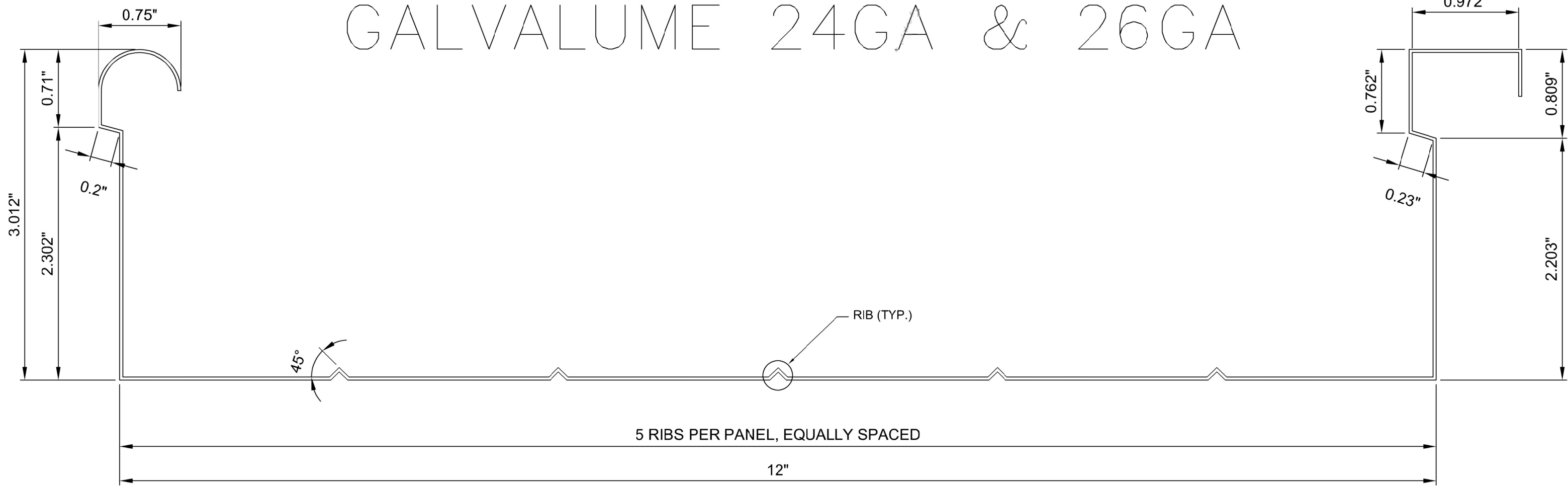


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# 3" RISER ROOF PANELS GALVALUME 24GA & 26GA



| ZONE 3                            |                                               |       |                 |                 |
|-----------------------------------|-----------------------------------------------|-------|-----------------|-----------------|
| Exposure B                        | ASCE 7-22 Ultimate Design Pressure Span Table |       |                 | 5 Degree        |
| Open Structures (Clear Wind Flow) |                                               |       |                 |                 |
| Wind Speed                        | Design Pressure/Suction                       |       | 26GA Span (ft). | 24GA Span (ft). |
| 110                               | 37.7                                          | 50.2  | 11.6            | 12.5            |
| 120                               | 44.9                                          | 59.7  | 10.9            | 11.8            |
| 130                               | 52.7                                          | 70.0  | 10.4            | 11.2            |
| 140                               | 61.1                                          | 81.3  | 9.9             | 10.6            |
| 150                               | 70.2                                          | 93.3  | 9.4             | 10.1            |
| 160                               | 79.8                                          | 106.1 | 9.0             | 9.7             |

| ZONE 3                                                            |                                               |       |                 |                 |
|-------------------------------------------------------------------|-----------------------------------------------|-------|-----------------|-----------------|
| Exposure B                                                        | ASCE 7-22 Ultimate Design Pressure Span Table |       |                 | 5 Degree        |
| Open Structures (Obstructed Wind Flow) & Partially Open Structure |                                               |       |                 |                 |
| Wind Speed                                                        | Design Pressure/Suction                       |       | 26GA Span (ft). | 24GA Span (ft). |
| 110                                                               | 18.0                                          | 59.2  | 11.0            | 11.8            |
| 120                                                               | 21.4                                          | 70.4  | 10.3            | 11.1            |
| 130                                                               | 25.1                                          | 82.6  | 9.8             | 10.6            |
| 140                                                               | 29.2                                          | 95.8  | 9.3             | 10.1            |
| 150                                                               | 33.5                                          | 110.0 | 8.9             | 9.6             |
| 160                                                               | 38.1                                          | 125.2 | 8.5             | 9.2             |

| ZONE 3                            |                                               |      |                 |                 |
|-----------------------------------|-----------------------------------------------|------|-----------------|-----------------|
| Exposure B                        | ASCE 7-22 Ultimate Design Pressure Span Table |      |                 | 1.2 Degree      |
| Open Structures (Clear Wind Flow) |                                               |      |                 |                 |
| Wind Speed                        | Design Pressure/Suction                       |      | 26GA Span (ft). | 24GA Span (ft). |
| 110                               | 32.5                                          | 44.3 | 12.1            | 13.0            |
| 120                               | 38.7                                          | 52.7 | 11.4            | 12.3            |
| 130                               | 45.4                                          | 61.9 | 10.8            | 11.6            |
| 140                               | 52.7                                          | 71.8 | 10.3            | 11.1            |
| 150                               | 60.5                                          | 82.4 | 9.8             | 10.6            |
| 160                               | 68.8                                          | 93.7 | 9.4             | 10.1            |

| ZONE 3                                                            |                                               |       |                 |                 |
|-------------------------------------------------------------------|-----------------------------------------------|-------|-----------------|-----------------|
| Exposure B                                                        | ASCE 7-22 Ultimate Design Pressure Span Table |       |                 | 1.2 Degree      |
| Open Structures (Obstructed Wind Flow) & Partially Open Structure |                                               |       |                 |                 |
| Wind Speed                                                        | Design Pressure/Suction                       |       | 26GA Span (ft). | 24GA Span (ft). |
| 110                                                               | 14.1                                          | 49.4  | 11.6            | 12.5            |
| 120                                                               | 16.8                                          | 58.8  | 11.0            | 11.8            |
| 130                                                               | 19.7                                          | 69.0  | 10.4            | 11.2            |
| 140                                                               | 22.8                                          | 80.0  | 9.9             | 10.7            |
| 150                                                               | 26.2                                          | 91.8  | 9.5             | 10.2            |
| 160                                                               | 29.8                                          | 104.5 | 9.1             | 9.8             |

| ZONE 3                            |                                               |       |                 |                 |
|-----------------------------------|-----------------------------------------------|-------|-----------------|-----------------|
| Exposure C                        | ASCE 7-22 Ultimate Design Pressure Span Table |       |                 | 5 Degree        |
| Open Structures (Clear Wind Flow) |                                               |       |                 |                 |
| Wind Speed                        | Design Pressure/Suction                       |       | 26GA Span (ft). | 24GA Span (ft). |
| 110                               | 55.7                                          | 74.1  | 10.2            | 11.0            |
| 120                               | 66.3                                          | 88.2  | 9.6             | 10.3            |
| 130                               | 77.8                                          | 103.5 | 9.1             | 9.8             |
| 140                               | 90.2                                          | 120.0 | 8.7             | 9.3             |
| 150                               | 103.6                                         | 137.8 | 8.3             | 8.9             |
| 160                               | 117.9                                         | 156.8 | 7.9             | 8.5             |

| ZONE 3                                                            |                                               |       |                 |                 |
|-------------------------------------------------------------------|-----------------------------------------------|-------|-----------------|-----------------|
| Exposure C                                                        | ASCE 7-22 Ultimate Design Pressure Span Table |       |                 | 5 Degree        |
| Open Structures (Obstructed Wind Flow) & Partially Open Structure |                                               |       |                 |                 |
| Wind Speed                                                        | Design Pressure/Suction                       |       | 26GA Span (ft). | 24GA Span (ft). |
| 110                                                               | 26.6                                          | 87.4  | 9.6             | 10.4            |
| 120                                                               | 31.7                                          | 104.0 | 9.1             | 9.8             |
| 130                                                               | 37.2                                          | 122.1 | 8.6             | 9.3             |
| 140                                                               | 43.1                                          | 141.5 | 8.2             | 8.8             |
| 150                                                               | 49.5                                          | 162.5 | 7.8             | 8.4             |
| 160                                                               | 56.3                                          | 184.9 | 7.5             | 8.1             |

| ZONE 3                            |                                               |       |                 |                 |
|-----------------------------------|-----------------------------------------------|-------|-----------------|-----------------|
| Exposure C                        | ASCE 7-22 Ultimate Design Pressure Span Table |       |                 | 1.2 Degree      |
| Open Structures (Clear Wind Flow) |                                               |       |                 |                 |
| Wind Speed                        | Design Pressure/Suction                       |       | 26GA Span (ft). | 24GA Span (ft). |
| 110                               | 48.0                                          | 65.4  | 10.6            | 11.4            |
| 120                               | 57.2                                          | 77.9  | 10.0            | 10.8            |
| 130                               | 67.1                                          | 91.4  | 9.5             | 10.2            |
| 140                               | 77.8                                          | 106.0 | 9.0             | 9.7             |
| 150                               | 89.3                                          | 121.7 | 8.6             | 9.3             |
| 160                               | 101.6                                         | 138.4 | 8.3             | 8.9             |

| ZONE 3                                                            |                                               |       |                 |                 |
|-------------------------------------------------------------------|-----------------------------------------------|-------|-----------------|-----------------|
| Exposure C                                                        | ASCE 7-22 Ultimate Design Pressure Span Table |       |                 | 1.2 Degree      |
| Open Structures (Obstructed Wind Flow) & Partially Open Structure |                                               |       |                 |                 |
| Wind Speed                                                        | Design Pressure/Suction                       |       | 26GA Span (ft). | 24GA Span (ft). |
| 110                                                               | 20.8                                          | 73.0  | 10.2            | 11.0            |
| 120                                                               | 24.8                                          | 86.8  | 9.6             | 10.4            |
| 130                                                               | 29.1                                          | 101.9 | 9.1             | 9.9             |
| 140                                                               | 33.7                                          | 118.2 | 8.7             | 9.4             |
| 150                                                               | 38.7                                          | 135.7 | 8.3             | 9.0             |
| 160                                                               | 44.1                                          | 154.4 | 8.0             | 8.6             |

## PRODUCT APPROVAL DETAILS:

BLDG CODE: 2026 FLORIDA BUILDING CODE 9TH EDITION

HVHZ: NOT FOR USE IN HVHZ

SECTION 1504.3.1 IS NOT INCLUDED IN THE SCOPE OF THIS EVALUATION. ALL FASTENERS WITHIN 3,000 FEET OF THE COASTLINE SHALL MEET THE CORROSION RESISTANCE REQUIREMENTS OF SECTION 1711.

LIMITS OF USE: FOR PATIO USE ONLY, NON HABITABLE STRUCTURES.

- CARPORTS
- PATIO COVERS
- SUNROOMS
- SCREEN ENCLOSURES
- CANOPIES
- OTHER MINOR SIMILAR STRUCTURES

## NOTES:

- DESIGN PRESSURES UTILIZED IN THIS DOCUMENT HAVE BEEN CALCULATED PER THE REQUIREMENTS OF THE 2026 FLORIDA BUILDING CODE 9TH EDITION, SECTIONS 1504.3.1.1 AND 1711 AND THE ASCE/SEI 7-22.
- THE ALLOWABLE SPAN TABLES HAVE BEEN DERIVED USING THE ALLOWABLE STRESS DESIGN METHODOLOGY AND THE APPLICABLE ALLOWABLE STRESS DESIGN LOAD COMBINATIONS PER SECTION 1605.2.
- CONTACT THIS ENGINEER FOR DEVIATIONS FROM THE SPAN TABLES FOR SITE SPECIFIC CONDITIONS SUCH AS MULTIPLE CONTINUOUS SPAN AND OTHER SUPPORT CONDITIONS. SPAN SCHEDULE SHOW MAXIMUM ROOF PANEL BETWEEN SUPPORTS. MAX. SPAN DEFLECTION LIMIT L/60.
- MEAN ROOF HEIGHT OF STRUCTURE SHALL NOT EXCEED 15 FEET ABOVE GRADE. SPAN TABLES FOR OPEN STRUCTURES BASED 5' MAX. ROOF SLOPE. SPAN TABLES FOR ENCLOSED STRUCTURES BASED ON 27' MAX. ROOF SLOPE.
- THIS SPECIFICATION HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2026 FLORIDA BUILDING CODE - 9TH EDITION, SECTIONS 1504.3.1.1 AND 1711 FOR USE ONLY OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE.
- GALVALUME ROOF PANEL 26GA AND 24GA STANDARD.
- CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. THE 10 PSF LIVE LOAD TABLES MAY ONLY BE USED WITH THE APPROVAL OF THE LOCAL JURISDICTION HAVING AUTHORITY. DESIGN CRITERIA BEYOND THAT STATED HEREIN MAY REQUIRE ADDITIONAL SITE-SPECIFIC ENGINEERING.
- PANEL STRUCTURAL PROPERTIES DERIVED FROM AUTO-CAD MASS PROPERTIES.
- THIS SYSTEM IS NOT APPROVED FOR IMPACT RESISTANCE FROM LARGE OR SMALL DEBRIS.
- THIS SYSTEM SHALL BE CONFINED TO NON HABITABLE LIVING AREAS.
- PRODUCT TEST REPORT FOR 26 AND 24 GAUGE ROLLED FORMED GALVALUME ROOF PANEL, TEST REPORT E9946.01-401-44, OCT 2, 2015. ASTM E330/E330M-14. ARCHITECTURAL TESTING INC. AN INTERTEK COMPANY, 2250 MASSARO BLVD., TAMPA, FL 33619
- SEPARATE SITE-SPECIFIC ENGINEERING SHALL BE REQUIRED IN ORDER TO DEVIATE FROM LOADS, DEFLECTIONS, OR SPANS CONTAINED HEREIN. LINEAR INTERPOLATION OF THE OF THE ALLOWABLE SPAN TABLES LISTED HEREIN SHALL NOT BE ALLOWED. CONTACT THIS ENGINEER FOR ALTERNATE SPAN CALCULATIONS AS MAY BE REQUIRED.
- THE SINGLE-SPAN ANALYSIS IS PRESENTED HERE AS THIS IS THE TYPICAL CRITICAL CONDITION. MULTIPLE SPANS WITH INTERMEDIATE CARRY BEAMS CAN PRODUCE BETTER SPANS CONTACT THIS ENGINEER FOR ALTERNATE SPAN CALCULATIONS AS MAY BE REQUIRED.
- THE CONTRACTOR SHALL CAREFULLY CONSIDER POSSIBLE ADDITIONAL IMPOSED LOADS ON THE ROOF SYSTEM. IF SUCH LOADS EXIST, APPROPRIATE REDUCTIONS IN SPANS SHALL BE ANALYZED BY A LICENSED PROFESSIONAL ENGINEER.
- FABRICATION SHALL BE IN ACCORDANCE WITH APPROVED FABRICATION METHODS BY ALUMFLO, INC AT THEIR ALUMFLO, INC FACILITY. USE OF THESE SDPAN AND LOAD TABLES WITH OTHER MANUFACTURERS OF SIMILAR PRODUCTS IS SPECIFICALLY PROHIBITED.
- ALL FASTENERS TO BE #12 OR LARGER, SAE GRADE 5 OF BETTER UNLESS OTHERWISE SPECIFIED. FASTENERS SHALL BE PLATED OR COATED WITH CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH ANY APPLICABLE FEDERAL, STATE OR LOCAL CODES, AND 2026 FLORIDA BUILDING CODE 9TH EDITION, SECTION 1711.
- CONCRETE ANCHORS NOTED HEREIN SHALL BE EMBEDDED INTO UNCRACKED CONCRETE SPANS INSTALL ALL CONCRETE ANCHORS PER MANUFACTURERS RECOMMENDATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR INSULATING THE MEMBERS OF THIS SYSTEM FOR DISSIMILAR METALS TO PREVENT ELECTROLYSIS.
- THE CONTRACTOR IS RESPONSIBLE FOR WEATHER PROOFING MATERIALS AND INSTALLATION SUCH AS FLASHING, CAULKING, ETC.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- ALTERATIONS ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT IS NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- THIS SYSTEM IS VALIDATED FOR THE STRUCTURAL DESIGN AS SHOWN ONLY.
- USE OF THIS SPECIFICATION BY CONTRACTOR, et al INDEMNIFIES & AND HOLDS HARMLESS THE ENGINEER SIGNING AND SEALING THIS PLAN FOR ALL COSTS & DAMAGES INCLUDING LEGAL FEES, APPELLATE FEES, COURTS COSTS -OR OTHER COSTS RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY FEDERAL, STATE AND LOCAL CODES, AS WELL AS FROM DEVIATIONS FROM THIS SPECIFICATION.
- VERIFICATION OF THE STRUCTURAL INTEGRITY / CAPACITY OF THE SUPPORTING HOST STRUCTURE AND SUPPORT FRAMING ELEMENTS ARE. THE RESPONSIBILITY OF THE SITE SPECIFIC DESIGN PROFESSIONAL.
- THESE DESIGN SPAN TABLES ARE APPLICABLE TO PATIO COVERS, SCREEN ROOMS AND CARPORTS ATTACHED (OR SUPPORTED BY FOUR WALL CONSTRUCTION) TO THE BUILDING ENVELOPE OF THE MAIN HOST STRUCTURE.
- CALCULATION WAS PERFORMED BASED ON THE DEFLECTION ONLY, NOT MOMENT OR ANY OTHER FACTORS.

| REVISIONS |          |             |
|-----------|----------|-------------|
| No.       | DATE     | DESCRIPTION |
| A         | 09/30/26 | PERMIT SET  |
|           |          |             |
|           |          |             |
|           |          |             |
|           |          |             |
|           |          |             |

## 3" GALVALUME RISER ROOF PANELS

## STEEL PANEL DETAILS SHEET (ZONE 3)

FREDERIC P. CARRIE P.E., S.E., LEED AP BD+C  
FLORIDA LICENSE #0791 FLORIDA SI. LICENSE #107860  
DATE: 10/2/2022  
DESIGNED BY: FCP CONSULTANTS, LLC  
CHECKED BY: FCP CONSULTANTS, LLC  
PROJECT: 2026 FLORIDA BUILDING CODE 9TH EDITION

FCP CONSULTANTS, LLC  
CONSULTING ENGINEERS

13555 SW 135th Terrace  
Miami, FL 33186  
Ph: (305) 427-3784  
fcpc@fcpc.com

|                 |            |
|-----------------|------------|
| Design By       | FC         |
| Drawn By        | CB         |
| Checked By      | FC         |
| Scale           | AS NOTED   |
| Date            | 09-30-2026 |
| Calculation No. | -          |

SHEET NUMBER  
**S-1.3**

Digitally signed  
by Frederic P  
Carrie  
Date:  
2026.10.01  
12:50:43 -0400'