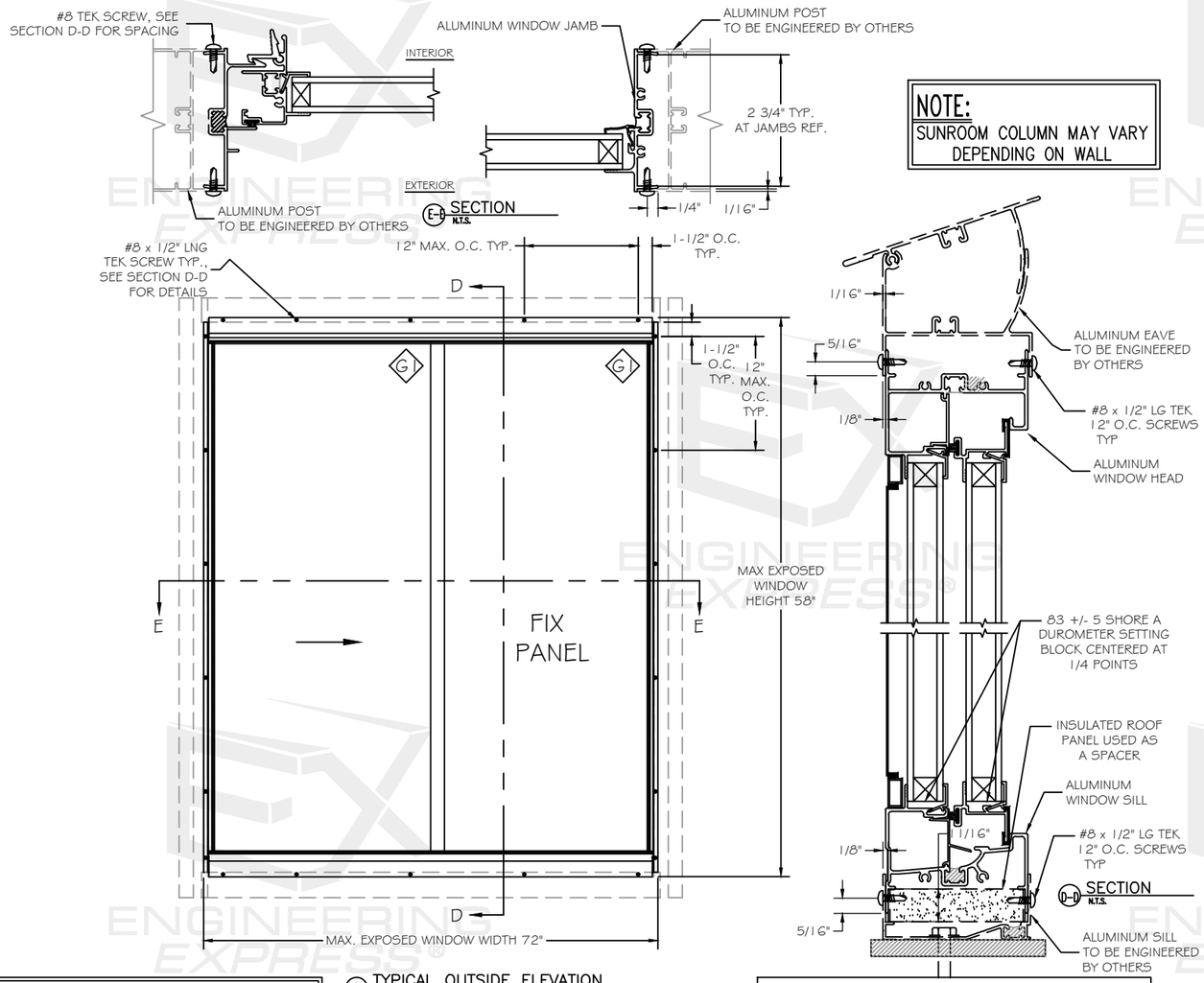
SERIES 230 HORIZONTAL SLIDING WINDOW FOR SUNROOM

(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

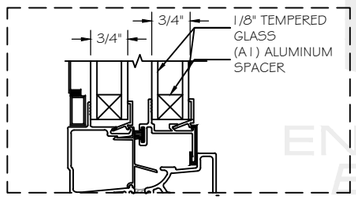
A TYPICAL OUTSIDE ELEVATION N.T.S.

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 NINTH EDITION (2026)



(G1) GLASS DETAIL
(NON IMPACT)

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FRANK BENNARDO, PE
PE# 0046549 CA# 9885

AUGUST 18, 2026

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

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

+40 PSF / -40 PSF

DESIGN NOTES:

1. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE-SPECIFIC PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-22 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE 9TH EDITION (2026) SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
2. FOR USE IN SUNROOMS, SYSTEM TO BE USED AS AN AAMA 2100 CATEGORY I-IV ONLY & AS PER FBC 2002.6
3. THE HOST STRUCTURE IS NOT TO BE MODIFIED WITH THE ADDITION OF THIS UNIT.

GENERAL NOTES:

1. THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 9TH EDITION (2026) PER AAMA/WDMA/CSA 101/I.S.2/A440-05 STANDARDS FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ) ONLY.
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.WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
3. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONSDETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.ALL ALUMINUM EXTRUSION SHALL BE EQUIVALENT TO OR GREATER THAN THE MINIMUM ALLOYS AND TEMPERS AS SPECIFIED IN THE BILL OF MATERIALS.
4. 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.THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
5. 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.
6. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
7. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
8. UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.
9. THE SYSTEM DETAILED HEREIN HAS BEEN TESTED PER THE TEST STANDARD(S) LISTED ABOVE AS REFERENCED IN TEST REPORT #ETC-07-1014-18605.1 BY ETC LABORATORIES.

FL 12295.2

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FOUR SEASONS SOLAR PRODUCTS, LLC.
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PH: (631) 563-4000

SERIES 230 HORIZONTAL SLIDER FOR SUNROOM
FLORIDA BUILDING CODE NINTH EDITION (2026)
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
FBC 2026 UPDATE	MZ	MN	08/18/26
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