

**CERTIFICATION NOTES:**

1. CONTRACTOR TO REVIEW PLAN FOR COMPLIANCE WITH ALL CURRENT BUILDING CODES / REVISIONS / ADDITIONS AND ALL DIMENSIONS WITH OWNER PRIOR TO COMMENCEMENT.
2. OWNER AND CONTRACTOR ARE HEREBY NOTIFIED THAT ANY DEVIATIONS FROM DRAWINGS OR CODE MUST BE APPROVED BY THE ENGINEER AND FLORIDA BUILDING DEPARTMENT OF APPROPRIATE MUNICIPALITY.
3. IF ANY ERRORS OR OMISSIONS EXIST IN THESE DRAWINGS, THE CONTRACTOR SHALL, WITHIN 15 DAYS AFTER RECEIPT OF THESE PLANS AND PRIOR TO CONSTRUCTION, NOTIFY THE ENGINEER IN WRITING OF SUCH ERRORS OR OMISSIONS OR BE HELD RESPONSIBLE FOR THE RESULTS AND COST OF RECTIFYING THE SAME.
4. ENGINEER WILL MAKE INSPECTIONS (IF REQUIRED BY MUNICIPALITY OR OWNER) NECESSARY TO ENSURE CONSTRUCTION IS CONSISTENT WITH BUILDING DEPARTMENT APPROVED PLANS.

**NOTE:**

1. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE - 7th EDITION.
2. 160 MPH WIND VELOCITY W/ 3 SECOND GUST PER ASCE 7-16
3. RISK CATEGORY = 1
4. EXPOSURE C PER ASCE 7-16
5. VELOCITY PRESSURE = 47.35 PSF ROOF.
6. CONCRETE TO BE 3,000 LBF/SQ.IN. @ 28 DAYS.
7. ALL SOILS ARE TO BE COMPACTED WITH A MINIMUM SOIL BEARING CAPACITY OF 2,000 LBF/SQ.FT.
8. DESIGN IS BASED ON THE USE OF EXTRUSIONS THAT ARE 6005-T5 ALLOY.
9. ALL DIMENSIONS TO BE FIELD VERIFIED.
10. 18/14 MIN. SCREEN
- 11 ALL SMB ARE TO HAVE # 10 SMS @ 24" O.C. & 2" FROM END.

STRAP #: 31347865388

Bay Breeze Screen Enclosures  
1013-A SE 12TH AVENUE  
CAPE CORAL, FL 33990-3014  
LICENSE #: CBC1262105  
PHONE: 239/440-1012

**SCREEN ENCLOSURE**  
SCALE:N.T.S.

**ADDRESS:** TMBMBB (BROUGHTON) RES. SCREEN ENCL.  
8287 PROMOSO COURT  
NAPLES FL 34114

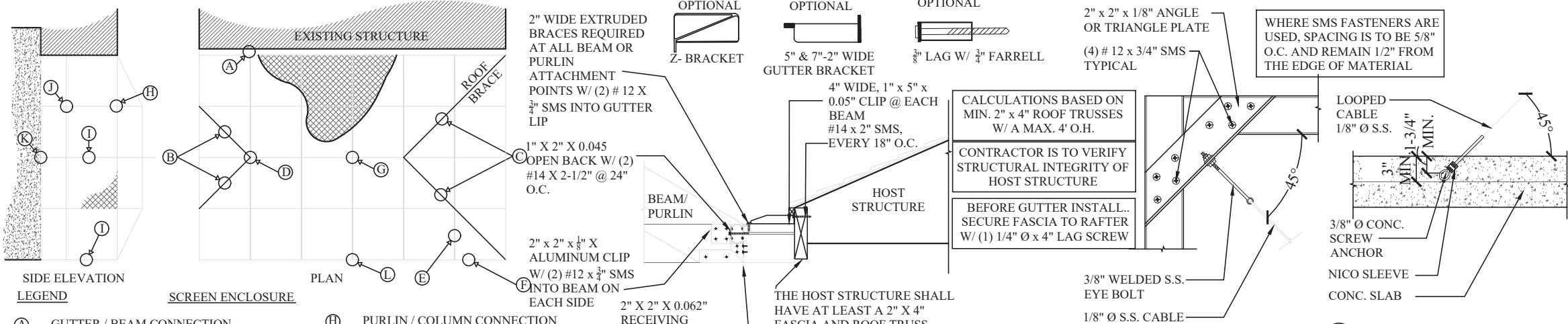
*Edwin Hoto, P.E.*  
FL LICENSE NO. 60118

**AQUA-TERRA ENGINEERING, INC.**  
CIVIL-AQUATIC ENGINEERING CONSULTATION  
PROJECT ADMINISTRATION  
CERTIFICATE OF AUTHORIZATION # 28656  
P.O.BOX #150249 CAPE CORAL, FLORIDA 33915-0249  
PHONE: (239) 458-8200 FAX: (866) 773-4968

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DRAWING DATE: 11-19-2021  
DRAWING BY: DH  
ATE JOB #: B8.447-21

SHEET:  
LAYOUT



- LEGEND**
- (A) GUTTER / BEAM CONNECTION  
SEE DETAIL A ON SHEET 1 OF 3
  - (B) ROOF BRACING OPTION 1\*\*  
SEE DETAIL B-C ON SHEET 1 OF 3
  - (C) ROOF BRACING OPTION 2\*\*  
SEE DETAIL B-C ON SHEET 1 OF 3
  - (D) SEE CAGE BRACING  
SEE DETAIL D ON SHEET 1 OF 3
  - (E) ROOF BEAM  
SEE TABLES E.1-E.3 ON SHEET 2 OF 3
  - (F) PURLIN  
SEE TABLE F ON SHEET 2 OF 3
  - (G) PURLIN / BEAM DETAIL  
SEE DETAIL G-1 ON SHEET 2 OF 3  
BEAM SPLICE DETAIL  
SEE DETAIL G-2 ON SHEET 2 OF 3
- \*\*\* FOR ACTUAL BRACING LENGTHS OF 8' OR LESS USE A MIN. 2" x 3" x 0.50" HOLLOW BRACING MEMBER. FOR ACTUAL LENGTHS GREATER THAN 8' THE USE OF A 2" x 4" x 0.50" HOLLOW BRACING MEMBER IS REQUIRED. ADDITIONAL ENGINEERING IS REQUIRED FOR ACTUAL LENGTHS GREATER THAN 10'.

- SCREEN ENCLOSURE**
- (H) PURLIN / COLUMN CONNECTION  
SEE DETAIL H ON SHEET 2 OF 3
  - (I) LOAD BEARING & NON-BEARING PRIMARY WALL MEMBERS  
SEE TABLE I\*\*\* ON SHEET 3 OF 3
  - (J) CHAIR RAIL  
SEE TABLE J ON SHEET 3 OF 3
  - (K) POST / COLUMN TO CONC.  
SEE DETAIL K-1 ON SHEET 3 OF 3  
FOOTING DETAIL  
SEE DETAIL K-2 ON SHEET 3 OF 3
  - (L) BEAM / COLUMN DETAIL  
SEE DETAIL L ON SHEET 3 OF 3

- \*\*\* CORNER POST
- POST SHALL NOT BE A SELF-MATting MEMBER.
  - ORIENTATION IS TO BE THE SAME AS THE POST LOCATED AT THE FRONT WALL.
  - POST IS TO BE 2" x 3" x 0.45" HOLLOW OR MIN. 1" X 2" x 0.044" OPEN BACK STITCHED 18" O.C.

**NOTES**

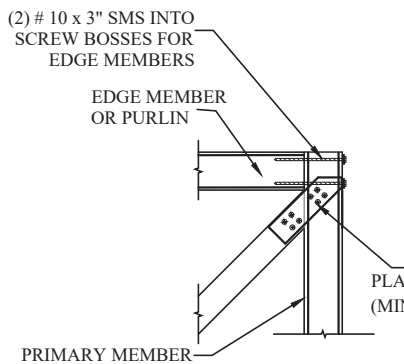
- ROOF BRACING MAY BEGIN FROM THE FIRST OR SECOND ROW OF PANELS. POSSIBLE LAYOUTS ARE LABELED ON THE ABOVE SCREEN ENCLOSURE PLAN & SIDE ELEVATION AS "B" & "C".
- DIAGONAL ROOF BRACING IS REQUIRED ON STRUCTURES GREATER THAN 12'.

DIAGONAL ROOF MEMBER	MEMB. MAX. LENGTH
2"x3"x0.045" HOLLOW MEMBER	8'
2"x4"x0.05" HOLLOW MEMBER	8'-10'

- GENERAL NOTES:**
- DESIGNED PER 2020 FLORIDA BUILDING CODE - 7th EDITION, CHAPTERS 16 & 20, RISK CATEGORY: 1.
  - DESIGNED FOR 3 SECOND GUSTS / 150 MPH, EXPOSURE B
  - THIS PACKAGE HAS BEEN DESIGNED FOR A MAX. BEAM LENGTH OF 58' AND MAX. WALL HEIGHT OF 12'.  
DESIGN LOADS:  
a) ROOF DEAD LOAD = 5.0 PSF, DOWN (1.0 PSF FOR UPLIFT)  
LIVE LOAD = 300 PSF, DOWN  
b) SCREEN WALLS  
WIND LOAD = 23 PSF, W/  
APPLIED 0.88 FACTOR FOR THE 18" x 14" x 0.013" SCREEN  
b.1) APPLIED 0.6 FACTOR FOR THE ALLOWABLE STRESS DESIGN  
b.2) APPLIED 0.8 FACTOR FOR THE USE OF "ROUND" SPLINE  
b.3) APPLIED 0.9 FACTOR FOR THE INSTRUCTION TO STRUCTURE OWNERS TO CUT EVERY OTHER SCREEN PANEL FOR THE PREDICTED HURRICANE WINDS GREATER THAN 90 MPH.  
b.4) SCREEN SURFACES ARE PERMITTED WITH A MAX OF 25% OF SOLID FLEXIBLE FINISH.
  - SCREEN SURFACES ARE PERMITTED WITH A MAX OF 25% OF SOLID FLEXIBLE FINISH.

PER FBC 2020, BUILDING, CHAPTER 2002.4  
STRUCTURAL MEMBERS SUPPORTING SCREENED ENCLOSURES SHALL BE DESIGNED FOR WIND IN BOTH OF TWO ORTHOGONAL DIRECTIONS USING THE PRESSURES GIVEN IN TABLE 2002.4. EACH PRIMARY MEMBER SHALL ALSO BE DESIGNED FOR A 300 POUND (1.33 KN) LOAD APPLIED VERTICALLY DOWNWARD ALONG ANY 1 FOOT (305 MM) OF ANY MEMBER, NOT OCCURRING SIMULTANEOUSLY WITH WIND LOAD.

- ACTUAL WALL THICKNESS OF STRUCTURAL ALUMINUM MEMBERS IS TO BE A MIN. 0.04".
- ALL EXPANSION ANCHORS SHALL REMAIN 3" FROM THE EDGE OF CONC. SLAB OR FOOTINGS.
- ALL STRUCTURAL ALUMINUM IS TO BE 6005-T5 OR 6061-T5.



**(D) ROOF BRACING DETAIL**  
SCALE: N.T.S.

**(B-C) TYP. WALL BRACING DETAIL**  
SCALE: N.T.S.

- NOTE:
- ON WALLS NOT DIRECTLY FASTENED TO HOST STRUCTURE CORNER CABLES ARE REQUIRED.
  - SIDEWALL LENGTHS GREATER THAN 20' USE MIN. ONE CABLE PULLING TOWARD HOST STRUCTURE.
  - EVERY 200 S.F. OF FRONT WALL A PAIR OF CABLES WILL BE REQUIRED.

**(B-C) TYP. LOOPED CABLE DETAIL**  
SCALE: N.T.S.

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LICENSE #: CBC1262105  
PHONE: 239/440-1012

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SCALE: N.T.S.

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DRAWING DATE: 11-19-2021  
DRAWING BY: DH  
ATE JOB #: B8.447-21

SHEET:  
1 OF 4

TABLE E.2 \_WALL HEIGHT 8' MAX.\_MAY BE USED FOR MANSARD, HALF MANSARD AND GABLE STYLE ROOF BEAMS W/4' RISE (MAX.)

MIN. COLUMN	BEAM / TRIBUTARY WIDTH	ROOF SPAN MAX RISE 4'										
		4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"
2" x 4"	2" x 4" x 0.044" x 0.100" SMB	15'-1"	15'-1"	15'-1"	15'-1"	15'-1"	15'-1"	14'-9"	14'-1"	13'-4"	12'-10"	12'-4"
2" x 4"	2" x 5" x 0.050" x 0.116" SMB	22'-9"	22'-9"	22'-9"	21'-2"	20'-2"	19'-5"	18'-9"	18'-2"	17'-6"	16'-10"	16'-4"
2" x 4"	2" x 6" x 0.050" x 0.120" SMB	28'-11"	27'-2"	26'-11"	26'-7"	26'-3"	25'-10"	22'-3"	21'-4"	20'-6"	19'-10"	19'-2"
2" x 4"	2" x 7" x 0.055" x 0.120" SMB	34'-7"	32'-11"	31'-6"	30'-2"	29'-2"	28'-1"	27'-1"	26'-6"	25'-9"	24'-9"	24'-2"
2" x 4"	2" x 8" x 0.072" x 0.224" SMB	42'-10"	41'-4"	40'-1"	38'-11"	37'-11"	37'-0"	36'-3"	35'-6"	34'-9"	34'-1"	33'-6"
2" x 5"	2" x 9" x 0.072" x 0.224" SMB	46'-8"	45'-3"	43'-11"	42'-9"	41'-7"	40'-9"	39'-10"	38'-11"	38'-1"	37'-6"	36'-5"
2" x 5"	2" x 9" x 0.082" x 0.306" SMB	49'-5"	47'-11"	46'-6"	45'-3"	44'-2"	43'-0"	42'-1"	41'-3"	40'-6"	39'-9"	39'-1"
2" x 6"	2" x 10" x 0.092" x 0.374" SMB	57'-3"	55'-6"	53'-10"	52'-1"	51'-2"	49'-11"	48'-9"	47'-10"	46'-11"	46'-0"	45'-4"

TABLE E.3 \_WALL HEIGHT 10' MAX.\_MAY BE USED FOR MANSARD, HALF MANSARD AND GABLE STYLE ROOF BEAMS W/4' RISE (MAX.)

MIN. COLUMN	BEAM / TRIBUTARY WIDTH	ROOF SPAN MAX RISE 4'										
		4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"
2" x 4"	2" x 4" x 0.044" x 0.100" SMB	15'-1"	15'-1"	15'-1"	15'-1"	15'-1"	15'-1"	14'-6"	13'-9"	13'-1"	12'-8"	12'-2"
2" x 4"	2" x 5" x 0.055" x 0.116" SMB	22'-9"	22'-9"	21'-10"	20'-4"	19'-7"	18'-10"	18'-3"	17'-6"	16'-11"	16'-4"	15'-10"
2" x 4"	2" x 6" x 0.050" x 0.120" SMB	28'-4"	26'-8"	25'-4"	24'-2"	23'-3"	22'-4"	21'-9"	20'-10"	20'-1"	19'-5"	18'-9"
2" x 4"	2" x 7" x 0.055" x 0.120" SMB	33'-11"	32'-4"	30'-11"	29'-9"	28'-8"	27'-9"	26'-10"	25'-11"	25'-2"	24'-3"	23'-7"
2" x 4"	2" x 8" x 0.072" x 0.224" SMB	42'-11"	41'-6"	40'-2"	39'-1"	38'-2"	37'-1"	36'-3"	35'-6"	34'-9"	34'-1"	33'-2"
2" x 5"	2" x 9" x 0.072" x 0.224" SMB	46'-11"	45'-5"	44'-1"	42'-9"	41'-8"	40'-9"	39'-10"	38'-10"	37'-10"	36'-8"	35'-6"
2" x 5"	2" x 9" x 0.082" x 0.306" SMB	49'-10"	48'-0"	46'-6"	45'-5"	44'-1"	43'-2"	42'-1"	41'-5"	40'-6"	39'-10"	39'-2"
2" x 6"	2" x 10" x 0.092" x 0.374" SMB	57'-5"	55'-6"	53'-11"	52'-4"	51'-2"	49'-11"	48'-9"	47'-10"	47'-1"	46'-2"	45'-6"

TABLE M.1 \_WALL HEIGHT 12' MAX.\_MAY BE USED FOR MANSARD, HALF MANSARD AND GABLE STYLE ROOF BEAMS W/4' RISE (MAX.)

MIN. COLUMN	BEAM / TRIBUTARY WIDTH	ROOF SPAN MAX RISE 4'										
		4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"
2" x 4"	2" x 4" x 0.044" x 0.120" SMB	15'-1"	15'-1"	15'-1"	15'-1"	15'-1"	14'-7"	13'-9"	12'-10"	12'-2"	11'-9"	11'-2"
2" x 4"	2" x 5" x 0.050" x 0.116" SMB	22'-9"	22'-7"	21'-2"	19'-9"	18'-10"	18'-3"	17'-8"	17'-0"	16'-4"	15'-10"	15'-1"
2" x 4"	2" x 6" x 0.050" x 0.120" SMB	27'-7"	25'-9"	24'-8"	23'-8"	22'-9"	21'-10"	21'-1"	20'-2"	19'-5"	18'-9"	18'-1"
2" x 4"	2" x 7" x 0.055" x 0.120" SMB	33'-4"	31'-8"	30'-2"	29'-1"	28'-0"	27'-1"	26'-3"	25'-4"	24'-4"	23'-9"	23'-2"
2" x 4"	2" x 8" x 0.072" x 0.224" SMB	42'-10"	41'-5"	40'-2"	39'-0"	38'-1"	37'-0"	36'-2"	35'-3"	34'-1"	33'-1"	32'-0"
2" x 5"	2" x 9" x 0.072" x 0.224" SMB	46'-11"	45'-4"	44'-1"	42'-10"	41'-9"	40'-8"	39'-6"	38'-1"	36'-9"	35'-8"	34'-6"
2" x 5"	2" x 9" x 0.082" x 0.306" SMB	49'-8"	48'-0"	46'-8"	45'-3"	44'-1"	43'-0"	42'-2"	41'-4"	40'-6"	39'-9"	39'-1"
2" x 6"	2" x 10" x 0.092" x 0.374" SMB	57'-3"	55'-6"	53'-10"	52'-4"	51'-3"	49'-11"	48'-10"	47'-11"	47'-0"	46'-1"	45'-4"

PURLIN OR GIRT

(4) # 10 x 1-1/2" SMS INTO SCREW BOSSES

BEAM OR COLUMN

PURLIN OR GIRT  
(8) # 10 x 3/4" SMS EACH CONNECTION

MIN. 1/16" RECEIVING CHANNEL

BEAM OR COLUMN

DETAIL A

DETAIL B

G-1 PURLIN & GIRT CONNECTIONS  
SCALE: N.T.S.

(12)- #12 X 1" SCREWS @ 1" SPACING

2" X 2" EDGE BEAM (UNLESS OTHERWISE SHOWN ON SHEET S-2)

(2) # 10 X 3" SMS INTO SCREW BOSSES CONNECTING EDGE BEAM TO PURLIN

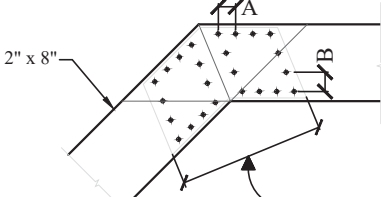
1" X 2" SNAP

1" X 2" FASTENED TO COLUMN WITH (2) #10 X 1-1/2" SMS INTO SCREW BOSSES FOR SMB OR SNAP COLUMN

NOTE: A RECEIVING CHANNEL (1/16" THICKNESS) WITH (4) #10 X 3/4" SMS AT EACH CONNECTION MAY BE USED IN PLACE OF THE (2) #10 X 3" SCREW BOSS CONNECTION

G-3 COLUMN TO PURLIN CONNECTION  
SCALE: N.T.S.

SAMPLE: 2" X 8" BEAM CONNECTION, FROM TABLE BELOW-10 SCREWS REQUIRED FOR EACH BEAM (20 TOTAL), 24 SCREWS SHOWN-USED



G-2 TYP. MANSARD BEAM SPLICE  
PLATE WIDTH VARIES BY ANGLE OF BEAM, FASTENERS REQUIRED AND SPACING OF FASTENERS \*\*SEE TABLE FOR THIS INFORMATION

BEAM SIZE	QTY	A SPACE O.C.	B SPACE O.C.
2" x 4"	10	1"	1"
2" x 5"	10	1"	1"
2" x 6"	14	1"	1"
2" x 7"	20	1"	1"
2" x 8"	24	1-1/2"	1-1/4"
2" x 9"	24	1-1/2"	1-3/8"
2" x 10"	26	1-1/2"	1-1/2"

(TABLE SHOWS MIN. SPACING AND NUMBER OF SCREWS, TO ACHIEVE SYMMETRICAL PATTERN ADDITIONAL SCREWS MAY BE USED)

NOTE:

- ALL PLATES ARE TO BE 1/8" THICK FOR 2" x 7" BEAMS AND SMALLER (WITH #12 SCREWS) AND 3/16" THICK FOR 2" x 8" BEAMS AND LARGER (WITH # 14 SCREWS).
- ONLY 3/4" (#14) SCREWS ARE TO BE USED.
- GUSSET PLATES MAY BE MOUNTED INTERNALLY OR EXTERNALLY.
- FLAT BEAM SPLICE MAY ALSO USE THE SAME SPECIFIED CONNECTION, FOR 2" x 9" x 0.072" SMB OR SMALLER
- FASTENERS TO REMAIN 1/2" FROM MATERIAL EDGE.

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PHONE: 239/440-1012

SCREEN ENCLOSURE

SCALE:N.T.S.

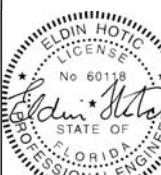
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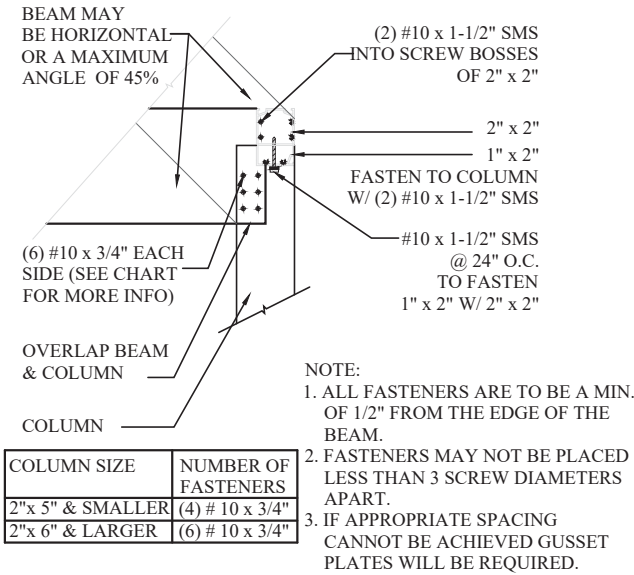


DRAWING DATE: 11-19-2021  
DRAWING BY: DH  
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SHEET:  
2 OF 4

TABLE I.1 \_SPAN INFORMATION APPLICABLE FOR LOAD BEARING PRIMARY WALL MEMBERS

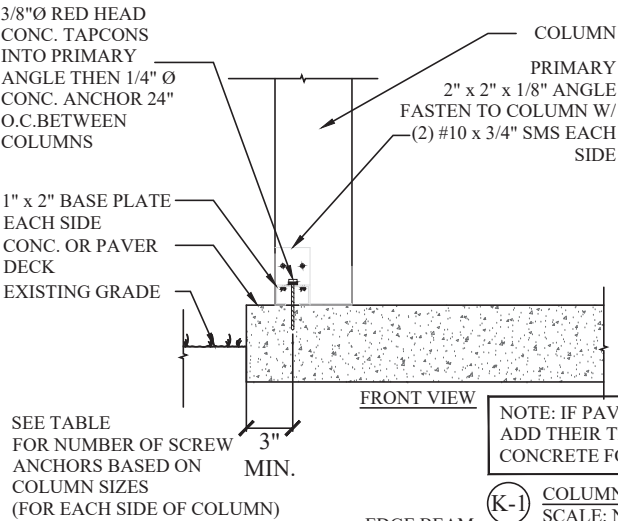
COLUMN / TRIBUTARY WIDTH	PRIMARY WALL MEMBER SPAN										
	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"
2" x 4" x 0.050" HOLLOW	11'-1"	10'-6"	10'-0"	9'-5"	9'-1"	8'-9"	8'-6"	8'-2"	7'-11"	7'-8"	7'-6"
2" x 5" x 0.050" HOLLOW	12'-1"	11'-6"	11'-0"	10'-6"	10'-0"	9'-7"	9'-4"	9'-1"	8'-9"	8'-6"	8'-2"
2" x 4" x 0.045" SNAP	11'-8"	12'-9"	11'-11"	11'-5"	11'-1"	10'-6"	10'-3"	9'-11"	9'-6"	9'-2"	8'-11"
2" x 5" x 0.055" SNAP	15'-4"	15'-9"	15'-0"	14'-3"	13'-8"	13'-3"	12'-8"	12'-4"	12'-0"	11'-6"	11'-3"
2" x 4" x 0.044" x 0.100" SMB	11'-9"	11'-2"	10'-7"	10'-1"	9'-8"	9'-4"	9'-0"	8'-9"	8'-6"	8'-3"	8'-0"
2" x 5" x 0.050" x 0.116" SMB	14'-8"	13'-11"	13'-1"	12'-6"	12'-0"	11'-6"	11'-1"	10'-9"	10'-6"	10'-1"	9'-10"
2" x 6" x 0.050" x 0.120" SMB	16'-5"	15'-6"	14'-9"	14'-1"	13'-6"	12'-11"	12'-6"	12'-1"	11'-8"	11'-4"	11'-1"
2" x 7" x 0.055" x 0.120" SMB	18'-4"	17'-5"	16'-5"	15'-5"	14'-9"	14'-5"	13'-11"	13'-6"	13'-1"	12'-8"	12'-5"
2" x 8" x 0.072" x 0.224" SMB	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	19'-11"



L TYP. BEAM TO COLUMN DETAIL  
SCALE: N.T.S.

- NOTE:
1. CONNECTIONS INTO DECK AREAS ARE TO BE MADE USING, ITW RED HEAD 3/8" Ø TAPCONS (OPTIONAL 1/4" BOLTS, ULTIMATE TENSION CAPACITY OF 3740 lbs, AND ULTIMATE SHEER CAPACITY OF 3328 lbs. THIS OPTION REQUIRES EXTRA 2" x 2" ANGLE ON EACH SIDE OF BEAM UPRIGHT WITH 1/4" BOLT).
2. 3/8" Ø S.S. ANCHORS MEETING THE SAME TENSION CAPACITY AS THE SPECIFIED RED HEAD TAPCONS, MAY BE USED AS AND ALTERNATE.

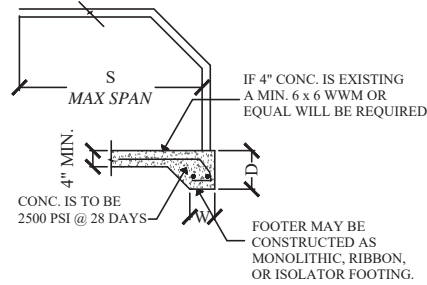
COLUMN SIZE	NUMBER OF 3/8" Ø TAPCONS OR BOLTS	a = MIN. SPACE
2" x 4" & 2" x 5"	1	3"
2" x 6"	1	4"
2" x 7"	1	5"
2" x 8"	1	6"
2" x 9"	2	4"
2" x 10"	2	4.5"



(K-1) COLUMN INTO DECK DETAIL  
SCALE: N.T.S.

FOOTING	SPAN	REBAR <small>MAY USE FL #5 OR #5 AS SPECIFIED</small>
W	D	S
8"	8"	16'
8"	10"	28'
10"	10"	40'

\*\*BEAM SPANS 12' OR LESS MAY BE INSTALLED ON 4" THICK SLABS W/O THICKENED EDGES



STRAP #: 31347865388

Bay Breeze Screen Enclosures  
1013-A SE 12TH AVENUE  
CAPE CORAL, FL 33990-3014  
LICENSE #: CBC1262105  
PHONE: 239/440-1012

SCREEN ENCLOSURE

SCALE:N.T.S.

ADDRESS: TMBMBB (BROUGHTON) RES. SCREEN ENCL.  
8287 PROMOSO COURT  
NAPLES FL 34114

AQUA-TERRA ENGINEERING, INC.

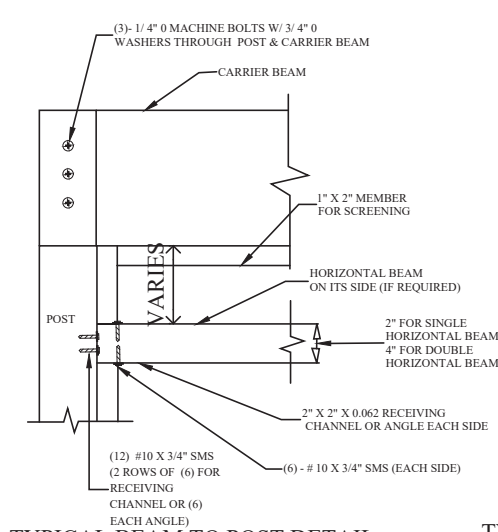
CIVIL-AQUATIC ENGINEERING CONSULTATION  
PROJECT ADMINISTRATION  
CERTIFICATE OF AUTHORIZATION # 28656  
P.O.BOX #150249 CAPE CORAL, FLORIDA 33915-0249  
PHONE: (239) 458-8200 FAX: (866) 773-4968

I hereby certify that Aqua-Terra Engineering, Inc. has designed this plan under my guidance and approval and is in compliance with the 2020 Florida Building Code 7th Edition.  
Aqua-Terra Engineering, Inc. must be notified in writing of any variation from these drawings. All construction shall be in accordance with the accepted 2020 Florida Building Code 7th Edition, state and local codes. These plans may not be reproduced or copied in any way, in whole or in part, without written permission from Aqua-Terra Engineering, Inc.

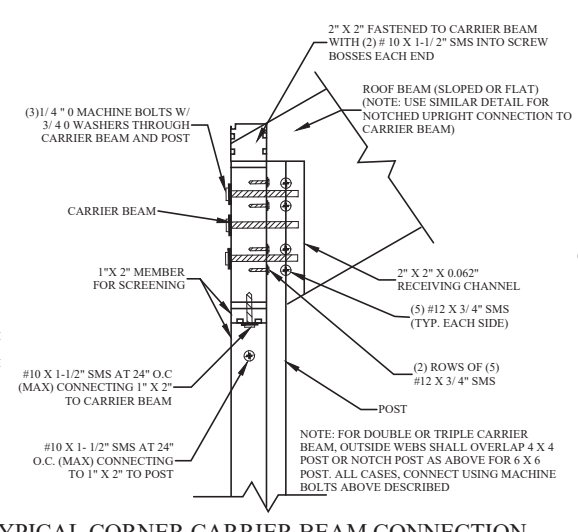
DRAWING DATE: 11-19-2021  
DRAWING BY: DH  
ATE JOB #: B8.447-21

SHEET:  
3 OF 4

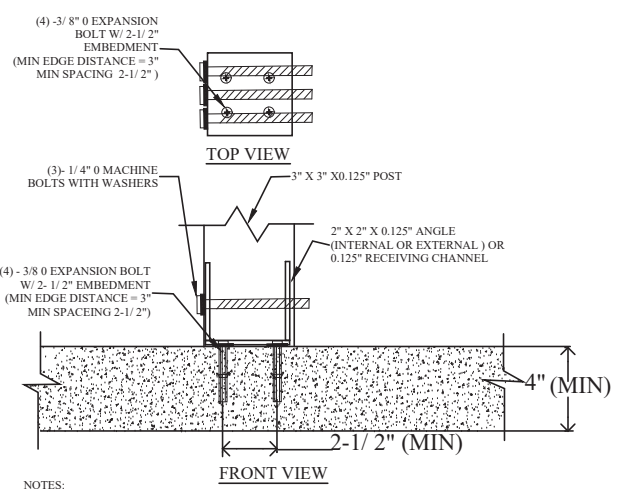




**TYPICAL BEAM TO POST DETAIL**  
SCALE:N.T.S.

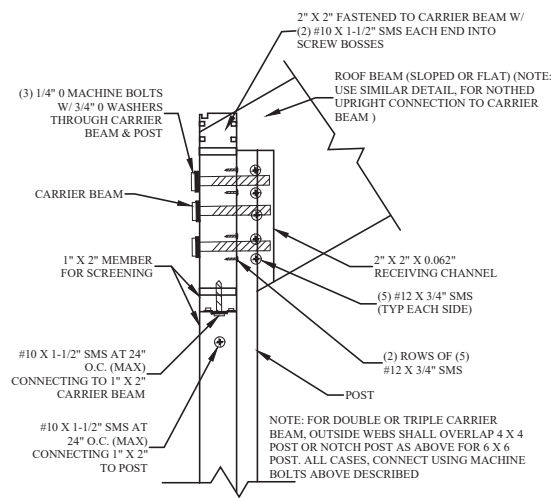


**TYPICAL CORNER CARRIER BEAM CONNECTION**  
SCALE:N.T.S.

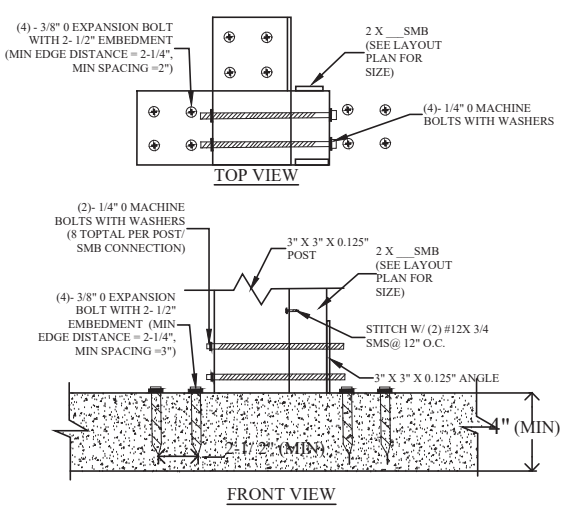


NOTES:  
1. EXPANSION BOLT DESIGN ARE BASED ON A 4065 LB. ULTIMATE TENSION CAPACITY.  
2. 3" IS THE MINIMUM EDGE DISTANCE FOR EXPANSION BOLTS

**POST TO DECK CONNECTION DETAIL**  
SCALE:N.T.S.



**CARRIER BEAM TO POST**  
SCALE:N.T.S.



**POST TO DECK CONNECTION DETAIL**  
SCALE:N.T.S.

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11-19-2021	DH	B8.447-'21	4 OF 4

