

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHORS	06/08/26	R.L.

- NOTES:
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 - 2. 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. WIND LOAD DURATION FACTOR $C_d=1.6$ WAS USED FOR WOOD ANCHOR CALCULATIONS.
 - 4. VS1 MULLION MATERIAL: EXTRUDED ALUMINUM 6005A-T5.
 - 5. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.
 - 6. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 - 7. FOR ANCHORING UNIT TO BUILDING REFER TO SHEETS 4 AND 5.
 - 8. ALL FASTENERS TO BE CORROSION RESISTANT ACCORDING TO CHAPTER 17 OF THE FBC.
 - 9. 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:
 - 9.A. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 9.B. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH $F_m=2,000\text{PSI}$ MINIMUM.
 - 9.C. METAL STRUCTURE: STEEL 1/4" MINIMUM THICKNESS, $F_y=33\text{KSI}/F_u=52\text{KSI}$

SIGNED: 06/08/2026

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INNOVATION GLASS LLC
40 LANGRIDGE ROAD
TIVOLI, NY 12583

VS-1 GLAZED WALL SYSTEM
NON-IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08-04118

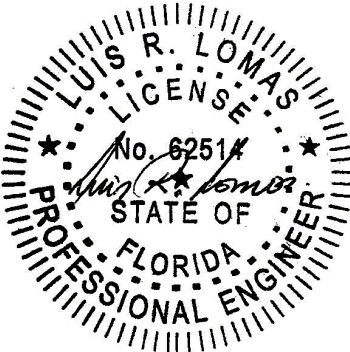
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SCALE NTS

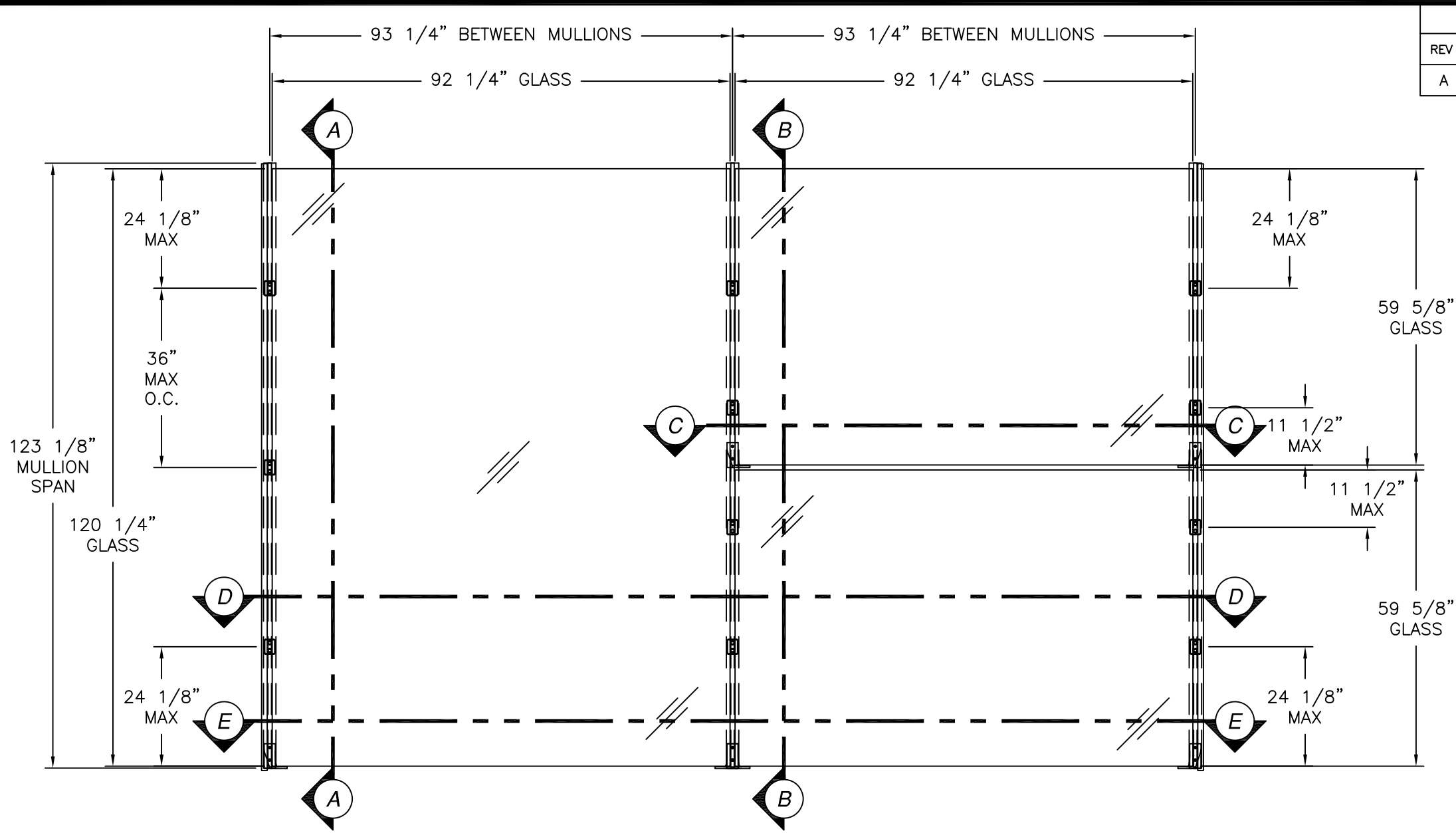
DATE 08/12/25

SHEET 1 OF 7

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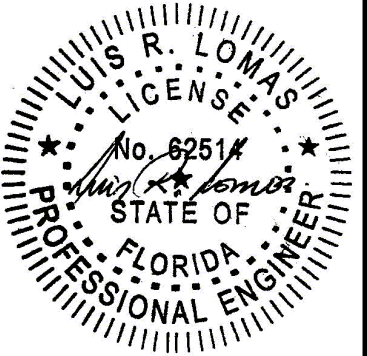
VS-1 GLAZED WALL SYSTEM

DESIGN PRESSURE RATING	IMPACT RATING
+55.0/-67.0PSF	NONE

FOR ADDITIONAL SIZES SEE CHART#1 PAGE 3

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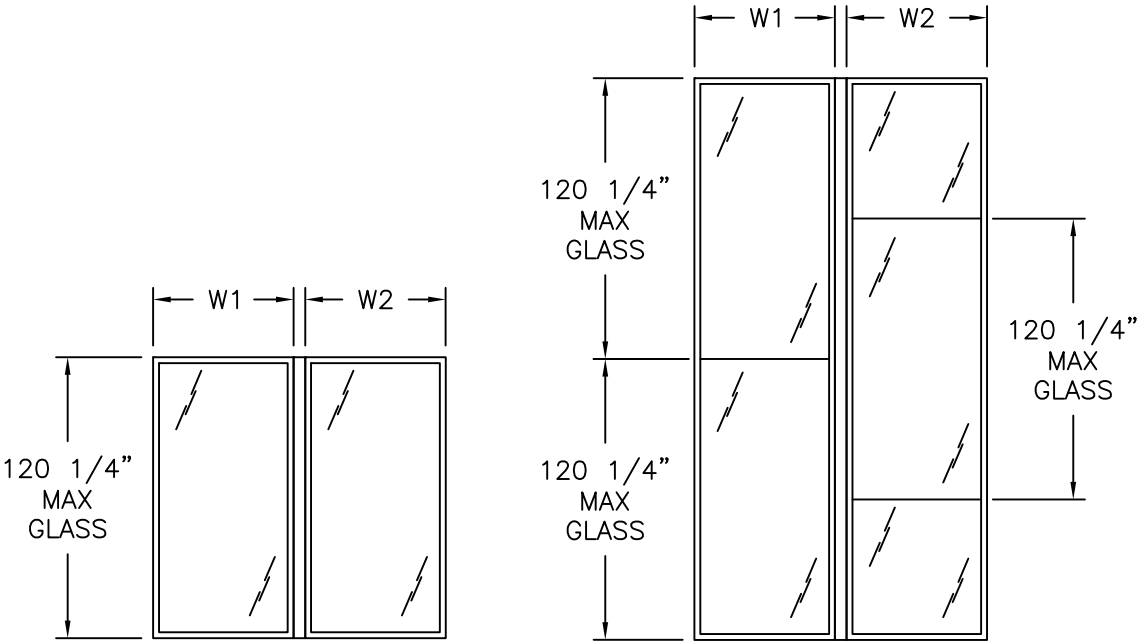
INNOVATION GLASS LLC 40 LANGRIDGE ROAD TIVOLI, NY 12583		
VS-1 GLAZED WALL SYSTEM NON-IMPACT ELEVATION		
DRAWN: R.L.	DWG NO. 08-04118	REV A
SCALE NTS	DATE 08/12/25	SHEET 2 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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Chart #1, ratings (psf)																						
Panel Height (in)	Tributary Width (in)																					
	42.00		48.00		54.00		60.00		66.00		72.00		78.00		84.00		90.00		92.25		96.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
72.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5
78.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	99.3
84.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	98.3	55.0	95.9	55.0	92.2
90.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	98.3	55.0	91.8	55.0	89.5	55.0	86.0
96.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	99.3	55.0	92.2	55.0	86.0	55.0	83.9	55.0	80.7
102.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	93.4	55.0	86.8	55.0	81.0	55.0	79.0	55.0	75.9
108.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	95.6	55.0	88.2	55.0	81.9	55.0	76.5	55.0	74.6	55.0	71.7
114.00	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	98.8	55.0	90.6	55.0	83.6	55.0	77.6	55.0	72.4	55.0	70.7	55.0	67.9
120.25	55.0	100.5	55.0	100.5	55.0	100.5	55.0	100.5	55.0	93.7	55.0	85.8	55.0	79.2	55.0	73.6	55.0	68.7	55.0	67.0	52.9	64.4
126.00	55.0	100.5	55.0	100.5	55.0	99.5	55.0	89.5	55.0	81.4	55.0	74.6	55.0	68.9	52.5	64.0	49.0	59.7	47.8	58.2	45.9	56.0
132.00	55.0	100.5	55.0	97.4	55.0	86.5	55.0	77.9	55.0	70.8	53.3	64.9	49.2	59.9	45.7	55.6	42.6	51.9	41.6	50.7	40.0	48.7
138.00	55.0	97.4	55.0	85.2	55.0	75.7	55.0	68.2	50.9	62.0	46.6	56.8	43.0	52.4	40.0	48.7	37.3	45.4	36.4	44.3	35.0	42.6
144.00	55.0	85.7	55.0	75.0	54.7	66.7	49.2	60.0	44.8	54.5	41.0	50.0	37.9	46.1	35.2	42.9	32.8	40.0	32.0	39.0	30.8	37.5
150.00	55.0	75.8	54.5	66.3	48.4	59.0	43.6	53.1	39.6	48.3	36.3	44.2	33.5	40.8	31.1	37.9	29.0	35.4	28.3	34.5	27.2	33.2
156.00	55.0	67.4	48.4	59.0	43.0	52.4	38.7	47.2	35.2	42.9	32.3	39.3	29.8	36.3	27.7	33.7	25.8	31.5	25.2	30.7	24.2	29.5
162.00	49.4	60.2	43.2	52.7	38.4	46.8	34.6	42.1	31.4	38.3	28.8	35.1	26.6	32.4	24.7	30.1	23.1	28.1	22.5	27.4	21.6	26.3
168.00	44.3	54.0	38.8	47.2	34.5	42.0	31.0	37.8	28.2	34.3	25.8	31.5	23.9	29.1	22.2	27.0	20.7	25.2	20.2	24.6	19.4	23.6
174.00	39.9	48.6	34.9	42.5	31.0	37.8	27.9	34.0	25.4	30.9	23.3	28.3	21.5	26.2	19.9	24.3	18.6	22.7	18.2	22.1	17.4	21.3
180.00	36.0	43.9	31.5	38.4	28.0	34.1	25.2	30.7	22.9	27.9	21.0	25.6	19.4	23.6	18.0	21.9	16.8	20.5	16.4	20.0	15.8	19.2
186.00	32.6	39.8	28.6	34.8	25.4	30.9	22.9	27.8	20.8	25.3	19.0	23.2	17.6	21.4	16.3	19.9	15.2	18.6	-	-	-	-
192.00	29.7	36.2	26.0	31.6	23.1	28.1	20.8	25.3	18.9	23.0	17.3	21.1	16.0	19.5	-	-	-	-	-	-	-	-
198.00	27.1	33.0	23.7	28.8	21.0	25.6	18.9	23.1	17.2	21.0	15.8	19.2	-	-	-	-	-	-	-	-	-	-
204.00	24.7	30.1	21.7	26.4	19.2	23.4	17.3	21.1	15.7	19.2	-	-	-	-	-	-	-	-	-	-	-	-
210.00	22.7	27.6	19.8	24.2	17.6	21.5	15.9	19.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216.00	20.8	25.4	18.2	22.2	16.2	19.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
222.00	19.2	23.4	16.8	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
228.00	17.7	21.6	15.5	18.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
234.00	16.4	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240.00	15.2	18.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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APPROVED CONFIGURATIONS

TWIN 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

- 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 PANEL HEIGHT AND TRIBUTARY WIDTH. AT THE INTERSECTION OF ROW AND COLUMN CONTAINING PANEL HEIGHT AND TRIBUTARY WIDTH RESPECTIVELY IS THE RATING FOR PRODUCT IN STEP 2. MULLION RATING MUST BE EQUAL OR GREATER THAN REQUIRED DESIGN PRESSURE OBTAINED IN STEP 1.

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

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INNOVATION GLASS LLC
40 LANGRIDGE ROAD
TIVOLI, NY 12583

VS-1 GLAZED WALL SYSTEM
NON-IMPACT
APPROVED CONFIGURATIONS & DP CHART

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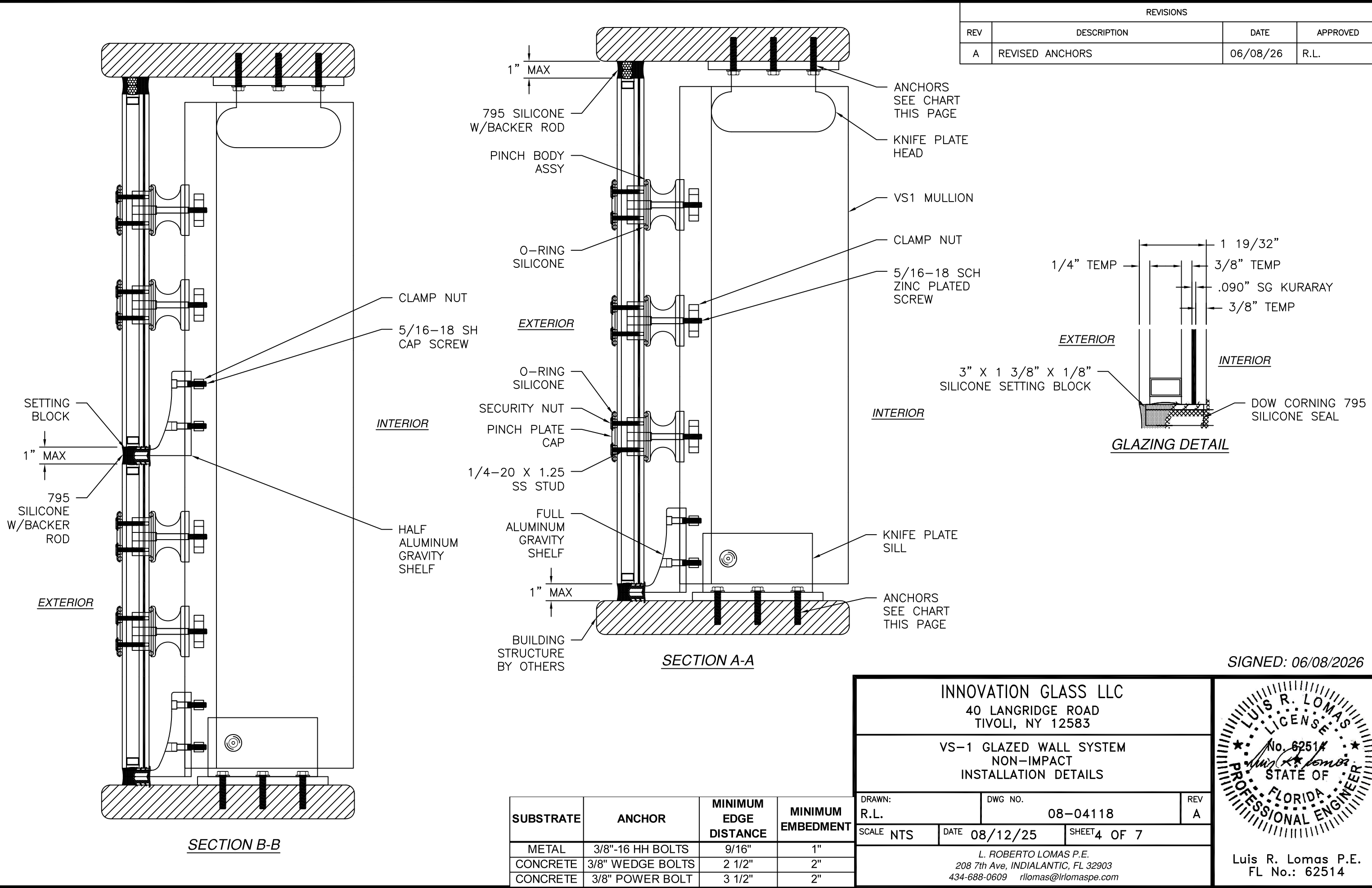
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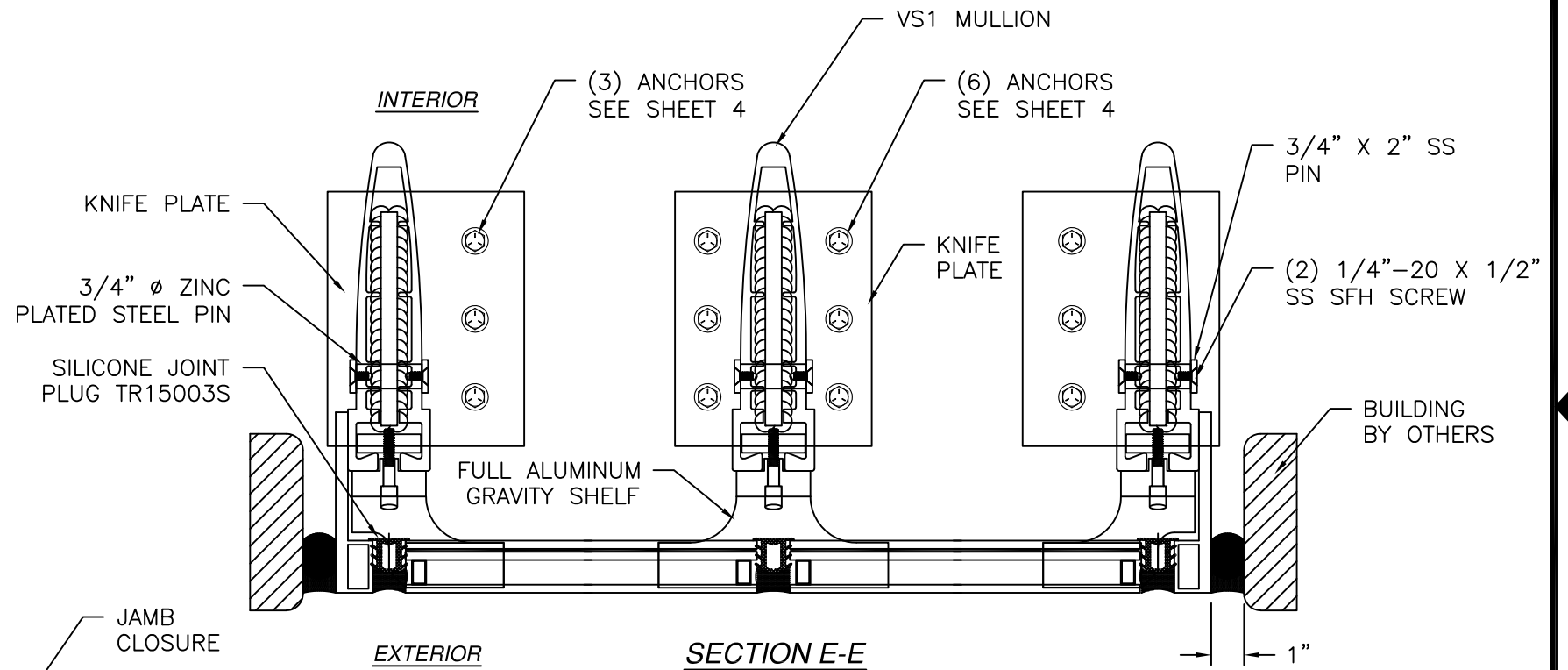
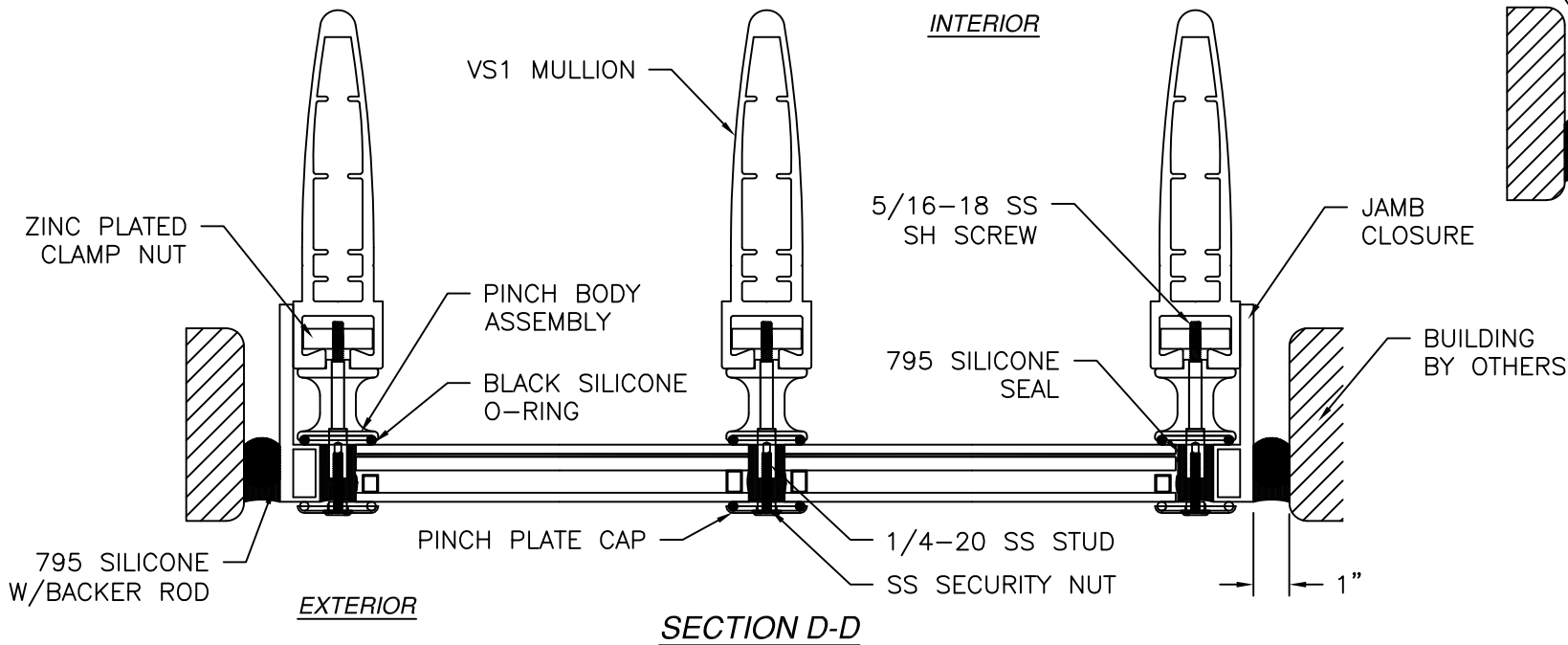
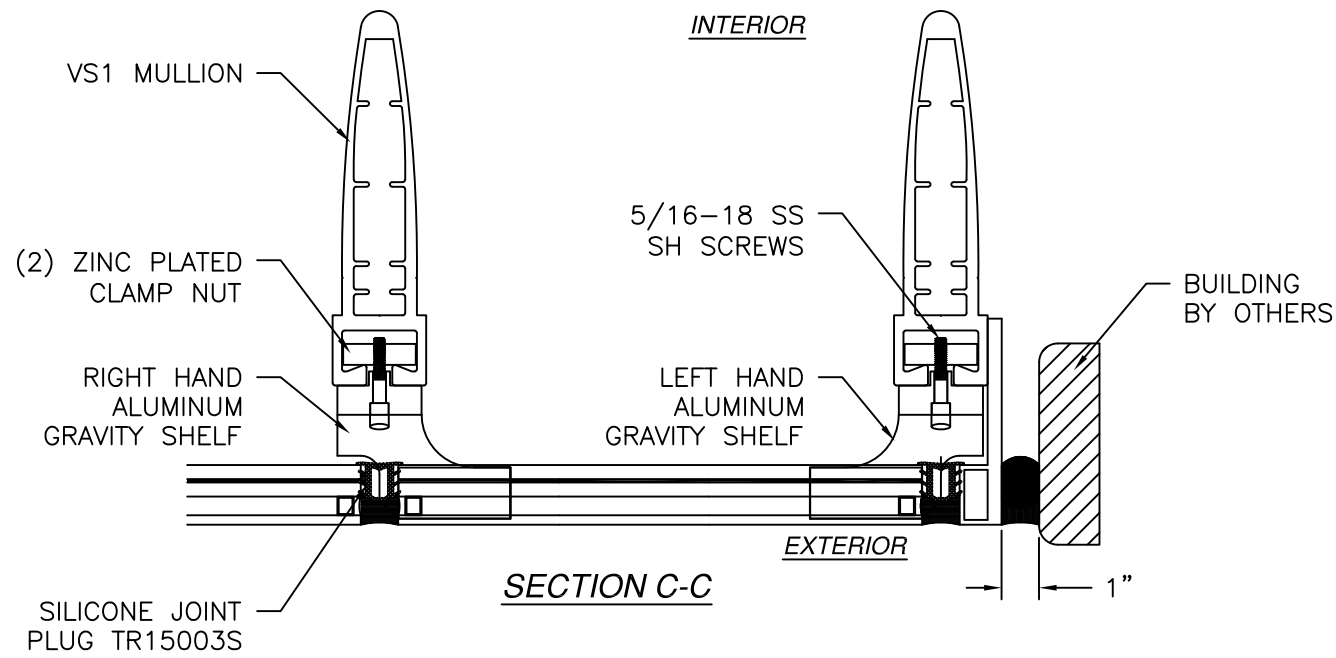
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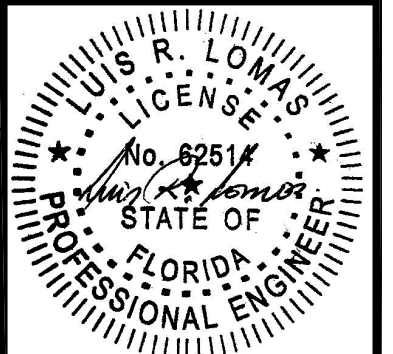
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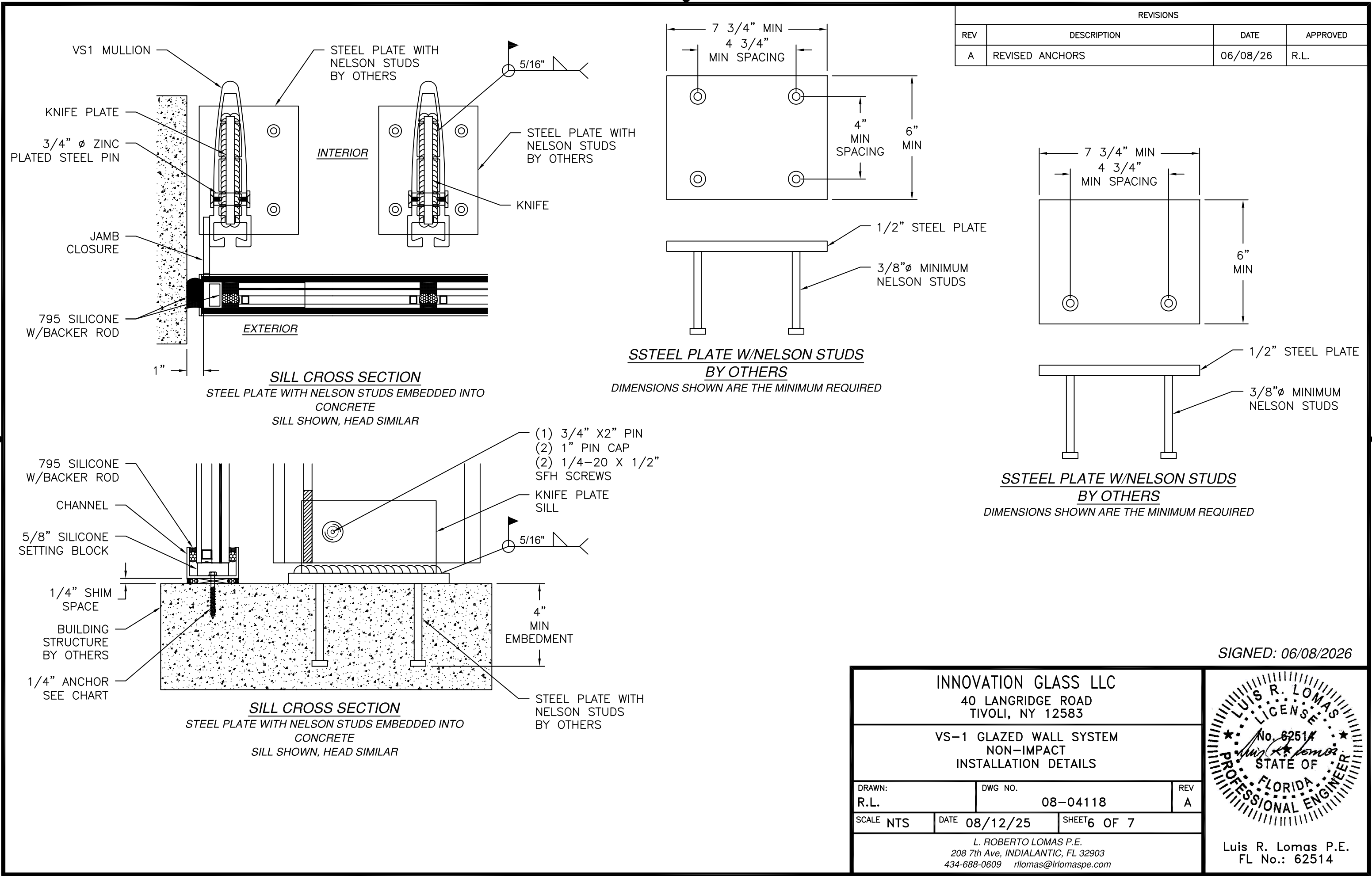
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NON-IMPACT
INSTALLATION DETAILS

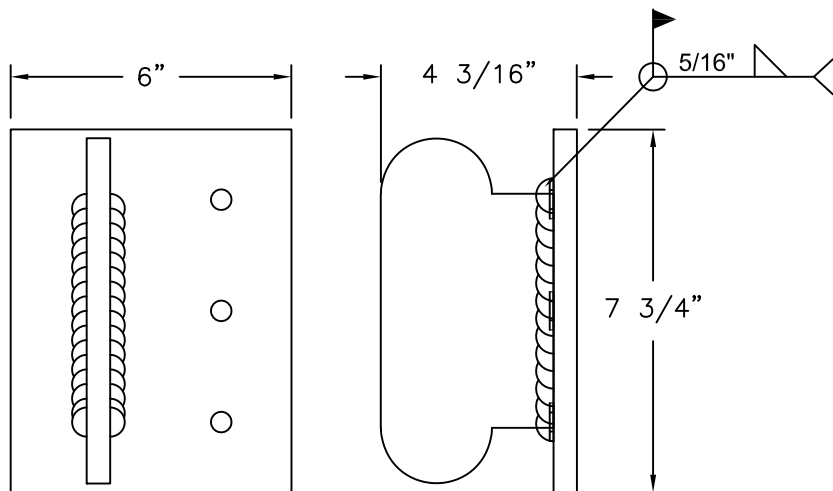
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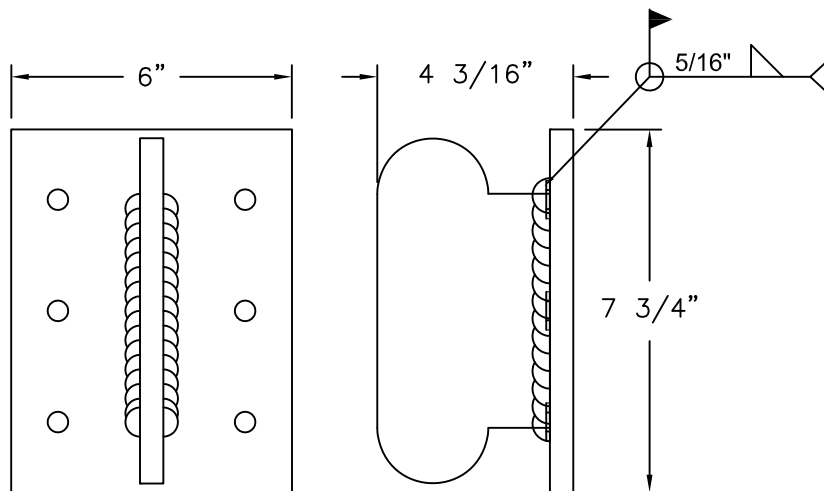


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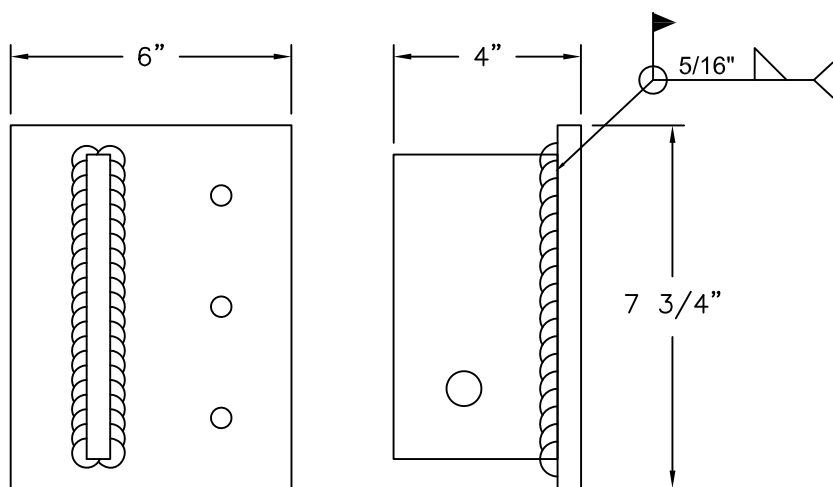
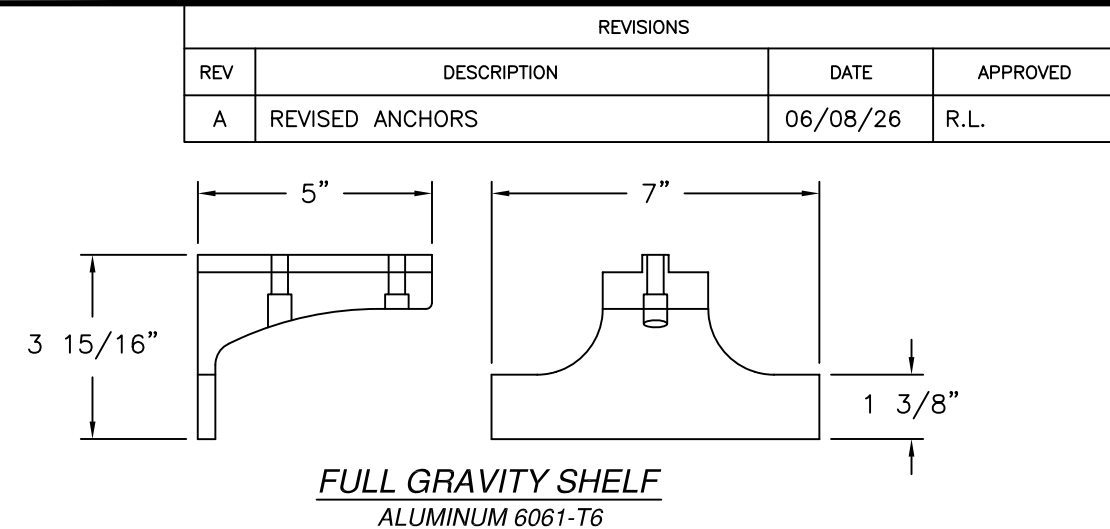




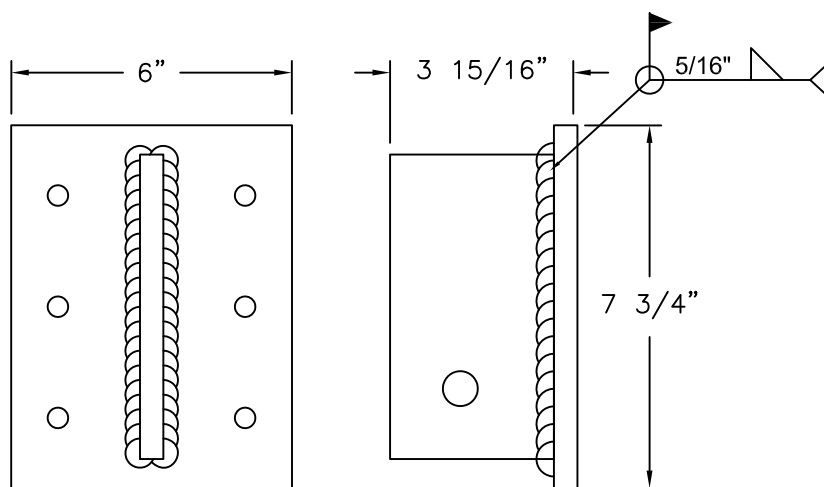
KNIFE PLATE, HEAD
1/2" A36 STEEL



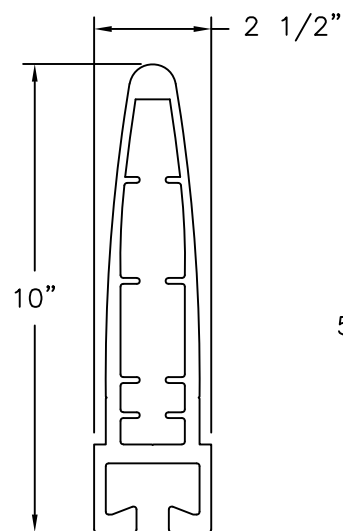
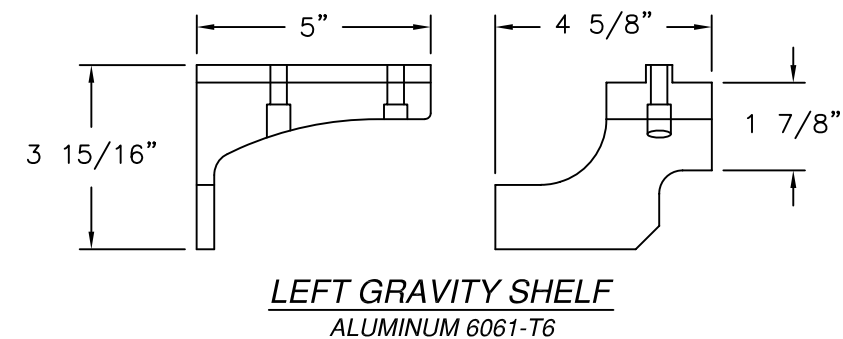
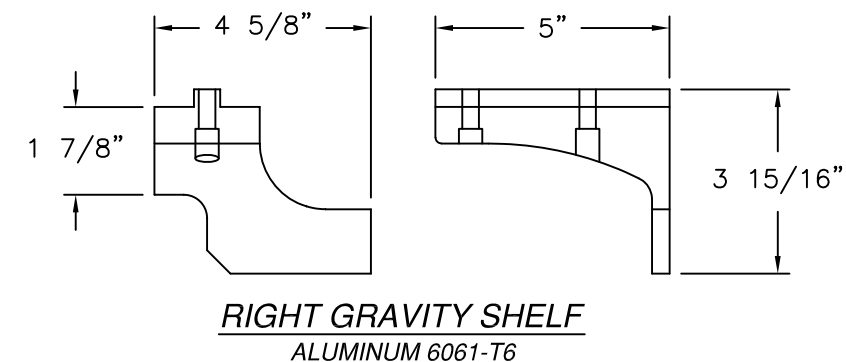
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1/2" A36 STEEL



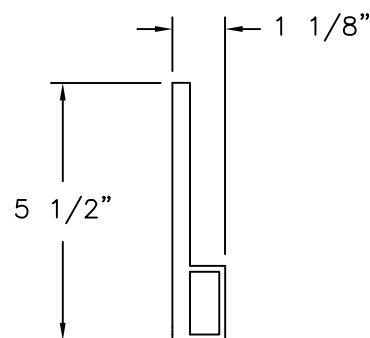
KNIFE PLATE, SILL
1/2" A36 STEEL



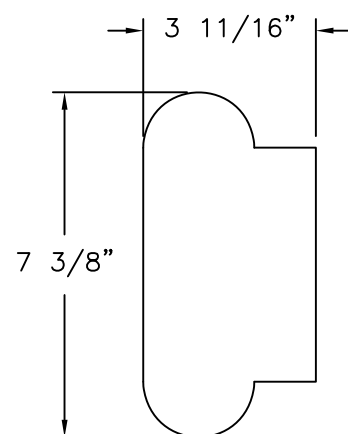
KNIFE PLATE, SILL
1/2" A36 STEEL



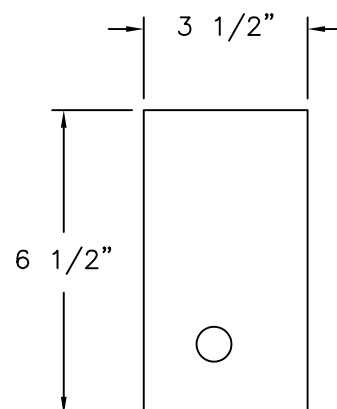
VS-1 MULLION
ALUMINUM 6005-T5



JAMB CLOSURE
ALUMINUM 6005-T5



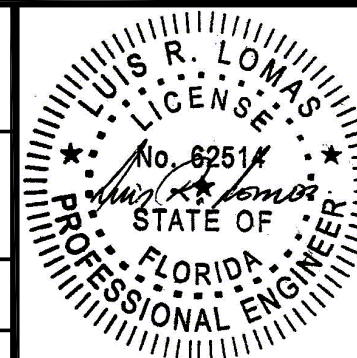
KNIFE PLATE, HEAD
1/2" A36 STEEL
WHEN PLATE WITH NELSON STUDS IS USED



KNIFE PLATE, SILL
1/2" A36 STEEL
WHEN PLATE WITH NELSON STUDS IS USED

INNOVATION GLASS LLC 40 LANGRIDGE ROAD TIVOLI, NY 12583		
VS-1 GLAZED WALL SYSTEM NON-IMPACT COMPONENTS		
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