	58.1	54.0	51.2	49.4
78.00	78.5	65.8	57.6	52.0	48.0	45.2	43.2
84.00	72.0	60.1	52.4	47.0	43.2	40.4	38.4
90.00	66.5	55.3	48.0	42.9	39.3	36.6	34.6
96.00	61.7	51.2	44.3	39.5	36.0	33.4	31.4
102.00	57.6	47.7	41.1	36.6	33.2	30.7	28.8
108.00	54.0	44.6	38.4	34.0	30.9	28.4	26.6
114.00	50.8	41.9	36.0	31.9	28.8	26.5	24.7
120.00	48.0	39.5	33.9	29.9	27.0	24.8	23.0

CHART #2

610 / 610 RATING

Mullion span (in)	design pressure ratings are positive and negative						
	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48.00	120.0	120.0	115.2	109.7	108.0	108.0	108.0
54.00	120.0	106.3	96.0	89.8	86.4	85.3	85.3
60.00	108.0	92.2	82.3	76.0	72.0	69.8	69.1
66.00	96.0	81.3	72.0	65.8	61.7	59.1	57.6
72.00	86.4	72.8	64.0	58.1	54.0	51.2	49.4
78.00	78.5	65.8	57.6	52.0	48.0	45.2	43.2
84.00	72.0	60.1	52.4	47.0	43.2	40.4	38.0
90.00	64.4	52.4	44.5	39.1	35.2	32.3	30.1
96.00	52.9	42.9	36.4	31.8	28.6	26.1	24.3
102.00	43.9	35.6	30.1	26.3	23.5	21.4	19.8
108.00	36.9	29.9	25.2	22.0	19.6	17.8	16.5
114.00	31.3	25.3	21.4	18.6	16.5	-	-
120.00	26.8	21.7	18.2	15.8	-	-	-

CHART #3

710 / 710 RATING

Mullion span (in)	design pressure ratings are positive and negative						
	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48.00	120.0	120.0	115.2	109.7	108.0	108.0	108.0
54.00	120.0	106.3	96.0	89.8	86.4	85.3	85.3
60.00	108.0	92.2	82.3	76.0	72.0	69.8	69.1
66.00	96.0	81.3	72.0	65.8	61.7	59.1	57.6
72.00	86.4	72.8	64.0	58.1	54.0	51.2	49.4
78.00	78.5	65.8	57.6	52.0	48.0	45.2	43.2
84.00	72.0	60.1	52.4	47.0	43.2	40.4	38.4
90.00	66.2	53.9	45.8	40.2	36.2	33.2	31.0
96.00	54.4	44.1	37.4	32.8	29.4	26.9	25.0
102.00	45.2	36.6	31.0	27.1	24.2	22.1	20.4
108.00	38.0	30.7	26.0	22.6	20.2	18.3	16.9
114.00	32.2	26.1	22.0	19.1	17.0	15.4	-
120.00	27.6	22.3	18.8	16.3	-	-	-

CHART #4

510 / 510 RATING

Mullion span (in)	design pressure ratings are positive and negative						
	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48.00	120.0	120.0	115.2	109.7	108.0	108.0	108.0
54.00	120.0	106.3	96.0	89.8	86.4	85.3	85.3
60.00	108.0	92.2	82.3	76.0	72.0	69.8	69.1
66.00	96.0	81.3	72.0	65.8	61.7	59.1	57.6
72.00	86.4	72.8	64.0	58.1	54.0	51.2	49.4
78.00	78.5	65.8	57.6	52.0	48.0	45.2	43.2
84.00	72.0	60.1	52.4	47.0	43.2	40.4	38.4
90.00	66.5	55.3	48.0	42.9	39.3	36.6	34.6
96.00	61.7	51.2	44.3	39.5	35.8	32.7	30.4
102.00	55.0	44.6	37.7	32.9	29.5	26.8	24.8
108.00	46.2	37.4	31.6	27.5	24.6	22.3	20.6
114.00	39.2	31.7	26.7	23.3	20.7	18.8	17.3
120.00	33.6	27.1	22.8	19.8	17.6	15.9	-

CHART #5

720 / 710 RATING

Mullion span (in)	design pressure ratings are positive and negative						
	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48.00	120.0	120.0	115.2	109.7	108.0	108.0	108.0
54.00	120.0	106.3	96.0	89.8	86.4	85.3	85.3
60.00	108.0	92.2	82.3	76.0	72.0	69.8	69.1
66.00	96.0	81.3	72.0	65.8	61.7	59.1	57.6
72.00	86.4	72.8	64.0	58.1	54.0	51.2	49.4
78.00	78.5	65.8	57.6	52.0	48.0	45.2	43.2
84.00	72.0	60.1	52.4	47.0	43.2	40.4	38.4
90.00	66.5	55.3	48.0	42.9	39.3	36.6	34.6
96.00	61.7	51.2	44.3	39.5	36.0	33.4	31.4
102.00	57.6	47.7	41.1	36.6	33.2	30.7	28.8
108.00	54.0	44.6	38.4	34.0	30.9	28.4	26.4
114.00	50.3	40.6	34.3	29.8	26.5	24.1	22.1
120.00	43.0	34.7	29.3	25.4	22.6	20.4	18.8

CHART #6

520 / 510 RATING

Mullion span (in)	design pressure ratings are positive and negative						
	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.00	115.2	102.4	96.0	94.0	94.0	94.0	94.0
48.00	96.0	83.8	76.8	73.1	72.0	72.0	72.0
54.00	82.3	70.9	64.0	59.8	57.6	56.9	56.9
60.00	72.0	61.4	54.9	50.6	48.0	46.5	46.1
66.00	64.0	54.2	48.0	43.9	41.1	39.4	38.4
72.00	57.6	48.5	42.7	38.7	36.0	34.1	32.9
78.00	52.4	43.9	38.4	34.6	32.0	30.1	28.8
84.00	48.0	40.1	34.9	31.3	28.8	26.9	25.6
90.00	44.3	36.9	32.0	28.6	26.2	24.4	23.0
96.00	41.1	34.1	29.5	26.3	24.0	22.3	20.9
102.00	38.4	31.8	27.4	24.4	22.2	20.5	19.2
108.00	36.0	29.7	25.6	22.7	20.6	19.0	17.7
114.00	33.9	27.9	24.0	21.2	19.2	17.7	16.5
120.00	32.0	26.3	22.6	19.9	18.0	16.5	15.4

SIGNED: 06/30/2026

NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

NW TILT TURN AND FIXED MULLED UNITS
NON-IMPACT
DESIGN PRESSURE CHARTS

DRAWN:
A.R.

DWG NO.
08-04097

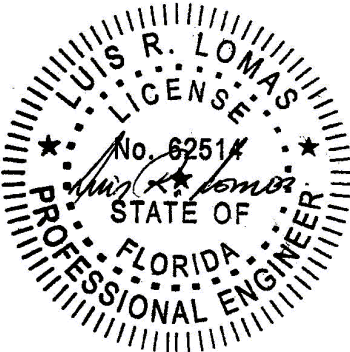
REV
-

SCALE
NTS

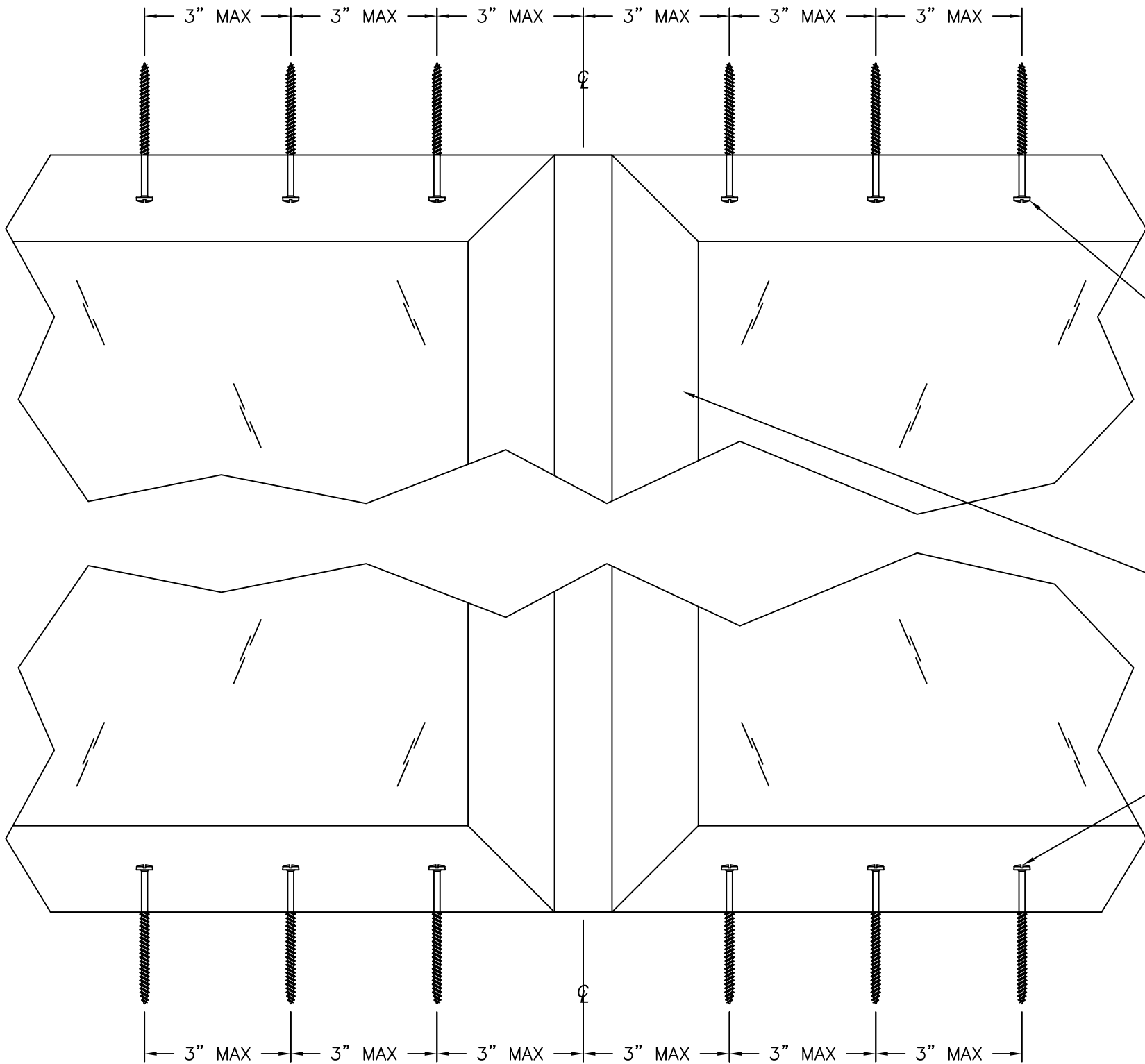
DATE
11/20/2024

SHEET
3 OF 10

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



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

SEE CHART, SHEET 5
FOR ANCHOR INFORMATION

FOR ATTACHING JAMB TO JAMB
REFER TO CROSS SECTIONS
IN SHEETS 9 AND 10

SEE CHART, SHEET 5
FOR ANCHOR INFORMATION

FRONT VIEW

FOR VERTICAL CROSS SECTION REFER TO SHEETS 5 THROUGH 8

- 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

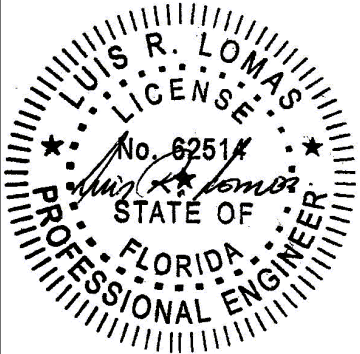
SIGNED: 06/30/2026

NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

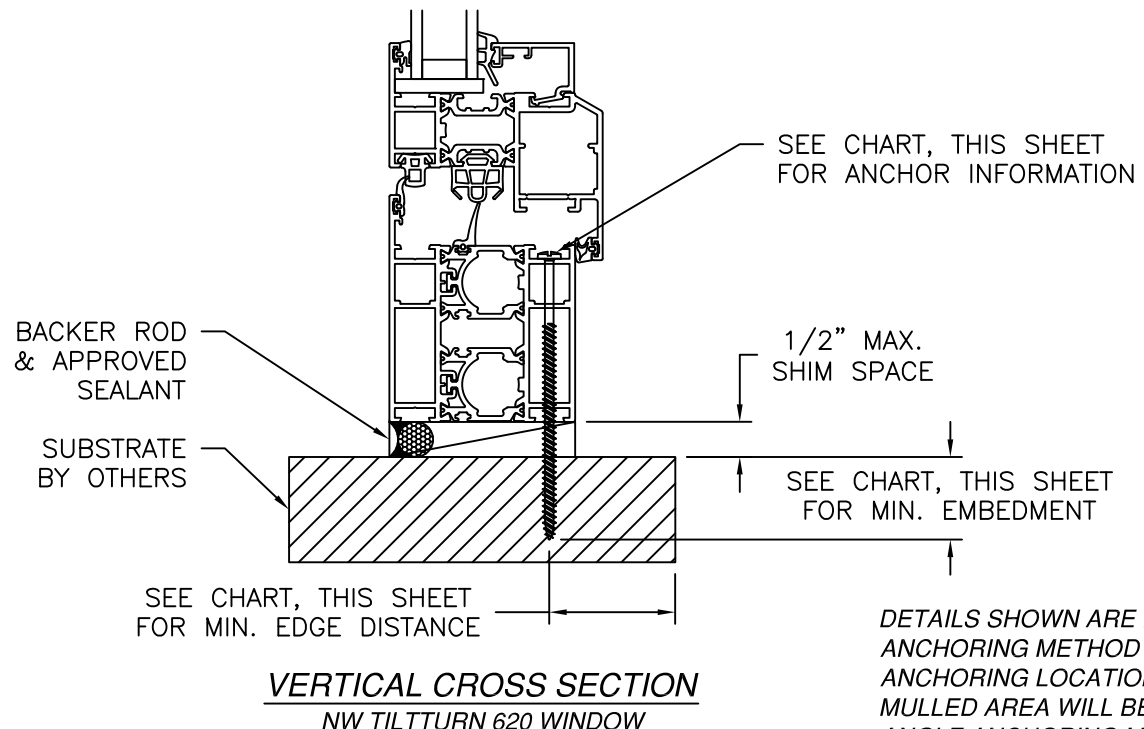
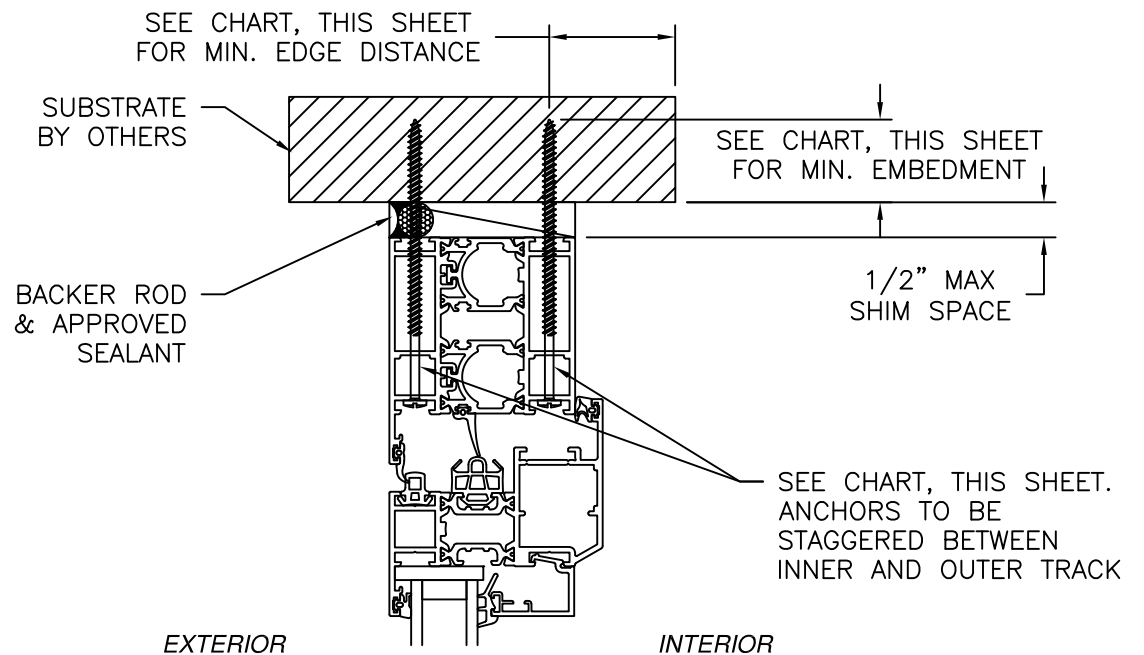
NW TILT TURN AND FIXED MULLED UNITS
NON-IMPACT
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-04097	REV -
SCALE NTS	DATE 11/20/2024	SHEET 4 OF 10

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



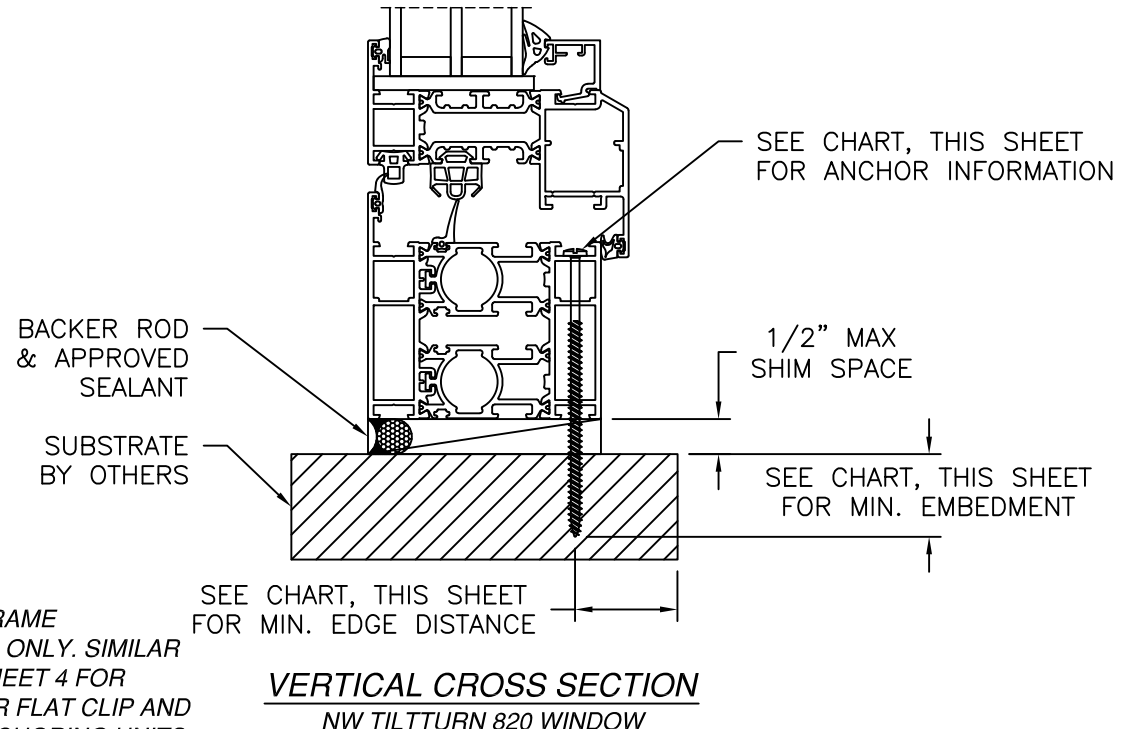
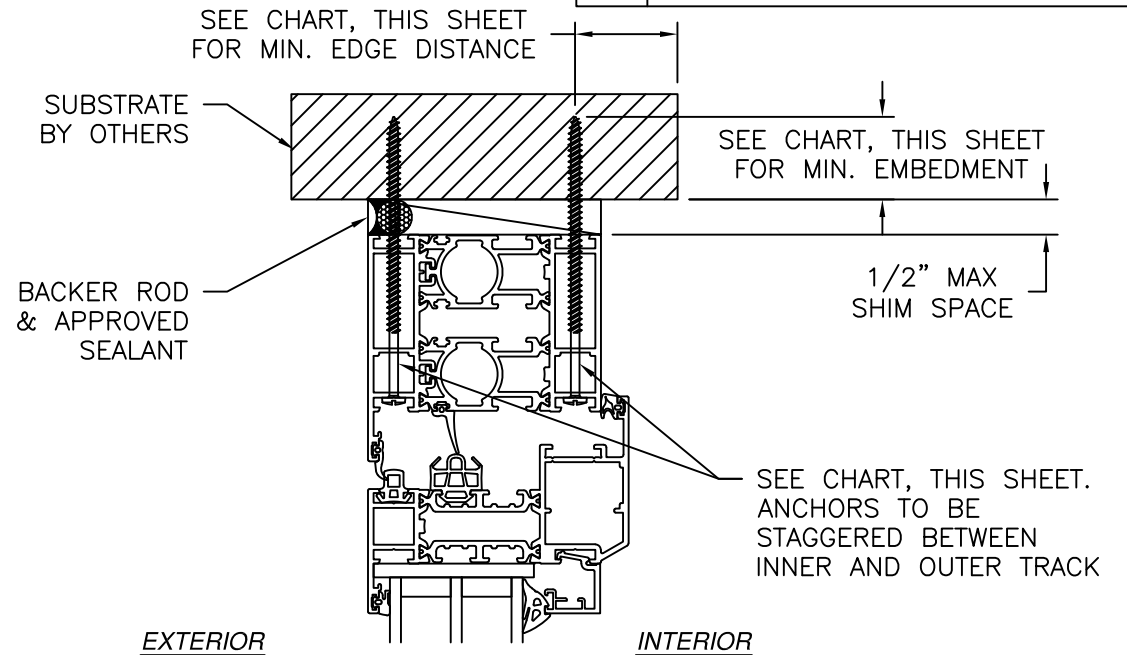
Luis R. Lomas P.E.
FL No.: 62514



DETAILS SHOWN ARE FOR THROUGH FRAME ANCHORING METHOD AT MULLED AREA ONLY. SIMILAR ANCHORING LOCATIONS SHOWN ON SHEET 4 FOR MULLED AREA WILL BE APPLICABLE FOR FLAT CLIP AND ANGLE ANCHORING METHODS. FOR ANCHORING UNITS PERIMETER TO BUILDING STRUCTURE FOR ALL 3 ANCHORING METHODS, REFER TO THE INDIVIDUAL UNITS FL PRODUCT APPROVALS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

- 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

ANCHOR DETAILS			
SUBSTRATE	ANCHOR	MIN. EDGE DISTANCE	MIN. EMBEDMENT
WOOD OR 2X BUCK	#10 WOOD SCREW	1/2"	1 1/4" SEE NOTE 17D SHEET 1
METAL STRUCTURE	#10 SMS OR SELF DRILLING SCREW	1/2"	SEE NOTE 15 SHEET 1
CONCRETE/MASONRY	1/4" TAPCON	2"	1 1/4"



NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

**NW TILT TURN AND FIXED MULLED UNITS
NON-IMPACT
INSTALLATION DETAILS**

DRAWN:
A.R.

DWG NO.
08-04097

REV
-

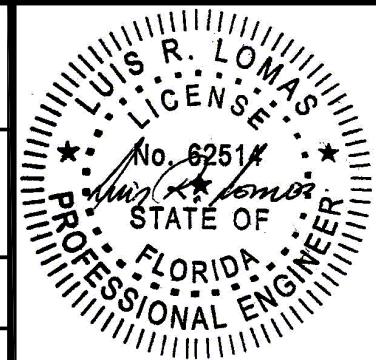
SCALE
NTS

DATE
11/20/2024

SHEET
5 OF 10

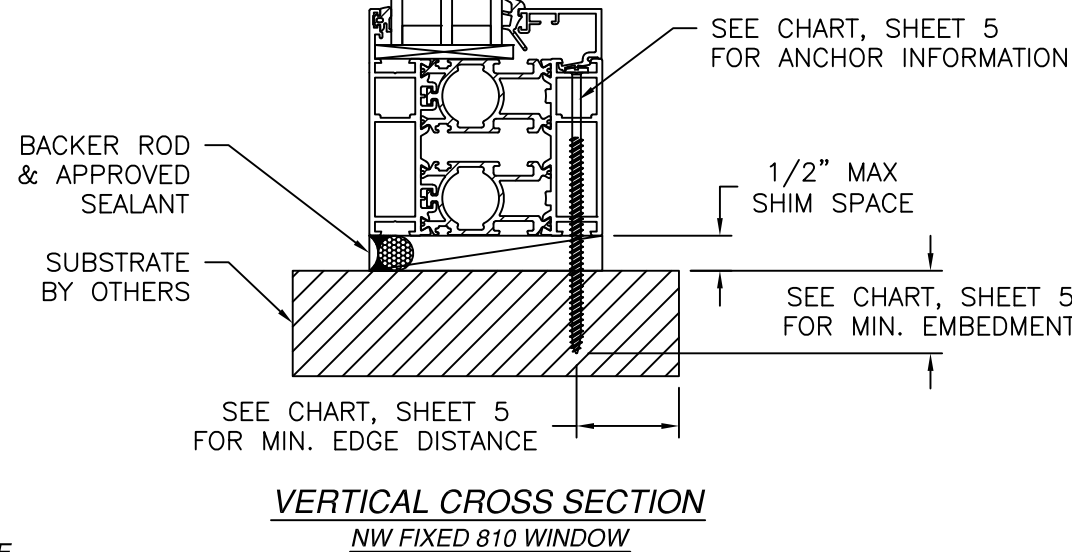
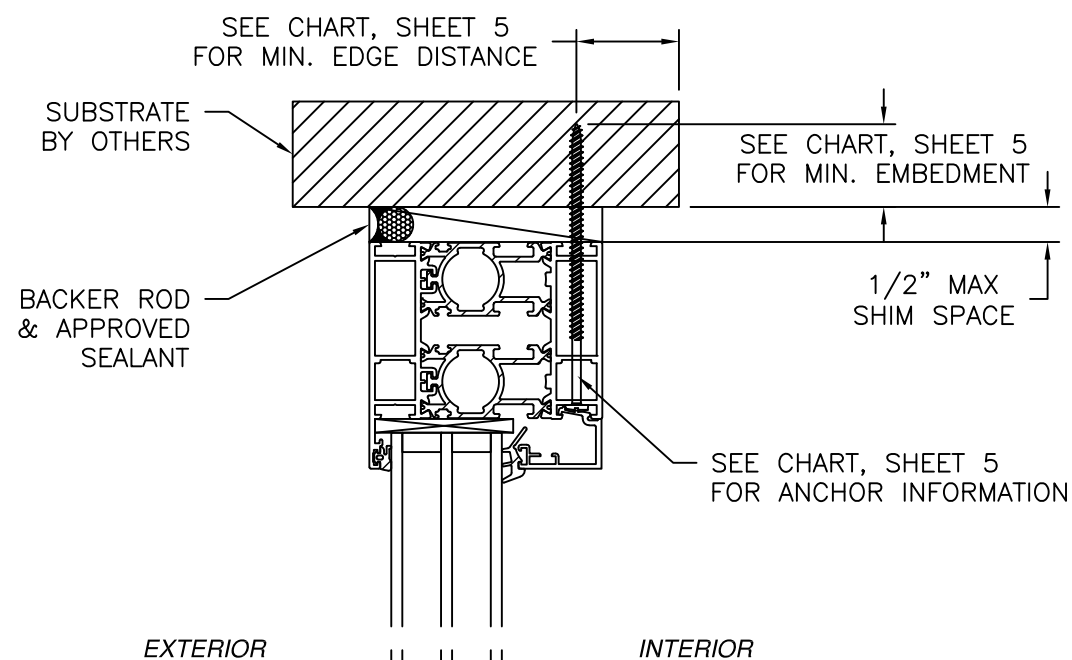
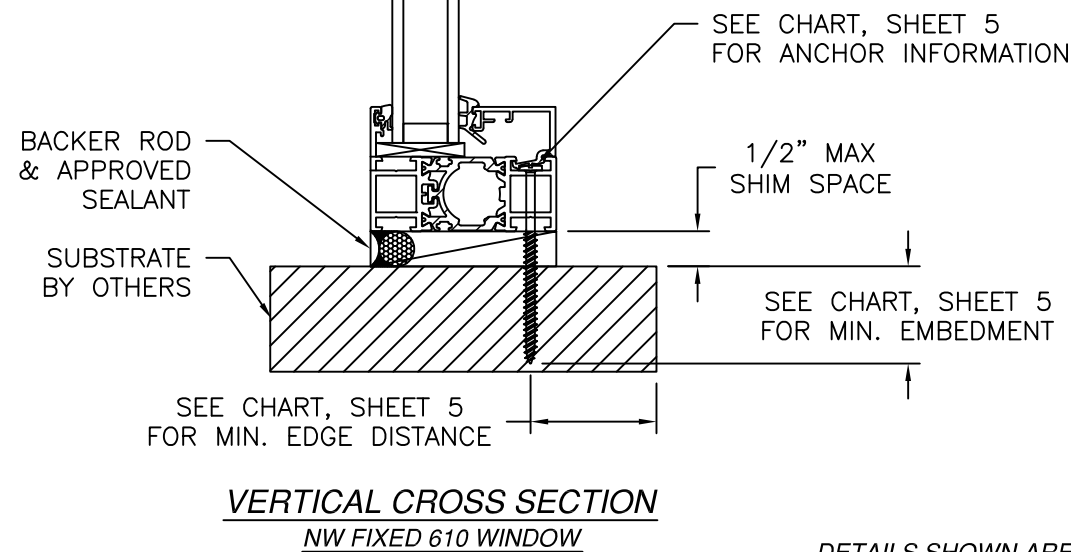
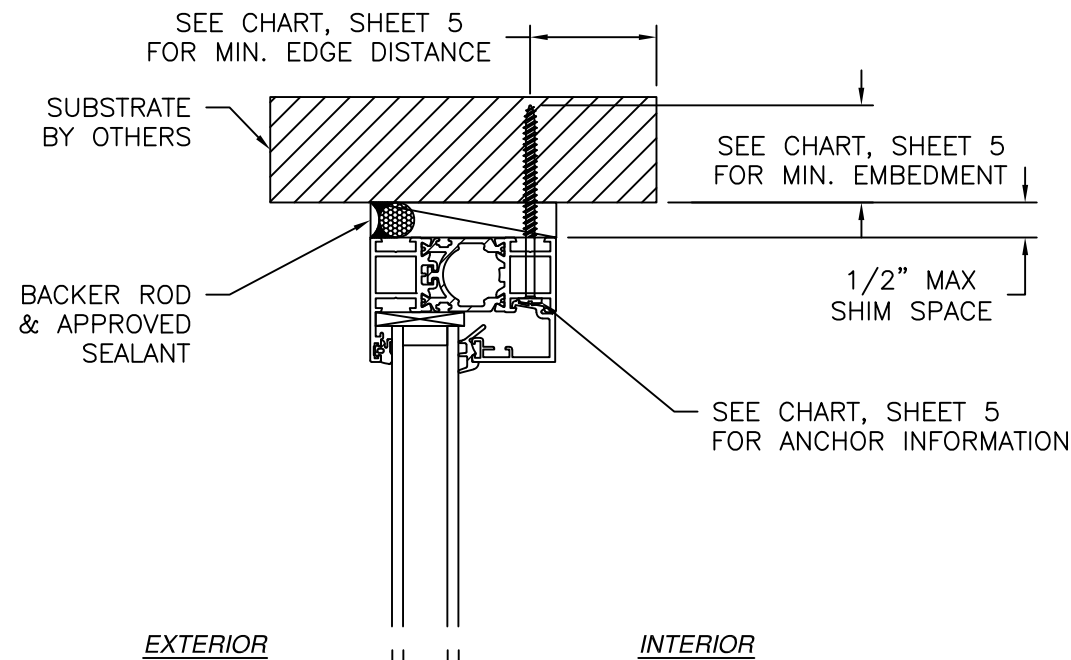
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 06/30/2026



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

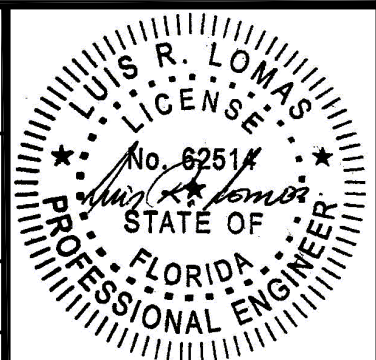


- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

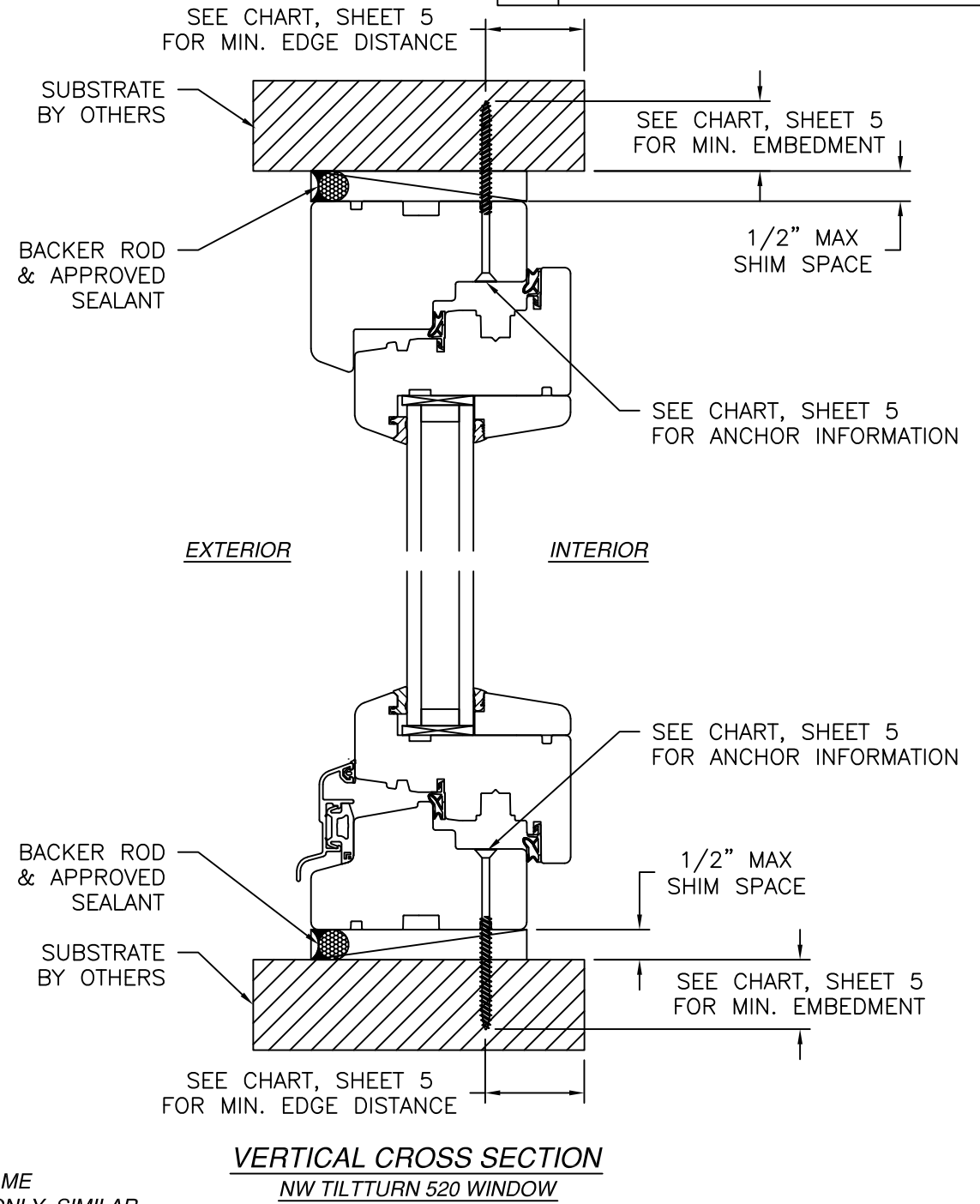
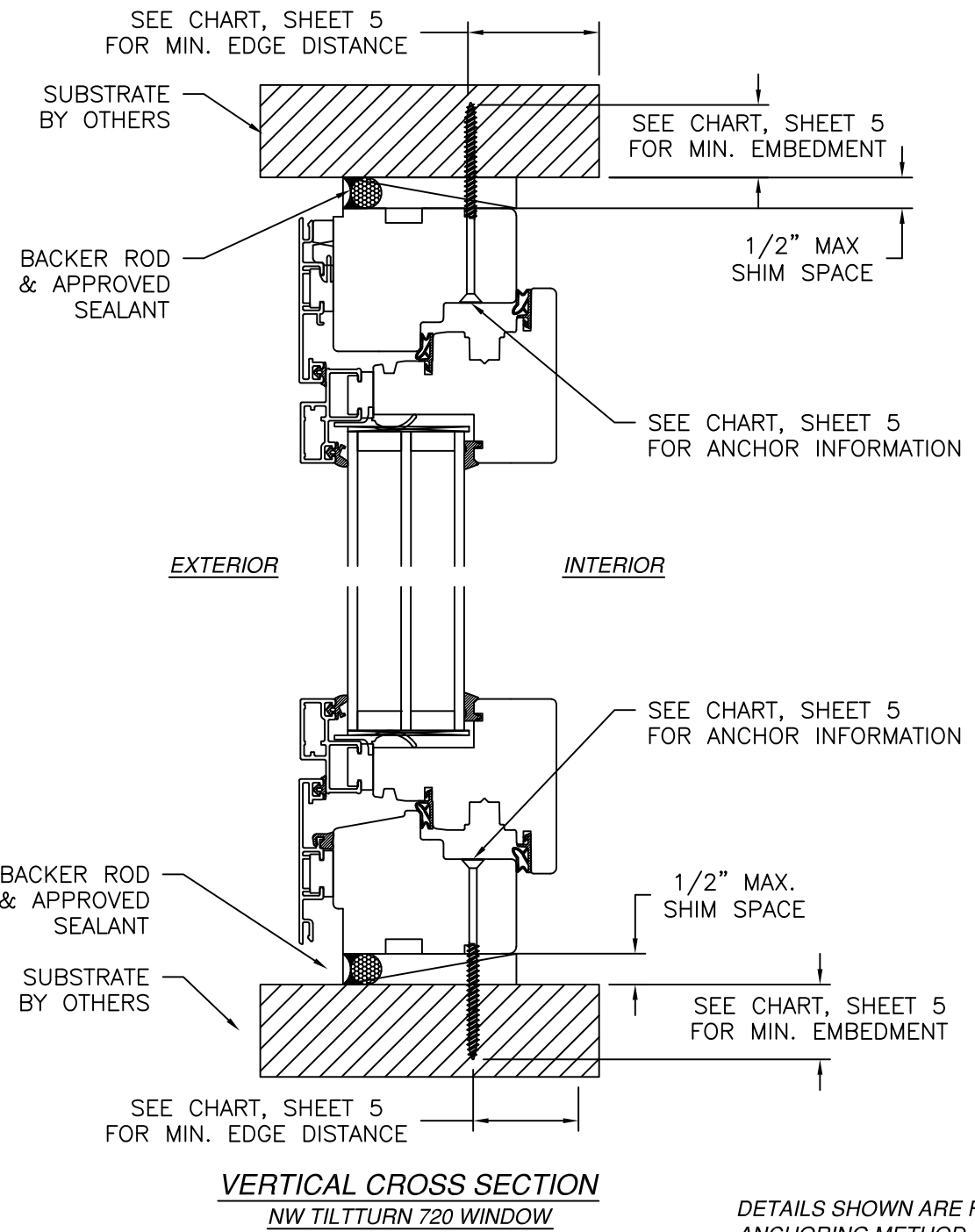
DETAILS SHOWN ARE FOR THROUGH FRAME ANCHORING METHOD AT MULLED AREA ONLY. SIMILAR ANCHORING LOCATIONS SHOWN ON SHEET 4 FOR MULLED AREA WILL BE APPLICABLE FOR FLAT CLIP AND ANGLE ANCHORING METHODS. FOR ANCHORING UNITS PERIMETER TO BUILDING STRUCTURE FOR ALL 3 ANCHORING METHODS, REFER TO THE INDIVIDUAL UNITS FL PRODUCT APPROVALS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
NW TILT TURN AND FIXED MULLED UNITS NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04097	REV -
SCALE NTS	DATE 11/20/2024	SHEET 6 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 06/30/2026



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



DETAILS SHOWN ARE FOR THROUGH FRAME ANCHORING METHOD AT MULLED AREA ONLY. SIMILAR ANCHORING LOCATIONS SHOWN ON SHEET 4 FOR MULLED AREA WILL BE APPLICABLE FOR FLAT CLIP AND ANGLE ANCHORING METHODS. FOR ANCHORING UNITS PERIMETER TO BUILDING STRUCTURE FOR ALL 3 ANCHORING METHODS, REFER TO THE INDIVIDUAL UNITS FL PRODUCT APPROVALS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

- 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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

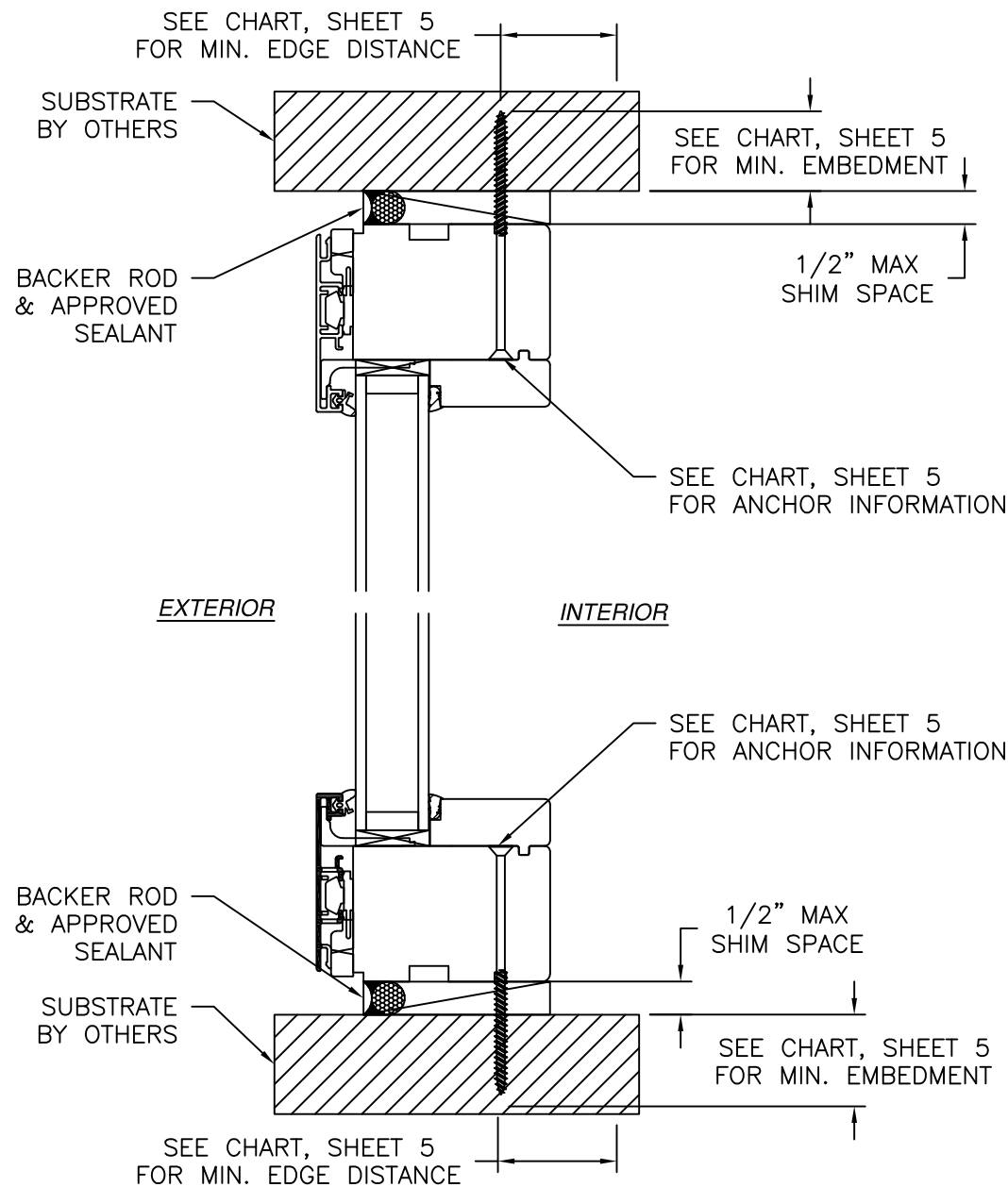
**NW TILT TURN AND FIXED MULLED UNITS
NON-IMPACT
INSTALLATION DETAILS**

DRAWN: A.R.	DWG NO. 08-04097	REV —
SCALE NTS	DATE 11/20/2024	SHEET 7 OF 10

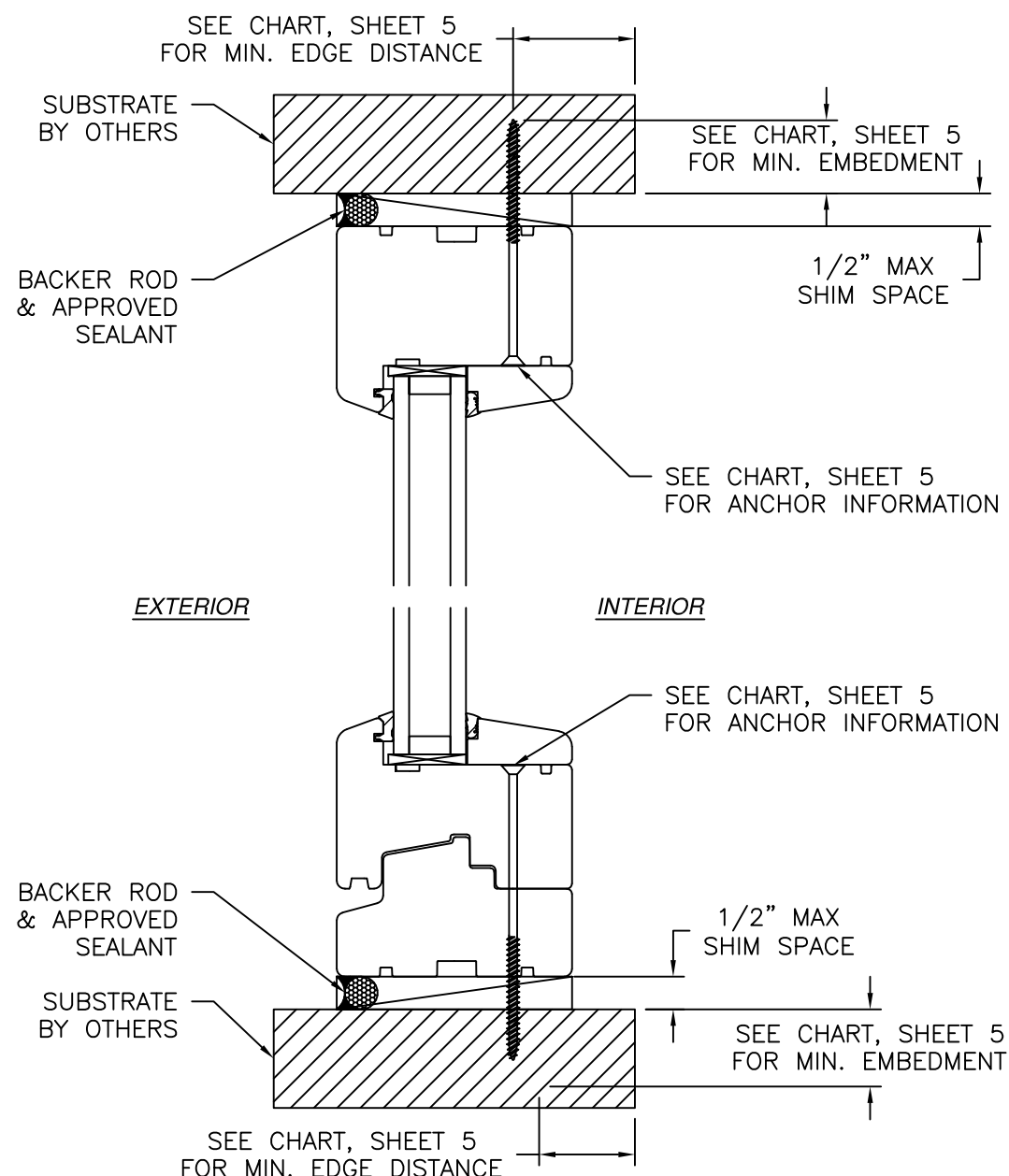
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 06/30/2026

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



VERTICAL CROSS SECTION
NW FIXED 710 WINDOW



VERTICAL CROSS SECTION
NW FIXED 510 WINDOW

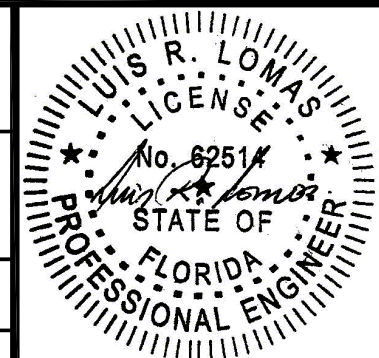
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

DETAILS SHOWN ARE FOR THROUGH FRAME ANCHORING METHOD AT MULLED AREA ONLY. SIMILAR ANCHORING LOCATIONS SHOWN ON SHEET 4 FOR MULLED AREA WILL BE APPLICABLE FOR FLAT CLIP AND ANGLE ANCHORING METHODS. FOR ANCHORING UNITS PERIMETER TO BUILDING STRUCTURE FOR ALL 3 ANCHORING METHODS, REFER TO THE INDIVIDUAL UNITS FL PRODUCT APPROVALS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

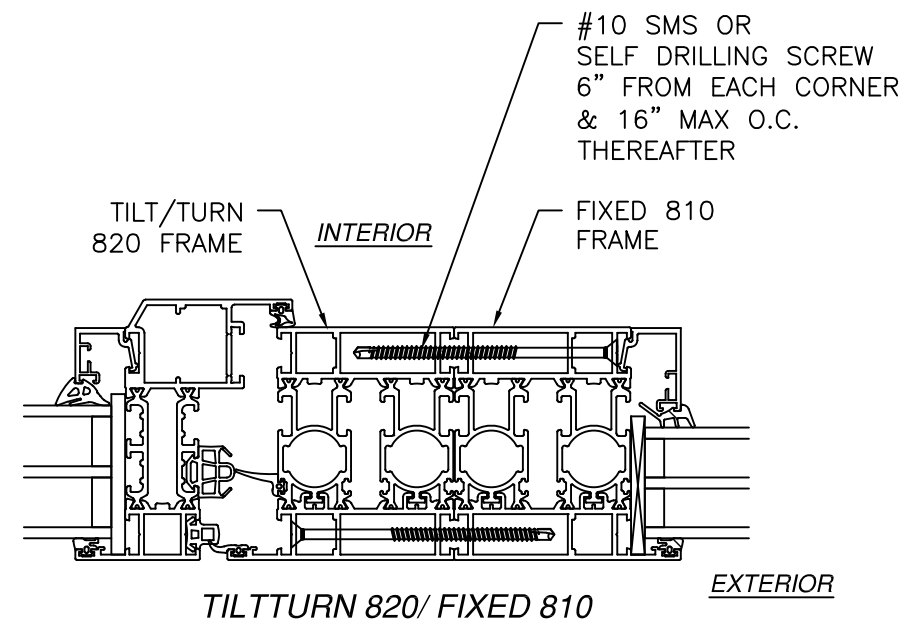
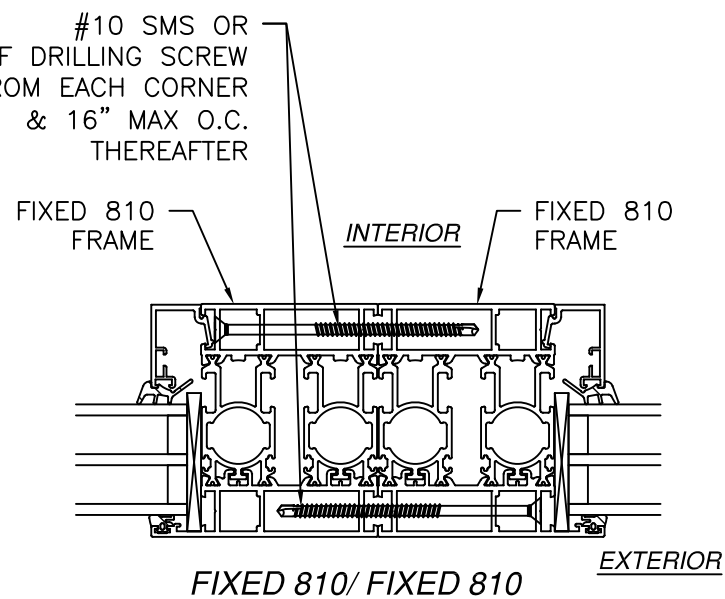
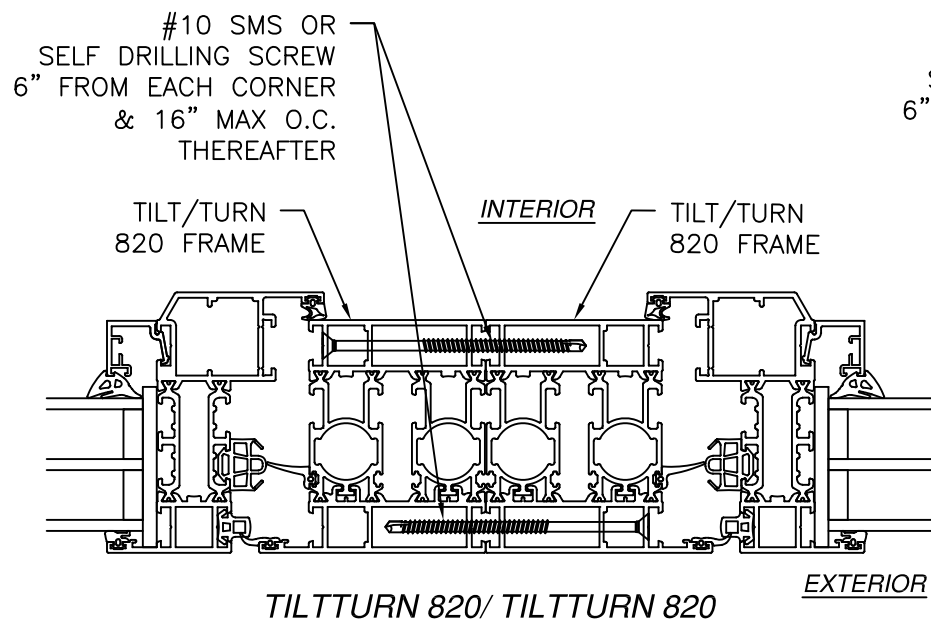
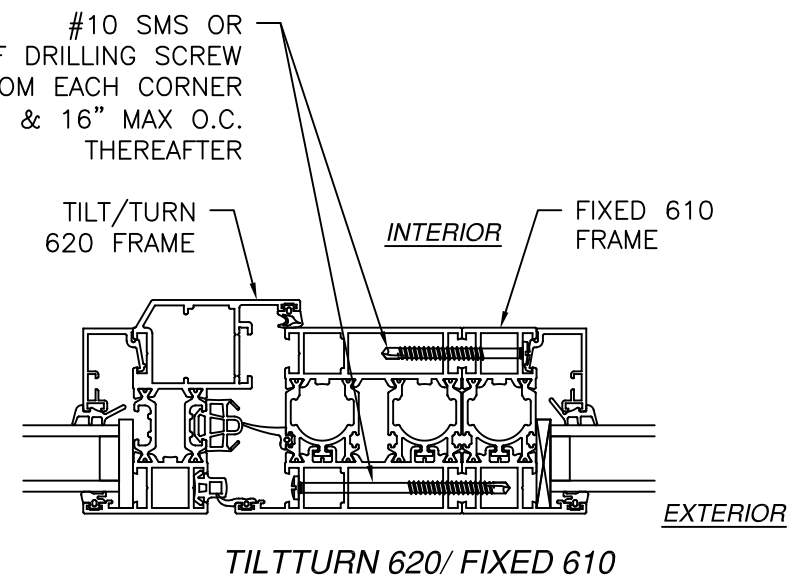
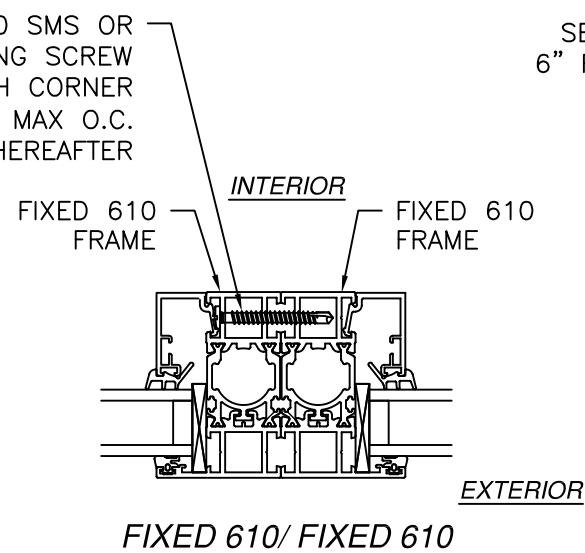
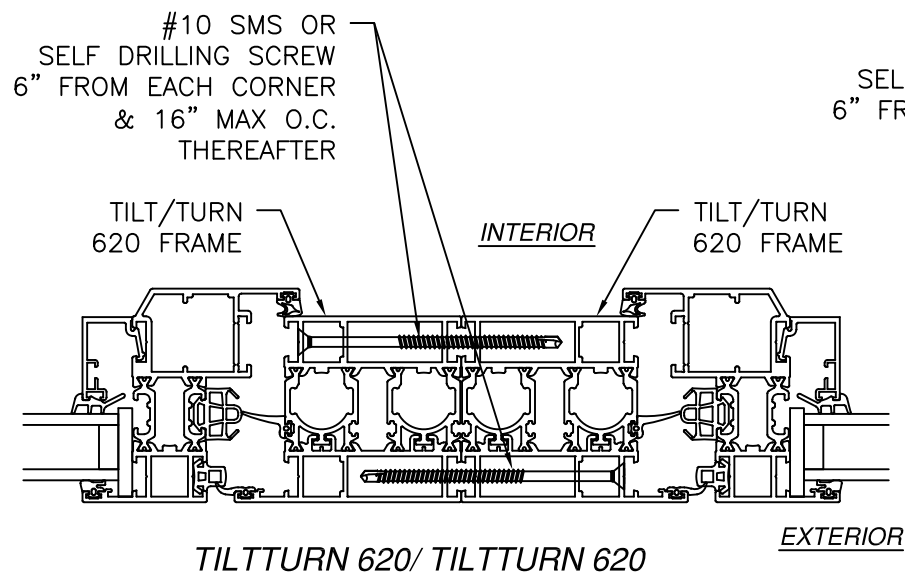
NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
NW TILT TURN AND FIXED MULLED UNITS NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04097	REV -
SCALE NTS	DATE 11/20/2024	SHEET 8 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 06/30/2026



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

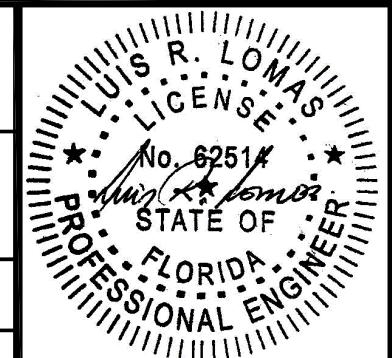
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



MULL AREA CROSS SECTIONS
**ANCHORS TO BE STAGGERED BETWEEN INNER AND
OUTER TRACKS**

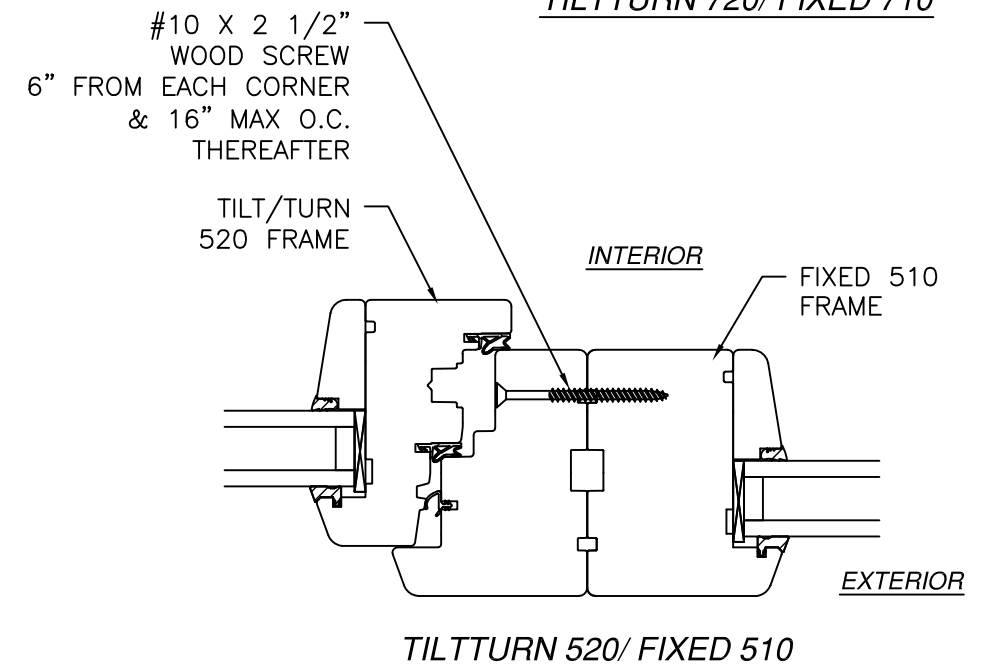
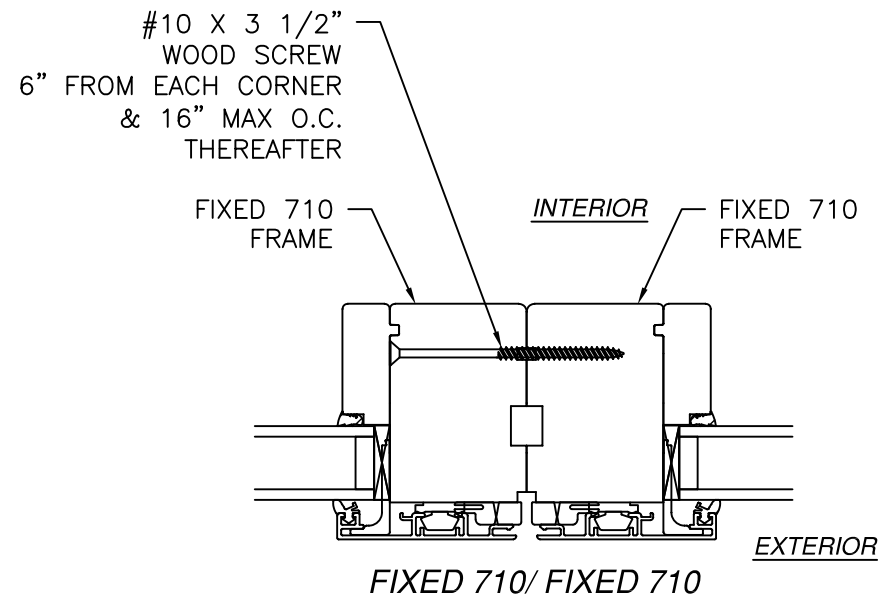
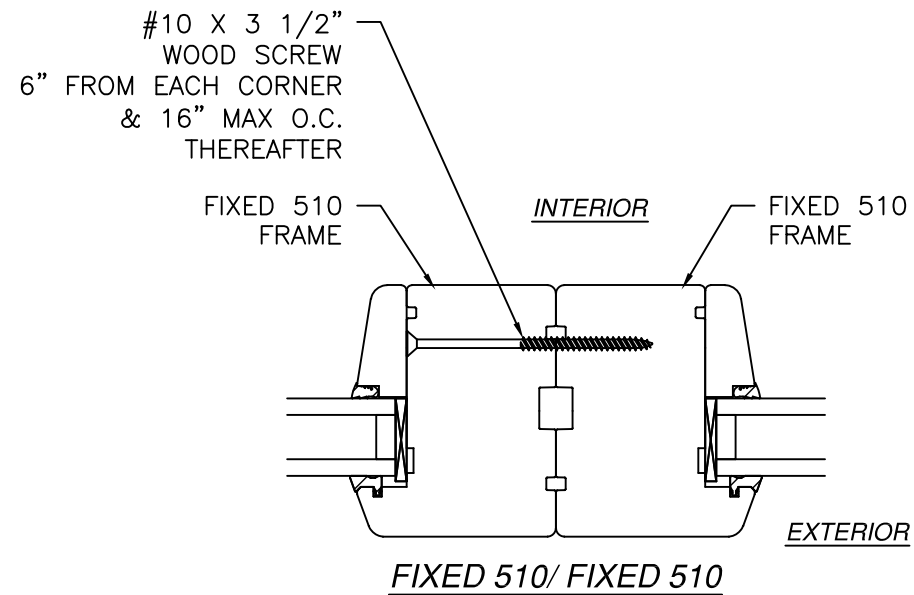
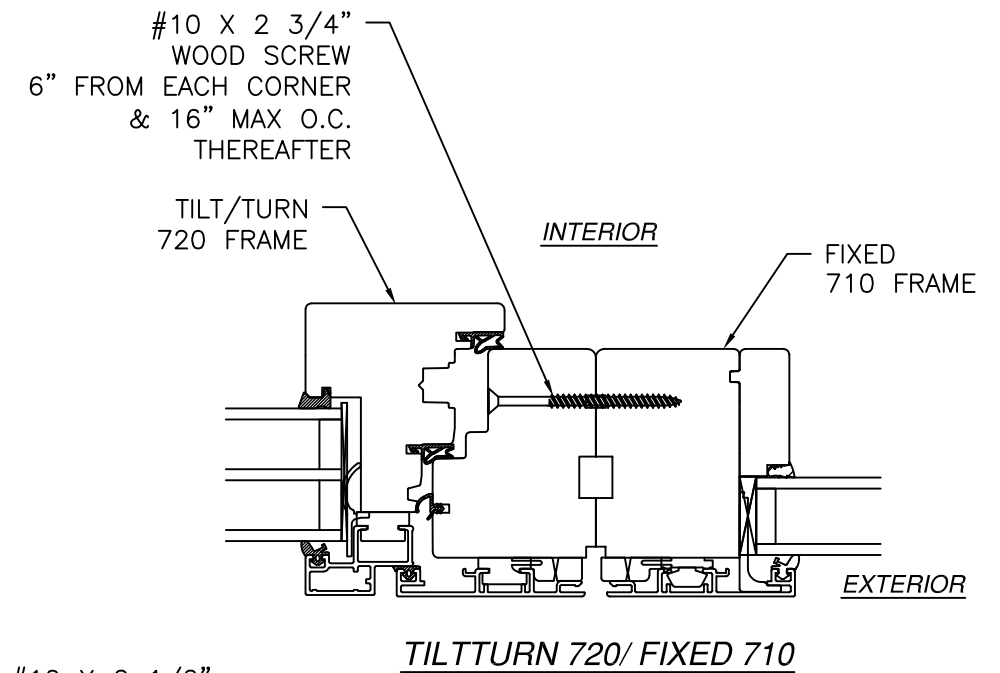
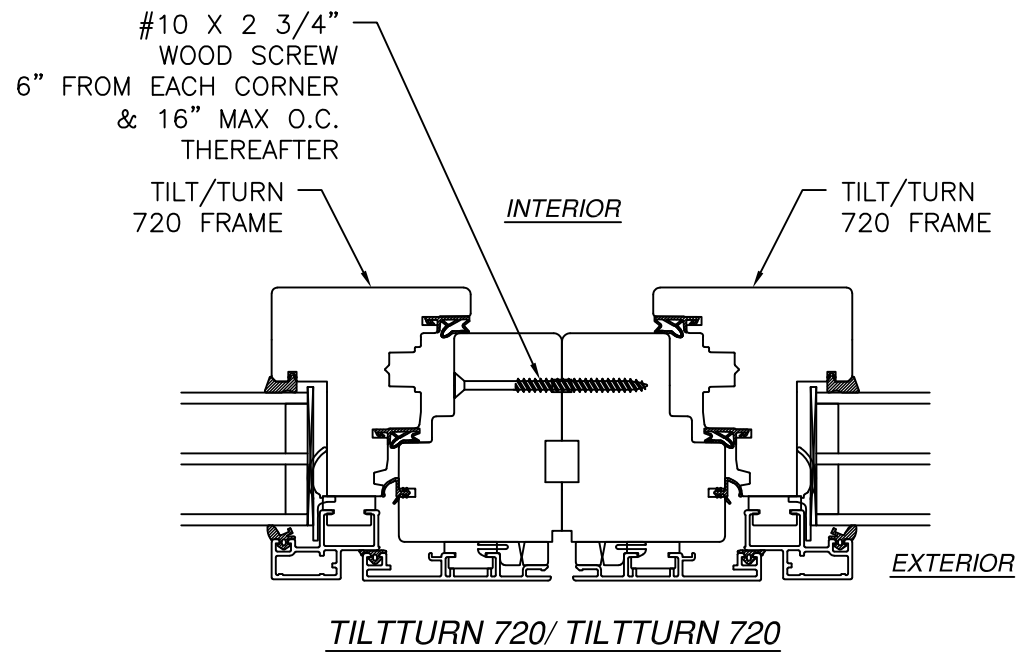
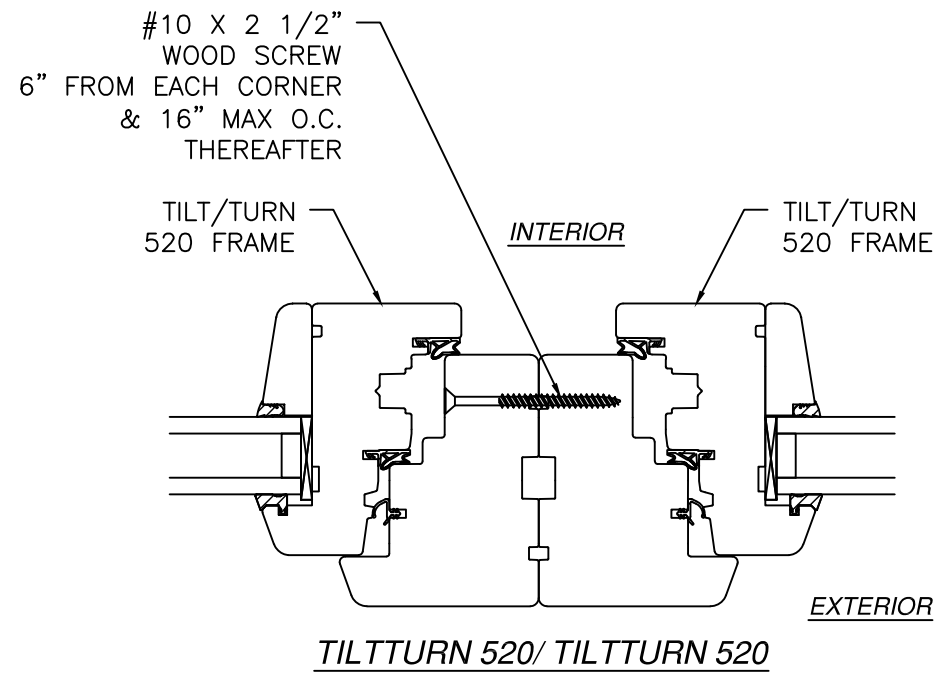
SIGNED: 06/30/2026

NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
NW TILT TURN AND FIXED MULLED UNITS NON-IMPACT MULL AREA CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-04097	REV -
SCALE NTS	DATE 11/20/2024	SHEET 9 OF 10
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



MULL AREA CROSS SECTIONS

SIGNED: 06/30/2026

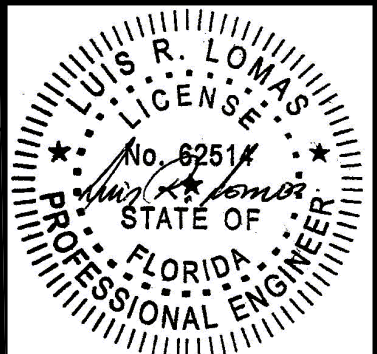
NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

NW TILT TURN AND FIXED MULLED UNITS
NON-IMPACT
MULL AREA CROSS SECTIONS

DRAWN: A.R.	DWG NO. 08-04097	REV -
SCALE NTS	DATE 11/20/2024	SHEET 10 OF 10

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