

FOUR SEASONS SOLAR PRODUCTS, LLC.

230 FIXED WINDOW (48"x82") FOR SUNROOM

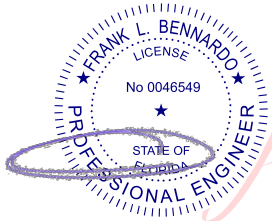
NON-IMPACT / HVHZ

-FOR USE IN NON-HABITABLE SUNROOMS ONLY AS DESCRIBED IN AAMA/NPEA/NSA 2100.

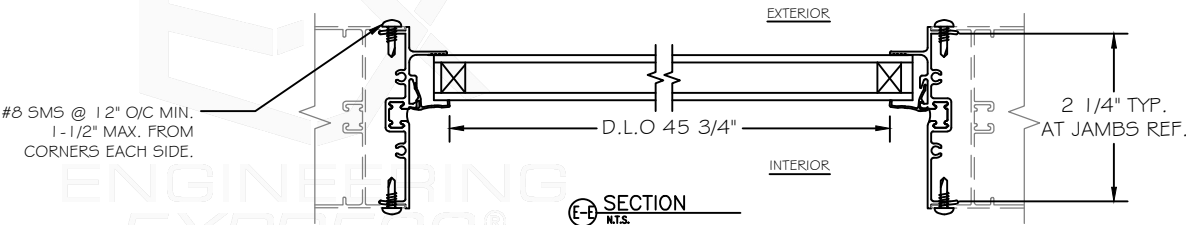
-FOR USE AS A CATEGORY IV SUNROOM IF SYSTEM MEETS THERMAL PERFORMANCE AS DESCRIBED IN SECTION 7 IN AAMA/NPEA/NSA 2100.

FRANK BENNARDO, PE
PE# 46549 CA# 9885

AUGUST 9, 2023



Digitally signed by
Frank Bennardo
Date: 2023.08.09
18:55:46 -04'00'



NOTE:
SUNROOM COLUMN MAY VARY
DEPENDING ON WALL

(NON IMPACT APPROVED)
MAXIMUM ALLOWABLE DESIGN PRESSURES
(A.S.D.):

+75 PSF / -75 PSF

NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE IN FLORIDA OR ANY OTHER STATE SHALL REQUIRE A REVIEW & CERTIFICATION BY A REGISTERED DESIGN PROFESSIONAL LICENSED IN THAT STATE, WHO SHALL BE RESPONSIBLE FOR THE CONTENT & PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE FOR ASSISTANCE WITH YOUR PROJECT NEEDS.

GENERAL NOTES:

1. THE SYSTEM AND GLASS TYPES DESCRIBED HEREIN COMPLY AND HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) PER
a. AAMA/WDMA/CSA 101/I.S.2/A440
b. TAS 202
2. FOR USE **WITHIN AND OUTSIDE** THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. GLASS UNIT(S) SHALL ME THE REQUIREMENTS OF ASTM E-1300.
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. 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. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
8. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
9. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
10. ENGINEER SEAL AFFIXED HERETO VALIDATE 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.
11. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
12. PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
13. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
14. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
15. IF SLOPED GLAZING IS NEEDED, IT SHALL BE ALLOWED UNDER SITE SPECIFIC ENGINEERING. DESIGN MUST BE CHECKED AND APPROVED BY A PROFESSIONAL ENGINEER AND THE MANUFACTURER(S).
16. UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.

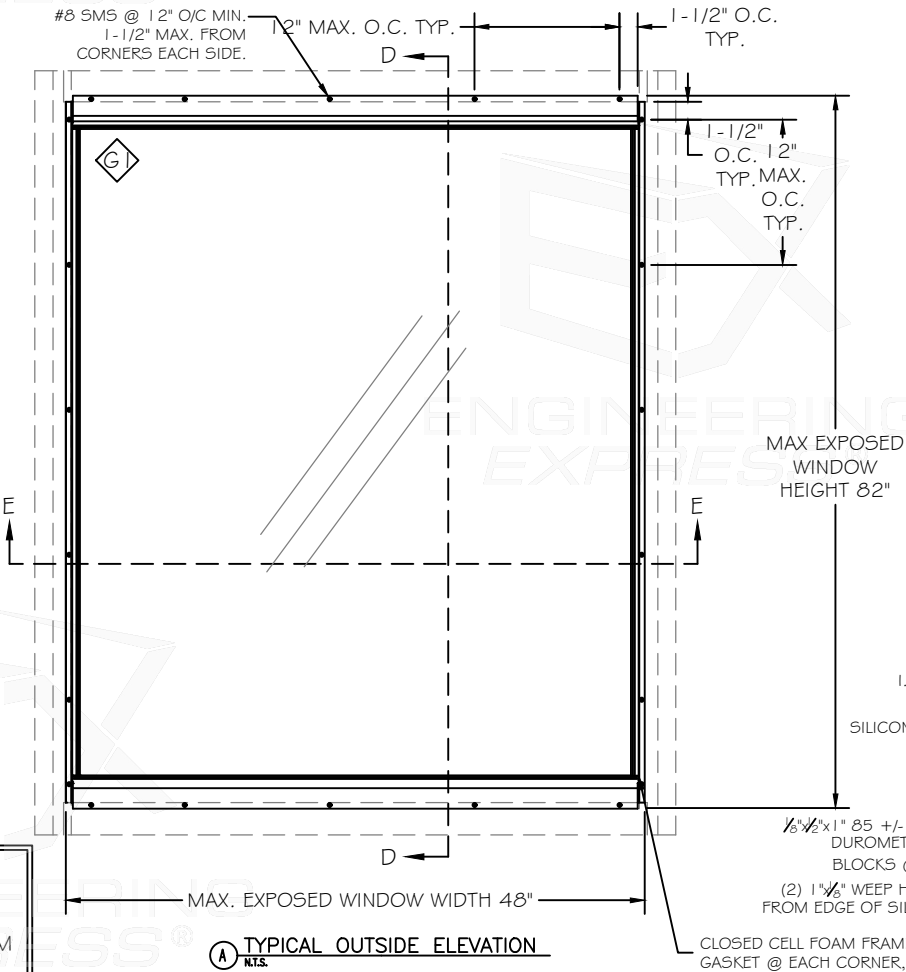
NOTE:
FOR SUNROOM WALL INFO
SEE APPROPRIATE FLORIDA
PRODUCT APPROVAL REPORT

NOTES:
1. THIS WINDOW IS APPROVED ONLY FOR INSTALLATION INTO SEPARATELY ENGINEERED FOUR SEASONS ALUMINUM SUNROOM. INSTALLATION INTO ANY OTHER SUBSTRATE SHALL REQUIRE A SEPARATE, SITE SPECIFIC DESIGN TO BE PREPARED BY A FL-REGISTERED PROFESSIONAL ENGINEER, AND SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL.
2. ALL FASTENERS SHALL PENETRATE SHEET METAL WITH THREE FULL THREAD PITCHES.

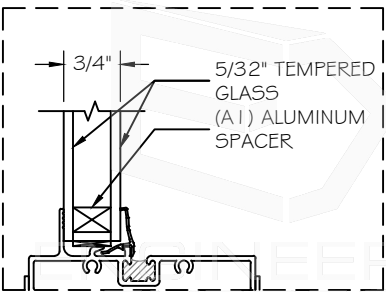
REFER TO MFR. INFORMATION
& TEST DATA FOR MORE
INFORMATION ON EXTRUSIONS

TAS202:
WATER PENETRATION PER ASTM E547 : 12 PSF
AIR INFILTRATION PER ASTM E283

E-D SECTION
N.T.S.



NOTE:
1. GLASS THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS.
2. SETTING BLOCK SHALL COMPLY WITH 2411.3.3.1 OF THE FLORIDA BUILDING CODE 8TH EDITION (2023)



G1) GLASS DETAIL
(NON IMPACT)

VISIT [ECALC.IO/60827a](https://ecalculator.com/60827a)

FOR SITE-SPECIFIC DEVIATIONS
& MORE INFORMATION ABOUT THIS DOCUMENT
OR SCAN THIS QR CODE

VISIT [ENGINEERINGEXPRESS.COM/STORE](https://engineeringexpress.com/store)
FOR ADDITIONAL PLANS, REPORTS & RESOURCES



ALL UNSPECIFIED INFORMATION SHALL BE PER TEST REPORTS
Nos. 10-FS-006B AND #10-FS-001 BY MATERIALS TESTING LAB,
INC., WHICH IS ATTACHED TO THIS CERTIFICATION.

FL 15202.1

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EXPRESS®

POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 BOX 219
DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

FOUR SEASONS SOLAR PRODUCTS, LLC.

5005 VETERANS MEMORIAL HIGHWAY

HOLBROOK, NY 11741

PH: (631) 563-4000

SERIES 230 FIXED WINDOW (48"x82") FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#15202.1)

REMARKS	DATE	DRWN	CHKD	TAE	AJP	RS	SQ	DATE
FBC 2020 (21-39520)	04/24/21							
FBC 2023 UPDATE	07/12/23							

23-60827a

SCALE: NTS UNLESS NOTED

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