



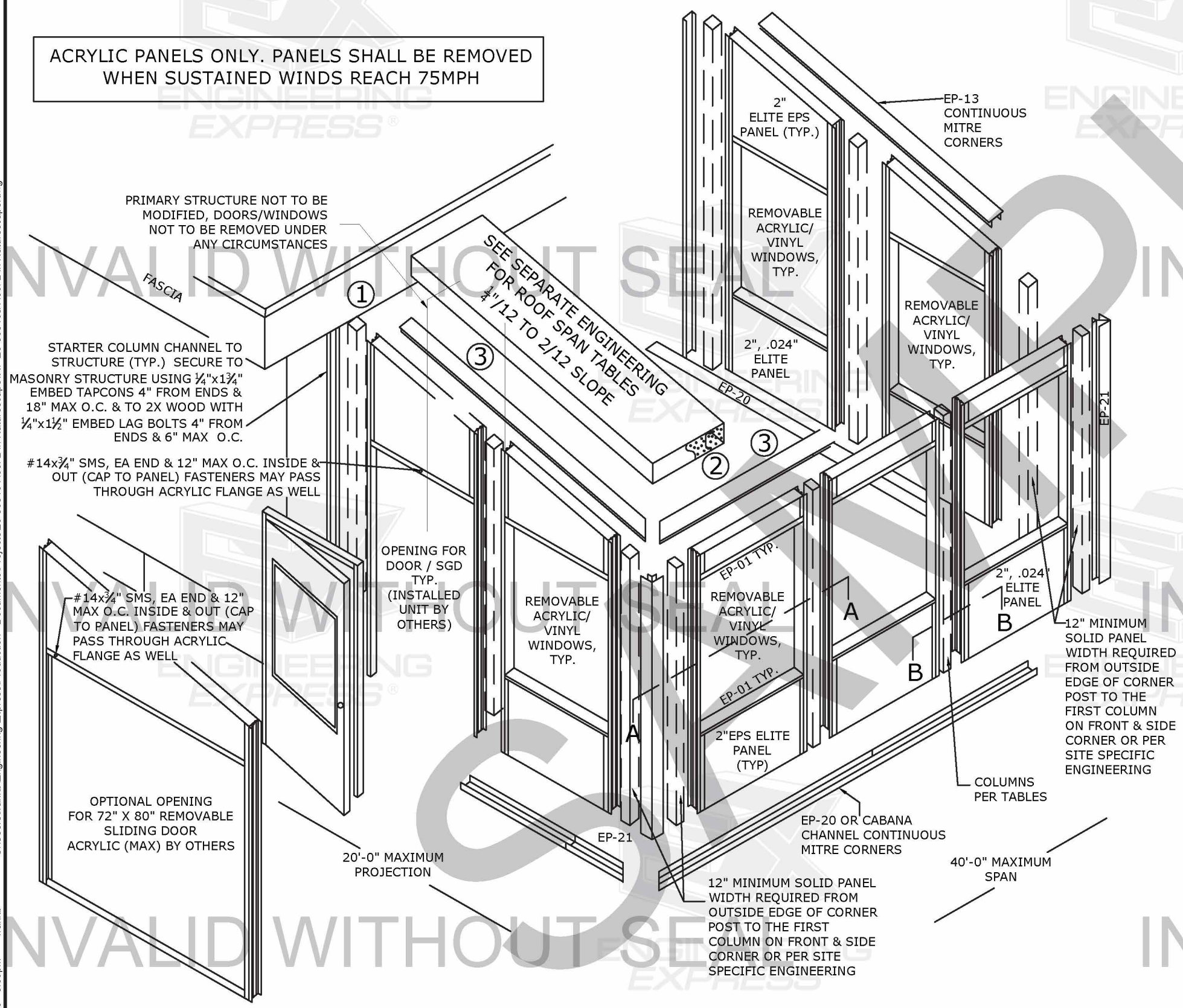
ELITE ALUMINUM CORPORATION

2" NATURESCAPE REMOVABLE ACRYLIC ROOM

MONOSLOPE ROOF MASTER PLAN SHEET

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ACRYLIC PANELS ONLY. PANELS SHALL BE REMOVED WHEN SUSTAINED WINDS REACH 75MPH



GENERAL NOTES

1. POSITIVE & NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS USING ASD METHOD OF ASCE 7-16 OR ASCE 7-10 AS APPLICABLE.
2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020), 6TH EDITION FLORIDA BUILDING CODE (2017), 2012/2015/2018 INTERNATIONAL BUILDING CODES, AS WELL AS CURRENT VERSIONS OF THE MN, NC, NJ, NY, OH, SC, & VA BUILDING CODES AS APPLICABLE. CODE ENFORCED COMPLIES WITH STATE OF SEAL AND IF MULTIPLE VERSIONS LISTED THEN MOST STRINGENT APPLIES. THIS DOCUMENT SHALL NOT BE USED OR REPRODUCED WITHOUT THE ORIGINAL SIGNATURE & RAISED SEAL OF FRANK L. BENNARDO, P.E. & MUST HAVE 'ELITE' IN RED ACROSS THE FACE OF THIS DRAWING. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
3. THE EXISTING STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED NATURESCAPE STRUCTURE AS DETERMINED BY OTHERS OR BY SPECIAL ENGINEERING BY UNDERSIGNED ENGINEER ATTACHED HERETO. NO WARRANTY IS CONTAINED HEREIN.
4. EXISTING WOOD HOST STRUCTURE SHALL BE #2 SYP MIN. EXISTING CONCRETE HOST STRUCTURE SHALL BE 3000 PSI MIN. STRUCTURAL ADHESIVE SHALL HAVE 1500 PSI MIN BOND STRENGTH.

MATERIALS

5. COMPOSITE ROOF AND WALL MEMBERS SHALL BE CONSTRUCTED USING MINIMUM TYPE 3005-H25 ALUMINUM FACINGS, (1) OR (2) PCF ASTM C-578 CARPENTER BRAND EPS. ADHERE TO ALUMINUM FACINGS WITH ASHLAND CHEMICAL 2020D ISO GRIP. FABRICATION TO BE BY ELITE PANEL PRODUCTS ONLY IN ACCORDANCE WITH APPROVED FABRICATION METHODS & SPANS.
6. ALL EXTRUSIONS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 OR BETTER.
7. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALUMINUM MEMBERS FROM DISSIMILAR METALS TO PREVENT ELECTROLYSIS.
8. IF REQUIRED BY CODE, THE EPS CORE SHALL BE SEPARATED FROM THE BUILDING INTERIOR BY A 15 MINUTE THERMAL BARRIER OF APPROVED 5/8 INCH GYPSUM WALLBOARD OR EQUAL. ELITE CAN PROVIDE UL1715 (INTERIOR) OR CLASS A (EXTERIOR) PANEL TO SATISFY CODE PROVIDED ALUM. & EPS MEET SPECS ABOVE.

FASTENERS

9. ALL FASTENERS TO BE ASTM F593, CW 316 STAINLESS STEEL, SAE GRADE 5 STEEL MIN, OR CADMIUM PLATED OR OTHER CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH THE 2015 ALUMINUM DESIGN MANUAL, THE ALUMINUM ASSOCIATION, INC., & APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
10. FASTENERS SHALL HAVE A HEAD AND/OR BE PROVIDED WITH 1/2" DIAMETER WASHER MINIMUM UNLESS NOTED OTHERWISE. FOR ALUMINUM MEMBERS ALL ANCHORS SHALL BE SPACED WITH 2xDIAMETER END DISTANCE AND 2.5xDIAMETER MIN. SPACING TO ADJACENT ANCHORS, UNLESS NOTED OTHERWISE. PROVIDE (5) PITCHES MIN PAST THE THREAD PLANE FOR ALL SCREW CONNECTIONS.
11. ANY FASTENER STRIPPED OR NOT ADEQUATELY HOLDING SHALL BE REPLACED.
12. ALL TAPCONS MUST BE ITW, DEWALT CARBON STEEL TAPCONS OR EQUIVALENT W/ 1 3/4" EMBED, 3" MIN. EDGE DISTANCE, FASTENED TO MINIMUM 3192PSI MIN., UN-CRACKED CONCRETE.

OTHER:

13. SOLID WALL PANELS SHALL NOT BE GREATER THAN 50% OF THE TOTAL WALL HEIGHT.
14. ACRYLIC WINDOWS & DOORS SHALL BE BY OTHERS IN ACCORDANCE WITH REQUIRED WIND PRESSURES STATED IN TABLES & SHALL MEET ALL PRODUCT APPROVAL REQUIREMENTS. THIS ENCLOSURE IS **NOT IMPACT RESISTANT**.
15. THIS ENCLOSURE IS NON-HABITABLE SPACE.
16. ELECTRICAL GROUND AND ALL RELATED WIRING AND CONSIDERATIONS TO BE DESIGNED BY OTHERS AS REQUIRED.
17. 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.
18. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et al. INDEMNIFIES AND SAVES HARMLESS THIS ENGINEER FOR ALL COSTS AND DAMAGES INCLUDING LEGAL FEES AND APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES AND FROM DEVIATIONS OF THIS PLAN.
19. EXCEPT AS EXPRESSLY PROVIDED IN THIS SPECIFICATION, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

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MONOSLOPE ROOF
2" NATURESCAPE ACRYLIC OPENING
MASTER PLAN SHEET

DRWN	CHKD	DATE
TT	FB	10/08/20

REMARKS

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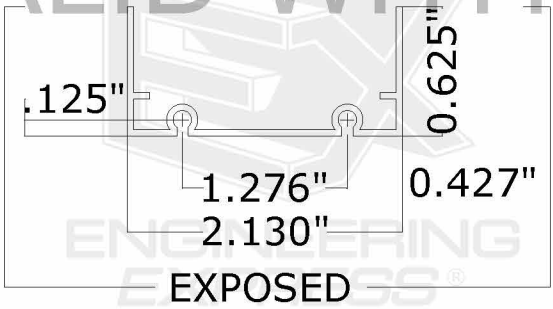
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1 OF 4

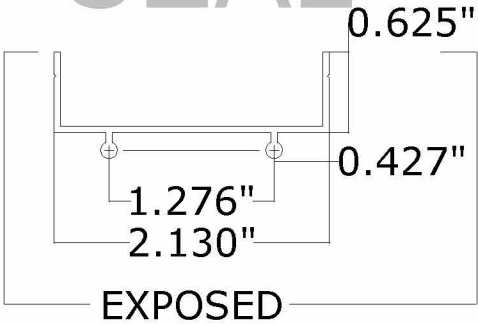
10/27/2020 - 3:09pm frankb

EXTRUSIONS:

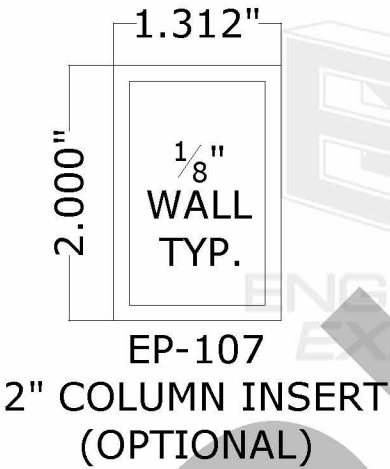
ALL MEMBERS 0.055" MIN THICK U.N.O.
6063-T6 OR BETTER



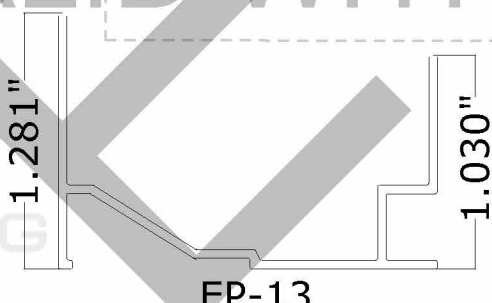
EP-01 CHANNEL



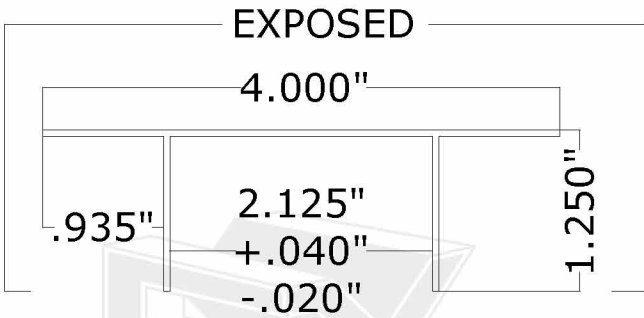
EP-03 - PANEL ADAPTOR



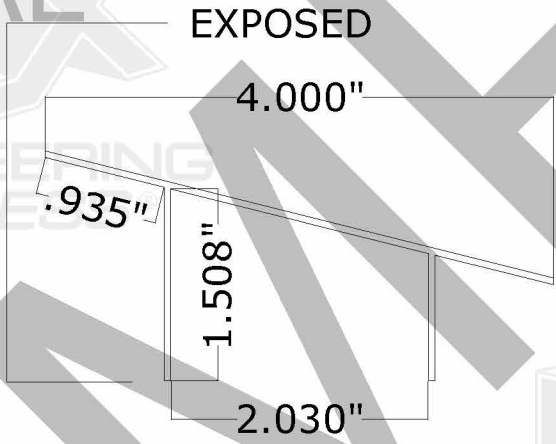
EP-107
2" COLUMN INSERT
(OPTIONAL)



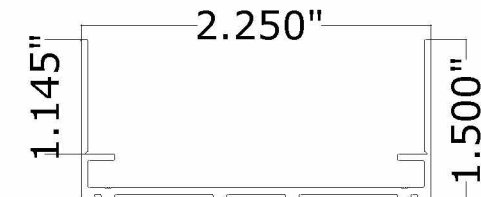
EP-13
2" BASE CHAN. W/ WEEP



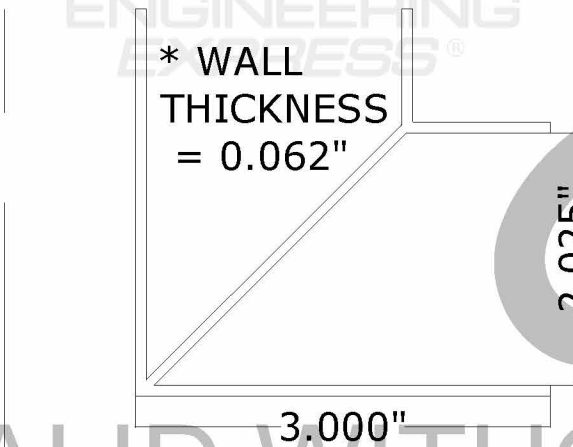
EP-15 - FLAT TOP CAP



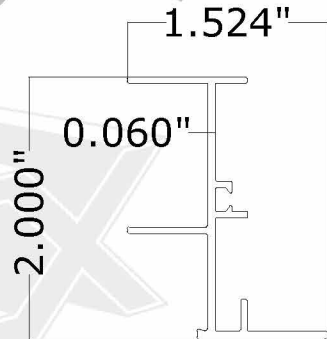
EP-51 - 3/12 PITCH TOP CAP



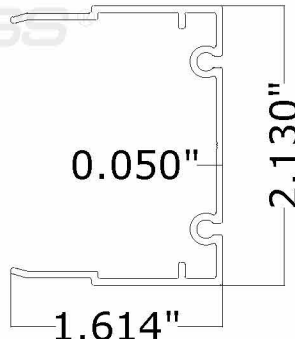
EP-20 - 2" CABANA CHANNEL



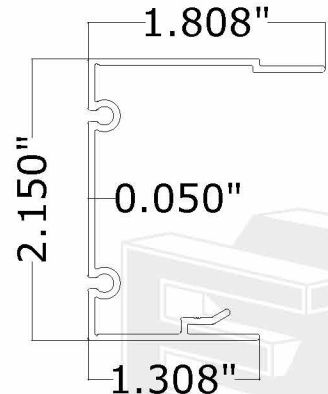
EP-21 CORNER POST



WINDOW JAMB



EP-146
2" COLUMN
MALE SECTION



EP-111
2" INTERLOCK
COLUMN SECTION

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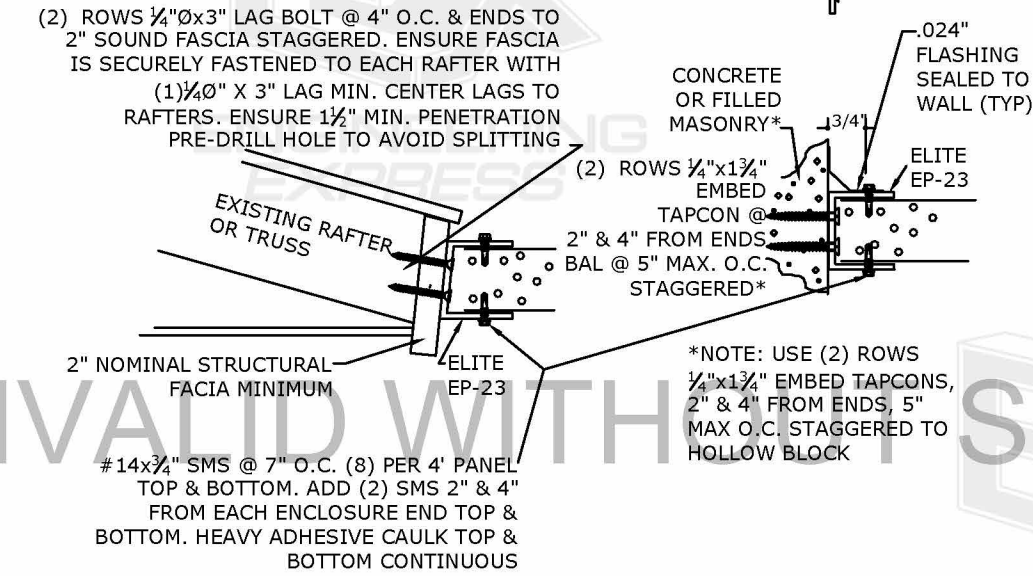
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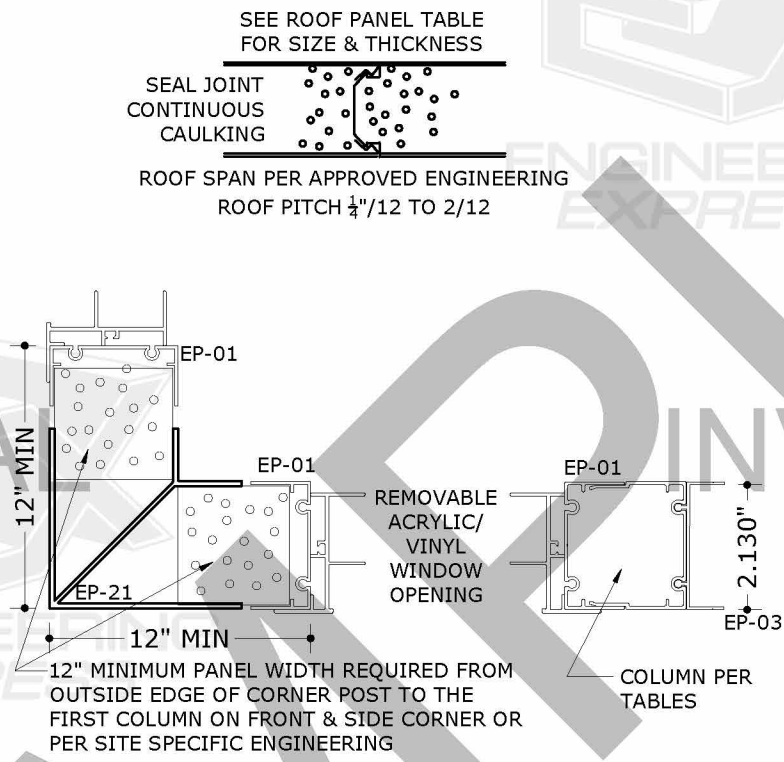
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CONNECTIONS:

1 CONNECTION TO STRUCTURE:
WOOD OR CONCRETE

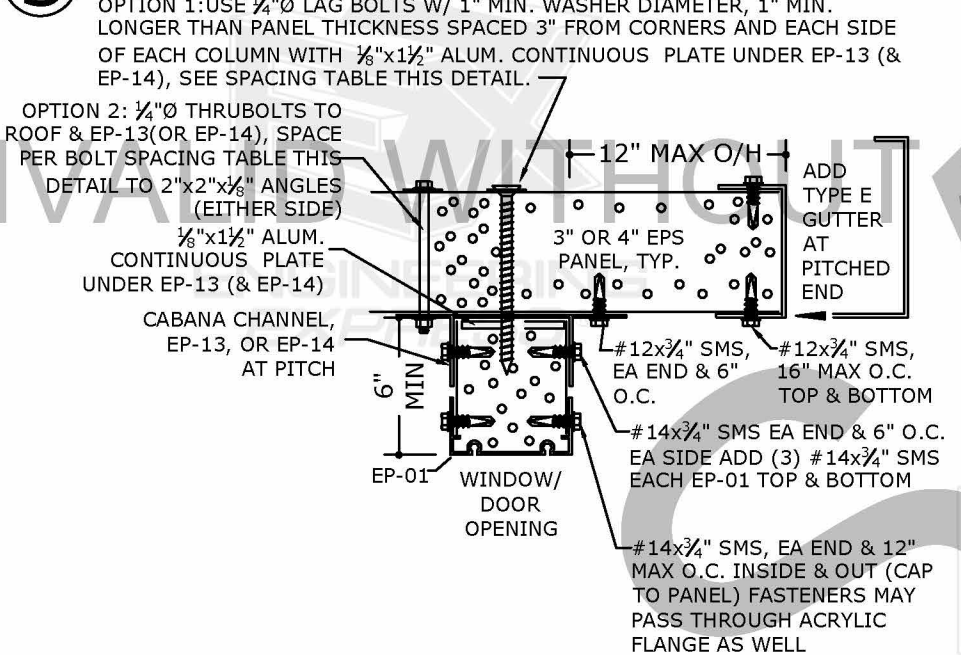


2 ROOF PANEL CONNECTION
FRONT ELEVATION



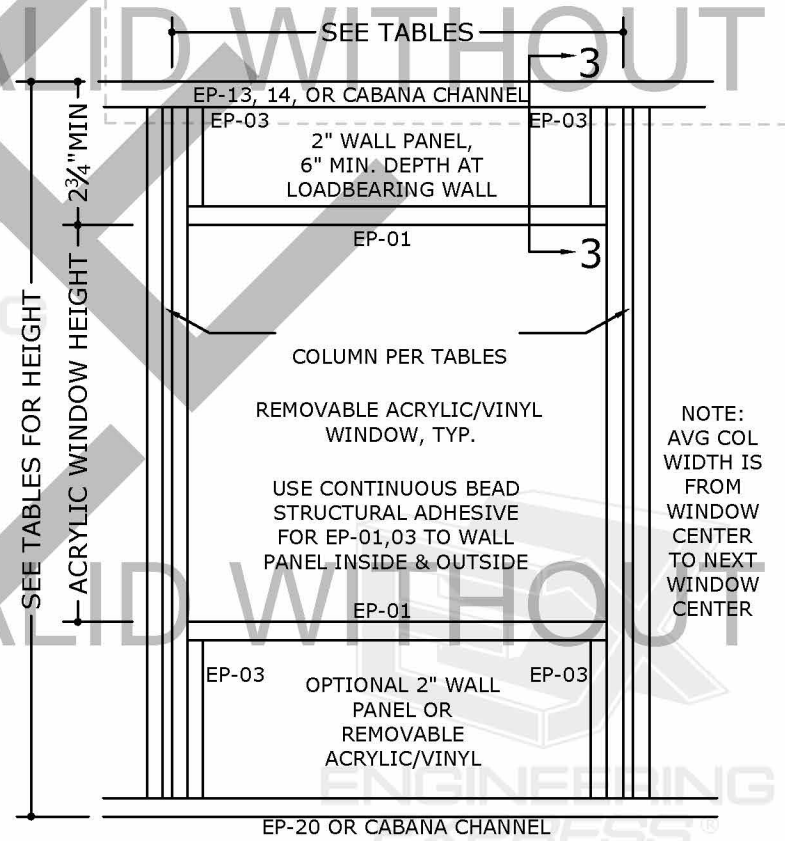
A-A: WALL SECTION THRU WINDOW

3 WALL TO ROOF SECTION

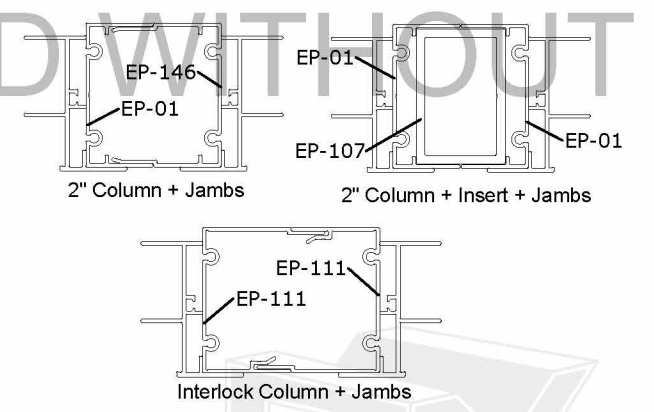


B-B: SECTION THROUGH BASE

TYPICAL ELEVATION



TYPICAL COLUMN SECTIONS



PE SEAL REQUIRED

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3 OF 4


C:\Users\frankb\Engineering Express\Production - Documents\Projects\20-30310 Roof 2 in Naturscape\WP\20-30310a Roof 2 in Naturscape.dwg

2" Column + Jambs

COLUMN TABLE NOTES:

-
- 2" Column + Insert + Jamb

Column Type	Max Roof Span S(ft)	Windload (psf)	Wind Load (psf)	AVG Column Spacing W(ft)				
				2	3	4	5	6
Naturescape 2" (2*Female+Interlock+Jamb)	10	20	10	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
			10	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
			10	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
			10	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
		30	10	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
			10	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
			10	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
			10	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"
		40	10	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"
			10	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"
			10	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"
			10	10'-0"	10'-0"	10'-0"	10'-0"	8'-9"
		50	10	10'-0"	10'-0"	10'-0"	10'-0"	8'-9"
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		40	10	10'-0"	10'-0"	9'-7"	8'-0"	6'-3"
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			10	10'-0"	10'-0"	9'-7"	8'-0"	6'-3"
		50	10	10'-0"	10'-0"	8'-2"	6'-3"	4'-4"
			10	10'-0"	10'-0"	8'-2"	6'-3"	4'-4"
			10	10'-0"	10'-0"	8'-2"	6'-3"	4'-4"
			10	10'-0"	10'-0"	8'-2"	6'-3"	4'-4"



Interlock Column + Jamb

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