NON-IMPACT, NON-HABITABLE SPACE

FASCIA OR CONCRETE/

MASONRY WALL

SEE SEPARATE ENCINEERING FOR

DOOR HEADER

3 4" X 3 4" ALUMINUM

TUBE (6063-T5 MIN)

JAMB STIFFENERS:

(6063-T5 MIN)

3 1 X 3 1 ALUMINUM TUBE

MASTER PLAN

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POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH ASCE 7-16 & CHAPTER 16 OF THE 2020 FLORIDA BUILDING CODE (7TH EDITION), 2017 FLORIDA BUILDING CODE (6TH EDITION) & THE 2012/2015/2018 IBC/IRC, 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.
DESIGN SHALL UTILIZE ASD DESIGN METHOD USING ASCE 7-16 OR ASCE 7-10 BASED ON

APPLICABLE CODE..

APPLICABLE CODE.:
THIS DOCUMENT DOES **NOT CERTIFY PRODUCT FOR USE AS A HABITABLE STRUCTURE.
**AAMA 2100 SUNROOM CLASSIFICATION II, III, OR IV ONLY.

GENERAL NOTES:

1) THE EXISTING STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED SUNROOM

AS DETERMINED BY OTHERS. NO WARRANTY IS CONTAINED HEREIN.

1) 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.

2) ALL EXTRUSIONS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 OR BETTER.

ALL FASTENERS TO BE ASTM F593, CW 316 STAINLESS STEEL, SAE GRADE 2 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.

3) FASTENERS SHALL HAVE A HEAD AND/OR BE PROVIDED WITH ½" 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

4) ANY FASTENER STRIPPED OR NOT ADEQUATELY HOLDING SHALL BE REPLACED.
5) THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALUMINUM MEMBERS FROM DISSIMILAR METALS TO PREVENT ELECTROLYSIS.

ALL CONCRETE ANCHORS MUST BE CARBON STEEL ULTRACONS BY 'ELCO' OR EQUIVALENT W/ 13/4" EMBED, 2 1/2" MIN. EDGE DISTANCE, FASTENED TO MINIMUM 3192PSI

7) 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. SUPERIOR MASON CAN PROVIDE UL1715 (INTERIOR) OR CLASS A(EXTERIOR) PANEL TO SATISFY CODE PROVIDED ALUM. & EPS MEET SPECS ÁBOVE.

WINDOWS AND 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**. SHUTTERS SHALL NOT BE INSTALLED TO THIS ENCLOSURE. WHEN REQUIRED BY CODE, AN APPROVED IMPACT PROTECTION SYSTEM SHALL BE INSTALLED AT THE HOST STRUCTURE. HOST STRUCTURE DOORS AND WINDOWS ARE NOT TO BE REMOVED EXITING TO THIS ENCLOSURE. THIS ENCLOSURE IS NON-HABITABLE SPACE.

8) ALUMINUM MEMBERS IN CONTACT WITH CONCRETE & WOOD SHALL BE PROTECTED BY

ELECTRICAL GROUND AND ALL RELATED WIRING AND CONSIDERATIONS TO BE DESIGNED BY OTHERS AS REQUIRED. 10) EXISTING WOOD HOST STRUCTURE SHALL BE #2 SYP MIN. EXISTING METAL HOST

STRUCTURE SHALL BE A36 STEEL OR 6063-T6 MIN ALUMINUM #" THICK MIN. EXISTING CONCRETE HOST STRUCTURE SHALL BE 3000 PSI MIN. STRUCTURAL ADHESIVE SHALL HAVE 1500 PSI MIN BOND STRENGTH, CONTINUOUS BEAD, PROVIDED AT ALL SURFACES & JOINTS

11) THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION R 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.

12) ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. NO MEP WORK IS IMPLIED OR CERTIFIED & SHALL BE BY OTHERS. 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 13) EXCEPT AS EXPRESSLY PROVIDED IN THIS SPECIFICATION, NO ADDITIONAL

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PRODUCTS

MASON

SUPERIOR

MONOSLOPE ROOF SUNROOF SYSTEM MASTER PLAN

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(SINGLE OR DOUBLE)

AS NEEDED. NOT ALL PANELS

ARE SHOWN FOR CLARITY

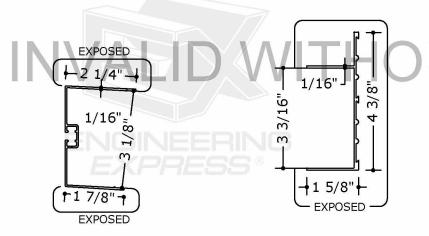
NOTE: SYSTEM MAY BE WIDER

EXTRUSIONS:

PART# 381

WALL HANGER

6063-T6 OR BETTER



5/16" 1/16" 1/16" **EXPOSED**

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1 1/4" **EXPOSED**

PART# 1205 ANGLE MEMBER

PART# 257 DECORATIVE GUTTER FASCIA

PART# 259

DECORATIVE FASCIA

.055"

DOOR JAMB / HEADER:

3 1/4" X 3 1/4" X .055" ALUMINUM TUBE (6063-T5 MIN)

-1 1/16" 3 1/4" --1 3/8" -5 1/2" EXPOSED **EXPOSED EXPOSED EXPOSED** -3 1/4"-1/2" 7/8" -1/16" EXPOSED EXPOSED **EXPOSED** EXPOSED -3 3/8" -3 11/16" 1 3/8" **PART# 3713** PART# 3714 TOP CAP PART# 3702 CORNER POST **PART# 3704 PART# 3719** PART# 3712 MALE H CHANNEL **BASE CHANNEL ELECTRICAL BOX CAVITY FEMALE H CHANNEL**

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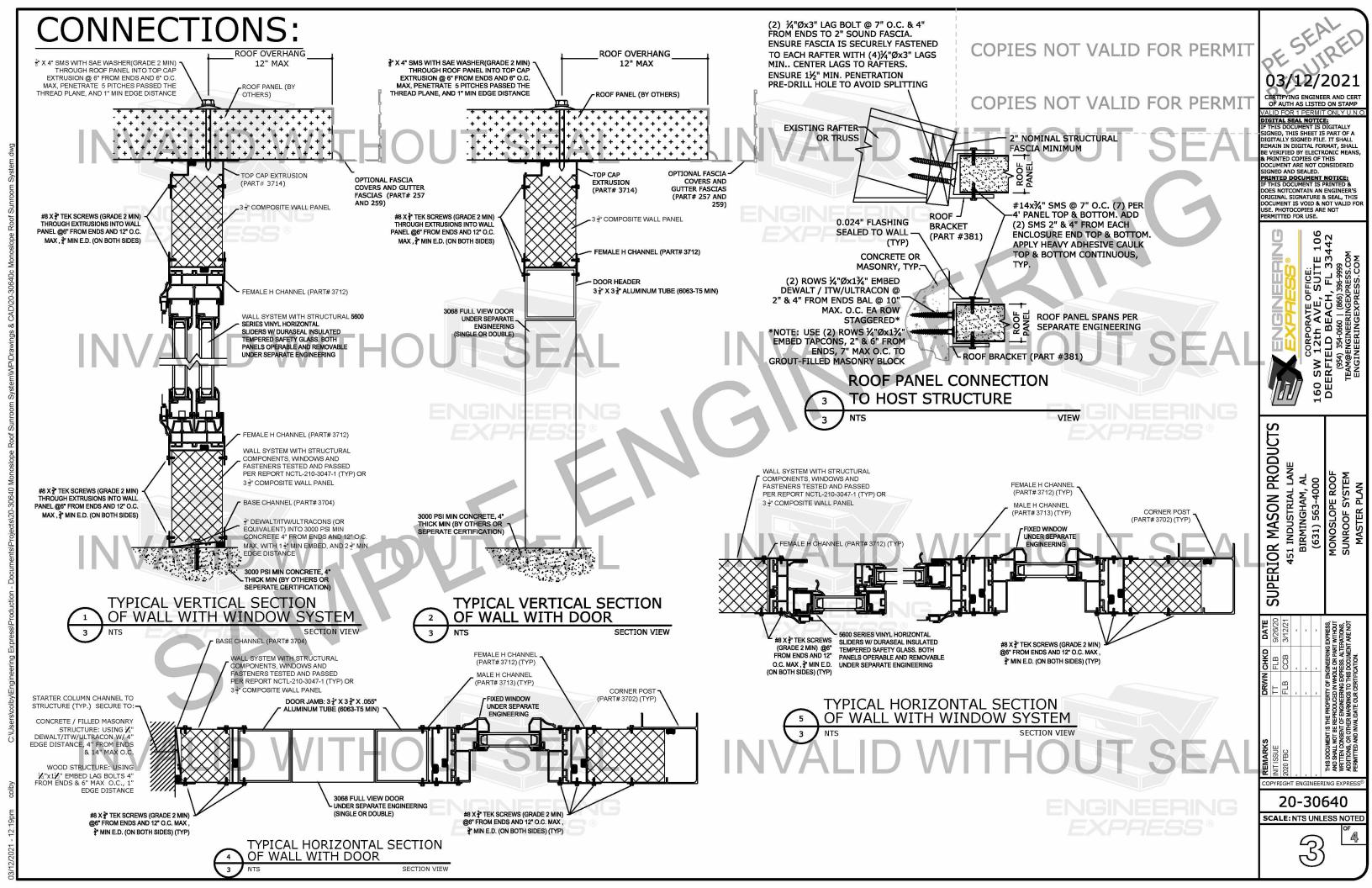
SUPERIOR MASON PRODUCTS

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COLUMN ALLOWABLE HEIGHT TABLE:

TABLE 1:

COLUMN	MAX ROOF SPAN S(FT)	LIVE LOAD GRAVITY (PSF)	WIND LOAD (PSF)	AVG COLUMN SPACING W(FT)				
TYPE				2	3	4	5	6
H-MULL (PART NO. 3712)	NG10 EEF	20	20	10'-0''	9'-5"	8'-0''	7'-5''	7'-5''
			30	10'-0''	8'-7''	7'-6''	6'-9''	6'-5''
			40	9'-3''	7'-7"	6'-8"	6'-0''	5'-8''
			50	8'-5"	7'-0''	6'-1"	5'-5"	5'-2''
	/ALID	50 VIT	20	10'-0"	8'-7"	5'-10''	-	_
			30	10'-0"	7'-1"	4'-10''		=
			40	9'-1"	6'-3"	4'-3"	-	- 11
			50	8'-3"	5'-8"	7	-	_

- 2015 ALUMINUM DESIGN MANUAL, ALLOWABLE STRESS DESIGN METHOD USED IN ALL TABLES.
- DEFLECTION LIMIT = L/180 AT GLASS POINTS.
- CUSTOM WINDOWS STRUCTURAL 5600 SERIES VINYL HORIZONTAL SLIDERS W/ DURASEAL JAMBS USED FOR CALCULATIONS, ANY SUPERIOR MASON ALUMINUM WINDOWS CAN BE SUBSTITUTED, OR OTHER MANUFACTURER EQUIVALENT WINDOW AS VERIFIED BY OTHERS.
- RIGHT OF THE BEAM (AVERAGE COLUMN SPACING, SEE FIGURE.
- OTHER SUPPORTING STRUCTURES (SUPPORTING STRUCTURES BY OTHERS).
- *LIVE LOADS SPECIFIED HEREIN LIST THE ALLOWABLE ROOF LIVE LOAD AND MAY BE SUBSTITUTED WITH THE REQUIRED SNOW LOAD (NOT CONCURRENTLY WITH THE ROOF LIVE LOAD, BUT CONCURRENT WITH WIND) PROVIDED THE PROJECT SITE IS CERTIFIED BY A PROFESSIONAL ENGINEER BASED ON PROJECT CONDITIONS.

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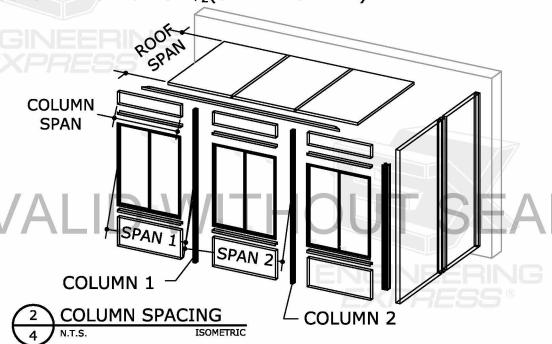
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FOR COLUMN SPACING TOP CAP EXTRUSION (PART# 3714) ALUMNIUM WALL PANEL, SEE TABLES FOR MAX SPAN FEMALE H CHANNEI (PART# 3712) COLUMNS FEMALE H CHANNEL (PART# 3712) OPTIONAL 3 & COMPOSITE PANEL OR GLASS BASE CHANNEL (PART# 3704)



COLUMN SPACING DEFINED:

- COLUMN 1 SPACING= (1/2 * SPAN 1)
- COLUMN 2 SPACING= ½(SPAN 1+SPAN 2)



SUPERIOR MASON PRODUCTS

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TABLE 1 NOTES:

- VERIFY ALL LOADING REQUIREMENTS WITH BUILDING DEPARTMENT.
- COLUMN SPACING IS HALF THE DISTANCE TO THE LEFT ADDED TO HALF THE DISTANCE TO THE
- 6) VALUES BELOW ALLOWABLE CEILING HEIGHT INTENDED TO BE BUILT ON KNEEWALLS OR