

FOUNDATION & CONCRETE SPECIFICATIONS:

1. ALL CONCRETE AND FOUNDATIONS ATTACHED TO THE HOST STRUCTURE SHALL HAVE A PRE INSPECTION.
 2. ALL CONCRETE GRADE BEAMS AND FOOTINGS SHALL BE 3000 PSI MINIMUM.
 3. ALL CONCRETE FILLED SUPPORTED SLABS SHALL BE 2500 PSI MINIMUM, 3 1/2" NOMINAL THICKNESS.
 4. FIBERMESH (3/4" PER CUBIC YARD MIN.) MEETING APPROPRIATE ACI AND ASTM REQUIREMENTS MAY BE USED IN LIEU OF WELDED WIRE MESH (W.W.M.).
 5. ALL SLABS ON GRADE SHALL BE A MINIMUM OF 4" THICK WITH FIBERMESH.
 6. ALL REINFORCING SHALL CONFORM TO ASTM A615, BE GRADE 60 (60 KSI MIN.) DEFORMED BARS, #3 BARS MAY BE GRADE 40 (40 KSI MIN.)
 7. ALL OVER POUR CONCRETE FILLED SUPPORTED SLABS SHALL BE 3000 PSI MIN., 2" MINIMUM. THICKNESS.
 8. SOIL BEARING PRESSURE SHALL BE A MINIMUM OF 1500 PSF.
- THE FOLLOWING SPECIFICATIONS ARE APPLICABLE TO THIS PROJECT:

10. WHERE CONCRETE SPECIFICATIONS ARE REQUIRED, WHETHER IN THE SCREEN ENCLOSURE SCOPE OR NOT, BY ONE OR MORE REGULATORY AGENCIES, THE FOLLOWING SPECIFICATIONS ARE APPLICABLE:

- a. CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING COMPONENTS:
 - i. PORTLAND CEMENT TYPE 1 - ASTM C 150
 - ii. AGGREGATES - LARGE AGGREGATE 3/4 MAX. - ASTM C 33
 - iii. AIR ENTRAINING +/- 1 % - ASTM C 260
 - iv. WATER REDUCING AGENT - ASTM C 494
 - v. CLEAN POTABLE WATER
 - vi. OTHER ADMIXTURES NOT PERMITTED
- b. METAL ACCESSORIES SHALL CONFORM TO:
 - i. REINFORCING BARS - ASTM A615, GRADE 60
 - ii. WELDED WIRE FABRIC - ASTM A185
- c. CONCRETE SLUMP AT DISCHARGE CHUTE NOT LESS THAN 3" OR MORE THAN 5". WATER ADDED AFTER BATCHING IS NOT PERMITTED.
- d. PREPARE & PLACE CONCRETE PER AMERICAN CONCRETE INSTITUTE MANUAL OF STANDARD PRACTICE, PART 1, 2, & 3 INCLUDING HOT WEATHER RECOMMENDATIONS.
- e. MOIST CURE OR POLYETHYLENE CURING PERMITTED.
- f. PRIOR TO PLACING CONCRETE, TREAT THE ENTIRE SUBSURFACE AREA FOR TERMITES IN COMPLIANCE WITH THE FBC.
- g. CONCRETE SLABS SHALL BE PLACED OVER A 6 MIL. POLYETHYLENE VAPOR BARRIER.
- 11. WHEN PAVERS ARE UNDER ALUMINUM MEMBERS, CONTRACTOR SHALL EPOXY TO DECK OR GROUT TO DECK w/ 3000 PSI GROUT WITH BONDING AGENT.
- 12. MINIMUM CONCRETE STRENGTH 3000 PSI UNLESS NOTED OTHERWISE.
- 13. IF UTILIZING EXISTING CONCRETE FOR FOUNDATION, CONCRETE SHALL BE A MINIMUM OF 4" IN THICKNESS, VISIBLY FREE OF ANY STRUCTURAL EXCESSIVE CRACKING, SPALLING OR OTHER DETERIORATION.

MASONRY SPECIFICATIONS:

1. CONCRETE MASONRY UNITS (CMU) SHALL BE STANDARD HOLLOW UNITS AND SHALL BE 2000 PSI MINIMUM BASED ON TYPE M OR S MORTAR.
2. ALL MORTAR SHALL BE TYPE M OR S.
3. ALL GROUT SHALL BE 2000 PSI MINIMUM AND HAVE MAXIMUM COARSE AGGREGATE SIZE OF 3/8".
4. PROVIDE CLEAN-OUTS FOR REINFORCED CELLS CONTAINING REINFORCEMENT WHEN GROUT POUR EXCEEDS 5'-0" IN HEIGHT.

FOOTER SPECIFICATIONS:

1. PROVIDE 1-1/2" COVERAGE TOP, SIDES, BOTTOM AND 1" BETWEEN ADJACENT REBAR LAPs.
2. PROVIDE MIN. 3" COVERAGE OF REBAR FOR ALL CONCRETE IN CONTACT WITH THE EARTH & 1-1/2" OTHERWISE.
3. FOOTING CONCRETE SHALL BE MIN. 3000 PSI AT 28 DAYS
4. FOOTING REINFORCING SHALL CONFORM TO ASTM A615, BE GRADE 60 (60 KSI MIN.) DEFORMED BARS, #3 BARS MAY BE GRADE 40 (40 KSI MIN.)
5. MINIMUM REBAR LAP SPLICE (40d) d= DIAMETER OF REBAR
6. PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURE TO CITY / CO. REQUIREMENTS.
7. PROVIDE 1500 PSF BEARING (TYPICAL) UNDER FOUNDATION.

ALUMINUM SPECIFICATIONS:

1. ALUMINUM EXTRUSIONS SHALL BE 6005 T5 ALLOY UNLESS OTHERWISE NOTED.
2. ALL SELF MATING BEAM SECTIONS ARE TO BE STITCHED WITH #12 SCREWS 6" FROM ENDS & 24" CENTER TO CENTER.
3. ROOF BRACING SHALL BE A MINIMUM 2"x2"x.050".
4. THE MINIMUM NORMAL THICKNESS OF PROTECTOR PANELS (KICKPLATES) SHALL BE AN INDUSTRY STANDARD OF 0.024 INCHES.
5. SCREEN MATERIAL SHALL BE 18/14 SCREEN UNLESS APPROVED BY FLORIDA ENGINEERING LLC.
6. 1"x2" & 1"x3" ARE NON-STRUCTURAL MEMBERS MAY BE USED INTERCHANGEABLY.
7. DOOR LOCATION MAY BE DETERMINED/ RELOCATED BY CONTRACTOR IN THE FIELD. NOT TO AFFECT DESIGN SPANS AND STRUCTURAL MEMEBRS SHOWN.

MISCELLANEOUS:

3. SCREENED ENCLOSURES CONTAINING SWIMMING POOLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF FBC R4501.17 RESIDENTIAL SWIMMING BARRIER REQUIREMENTS.
2. ALUMINUM ADDITIONS ARE NOT TO BE INSTALLED ON A MANUFACTURED HOME, TRAILER HOME, OR PRE-FAB HOME. IF THE EXISTING STRUCTURE IS ONE OF THESE, A SEPARATE 4TH WALL SUPPORT SYSTEM IS SO TO BE ENGINEERED SO THAT NO ADDITIONAL LOADING IS PLACED ON THE MANUFACTURED HOME.
3. THE ENGINEERING ON THESE PLANS IS SITE SPECIFIC FOR (1) STRUCTURE ONLY AT THE PROVIDED ADDRESS(ES).

FASTENER SPECIFICATIONS:

1. FASTENERS ARE REQUIRED TO BE SAE GRADE 2 OR BETTER ZINC PLATED. (CONCRETE ANCHORS ARE TO BE #10 U.S. TAPCONS OR BETTER, INSTALLED TO MFG. SPECIFICATIONS)
2. WHERE WOOD DECK IS PRESENT USE 1/4" X 3-1/2" GALV. LAG SCREWS IN LIEU OF MASONRY ANCHORS. UNLESS OTHERWISE SPECIFIED.
3. FOR 1"x2" NON-STRUCTURAL MEMBERS ATTACHED TO HOST
- a.) FOR MASONRY/CONCRETE APPLICATION USE GALVANIZED 1/4" X 2-3/4" TAPCONS 6" FROM ENDS & 24" CENTER TO CENTER.
- b.) FOR WOOD APPLICATION USE #14 X 2-3/4" WOOD SCREW AT 6" FROM ENDS & 24" CENTER TO CENTER.
- c.) FOR ALUMINUM APPLICATION USE #10 X 1-1/2" SMS OR TEK 6" FROM ENDS & 24" CENTER TO CENTER..
- d.) WHERE 1"x2" INSTALLED THROUGHTOUT AN "OPEN VIEW" SPACING SHALL BE REDUCED TO 6" FROM ENDS & 18" C.C.

RESPONSIBILITIES:

1. ALL SITE WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LOCAL ORDINANCES, AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.
2. FOR FASTENERS WHICH ARE NOT VISIBLE AFTER INSTALLATION, THE CONTRACTOR SHALL VERIFY AND ENSURE INSTALLATION HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND IN ACCORDANCE WITH THE ATTACHED DETAILS.
3. CONTRACTOR TO PROVIDE NOA'S & INSTALL ALL MATERIALS AS PER MANUFACTURER'S SPECIFICATIONS.
4. INTEGRITY OF EXISTING/ HOST STRUCTURE SHALL NOT BE COMPROMISED WITH THE ATTACHMENT OF THE PROPOSED STRUCTURE.
5. IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN THE SCREENS & FASTENERS TO MANUFACTURING SPECIFICATIONS.
6. METAL WITHIN 5FT OF THE WATERS EDGE REQUIRE A CONTINUOUS BOND PER NEC NFPA 70: NATIONAL ELECTRIC CODE 680.43(D)(4): ALL METAL SURFACES THAT ARE WITHIN 1.5M (5FT) OF THE INSIDE WALLS OF THE SPA OR HOT TUB AND THAT ARE NOT SEPERATED FROM THE SPA OR HOT TUB AREA BY A PERMANENT BARRIER SHALL BE BONDED TOGETHER.

DESIGN CRITERIA:

APPLICABLE CODES, REGULATIONS & STANDARDS:

1. THE 2023 FLORIDA BUILDING CODE 8TH EDITION, SPECIFICALLY CHAPTER 16 STRUCTURAL DESIGN, CH. 20 ALUMINUM & CH. 23 WOOD.
2. AA ASM 35 & SPECIFICATIONS FOR ALUMINUM STRUCTURES, PART 1-A OF THE ALUMINUM DESIGN MANUAL PREPARED BY THE ALUMINUM ASSOCIATION, INC. WASHINGTON D.C. 2005 ED.
3. ASCE 7-22 & SEI 7
4. NDS NATIONAL DESIGN SPECIFICATION FOR WOOD.
5. ACI318 CONCRETE REFERENCE MANUAL.

WIND LOADS:

1. BUILDING OCCUPANCY CATEGORY, PARAGRAPH 1604.5 & TABLE 1604.5: RISK CATEGORY: I
2. BASIC WIND SPEED, TABLE 1609C, STATE OF FLORIDA DEBRIS REGION & BASIC WIND SPEED, PARAGRAPH 1609.3.1 & TABLE 1609.3.1 EQUIVALENT BASIC WIND SPEED:
MPH EXPOSURE CATEGORY, PARAGRAPH 1609.4.3:
3. WIND LOADS PER FBC TABLE 2002.4 (MWFRS)
VULT = 110 MPH & EXPOSURE = C

FOR 20 X 20 X 0.013" MESH SCREEN	
HORIZONTAL PRESSURES ON WINDWARD SURFACES =	21 PSF
HORIZONTAL PRESSURES ON LEEWARD SURFACES =	16 PSF
VERTICAL PRESSURES ON SCREEN SURFACES =	7 PSF
VERTICAL PRESSURES ON SOLID SURFACES =	21 PSF

FOR 18 X 14 X 0.013" MESH SCREEN, APPLIED FACTOR = .88
FOR ALLOWABLE STRESS DESIGN, APPLIED FACTOR = .6

DESIGN LOADS:	
1. DEAD LOADS =	MEMBER SELF-WEIGHT
2. LIVE LOADS	
a. PRIMARY MEMBERS =	300 LB. VERT. LOAD
b. SECONDARY MEMBERS =	200 LB. VERT. LOAD
c. SCREEN ROOF =	5 PSF
d. SOLID ROOF =	20 PSF

ALUMINUM MEMBERS DIMENSIONS:

HOLLOW SECTIONS

2 x 2: 2" x 2" x 0.050"
2 x 3: 2" x 3" x 0.050"
2 x 4: 2" x 4" x 0.050"
2 x 5: 2" x 5" x 0.050"

OPEN BACK SECTIONS

1 x 2: 1" x 2" x 0.044"
1 x 3: 1" x 3" x 0.045"

SNAP SECTIONS

2 x 2 SNAP: 2" x 2" x 0.045"
2 x 3 SNAP: 2" x 3" x 0.050"
2 x 4 SNAP: 2" x 4" x 0.045"

SELF MATING (SMB)

2 x 4 SMB: 2" x 4" x 0.046" x 0.100"
2 x 5 SMB: 2" x 5" x 0.050" x 0.116"
2 x 6 SMB: 2" x 6" x 0.050" x 0.120"
2 x 7 SMB: 2" x 7" x 0.055" x 0.120"
2 x 8 SMB: 2" x 8" x 0.072" x 0.224"
2 x 9 SMB: 2" x 9" x 0.072" x 0.224"
2 x 9(H) SMB: 2" x 9" x 0.082" x 0.306"
2 x 10 SMB: 2" x 10" x 0.092" x 0.374"

RECTANGULAR TUBES

2 x 6 R.T.: 2" x 6" x 0.125" (6063-T52)
 2 x 8 R.T.: 2" x 8" x 0.125" (6063-T52)
 2 x 8 (H) R.T.: 2" x 8" x 0.250" (6063-T52)
 2 x 10 R.T.: 2" x 10" x 0.125" (6063-T6)
 2 x 10 (H) R.T.: 2" x 10" x 0.250" (6063-T6)

ALL MAY NOT APPLY

DETAIL "A" MEMBER DIMENSIONS

SHEET NO.	DRAWING INDEX
S/01	GENERAL NOTES
S/02	PLAN/ ELEVATIONS
S/03	DETAILS
S/04	DETAILS
S/05	DETAILS

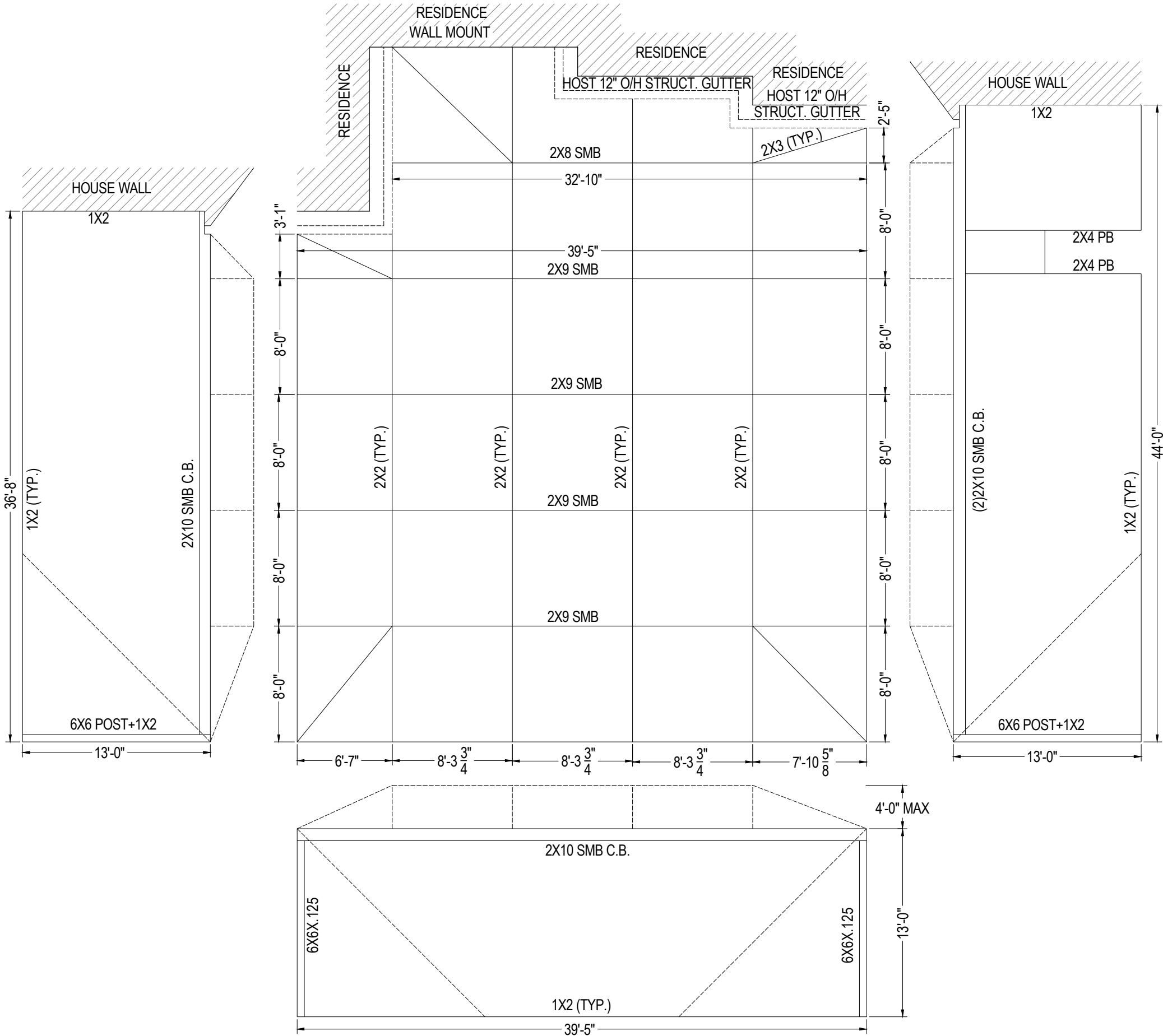
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(941) 391-5980
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Orders@FLEng.com

PROJECT NO. 2613816

CA CERT. #30782

CONTRACTOR: ALPHA BUILDERS OF NORTH FLORIDA LLC		PROJECT ADDRESS: NEYLON 296 SE NATURE DR LAKE CITY FLORIDA, 32025	
DESIGN DATE:		05/26/2026	
REVISION 1:		DATE	
REVISION 2:	DATE	SHEET: 01	
DRAWN BY:	JDG		
SCALE:	NTS		

PROPOSED MANSARD SCREEN ENCLOSURE
PLAN/ ELEVATIONS SCALE: NTS



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HATCH/ SYMBOL LEGEND

HATCH	INDICATES
	EXIST. STRUCTURE

NOTE: ALL MAY NOT APPLY

FOUNDATION NOTES:
EXISTING 12"X12" DEEP RIBBON FOOTER w/
3000 PSI CONC. (MIN.)

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GIRT FASTENED INTERNALLY
AT EACH END w/
#10x1.5" EACH SCREW GROOVE

2"x2"x1/8" ANGLE w/
(4) #12 X 9/16" TO BEAM
(1) 1/4" DIA. X 3-1/2" KWIKSET
THRU ANGLE TO WALL
EACH SIDE TYP.

ROOF BEAM
(SLOPED OR FLAT)

2"x2"x1/8" ANGLE w/
(4) #12 X 9/16" TO BEAM
(1) 1/4" DIA. X 2-1/4" KWIKSET
THRU ANGLE TO WALL
EACH SIDE TYP.

2"x2"x0.062"
RECEIVING CHANNEL w/
(2) #10x3/4" EA SIDE TO
COVER EXPOSED BEAM
(NO MORE THAN 6" MAY
BE TRIMMED HORIZONTALLY)

HOST

NOTES:
1. FOR 2X9 AND 2X10 USE #14 INTO BEAM &
(2) 1/4" KWIKSET THRU ANGLE BELOW GIRT
INTO HOST 2-1/4" MINIMUM.
2. FOR WOOD APPLICATION USE:
1/4" X DIA. X 3" GALV. LAG
IN LIEU OF MASONRY ANCHORS.

SIDE VIEW

ROOF BEAM CONNECTION - MASONRY/ WOOD HOST
DETAIL SCALE: N.T.S.

CONTRACTOR:
ALPHA BUILDERS OF NORTH
FLORIDA LLC

PROJECT ADDRESS:
NEYLON
296 SE NATURE DR
LAKE CITY FLORIDA, 32025

DESIGN DATE: 05/26/2026

REVISION 1: DATE

REVISION 2: DATE

DRAWN BY: JDG

SCALE: NTS

SHEET:
02

NOTES:
1. FOR MOMENT CONNECTION SEE DETAIL "K" TABLE
"B-1"

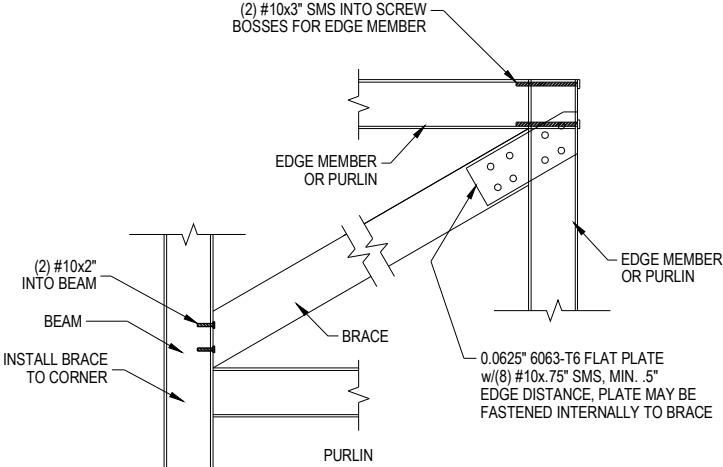
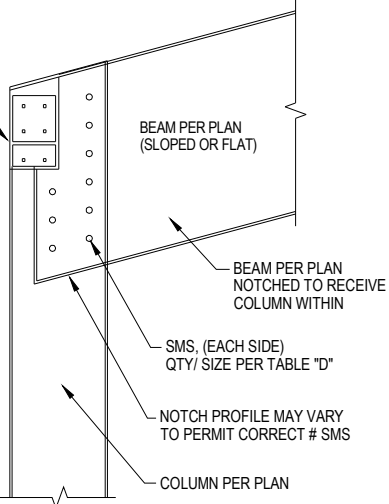
1"x2" FASTEN TO COL. (INTERNAL)
w/(2) #10x1-1/2" SMS, FASTEN TO
EAVE RAILS ABOVE w/#10 1-1/2" SMS
24" O.C. AND 6" WITHIN COL.

TABLE "D"

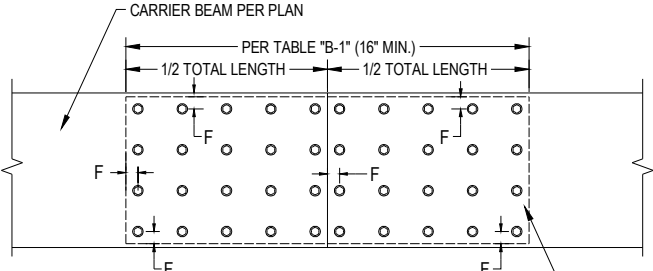
BEAM	QTY/ SIZE EACH SIDE
2 x 3	(4)/ #12
2 x 4	(5)/ #12
2 x 5	(5)/ #12
2 x 6	(6)/ #12
2 x 7	(7)/ #12
2 x 8	(8)/ #14
2 x 9	(9)/ #14
2 x 10	(9)/ #14

MAINTAIN MIN. OF 5/8" SEPERATION
FROM EDGE OF BEAM SMS O.C.

DETAIL "E" - UPRIGHT TO BEAM
CONNECTION SCALE: NTS



DETAIL "D" - ROOF BRACING CONNECTION
SCALE: NTS



NOTES:
1. PROVIDE CAMBER IN BEAM (OVERALL LENGTH) NOT
TO EXCEED 1" TO PREVENT SELF WEIGHT DEFLECTION.
2. BEAM SPLICE TO BE PROVIDED WITHIN 1/4 TO 1/3
TOTAL SPAN.

BEAM SIZE	BEAM TO BEAM QTY SMS EACH FACE/SIDE	GUSSET SIZE
2 x 4	(6) #12	16" X 3.75"
2 x 5	(6) #12	16" X 4.75
2 x 6	(10) #12	19" X 5.75"
2 x 7	(12) #12	22" X 6.75"
2 x 8	(12) #14	23" X 7.75"
2 x 9	(18) #14	23" X 8.75"
2 x 10	(18) #14	24" X 9.75"

NOTE F
INSTALL FASTENERS ALONG PERIMETER OF GUSSET
-BEAM JOINT 3/8" MIN. FROM EDGE. FASTENERS
MAY BE STAGGERED TO INSURE PROPER
QUANTITY PER TABLE B-1

FASTENER PATTERN MAY APPEAR DIFFERENT
FROM ILLUSTRATION.
MAINTAIN 5/8" SEPARATION BETWEEN FASTENERS.
MAINTAIN 3/8" MIN. FASTENER SEPARATION FROM
BEAM JOINT OR EDGE OF BEAM LAP
FASTENERS MAY BE EVENLY SPACED AROUND
EDGE OF GUSSET WITHIN 3/8" OF BEAM JOINT.
FASTENERS MAY BE STAGGERED TO INSURE
PROPER QUANTITY PER TABLE B-1

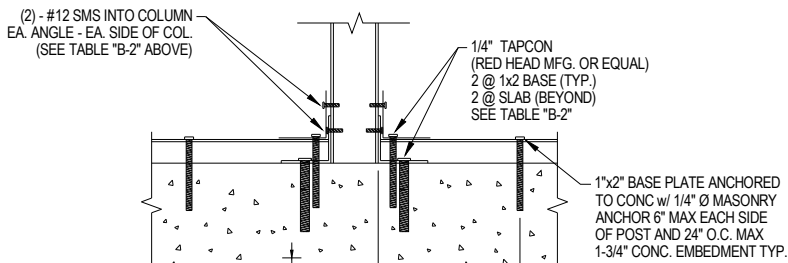
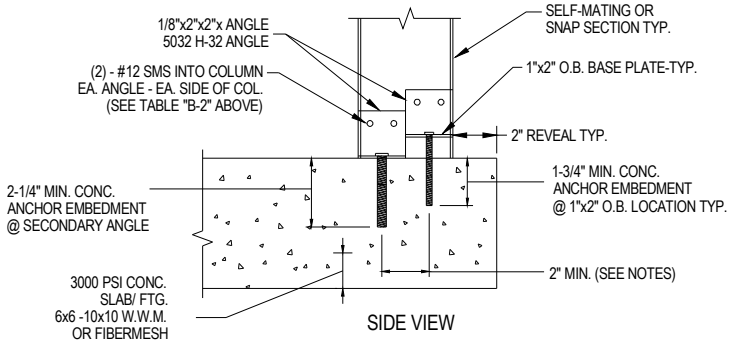
CARRIER BEAM SPLICE GUSSET CONNECTION
SCALE: NTS

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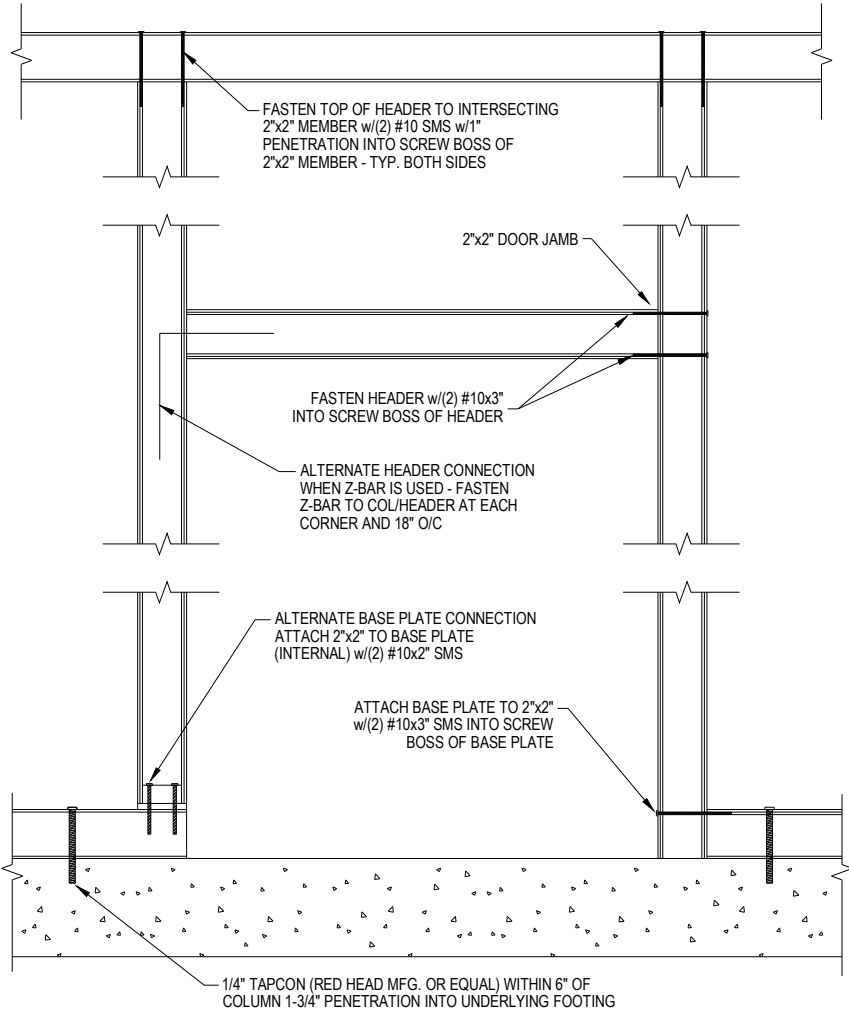
TABLE "B-2" 2"x4" OR LARGER SELF MATING
UPRIGHT TO DECK DETAIL SPECIFICATIONS

UPRIGHT SIZE	MINIMUM NUMBER OF 1/4" Ø TAPCONS INTO CONCRETE EACH SIDE TYP.	QTY. #12x3/4" SMS INTO UPRIGHT EACH SIDE TYP.
2 x 4	(2) 1/4" Ø	(2) #12
2 x 5	(2) 1/4" Ø	(4) #12
2 x 6	(3) 1/4" Ø	(5) #12
2 x 7	(3) 1/4" Ø	(6) #12
2 x 8	(4) 1/4" Ø	(7) #12
2 x 9	(4) 1/4" Ø	(8) #12
2 x 10	(5) 1/4" Ø	(9) #12

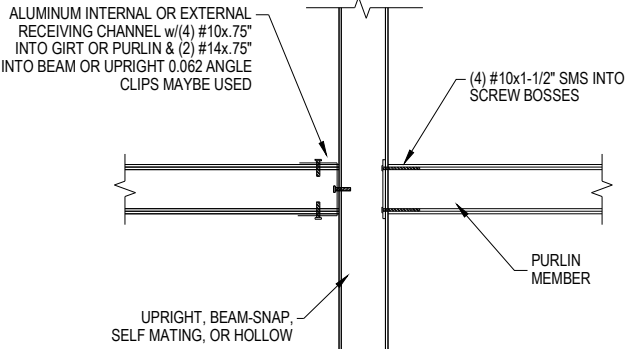
DETAIL "B" NOTES:
1. QUANTITY ANCHORS SPECIFIED ON SCHEDULE TO
BE INSTALLED EACH SIDE OF UPRIGHT TYP.
2. WHERE PAVERS ARE PRESENT CONTRACTOR USE
3/8"Ø LDT OR 5/16" Ø XL (RED HEAD MFR.) x 5"-7" TO
PENETRATE INTO UNDERLYING CONCRETE FOOTING
2-1/4" (MIN.)
3. 2X3/ 1X2 CORNER COMBO SHALL BE FASTENED IN
SIMILAR MANNER AS 2X4.
4. FOR 2X3/ 2X2 DOOR SECONDARY ANGLE @ SLAB
(BEYOND) NOT REQUIRED.
5. FOR IN FILL UPRIGHT FASTENED TO LINTEL IN
SIMIALR MANNER AS SHOWN.
6. FOR WOOD APPLICATION USE 1/4" Ø X3" GALV. LAG
SCREWS INTO WOOD HOST (3-5/8" THICK MIN.) IN
LIEU OF MASONRY ANCHORS.



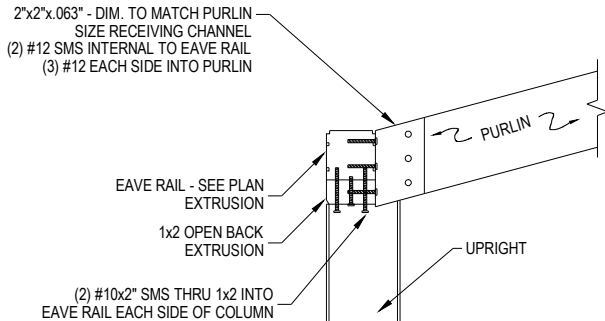
DETAIL "B" - 2"x4" OR LARGER SELF MATING
UPRIGHT TO DECK DETAILS SCALE: NTS



DETAIL "F" - DOOR JAMB & HEADER
CONNECTION SCALE: NTS

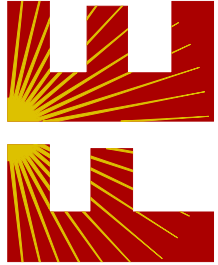


DETAIL "C" - GIRT OR PURLIN TO BEAM
OR POST DETAIL SCALE: NTS



DETAIL "G" - SLOPED PURLIN
CONNECTION SCALE: NTS

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CA CERT. #30782

PROJECT NO. 2613816

CONTRACTOR:
ALPHA BUILDERS OF NORTH
FLORIDA LLC

PROJECT ADDRESS:

NEYLON
296 SE NATURE DR
LAKE CITY FLORIDA, 32025

DESIGN DATE: 05/26/2026

REVISION 1: DATE

REVISION 2: DATE

DRAWN BY: JDG

SCALE: NTS

SHEET:

03

GIRT FASTENED INTERNALLY AT EACH END w/ #10x1.5" EACH SCREW GROOVE. FASTEN TO BEAM w/ 2"x2"x1/8" ANGLE (2) #12 SMS INTO BEAM & (2) #10x1.5 THRU ANGLE INTO GUTTER WHERE NO GIRT IS PRESENT, ATTACH ANGLE DIRECTLY TO GUTTER

1"x5"x2" WIDTH EXTRUDED GUTTER BRACKET (THICKNESS OF LEG @ WOOD SCREW SHALL BE 0.125" MIN., LONG LEG SHALL BE 0.072" MIN.) @ EACH BEAM w/(2) #12x3/4" SMS @ 1" SPACING INTO GUTTER LIP. FOR BEAMS ABOVE 2x8 INSTALL GUTTER BRACE AT MIDPOINT BETWEEN BEAMS & INCLUDE 2" GUTTER BRACE AT EACH BEAM LOCATION.

2"x2"x1/8" ANGLE w/(2) #12 SMS EACH LEG

EXISTING HOST STRUCTURE (DESIGNED BY OTHERS)

(2) #14 WOOD SCREWS @ 1" SPACING @ EACH GUTTER BRACKET & (1) @ 18" O.C. MAX. MIN. EMBEDMENT SHALL BE 2"

CLOSE BOTTOM OF BEAM WHEN TRIMMED .044 RECEIVING CHANNEL, FASTEN w/(2) #10 SMS EACH SIDE OF BEAM (NO MORE THAN 6" MAY BE TRIMMED HORIZONTALLY)

FOR BEAM OVER 2x5 .044 RECEIVING CHANNEL FASTEN TO STRUCTURAL GUTTER INTERNALLY w/(2) #12 SMS ALTERNATELY 2x2x1/8" ANGLE BELOW GIRT, (2) #14 SMS INTO BEAM & (2) #12 SMS INTO STRUCTURAL GUTTER

SIDE VIEW

OPTIONAL GIRT
#10 SMS WITHIN 6" & @ 24" O.C. MAX.

FASTEN GUTTER TO FASCIA w/ #14x2" WOOD SCREW 18" O.C.

(2) #12 SMS

(2) #14x2" WOOD SCREW @ 1" SPACING

FASCIA (2"x6" MIN. EXISTING)

STRUCTURAL GUTTER

2x2x1/8" ANGLE w/ (2) #12 SMS EACH LEG EACH SIDE TYP.

TOP VIEW

DETAIL "H" BEAM TO GUTTER CONNECTION SCALE: NTS

BEAM SIZE x2 EXAMPLE:
FOR 2x5 USE 10"x3/16" PLATE

3/16"-5052-H32 GUSSET
INTERNAL OR EXTERNAL
2 x 10 SMB ILLUSTRATED

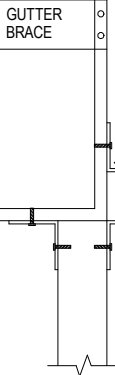
NOTE F
INSTALL FASTENERS ALONG PERIMETER OF GUSSET -BEAM JOINT 3/8" MIN. FROM EDGE. FASTENERS MAY BE STAGGERED TO INSURE PROPER QUANTITY PER TABLE B-1

FASTENER PATTERN MAY APPEAR DIFFERENT FROM ILLUSTRATION. MAINTAIN 1/2" SEPARATION BETWEEN FASTENERS. MAINTAIN 3/8" MIN. FASTENER SEPARATION FROM BEAM JOINT OR EDGE OF BEAM LAP. FASTENERS MAY BE EVENLY SPACED AROUND EDGE OF GUSSET WITHIN 3/8" OF BEAM JOINT. FASTENERS MAY BE STAGGERED TO INSURE PROPER QUANTITY PER TABLE B-1

DETAIL "K" GUSSET CONNECTION SCALE: NTS

TABLE B-1		
BEAM SIZE	COL. TO BEAM QTY SMS/ SIDE OF COL.	BEAM TO BEAM QTY SMS/ EA. FACE/SIDE
2 x 4	(5) #12	(9) #12
2 x 5	(5) #12	(9) #12
2 x 6	(7) #12	(9) #12
2 x 7	(10) #12	(10) #12
2 x 8	(12) #12	(14) #12
2 x 9	(14) #14	(14) #14
2 x 10	(16) #14	(15) #14

.050" GUTTER STIFFNER
FASTEN TO FASCIA w/(2) #14x2" WOOD SCREW
FASTEN TO GUTTER w/(2) #12 SMS



WHEN BEAM & PURLIN HIT ON CORNER - FASTEN OUTSIDE OF BEAM & PURLIN w/ 1/8"x2"x2" ANGLE & (4) #12 SMS EACH LEG

FASTEN INSIDE CORNER (BEAM TO PURLIN) w/ 1/8"x2"x2" ANGLE w/(2) #12 SMS INTO EA. MEMBER (BEAM & PURLIN)

DETAIL "M" BEAM & PURLIN TO GUTTER CONNECTION SCALE: NTS

2x2x1/8" ANGLE w/ (2) #12 SMS EACH LEG EACH SIDE TYP.

(2) #12 SMS

(2) #14x2" WOOD SCREW @ 1" SPACING

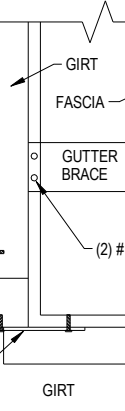
SIDE VIEW

STRUCTURAL GUTTER

1/8"x2"x4" FLAT STRAP (2) #12 SMS INTO BEAM (2) #12 SMS INTO GUTTER

SMB

GIRT



(2) GUTTER BRACES EACH w/(2) #12 SMS INTO GUTTER & (2) #14 WOOD SCREWS INTO FASCIA

2"x2"x1/8" ANGLE w/(2) #12 SMS EA. LEG

SMB

GIRT

TOP VIEW

DETAIL "L" CORNER CONNECTION SCALE: NTS

1/8"x2"x4" STRAP (2) #12 SMS INTO BEAM (2) #12 SMS INTO GUTTER

STRUCTURAL GUTTER

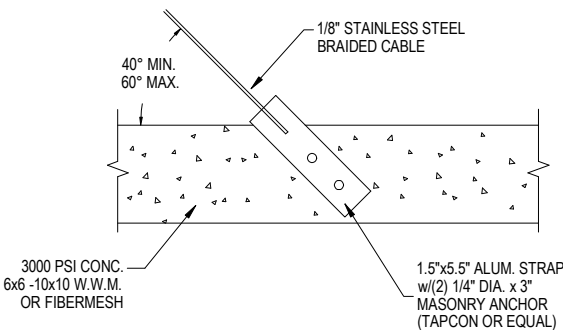
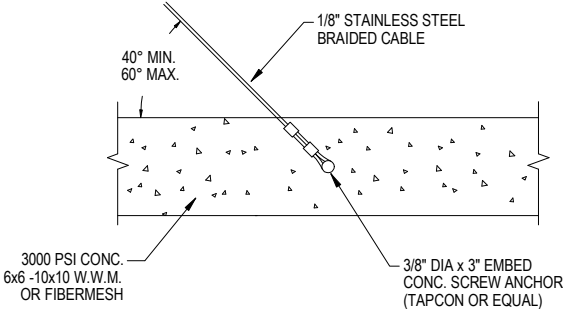
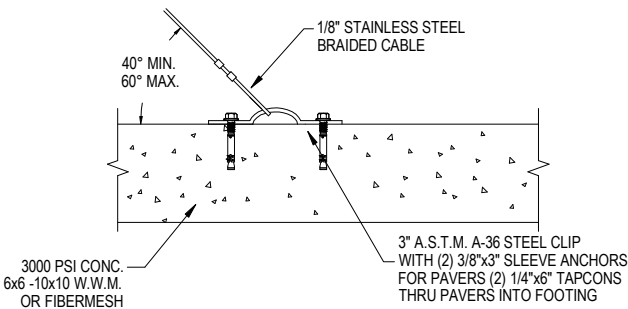
(9) #14x3/4" SMS
1/8" PLATE ON 45° ANGLE w/ (9) #14x3/4" SMS OR 1/8"x2"x2" ANGLE w/ (4) #12 SMS INTO EACH INTERSECTING MEMBER

PERIMETER FRAMING

3/8" DIA. ADJUSTABLE EYEBOLT FOR CABLE TENSION

1/8" DIA. STAINLESS STEEL BRAIDED CABLE

DETAIL "I-2" CABLE CONNECTION AT CORNER SCALE: NTS



DETAIL "I-1" CABLE CONNECTION AT FOUNDATION SCALE: NTS

This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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PROJECT NO. 2613816

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REVISION 1: DATE

REVISION 2: DATE

DRAWN BY: JDG

SCALE: NTS

SHEET:

04

