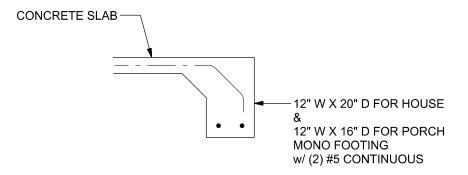
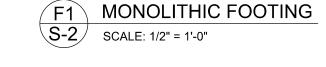
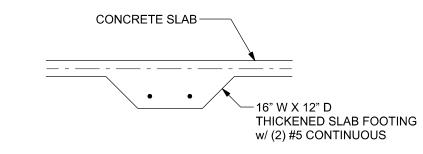


OPTIONAL STEM WALL FOOTING

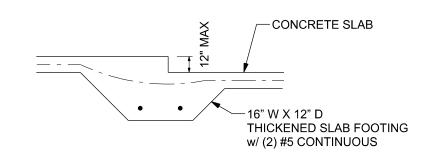
S-2 | SCALE: 1/2" = 1'-0"







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



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

Review for Code Compliance
Universal Engineering Science

PX2707

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 HEIGHT (FEET) BACKFILL HEIGHT FOR 8" CMU STEMWALL FOR 12" CMU STEMWALL (INCHES O.C.) (INCHES O.C.) #7 #8 #5 #7 #8 6.3 8.7 8.3 8 24 32 24 48 64 9.3 9.0 8 16 24 16 40 48

TALL STEM WALL TABLE:

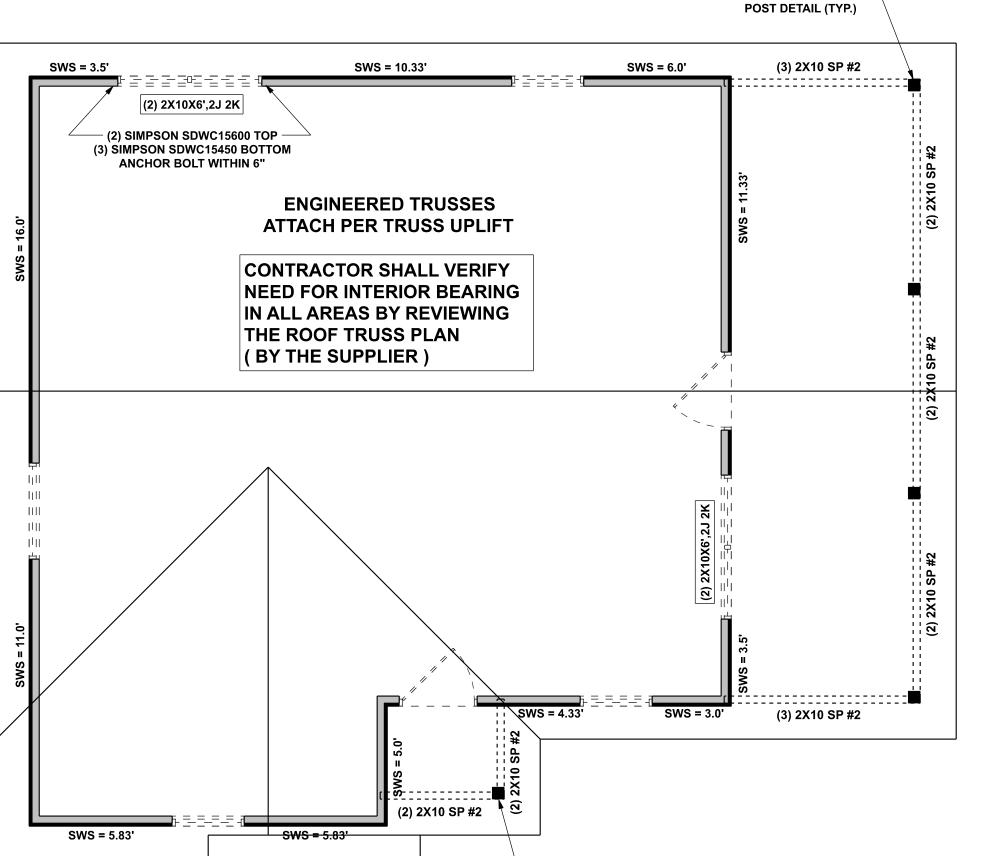
THE (PRO(BETV ANY I	ENTRACTOR AND MASON MUST IMMEDIATELY, BEFORE EDING, NOTIFY THE ENGINEER OF ANY CONFLICTS EN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ICEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY GINEER IN WRITING.				
	ACI530.1-02 Section	Specific Requirements			
1.4A	Compressive strength	8" block 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			

MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION

embedded in mortar or grout, ASTM A525, Class G60, 0.60 oz/ft2 or 304SS Joint reinforcement in walls exposed to Coating for corrosion protection moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/ft2 3.3.E.2 Pipes, conduits, and accessories Any not shown on the project drawings require engineering approval. Contractor assumes responsibility for type and location of movement joints if not

BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL

06/30/2022



SEE PORCH -

STRUCTURAL PLAN

SCALE: 1/4" = 1'-0"

POST DETAIL (TYP.)

S-2

FOUNDATION NOTES FN - 1 DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS

ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB,

6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS

POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL

@ 1 1/2" DEPTH OR FIRER MESH CONCRETE 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/

CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING N - 2 IN ALL AREAS BY REVIEWINGTHE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN FN - 3 THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED w/

MARK DISOSWAY, PE IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.

FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



S-2

S-2

-4" SLAB

< SLOPE

ELEVATION

ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SP #2 (U.N.O.)

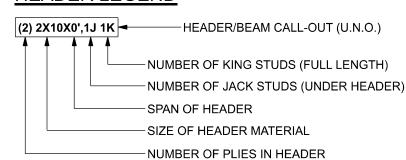
ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)

SN-3 USE ONE JACK STUD GIRDER SUPPORT PER 2500 LB LOAD

DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI1-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

HEADER LEGEND



ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDUNAL
ACTUAL	11239 LBF	9316 LBF
REQUIRED	9533 LBF	6478 LBF

		SEE PORCH POST DETAIL (TYP	2.)
SWS = 3.5'	SWS = 10.33'	SWS = 6.0' (3) 2X10 SP =	#2
(2) 2X10X((2) SIMPSON SDW(3) SIMPSON SDW(ANCHOR BOL	WC15600 TOP ———————————————————————————————————	SWS = 11.33*	(2) 2X10 SP #2
	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER)		2X10 SP #2
		"	(2) 2)
		(2) 2X10X6',2J 2K = 3.5'	(2) 2X10 SP #2
		S S S S	
SWS = 5.83'	SWS = 4.	33' SWS = 3.0' (3) 2X10 SP :	#2

CONTRACTOR SHALL VERIFY

NEED FOR INTERIOR BEARING

IN ALL AREAS BY REVIEWING

(BY THE SUPPLIER) BEFORE

FINALIZING FOUNDATION PLAN

0" SLAB

ELEVATION

-4" SLAB ELEVATION

F1 S-2

S-2/

THE ROOF TRUSS PLAN

Accessory Dwelling Lot 62 The Preserv

DIMENSIONS: Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserve its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express writter

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.

permission and consent of Mark Disosway.

LIMITATION: This design is valid for one building, at specified location. MARK DISOSWAY P.E. 53915

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Wednesday, June 15, 2022 Mark Disosway P.E.

163 SW Midtown Place Suite 103 Lake City, Florida 32025 386.754.5419 disoswaydesign@gmail.com

> JOB NUMBER: 220674 **S-2** OF 2 SHEETS