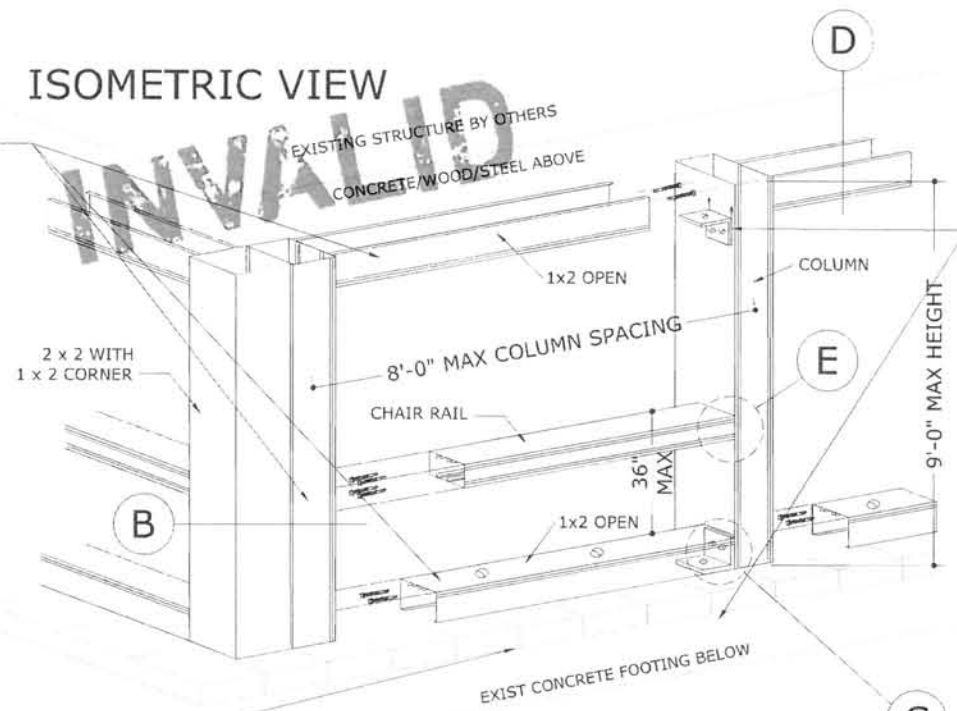


SCREEN WALL INFILL MASTER PLAN SHEET

DETAILS NOT SHOWN TO SCALE FOR CLARITY.

ISOMETRIC VIEW

1x2 OPEN WITH 1/4" X 1 3/4" MIN. EMBED TAPCONS OR 1/4" X 1 1/2" EMBED WOOD SCREWS TO WOOD, OR 3/4"-20 METAL SCREWS TO 1/8" MIN STEEL, SPACED 6" FROM ANY PERPENDICULAR MEMBER, AND 24" MAX. O.C., SET BACK 3" MIN. FROM CONCRETE FACE, 1 1/2" FROM WOOD FACE. IF PAVERS EXIST, TAPCONS THROUGH 1 X 2 NOT ATTACHING THE COLUMNS MAY BE FASTENED TO PAVERS ONLY.



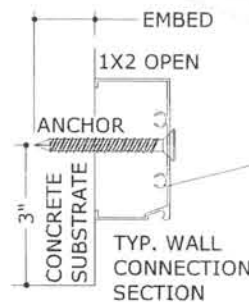
ANGLE: 2x2x2x1/8" MIN. EACH SIDE EACH COLUMN, TOP & BOTTOM

TO COLUMN: (3) #14 SMS, (3) 1/4" POP RIVETS, OR (2) 1/4" THRU BOLTS

TO CONCRETE FOOTING:

10' MAX COLUMN HEIGHT:
(1) 1/4" x 1 1/4" MIN. EMBED TAPCON EA ANGLE LEG
BEYOND 9' MAX COLUMN HEIGHT:
(2) ANGLES, 1 ON 1 X 2, ONE BEHIND AS SHOWN USING SAME ANCHORAGE

> ENSURE ANCHOR PASSES THROUGH PAVERS AND MAINTAINS ALL MINIMUM FOOTER EMBEDMENTS.
> ANCHOR TO BE INSTALLED FLUSH TO HEAD/SILL



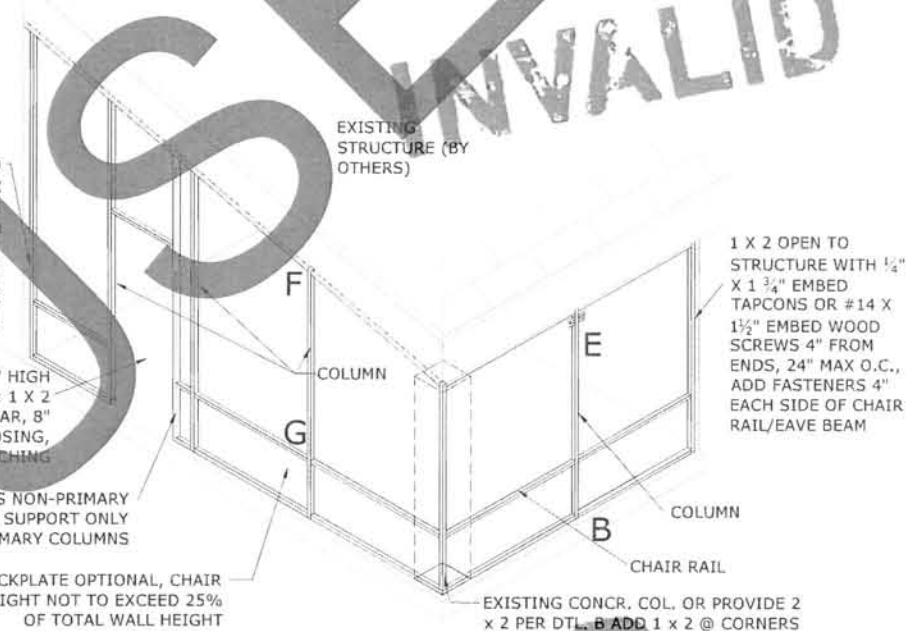
A ROOF/SCREEN LAYOUT

1 X 2 OPEN TO STRUCTURE WITH 1/4" X 1 3/4" EMBED TAPCONS OR #14 X 1 1/2" EMBED WOOD SCREWS 4" FROM ENDS, 24" MAX O.C., ADD FASTENERS 4" EACH SIDE OF CHAIR RAIL/EAVE BEAM

36" MAX WIDTH X 80" HIGH SCREEN DOOR: 1 X 2 FRAME, 3" PUSH BAR, 8" KICKPLATE, SELF-CLOSING, SELF-LATCHING

2 X 3 SNAP AS NON-PRIMARY COLUMN DOOR SUPPORT ONLY BETWEEN PRIMARY COLUMNS

ALUM. KICKPLATE OPTIONAL, CHAIR RAIL HEIGHT NOT TO EXCEED 25% OF TOTAL WALL HEIGHT



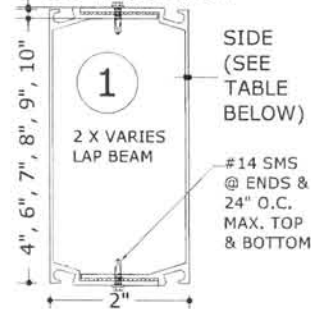
GENERAL NOTES:

- THIS STRUCTURE HAS BEEN DESIGNED & COMPLIES WITH THE REQUIREMENTS OF THE 2012 AND 2015 INTERNATIONAL 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 ASCE 7-10, Vult=170 MPH (Vasd=132 MPH), CATEGORY I, Kd=0.85, ENCLOSED (Gcpi= +/-0.18), 15' MRH, AND PER AAMA/NPEA/NSA 2100-02 AS APPLICABLE. ** THIS DOCUMENT SHALL NOT BE USED OR REPRODUCED WITHOUT THE ORIGINAL SIGNATURE & RAISED SEAL OF FRANK L. BENNARDO, P.E. 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 COMPOSITE ROOF-SCREEN WALL STRUCTURE AS DETERMINED BY OTHERS OR BY SPECIAL ENGINEERING BY UNDERSIGNED ENGINEER ATTACHED HERETO. NO WARRANTY IS CONTAINED HEREIN.
- ALL EXTRUSIONS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 U.N.O.
- ALL FASTENERS TO BE 2024-T4 OR 7075-T73 ALLOY, NON-MAGNETIC 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.
- FASTENERS SHALL HAVE A HEAD AND/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, FASTENED TO MINIMUM 3192PSI CONCRETE, U.N.O.
- 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:

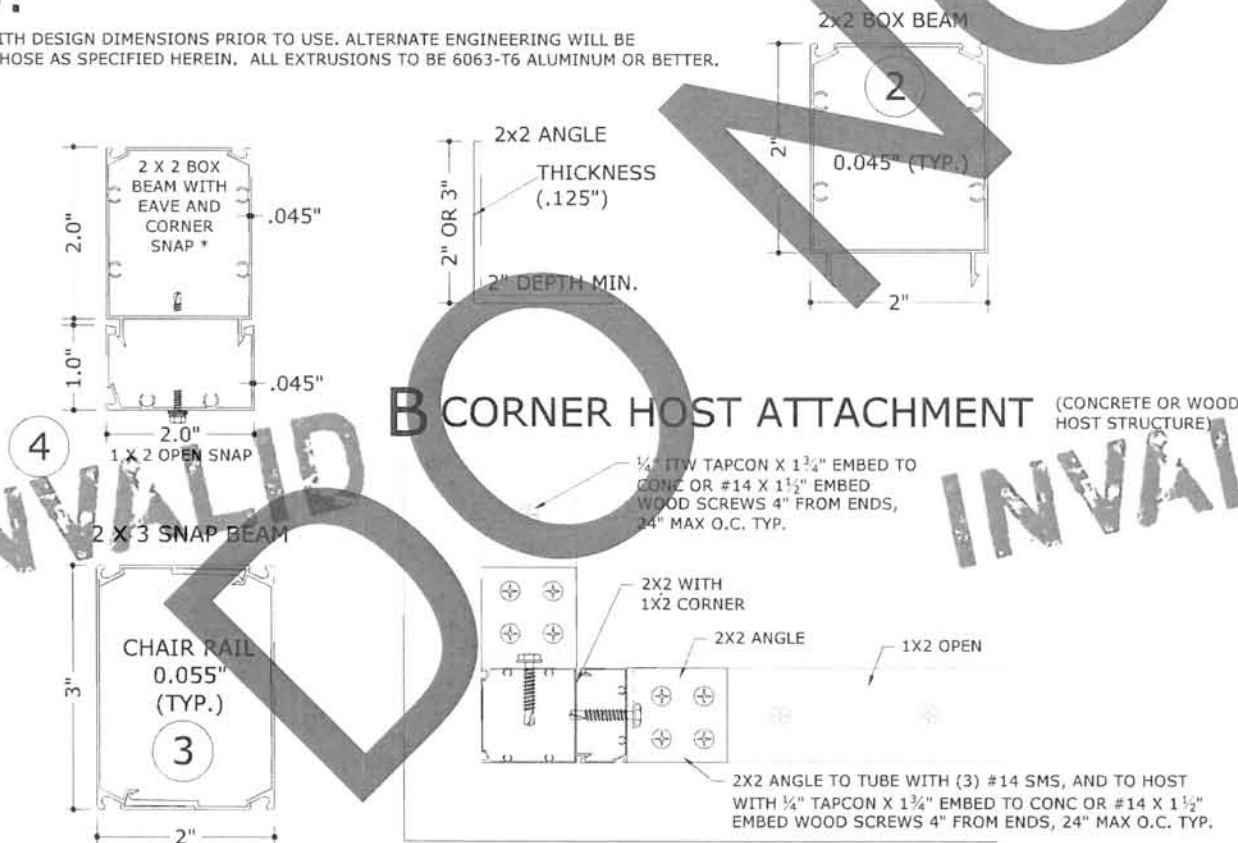
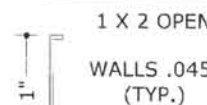
VERIFY FIELD EXTRUSION DIMENSIONS WITH DESIGN DIMENSIONS PRIOR TO USE. ALTERNATE ENGINEERING WILL BE REQUIRED FOR DIMENSIONS LESS THAN THOSE AS SPECIFIED HEREIN. ALL EXTRUSIONS TO BE 6063-T6 ALUMINUM OR BETTER.

TOP (TYP BOTTOM) SEE TABLE BELOW



SIDE (SEE TABLE BELOW)

BEAM THICKNESSES	TOP	SIDE
2X4	0.136"±0.045"	
2X6	0.134"±0.050"	
2X7	0.134"±0.057"	
2X8	0.210"±0.072"	
2X9	0.210"±0.072"	
2X10	0.390"±0.092"	



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ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
P: (954) 354-0660 F: (954) 354-0443
E: HELLO@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

ENGINEERING EXPRESS
160 SW 12TH AVE, STE 106
DEERFIELD BEACH, FL
(954) 354-0660
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SCALE: NTS UNLESS NOTED

1 OF 2