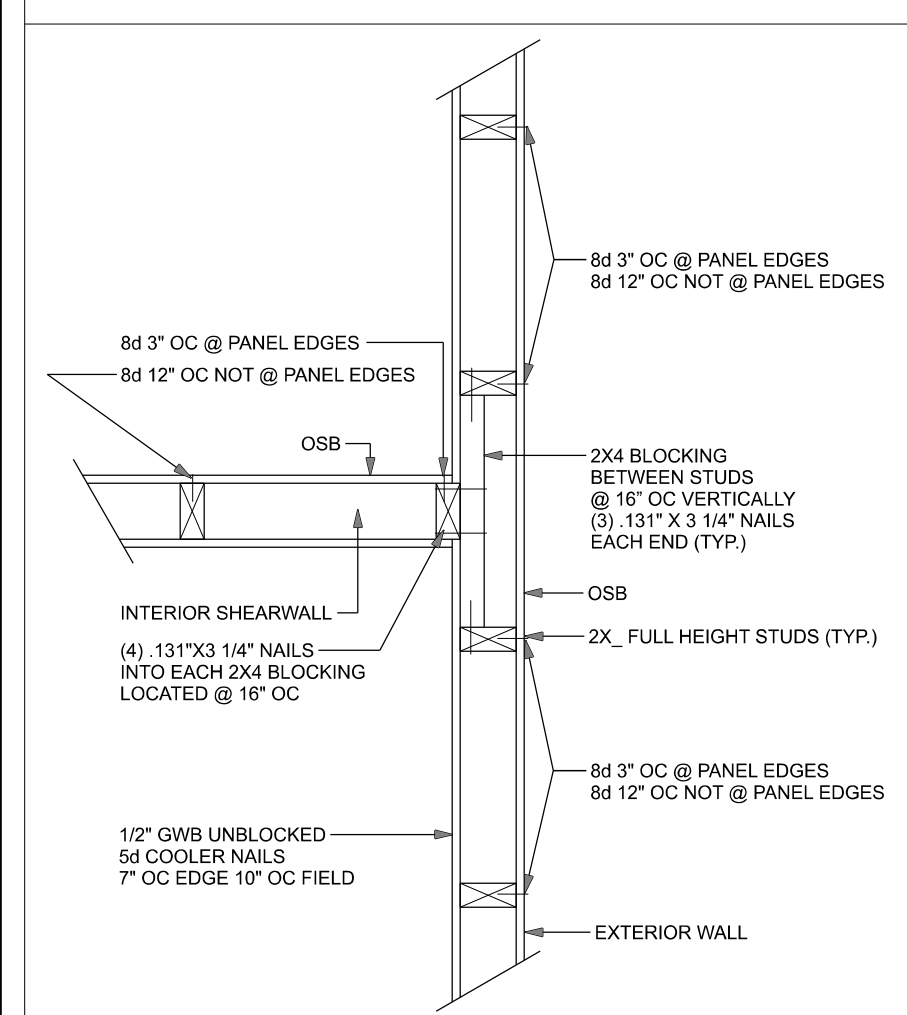
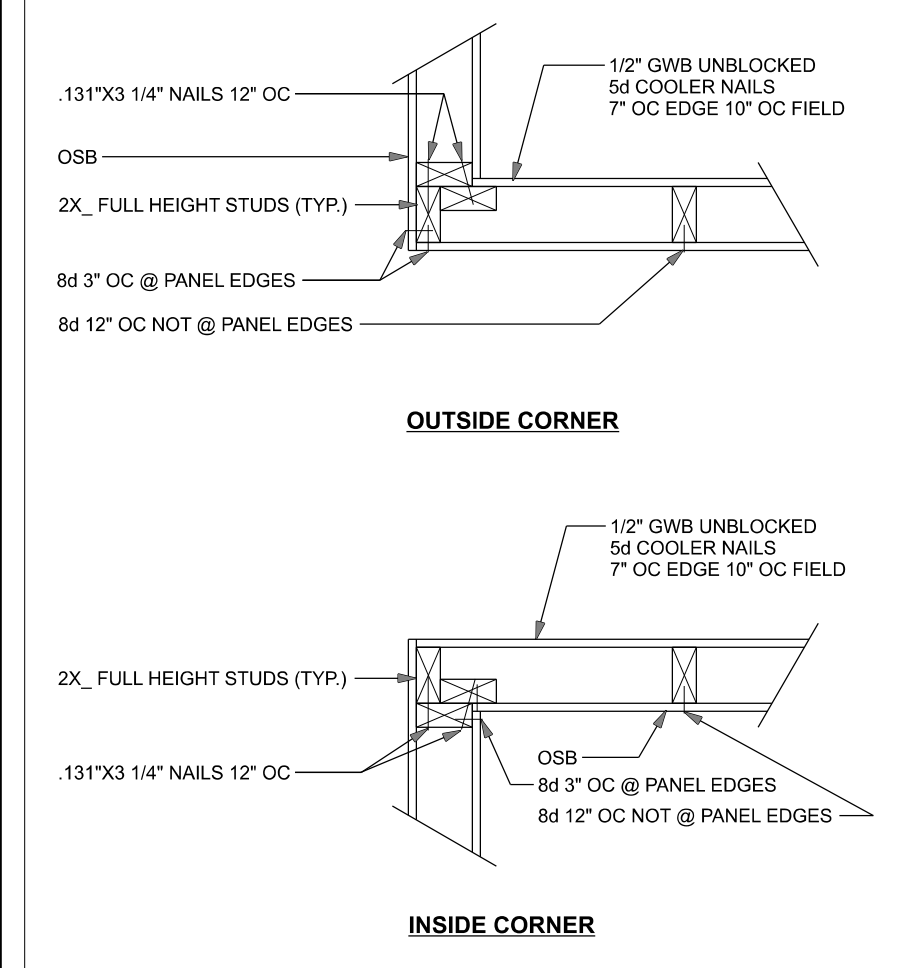


ONE STORY WALL SECTION
SCALE: 3/4" = 1'-0"



(TYP.) INTERSECTING WALL FRAMING
WOOD FRAME

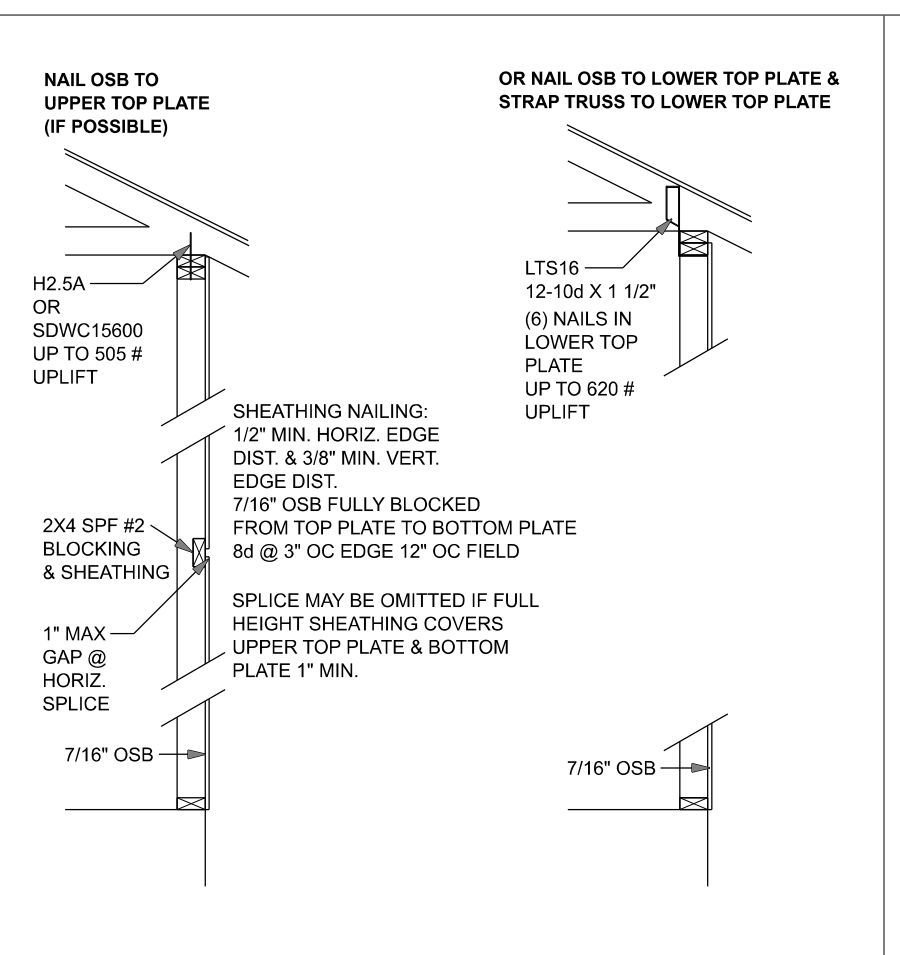


(TYP.) CORNER FRAMING
WOOD FRAME

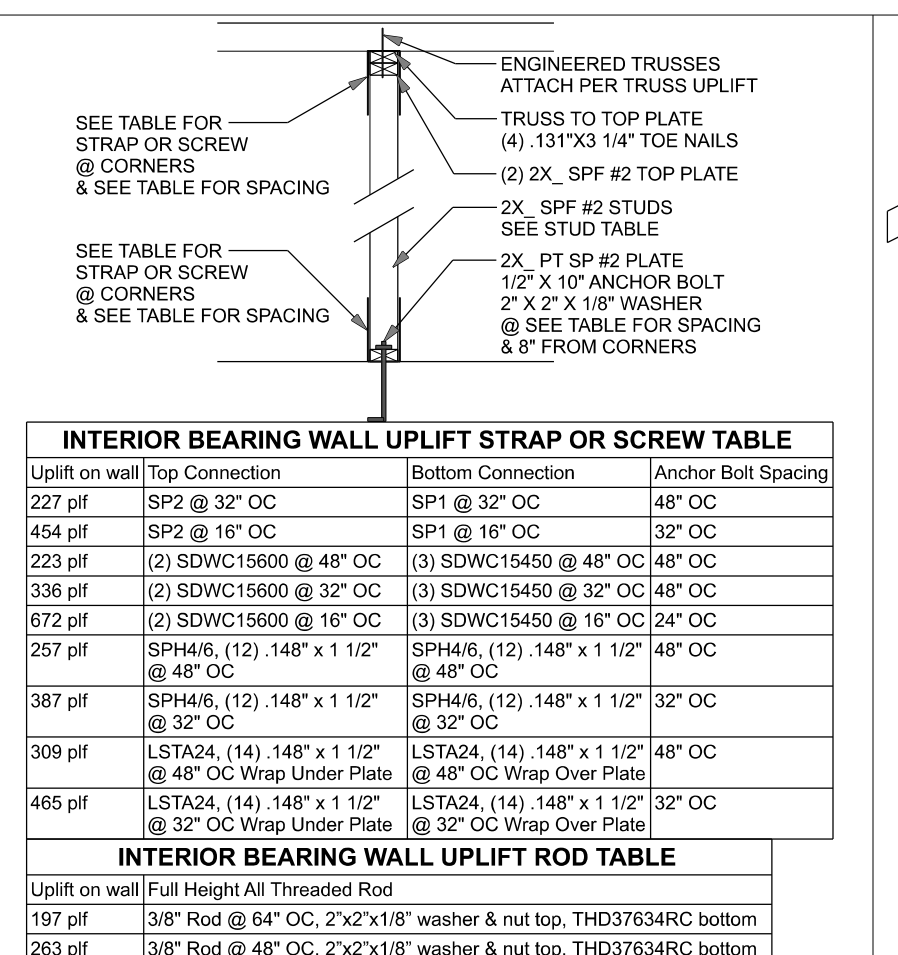
ROOF SHEATHING FASTENING TABLE (RAFTER / TRUSS SG = 0.49)

Wind Speed	Sheathing Thickness Plywood Or OSB	Required Nail	Nail spacing along panel edges	Nail spacing along intermediate supports in the panel field
120 mph Exp. B	7/16"	ASTM F1667 RRS-01 (2.38" x 0.131")	6" oc	12" oc
120 mph Exp. D	7/16"	ASTM F1667 RRS-01 (2.38" x 0.131")	6" oc	6" oc
130 mph Exp. B	7/16"	ASTM F1667 RRS-01 (2.38" x 0.131")	6" oc	6" oc
130 mph Exp. C	15/32"	ASTM F1667 RRS-01 (2.38" x 0.131")	6" oc	6" oc
130 mph Exp. D	19/32"	ASTM F1667 RRS-03 (2.12" x 0.131") or ASTM F1667 RRS-04 (3" x 0.120")	6" oc	6" oc
140 mph Exp. B	7/16"	ASTM F1667 RRS-01 (2.38" x 0.131")	6" oc	6" oc
140 mph Exp. C	19/32"	ASTM F1667 RRS-03 (2.12" x 0.131") or ASTM F1667 RRS-04 (3" x 0.120")	6" oc	6" oc
140 mph Exp. D	19/32"	ASTM F1667 RRS-03 (2.12" x 0.131")	6" oc	6" oc
150 mph Exp. C	19/32"	ASTM F1667 RRS-03 (2.12" x 0.131")	6" oc	6" oc
150 mph Exp. D	19/32"	ASTM F1667 RRS-03 (2.12" x 0.131")	4" oc	4" oc

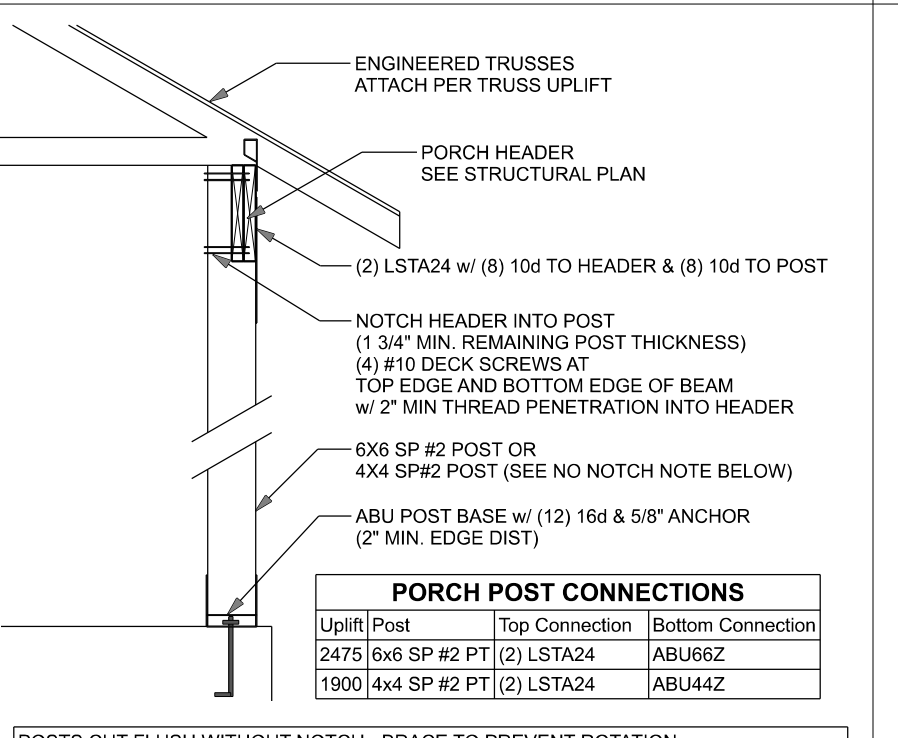
Note: For sheathing located a minimum of 4 feet from the perimeter edge of the roof, including 4 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field. Note: This table specifies the code minimum thickness of roof sheathing. The thickness of the sheathing may need to be increased based in the type of roofing material being used. See manufacturer Florida product approval.



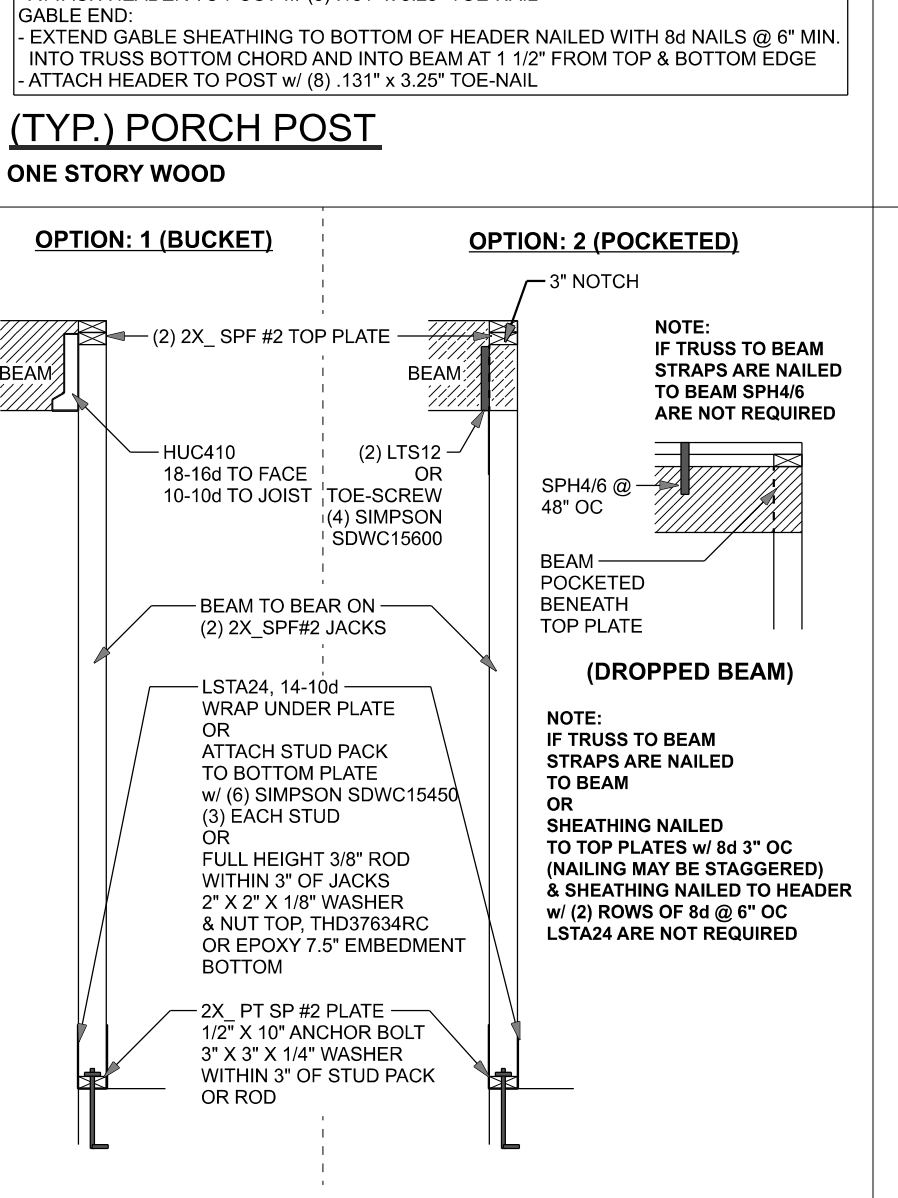
SHEATHING FOR UPLIFT ATTACHMENT DETAILS
ONE STORY WOOD FRAME



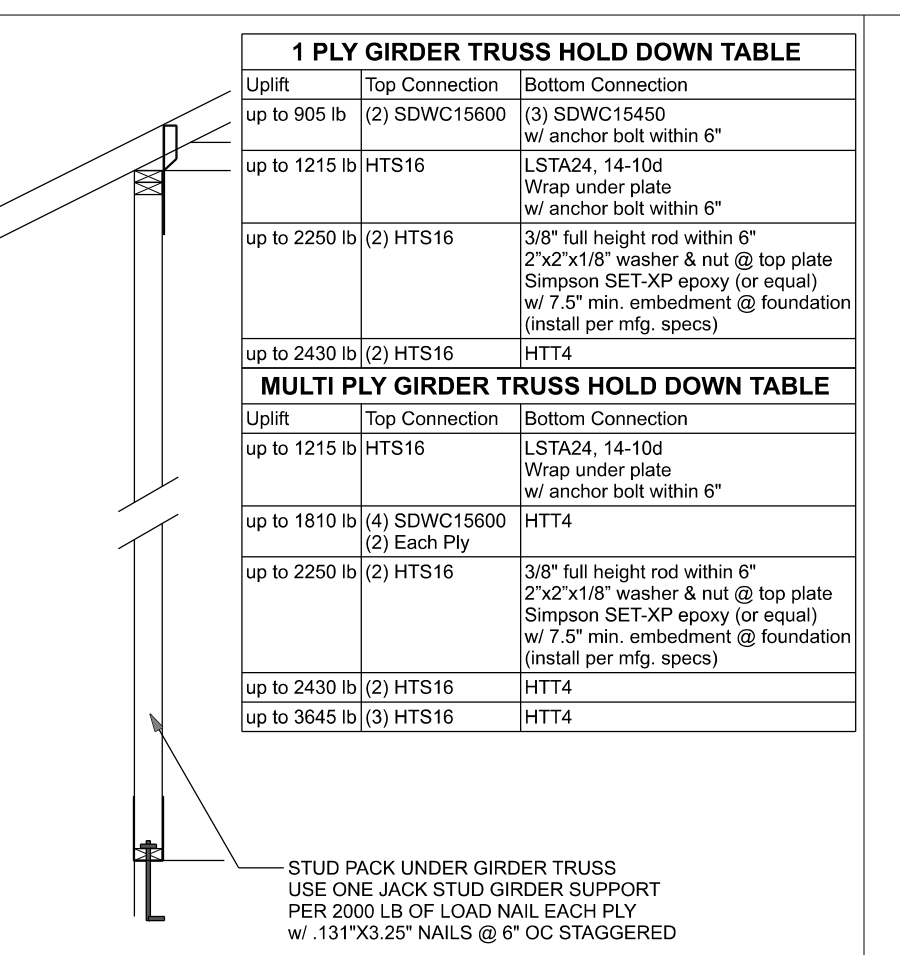
(TYP.) INTERIOR BEARING WALL
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



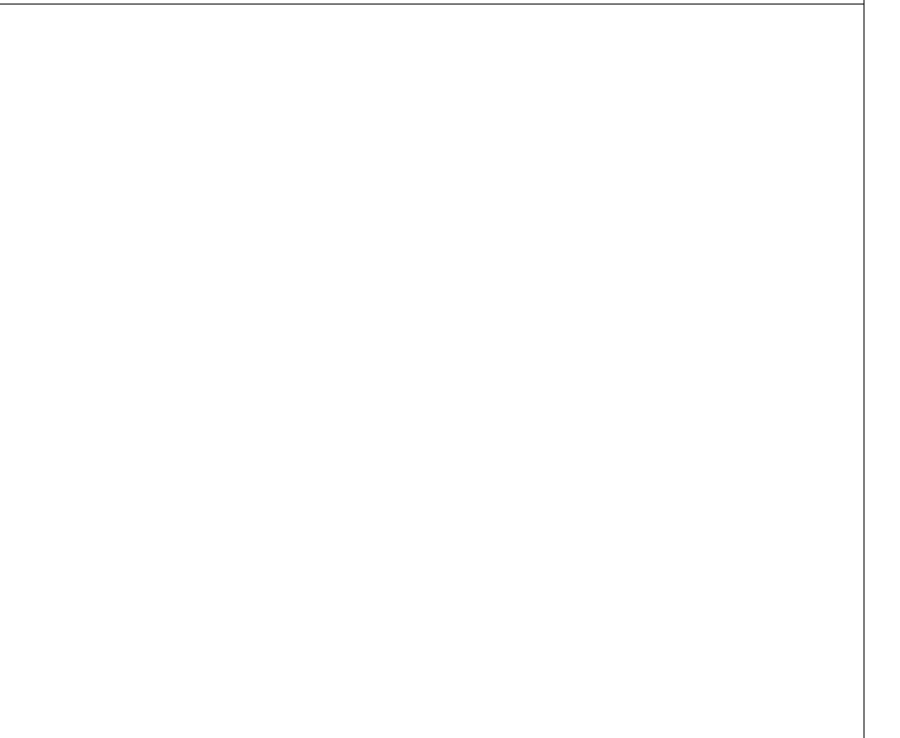
(TYP.) PORCH POST
ONE STORY WOOD



(TYP.) BEAM TO WALL
WOOD FRAME w/ STRAPS & ANCHORS



(TYP.) GIRDER TRUSS HOLD DOWN DETAIL
WOOD FRAME w/ STRAPS & ANCHORS



EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS:

THIS STUD HEIGHT TABLE IS PER 2012 WFCM, TABLE 3.20B5, EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS FOR WALLS WITH OSB EXTERIOR AND 12" GYI INTERIOR, RESISTING INTERIOR ZONE WINDLOADS, 130 MPH, EXPOSURE C, STUD DEFLECTION LIMIT H/240 (NOT OK FOR BRITTLE FINISH). STUD SPACINGS SHALL BE MULTIPLIED BY 0.8 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. (END ZONE EXAMPLE 16" O.C. x 0.8 = 12.8" O.C.)

Stud Height	10'-1" STUD HEIGHT	11'-2" STUD HEIGHT	15'-2" STUD HEIGHT	17'-3" STUD HEIGHT
(1) 2x4 @ 16" OC	TO 10'-1" STUD HEIGHT	TO 11'-2" STUD HEIGHT	TO 15'-2" STUD HEIGHT	TO 17'-3" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 10'-1" STUD HEIGHT	TO 11'-2" STUD HEIGHT	TO 15'-2" STUD HEIGHT	TO 17'-3" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 10'-1" STUD HEIGHT	TO 11'-2" STUD HEIGHT	TO 15'-2" STUD HEIGHT	TO 17'-3" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 10'-1" STUD HEIGHT	TO 11'-2" STUD HEIGHT	TO 15'-2" STUD HEIGHT	TO 17'-3" STUD HEIGHT

GRADE & SPECIES TABLE

Grade	Species	Fb	E
2x8	SP #2	925	1.4
2x10	SP #2	800	1.4
2x12	SP #2	750	1.4
GLB	24F-V3 SP	2600	1.9
LVL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	2950	2.0
PSL	PARALAM	2900	2.0

CONNECTOR TABLE

Uplift	Top Connection	Bottom Connection	To Truss/Rafter
up to 905 lb	(2) SDWC15600	(3) SDWC15450 w/anchor bolt within 6"	-
up to 1215 lb	HTS16	LSTA24, 14-10d wrap under plate w/anchor bolt within 6"	4-131"x1 1/2"
up to 2250 lb	(2) HTS16	3/8" full height rod within 6" 2"x2"x18" washer & nut @ top plate Simpson SET-XP epoxy @ foundation (install per mfg. specs)	5-131"x1 1/2"
up to 2430 lb	(2) HTS16	HTT4	6-148"x1 1/2"
up to 1215 lb	HTS16	LSTA24, 14-10d wrap under plate w/anchor bolt within 6"	4-148"x3"
up to 1810 lb	(2) SDWC15600 @ Each Ply	HTT4	6-148"x3"
up to 2250 lb	(2) HTS16	3/8" full height rod within 6" 2"x2"x18" washer & nut @ top plate Simpson SET-XP epoxy (or equal) w/ 7.5" min. embedment @ foundation (install per mfg. specs)	6-148"x1 1/2"
up to 2430 lb	(2) HTS16	HTT4	6-148"x1 1/2"
up to 3645 lb	(2) HTS16	HTT4	6-148"x1 1/2"

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT AND PERMANENT BRACING DETAILS. TRUSS-TO-TRUSS CONNECTIONS AND UPLIFT AND REACTION LOADS FOR ALL BRACING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED AND SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO VERIFY THE TRUSS DESIGNER'S FULLY SATISFIED WITH THE UPLIFT AND REACTION LOADS AND TO VERIFY THE CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP-2X6 RAFTERS WITH MIN. UPLIFT CONNECTION 415LB EACH END, 2X6 RAFTERS 700 LB EACH END.

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN. FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1500 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE).

CONCRETE: MINIMUM COMPRESSION STRENGTH OF CONCRETE AT 28 DAYS, F_c = 2500 PSI. WELDED WIRE REINFORCED SLAB: 8" x 6" W/ 4" x W/ 4", F_y = 80ksi, WELDED WIRE REINFORCEMENT FABRIC: W/M (CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3').

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT: FIBER LENGTH 12 TO 18 INCHES, DOSAGE AMOUNTS FROM 0.175 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM 1116. SUPPLIER TO PROVIDE ASTM 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL.

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT W/M OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND ENGINEER APPROVAL. THE CONTROL JOINTS WILL NOT INTERFERE TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A615, GRADE 40, DEFORMED BARS, F_y = 40 KSI. ALL LAP SPACES 40" DB (25" FOR 5# BARS); UNLO. ALL REINFORCEMENT SHALL BE DETAIL AND PLACED IN ACCORDANCE WITH ACI 318-16, UNLO.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL. DIAPHRAGMS: SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, UNDER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, UNDER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED.

ANCHOR BOLTS: A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NOT LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 12" IN GROUVED CMU.

BUILDER'S RESPONSIBILITY:

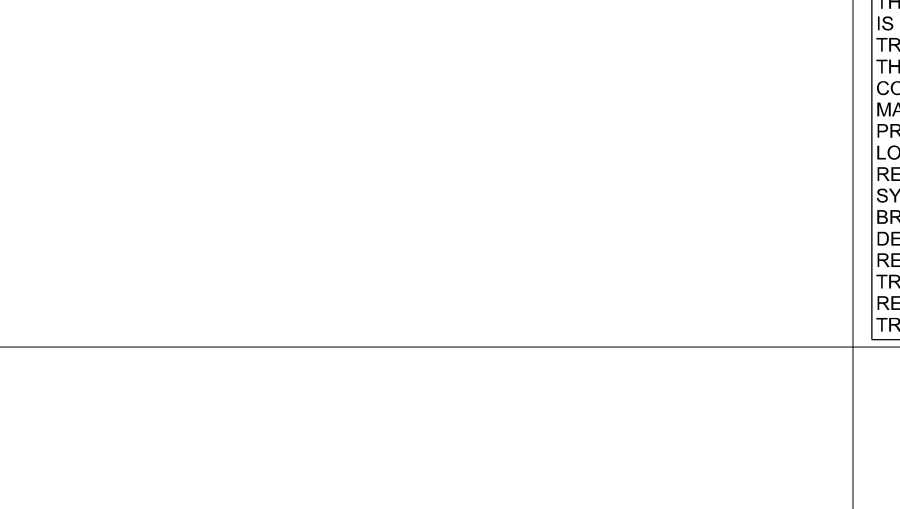
THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFIED NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK. CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE. PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FIBC REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES. PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION, IF YOU BELIEVE THE PLAN OMTS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY. VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

ROOF SYSTEM DESIGN:

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR, IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FIBC REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF SYSTEM BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

DESIGN CRITERIA & LOADS:

Building Code	8TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2023)
Code For Design Loads	ASCE 7-22
WINDLOADS	
BASIC WIND SPEED (ASCE 7-22, 3S GUST)	130 MPH
WIND EXPOSURE (BUILDER MUST FIELD VERIFY)	C
TOPOGRAPHIC FACTOR (BUILDER MUST FIELD VERIFY)	1
RISK CATEGORY	II
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	0.18
ROOF ANGLE	7-45 DEGREES
MEAN ROOF HEIGHT	30 FT
C&C DESIGN PRESSURES SEE TABLE	
FLOOR LOADING	
FLAT OR < 4:12	20 PSF LIVE LOAD
4:12 TO < 12:12	16 PSF LIVE LOAD
12:12 & GREATER	12 PSF LIVE LOAD
SOIL BEARING CAPACITY 1500 PSF	
FLOOD ZONE	THIS BUILDING IS NOT IN THE FLOOD ZONE



(TYP.) GARAGE DOOR BUCK INSTALLATION
WOOD FRAME

2X6 SP#2 GARAGE DOOR BUCK ATTACHMENT

ATTACH GARAGE DOOR BUCK TO STUD PACK AT EACH SIDE OF DOOR OPENING WITH 3/8"x4" LAG SCREWS w/ 1" WASHER. LAG SCREWS DO NOT TRANSFER LOAD. CENTER LAG SCREWS ON STAGGER 18d NAILS OR (2) ROWS OF 131X134 GN PER TABLE BELOW.

Door Width	3/8"x4" LAG	18d STAGGER	(2) ROWS OF 131X134 NAILS
8' - 10'	24" OC	5" OC	5" OC
11' - 15'	18" OC	4" OC	4" OC
16' - 18'	16" OC	3" OC	3" OC

COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)

Effective Wind Area (F _{T2})	Zone 4 Interior	Zone 5 End 4' From All Outside Corners
0 - 20	+25.6(Vasd) -27.8(Vasd)	+25.6(Vasd) -34.2(Vasd)
0 - 20	+42.6(Vult) -46.2(Vult)	+42.6(Vult) -57.0(Vult)

GARAGE DOOR DESIGN PRESSURES 130 MPH (EXP C)

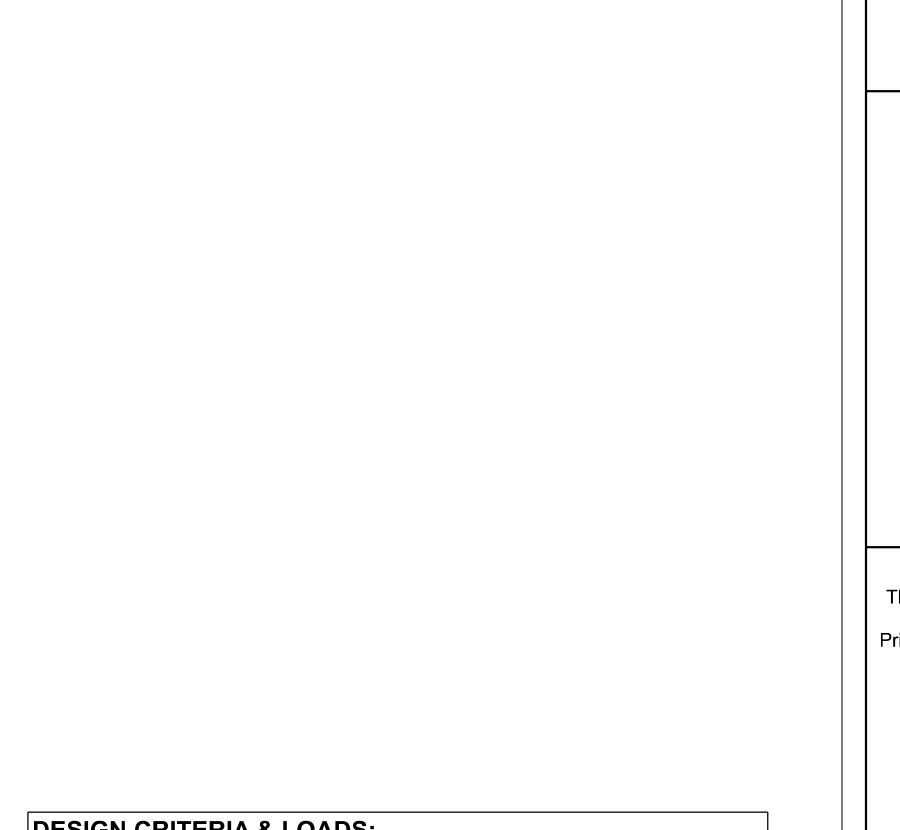
Garage Door	Pressure
9x7 GARAGE DOOR	+22.6(Vasd) -25.5(Vasd)
16x7 GARAGE DOOR	+21.7(Vasd) -24.1(Vasd)

COMPLEMENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)

Effective Wind Area (F _{T2})	Zone 4 Interior	Zone 5 End 4' From All Outside Corners
0 - 20	+25.6(Vasd) -27.8(Vasd)	+25.6(Vasd) -34.2(Vasd)
0 - 20	+42.6(Vult) -46.2(Vult)	+42.6(Vult) -57.0(Vult)

DESIGN CRITERIA & LOADS:

Building Code	8TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2023)
Code For Design Loads	ASCE 7-22
WINDLOADS	
BASIC WIND SPEED (ASCE 7-22, 3S GUST)	130 MPH
WIND EXPOSURE (BUILDER MUST FIELD VERIFY)	C
TOPOGRAPHIC FACTOR (BUILDER MUST FIELD VERIFY)	1
RISK CATEGORY	II
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	0.18
ROOF ANGLE	7-45 DEGREES
MEAN ROOF HEIGHT	30 FT
C&C DESIGN PRESSURES SEE TABLE	
FLOOR LOADING	
FLAT OR < 4:12	20 PSF LIVE LOAD
4:12 TO < 12:12	16 PSF LIVE LOAD
12:12 & GREATER	12 PSF LIVE LOAD
SOIL BEARING CAPACITY 1500 PSF	
FLOOD ZONE	THIS BUILDING IS NOT IN THE FLOOD ZONE



(TYP.) WALL CONNECTIONS
ONE STORY WOOD FRAME

SILL PLATE SPANS FOR 10'-0" WALL HEIGHT

Design Wind Speed	(1) 2x4	(2) 2x4	(1) 2x6	(2) 2x6
130 MPH EXP C	5'-2"	7'-9"	7'-7"	11'-3"

FOR OTHER WALL HEADERS (R/S) SILL SPAN SHALL BE DIVIDED BY (R/S)

(TYP.) CORNER FRAMING
WOOD FRAME

Bryan Zecher Homes, Inc.

JUDY MCHUGH

PROJECT ADDRESS:
5160 GOLFVIEW BLVD
COLUMBIA COUNTY, FL
PARCEL: 02-4S-15-00327-000 (1038)

FL PE 53915

This item has been digitally signed and sealed by Mark Disoway P.E. in digital signature data. 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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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 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.

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

Mark Disoway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disowaydesign@gmail.com

JOB NUMBER:
250938

S-1
OF 3 SHEETS

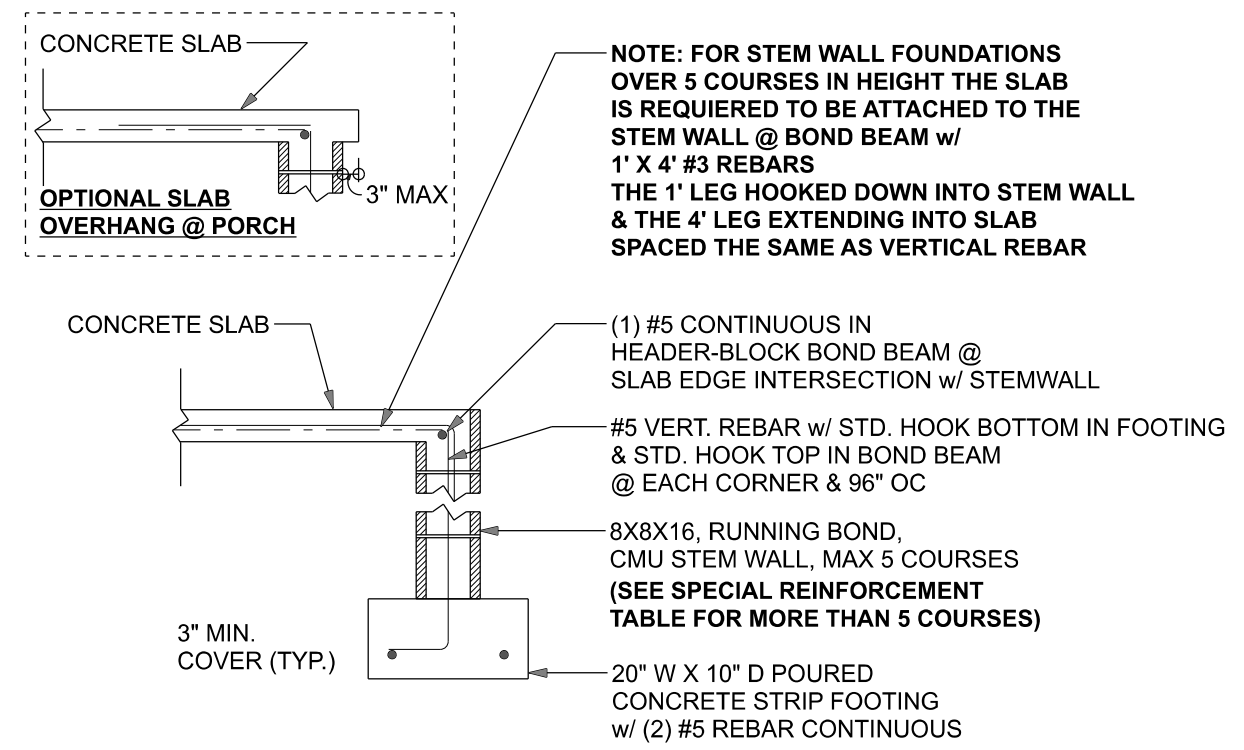
TALL STEM WALL TABLE:
The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall).

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96

THIS FOUNDATION DESIGN IS FOR RELATIVELY FLAT GRADE ONLY. IF FOUNDATION IS ON A STEEP SLOPE THAT EXCEEDS 1' IN 12', CONTACT ENGINEER BEFORE CONSTRUCTION FOR ADDITIONAL ENGINEERING

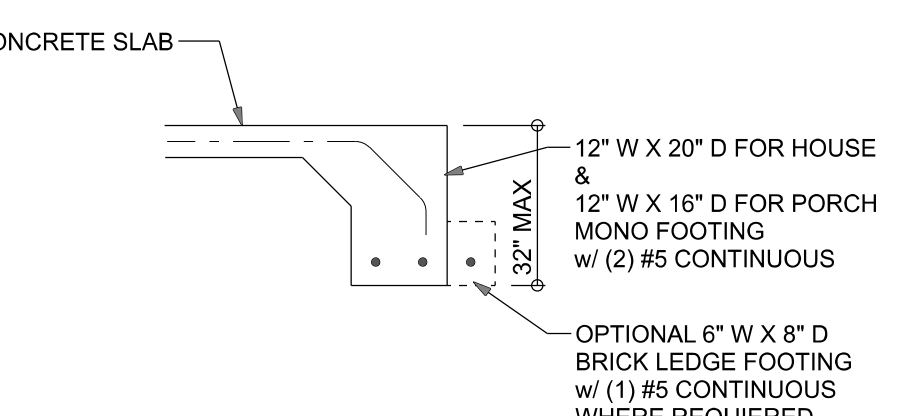
MASONRY NOTE:
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

ACI/ASCE 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"x16" running bond and 12"x12" or 16"x16" column block
2.3	Clay brick standard ASTM C 216-02, Grade SW, Type FBS, 5.25x2.75x11.25"
2.4	Reinforcing bars, #3 - #11 ASTM 615, Grade 40, $F_y = 40$ 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 A153, Class B2, 1.50 oz/ft ² or 304SS
2.4F	Coating for corrosion protection Joint reinforcement in walls exposed to moisture or wet feet, anchors, sheet metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/ft ² 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.

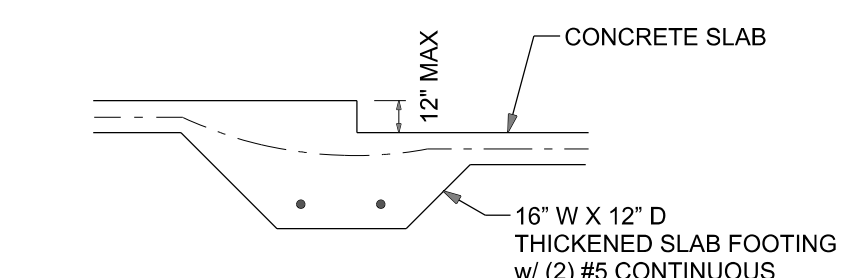


STEM WALL FOOTING (TYPICAL @ HOUSE)
SCALE: 1/2" = 1'-0"

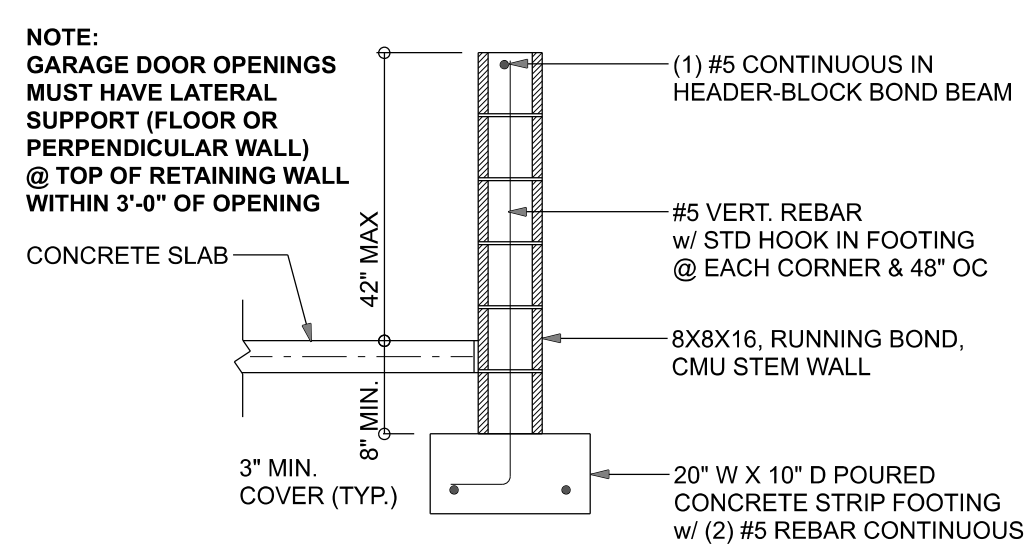
BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL



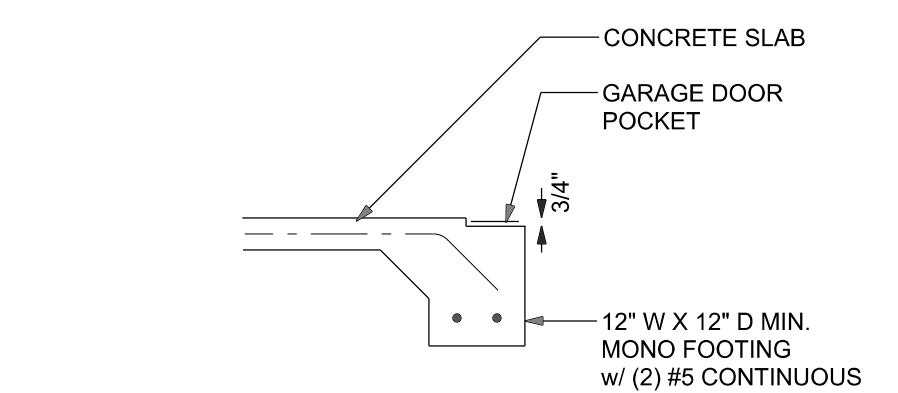
MONOLITHIC FOOTING (TYPICAL @ PORCH)
SCALE: 1/2" = 1'-0"



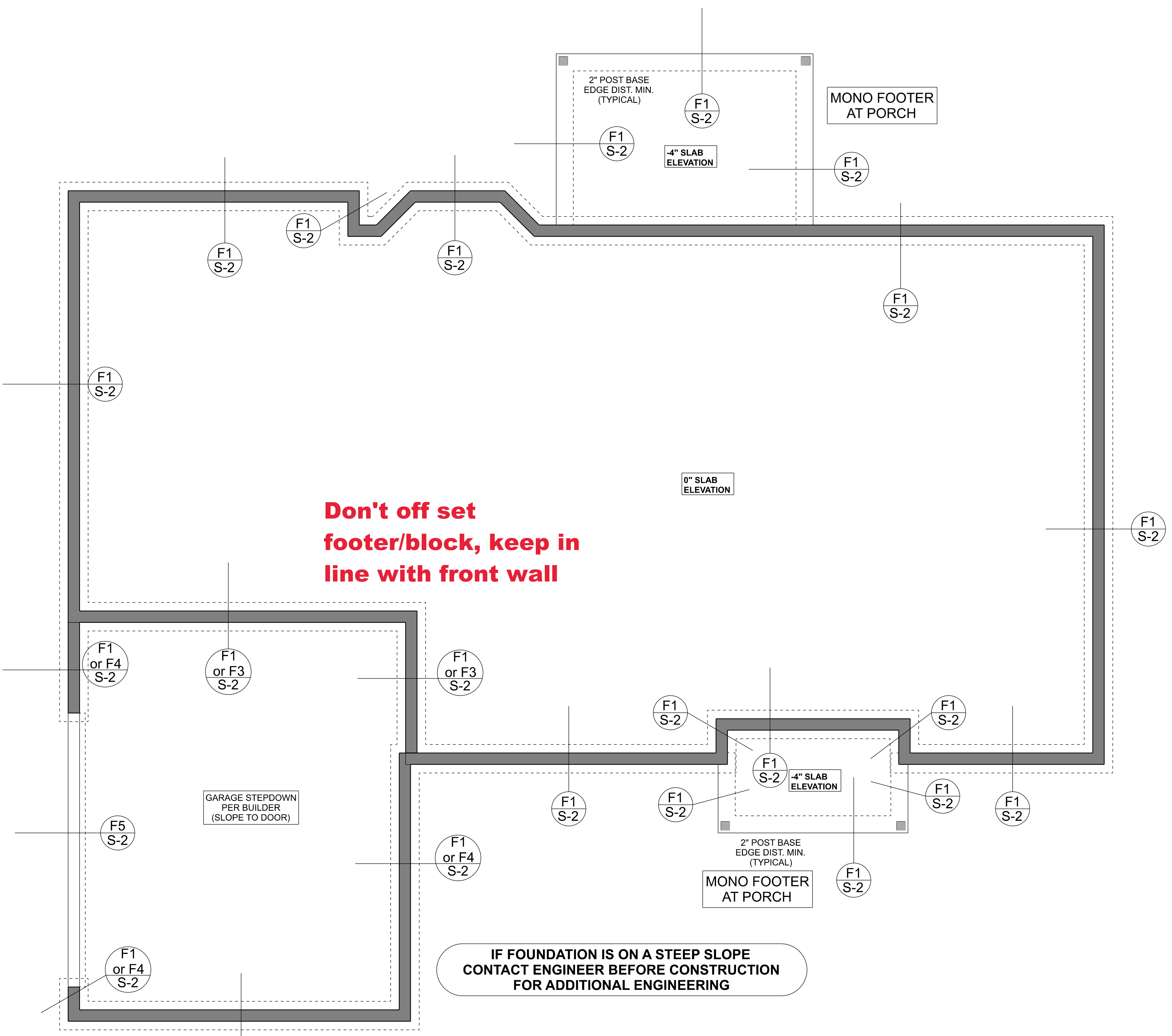
INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



OPTIONAL STEM WALL CURB FOOTING
SCALE: 1/2" = 1'-0"



GARAGE DOOR POCKET FOOTING
SCALE: 1/2" = 1'-0"



Don't off set footer/block, keep in line with front wall

IF FOUNDATION IS ON A STEEP SLOPE CONTACT ENGINEER BEFORE CONSTRUCTION FOR ADDITIONAL ENGINEERING

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

FOUNDATION NOTES

- 1) DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
- 2) CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
- 3) THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED w/ #8-14" x 4" WELDED WIRE MESH PLACED ON CHAIRS @ 110" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITES-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODES-APPROVED, TERMITES-TREATMENT METHOD CAN BE USED INSTEAD)

Bryan Zecher Homes, Inc.
JUDY MCHUGH
PROJECT ADDRESS:
SUNGOLDVILLE
COLUMBIA COUNTY, FL
PARCEL: 02-45-15-00327-000 (1038)

FL PE 53915
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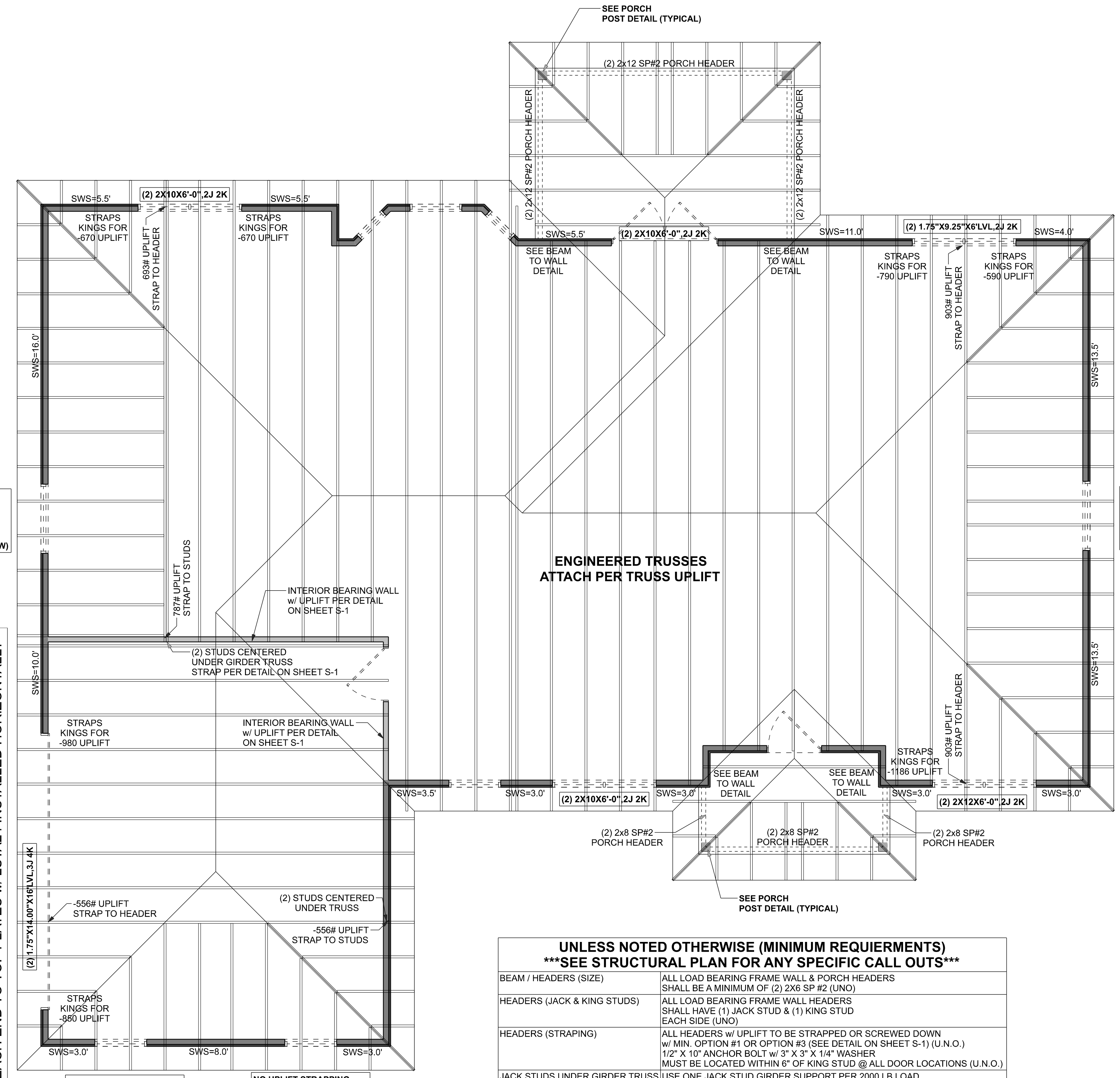
CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.

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

Mark Disosway P.E.
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386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
250938

S-2
OF 3 SHEETS



NO UPLIFT STRAPPING REQUIRED THIS HEADER (SHEATHING MUST BE NAILED TO KING STUDS w/ 8d 3" OC MIN. (8) NAILS BELOW WINDOW)

NO UPLIFT STRAPPING REQUIRED THIS HEADER (SHEATHING MUST BE NAILED TO KING STUDS w/ 8d 3" OC MIN. (8) NAILS BELOW WINDOW)

*** WARNING ***
 BUILDER TO VERIFY THAT WITH STEPDOWN THE 14" HEADER WILL FIT ABOVE GARAGE DOOR SET TO OF HEADER FLUSH WITH TOP OF TOP PLATES AND STRAP EACH END TO TOP PLATES w/ LSTA24 INSTALLED HORIZONTALLY

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

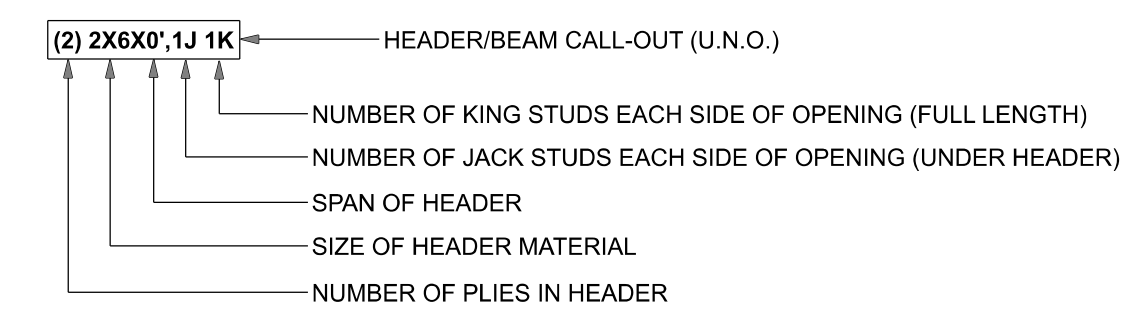
STRUCTURAL PLAN NOTES

- SN-1 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-2 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

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

BEAM / HEADERS (SIZE)	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2x8 SP #2 (UNO)
HEADERS (JACK & KING STUDS)	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (UNO)
HEADERS (STRAPPING)	ALL HEADERS w/ UPLIFT TO BE STRAPPED OR SCREWED DOWN w/ MIN. OPTION #1 OR OPTION #3 (SEE DETAIL ON SHEET S-1) (U.N.O.) 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

HEADER LEGEND



ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDUNAL
ACTUAL	20988 LBF	24156 LBF
REQUIRED	10843 LBF	10279 LBF

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. W B HOWLAND CO JOB #25-3021

Bryan Zecher Homes, Inc

JUDY MCHUGH

PROJECT ADDRESS:
 SW 100 AVENUE
 COLUMBIA COUNTY FL
 PARCEL: 02-4S-15-00327-000 (1038)

FL PE 53915
 This item has been digitally signed and sealed by Mark Disosway, P.E. for resolution. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

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S-3
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