

# ELITE 2000 SCREEN WALL SYSTEM-PATIO INFILL EDITION

DETAILS NOT SHOWN TO SCALE FOR CLARITY.

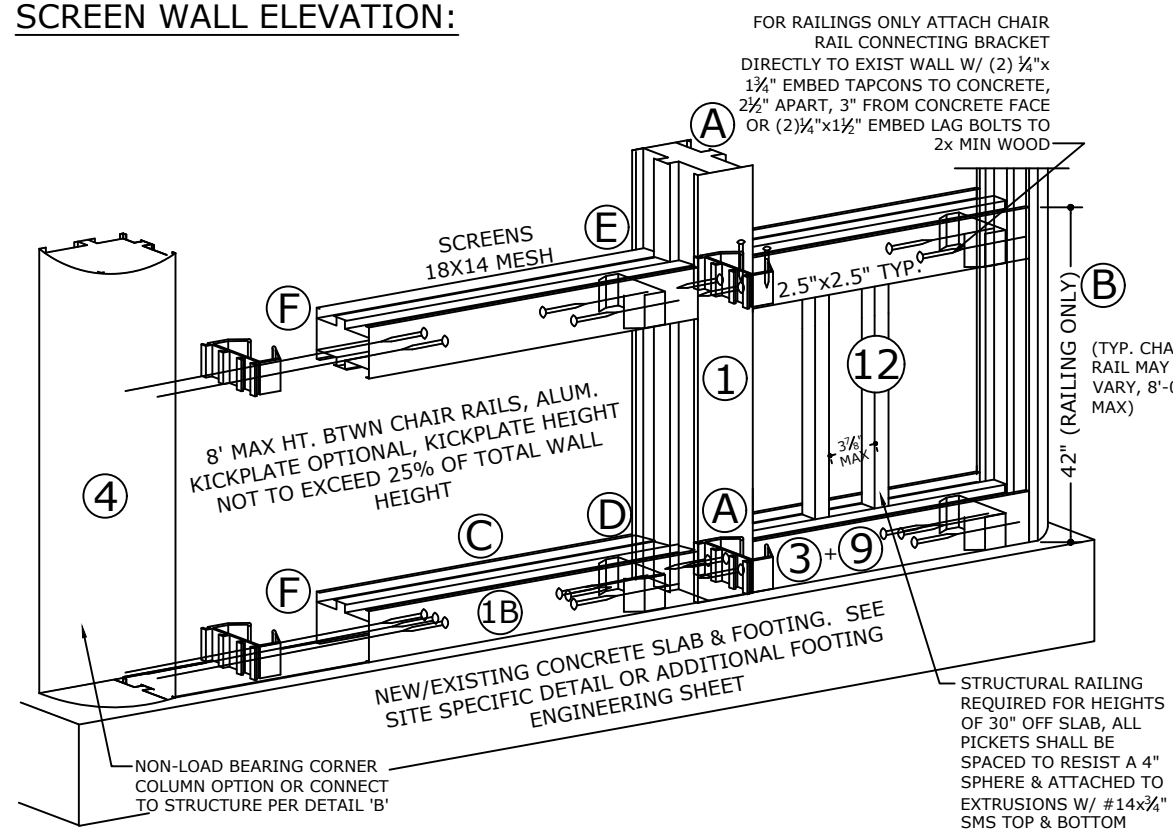
C.T. "GUS" TARNOWSKI  
# PE0050662



VALID FOR (1) JOB(S) ONLY  
VALID ONLY WITH RAISED ENGINEER SEAL

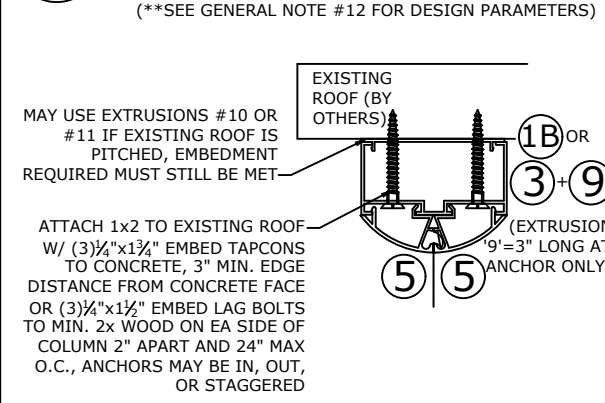
ENGINEERING BUSINESS CA 00009677  
**TARNOWSKI ENGINEERING**  
CIVIL & STRUCTURAL ENGINEERING  
7360 N.W. 5th Street Phone (954) 727 - 2027  
Plantation, FL 33317 Fax (954) 727 - 9644

## SCREEN WALL ELEVATION:

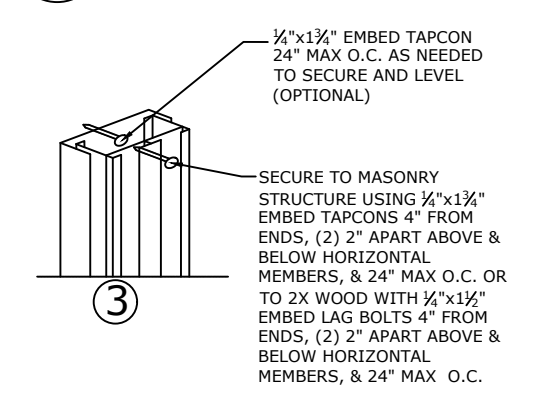


## A CONNECTION TO EXISTING ROOF

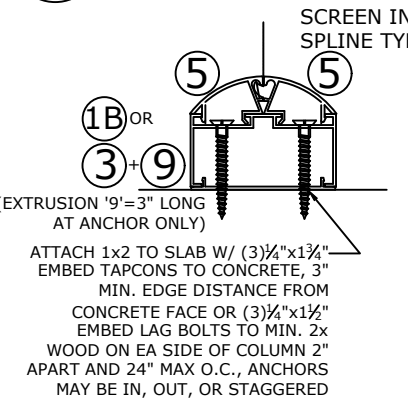
(\*\*SEE GENERAL NOTE #12 FOR DESIGN PARAMETERS)



## B CONNECTION TO EXISTING WALL

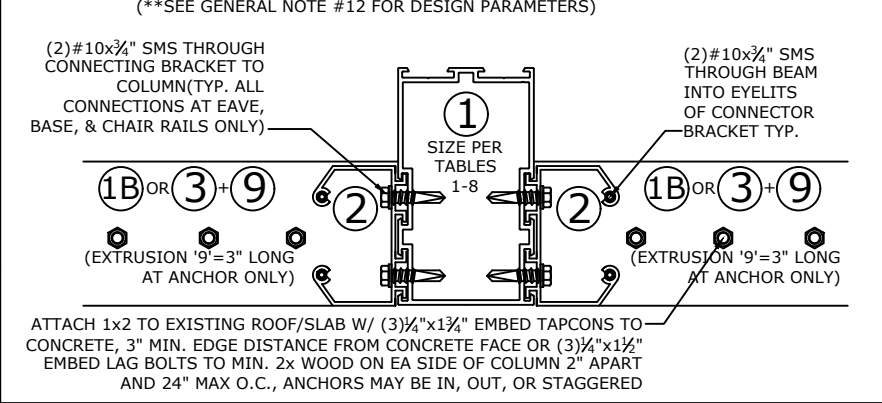


## C CONNECTION TO SLAB



## D CONNECTION OF BEAM TO COLUMN (EAVE & BASE)

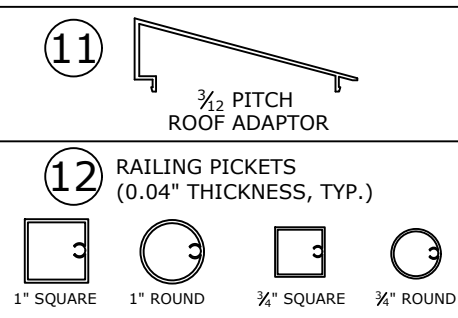
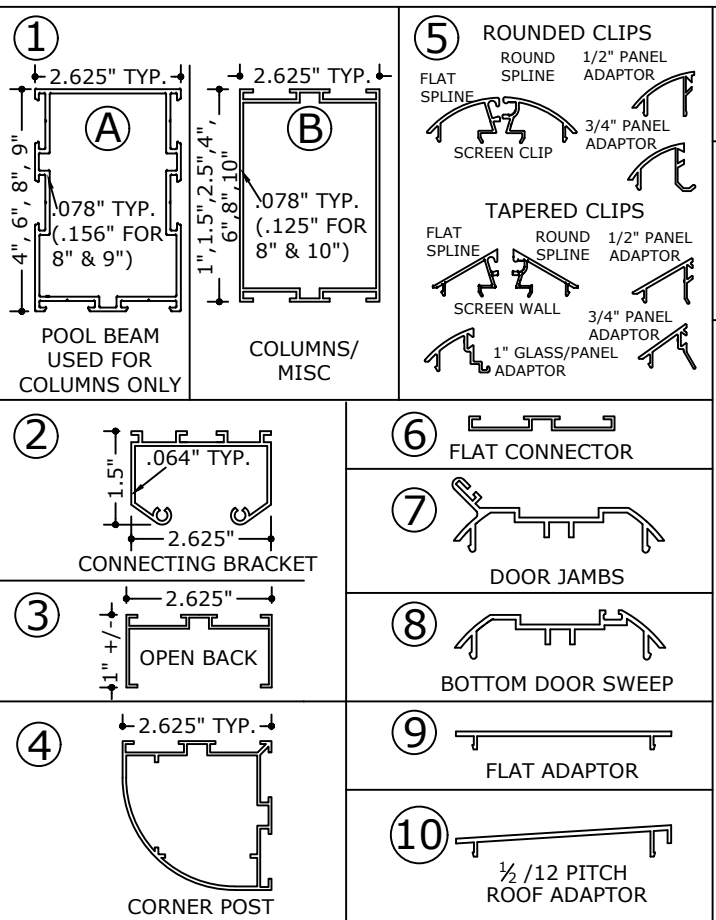
(\*\*SEE GENERAL NOTE #12 FOR DESIGN PARAMETERS)



## GENERAL NOTES:

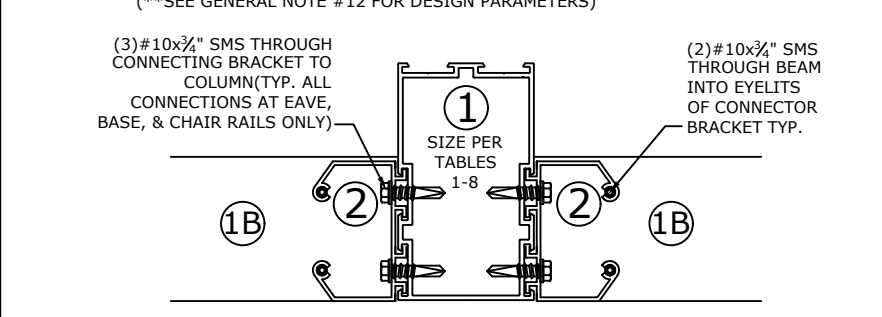
- THIS STRUCTURE HAS BEEN DESIGNED & COMPLIES WITH THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE. STRUCTURE SHALL BE FABRICATED IN ACCORDANCE WITH ALL GOVERNING CODES. CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. DESIGN CRITERIA OR SPANS BEYOND STATED HEREIN MAY REQUIRE ADDITIONAL SITE SPECIFIC SEALED ENGINEERING. ALL LOADS BASED ON SCREENS WITH 18X14 MESH, CATEGORY II, Kd=0.85, PARTIALLY ENCLOSED (Gcpi= +/-0.55), 15' MRH PER FBC TABLE 2002.4(1), CATEGORY II PER AAMA/NPEA/NSA 2100-02 AND ASCE 7-10 AS APPLICABLE.
- THIS DOCUMENT SHALL NOT BE USED OR REPRODUCED WITHOUT THE ORIGINAL SIGNATURE & RAISED SEAL OF C.T. "GUS" TARNOWSKI, P.E. & MUST HAVE 'ELITE' IN RED ACROSS THE FACE OF THIS DRAWING. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
- THE EXISTING STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED SCREEN WALL STRUCTURE AS DETERMINED BY OTHERS OR BY SPECIAL ENGINEERING BY UNDERSIGNED ENGINEER ATTACHED HERETO. NO WARRANTY IS CONTAINED HEREIN.
- COMPOSITE WALL MEMBERS SHALL BE CONSTRUCTED USING MINIMUM TYPE 3005-H25 ALUMINUM FACINGS, (1) OR (2) PCF ASTM C-578-83 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.
- RAIL DESIGN CONFORMS TO AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE. RAILING DESIGNED PER CHAP 16 HVHZ 1618.4.6 & NON HVHZ & THE PROVISIONS OF ASCE 7-10, UP TO 180 MPH, EXP "D", 100' MRH.
- RAILING OPTION IS DESIGNED TO MEET SECTIONS OF THE CODE GOVERNING ELEVATED BALCONIES AND STRUCTURAL RAILINGS (25PSF ON GROSS AREA, 50PLF ON POSTS, 200LB MIN PER FBC 1013 & FBC 1607.7.1/1618.4 (NON HVHZ/HVHZ)).
- ALL EXTRUSIONS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 ONLY.
- ALL FASTENERS TO BE 2024-T4 OR 7075-T73 ALLOY, NON-MAGNETIC STAINLESS STEEL, OR CADMIUM PLATED OR OTHER CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH SECTION 5, 2010 ALUMINUM DESIGN MANUAL, THE ALUMINUM ASSOCIATION, INC., & APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- FASTENERS SHALL HAVE A 1/2" DIA. HEAD OR BE PROVIDED WITH 1/2" DIAMETER WASHER MINIMUM UNLESS NOTED OTHERWISE.
- ALL CONNECTIONS SHALL BE BOLTED OR FASTENED WITH SHEET METAL SCREWS AS SHOWN AND IN ACCORDANCE WITH PROPER FASTENING METHODS AND CODES. ANY FASTENER STRIPPED OR NOT ADEQUATELY HOLDING SHALL BE REPLACED.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALUMINUM MEMBERS FROM DISSIMILAR METALS TO PREVENT ELECTROLYSIS.
- ALL TAPCONS MUST BE ITW CARBON STEEL TAPCONS OR EQUIVALENT W/ 1 3/4" EMBED, 3" MIN. EDGE DISTANCE (UNLESS NOTED OTHERWISE), FASTENED TO MINIMUM 2500PSI CONCRETE, SAE GRADE 5 STEEL MIN.
- MAXIMUM COLUMN SPACING = 8FT, MAX COLUMN HEIGHT = 15FT, MAX WALL WINDLOAD = 30PSF (PER FBC TABLE 2002.4). CONNECTIONS VALID UP TO MAX WIND VELOCITY & EXPOSURE = 180MPH, 'D', CATEGORY II. SITE SPECIFIC ENGINEERING REQUIRED FOR ANY DETAIL WHICH DEVIATES FROM THIS PLAN OR BEYOND THESE LIMITATIONS.
- 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.
- EXCEPT AS EXPRESSLY PROVIDED IN THIS SPECIFICATION, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

## EXTRUSIONS



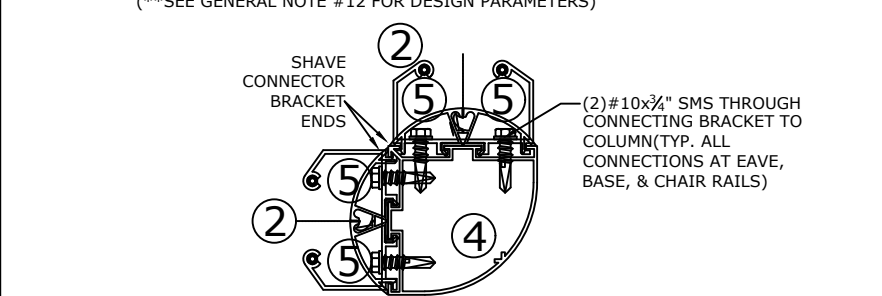
## E CONNECTION OF BEAM TO COLUMN (CHAIR RAIL)

(\*\*SEE GENERAL NOTE #12 FOR DESIGN PARAMETERS)



## F CONNECTION OF BEAM TO CORNER COLUMN (EAVE, BASE, & CHAIR RAIL)

(\*\*SEE GENERAL NOTE #12 FOR DESIGN PARAMETERS)



ELITE ALUMINUM CORPORATION  
4650 LYONS TECHNOLOGY PARKWAY  
COCONUT CREEK, FL 33073

Building Innovation  
**ELITE**  
Panel Products

ELITE 2000 SCREEN WALL MASTER PLAN SHEET

DRWN	CHKD	DATE
WTF	CT	07/01/15

REMARKS	ISSUE
FBC2014	1

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**1** OF 2  
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