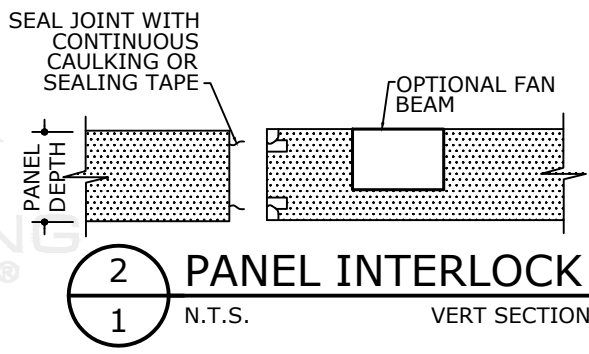




### MAXIMUM ALLOWABLE CLEAR SPAN TABLE:

| ASD<br>Design<br>Load | Deflection<br>Limit<br>(L/...) | 3" Panels        |                  |                 | 4" Panels            |                  |                  | 6" Panels       |                  |                  |                 |
|-----------------------|--------------------------------|------------------|------------------|-----------------|----------------------|------------------|------------------|-----------------|------------------|------------------|-----------------|
|                       |                                | 0.024" Alum Skin | 0.030" Alum Skin | 26ga Steel Skin | 0.024" (*) Alum Skin | 0.024" Alum Skin | 0.030" Alum Skin | 26ga Steel Skin | 0.024" Alum Skin | 0.030" Alum Skin | 26ga Steel Skin |
|                       |                                | 1-LB EPS         | 1-LB EPS         | 1-LB EPS        | 1.5-LB EPS           | 1-LB EPS         | 1-LB EPS         | 1-LB EPS        | 1-LB EPS         | 1-LB EPS         | 1-LB EPS        |
| 50 PSF                | 80                             | 8'-7"            | 9'-2"            | 9'-0"           | 9'-5"                | 9'-7"            | 10'-3"           | 10'-3"          | 11'-5"           | 12'-4"           | 13'-0"          |
|                       | 120                            | 8'-7"            | 9'-2"            | 9'-0"           | 9'-2"                | 9'-7"            | 10'-3"           | 10'-3"          | 11'-5"           | 12'-4"           | 13'-0"          |
|                       | 180                            | 7'-8"            | 8'-11"           | 9'-0"           | 8'-0"                | 9'-1"            | 9'-9"            | 10'-3"          | 11'-5"           | 12'-1"           | 13'-0"          |
|                       | 240                            | 6'-11"           | 8'-1"            | 8'-7"           | 7'-3"                | 8'-3"            | 8'-11"           | 10'-2"          | 10'-5"           | 11'-0"           | 12'-10"         |
| 55 PSF                | 80                             | 8'-2"            | 8'-9"            | 8'-7"           | 9'-0"                | 9'-1"            | 9'-10"           | 9'-9"           | 10'-10"          | 11'-9"           | 12'-5"          |
|                       | 120                            | 8'-2"            | 8'-9"            | 8'-7"           | 8'-10"               | 9'-1"            | 9'-10"           | 9'-9"           | 10'-10"          | 11'-9"           | 12'-5"          |
|                       | 180                            | 7'-5"            | 8'-7"            | 8'-7"           | 7'-9"                | 8'-9"            | 9'-6"            | 9'-9"           | 10'-10"          | 11'-8"           | 12'-5"          |
|                       | 240                            | 6'-9"            | 7'-10"           | 8'-4"           | 7'-0"                | 8'-0"            | 8'-7"            | 9'-9"           | 10'-1"           | 10'-8"           | 12'-5"          |
| 60 PSF                | 80                             | 7'-10"           | 8'-4"            | 8'-3"           | 8'-8"                | 8'-9"            | 9'-4"            | 9'-4"           | 10'-5"           | 11'-3"           | 11'-11"         |
|                       | 120                            | 7'-10"           | 8'-4"            | 8'-3"           | 8'-7"                | 8'-9"            | 9'-4"            | 9'-4"           | 10'-5"           | 11'-3"           | 11'-11"         |
|                       | 180                            | 7'-2"            | 8'-4"            | 8'-3"           | 7'-6"                | 8'-6"            | 9'-2"            | 9'-4"           | 10'-5"           | 11'-3"           | 11'-11"         |
|                       | 240                            | 6'-6"            | 7'-7"            | 8'-1"           | 6'-10"               | 7'-9"            | 8'-4"            | 9'-4"           | 9'-10"           | 10'-4"           | 11'-11"         |
| 65 PSF                | 80                             | 7'-6"            | 8'-0"            | 7'-11"          | 8'-3"                | 8'-4"            | 9'-0"            | 9'-0"           | 10'-0"           | 10'-10"          | 11'-5"          |
|                       | 120                            | 7'-6"            | 8'-0"            | 7'-11"          | 8'-3"                | 8'-4"            | 9'-0"            | 9'-0"           | 10'-0"           | 10'-10"          | 11'-5"          |
|                       | 180                            | 7'-0"            | 8'-0"            | 7'-11"          | 7'-4"                | 8'-4"            | 9'-0"            | 9'-0"           | 10'-0"           | 10'-10"          | 11'-5"          |
|                       | 240                            | 6'-4"            | 7'-5"            | 7'-10"          | 6'-8"                | 7'-7"            | 8'-2"            | 9'-0"           | 9'-7"            | 10'-1"           | 11'-5"          |
| 70 PSF                | 80                             | 7'-3"            | 7'-9"            | 7'-8"           | 8'-0"                | 8'-1"            | 8'-8"            | 8'-8"           | 9'-7"            | 10'-5"           | 11'-0"          |
|                       | 120                            | 7'-3"            | 7'-9"            | 7'-8"           | 8'-0"                | 8'-1"            | 8'-8"            | 8'-8"           | 9'-7"            | 10'-5"           | 11'-0"          |
|                       | 180                            | 6'-10"           | 7'-9"            | 7'-8"           | 7'-2"                | 8'-1"            | 8'-8"            | 8'-8"           | 9'-7"            | 10'-5"           | 11'-0"          |
|                       | 240                            | 6'-2"            | 7'-2"            | 7'-8"           | 6'-6"                | 7'-4"            | 7'-11"           | 8'-8"           | 9'-4"            | 9'-10"           | 11'-0"          |
| 75 PSF                | 80                             | 7'-0"            | 7'-6"            | 7'-4"           | 7'-9"                | 7'-9"            | 8'-5"            | 8'-4"           | 9'-4"            | 10'-1"           | 10'-8"          |
|                       | 120                            | 7'-0"            | 7'-6"            | 7'-4"           | 7'-9"                | 7'-9"            | 8'-5"            | 8'-4"           | 9'-4"            | 10'-1"           | 10'-8"          |
|                       | 180                            | 6'-8"            | 7'-6"            | 7'-4"           | 7'-0"                | 7'-9"            | 8'-5"            | 8'-4"           | 9'-4"            | 10'-1"           | 10'-8"          |
|                       | 240                            | 6'-1"            | 7'-0"            | 7'-4"           | 6'-4"                | 7'-2"            | 7'-9"            | 8'-4"           | 9'-1"            | 9'-7"            | 10'-8"          |
| 80 PSF                | 80                             | 6'-9"            | 7'-3"            | 7'-2"           | 7'-6"                | 7'-6"            | 8'-1"            | 8'-1"           | 9'-0"            | 9'-9"            | 10'-4"          |
|                       | 120                            | 6'-9"            | 7'-3"            | 7'-2"           | 7'-6"                | 7'-6"            | 8'-1"            | 8'-1"           | 9'-0"            | 9'-9"            | 10'-4"          |
|                       | 180                            | 6'-6"            | 7'-3"            | 7'-2"           | 6'-10"               | 7'-6"            | 8'-1"            | 8'-1"           | 9'-0"            | 9'-9"            | 10'-4"          |
|                       | 240                            | 5'-11"           | 6'-11"           | 7'-2"           | 6'-2"                | 7'-0"            | 7'-7"            | 8'-1"           | 8'-11"           | 9'-5"            | 10'-4"          |

1. SPANS ARE BASED ON THE PRODUCT TESTING AND EVALUATION REPORT PER THE GENERAL NOTES.
2. PRESSURES SHALL REFLECT THE CONTROLLING ASCE 7 LOAD COMBINATIONS (DEAD, LIVE, SNOW, WIND, ETC.), DETERMINED SEPARATELY.
3. THE SPANS LISTED HEREIN ARE APPLICABLE FOR NON-HABITABLE STRUCTURES ONLY.
4. TABLES CONSIDER ASD PRESSURES. FOR ULTIMATE PRESSURES,  $P(ULT) = P(ASD)*5/3$ .
5. A 0.7x REDUCTION (PER TABLE 1604.3 FOOTNOTE F) APPLIES TO DEFLECTION ONLY, UNLESS NOTED.



**ENGINEER SIGNATURE & SEAL NOTICE:**  
 \*PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED & SEALED.  
 SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.  
**\*FOR FLORIDA STATEWIDE PRODUCT APPROVALS (FSAs) REGISTERED &  
 APPROVED WITH THE STATE OF FLORIDA:** ORIGINAL, SEALED COPIES OF APPROVED  
 FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR PERMIT.  
 SEE [EALC.CALC.IO/SEAL](http://EALC.CALC.IO/SEAL) TO LEARN MORE.

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the bottom and "FRANK L. BENNARDO" at the top, separated by two stars. Inside the ring, the word "LICENSE" is at the top, the license number "No 0046549" is in the center, and "STATE OF FLORIDA" is at the bottom, also flanked by two stars. A purple ink scribble is present over the bottom half of the seal.

Digitally signed by  
Frank Bennardo  
Date: 2026.08.19  
14:44:40 -04'00'

AS NOTED IN  
CLEAR SPAN TABLE

1. THIS SPECIFICATION HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE. CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. DESIGN CRITERIA BEYOND AS STATED HEREIN MAY REQUIRE ADDITIONAL SITE-SPECIFIC SEALED ENGINEERING.
2. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
3. THE CONTRACTOR SHALL CAREFULLY CONSIDER POSSIBLE IMPOSING LOADS ON ROOF, INCLUDING BUT NOT LIMITED TO ANY CONCENTRATED LOADS WHICH MAY JUSTIFY GREATER DESIGN CRITERIA. THIS ADDITIONAL ROOF LOAD CRITERIA SHALL BE PROPERLY ANALYZED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.
4. ALL PANEL ATTACHMENTS SHALL BE CERTIFIED PER SEPARATE ENGINEERING ON A SITE SPECIFIC BASIS. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
5. FOR PERMANENT OUTDOOR INSTALLATIONS, ALL EXPOSED ANCHORS, FASTENERS, CONNECTORS, AND METAL PLATES SHALL BE CORROSION RESISTANT. CORROSION RESISTANCE MAY BE PROVIDED BY INHERENT MATERIAL COMPOSITION OR, WHERE PERMITTED BY CODE, BY AN APPROVED PROTECTIVE COATING OR GALVANIZATION. WHERE APPLICABLE NEAR A SALTWATER COASTLINE, SUCH COMPONENTS SHALL COMPLY WITH FBC SECTION 1711, INCLUDING APPLICABLE REQUIREMENTS FOR EXPOSED, PROTECTED, OR ENCLOSED CONDITIONS. MATERIALS, COATINGS, AND FINISHES SHALL BE COMPATIBLE WITH CONNECTED MATERIALS, AND PROTECTIVE COATINGS SHALL BE CONTINUOUS OVER EXPOSED SURFACES. FASTENERS USED WITH ALUMINUM MEMBERS SHALL ALSO COMPLY WITH SECTION J.3.7.2 OF THE ALUMINUM DESIGN MANUAL, "SPECIFICATION FOR ALUMINUM STRUCTURES." SUBSTITUTION OF COMPONENTS FROM ALTERNATE MANUFACTURERS, OR WITH DIFFERENT MATERIALS, COATINGS, OR FINISHES, SHALL NOT BE ASSUMED EQUIVALENT AND MAY REQUIRE ADDITIONAL ENGINEERING REVIEW OR SITE-SPECIFIC ANALYSIS.
6. CONTRACTOR IS RESPONSIBLE TO INSULATE OR PROTECT ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
7. ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
8. PRODUCTS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION SPECIFICATION.
9. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
10. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

**ENGINEERING  
EXPRESS®**

POSTAL ADDRESS:  
22234 NORTH FEDERAL HWY #7664,  
BOCA RATON, FL 33431  
ENGINEERINGEXPRESS.COM

(352) 787 - 7766

PRO-FAB ROOF PANELS  
FLORIDA BUILDING CODE NINTH EDITION (2026)  
FLORIDA STATEWIDE APPROVAL (FSA FL# 2291.1)

[illegible]

**SCALE: NTS UNLESS NOTED**

1

1