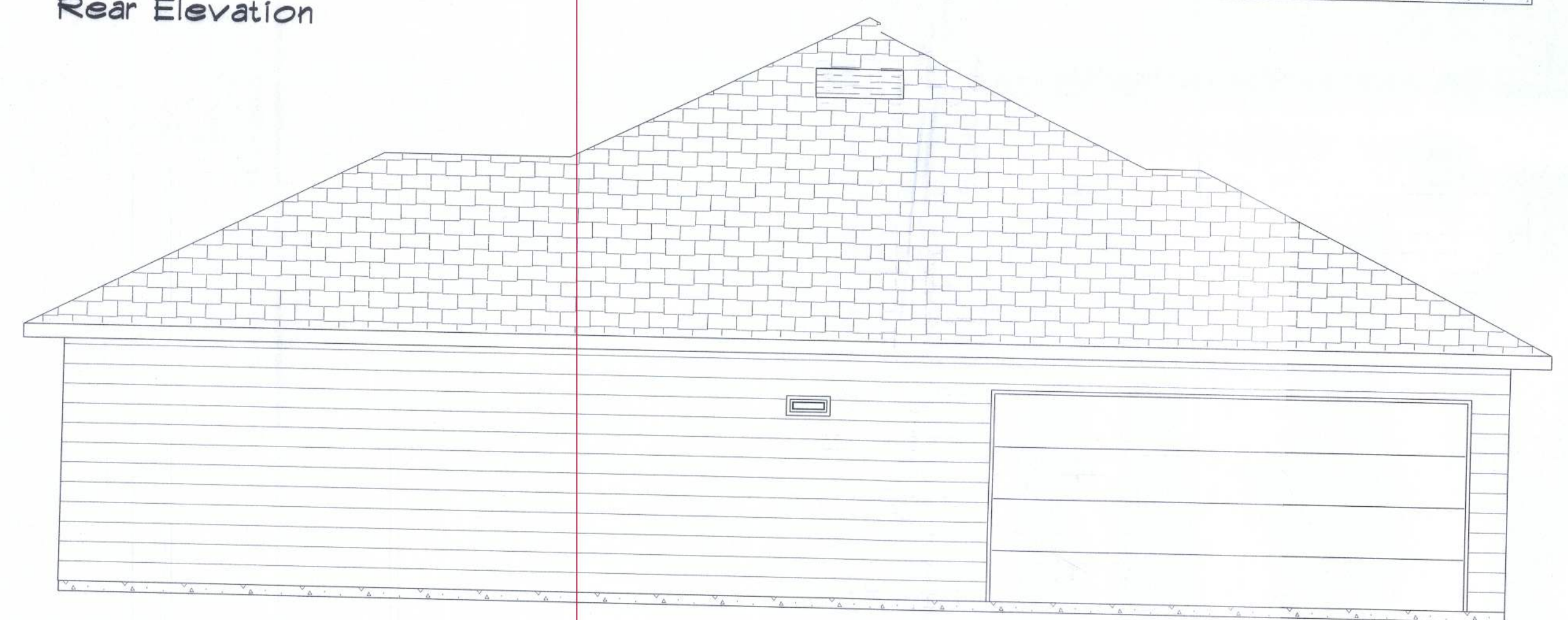




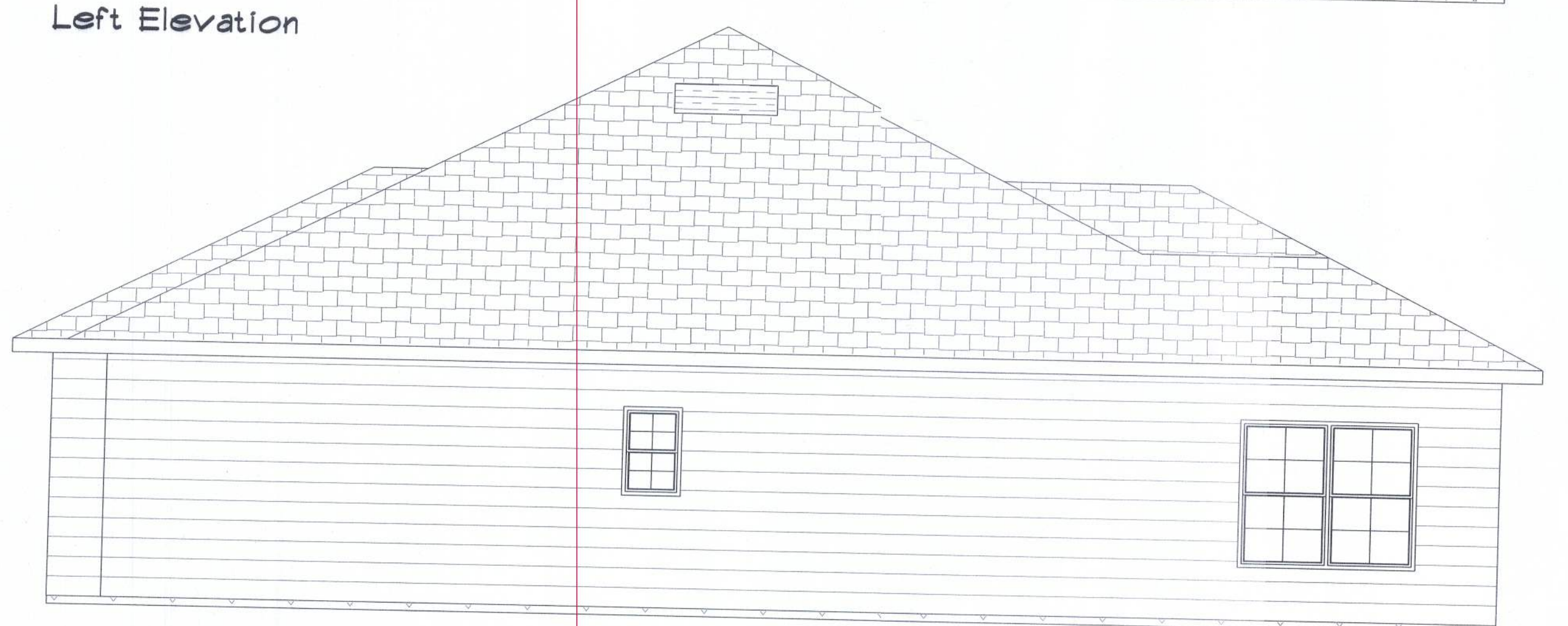
Front Elevation



Rear Elevation



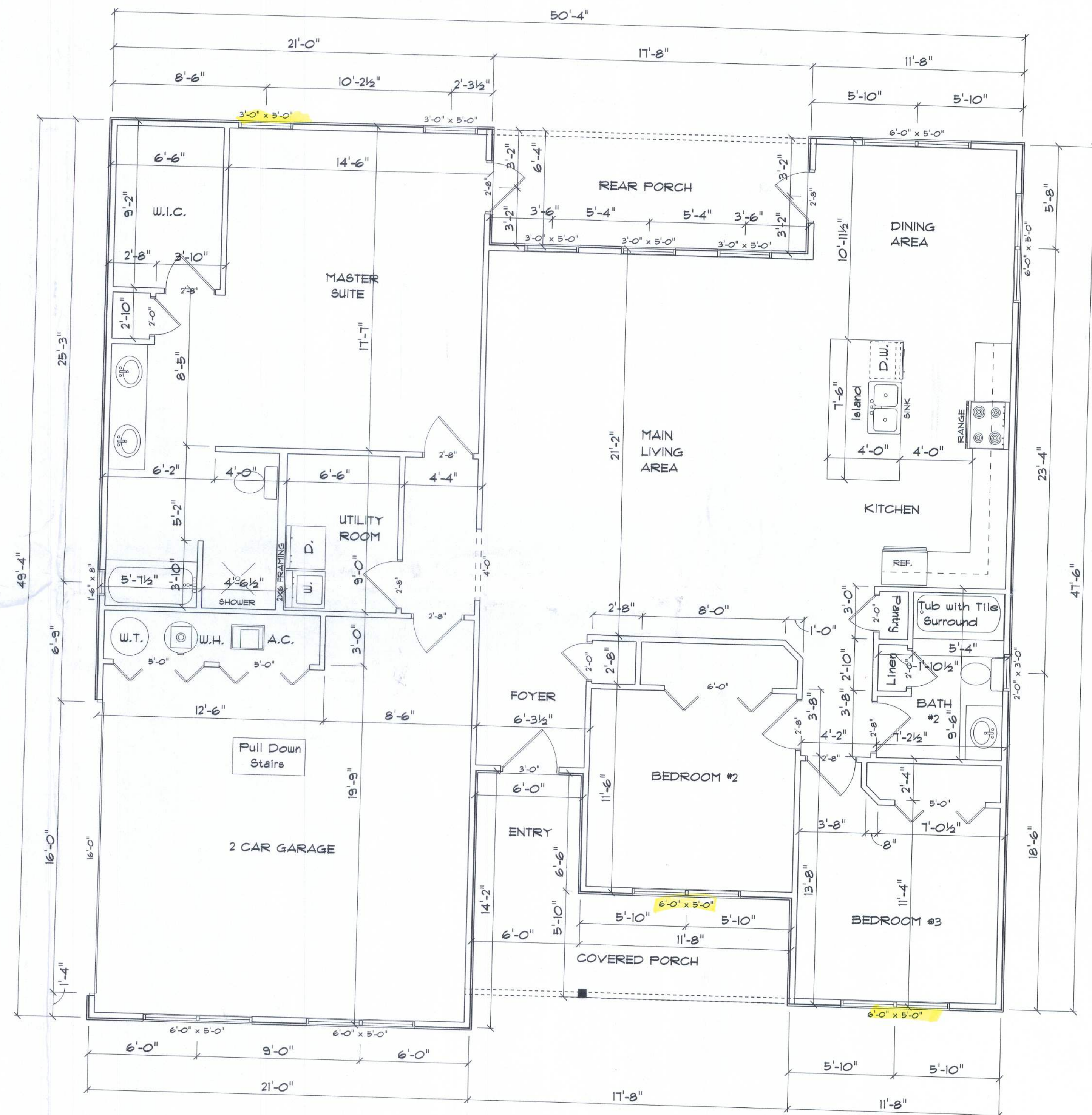
Left Elevation



Right Elevation

9'-0"
20'-11 1/2"
Approx. Overall Height

ROOF VENTILATION:
R302.2 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-in-winter side of the ceiling.
2. At least 40 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 highest point of the roof space, measured vertically, with the balance of the required ventilation provided by 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.



FLOOR PLAN

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

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

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.

TABLE R302.6 DWELLING/GARAGE SEPARATION:

SEPARATION	MATERIAL
From the residence and attic	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
Structurally 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

Area:
Heated 1,730
Garage 482
Porches 252

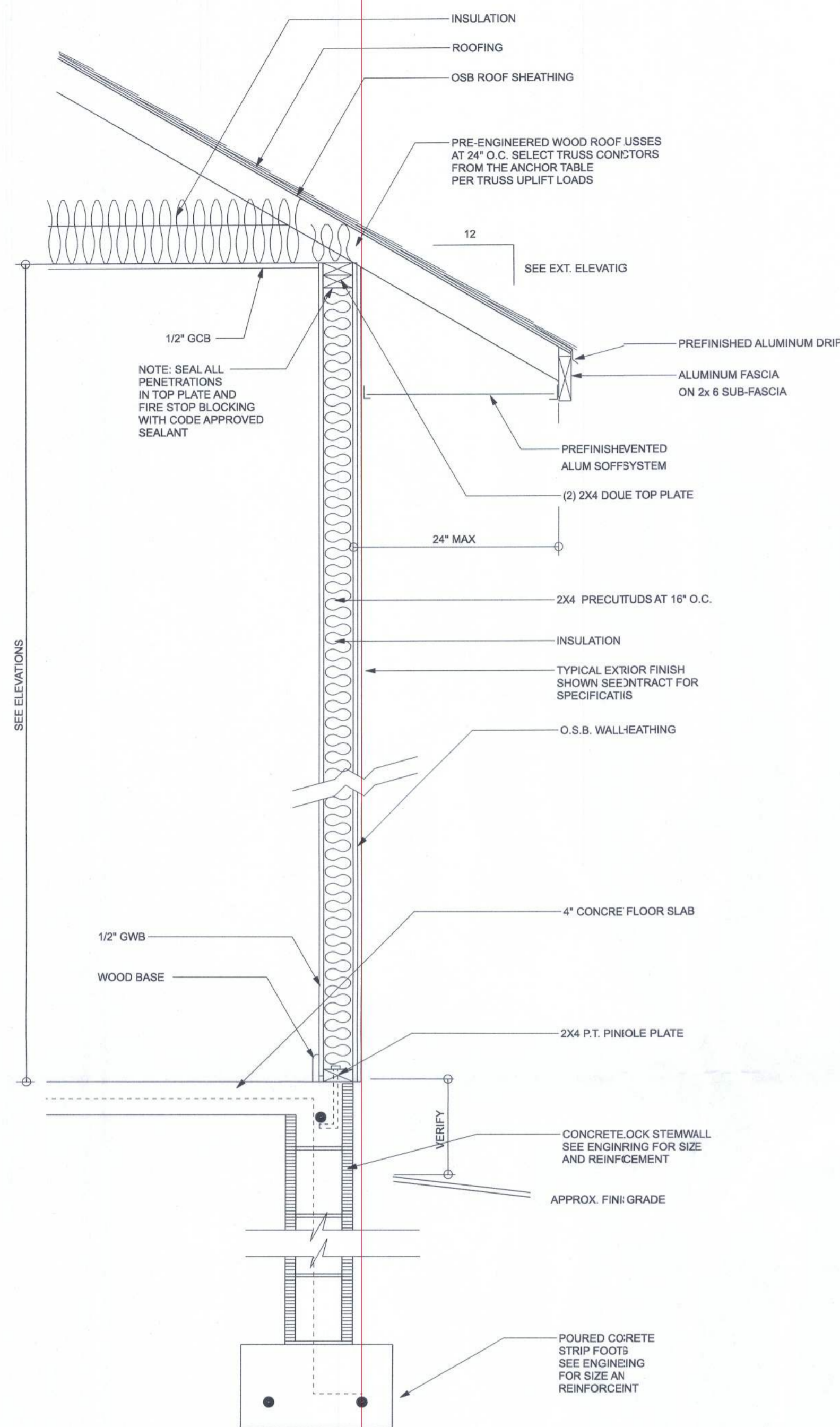
Total 2464

Cornerstone Development

1730 Spec - Lot 92 Emerald Cove
242 SW TIMBERLAND CT.

PROJECT ADDRESS:
Lot 92 Emerald Cove
Columbia County, FL

Cornerstone Development
386.752.2690
chris@hplimbing.net



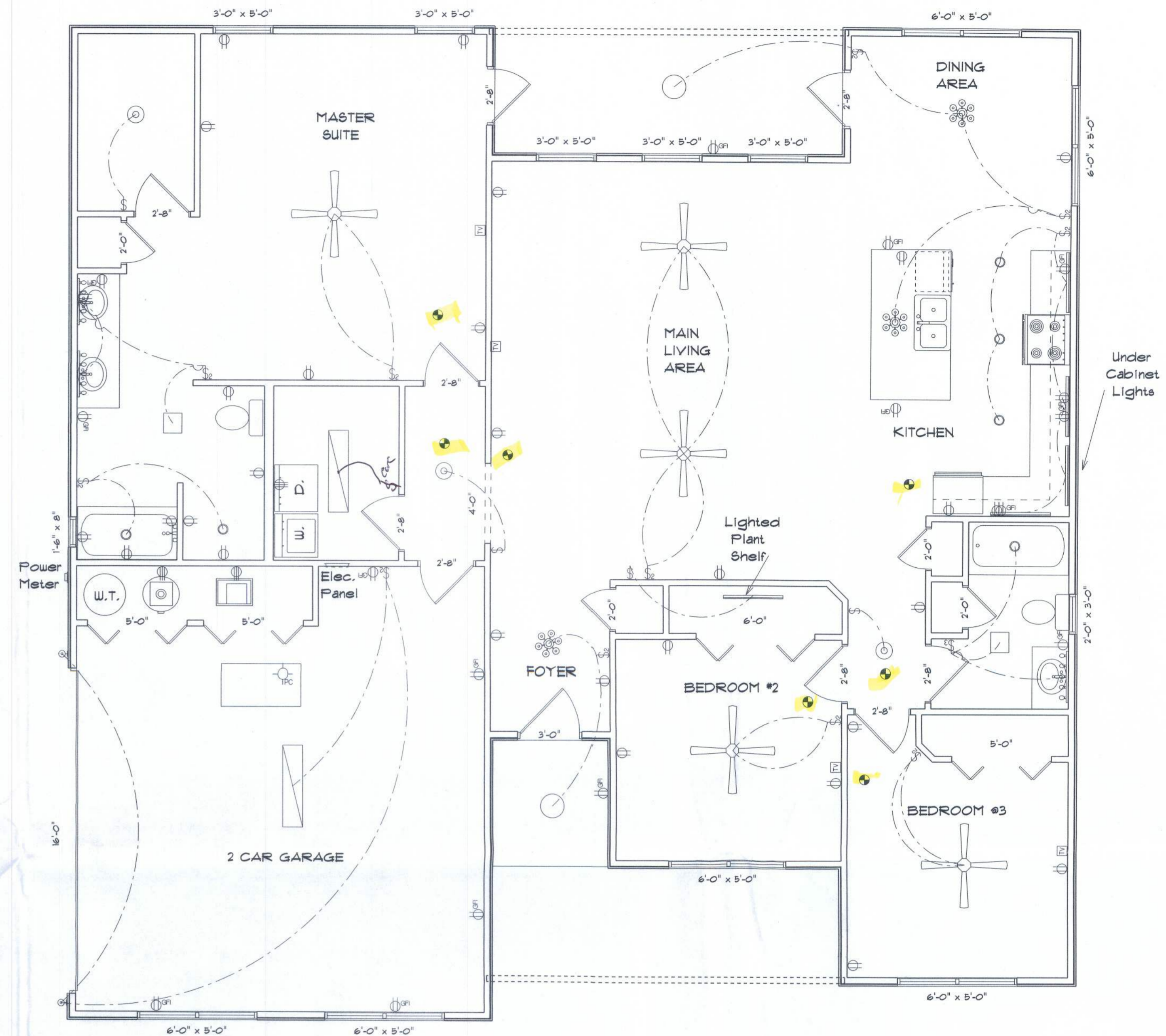
TYPICAL DESIGN WALL SECTION
NON - STRUCTURAL DATA

SCALE:

1" = 1'-0"

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

- 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 NAT'L. 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 OWNERS DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC LATEST EDITION.
 - E-6 ELECTRICAL CONTR' SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF 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 ON 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 SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OFF 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 FBC EC SEC. R404.1



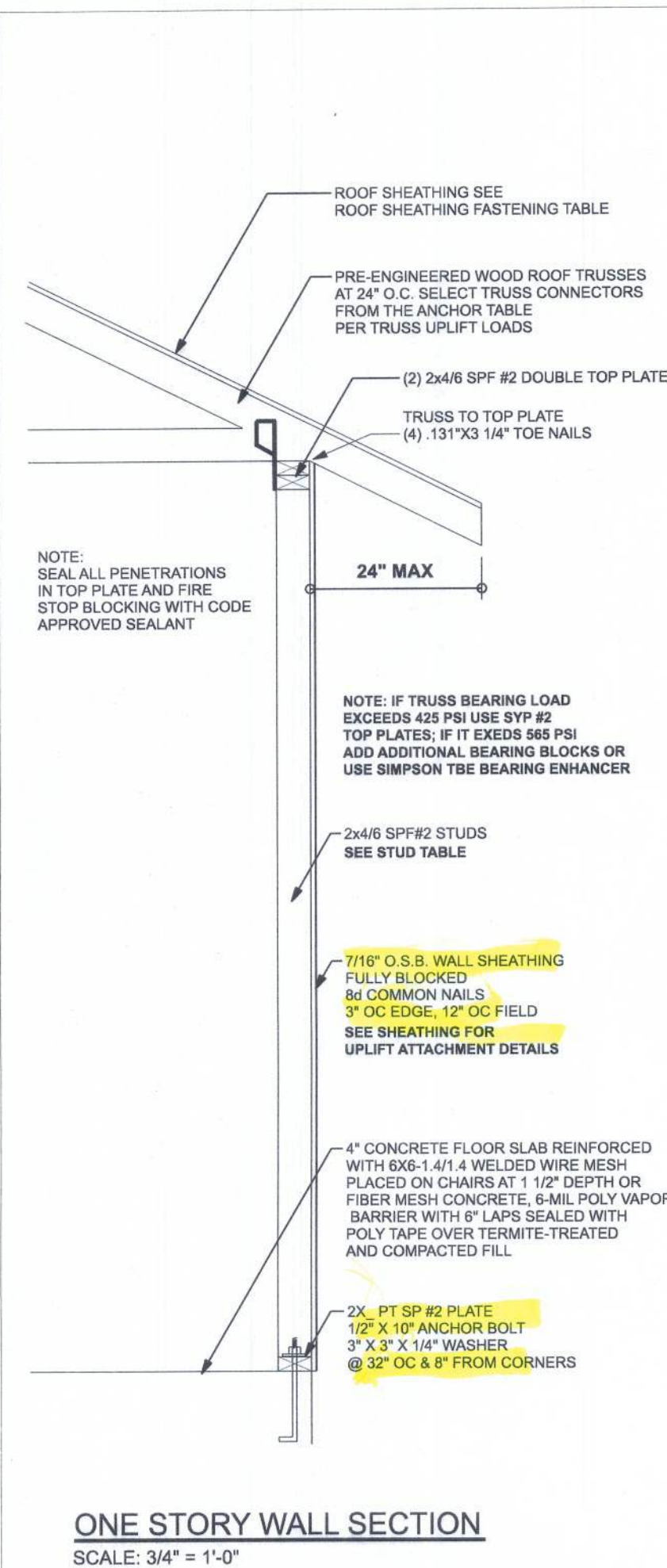
Electrical Plan

Cornerstone Development

1730 Spec - Lot 92 Emerald Cove

PROJECT ADDRESS:
1730 Emerald Cove
Columbia County, FL

Cornerstone Development
386.752.2690
cris@hplumbing.net

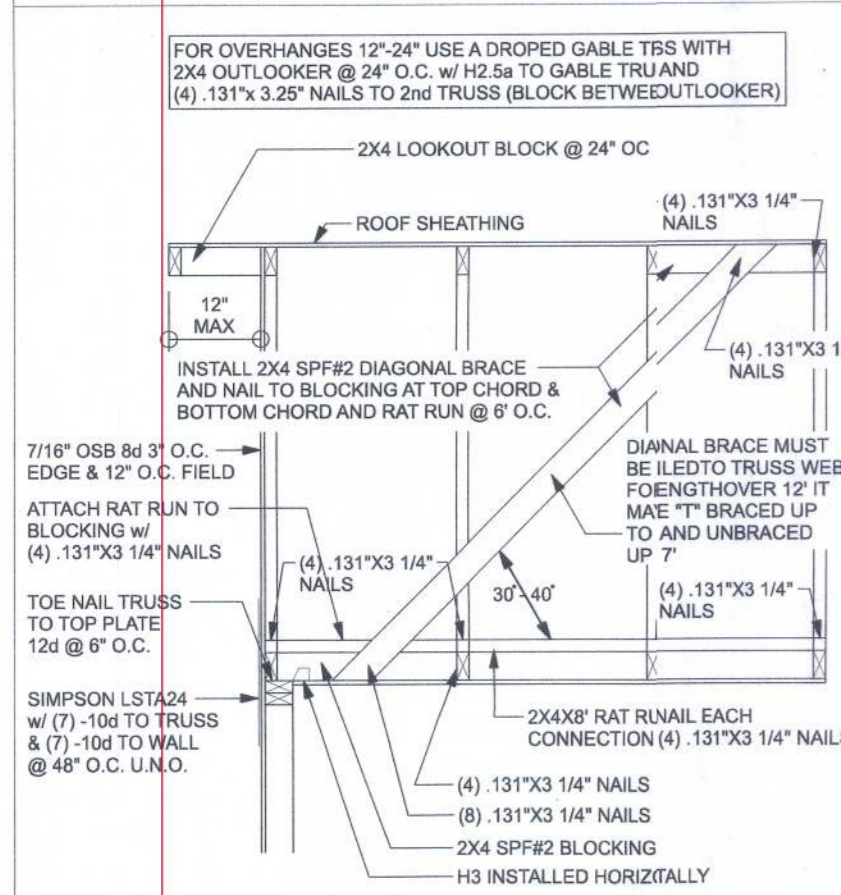


ONE STORY WALL SECTION
SCALE: 3/4" = 1'-0"

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

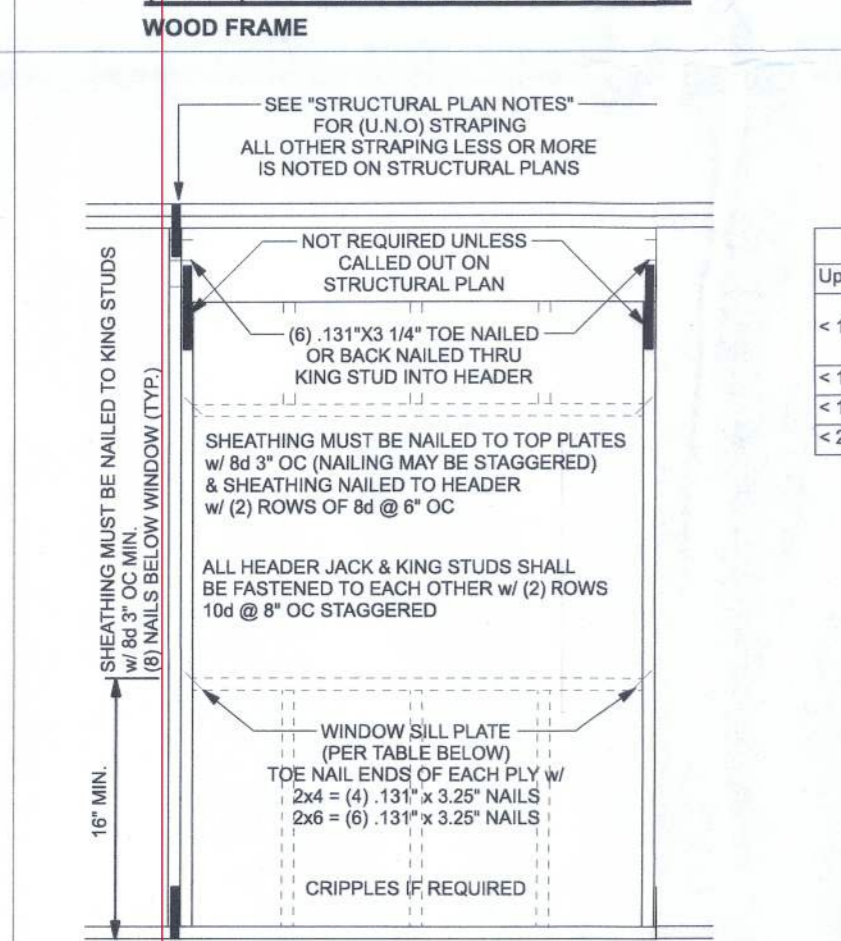
Wind Speed	Sheathing Thickness	Required Nail	Nail spacing along panel edges	Nail spacing long intermediate supports in the panel field
120 mph Exp. B	7/16"	ASTM F1667 RSRS-01 (2 3/8" x 0.131")	6" oc	2" oc
120 mph Exp. C	7/16"	ASTM F1667 RSRS-01 (2 3/8" x 0.131")	6" oc	2" oc
120 mph Exp. D	3/32"	ASTM F1667 RSRS-03 (2 1/2" x 0.131") or ASTM F1667 RSRS-04 (3" x 0.120")	6" oc	2" oc
130 mph Exp. C	7/16"	ASTM F1667 RSRS-01 (2 3/8" x 0.131")	6" oc	2" oc
130 mph Exp. C	5/32"	ASTM F1667 RSRS-01 (2 3/8" x 0.131")	6" oc	2" oc
130 mph Exp. C	3/32"	ASTM F1667 RSRS-03 (2 1/2" x 0.131") or ASTM F1667 RSRS-04 (3" x 0.120")	6" oc	2" oc
140 mph Exp. B	7/16"	ASTM F1667 RSRS-01 (2 3/8" x 0.131")	6" oc	2" oc
140 mph Exp. C	3/32"	ASTM F1667 RSRS-03 (2 1/2" x 0.131") or ASTM F1667 RSRS-04 (3" x 0.120")	6" oc	2" oc
140 mph Exp. D	3/32"	ASTM F1667 RSRS-03 (2 1/2" x 0.131") or ASTM F1667 RSRS-04 (3" x 0.120")	6" oc	2" oc
150 mph Exp. C	3/32"	ASTM F1667 RSRS-03 (2 1/2" x 0.131") or ASTM F1667 RSRS-04 (3" x 0.120")	6" oc	2" oc
150 mph Exp. D	3/32"	ASTM F1667 RSRS-03 (2 1/2" x 0.131") or ASTM F1667 RSRS-04 (3" x 0.120")	4" oc	2" oc

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



(TYP.) GABLE BRACING DETAIL
WOOD FRAME

SPACE RAIL RUN & DIAGONAL BRACE 6'-0" O.C.
FOR GABLE HEIGHT UP TO 25'-0" 130 MPH, EXP. C, ELOSO



(TYP.) INTERSECTING WALL FRAMING
WOOD FRAME

SEE "STRUCTURAL PLAN NOTES" FOR (1) N.O. STAIRING, ALL OTHER STRAPPING LESS OR MORE IS NOTED ON STRUCTURAL PLANS.

NOT REQUIRED UNLESS CALLED OUT ON STRUCTURAL PLAN

131x3 1/4" TOE NAIL OR BACK NAIL THRU KING STUD INTO HEADER

SHEATHING MUST BE NAILED TO TOP PLATES w/ 6d 3" OC (NAILING MAY BE STAGGERED) & SHEATHING NAIL TO HEADER w/ (2) ROWS OF 6d @ 6" OC

ALL HEADER JACK & KING STUDS SHALL BE FASTENED TO EACH OTHER w/ (2) ROWS 10d @ 6" OC STAGGERED

WINDOW SILL PLATE (PER TABLE BELOW)

TOE NAIL ENDS OF EACH PLY w/ 2x4 = (4) 131x3 1/4" 3.25" NAILS

2x6 = (6) 131x3 1/4" 3.25" NAILS

CRIPPLES IF REQUIRED

15' MIN.

12" GWB UNBLOCKED 5d COOLER NAILS 7" OC EDGE 10" OC FIELD

2X FULL HEIGHT STUDS (TYP.)

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

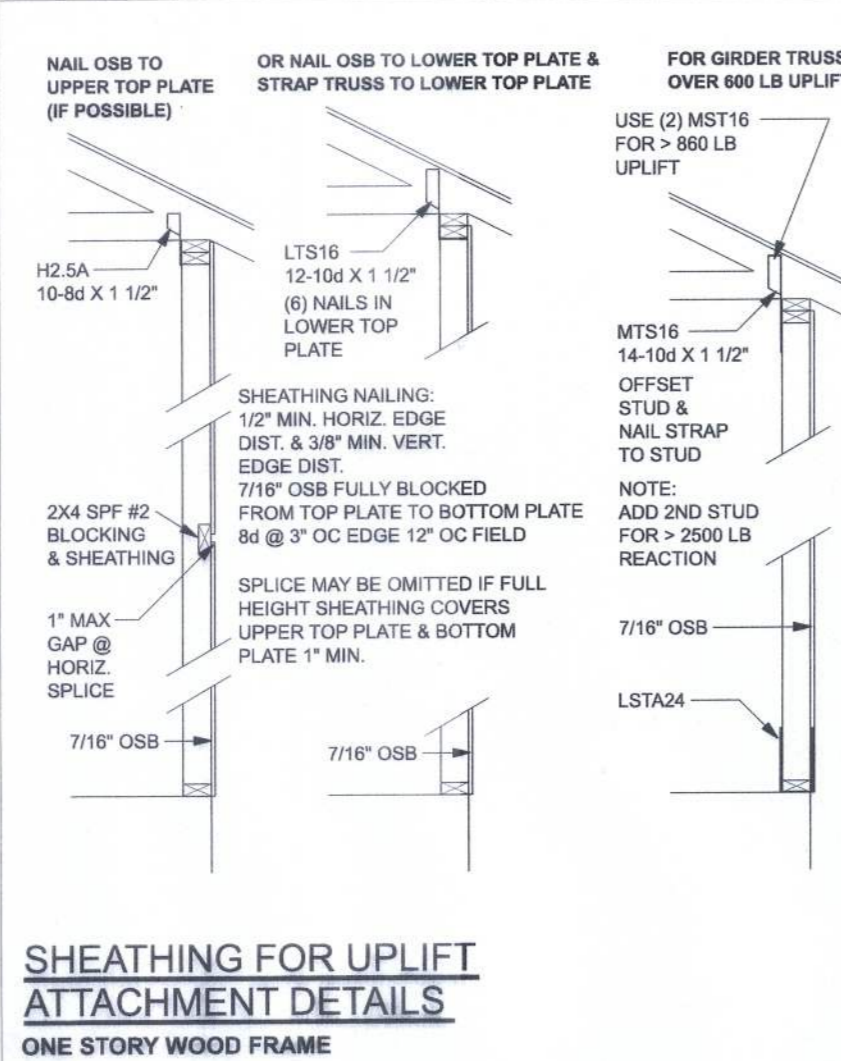
131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

2X FULL HEIGHT STUDS (TYP.)



SHEATHING FOR UPLIFT ATTACHMENT DETAILS
ONE STORY WOOD FRAME

2X4 OUTLOOKERS @ 24" OC ATTACH TO TRUSS

(4) 131x3 1/4" TOE NAILS

H3 EACH OUTLOOKER

ROOF SHEATHING

TRUSS

PLATE NAILED TO TRUSS BOTTOM CHORD w/ 131x3 1/4" @ 6" OC

EXTERIOR SHEATHING

STUDS MUST BE CONTINUOUS BETWEEN POINTS OF LATERAL SUPPORT SEE STUD TABLE

2X4X8" RAIL RUN EACH CONNECTION (4) 131x3 1/4" NAILS

(4) 131x3 1/4" NAILS

(8) 131x3 1/4" NAILS

2X4 SPF#2 BLOCKING

H3 INSTALLED HORIZONTALLY

(TYP.) GABLE WALL w/ VAULTED CEILING
WOOD FRAME

SEE "STRUCTURAL PLAN NOTES" FOR (1) N.O. STAIRING, ALL OTHER STRAPPING LESS OR MORE IS NOTED ON STRUCTURAL PLANS.

NOT REQUIRED UNLESS CALLED OUT ON STRUCTURAL PLAN

131x3 1/4" TOE NAIL OR BACK NAIL THRU KING STUD INTO HEADER

SHEATHING MUST BE NAILED TO TOP PLATES w/ 6d 3" OC (NAILING MAY BE STAGGERED) & SHEATHING NAIL TO HEADER w/ (2) ROWS OF 6d @ 6" OC

ALL HEADER JACK & KING STUDS SHALL BE FASTENED TO EACH OTHER w/ (2) ROWS 10d @ 6" OC STAGGERED

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2x6 = (6) 131x3 1/4" 3.25" NAILS

CRIPPLES IF REQUIRED

15' MIN.

12" GWB UNBLOCKED 5d COOLER NAILS 7" OC EDGE 10" OC FIELD

2X FULL HEIGHT STUDS (TYP.)

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

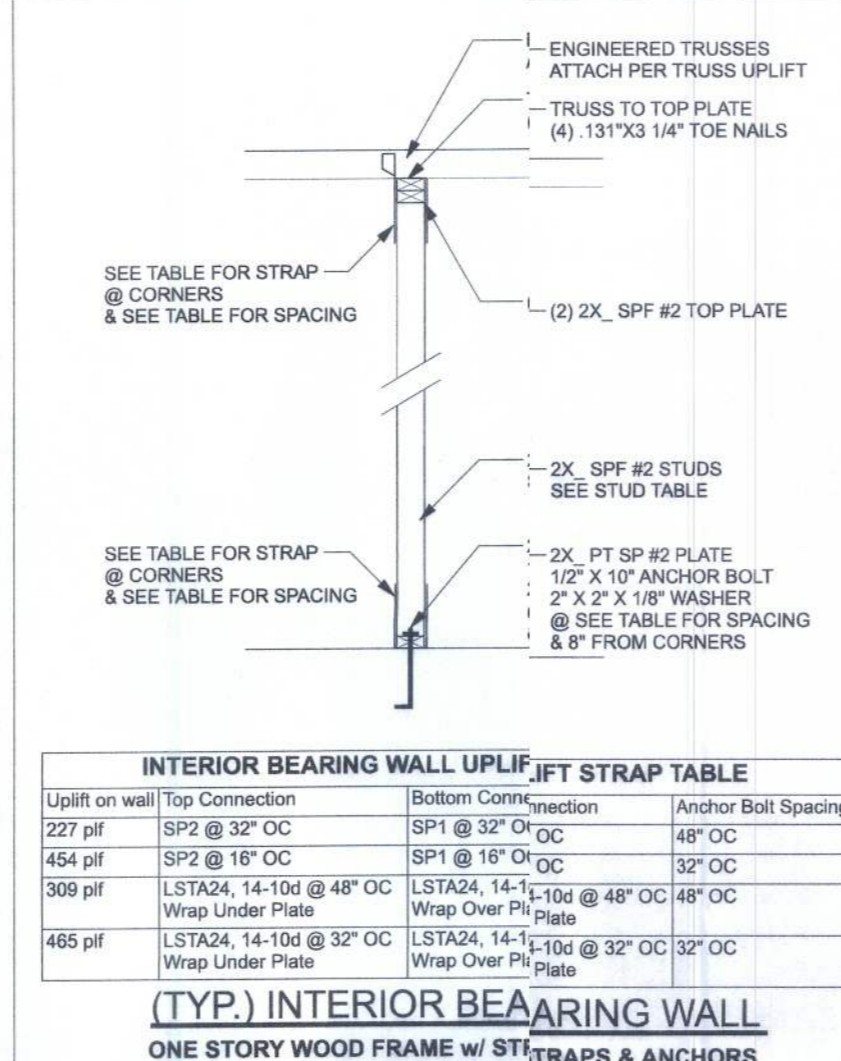
8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES



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

ENGINEERED TRUSSES ATTACH PER TRUSS UPLIFT

TRUSS TO TOP PLATE

(4) 131x3 1/4" TOE NAILS

(2) 2X SPF #2 TOP PLATE

SEE TABLE FOR STRAP @ CORNERS & SEE TABLE FOR SPACING

2X SPF #2 STUDS SEE STUD TABLE

2X PT SP #2 PLATE 12" X 10" ANCHOR BOLT 3" X 3" X 1/4" WASHER

SEE TABLE FOR SPACING @ CORNERS

7/16" OSB

LSTA24

INTERIOR BEARING WALL UPLIFT STRAP TABLE

Uplift on wall Top Connection Bottom Connection Anchor Bolt Spacing

227 pfl SP2 @ 32" OC SP1 @ 32" OC 48" OC

454 pfl SP2 @ 16" OC SP1 @ 16" OC 32" OC

308 pfl LSTA24, 14-10d @ 48" OC Wrap Under Plate LSTA24, 14-10d @ 48" OC 48" OC

465 pfl LSTA24, 14-10d @ 32" OC Wrap Under Plate LSTA24, 14-10d @ 32" OC 32" OC

(TYP.) PORCH POST ONE STORY WOOD

OPTION: 1 (BUCKET)

OPTION: 2 (POCKETED)

NOTE: IF TRUSS TO BEAM STRAPS ARE NAILED TO BEAM LSTA24 ARE NOT REQUIRED

BEAM TO BEAR ON (2) 2X SPF#2 JACKS

(DROPPED BEAM)

LSTA24, 14-10d WRAP UNDER PLATE

2X PT SP #2 PLATE 12" X 10" ANCHOR BOLT 3" X 3" X 1/4" WASHER WITHIN 3" OF STUD PACK

STUD PACK UNDER POINT LOAD NAIL EACH PLY w/ 131x3 1/4" 3.25" NAILS @ 8" OC STAGGERED

ALLOWABLE UPLIFT: 1330 LB

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

TOP PLATE SPL 48" MIN. SPICELNGTH w/ (16) 131x3 1/4" ILS

NAILING @ TOP PLATE TO STUD END NAIL OR TOE NAIL 131x3 1/4" NAILS

(3) FOR 2X4

(4) FOR 2X6

(5) FOR 2X8

(6) FOR 2X10

MIN. 1/2" ANCHOR WITHIN 8" EACH SIDE OF PLATE JOINT

(TYP.) CORNER FRAMING WOOD FRAME

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB

8d 3" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

131x3 1/4" NAILS 12" OC

OSB



EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS:

THIS STUD HEIGHT TABLE IS PER 2012 WFCM, TABLE 3.2.0B5, EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS FOR WALLS WITH OSB EXTERIOR AND 1/2" GYP 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.)

(1) 2x4 @ 16" OC TO 10'-1" STUD HEIGHT

(1) 2x4 @ 12" OC TO 11'-2" STUD HEIGHT

(1) 2x6 @ 16" OC TO 15'-7" STUD HEIGHT

(1) 2x6 @ 12" OC TO 17'-3" STUD HEIGHT

GRADE & SPECIES TABLE

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

LSL TIMBERSTRAND 1700 1.7

LVL MICROLAM 2950 2.0

PSL PARALAM 2900 2.0

(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 16d NAILS OR (2) ROWS OF 131x3 1/4" GN PER TABLE BELOW:

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

8'-10' 24" OC 5" OC 5" OC

11'-15' 18" OC 4" OC 4" OC

16'-18' 18" OC 3" OC 3" OC

2X8 SP #2 DOOR BUCK BRACKET

(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

2X8 SP #2 DOOR BUCK BRACKET

(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

2X8 SP #2 DOOR BUCK BRACKET

(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

2X8 SP #2 DOOR BUCK BRACKET

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2X8 SP #2 DOOR BUCK BRACKET

(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

2X8 SP #2 DOOR BUCK BRACKET

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(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

2X8 SP #2 DOOR BUCK BRACKET

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(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

2X8 SP #2 DOOR BUCK BRACKET

(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

2X8 SP #2 DOOR BUCK BRACKET

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FICR 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 MANUFACTURERS DESIGN ENGINEER. IT IS THE BUILDERS RESPONSIBILITY TO VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER 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 410LB EACH END, 2X8 RAFTERS 700 LB EACH END.

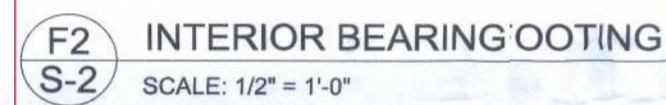
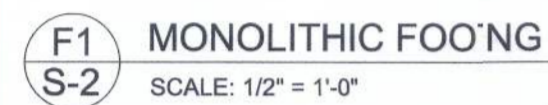
SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN.

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, F_c = 2500 PSI.

WELDED WIRE REINFORCED SLAB: 6" x 6" W14 x W14, FB = 85KSI. 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 3'.

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 MANUFACTURERS RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE



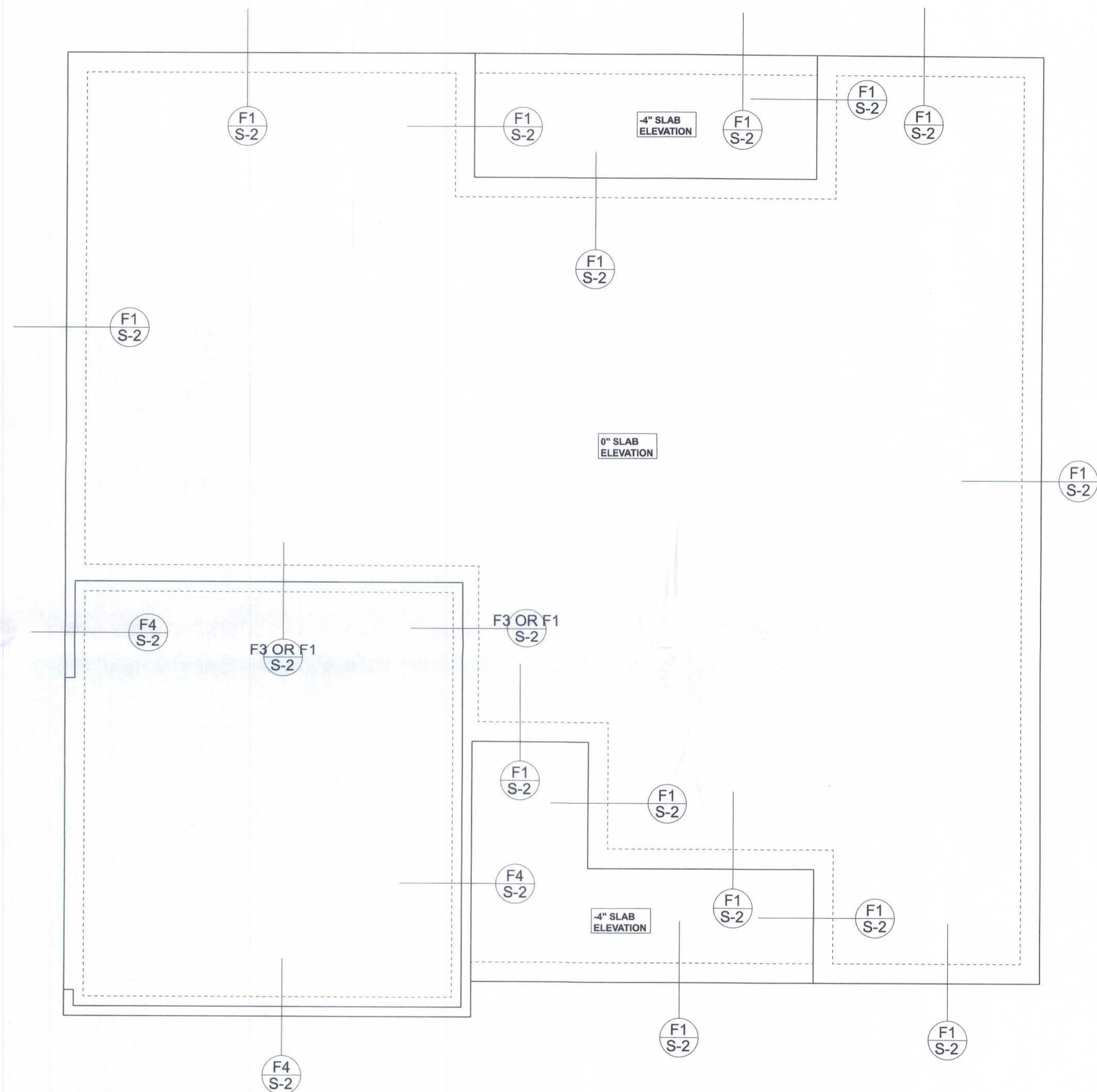
TALL STEM WALL TABLE:

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 below 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 Duxwall lateral reinforcement at 16" O.C. vertically or a horizontal bond beam with 2 continuous mid height bars. For larger 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 STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (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
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:	
CONTRACTOR TO CONSTRUCT AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530-1-02) (ACI 530-1-02) 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.	
	<div> <div>ACI530-1-02 Section</div> <div>Specific Requirements</div> </div>
1.4A Compressive strength	8" block bearing walls, $F_m = 1500$ psi
2.1 Mortar	ASTM C-270, Type N, LARG
2.2 Grout	block casting, admittances require approval
2.3 CMU standard	ASTM C 90-02: Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12"x16" solid surface block
2.3 Clay brick standard	ASTM C 216-02: Grade SW, Type FBS, 5 5/8"x7 5/8"x11 5/8"
2.4 Reinforcing bars, C# - #11	ASTM 615, Grade 60, $F_y = 40$ ksi, Lap 48" and 48 bar dia.
2.4F Coating for corrosion protection	Anchors, steel metal lugs completely embedded in mortar or grout; ASTM A525, Class DB, 0.50 mils min. 3045SS
2.4F Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, steel metal lugs not completely embedded in mortar or grout; ASTM A153, Class B2, 1.50 mils min. 3045SS
3.3.2 Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.7 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



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, CHIMNEYS, ETC. ARE THE RESPONSIBILITY OF THE OWNER OR MARK DISOWSAY. PE IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
FN - 2	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING WALLS OR AREAS BY REQUESTING FOR TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
FN - 3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ Ø6X-14/4 WELDED WIRE MESH PLACED ON CHAIR. 6" MIN. DEPTH OR 6" MIN. DEPTH FOR CONCRETE ON MILL POLY TAPE OVER TERMITRE-TREATED & COMPACTED FILL. ANY OTHER METHOD OF TERMITRE-TREATED TERMITRE-TREATMENT METHOD CAN BE USED (SEE INSTEAD).

Cornerstone Development

1730 Spec - Lot 92 Emerald Cove

PROJECT ADDRESS:
Lot 92 Emerald Cove
Columbia County, FL

DIMENSIONS:
Stated dimensions.
dimensions. Ref
Mark Disosway,

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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.

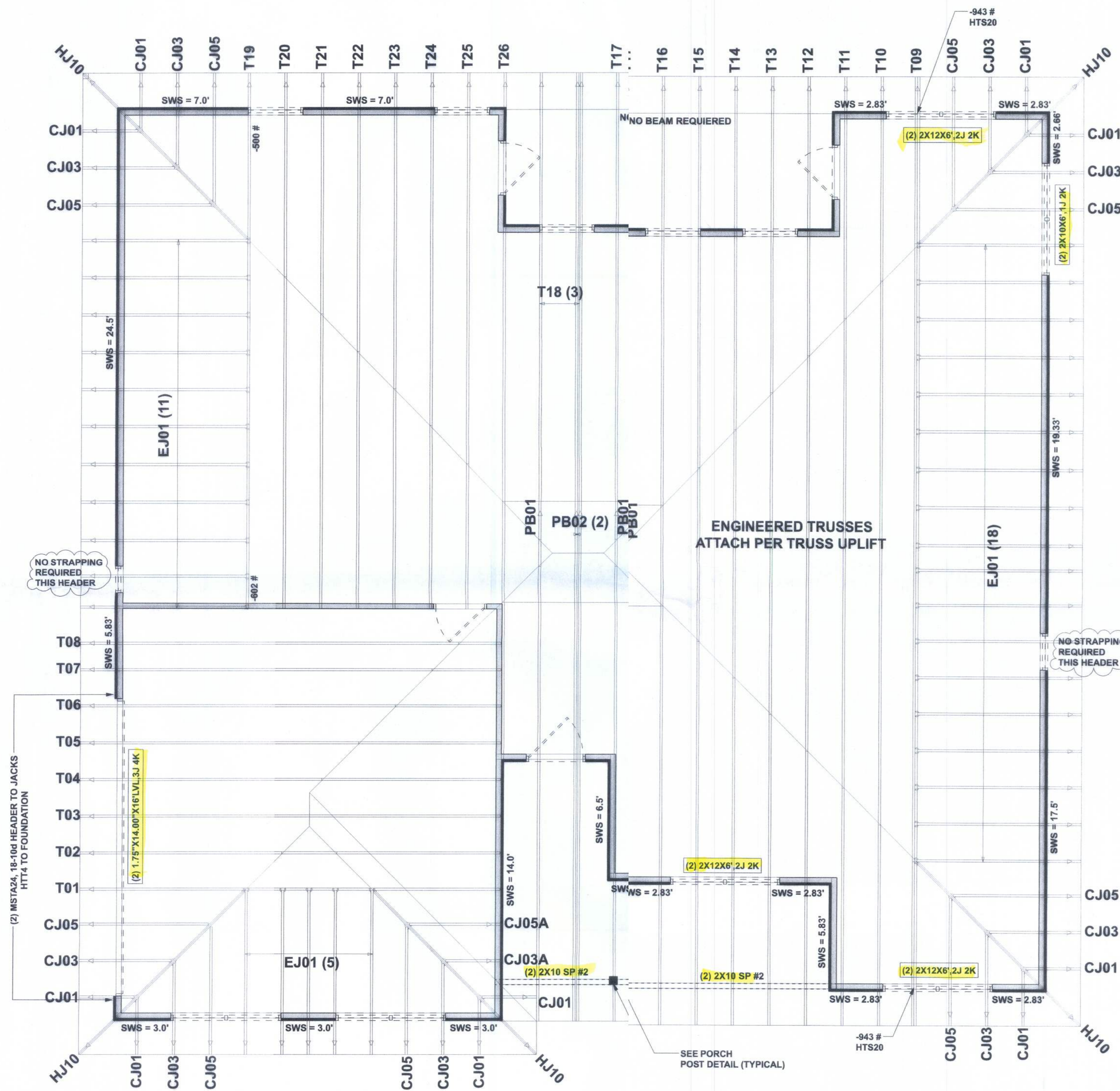
MARK DSOSWAY P.E. 53915



Mark Disosway P.E.
163 SWMidtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOBNUMBER:
210344

S-2
OF 3 SHEETS

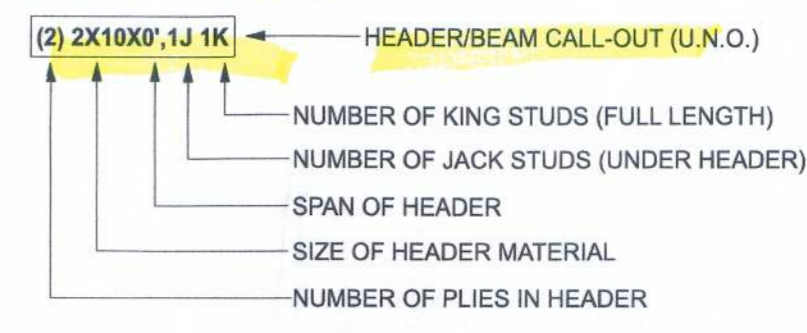


STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 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 ALL HEADERS w/ UPLIFT TO BE STRAPPED DOWN @ EACH SIDE WITH (1) LSTA24, 14-10d @ TOP & BOTTOM OF WALL 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.)
- SN-4 USE ONE JACK STUD GIRDER SUPPORT PER 2500 LB LOAD
- SN-5 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-6 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI-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	28845 LBF	11994 LBF
REQUIRED	10302 LBF	9407 LBF

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #2708556

Cornerstone Development

1730 Spec - Lot 92 Emerald Cove

PROJECT ADDRESS:
Lot 92 Emerald Cove
Columbia County, FL

DIMENSIONS:
Stated dimensions supercede scaled dimensions. Ref all questions to Mark Disosway, I.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 3rd Edition Florida Building Code Residential (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
386.754.5419
disoswayesign@gmail.com

JOB NUMBER:
110344

S-3
013 SHEETS