

# MODULAR ROOMS

GLASS WALL ROOM SYSTEM

## PERFORMANCE EVALUATION

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- THIS ENCLOSURE IS ONLY CERTIFIED AS NON-HABITABLE PER AAMA 2100

- THIS ENCLOSURE DOES NOT QUALIFY FOR LARGE MISSILE IMPACT RESISTANCE UNDER ANY CIRCUMSTANCE

THIS IS A NON-SITE-SPECIFIC PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

ATTACHMENT OF GLAZING 3" SNAP-N-LOCK COMPOSITE PRODUCTS TO MULLIONS EXISTING HOST STRUCTURE BY OTHERS, TYP. PANEL PER SEPARATE TO BE PER SEPARATE APPROVAL PRODUCT ENGINEERING BY OTHERS EXISTING 3KSI CONCRETE SLAB OR WOOD DECK (G=0.55 MIN. WOOD) BY OTHERS, TYP.

EXPLODED

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#### DESIGN NOTES:

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 STRUCTURAL REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH (2020) & 8TH (2023) EDITIONS AND THE 2021/2018 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 7-22 BASED.

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

#### GENERAL NOTES:

- STRUCTURE SHALL BE FABRICATED IN ACCORDANCE WITH ALL GOVERNING CODES. CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS
- THE ARCHITECT/ENGINEER OF RECORD OR PERMITTING CONTRACTOR FOR THE PROJECT SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES.
- THE HOST STRUCTURE SHALL NOT BE MODIFIED WITH THIS DESIGN ALL EXISTING WINDOWS, DOORS, AND WALLS SHALL REMAIN IN PLACE. WHERE IMPACT PROTECTION IS REQUIRED, IT SHALL BE PLACED AT THE HOST STRUCTURE, NOT ON THE SUNROOM.
- ALL FASTENERS TO BE #12 OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.1 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE AS NOTED HEREIN. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- ALL CONCRETE ANCHORS SHALL BE INSTALLED TO NON-CRACKED CONCRETE ONLY. **MATERIALS**
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ALL ALUMINUM SHALL BE 6063-T6 ALLOY AND TEMPER UNLESS NOTED OTHERWISE.
- 10. ALL CONCRETE TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS.
- ANY WOOD USED IN A PRIMARY CONNECTION SHALL BE SYP#2 OR BETTER 11.
- 12. ENGINEER SEAL AFFIXED HERETO VALIDATES 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.
- 13. THIS ENGINEER HAS NOT VISITED THIS JOBSITE. INFORMATION CONTAINED HEREIN IS BASED ON CONTRACTOR SUPPLIED DATA AND MEASUREMENTS. THIS ENGINEER SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. WORK SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THIS ENGINEER SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO REEVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS.
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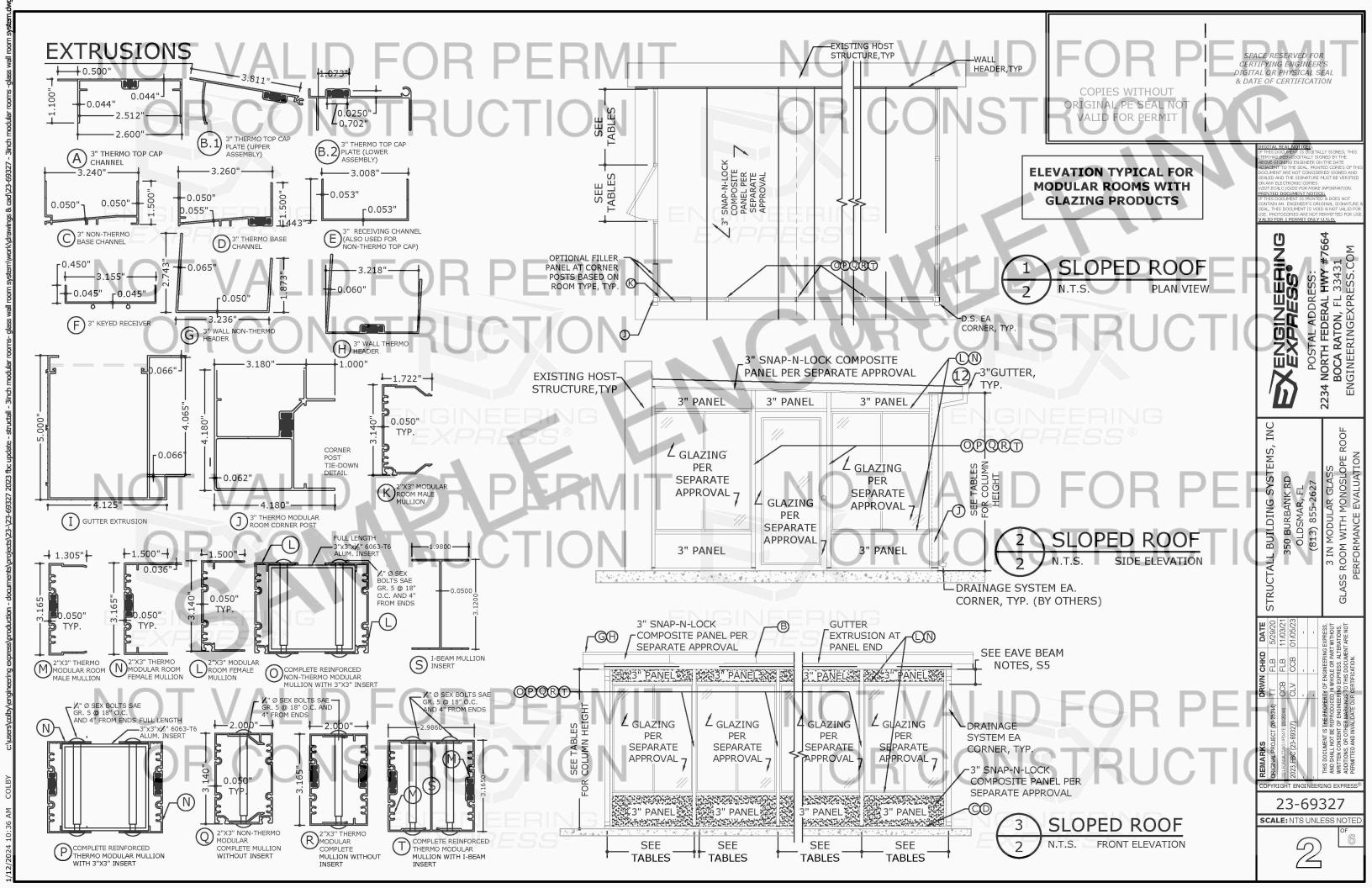
3 IN MODULAR GLASS SS ROOM WITH MONOSLOPI PERFORMANCE EVALUATIO

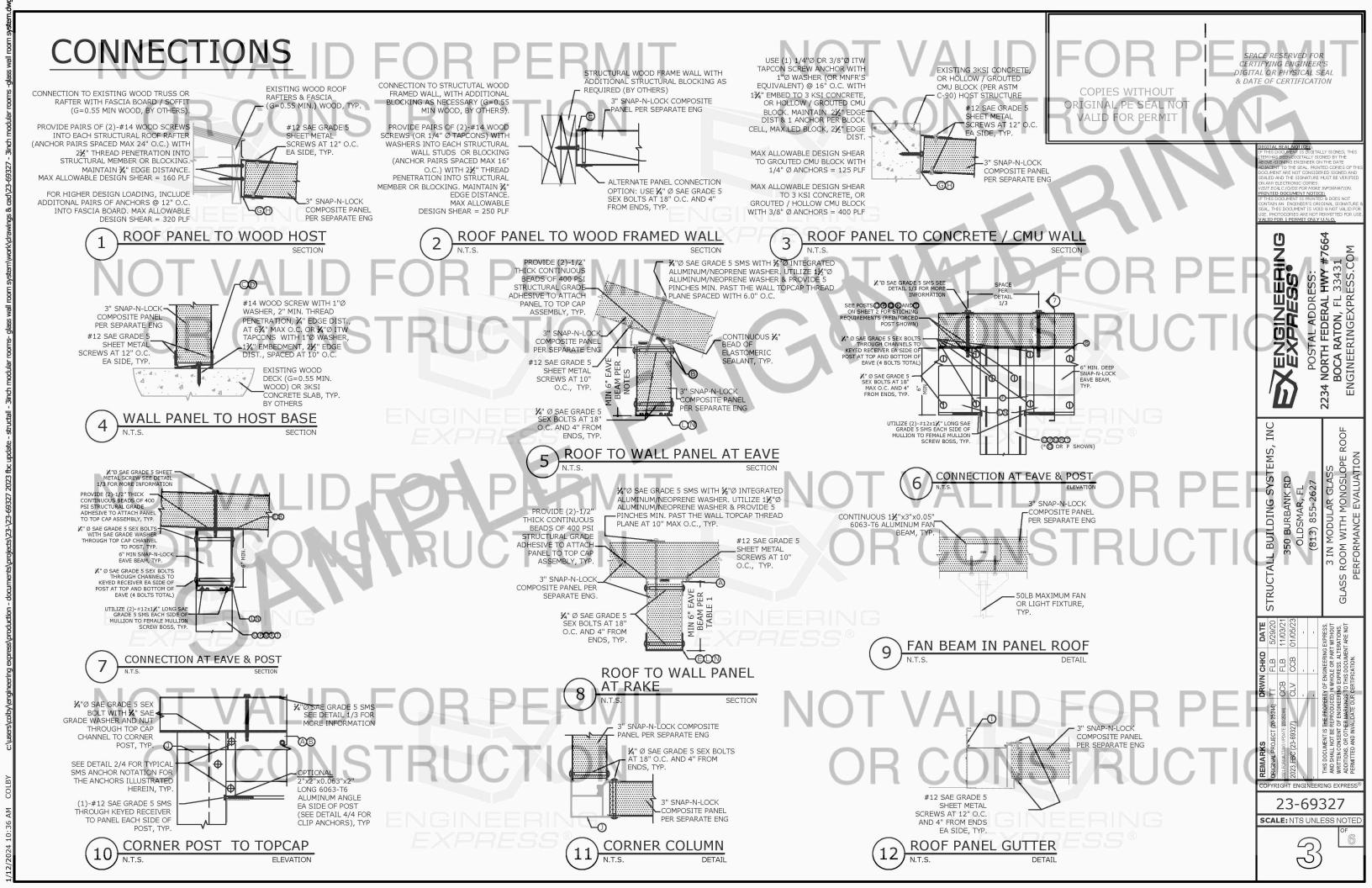
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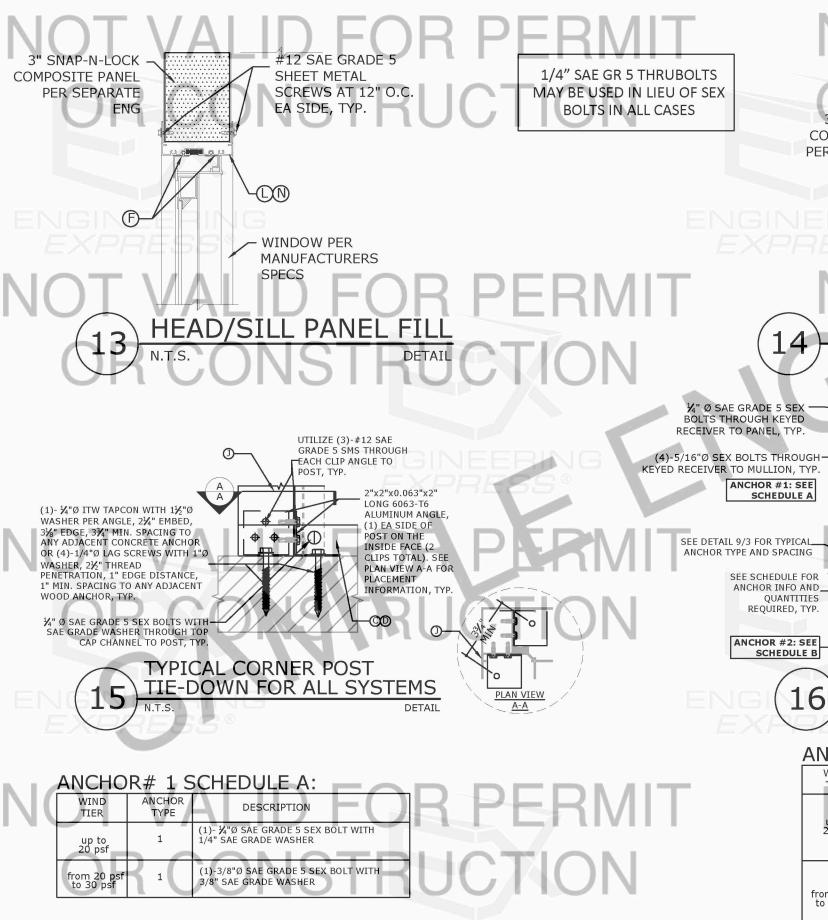
BUILDING SYST

GLASS

23-69327 SCALE: NTS UNLESS NOTE







WIND JAMB AT PANEL FILI

FOR SEX BOLT REQUIREMENTS

FOR STITCHING

3" SNAP-N-LOCK 7 COMPOSITE PANEL

PER SEPARATE ENG

¼" Ø SAE GRADE 5 SEX BOLTS AT 18" -O.C. AND 4" FROM ENDS, TYP.

WINDOW PER **MANUFACTURERS SPECS** 

3" SNAP-N-LOCK PANEL, TYP. PER

SEPARATE ENG

SEE DETAIL 9/3 FOR

AND SPACING

EXISTING 3KSI

OTHERS, TYP.

DETAIL

TYPICAL ANCHOR TYPE

CONCRETE OR WOOD (G=0.55 MIN.) HOST STRUCTURE BY

-COD

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3 IN MODULAR GLASS GLASS ROOM WITH MONOSLOPE PERFORMANCE EVALUATION

STRUCTALL BUILDING SYSTEMS,

23-69327 SCALE: NTS UNLESS NOTE

ANCHOR #2 SCHEDULE B.

OPORT-

| <u>/ (14 C) 10</u>       | 10 11 2 3 3 1             | ILDOLL D.  |  |  |  |  |
|--------------------------|---------------------------|--|--|--|--|--|
| WIND<br>TIER             | ANCHOR 2<br>SUBSTRATE     | QUANTITY REQUIRED  |  |  |  |  |
| up to<br>20 psf          | CONNECTION<br>AT CONCRETE | (2)-3/8"Ø ITW TAPCONS WITH 1½"Ø WASHER,<br>2½" EMBED, 3" EDGE, 4" SPACING, TYP.  |  |  |  |  |
| 20 psi                   | CONNECTION<br>AT WOOD     | (3)-1/4"Ø LAG SCREWS 1½"Ø WASHER, 2½"<br>THREAD PENETRATION, 1" EDGE, 1" SPACING |  |  |  |  |
| from 20 psf<br>to 30 psf | CONNECTION<br>AT CONCRETE | (2)-3/8"Ø ITW TAPCONS WITH 1½"Ø WASHER,<br>2½" EMBED, 3" EDGE, 4" SPACING, TYP.  |  |  |  |  |
|                          | CONNECTION<br>AT WOOD     | (4)-1/4"Ø LAG SCREWS 1½"Ø WASHER, 2½"<br>THREAD PENETRATION, 1" EDGE, 1" SPACING |  |  |  |  |
|                          |                           |  |  |  |  |  |

TYPICAL POST CONNECTION

FOR GLASS WALL SYSTEMS

# TABLE 1 POST HEIGHT TABLES

|             |                            |                               | $//\rangle$                   |                              |         |         |         |              |  |
|-------------|----------------------------|-------------------------------|-------------------------------|------------------------------|---------|---------|---------|--------------|--|
|             | MAX ROOF<br>SPAN S<br>(FT) | LIVE LOAD<br>GRAVITY<br>(PSF) | LATERAL<br>WIND LOAD<br>(PSF) | AVERAGE COLUMN SPACING W(FT) |         |         |         |              |  |
| TYPE        |                            |                               |                               | 3'-0"                        | 4'-0"   | 5'-0"   | 6'-0"   | 7'-0"        |  |
|             |                            |                               |                               | ALLOWABLE POST HEIGHT (FT)   |         |         |         |              |  |
|             |                            |                               | 20 PSF                        | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0''      |  |
|             |                            | 20 DCE                        | 30 PSF                        | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-8''  | 8'-9''       |  |
|             |                            | 20 PSF                        | 40 PSF                        | 10'-0''                      | 10'-0'' | 9'-4''  | 8'-4''  | 7'-7''       |  |
| <u> </u>    |                            |                               | 50 PSF                        | 10'-0''                      | 9'-5''  | 8'-4''  | 7'-6''  | 6'-10''      |  |
| Female)     |                            | 30 PSF                        | 20 PSF                        | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0''      |  |
| Fen         |                            |                               | 30 PSF                        | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-2''  | 8'-3''       |  |
| e+          |                            |                               | 40 PSF                        | 10'-0''                      | 10'-0"  | 9'-0''  | 8'-0''  | <b>7'-2"</b> |  |
| Room (Male+ | 12'-0"                     |                               | 50 PSF                        | 10'-0''                      | 9'-2"   | 8'-0''  | 7'-1''  | 6'-5"        |  |
| _ m         | 12-0                       |                               | 20 PSF                        | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 9'-6''       |  |
| 300         |                            | 40 PSF                        | 30 PSF                        | 10'-0"                       | 10'-0'' | 9'-11"  | 8'-9''  | 7'-9''       |  |
| l pc        |                            |                               | 40 PSF                        | 10'-0''                      | 9'-11'' | 8'-7''  | 7'-7''  | 6'-9''       |  |
| Mod         |                            |                               | 50 PSF                        | 10'-0''                      | 8'-10'' | 7'-8''  | 6'-9''  | 6'-0''       |  |
|             |                            |                               | 20 PSF                        | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 9'-0''       |  |
|             |                            |                               | 30 PSF                        | 10'-0''                      | 10'-0'' | 9'-6''  | 8'-3''  | 7'-3''       |  |
|             |                            | 50 PSF                        | 40 PSF                        | 10'-0''                      | 9'-7''  | 8'-2''  | 7'-2''  | 6'-4''       |  |
|             |                            |                               | 50 PSF                        | 10'-0''                      | 8'-7''  | 7'-4''  | 6'-5"   | 5'-8''       |  |

### TABLE 2

|                                   |          |           | <del>/ A      </del> |                              |         |         |         |         |  |
|-----------------------------------|----------|-----------|----------------------|------------------------------|---------|---------|---------|---------|--|
|                                   | MAX ROOF | LIVE LOAD | LATERAL              | AVERAGE COLUMN SPACING W(FT) |         |         |         |         |  |
| COLUMN<br>TYPE                    | SPAN S   | GRAVITY   | WIND LOAD            | 3'-0"                        | 4'-0"   | 5'-0"   | 6'-0"   | 7'-0"   |  |
|                                   | (FT)     | (PSF)     | (PSF)                | ALLOWABLE POST HEIGHT (FT)   |         |         |         |         |  |
|                                   | 1        |           | 20 PSF               | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0'' |  |
|                                   |          | 20 DSE    | 30 PSF               | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-5''  | 8'-7''  |  |
| (a)                               | ENIC     | 20 PSF    | 40 PSF               | 10'-0''                      | 10'-0'' | 9'-2''  | 8'-3"   | 7'-7''  |  |
| nal                               | -125     |           | 50 PSF               | 10'-0''                      | 9'-3''  | 8'-3''  | 7'-6''  | 6'-11'' |  |
| Fer                               |          | 30 PSF    | 20 PSF               | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0'' |  |
| <u>e</u> +                        |          |           | 30 PSF               | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-8''  | 8'-10'' |  |
| Σ                                 | 10       |           | 40 PSF               | 10'-0''                      | 10'-0'' | 9'-3''  | 8'-5''  | 7'-9''  |  |
| E                                 | 12'-0"   |           | 50 PSF               | 10'-0''                      | 9'-4''  | 8'-4''  | 7'-6"   | 7'-0"   |  |
| Roo                               | 12-0     |           | 20 PSF               | 10'-0''                      | 10'-0"  | 10'-0'' | 10'-0"  | 10'-0'' |  |
| ро                                |          | 40 DCE    | 30 PSF               | 10'-0''                      | 10'-0"  | 10'-0'' | 9'-8"   | 9'-0''  |  |
| Σ                                 | (        | 40 PSF    | 40 PSF               | 10'-0"                       | 10'-0"  | 9'-3''  | 8'-5"   | 7'-9''  |  |
| r a                               |          | 1 1       | 50 PSF               | 10'-0''                      | 9'-4''  | 8'-4''  | 7'-7"   | 7'-0''  |  |
| 3" Thermo Mod Room (Male+ Female) |          | 50 PSF    | 20 PSF               | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0'' |  |
|                                   |          |           | 30 PSF               | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-9''  | 9'-0''  |  |
|                                   |          |           | 40 PSF               | 10'-0''                      | 10'-0'' | 9'-3''  | 8'-5"   | 7'-9''  |  |
|                                   |          |           | 50 PSF               | 10'-0''                      | 9'-4''  | 8'-4''  | 7'-7''  | 7'-0''  |  |

# EAVE BEAM AL

EAVE BEAM CLEAR SPAN ISOMETRIC DETAIL\*

FOR P

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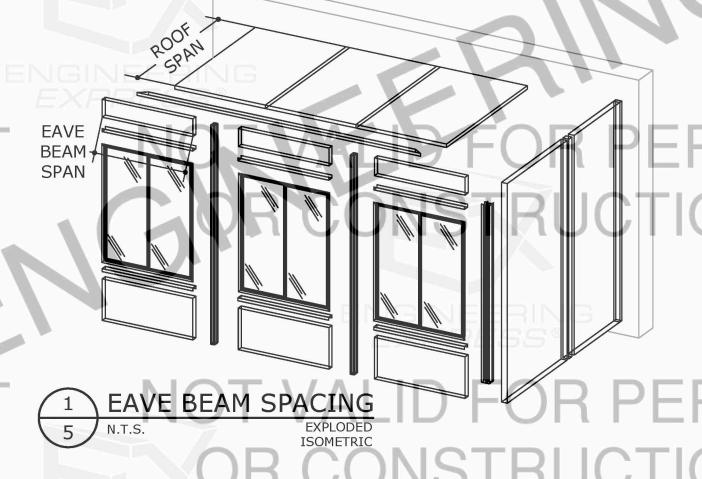
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#### **FOAM PANEL EAVE BEAM NOTES:**

#### 6" PANEL DEPTH:

EAVE BEAM SPAN= 5'-0" UP TO 50PSF EAVE BEAM SPAN= 6'-0" UP TO 40PSF MAX ALLOWABLE CLEAR ROOF SPAN= 12'-0"

### 7" OR GREATER PANEL DEPTH: EAVE BEAM SPAN= 6'-0" UP TO 60PSF

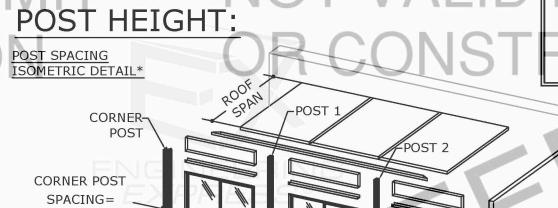
AT 16' CLEAR ROOF SPAN

SITE SPECIFIC ENGINEERING FOR ADDITIONAL SPANS DEFLECTION LIMIT = L/180.

| MAX ROO        |  | DOF LIVE LOAD                       | LATERAL   | AVERAGE COLUMN SPACING W(FT) |         |         |         |         |  |
|----------------|--|-------------------------------------|-----------|------------------------------|---------|---------|---------|---------|--|
| COLUMN<br>TYPE | SPAN S   | GRAVITY                             | WIND LOAD | 3'-0"                        | 4'-0"   | 5'-0"   | 6'-0"   | 7'-0"   |  |
|                | (FT)   | (PSF)                               | (PSF)     | ALLOWABLE POST HEIGHT (FT)   |         |         |         |         |  |
|                |  |                                     | 20 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0'' |  |
| ert            |  | 20 DCE                              | 30 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-8''  | 8'-9''  |  |
| ins            |  | 20 PSF<br>30 PSF<br>2'-0"<br>40 PSF | 40 PSF    | 10'-0''                      | 10'-0'' | 9'-4''  | 8'-4''  | 7'-7''  |  |
| 3x3            |  |                                     | 50 PSF    | 10'-0''                      | 9'-5"   | 8'-4''  | 7'-6''  | 6'-10'' |  |
| /w             | ICIN   |                                     | 20 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0'' |  |
| le)            |  |                                     | 30 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-2''  | 8'-3''  |  |
| ma             |  |                                     | 40 PSF    | 10'-0''                      | 10'-0'' | 9'-0''  | 8'-0''  | 7'-2"   |  |
| F.             | 121.00   |                                     | 50 PSF    | 10'-0''                      | 9'-2"   | 8'-0''  | 7'-1''  | 6'-5''  |  |
| a e            | 12-0   |                                     | 20 PSF    | 10'-0''                      | 10'-0"  | 10'-0'' | 10'-0'' | 9'-6''  |  |
| e m            |  |                                     | 30 PSF    | 10'-0''                      | 10'-0"  | 9'-11'' | 8'-9''  | 7'-9''  |  |
| n (F           |  |                                     | 40 PSF    | 10'-0''                      | 9'-11'' | 8'-7''  | 7'-7''  | 6'-9''  |  |
| 00             | 3" Mod Room (Female+ Female) w/ 3x3 insert  T  O |                                     | 50 PSF    | 10'-0"                       | 8'-10"  | 7'-8''  | 6'-9"   | 6'-0''  |  |
| S<br>R         |  |                                     | 20 PSF    | 10'-0"                       | 10'-0'' | 10'-0'' | 10'-0"  | 9'-0''  |  |
| β              |  | EO DCE                              | 30 PSF    | 10'-0"                       | 10'-0'' | 9'-6''  | 8'-3"   | 7'-3"   |  |
| 3              |  | 50 PSF                              | 40 PSF    | 10'-0''                      | 9'-7''  | 8'-2''  | 7'-2''  | 6'-4''  |  |
|                |  |                                     | 50 PSF    | 10'-0''                      | 8'-7''  | 7'-4''  | 6'-5"   | 5'-8"   |  |

## TABLE 4

| COLUMN<br>TYPE MAX ROC<br>SPAN S<br>(FT)             | BAAY DOOF | LIVE LOAD<br>GRAVITY | LATERAL   | AVERAGE COLUMN SPACING W(FT) |         |         |         |         |  |
|--|-----------|----------------------|-----------|------------------------------|---------|---------|---------|---------|--|
|  | SPAN S    |                      | WIND LOAD | 3'-0"                        | 4'-0"   | 5'-0"   | 6'-0"   | 7'-0"   |  |
|  | (F1)      | (PSF)                | (PSF)     | ALLOWABLE POST HEIGHT (FT)   |         |         |         |         |  |
| co   |           |                      | 20 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0"  |  |
| 3×   |           | 30 DCE               | 30 PSF    | <b>10'-0''</b>               | 10'-0'' | 10'-0'' | 9'-5"   | 8'-7''  |  |
| <u>×</u>   |           | 20 PSF               | 40 PSF    | 10'-0''                      | 10'-0'' | 9'-2"   | 8'-3''  | 7'-7''  |  |
| ale)   |           |                      | 50 PSF    | 10'-0''                      | 9'-3''  | 8'-3''  | 7'-6''  | 6'-11'' |  |
| e H  |           | 30 PSF<br>40 PSF     | 20 PSF    | 10'-0"                       | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0"  |  |
| t - N  | JEI       |                      | 30 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-8''  | 8'-10'' |  |
| nale   |           |                      | 40 PSF    | 10'-0''                      | 10'-0'' | 9'-3''  | 8'-5''  | 7'-9''  |  |
| n (Ferr<br>insert                                    | 121.00    |                      | 50 PSF    | 10'-0''                      | 9'-4''  | 8'-4''  | 7'-6''  | 7'-0''  |  |
| E ig   | 12'-0"    |                      | 20 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0'' | 10'-0'' |  |
| 3" Thermo Mod Room (Female+ Female) w/ 3x3<br>insert |           |                      | 30 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-8''  | 9'-0''  |  |
| Po   | $\cap$ T  |                      | 40 PSF    | 10'-0''                      | 10'-0'' | 9'-3"   | 8'-5"   | 7'-9"   |  |
| Σ  |           |                      | 50 PSF    | 10'-0"                       | 9'-4''  | 8'-4''  | 7'-7"   | 7'-0''  |  |
| E T  |           | / I V                | 20 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 10'-0"  | 10'-0'' |  |
| Pe   |           | FORCE                | 30 PSF    | 10'-0''                      | 10'-0'' | 10'-0'' | 9'-9''  | 9'-0''  |  |
| <br>   |           | 50 PSF               | 40 PSF    | 10'-0''                      | 10'-0'' | 9'-3''  | 8'-5"   | 7'-9"   |  |
|  |           | 1 \                  | 50 PSF    | 10'-0''                      | 9'-4''  | 8'-4"   | 7'-7"   | 7'-0"   |  |



SPACING= (½\*SPAN 1) POST 2 SPACING= (½\*SPAN 2) +(½\*SPAN 3) 1 POST SPACING
6 N.T.S.

EXPLODED ISOMETRIC

TABLE 5

| COLUMN<br>TYPE MAX ROOF<br>SPAN S<br>(FT)           | MAN BOOF         | LIVE LOAD         | LATERAL                    | AVERAGE COLUMN SPACING W(FT) |        |        |                |           |  |
|---|------------------|-------------------|----------------------------|------------------------------|--------|--------|----------------|-----------|--|
|   | GRAVITY<br>(PSF) | GRAVITY WIND LOAD | 3'-0"                      | 4'-0"                        | 5'-0"  | 6'-0"  | 7'-0"          |           |  |
|   |                  |                   | ALLOWABLE POST HEIGHT (FT) |                              |        |        |                |           |  |
| _   |                  |                   | 20 PSF                     | 9'-7"                        | 8'-1"  | 7'-0'' | 6'-2"          | 5'-6"     |  |
| am  |                  | 20 DCE            | 30 PSF                     | 7'-10''                      | 6'-7'' | 5'-8"  | 5'-0''         | 4'-6''    |  |
| Be  |                  | 20 PSF            | 40 PSF                     | 6'-10''                      | 5'-8"  | 5'-0'' | 4'-4"          |           |  |
| >   |                  |                   | 50 PSF                     | 6'-1''                       | 5'-1'' | 4'-5"  | ) <del>-</del> | <u>;-</u> |  |
| e e   |                  | 30 PSF            | 20 PSF                     | 9'-2"                        | 7'-6'' | 6'-4'' | 5'-6''         | 4'-9''    |  |
| Š   | JEIN             |                   | 30 PSF                     | 7'-6''                       | 6'-2'' | 5'-2'' | 4'-6''         | -         |  |
| <u>+</u>  | 12/01/           |                   | 40 PSF                     | 6'-6''                       | 5'-4'' | 4'-6"  | -              | ~         |  |
| m (Ma<br>Insert)                                    |                  |                   | 50 PSF                     | 5'-9''                       | 4'-9'' | 4'-0'' | -              | -         |  |
| mc<br>Ins   | 12'-0"           |                   | 20 PSF                     | 8'-8"                        | 7'-0'' | 5'-9'' | 4'-10''        | 4'-0''    |  |
| Roc   |                  | 40 DCE            | 30 PSF                     | 7'-1''                       | 5'-8'' | 4'-8'' | -              | -         |  |
| <u>0</u>  |                  | 40 PSF            | 40 PSF                     | 6'-2''                       | 5'-0'' | 4'-1"  | 1              |           |  |
| 2   |                  |                   | 50 PSF                     | 5'-6"                        | 4'-5"  |        | )              | 1         |  |
| 3" Thermo Mod Room (Male+ Male W/ I Beam<br>Insert) |                  |                   | 20 PSF                     | 8'-2"                        | 6'-5"  | 5'-2"  | 4'-2''         |           |  |
| The   |                  | EO DCE            | 30 PSF                     | 6'-8''                       | 5'-3'' | 4'-2"  |                |           |  |
| <u>~</u>  |                  | 50 PSF            | 40 PSF                     | 5'-10"                       | 4'-6"  | 15     | C.             |           |  |
|   |                  |                   | 5 <b>0</b> PSF             | 5'-2"                        | 4'-1"  | 71-7   |                | M = M     |  |

#### **TABLE NOTES:**

- DEFLECTION LIMIT = L/180 USED IN TABLE RESULTS.
- VALUES BELOW ALLOWABLE CEILING HEIGHT INTENDED TO BE BUILT ON KNEEWALLS OR OTHER SUPPORTING STRUCTURES (CERTIFIED BY OTHERS).
- 5. RESULTS FOR THERMALLY BROKEN POSTS SHALL BE REDUCED BY 10% TO ACCOUNT FOR THERMAL BREAK STRENGTH LOSS.

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