

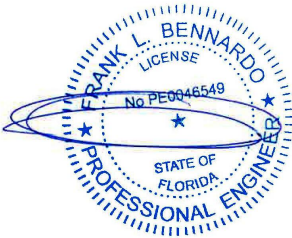
GREAT DAY IMPROVEMENTS, LLC
SERIES 230 WALL SYSTEM FOR SUNROOM
(NON-IMPACT / HVHZ)

- 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.
- FOR USE IN FOUR SEASONS SERIES 230 SUN & SHADE AND SERIES 230 SUN & STARS MODELS.
- THESE PLANS APPLY ONLY TO WALL PANEL SYSTEM. FOR ROOF & WINDOW/DOOR APPROVAL INFORMATION, REFER TO RESPECTIVE FLORIDA PRODUCT APPROVALS. ALL OTHER ROOF PARTS DESCRIBED HEREIN ARE FOR ILLUSTRATION PURPOSES ONLY.
- FOR USE LARGE MISSILE IMPACT AREAS, ADEQUATE LARGE MISSILE IMPACT PROTECTION SHALL BE APPLIED AT THE HOST STRUCTURE OPENINGS.
- THE HOST STRUCTURE IS NOT TO BE MODIFIED OR OPENED WITH THE USE OF THIS PRODUCT.
- THIS SYSTEM IS NOT CAPABLE TO BECOME A LARGE MISSILE IMPACT SUNROOM.

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.

FRANK BENNARDO, PE
PE# 46549 CA# 9885

AUGUST 17, 2023



Digitally signed by
Frank Bennardo
Date: 2023.08.17
17:01:03 -04'00'

MAXIMUM ALLOWABLE DESIGN
PRESSURES (A.S.D.):

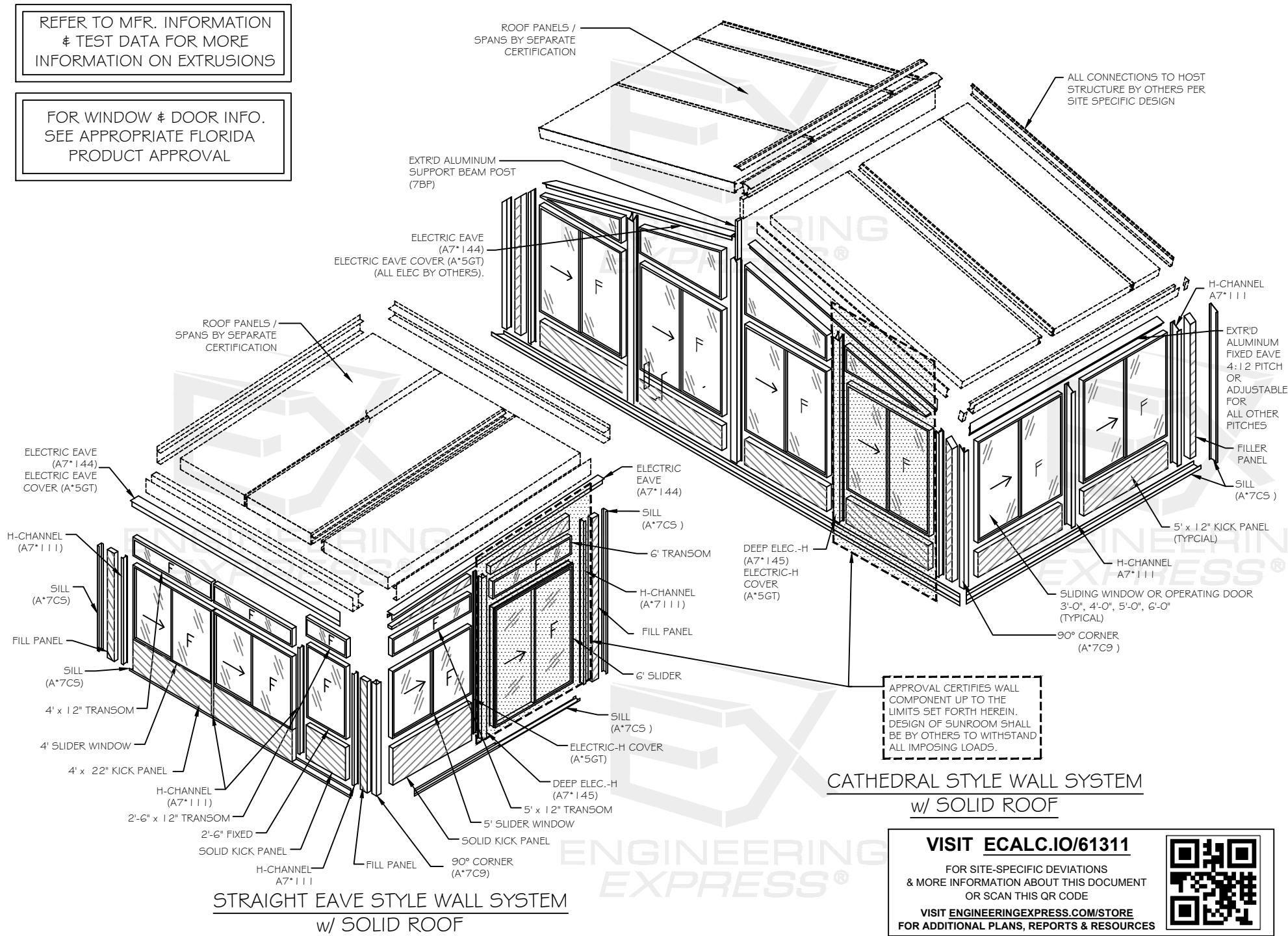
+40 PSF / -40 PSF

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 8TH EDITION (2023) SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
2. 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 SUNROOM.

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. TAS 202
c. UL 1715
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.



CATHEDRAL STYLE WALL SYSTEM
w/ SOLID ROOF

STRAIGHT EAVE STYLE WALL SYSTEM
w/ SOLID ROOF

VISIT ECALC.IO/61311

FOR SITE-SPECIFIC DEVIATIONS
& MORE INFORMATION ABOUT THIS DOCUMENT
OR SCAN THIS QR CODE
VISIT ENGINEERINGEXPRESS.COM/STORE
FOR ADDITIONAL PLANS, REPORTS & RESOURCES



SYSTEM PERFORMANCE
DERIVATIONS:

1. SYSTEM PERFORMANCE DERIVED FROM CERTIFIED TEST REPORTS Nos. TT507017-202 BY TERRAPIN TESTING AND 08066b.1 BY WESTERN FIRE CENTER, INC.

FL 42308.1

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GREAT DAY IMPROVEMENTS, LLC

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MACEDONIA, OHIO 44056

888-468-0700



SERIES 230 WALL SYSTEM FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#42308.1)

REMARKS	DATE	DRWN	CHKD	TAE	AJP	RS	SQ
2020 FBC (21-39494)	04/24/21						
2023 FBC UPDATE	08/15/23						

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WALL SYSTEM FOR SUNROOM
IG CODE EIGHTH EDITION (2023)
FOR APPROVAL (ECA, EPL42209, 1)



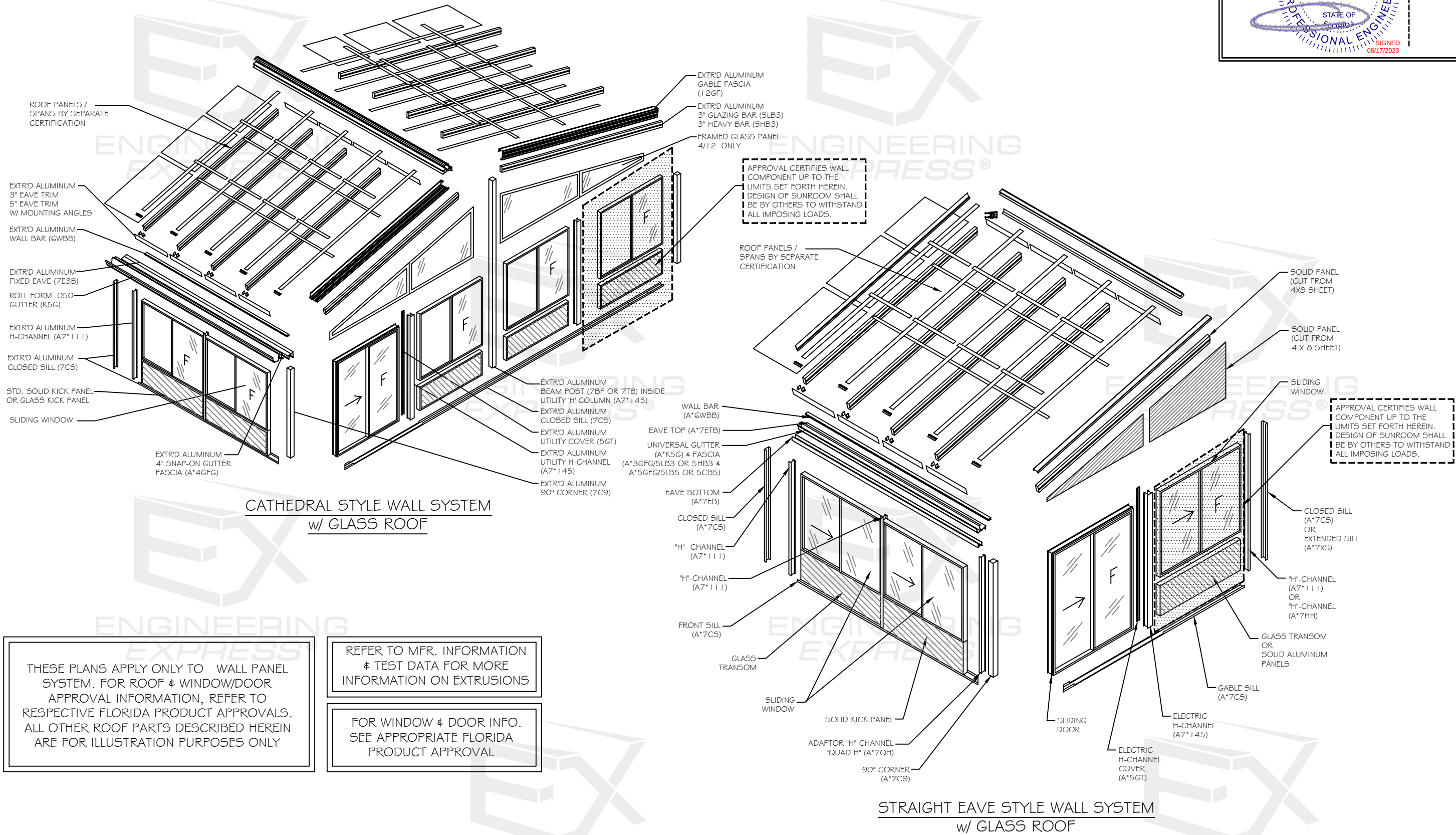
SERIES 230 WALL SYSTEM FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA # 432208.1)

REMARKS	DRWN	CHKD	DATE
2020 FBC (21-39494)	TAE	AJP	04/24/21
2023 FBC UPDATE	SQ	RS	08/15/23
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SERIES 230 WALL SYSTEM FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (200

FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#42308.1)

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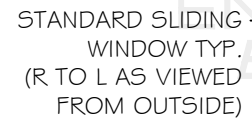
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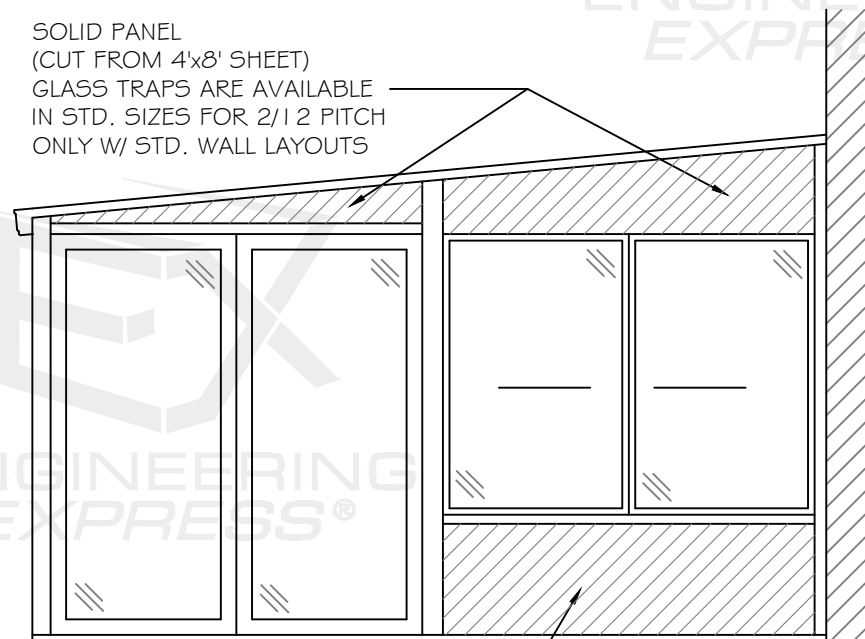


- OPTIONAL
REVERSE SLIDING
WINDOW
(R TO L AS VIEWED
FROM OUTSIDE)

SOLID —
KICK PANEL

TYP. FRONT ELEVATION

SOLID PANEL
(CUT FROM 4'x8' SHEET)
GLASS TRAPS ARE AVAILABLE -
IN STD. SIZES FOR 2/1 2 PITCH
ONLY W/ STD. WALL LAYOUTS



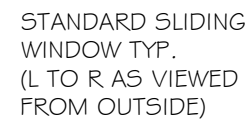
SOLID 
KICK PANEL

TYP. GABLE ELEVATION

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

FOR WINDOW & DOOR INFO.
SEE APPROPRIATE FLORIDA
PRODUCT APPROVAL

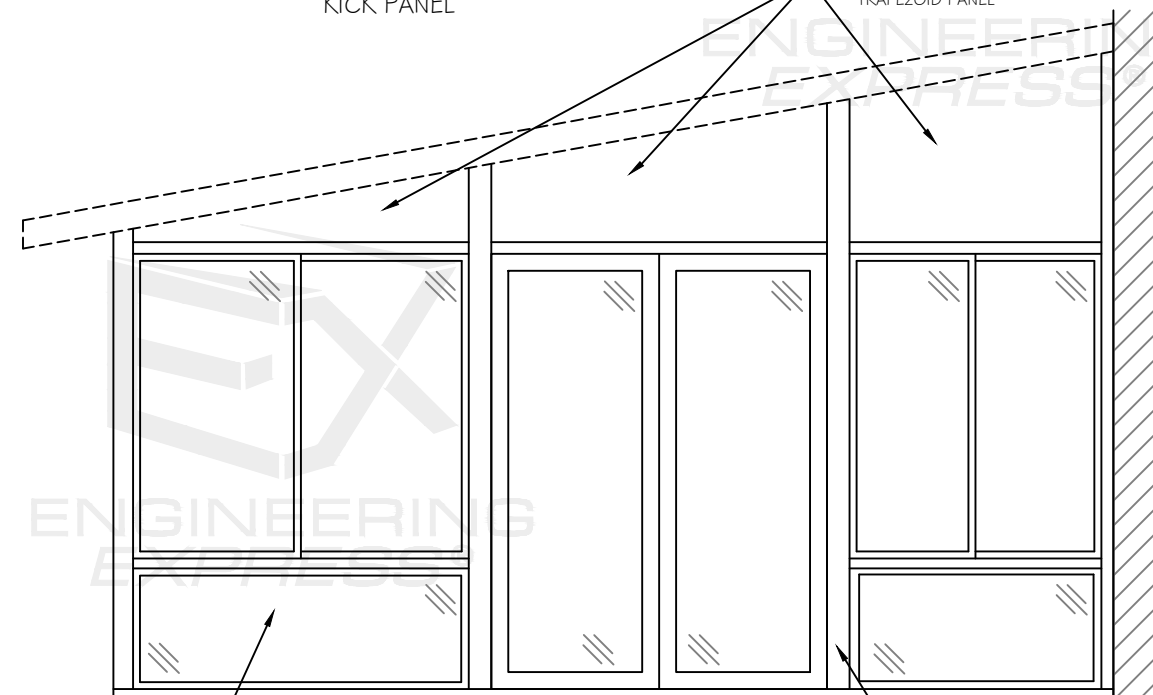


OPTIONAL
REVERSE SLIDING
WINDOW
(R TO L AS VIEWED
FROM OUTSIDE)

✓ SOLID
KICK PANEL

TYP. FRONT ELEVATION

— SOLID OR (OPTIONAL FIXED GLASS)
TRAPEZOID PANEL



FIXED GLASS OR SOLID KICK PANEL

SIDE ELEVATION

UTILITY 'H'
W/ 7BP

MAX. OVERALL WALL SYSTEM WIDTH AT 8' 9 3/4" AND
MAX. OVERALL WALL SYSTEM HEIGHT AT 7' 8 3/8"
REFER TO SHEET O5 FOR DETAILED DIMENSIONS



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SERIES 230 WALL SYSTEM FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (ESA E1 #42308 1)

REMARKS	DRWN	CHKD	DATE
2020: FBC (21-39494)	TAE	AJP	04/24/21
2023: FBC UPDATE	SQ	RS	08/15/23
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L KICK PANEL



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WALL SYSTEM FOR SUNROOM
IG CODE EIGHTH EDITION (2023)
FOR APPROVAL (ECA, EPL42209, 1)



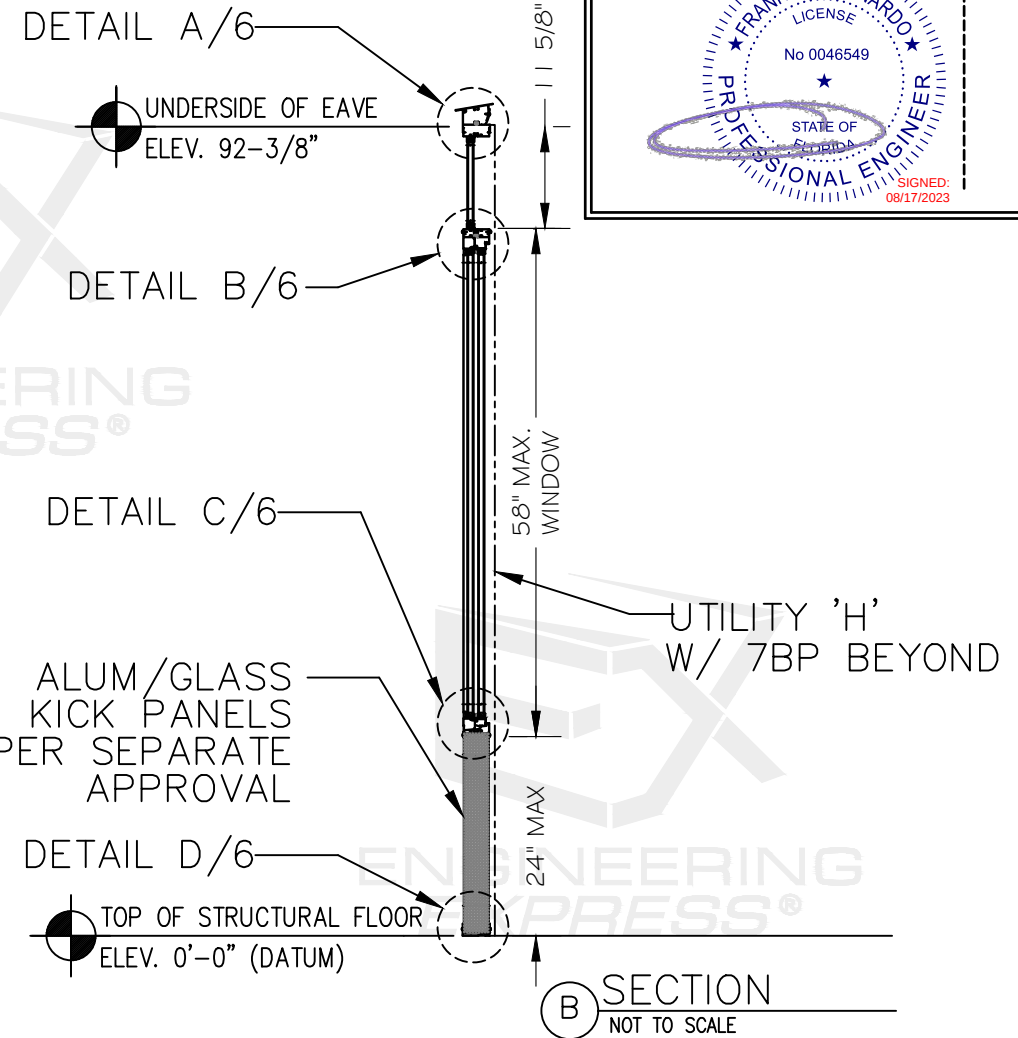
SERIES 230 WALL SYSTEM FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FCA FL #13208-1)

REMARKS	DRWN	CHKD	DATE
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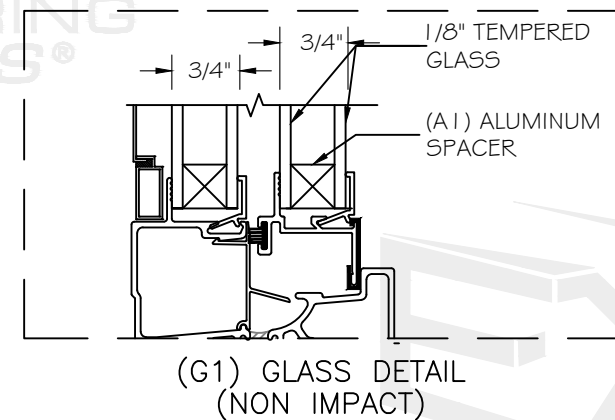


(A) TYP. WALL ELEVATION
NOT TO SCALE

FOR WINDOW & DOOR INFO.
SEE APPROPRIATE FLORIDA
PRODUCT APPROVAL

WALL SYSTEM DOES NOT NEED TO COMPLY WITH TAS 201 AND TAS 203
WHEN USED IN HVHZ AREAS AS LONG AS FULL HEIGHT HURRICANE
SHUTTERS COMPLYING WITH TAS 201, TAS 202 AND TAS 203 ARE UTILIZED
IN ACCORDANCE WITH FLORIDA BUILDING CODE EIGHTH EDITION (2023)

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)





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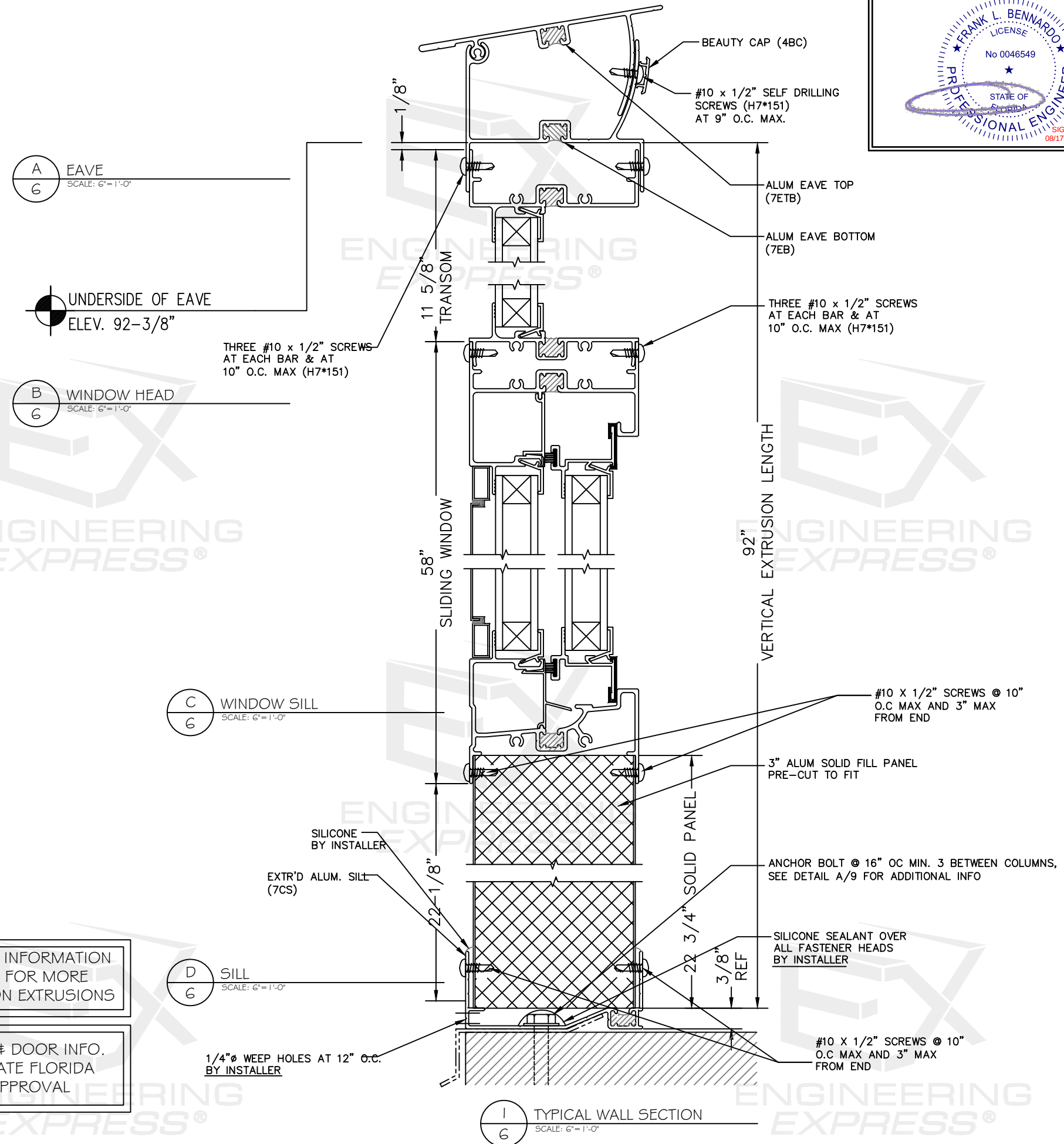
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SERIES 230 WALL SYSTEM FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#42308.1)

REMARKS	DRWN	CHKD	DATE
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SEE APPROPRIATE FLORIDA
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SERIES 230 WALL SYSTEM FOR SUNROOM
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FCA FL #13208 1)

REMARKS	DRWN	CHKD	DATE
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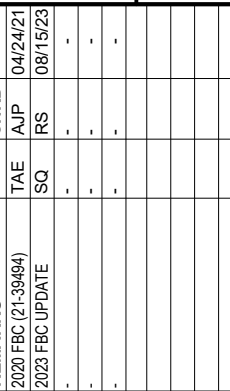


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FLORIDA STATEWIDE APPROVAL (FSA FL#42308.1)

**SCALE: NTS UNLESS NOTED**

8

C
8

GABLE ATTACHMENT AT HOUSEWALL w/WINDOW

NOT TO SCALE

GABLE ATTACHMENT AT HOUSEWALL w/WINDOW
NOT TO SCALE

~ 2 7/8" THK. WALL PANEL



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