

# ELITE ROOF/OPEN WALL MASTER PLAN SHEET

DETAILS NOT SHOWN TO SCALE FOR CLARITY.

**6063-T6**

C.T. "GUS" TARNOWSKI  
#PE0050662

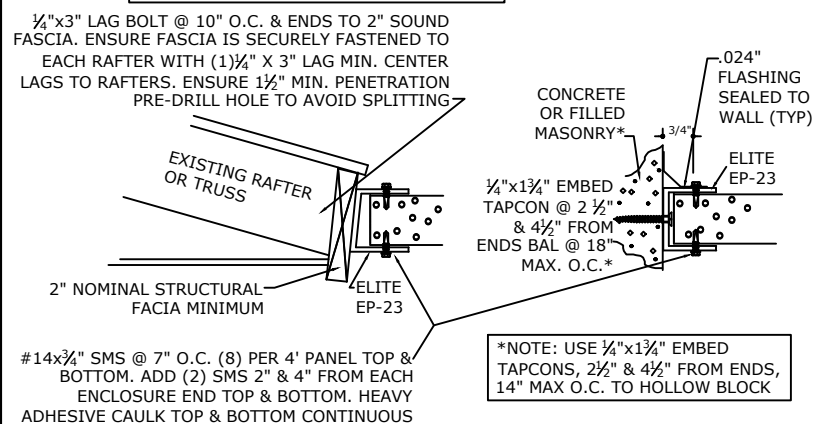


VALID FOR ( 1 ) JOB(S) ONLY  
VALID ONLY WITH RAISED ENGINEER SEAL

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

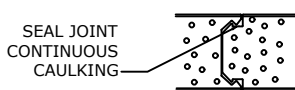
## A CONNECTION TO STRUCTURE: WOOD OR CONCRETE

\*\*SEE GENERAL NOTE #10 FOR LIMITATIONS



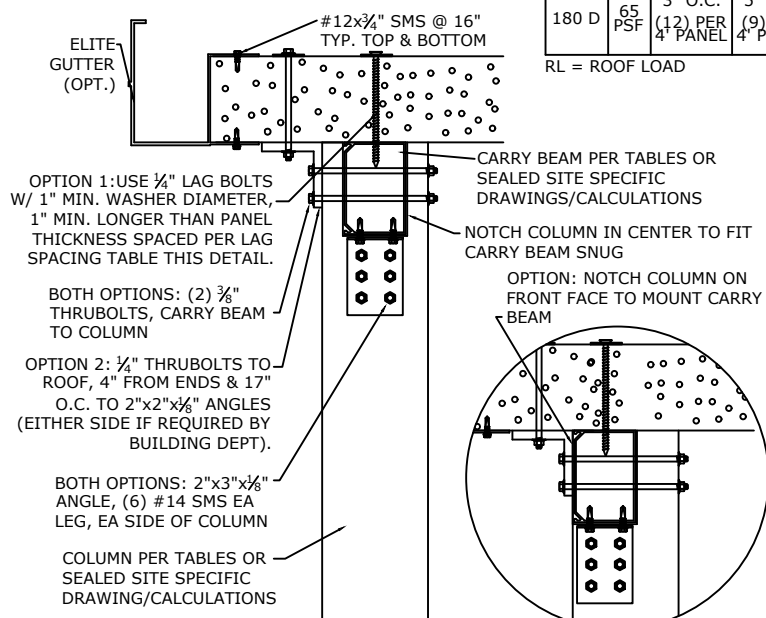
## D ROOF PANEL CONNECTION FRONT ELEVATION

ROOF SPAN FROM TABLE, MIN ROOF PITCH IS 1/4" PER 12", MAX IS 2" IN 12"



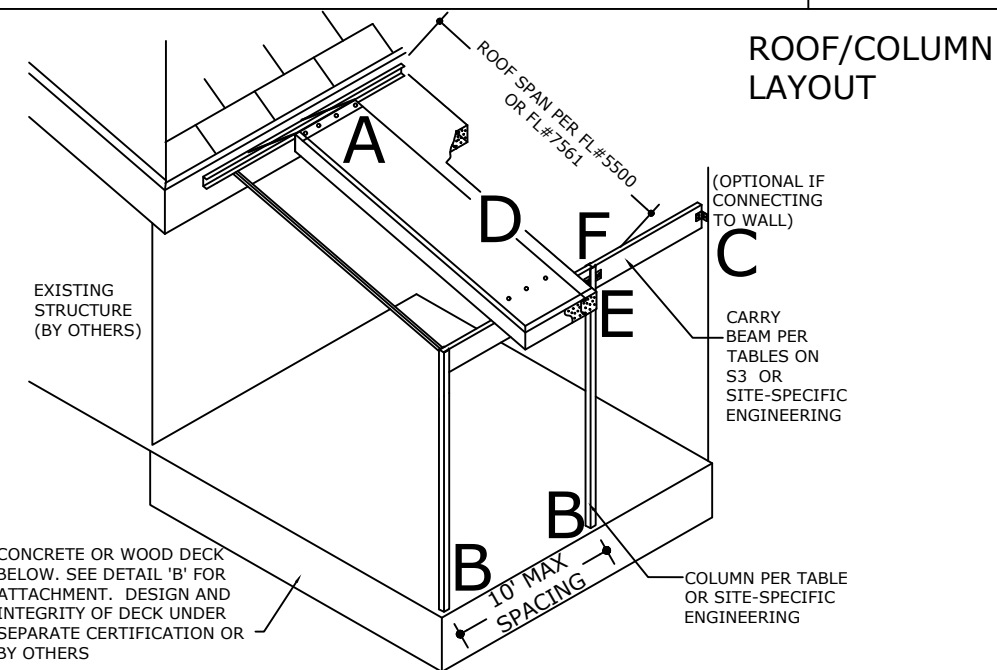
## E SECTION AT BEARING COLUMN

\*\*SEE GENERAL NOTE #10 FOR DESIGN PARAMETERS. USED IN DETAIL & LAG SPACING TABLE. REFER TO ELITE ROOF SPAN TABLE FOR MAX ROOF SPANS USED. SITE SPECIFIC CALCULATIONS MAY YIELD GREATER SPACING.



VEL & EXP	RL	4", 0.024"	4", 0.032"
130 B B B B	21 PSF	9" O.C. (6) PER 4' PANEL	11" O.C. (5) PER 4' PANEL
140 B B B B	28 PSF	6" O.C. (8) PER 4' PANEL	8" O.C. (7) PER 4' PANEL
150 B B B B	35 PSF	5" O.C. (10) PER 4' PANEL	7" O.C. (7) PER 4' PANEL
160 B B B B	42 PSF	3" O.C. (12) PER 4' PANEL	5" O.C. (9) PER 4' PANEL
170 B B B B	50 PSF	3" O.C. (12) PER 4' PANEL	5" O.C. (9) PER 4' PANEL

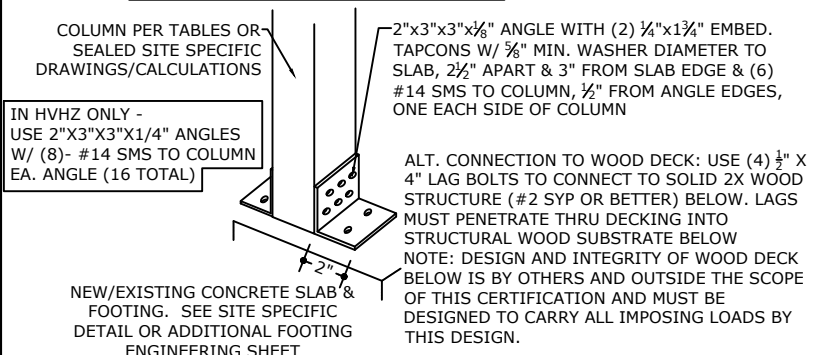
RL = ROOF LOAD



## ROOF/COLUMN LAYOUT

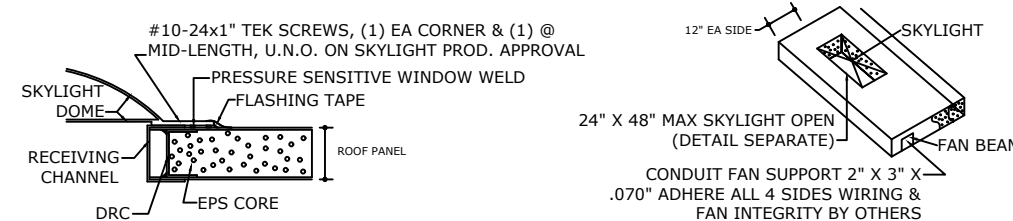
## B ENCLOSURE TO CONCRETE DECK ANCHORING DETAIL

\*\*SEE GENERAL NOTE #10 FOR LIMITATIONS



## ROOF PANEL ACCESSORIES:

NOTE: CERTIFICATION OF SKYLIGHT BY SEPARATE CERTIFICATION. DETAIL ILLUSTRATES TYPICAL CONNECTION METHODS ONLY. REFER TO SKYLIGHT DETAILS FOR FURTHER INFORMATION WHICH GOVERNS.



## GENERAL NOTES:

1) 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 I, 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.

2) 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.

3) COMPOSITE ROOF AND 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.

4) ALL EXTRUSIONS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 ONLY.

5) 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 SECTION 5, 2010 ALUMINUM DESIGN MANUAL, THE ALUMINUM ASSOCIATION, INC., & APPLICABLE FEDERAL, STATE, AND LOCAL CODES.

6) FASTENERS SHALL HAVE A 1/2" DIA. HEAD OR BE PROVIDED WITH 1/2" DIAMETER WASHER MINIMUM UNLESS NOTED OTHERWISE.

7) 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.

8) THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALUMINUM MEMBERS FROM DISSIMILAR METALS TO PREVENT ELECTROLYSIS.

9) ALL TAPCONS MUST BE ITW CARBON STEEL TAPCONS OR EQUIVALENT W/ 1 3/4" EMBED, 3" MIN. EDGE DISTANCE, FASTENED TO MINIMUM 2500PSI CONCRETE.

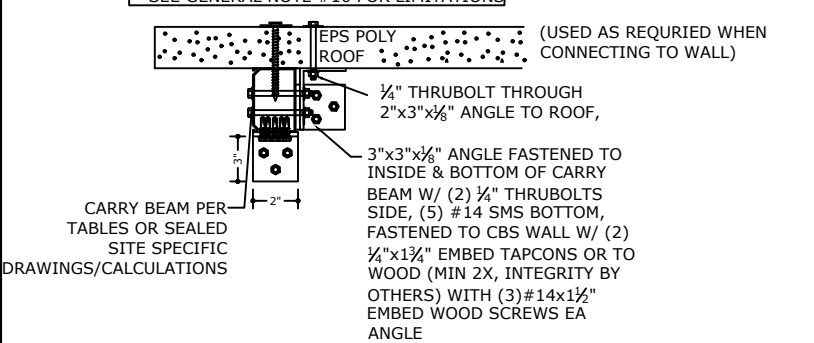
10) MAXIMUM COLUMN SPACING = 10FT, MAX COLUMN HEIGHT = 10FT, MAX LIVE LOAD = 65PSF, MAX WIND VELOCITY & EXPOSURE = 180MPH, 'D', CONNECTIONS VALID UP TO THE MAX 6IN. THICK ROOF SPAN PER ELITE ROOF FLORIDA STATEWIDE APPROVED SPAN TABLE. SITE SPECIFIC ENGINEERING REQUIRED FOR ANY DETAIL WHICH DEVIATES FROM THIS PLAN OR BEYOND THESE LIMITATIONS.

11) 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.

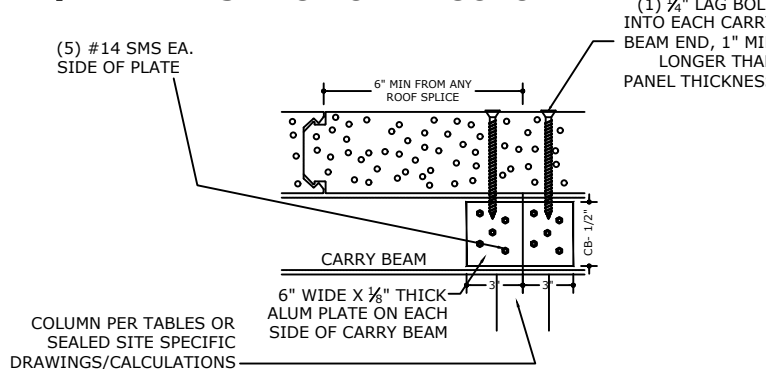
12) EXCEPT AS EXPRESSLY PROVIDED IN THIS SPECIFICATION, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

## C EAVE BEAM CONNECTION @ WALL

\*\*SEE GENERAL NOTE #10 FOR LIMITATIONS

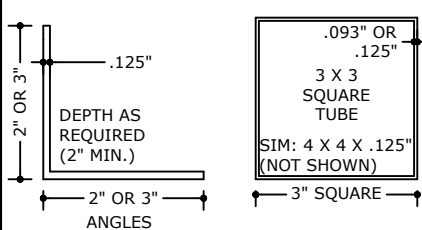


## F BEAM SPLICE OVER COLUMN

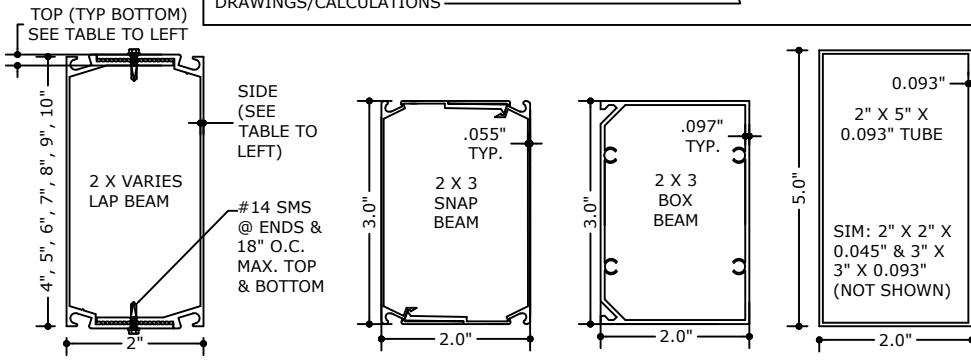


## EXTRUSIONS:

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.



BEAM	TOP	SIDE
2X4	.136"	.045"
2X5	.134"	.050"
2X6	.134"	.050"
2X7	.134"	.057"
2X8	.210"	.072"
2X9	.210"	.072"
2X10	.390"	.092"



ELITE ALUMINUM CORPORATION  
4650 LYONS TECHNOLOGY PARKWAY  
COCONUT CREEK, FL 33073  
**ELITE**  
Building Innovation Panel Products  
ELITE ROOF-OPEN MASTER PLAN SHEET

DRWN	CHKD	DATE
WTF	CT	07/01/15

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SCALE: N.T.S. 01

PAGE DESCRIPTION:

1 OF 2  
C. TARNOWSKI, P.E.

# COLUMN ALLOWABLE HEIGHT TABLES:

**TABLE 1: 130MPH, EXPOSURE 'B'**

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 21'-1"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

**TABLE 2: 130MPH, EXP 'C', 140MPH, EXP 'B'**

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 20'-5"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

**TABLE 3: 140MPH, EXP 'C', 150MPH, EXP 'B'**

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 19'-4"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

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**TABLE 1-9 NOTES:**

- 2010 ALUMINUM DESIGN MANUAL, ALLOWABLE STRESS DESIGN METHOD USED IN ALL TABLES.
- USE APPROPRIATE TABLE REQUIRED BY THE FLORIDA BUILDING CODE & GOVERNING LOCAL BUILDING CODES. VERIFY REQUIREMENTS WITH BUILDING DEPARTMENT.
- DEFLECTION LIMIT = L/120 \*
- MAXIMUM OPEN WALL COLUMN HEIGHTS NOTED IN TABLES 1-9.
- THE GREATER OF 10PSF ROOF LIVE LOAD OR ROOF WINDLOAD (MWFRS) USED
- COLUMN SPACING IS HALF THE DISTANCE TO THE LEFT ADDED TO HALF THE DISTANCE TO THE RIGHT OF THE BEAM (AVERAGE COLUMN SPACING).
- ALL WIND SPEEDS SHOWN ARE BASED ON ULTIMATE DESIGN WIND SPEEDS (Vult)
- \*HVHZ ONLY; DEFLECTION = L/80 FOR SPANS ≤ 12'-0" AND L/180 FOR SPANS >12'-0", MINIMUM SOLID ROOF LIVE LOAD = 30PSF

**TABLE 4: 150MPH, EXP 'C', 160MPH, EXP 'B'**

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 18'-3"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

**TABLE 5: 160MPH, EXP 'C', 170MPH, EXP 'B'**

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 17'-4"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

**TABLE 6: 170MPH, EXP 'C'**

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 17'-8"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

**TABLE 7: 170MPH, EXP 'C'\***

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 12'-9"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

**TABLE 8: 175MPH, EXP 'C'\***

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 12'-9"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

**TABLE 9: 180MPH, EXP 'D'\***

OPEN WALL COLUMN HEIGHT TABLE:		MAX ROOF SPAN = 12'-0"						
COLUMN	COLUMN SPACING							
	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
3x3x.093 BOX	10'-0"	10'-0"	10'-0"	9'-9"	9'-6"	9'-3"	9'-0"	
3x3x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"	9'-6"	9'-3"	
4x4x.125 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	

# END WALL CARRY BEAM CLEAR SPAN TABLES

**TABLE 10: 130MPH, EXPOSURE 'B'**

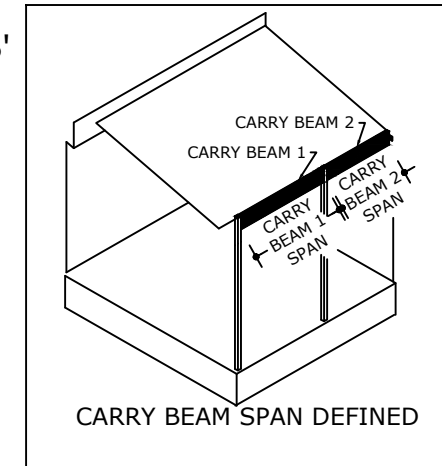
OPEN WALL CARRY BEAM SPAN TABLE:		ROOF CLEAR SPAN							
BEAM	ROOF CLEAR SPAN								
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	22'-0"		
2x3 SNAP	8'-2"	8'-1"	7'-7"	7'-1"	6'-9"	6'-6"	5'-10"		
2x3x.097 BOX	7'-8"	7'-3"	7'-0"	6'-8"	6'-6"	6'-3"	5'-10"		
2x4 LAP	10'-0"	10'-0"	10'-0"	9'-8"	9'-2"	8'-9"	8'-1"		
2x5x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"		
2x5 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x6 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x7 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x8 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x9 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x10 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		

**TABLE 11: 130MPH, EXP 'C', 140MPH, EXP 'B'**

OPEN WALL CARRY BEAM SPAN TABLE:		ROOF CLEAR SPAN							
BEAM	ROOF CLEAR SPAN								
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	22'-0"		
2x3 SNAP	7'-4"	6'-9"	6'-4"	6'-0"	5'-8"	5'-4"	5'-0"		
2x3x.097 BOX	6'-10"	6'-6"	6'-2"	6'-0"	5'-9"	5'-7"	5'-3"		
2x4 LAP	10'-0"	9'-3"	8'-8"	8'-2"	7'-9"	7'-4"	6'-9"		
2x5x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	9'-6"	9'-0"	8'-3"		
2x5 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"	9'-0"		
2x6 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	9'-2"		
2x7 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x8 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x9 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x10 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		

**TABLE 12: 140MPH, EXP 'C', 150MPH, EXP 'B'**

OPEN WALL CARRY BEAM SPAN TABLE:		ROOF CLEAR SPAN							
BEAM	ROOF CLEAR SPAN								
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"		
2x3 SNAP	7'-4"	6'-9"	6'-4"	6'-0"	5'-8"	5'-4"	5'-2"		
2x3x.097 BOX	6'-10"	6'-6"	6'-2"	6'-0"	5'-9"	5'-7"	5'-4"		
2x4 LAP	10'-0"	9'-3"	8'-8"	8'-2"	7'-9"	7'-4"	7'-1"		
2x5x.093 BOX	10'-0"	10'-0"	10'-0"	10'-0"	9'-6"	9'-0"	8'-7"		
2x5 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	9'-9"	9'-4"		
2x6 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	9'-7"		
2x7 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x8 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x9 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x10 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		



**TABLE 13: 150MPH, EXP 'C', 160MPH, EXP 'B'**

OPEN WALL CARRY BEAM SPAN TABLE:		ROOF CLEAR SPAN							
BEAM	ROOF CLEAR SPAN								
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	19'-0"		
2x3 SNAP	6'-6"	6'-0"	5'-7"	5'-3"	5'-0"	4'-9"	4'-8"		
2x3x.097 BOX	6'-3"	6'-0"	5'-8"	5'-6"	5'-3"	5'-2"	5'-1"		
2x4 LAP	8'-10"	8'-2"	7'-8"	7'-2"	6'-9"	6'-6"	6'-4"		
2x5x.093 BOX	10'-0"	10'-0"	9'-3"	8'-9"	8'-3"	8'-0"	7'-9"		
2x5 LAP	10'-0"	10'-0"	10'-0"	9'-6"	9'-0"	8'-7"	8'-4"		
2x6 LAP	10'-0"	10'-0"	10'-0"	9'-9"	9'-3"	8'-9"	8'-7"		
2x7 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	9'-10"	9'-8"		
2x8 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x9 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x10 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		

**TABLE 14: 160MPH, EXP 'C', 170MPH, EXP 'B'**

OPEN WALL CARRY BEAM SPAN TABLE:		ROOF CLEAR SPAN							
BEAM	ROOF CLEAR SPAN								
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	17'-0"	18'-0"		
2x3 SNAP	6'-0"	5'-7"	5'-2"	4'-10"	4'-8"	4'-6"	4'-4"		
2x3x.097 BOX	6'-0"	5'-8"	5'-4"	5'-2"	5'-1"	5'-0"	4'-10"		
2x4 LAP	8'-2"	7'-7"	7'-1"	6'-8"	6'-3"	6'-2"	6'-0"		
2x5x.093 BOX	10'-0"	9'-2"	8'-7"	8'-1"	7'-8"	7'-6"	7'-4"		
2x5 LAP	10'-0"	10'-0"	9'-4"	8'-9"	8'-4"	8'-2"	8'-0"		
2x6 LAP	10'-0"	10'-0"	9'-7"	9'-0"	8'-7"	8'-4"	8'-2"		
2x7 LAP	10'-0"	10'-0"	10'-0"	10'-0"	9'-7"	9'-4"	9'-2"		
2x8 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x9 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x10 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		

**TABLE 15: 170MPH, EXP 'C'**

OPEN WALL CARRY BEAM SPAN TABLE:		ROOF CLEAR SPAN							
BEAM	ROOF CLEAR SPAN								
	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	17'-0"	18'-0"		
2x3 SNAP	5'-7"	5'-2"	4'-10"	4'-7"	4'-4"	4'-2"	4'-1"		
2x3x.097 BOX	5'-8"	5'-4"	5'-2"	5'-0"	4'-9"	4'-9"	4'-8"		
2x4 LAP	7'-8"	7'-1"	6'-7"	6'-2"	5'-10"	5'-9"	5'-7"		
2x5x.093 BOX	9'-3"	8'-7"	8'-1"	7'-7"	7'-2"	7'-0"	6'-10"		
2x5 LAP	10'-0"	9'-4"	8'-9"	8'-3"	7'-9"	7'-7"	7'-6"		
2x6 LAP	10'-0"	9'-7"	9'-0"	8'-4"	8'-0"	7'-9"	7'-7"		
2x7 LAP	10'-0"	10'-0"	10'-0"	9'-6"	9'-0"	8'-9"	8'-7"		
2x8 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x9 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		
2x10 LAP	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"		

**TABLE 10-18 NOTES:**

- CARRY BEAM TABLES ARE FOR END CARRY BEAMS ONLY. SITE SPECIFIC ENGINEERING IS REQUIRED FOR INTERMEDIATE CARRY BEAMS AS ADDITIONAL ELEMENTS MUST BE CONSIDERED.
- 2010 ALUMINUM DESIGN MANUAL, ALLOWABLE STRESS DESIGN METHOD USED IN ALL TABLES.
- USE APPROPRIATE TABLE REQUIRED BY THE FLORIDA BUILDING CODE & GOVERNING LOCAL BUILDING CODES. VERIFY REQUIREMENTS WITH BUILDING DEPARTMENT.
- DEFLECTION LIMIT = L/120\*
- MAXIMUM EAVE BEAM SPANS ONLY NOTED IN TABLES 10-18.
- THE GREATER OF 10PSF ROOF LIVE LOAD OR ROOF WINDLOAD (MWFRS) USED \*
- ROOF CLEAR SPAN IS FROM HOST STRUCTURE TO THE CARRY BEAM.
- 12" MAXIMUM OVERHANG ON FRONT AND SIDES OF ENCLOSURE