

TRUSS PACKAGE

BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED

TRANSVERSE LONGITUDUNAL 11678 LBF 13358 LBF 6518 LBF REQUIRED 10181 LBF

ACTUAL vs REQUIRED SHEARWALL

UNLESS NOTED OTHERWISE (MINIMUM REQUIERMENTS) ***SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS***

ALL HEADERS W/ UPLIFT TO BE STRAPPED DOWN @ EACH SIDE WRAP UNDER BOTTOM PLATE & OVER TOP PLATE 1/2" X 10" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER

MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.) JACK STUDS UNDER GIRDER TRUSS USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD

HEADERS (STRAPING)

HEADER LEGEND

3 -16d OR 6 - .131 x 3" TOE NAILS

3 - 16d OR 6 - .131 x 3" FACE NAILS

3 - 18d OR 6 - 131 x 3" FACE NAILS

4 - 16d OR 8 - .131 x 3" FACE NAILS EACH TRUSS

NG 6-16d OR 12 - .131 x 3" TOE NAILS

3 -16d OR 6 - .131 x 3" TOE NAILS

3 -16d OR 6 - .131 x 3" TOE NAILS 3 -16d OR 6 - .131 x 3" NAILS

3 -16d OR 6 - .131 x 3" FACE NAILS 3 -16d OR 6 - .131 x 3" FACE NAILS

CRIPPLE TO RAFTERS

SLEEPER TO TRUSS

10 CRIPPLE TO TRUSS

RAFTER TO SLEEPER OR BLOCK

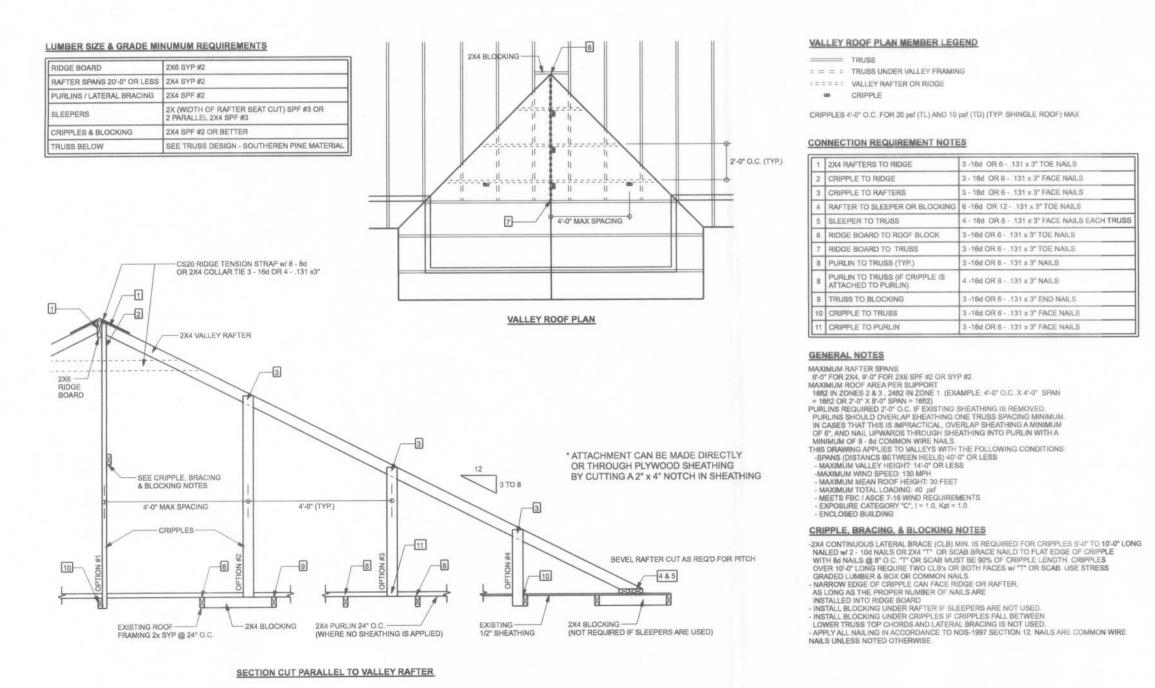
RIDGE BOARD TO ROOF BLOCK

PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN) 4 -16d OR 8 - .131 x 3" NAILS

RIDGE BOARD TO TRUSS
PURLIN TO TRUSS (TYP.)

(2) 2X6X0',1J 1K HEADER/BEAM CALL-OUT (U.N.O.) - NUMBER OF KING STUDS EACH SIDE OF OPENING (FULL LENGTH) NUMBER OF JACK STUDS EACH SIDE OF OPENING (UNDER HEADER) SPAN OF HEADER SIZE OF HEADER MATERIAL

NUMBER OF PLIES IN HEADER



ROOF OVER FRAMING & BRACING DETAIL

MASONRY NOTE: MASONRY CONSTRUCTON AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO AL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUC'URES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AN MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFYTHE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-0 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ICI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING

	ACI530.1-02 Section	Specific Requirements
1.4A	Compressive strength	8" block bearing walls F'm = 1500 psi
2.1	Mortar	ASTM C 270, Type N, UNO
2.2	Grout	ASTM C 476, admixtures require approval
2.3	CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block
2.3	Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"
2.4	Reinforcing bars, #3 - #11	ASTM 615, Grade 40, Fy = 40 ksi, Lap splices min 40 bar dia. (25" for #5)
2.4F	Coating for corrosion protection	Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 0.60 oz/ft2 or 304SS
2.4F	Coating for corrosion rotection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/ft2 or 304SS
3.3.E.2	Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7	Movement joints	Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.

(1) LEG LAPPED w/ THE HORIZONTAL BOND BEAM REBAR SPACED THE SAME AS VERTICAL REBAR CONCRETE SLAB--(1) #5 CONTINUOUS IN HEADER-BLOCK BOND BEAM @ SLAB EDGE INTERSECTION w/ STEMWALL -#5 VERT. REBAR w/ STD. HOOK IN FOOTING @ EACH CORNER & 72" OC -8X8X16, RUNNING BOND, CMU STEM WALL, MAX 5 COURSES (SEE SPECIAL REINFORCEMENT TABLE FOR MORE THAN 5 COURSES) 3" MIN. COVER (TYP.) • • -20" W X 10" D POURED CONCRETE STRIP FOOTING w/ (2) #5 REBAR CONTINUOUS STEM WALL FOOTING SCALE: 1/2" = 1'-0" BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL

NOTE: FOR STEM WALL FOUNDATIONS

OVER 5 COURSES IN HEIGHT THE SLAB

IS REQUIERED TO BE ATTACHED TO THE

STEM WALL @ BOND BEAM w/

(1) LEG EXTENDING INTO SLAB &

2' X 2' #5 CORNER REBARS

ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS

STEP DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, PE IS NOT RESPONSIBLE FOR

CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING FN - 2 IN ALL AREAS BY REVIEWINGTHE ROOF TRUSS PLAN

FN - 3 THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/

6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS @ 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL

POLY VAPOR BARRIER w/ 6" LAPS SEALED w/

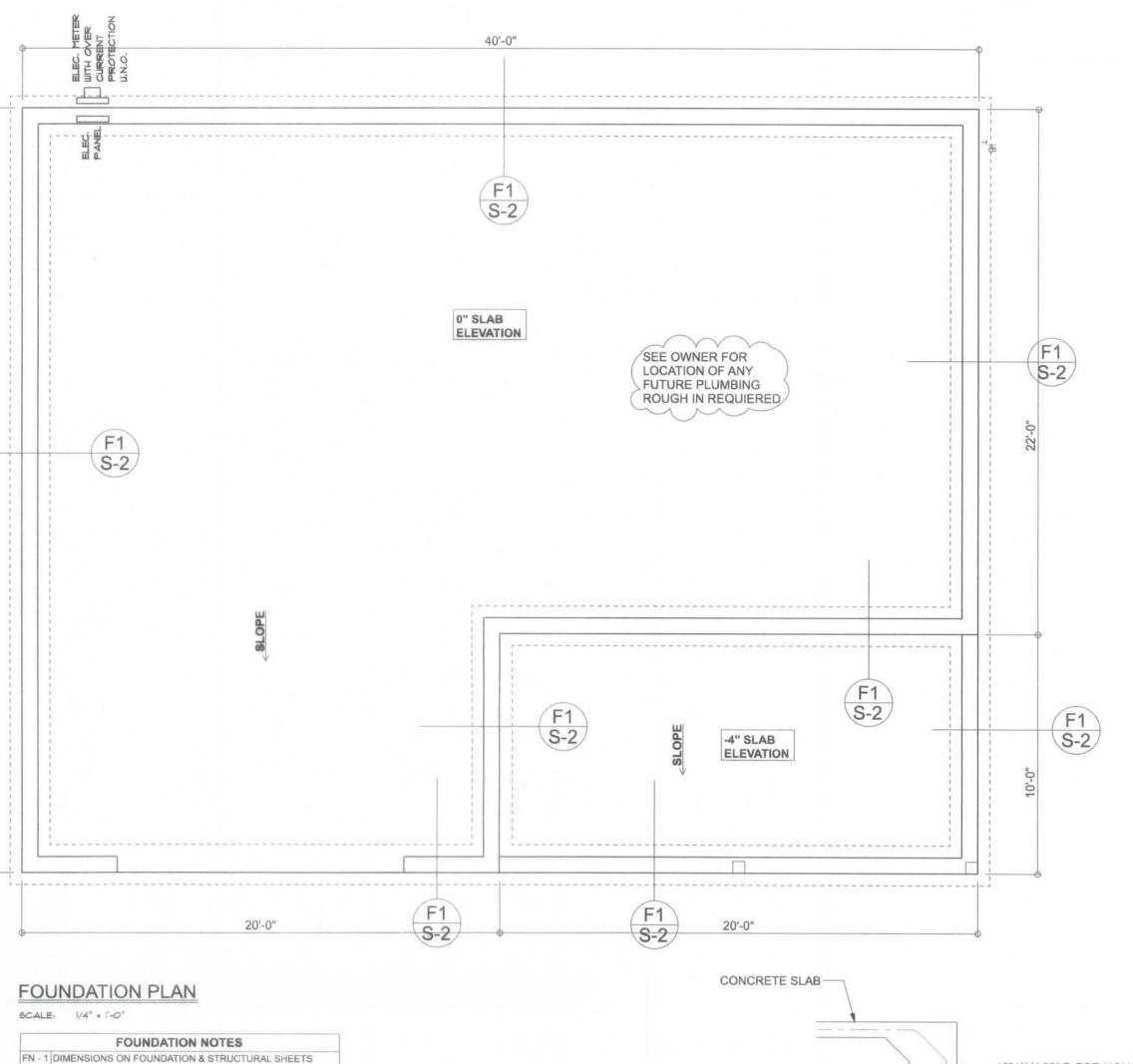
(BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN

POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED TERMITE-TREATMENT

FOR ACTUAL DIMENSIONS, RECESSES IN SLAB,

DIMENSION ERRORS ON THIS PLAN.

METHOD CAN BE USED INSTEAD)



OPTIONAL MONOLITHIC FOOTING SCALE: 1/2" = 1'-0" CONCRETE SLAB--16" W X 12" D THICKENED SLAB FOOTING w/ (2) #5 CONTINUOUS

-12" W X 20" D FOR HOUSE

12" W X 16" D FOR PORCH

w/ (2) #5 CONTINUOUS

MONO FOOTING

INTERIOR BEARING FOOTING S-2 SCALE: 1/2" = 1'-0" - CONCRETE SLAB -16" W X 12" D THICKENED SLAB FOOTING w/ (2) #5 CONTINUOUS

INTERIOR BEARING STEP FOOTING SCALE: 1/2" = 1'-0"

TALL STEM WALL TABLE:

The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below. STEMWALL UNBALANCED VERTICAL REINFORCEMENT VERTICAL REINFORCEMENT BACKFILL FOR 8" CMU STEMWALL FOR 12" CMU STEMWALL (FEET) (INCHES O.C.) (INCHES O.C.) #5 #7 #8 #5 #7 #8 3.3 4.0 4.7 4.3 5.3 6.0

6.7 6.3 7.3 7.0 8.0 7.7 16 32 48 8.3 8 24 32 24 48 9.0 8 16 24 16 40

FL PE 53915 This item has been digitally signed and sealed by Mark Disosway PE on digital signature date.

Printed copies of this document are not considered verified on any electronic copies. No 5,3915 5/5/2023

DIMENSIONS: Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 7th Edition Florida Building Code Residential (2020) to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

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JOB NUMBER: 230385 **S-2**

OF 4 SHEETS