



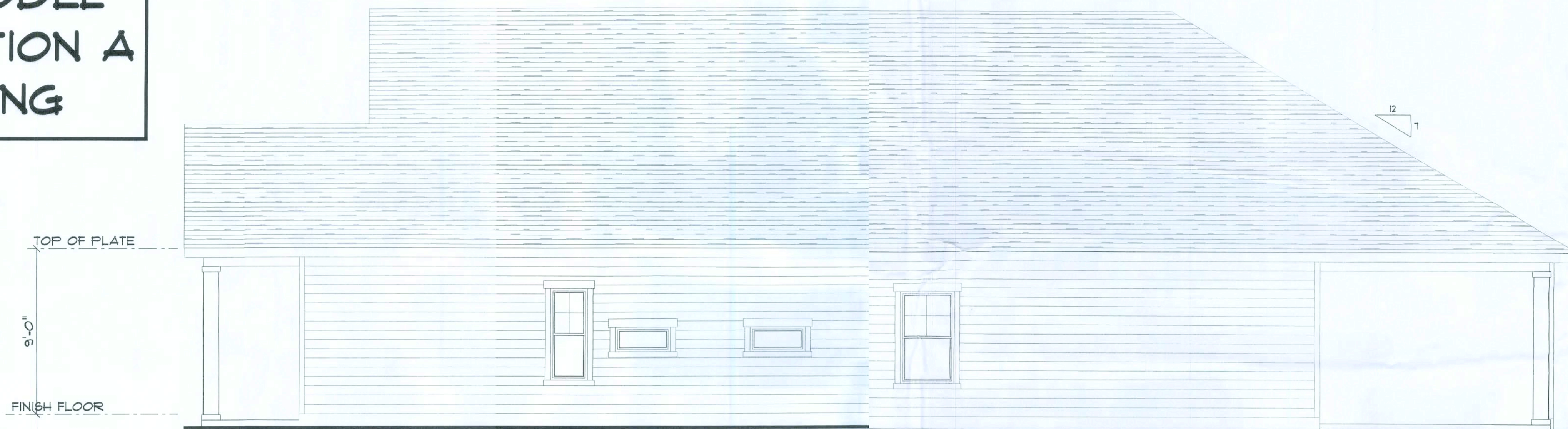
FRONT ELEVATION  
SCALE: 1/4" = 1'-0"

**ROOF VENTILATION:**  
R806.2 Minimum vent area.  
The minimum net free ventilating area shall be 1/150 of the area of the vented space.  
Exception: The minimum net free ventilating area shall be 1/300 of the vented space provided one or more of the following conditions are met:  
1. In Climate Zones 6, 7 and 8, a Class I or II vapor retarder is installed on the warm-to-winter side of the ceiling.  
2. At least 40 percent and not less than 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the attic or rafter space. Upper ventilators shall be located no more than 3 feet below the ridge or eave or cornice vents. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet below the ridge or highest point of the space shall be permitted.

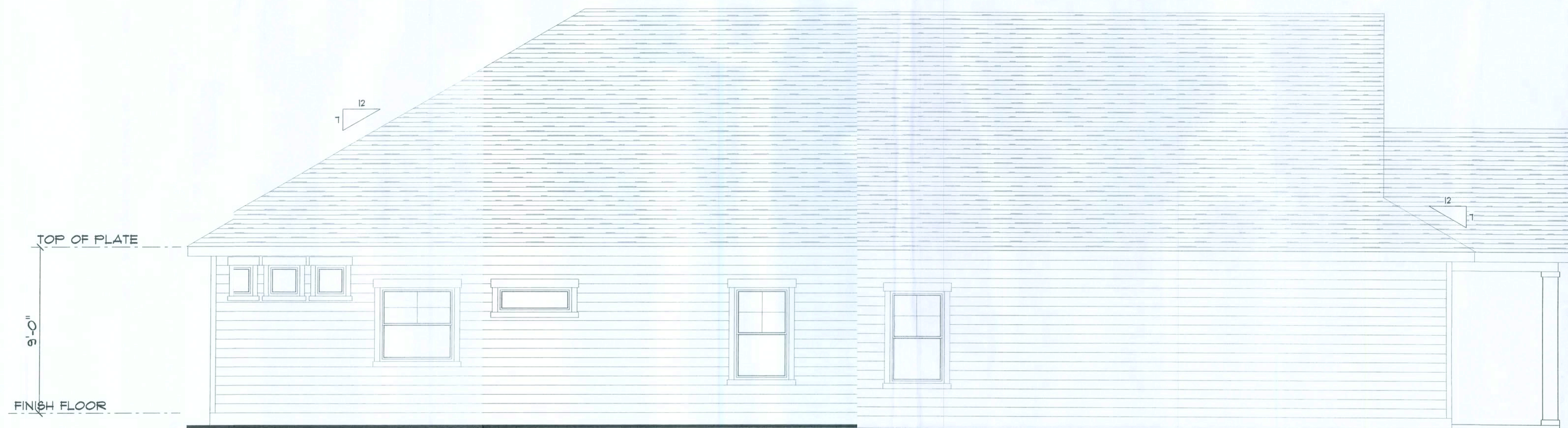


REAR ELEVATION  
SCALE: 1/4" = 1'-0"

1995 MODEL  
ELEVATION A  
9' CEILING



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



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

Aaron Simque Homes

1995 Model (Elevation A)  
Lot 55 The Preserves

PROJECT ADDRESS:  
Lot 55 The Preserves  
Lake City, FL

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

**COPYRIGHTS AND PROPERTY RIGHTS:**  
Mark Discoway, P.E. hereby expressly reserves 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 written permission and consent of Mark Discoway.

**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.

MARK DISCOWAY P.E. 53815



Friday, April 16, 2021

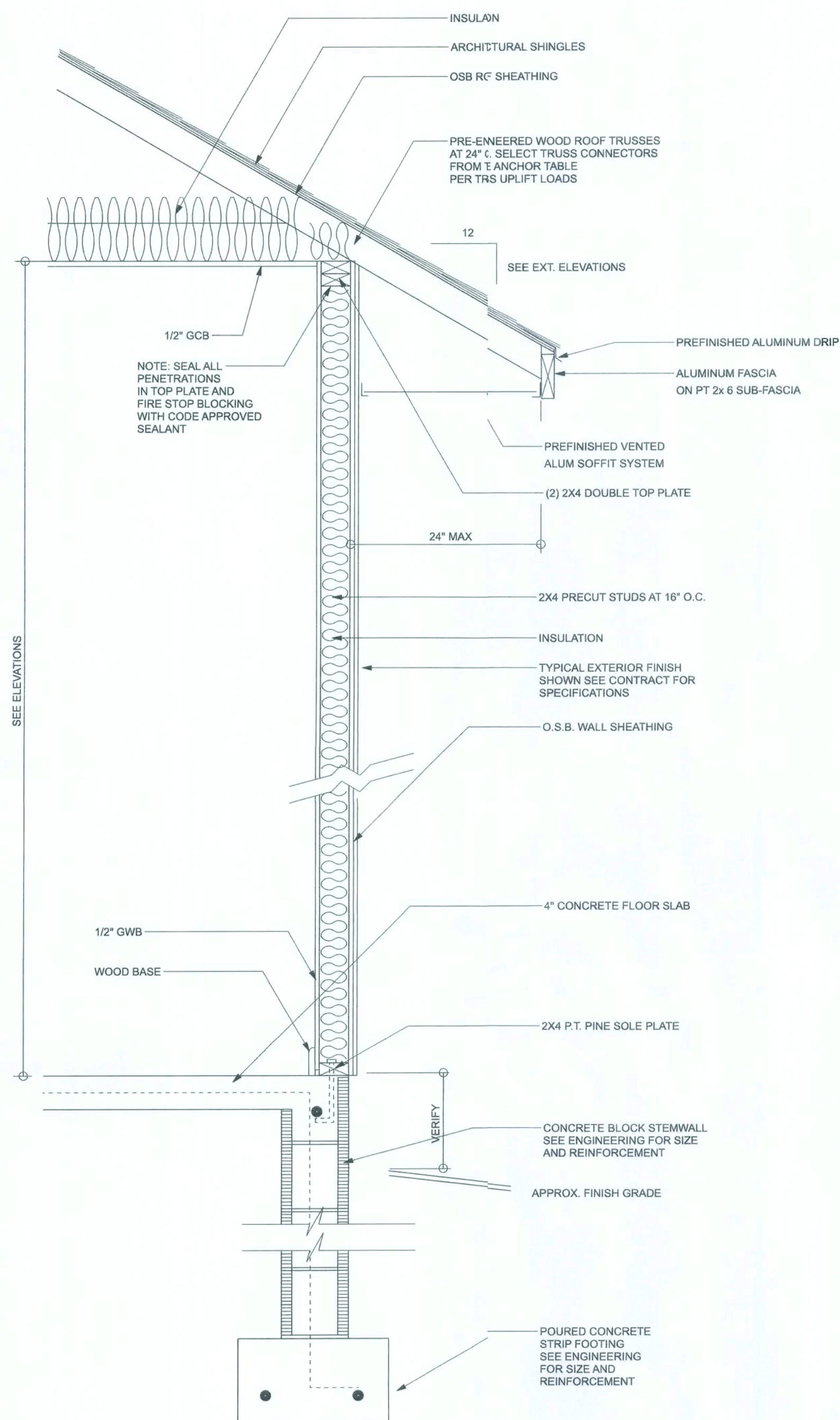
Mark Discoway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City, Florida 32025  
386.54.5419  
discowaydesign@gmail.com

JOB NUMBER:  
210558

1  
OF 6 SHEETS

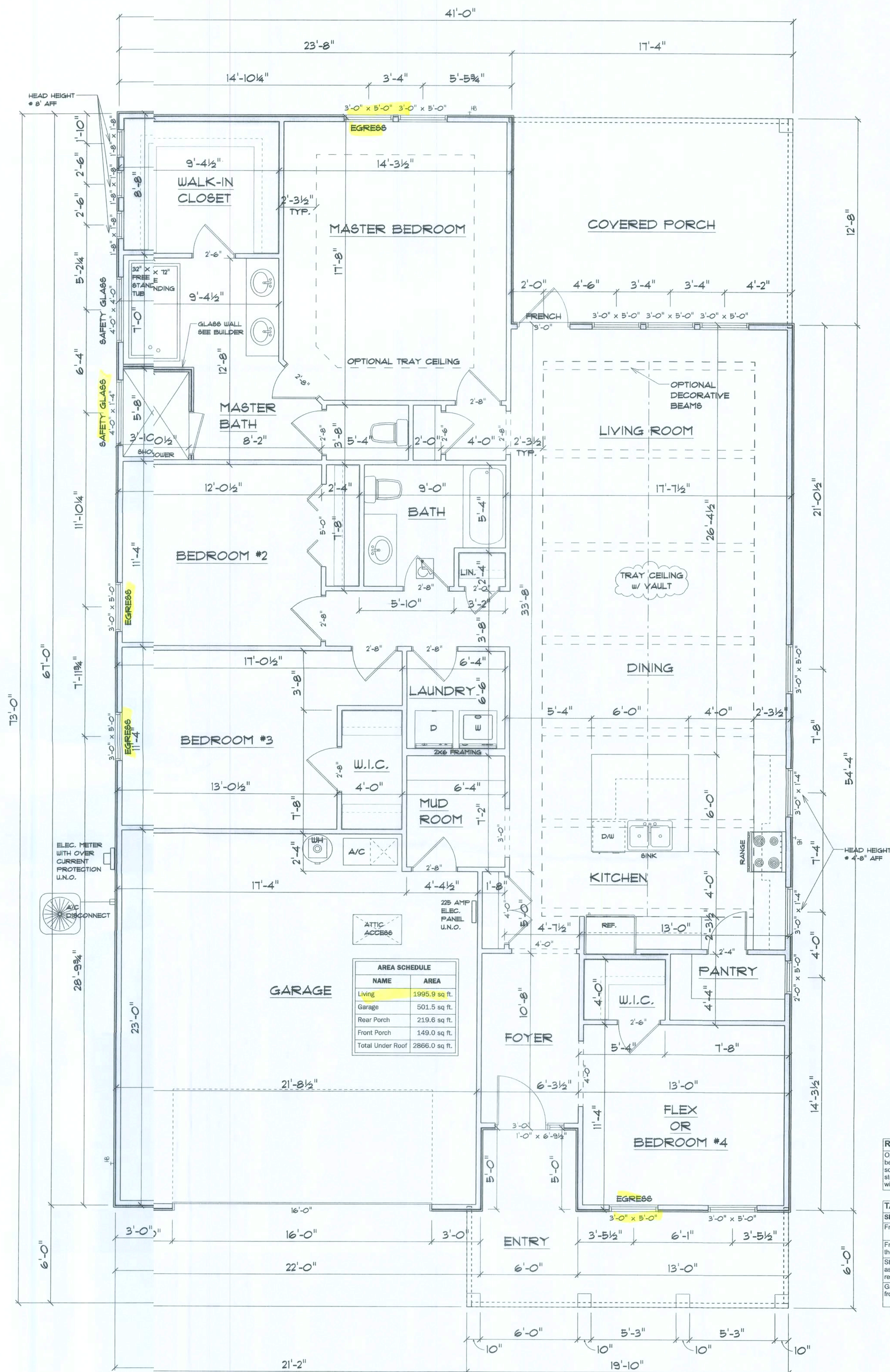






TYPICAL DESIGN WALL SECTION  
NON - STRUCTURAL DATA

SCALE: 1" = 1'-0"



FLOOR PLAN

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

ALL CEILING HEIGHTS TO BE 9'-0" UNLESS NOTED OTHERWISE

NAME	AREA
Living	1995.9 sq. ft.
Garage	501.5 sq. ft.
Rear Porch	219.6 sq. ft.
Front Porch	149.0 sq. ft.
Total Under Roof	2866.0 sq. ft.

**R302.5.1 Opening protection:**  
Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches in thickness, solid or honeycomb-core steel doors not less than 1 3/8 inches thick, or 20-minute fire-rated doors, equipped with a self-closing device.

SEPARATION	MATERIAL
From the residence and attics	Not less than 1/2-inch gypsum board or equivalent applied to the garage side
From all habitable rooms above the garage	Not less than 5/8-inch Type X gypsum board or equivalent
Structure(s) supporting floor/ceiling assemblies used for separation required by this section	Not less than 1/2-inch gypsum board or equivalent
Garages located less than 3 feet from a dwelling unit on the same lot	Not less than 1/2-inch gypsum board or equivalent applied to the interior side of exterior walls that are within this area

Aaron Simque Homes

1995 Model (Elevation A)  
Lot 25 The Preserves

PROJECT ADDRESS:  
Lot 25 The Preserves  
Lake City, FL

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

**COPYRIGHTS AND PROPERTY RIGHTS:**  
Mark Discoway, P.E. hereby expressly reserves its common law copyright and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without the express written permission and consent of Mark Discoway.

**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.

MARK DISCOWAY P.E. 53615



Mark Discoway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City, Florida 32025  
386.751.5419  
discowaydesign@gmail.com

JOB NUMBER:  
210558

OF 6 SHEETS



ELECTRICAL PLAN NOTES:	
E - 1	WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
E - 2	CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
E - 3	ALL INSTALLATIONS SHALL BE PER NATL. ELECTRIC CODE.
E - 4	ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
E - 5	TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
E - 6	ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ALL ELECTRICAL SERVICE AND CIRCUITS.
E - 7	ENTRY OF SERVICE ( UNDERGROUND OR OVERHEAD ) TO BE DETERMINED BY POWER COMPANY.
E - 8	ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
E - 9	ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION.
E - 10	A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.
E - 11	CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.
E - 12	ALL OUTLETS LOCATED IN RESIDENTIAL TO BE TAMPER-RESISTANT PER NEC.
E - 13	A MINIMUM OF 75% OF PERMANENTLY INSTALLED LAMPS OR LIGHTING FIXTURES SHALL BE HIGH EFFICACY 2014 EFC EC SEC. R404.1

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2X4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXHAUST FAN WITH LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	SMOKE DETECTOR
	WALL SWITCH
	3 WAY WALL SWITCH
	4 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPENER
	CARBON MONOXIDE ALARM

ELEC. METER WITH OVER CURRENT PROTECTION U.N.O.

A/C DISCONNECT

225 AMP ELEC. PANEL U.N.O.

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

Aaron Simque Homes

100s Model (Elevation A)  
Lot 55 The Preserves

PROJECT ADDRESS:  
Lot 55 The Preserves  
Lake City, FL

DIMENSIONS:  
Stated dimensions are approximate scaled dimensions. Refer all questions to Mark Dicosway, P.E. or resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:  
Mark Dicosway, P.E. hereby expressly reserves 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 written permission and consent of Mark Dicosway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to the 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.

MARK DICOSWAY, P.E. 63915



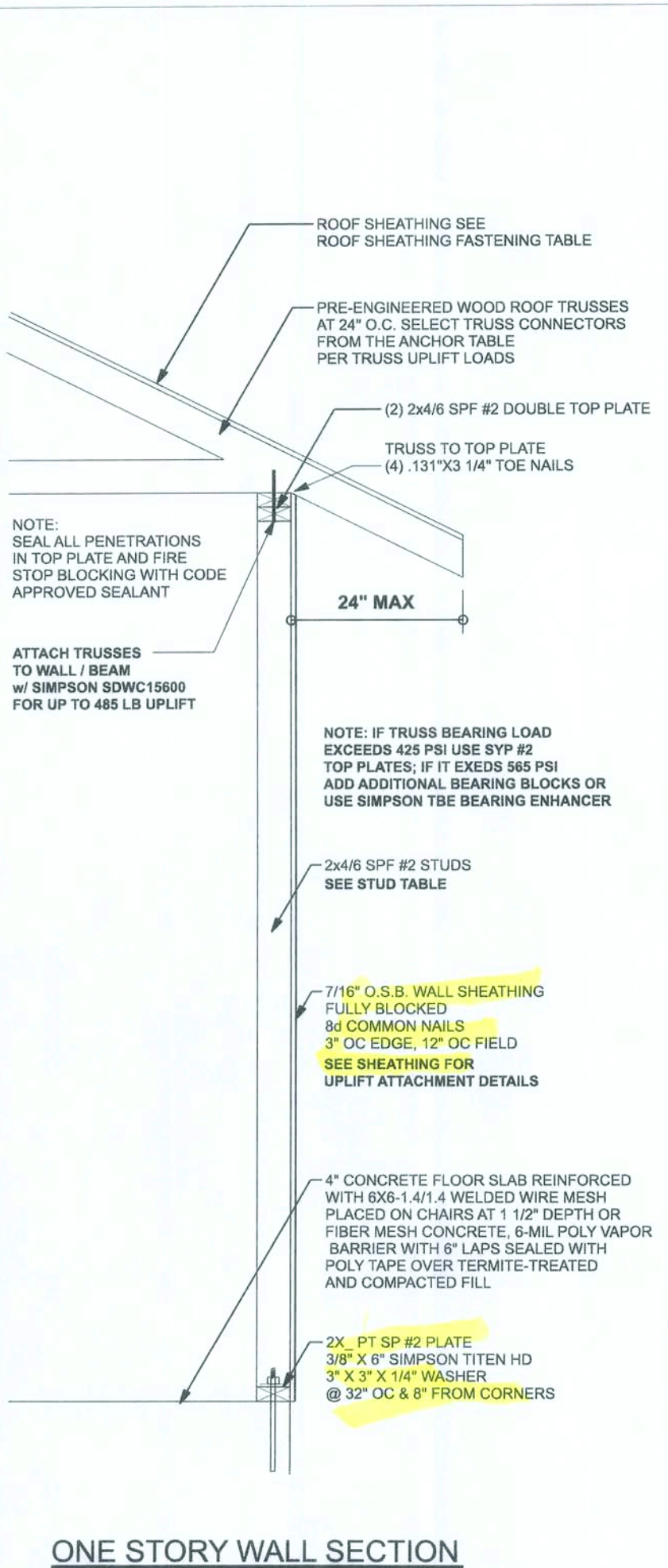
Friday, April 16, 2021

Mark Dicosway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City, Florida 32025  
386.54.5419  
dicoswaydesign@gmail.com

JOB NUMBER:  
210558

3  
OF 6 SHEETS



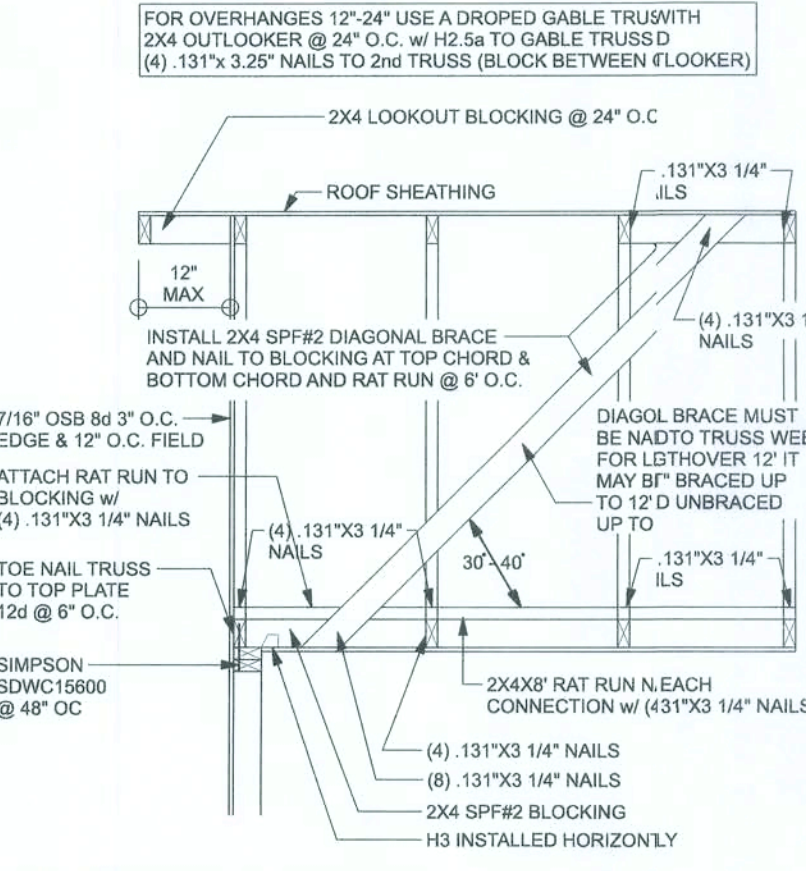


ONE STORY WALL SECTION  
SCALE: 3/4\"/>

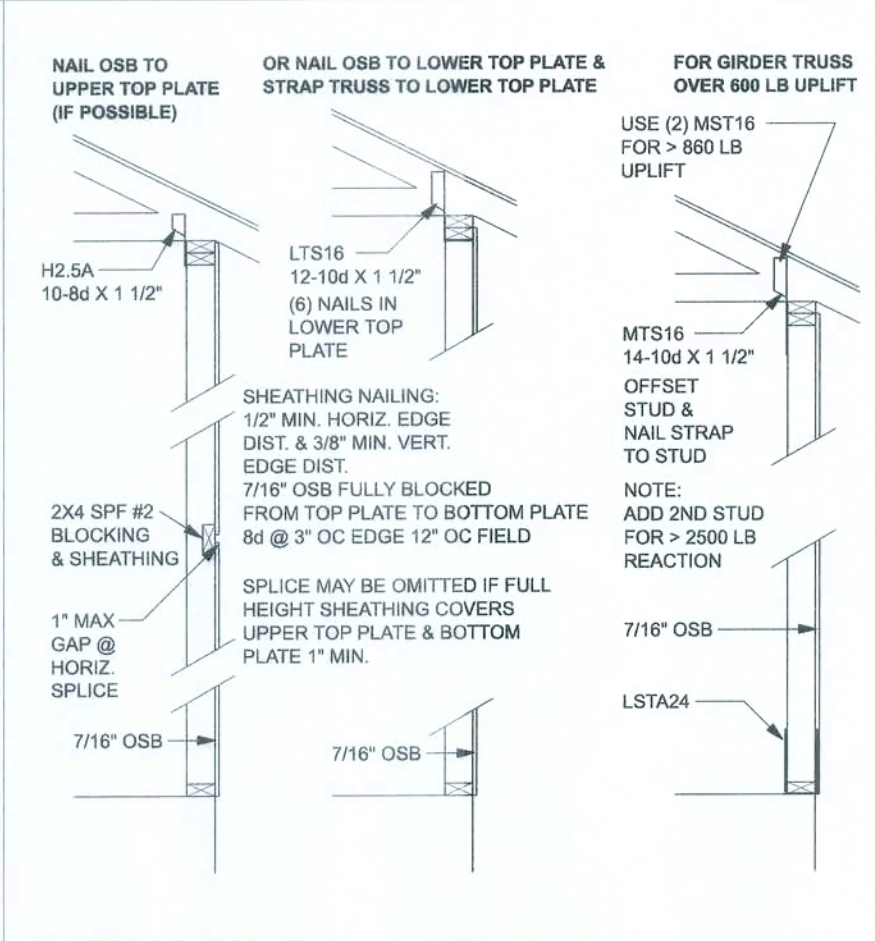
**ROOF SHEATHING FASTENING TABLE (RAFTER / TRIS SG = 0.49)**

Wind Speed	Sheathing Thickness Plywood Or OSB	Required Nail	Nail spacing along panel edge	Nail spacing in the panel
120 mph Exp. B	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.131")	6" oc	12"
120 mph Exp. C	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.131")	6" oc	6"
120 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6"
130 mph Exp. B	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.131")	6" oc	6"
130 mph Exp. C	15/32"	ASTM F1667 RRSR-01 (2 3/8" x 0.131")	6" oc	6"
130 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6"
140 mph Exp. B	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.131")	6" oc	6"
140 mph Exp. C	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6"
140 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6"
150 mph Exp. C	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6"
150 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	4" oc	4"

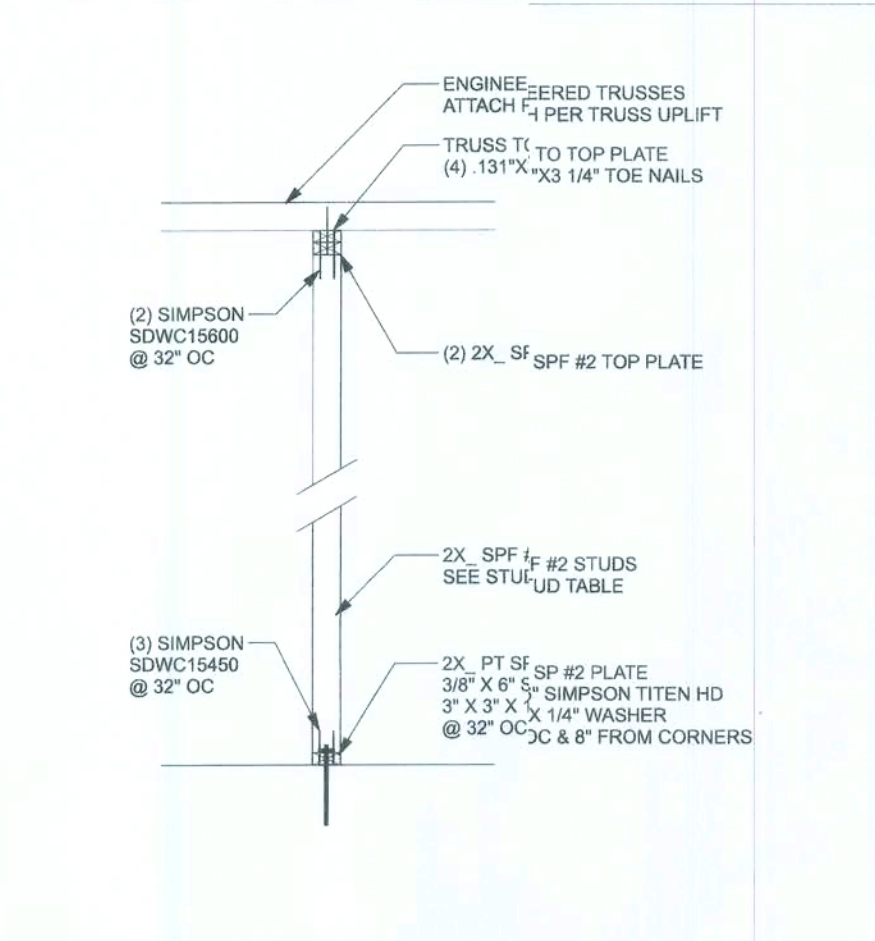
Note: For sheathing located a minimum of 4 feet from the perimeter edge of roof, including 4 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on or along panel edges and 6 inches on center along intermediate supports in the panel field. Note: Table specifies the code minimum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



(TYP.) GABLE BRACING DETAIL  
WOOD FRAME



SHEATHING FOR UPLIFT ATTACHMENT DETAILS  
ONE STORY WOOD FRAME



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

**CONNECTOR TABLE**

Uplift SP	Uplift SPF	Truss Connector	To Plate	To Truss/Rafter
615	485	SDWC15600	-	-
415	260	H3	4-8x61 1/2"	4-8x61 1/2"
575	495	H2.5A	5-8x61 1/2"	5-8x61 1/2"
1340	1015	H10A	9-10x1 1/2"	9-10x1 1/2"
720	620	LTS12-20	6-10x1 1/2"	6-10x1 1/2"
1000	860	MTS12-30	7-10x1 1/2"	7-10x1 1/2"
1450	1245	HTSS30-30	12-10x1 1/2"	12-10x1 1/2"
Uplift SP	Uplift SPF	Strap Ties	To One Member	To Other Member
1235	1235	LSTA21	8-10x1	8-10x1
1640	1455	MSTA24	9-10x1	9-10x1
1030	1030	CS20	7-10x1	7-10x1
Uplift SP	Uplift SPF	Stud Plate Ties	To Stud	To Plate
565	535	SP1	6-10x1	4-10x1
1065	605	SP2	6-10x1	6-10x1
771	771	LSTA24	10-10x1	wrap under or over plate
1235	1235	LSTA24	14-10x1	wrap under or over plate
Uplift SP	Uplift SPF	Holdsdowns @ Stems	To Stud / Post	Anchor
1825	1800	DTT22	8-SDS 1/4"x1 1/2"	12"x12" Titen HD
4235	3640	HTT4	18-16x2 1/2"	12"x12" Titen HD
Uplift SP	Uplift SPF	Holdsdowns @ Mono	To Stud / Post	Anchor
1825	1800	DTT22	8-SDS 1/4"x1 1/2"	12"x6" Titen HD
4235	3640	HTT4	18-16x2 1/2"	12"x12" Titen HD
Uplift SP	Uplift SPF	Post Bases @ Stems	To Post	Anchor
2200	2200	ABU44	12-16x1	5/8"x12" Drill & Epoxy
2300	2300	ABU44	12-16x1	5/8"x12" Drill & Epoxy
Uplift SP	Uplift SPF	Post Bases @ Mono	To Post	Anchor
2200	2200	ABU44	12-16x1	5/8"x7" Drill & Epoxy
2300	2300	ABU46	12-16x1	5/8"x7" Drill & Epoxy

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 1/2" GYP INTERIOR RESISTING INTERIOR ZONE WIND LOADS, 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	STUD HEIGHT
(1) 2x4 @ 16" OC	TO 10'-1" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 11'-2" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 17'-3" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 17'-3" STUD HEIGHT

**GRADE & SPECIES TABLE**

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

**GENERAL NOTES:**

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBOR TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY VERIFY THE TRUSS DESIGNER BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. SUBMITTER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN. UPLIFT CONNECTION 15LB EACH END, 2X8 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 COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, Fc = 2500 PSI.

WELDED WIRE REINFORCED SLAB: 6" x W1 x W1.4, FB = 89KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 7'

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT: FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. PLANS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 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 WMM OR REINFORCING STEEL. RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTORS APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A 615, GRADE 40, DEFORMED BARS, FY = 40 KSI, ALL LAP SPACED 40" DB (2" FOR 95 BARS). UNO. ALL REINFORCEMENT SHALL BE DETAILD AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

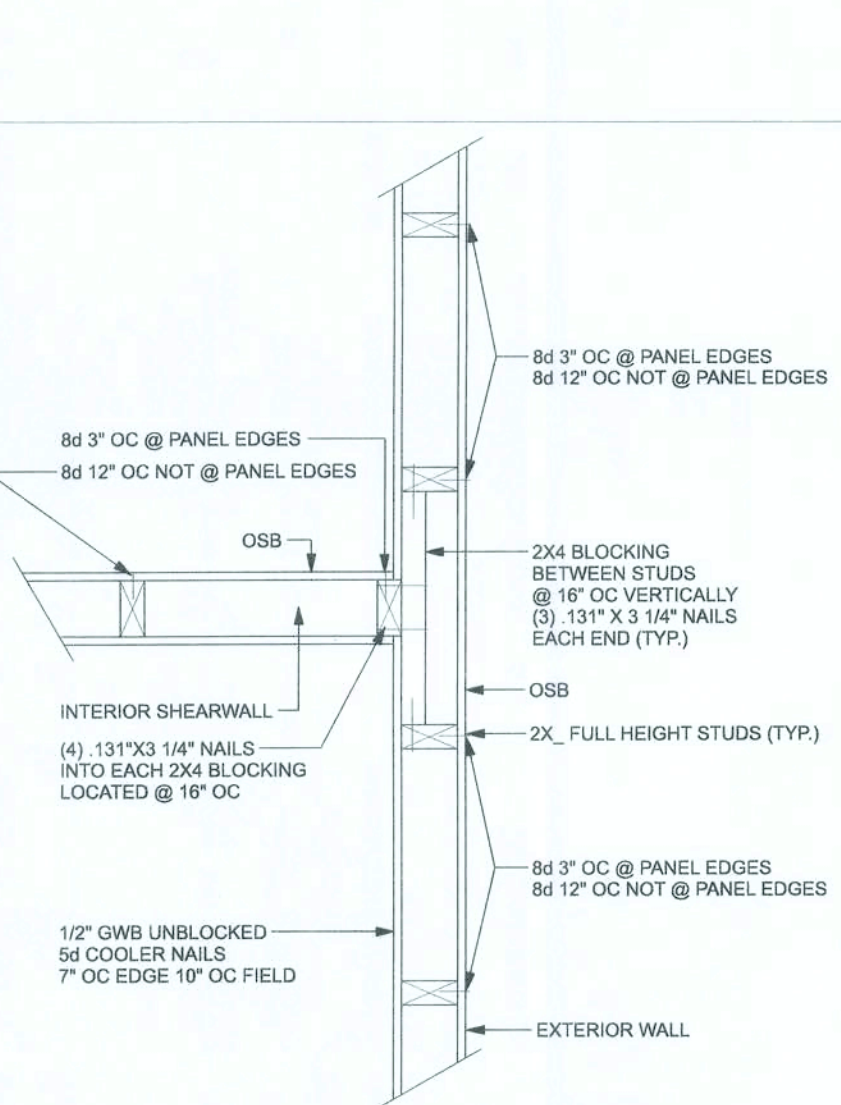
ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; ROOF SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

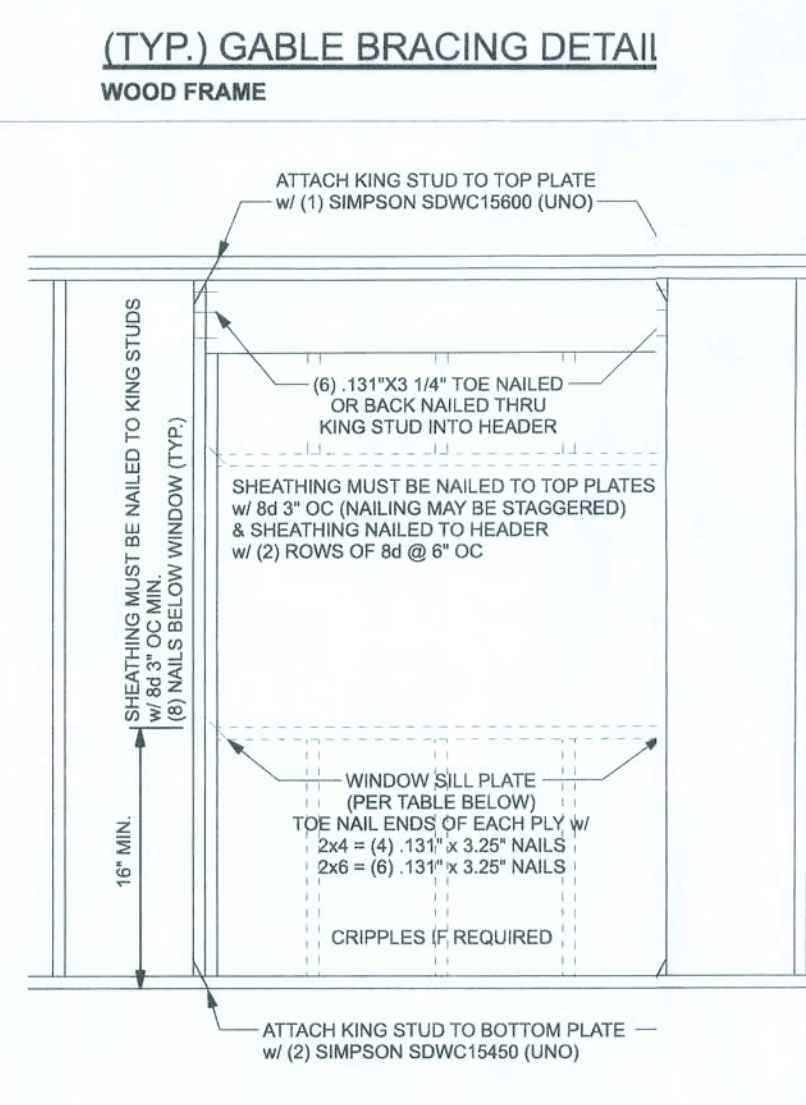
ANCHOR BOLTS: A 30" ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 15" IN GROUTED CMU.

**BUILDER'S RESPONSIBILITY:**  
THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY 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 FBOR REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.  
PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU BELIEVE THE PLAN OMMITS 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.

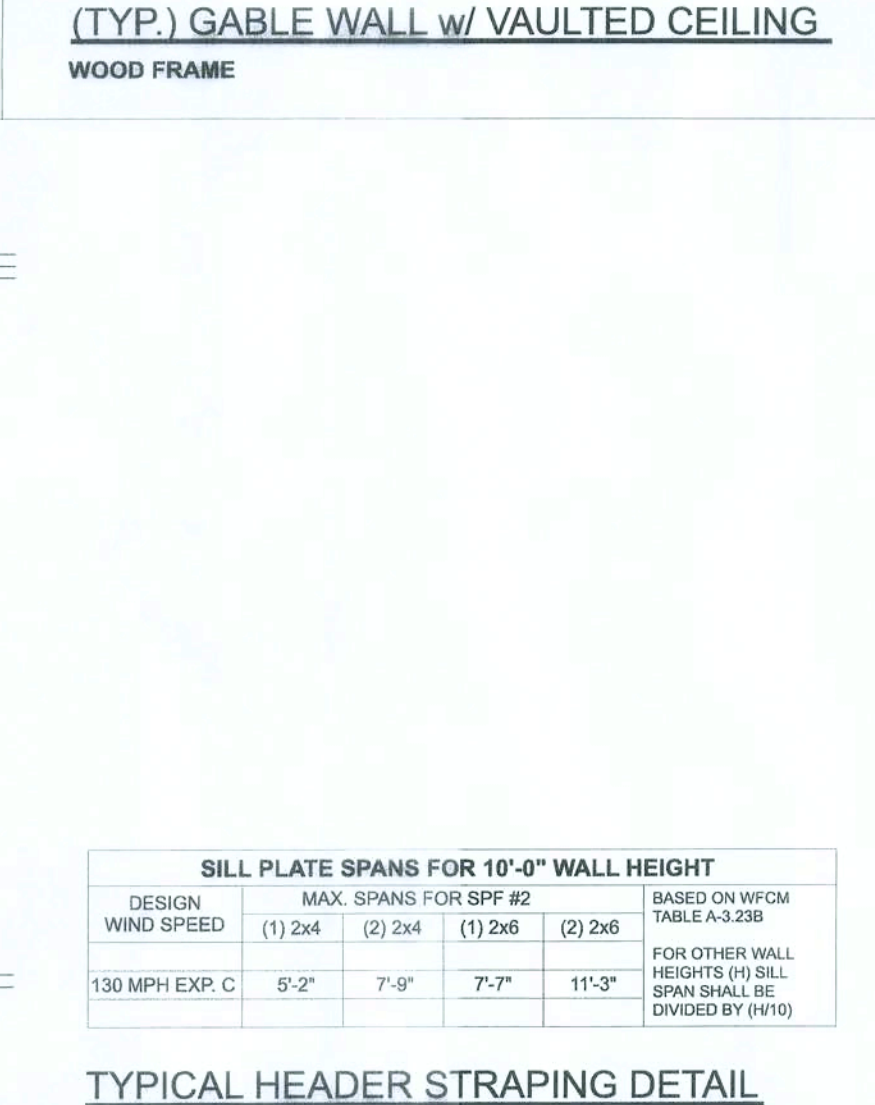
**ROOF SYSTEM DESIGN:**  
THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBOR, IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBOR 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 DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE 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.



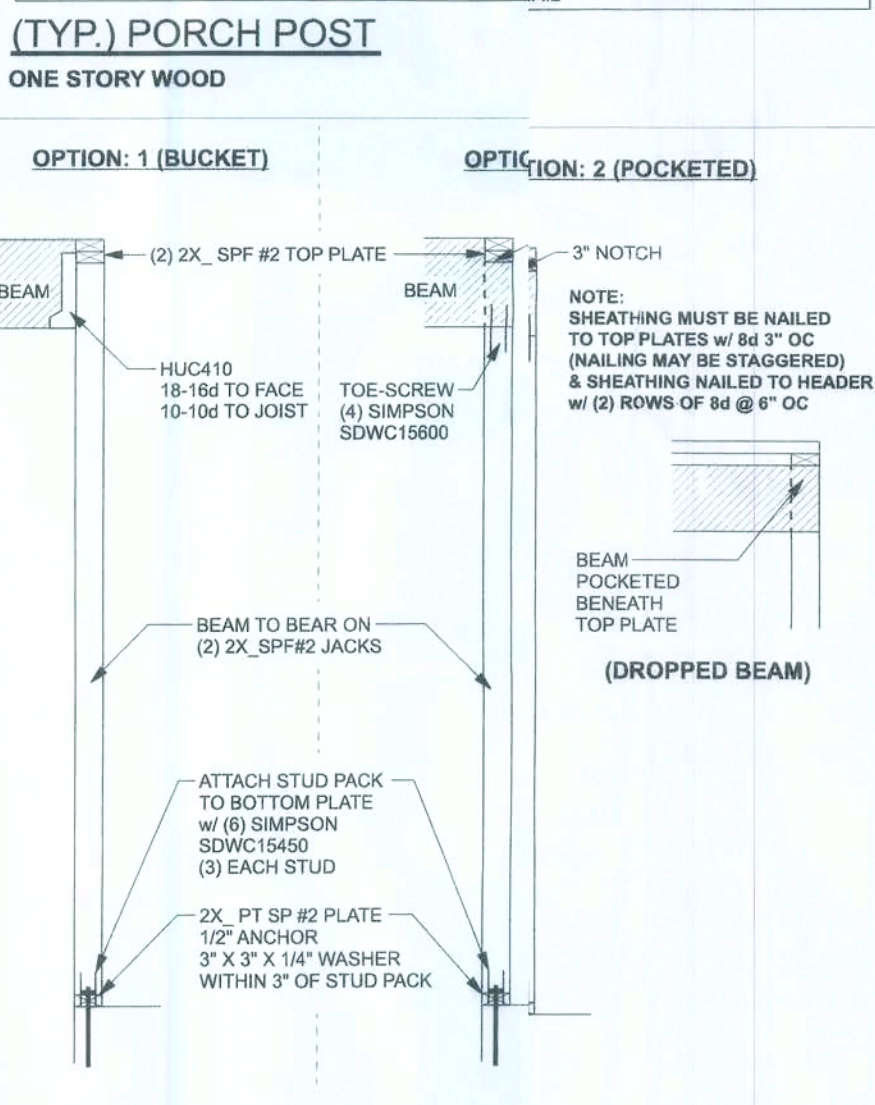
(TYP.) INTERSECTING WALL FRAMING  
WOOD FRAME



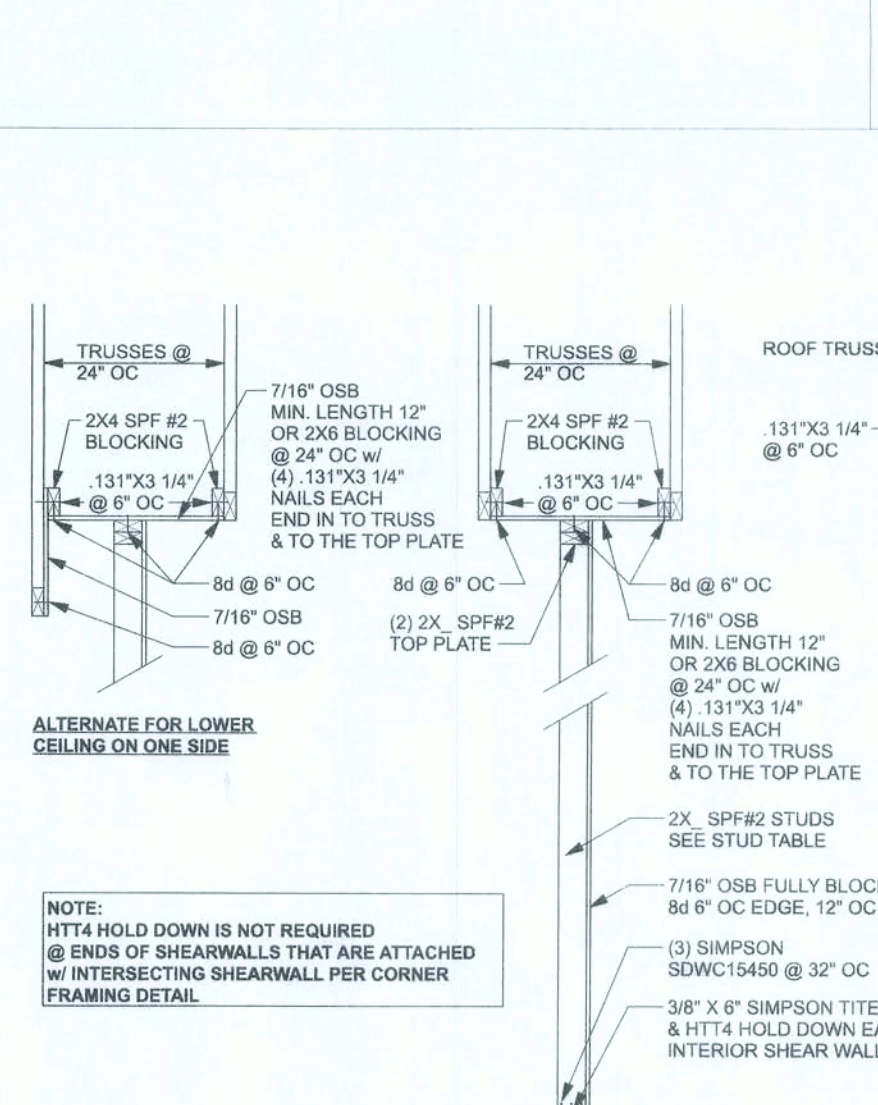
TYPICAL HEADER STRAPPING DETAIL  
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



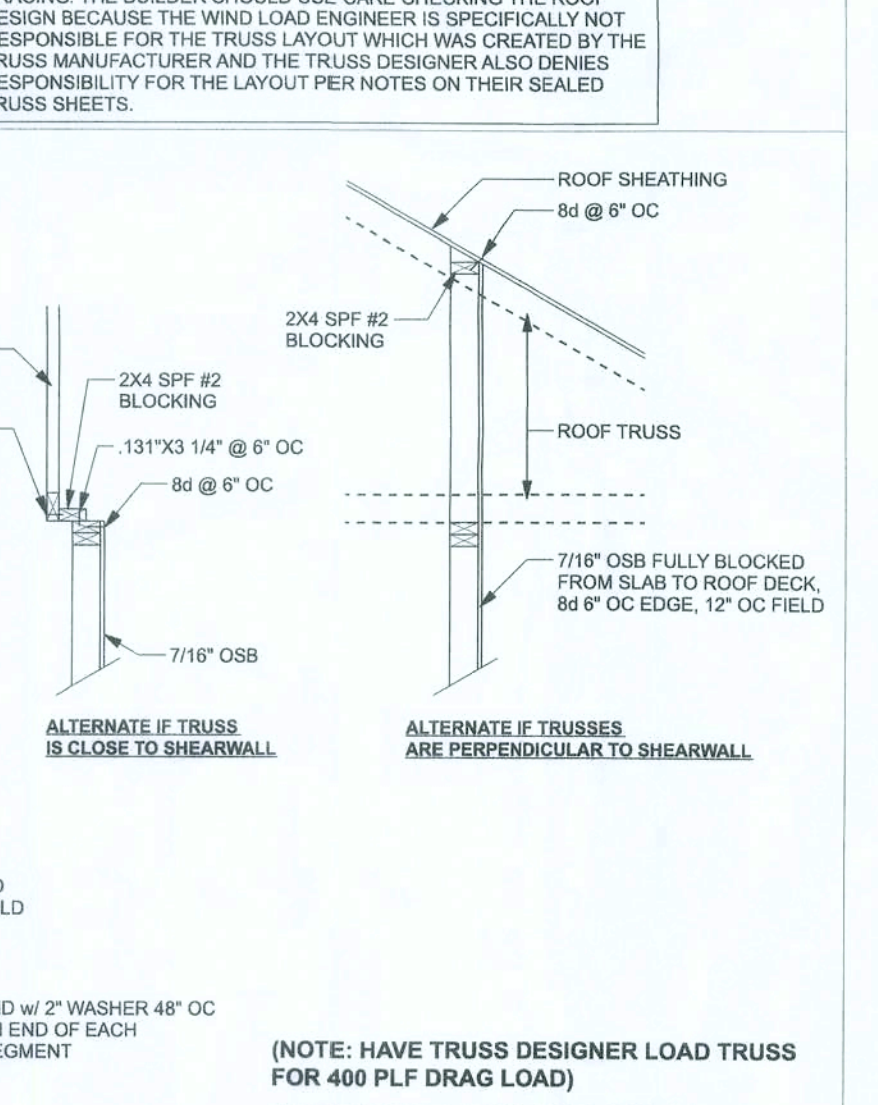
(TYP.) BEAM TO WALL  
WOOD FRAME w/ STRAPS & ANCHORS



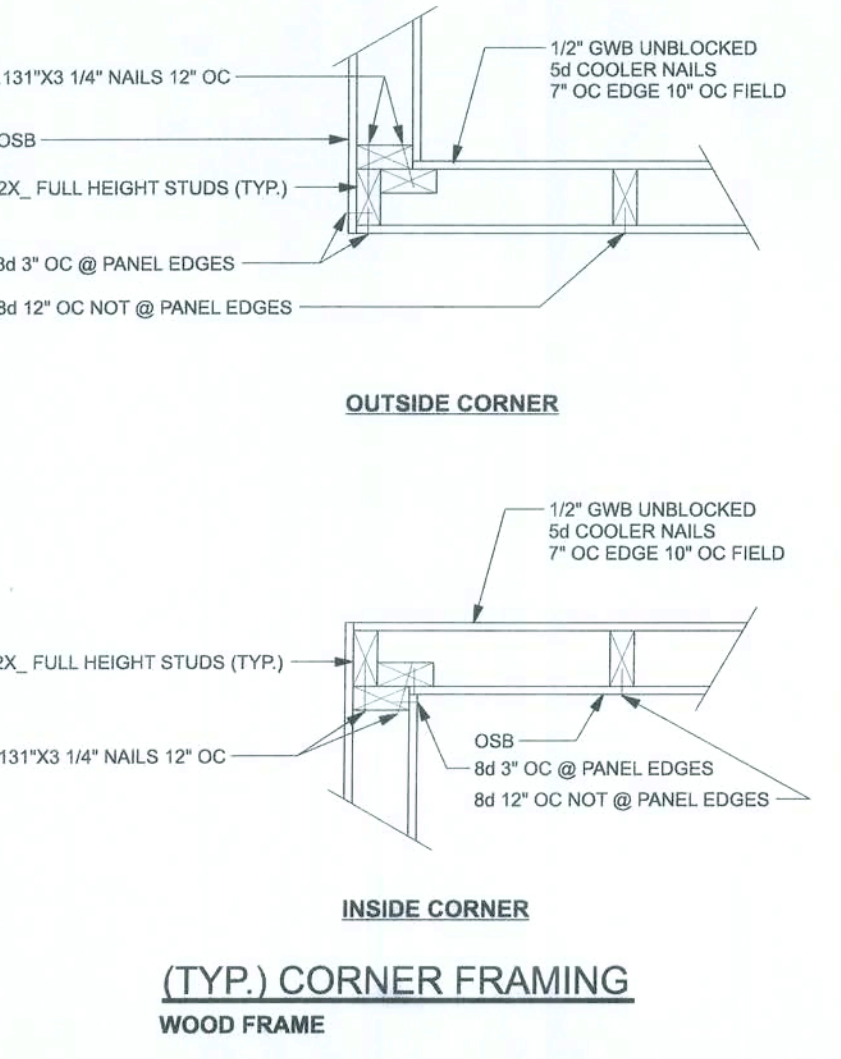
(TYP.) PORCH POST  
ONE STORY WOOD



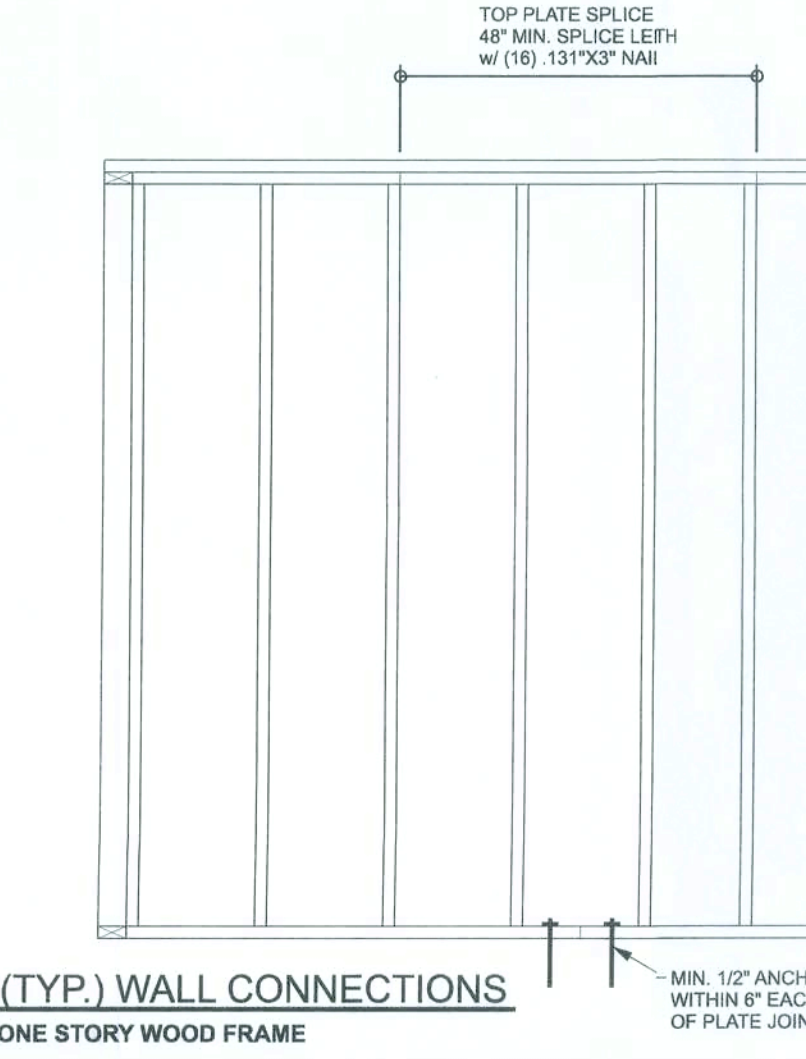
ALTERNATE FOR LOWER CEILING ON ONE SIDE



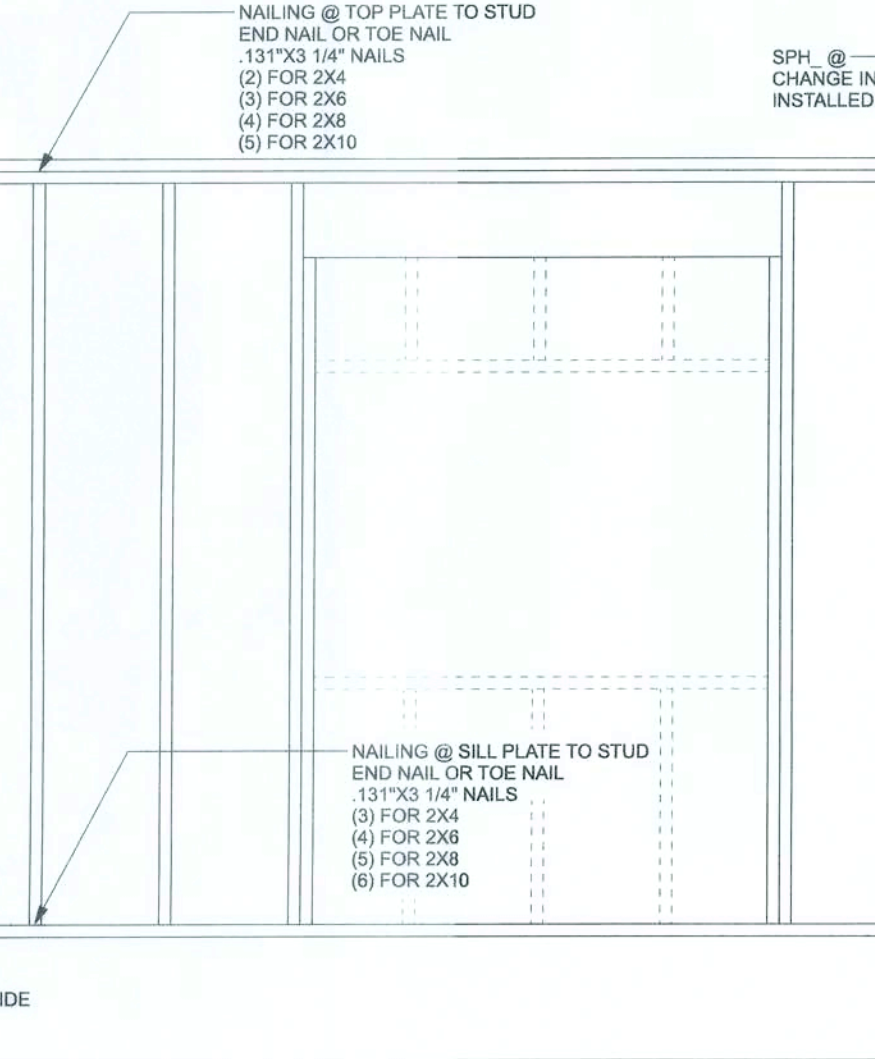
ALTERNATE IF TRUSSES ARE PERPENDICULAR TO SHEARWALL



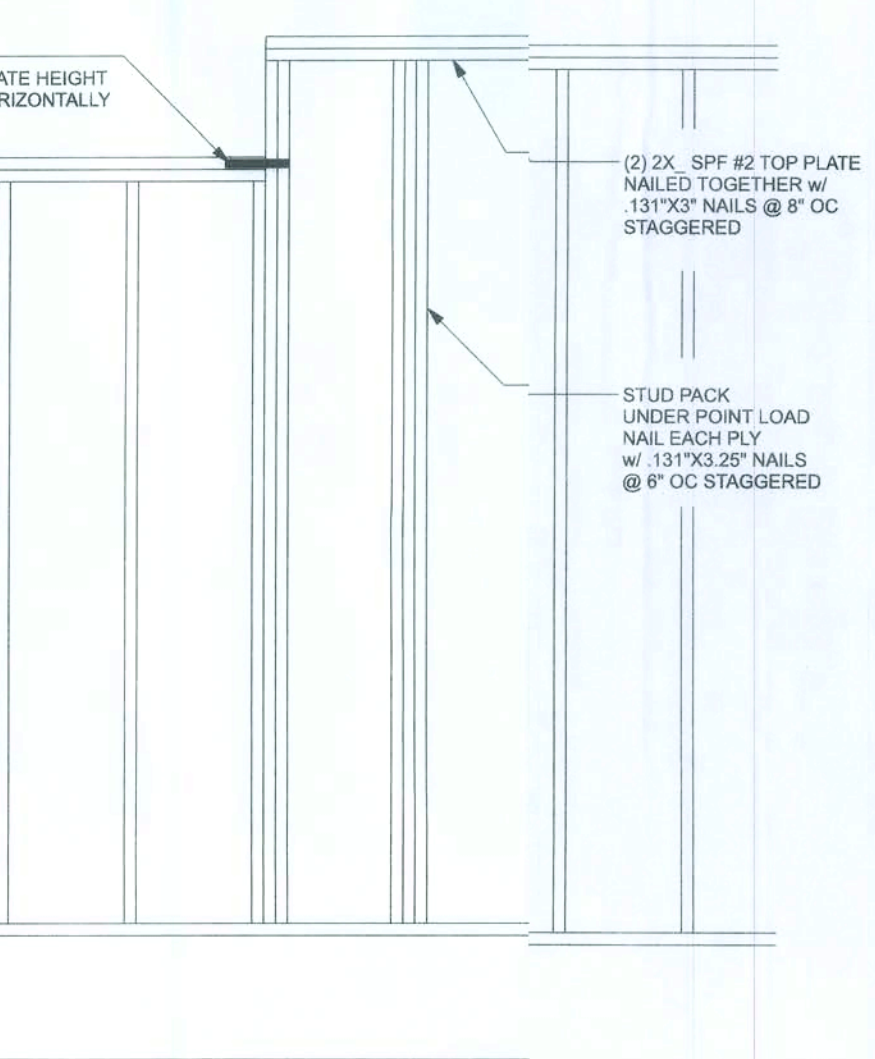
(TYP.) CORNER FRAMING  
WOOD FRAME



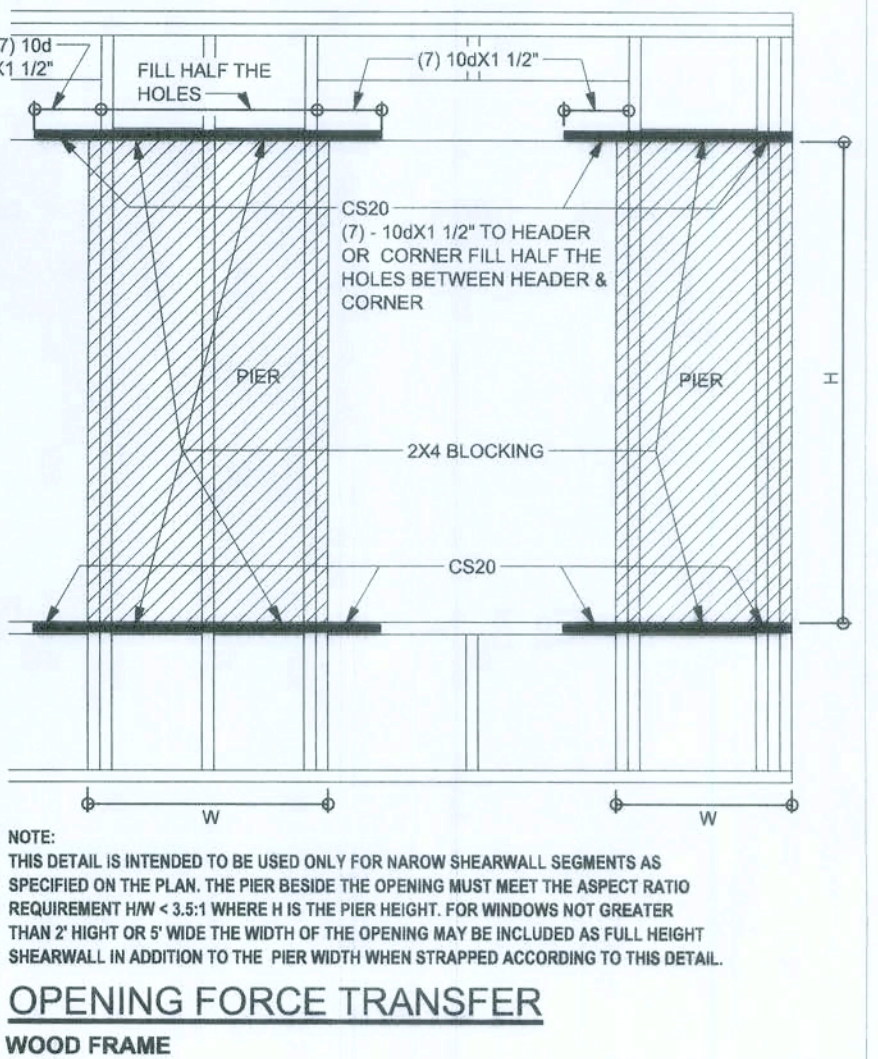
(TYP.) WALL CONNECTIONS  
ONE STORY WOOD FRAME



TYPICAL HEADER STRAPPING DETAIL  
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



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



(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 MAY BE COUNTERSUNK. HORIZONTAL JAMBS DO NOT TRANSFER LOAD. CENTER LAG SCREWS OR STAGGER 16/16 INLS OR (2) ROWS OF .131X3 1/4" GN PER TABLE BELOW.

DOOR WIDTH	3/8"x4" LAG	16d STAGGER	(2) ROWS OF .131"x3 1/4" 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

2X6 SP #2 DOOR BUCK

BACKET.

2X6 SP #2 GARAGE DOOR BUCK INSTALLATION  
WOOD FRAME

**DESIGN CRITERIA & LOADS:**

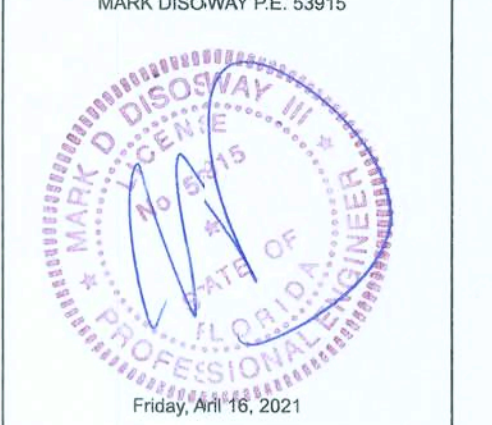
BUILDING CODE	7TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2020)
CODE FOR DESIGN LOADS	ASCE 7-16
BASIC WIND SPEED (ASCE 7-16, 3S GUST)	130 MPH
WIND EXPOSURE (BUILDER MUST FIELD VERIFY)	C
TOPOGRAPHIC FACTOR (BUILDER MUST FIELD VERIFY)	I
RISK CATEGORY	II
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	0.18
ROOF ANGLE	7-45 DEGREES
MEAN ROOF HEIGHT	30 FT
C&C DESIGN PRESSURES	SEE TABLE
FLOOR LOADING	
ROOMS OTHER THAN SLEEPING ROOM	40 PSF LIVE LOAD
SLEEPING ROOMS	30 PSF LIVE LOAD
ROOF 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

**COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)**

EFFECTIVE WIND AREA (FT2)	ZONE 4 INTERIOR	ZONE 5 END 4 FROM ALL OUTSIDE CORNER
0 - 20	+25.6(Vasd) -27.8(Vasd)	+25.6(Vasd) -34.2(Vasd)
0 - 20	+42.6(VuH) -46.2(VuH)	+42.6(VuH) -57.0(VuH)
GARAGE DOOR DESIGN PRESSURES 130 MPH (EXP C)		
8x7 GARAGE DOOR	+22.8(Vasd) -25.5(Vasd)	
16x7 GARAGE DOOR	+21.7(Vasd) -24.1(Vasd)	

Aaron Simque Homes  
1005 Mandal (Elevation A)  
Lot 55 The Preserves  
PROJECT ADDRESS:  
Lot 55 The Preserves  
Lake City, FL

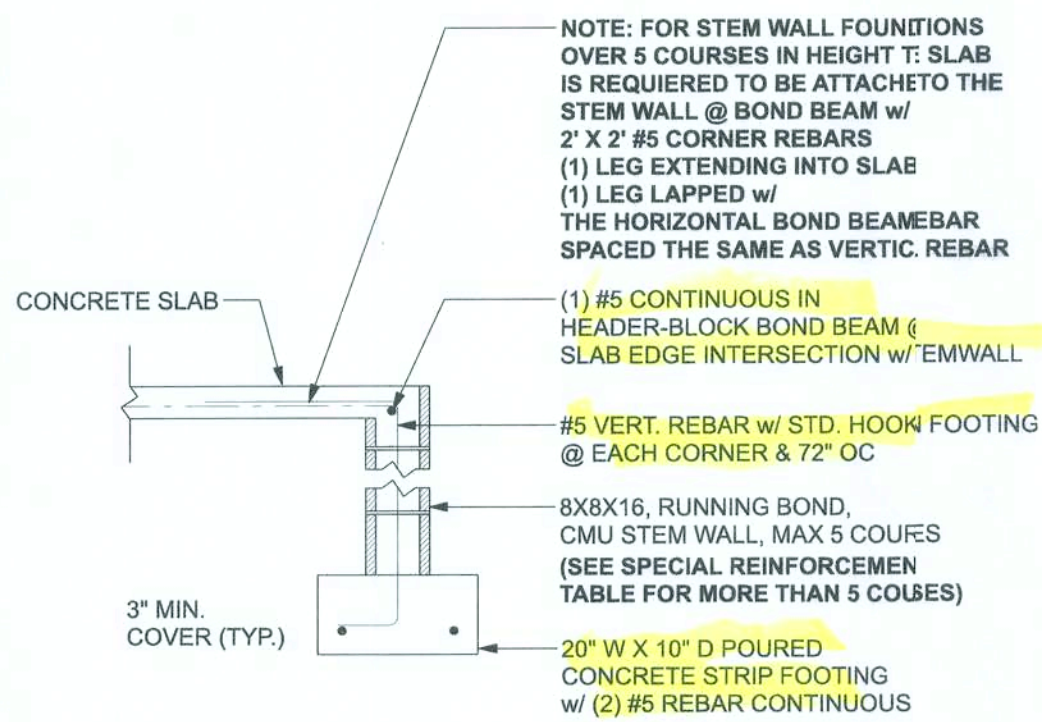
DIMENSIONS:  
Stated dimensions are unrounded scaled dimensions. Refer allegations to Mark Disoway, P.E., resolution. Do not proceed without clarification.  
COPYRIGHTS AND PROPERTY RIGHTS:  
Mark Disoway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of review. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disoway.  
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.  
MARK DISOWAY P.E. 63915



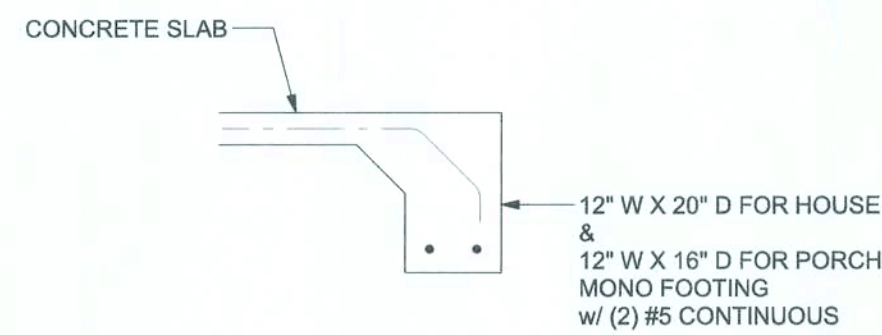
Mark Disoway P.E.  
163 SW McLean Place  
Suite 103  
Lake City, Florida 32025  
386.54.5419  
disowaydesign@gmail.com

JOB NUMBER:  
21J558  
5-1  
OF 6 SHEETS

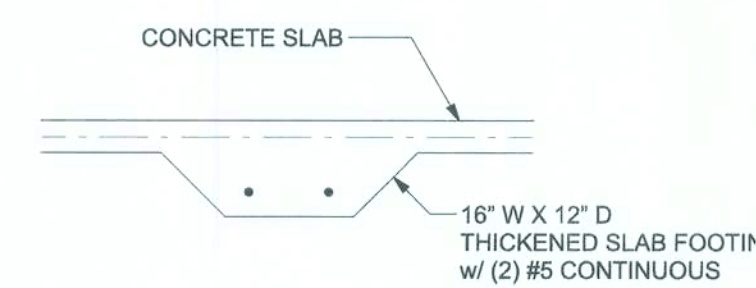




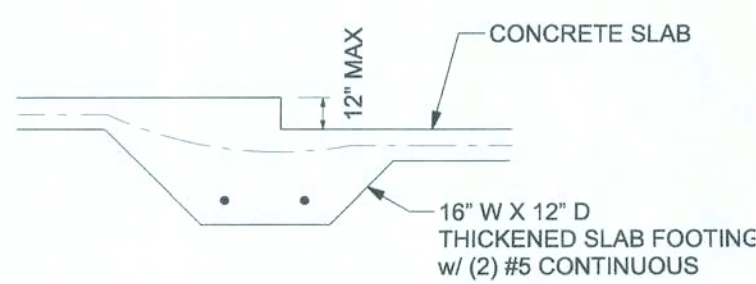
F1 S-2 OPTIONAL STEM WALL FOOTING  
SCALE: 1/2" = 1'-0"



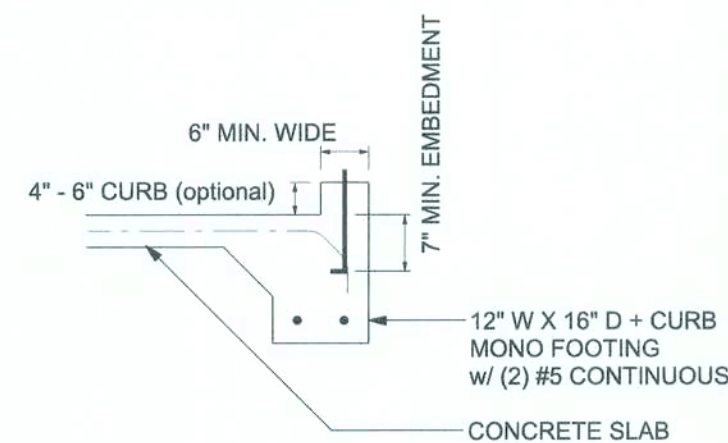
F1 S-2 MONOLITHIC FOOTING  
SCALE: 1/2" = 1'-0"



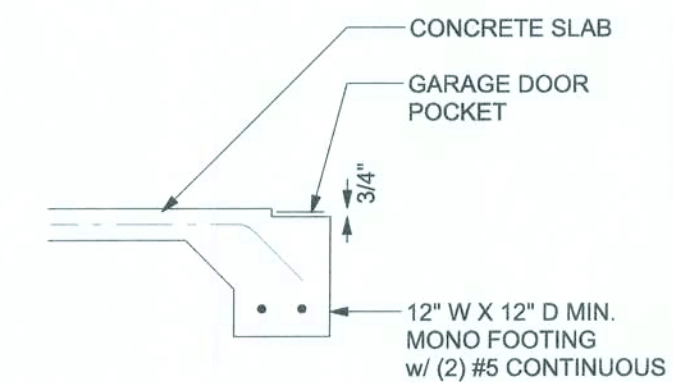
F2 S-2 INTERIOR BEARING FOOTING  
SCALE: 1/2" = 1'-0"



F3 S-2 INTERIOR BEARING STEP FOOTING  
SCALE: 1/2" = 1'-0"



F4 S-2 MONOLITHIC CURB FOOTING  
SCALE: 1/2" = 1'-0"



F5 S-2 GARAGE DOOR POCKET FOOTING  
SCALE: 1/2" = 1'-0"

TALL STEM WALL TABLE:

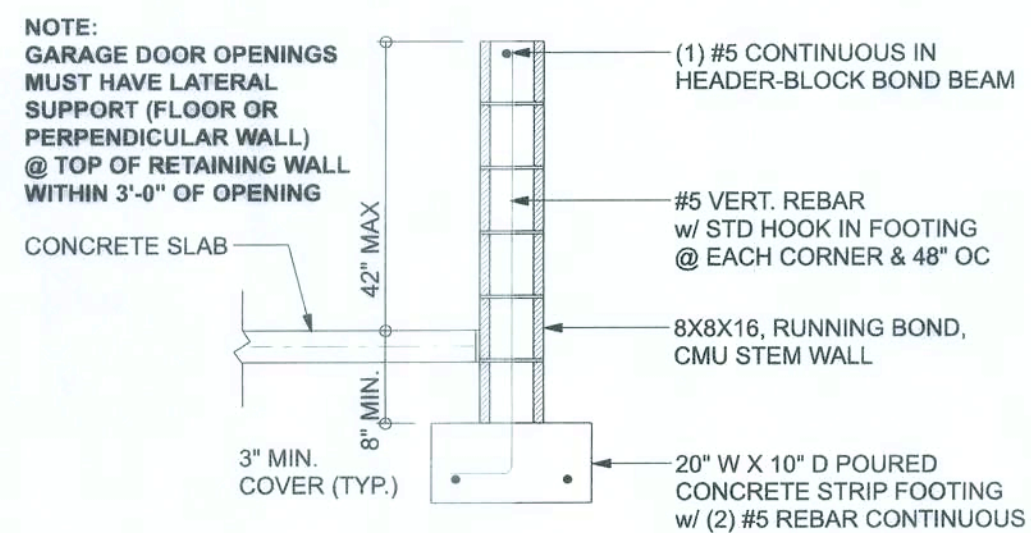
The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the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

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	96	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
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

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 530.1-02 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 10"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 60, 0.80 oz/lb or 304SS
2.4F Coating for corrosion protection	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/lb 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.

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



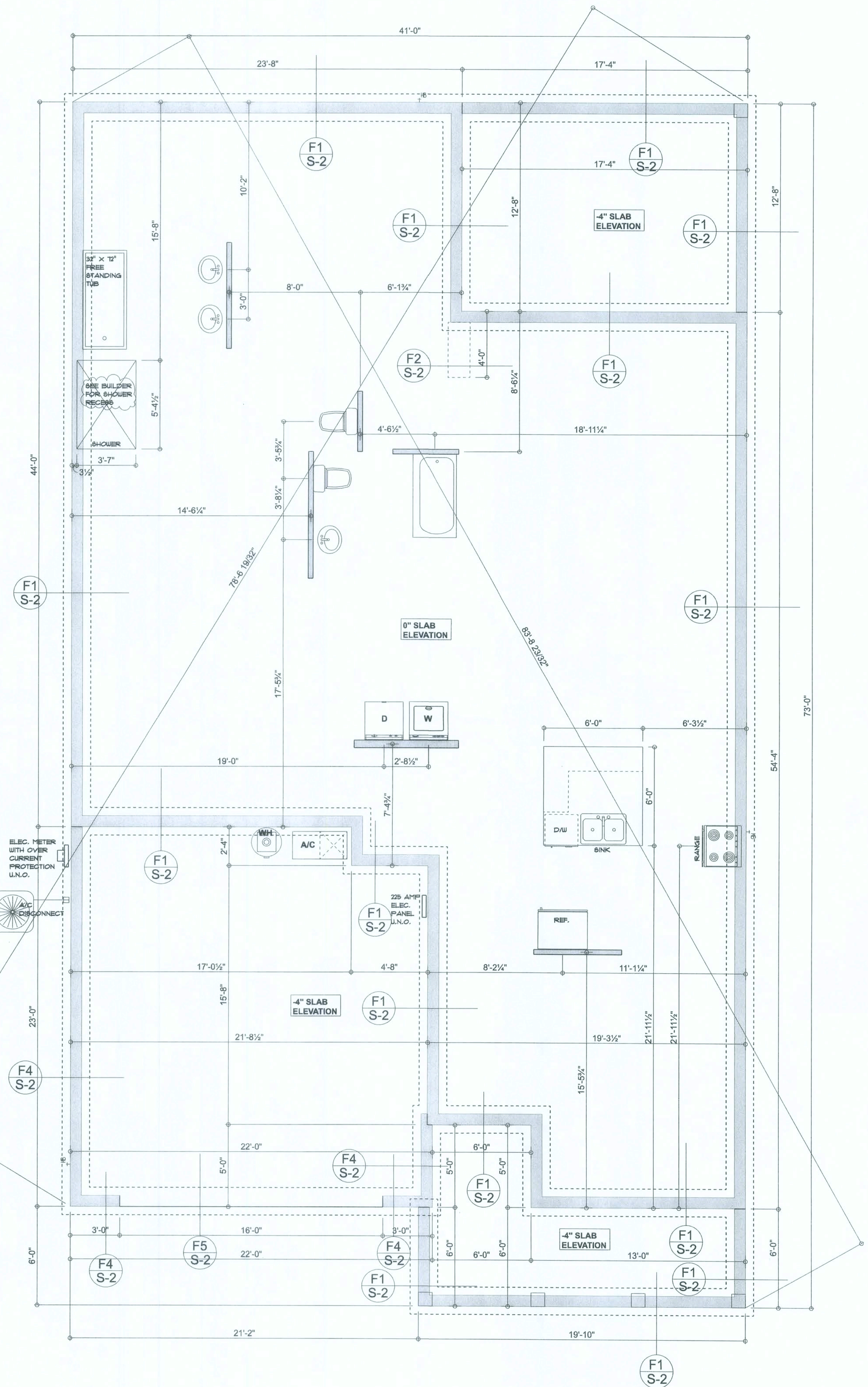
F4 S-2 OPTIONAL STEM WALL CURB FOOTING  
SCALE: 1/2" = 1'-0"

#### FOUNDATION PLAN

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

#### FOUNDATION NOTES

- FN-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.
- FN-2 CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING (IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
- FN-3 THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/ 6X6-1/4" WELDED WIRE MESH PLACED ON CHAIRS @ 12" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY TAPE OVER TERMITES-TREATED & COMPACTED 5" FILL (ALSO, ANY OTHER CODE APPROVED TERMITES TREATMENT METHOD CAN BE USED INSTEAD)



Aaron Simque Homes

100c Model (Elevation A)  
Lot 55 The Preserves

PROJECT ADDRESS:  
Lot 55 The Preserves  
Lake City, FL

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

COPYRIGHTS AND PROPERTY RIGHTS:  
Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments or services. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

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 Revisions (2020) to the best of my knowledge.

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

MARK DISOSWAY P.E. 53915

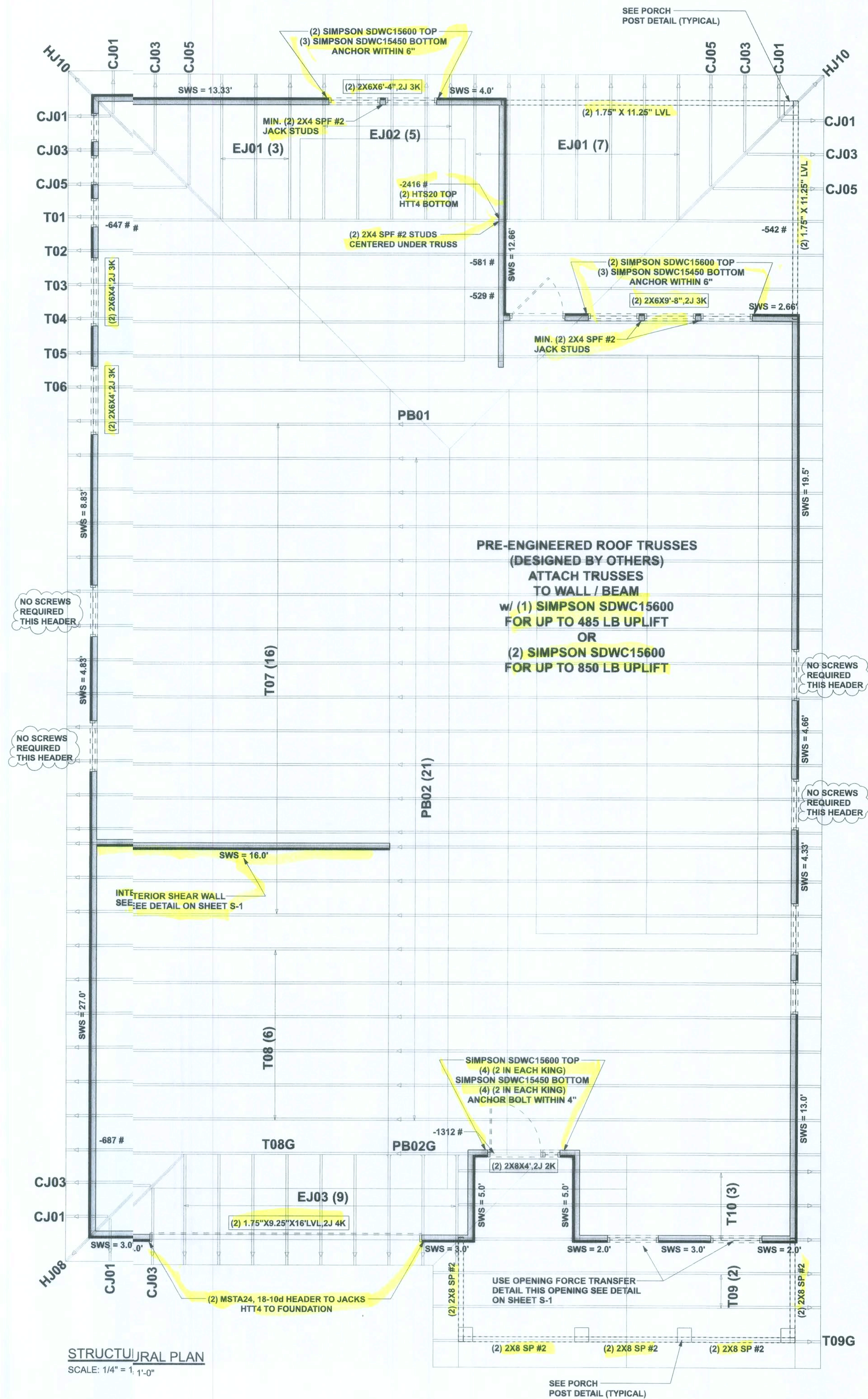


Mark Disosway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City Florida 32025  
386/54.5419  
disoswaydesign@gmail.com

JOB NUMBER:  
210558

S-2  
OF 5 SHEETS



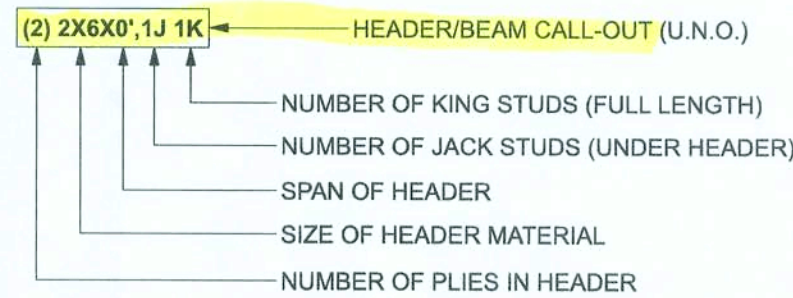


STRUCTURAL PLAN  
SCALE: 1/4" = 1'-0"

# STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (U.N.O.)
- SN-2 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
- SN-4 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-5 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI-1-03, 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	LONGITUDINAL
ACTUAL	18616 LBF	25154 LBF
REQUIRED	17773 LBF	8900 LBF

Aaron Simque Homes

1005 Mandal (Elevation A)  
Lot 55 The Preserves

PROJECT ADDRESS:  
Lot 55 The Preserves  
Lake City, FL

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

COPYRIGHTS AND PROPERTY RIGHTS:  
Mark Diosway, P.E. hereby expressly reserves 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 written permission and consent of Mark Diosway.

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.

MARK DIOSWAY P.E. 53915



Mark Diosway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City, Florida 32025  
386.54.5419  
dioswaydesign@gmail.com

JOB NUMBER:  
210558

S-3  
OF 6 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #225468