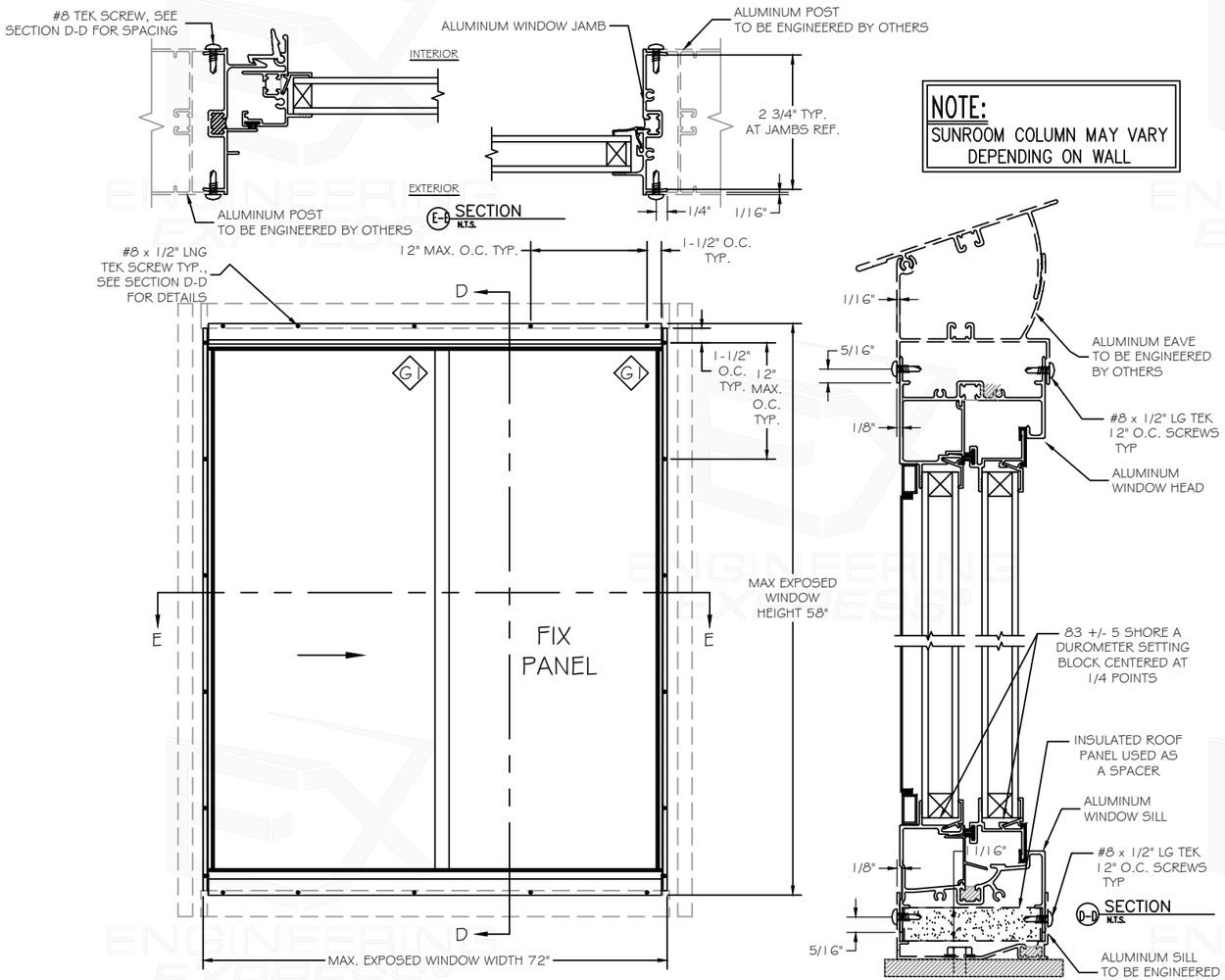
SERIES 230 HORIZONTAL SLIDING WINDOW FOR SUNROOM

(NON-IMPACT / NON-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.



NOTE:
SUNROOM COLUMN MAY VARY DEPENDING ON WALL

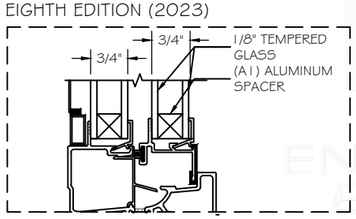
A TYPICAL OUTSIDE ELEVATION N.T.S.

WATER PENETRATION PER ASTM E547: 7.5 PSF
AIR INFILTRATION PER ASTM E283

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

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



(G1) GLASS DETAIL
(NON IMPACT)

VISIT ECALC.IO/60820b

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

VISIT ENGINEERINGEXPRESS.COM/STORE FOR ADDITIONAL PLANS, REPORTS & RESOURCES

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

AUGUST 28, 2023

FRANK L. BENNARDO LICENSE No 0046549 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Frank Bennardo
Date: 2023.08.29 09:32:10 -04'00'

NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

THIS IS A NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID **IN FLORIDA ONLY**. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE AT **ENGINEERINGEXPRESS.COM/QUOTE** FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION & CERTIFICATION OF THIS DOCUMENT OUTSIDE FLORIDA.

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

+40 PSF / -40 PSF

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/CSA101/I.S.2/A440
   b. ANSI/AAMA/WDMA 101/I.S.2/NAFS
2. FOR USE 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.

FL 12295.2

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SERIES 230 HORIZONTAL SLIDER FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#12295.2)

REMARKS	DRWN	CHKD	DATE
FBC 2020 (21-39515)	TAE	AJP	04/24/21
FBC 2023 UPDATE	SQ	RS	07/13/23
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SCALE: NTS UNLESS NOTED

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