



FRONT ELEVATION

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



REAR ELEVATION

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



RIGHT ELEVATION

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

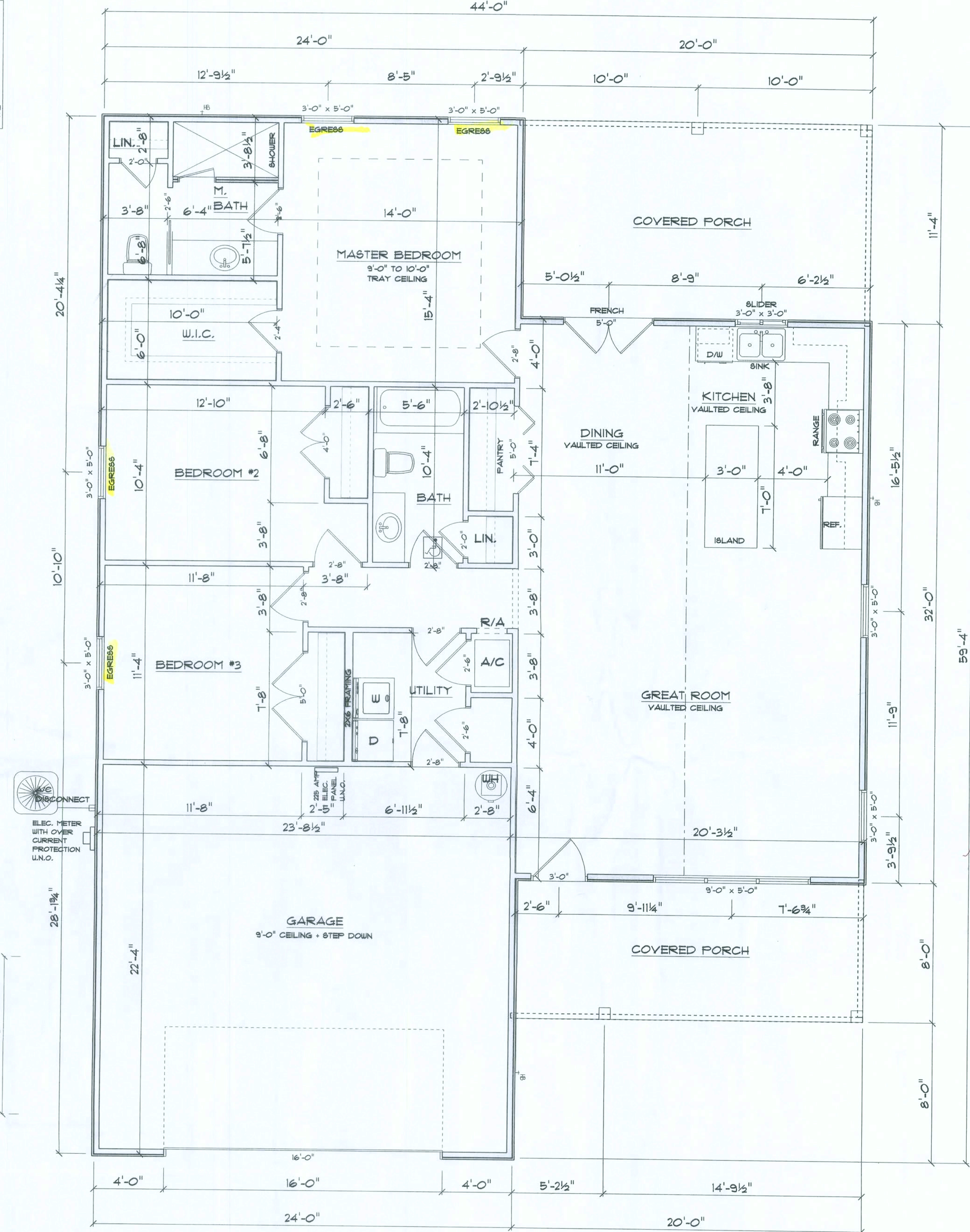


LEFT ELEVATION

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 1 or II vapor retarder is installed on the warm-in-winter side of the ceiling.  
2. At least 40 percent and not more 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 highest point of the space, measured vertically, with the balance of the required ventilation provided by soffit or cornice vents. Where the location of the required members conflicts with the installation of upper ventilators, installation of wall or roof framing members 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 in thickness, 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
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

AREA SCHEDULE	
NAME	AREA
Living	1526.1 sq. ft.
Front Porch	160 sq. ft.
Rear Porch	226.7 sq. ft.
Garage	537.9 sq. ft.
Total	2450.7 sq. ft.



G-N Construction

Spec House - Lot 33 Fort White Park

PROJECT ADDRESS:  
Lot 33 Fort White Park  
Fort White, FL

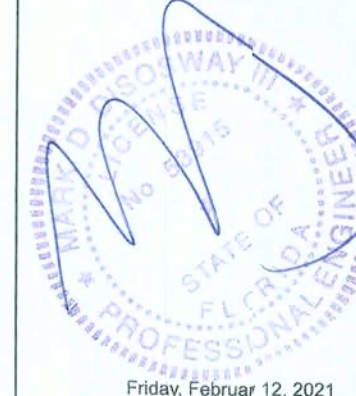
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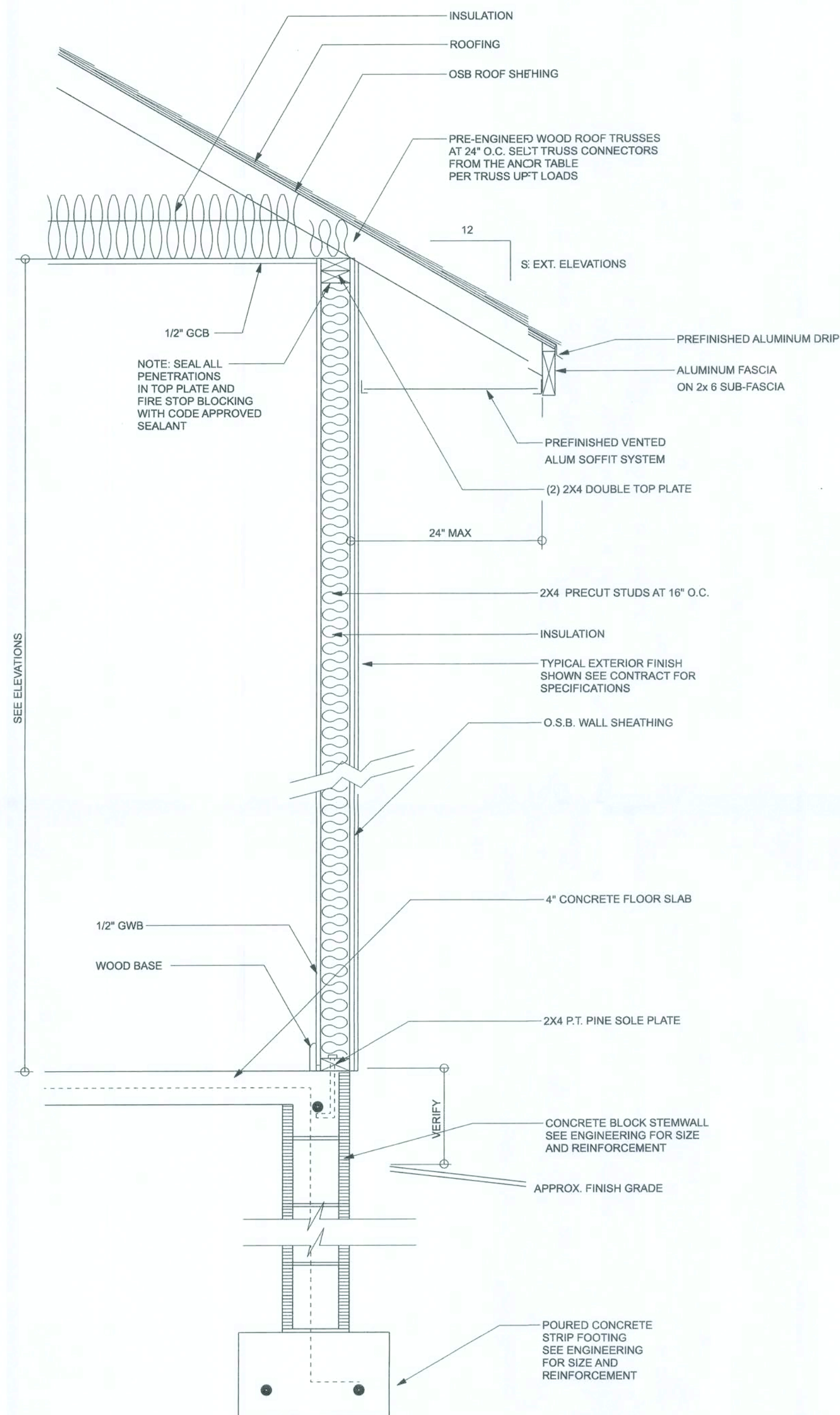
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JOB NUMBER:  
210133

1  
OF 5 SHEETS

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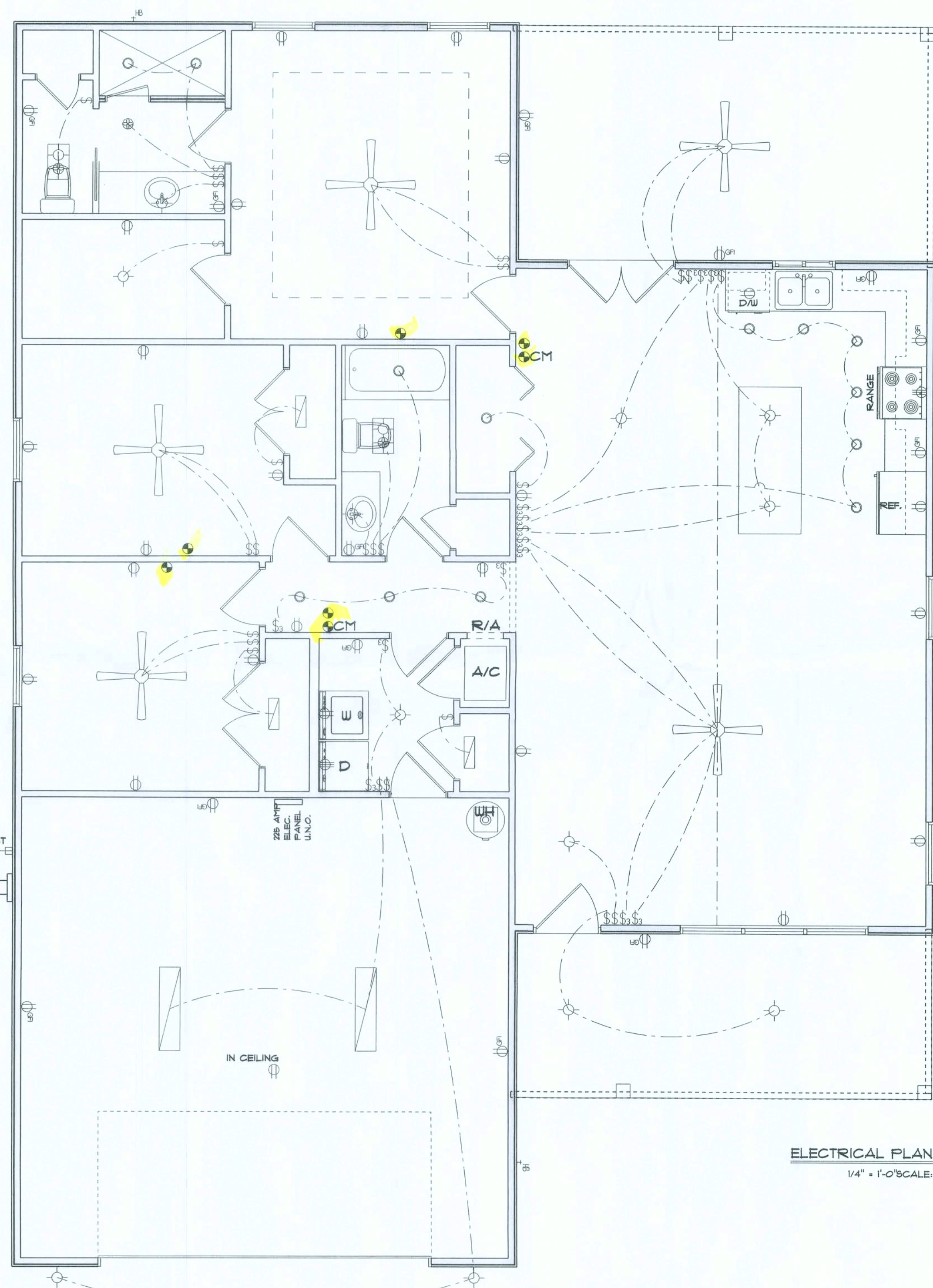
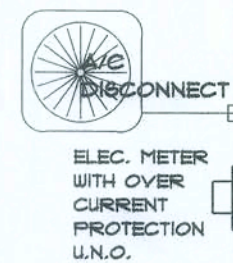


TYPICAL DESIGN WALL SECTION  
NON - STRUCTURAL DATA

SCALE: 1" = 1'-0"

- 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 OWNER'S 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, DEN'S, 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 FBC 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



G-N Construction

Spec House - Lot 33 Fort White Park

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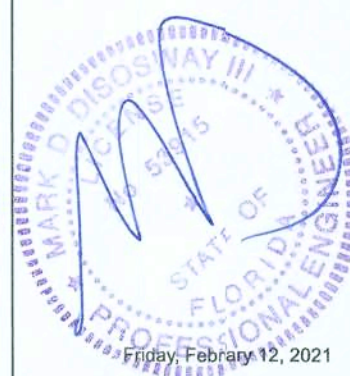
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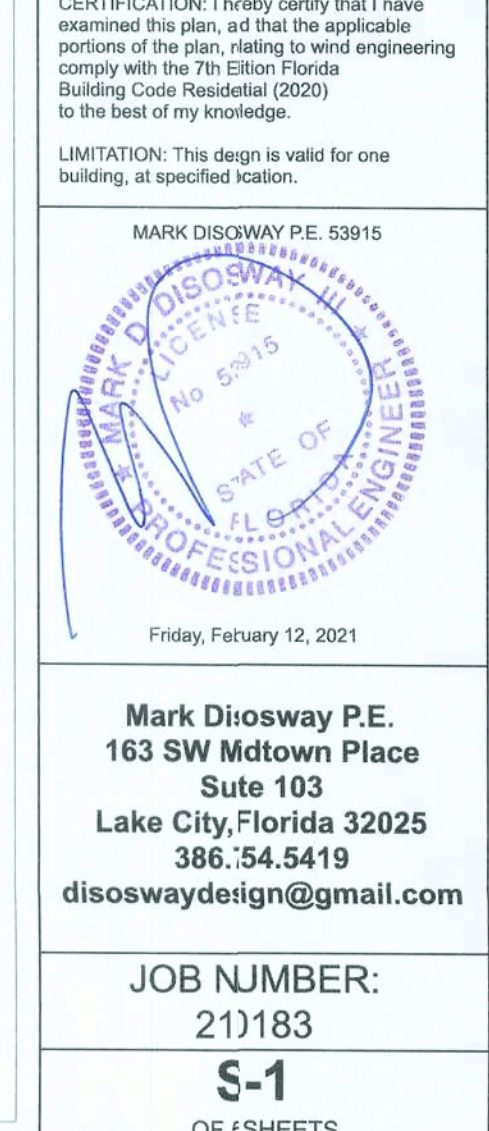


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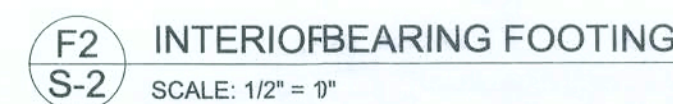
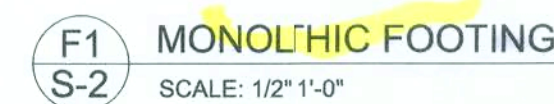
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2  
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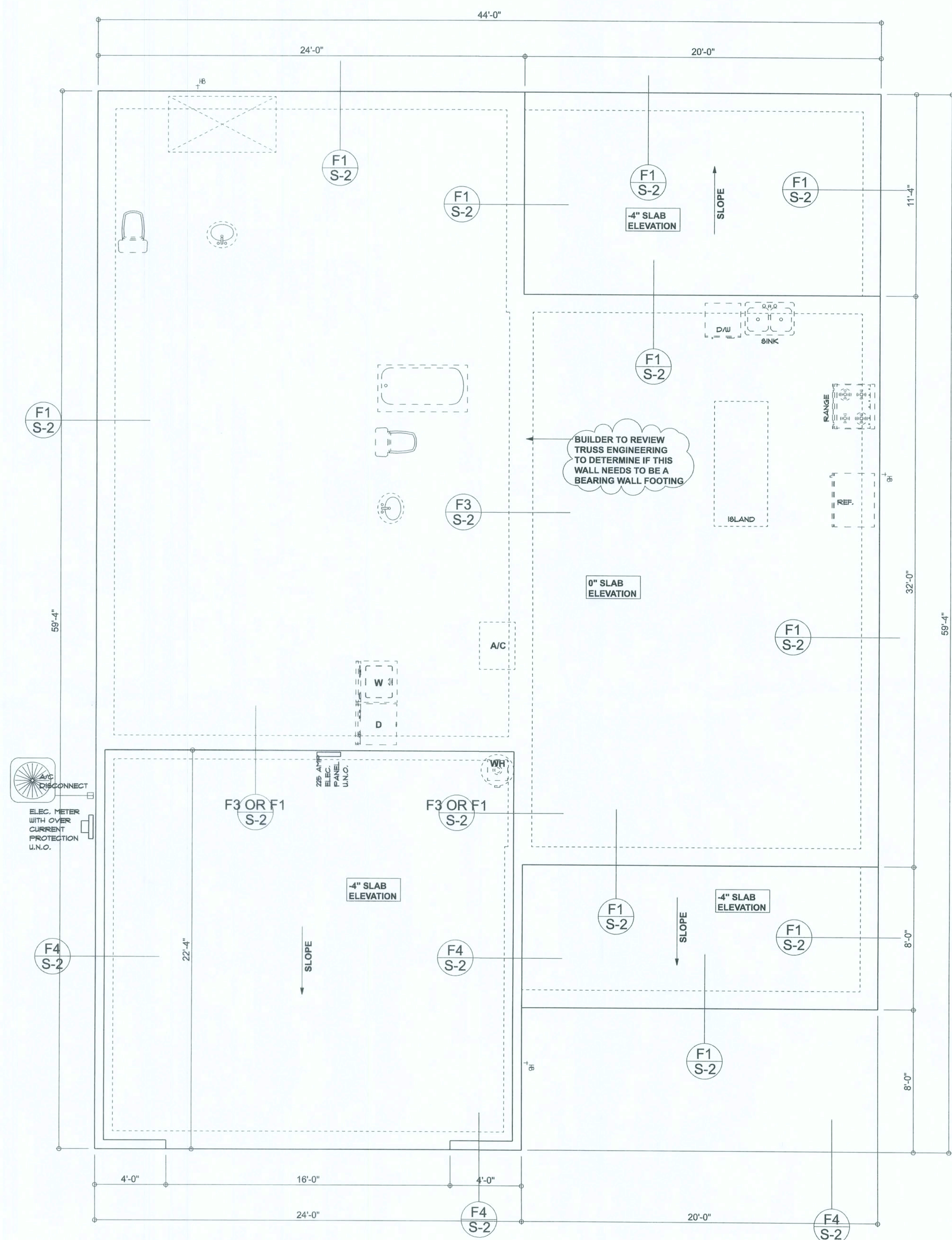
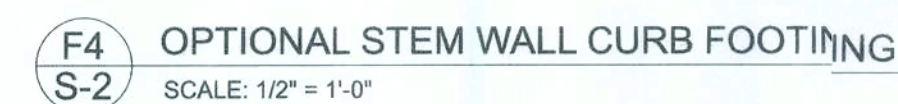
**TALL STEM WALL TABLE:**

The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6"  $\eta_{hook}$  in the footing and bent 24" into the reinforced slab at the top. The vertical steel is  $\kappa_2$  to be placed below the tension side of the CMU wall (away from the soil pressure, within  $\frac{1}{3}$  of the exterior side of the wall). If the wall is over 8' high, add Durowall lateral reinforcement<sub>min</sub> at 16"OC vertically or a Durowall torsion bar with 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	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

<b>MASONRY NOTE:</b>	
<b>MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 308-10) (ASCE 6-05) 602. THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 308-10 AND THESE DESIGN DRAWINGS.</b>	
<b>ANY EXCEPTION TO ACI 308-102 MUST BE APPROVED BY THE ARCHITECT IN WRITING.</b>	
<b>ACI308-1.02 Section</b>	<b>Specific Requirements</b>
1.AA Compressive strength	8" block bearing walls Fm = 1500 psi
2.1 Mortar	ASTM C 270, Type N, UNO
2.2 Grout	ASTM C 479, admixtures require approval
2.3 CMU standard	ASTM C 90-02; Normal weight, Hollow, minimum density, 8"x8"x16" turning bond and 12"x12"x16" or 16"x16" columns block
2.3 Gray brick standard	ASTM C 90-02 Grade SW, Type FBS, 5.7x2.75"x11.0"
2.4 Reinforcing bars, #3 - #11	ASTM A615, Grade 60, Fy >= 40 ksi, Lap splice, 1.33 times bar dia., Q&B #5
2.4F Coating for corrosion protection	Anchors, sheet metal lugs completely embedded in mortar or grout, ASTM A252, Class GHD, 0.010 mil thick, ZN-55 PHASIS
2.4F Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or water, anchors, sheet metal lugs not completely embedded in mortar or grout, ASTM A153, Class BZ, 1.50 mil Zr/O or 3040SS
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 indicated on project drawing.

**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 CONSIDERED DESIGN GAPS OR PART MISDOSSAY. PE IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
FN - 2	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BARRIERS BY REVIEWING ALL EXISTING PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
FN - 3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ Ø6@14/14 WELDED WIRE MESH PLACED ON CHAIRS. MINIMUM DEPTH OF CONCRETE SHALL BE 6" MIN. POLY VAPOR BARRIER W/ 6" LAPS SEaled ON POLY TAPE OVER THERMITE-TREATED & COMPACTED FILL. IF ANY OTHER TYPE OF THERMITE-TREATED METHOD CAN BE USED (INSTEAD).

G-N Construction

Spec House - Lot 33 Fort White Park

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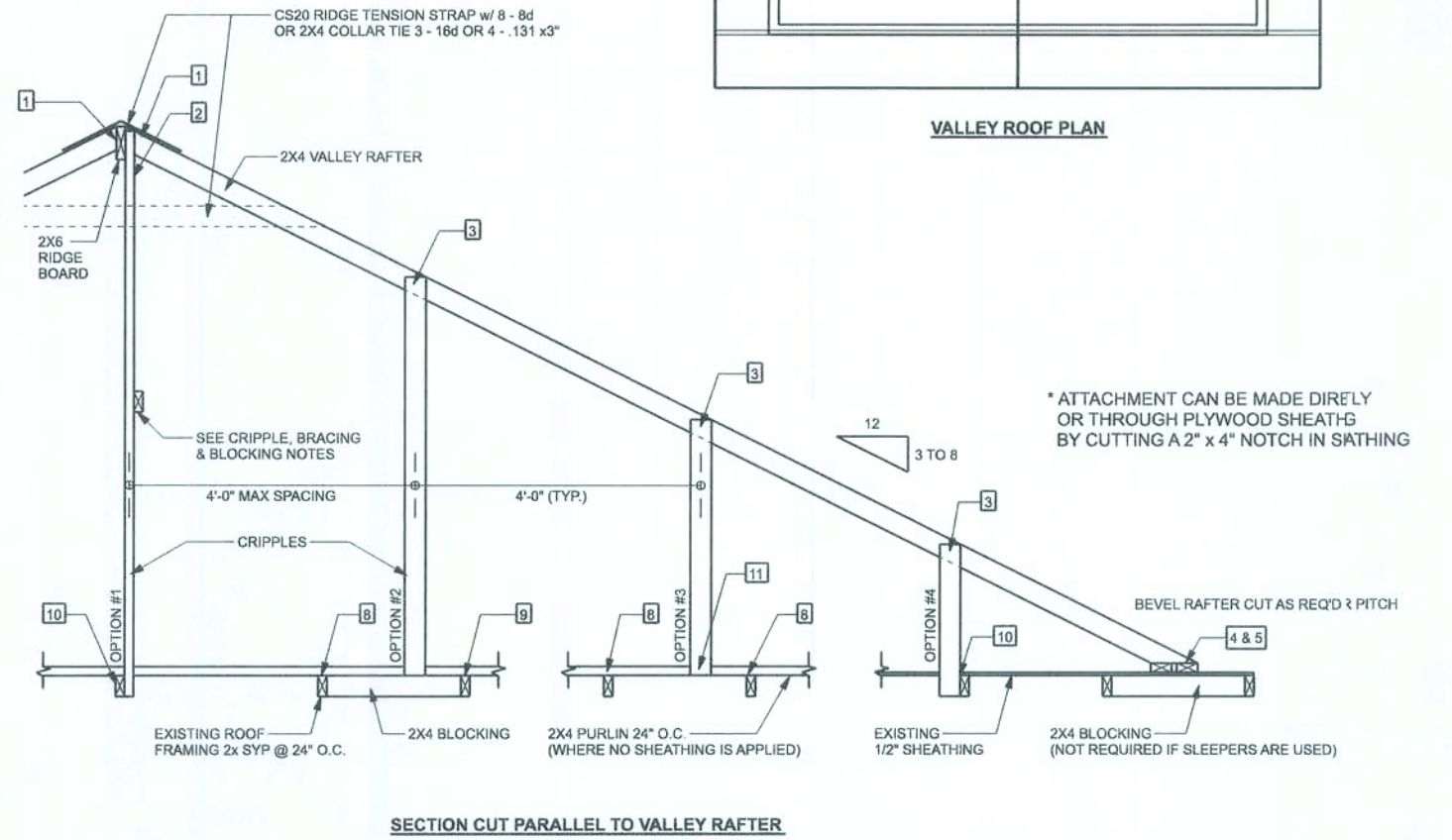
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**S-2**  
OF 5 SHEETS



# LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

RAFTER SPANS 24" O.C. OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SYP #2
SLEEPERS	2X4 (WIDTH OF RAFTER BEAT OUT) SYP #3 OR 2X4 WALLS 2X4 SYP #3
CRIPPLES & BLOCKING	2X4 SYP #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



ROOF OVER FRAMING & BRACING DETAIL  
SCALE: N.T.S.

## VALLEY ROOF PLAN MEMBER LEGEND

TRUSS	
TRUSS UNDER VALLEY FRAMING	
VALLEY RAFTER OR RIDGE	
CRIPPLE	
CRIPPLES 4" O.C. FOR 20 psf (TL) AND 10 psf (TD) (TYP. SHINGLE ROOF) MAX	

## CONNECTION REQUIREMENT NOTES

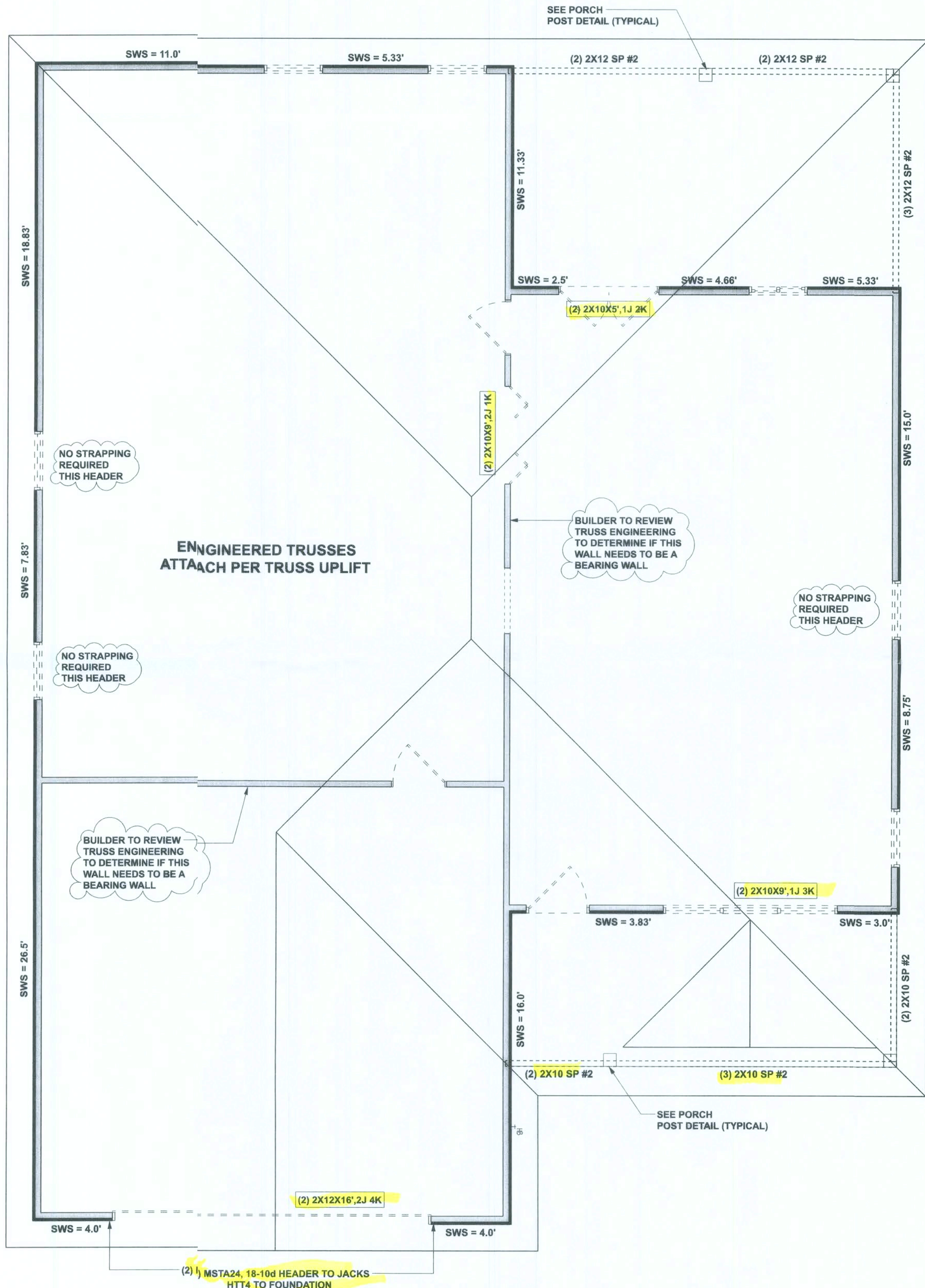
1. 2X4 RAFTERS TO RIDGE	3-16d OR 6-131 x 3" TOE NAILS
2. CRIPPLE TO RIDGE	3-16d OR 6-131 x 3" TOE NAILS
3. CRIPPLE TO RAFTERS	3-16d OR 6-131 x 3" TOE NAILS
4. RAFTER TO SLEEPER OR BLOCKING	6-16d OR 12-131 x 3" TOE NAILS
5. SLEEPER TO TRUSS	4-16d OR 8-131 x 3" TOE NAILS EACH TRUSS
6. RIDGE BOARD TO ROOF BLOCK	3-16d OR 6-131 x 3" TOE NAILS
7. RIDGE BOARD TO TRUSS	3-16d OR 6-131 x 3" TOE NAILS
8. PURLIN TO TRUSS (TYP.)	3-16d OR 6-131 x 3" TOE NAILS
9. PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	4-16d OR 8-131 x 3" TOE NAILS
10. TRUSS TO BLOCKING	3-16d OR 6-131 x 3" TOE NAILS
11. CRIPPLE TO PURLIN	3-16d OR 6-131 x 3" TOE NAILS

## GENERAL NOTES

MAXIMUM RAFTER SPANS:  
16'0" FOR 2X4 SYP #2 OR SYP #2 OR SYP #2  
MAXIMUM ROOF AREA PER SUPPORT:  
1600 SQ. FT. FOR 2X4 SYP #2 OR SYP #2 (EXAMPLE: 4" O.C. X 4" O.C. SPAN)  
PURLIN REQUIRED 24" O.C. IF EXISTING SHEATHING IS REMOVED.  
PURLINS SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM.  
IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING A MINIMUM OF 6" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 8-16d COMMON WIRE NAILS.  
THIS DRAWING APPLIES TO WALLS WITH THE FOLLOWING CONDITIONS:  
- SPAN DISTANCES BETWEEN HEADS 16'0" OR LESS  
- MAXIMUM VALLEY HEIGHT 14'0" OR LESS  
- MAXIMUM WIND SPEED: 130 MPH  
- MAXIMUM MEAN ROOF PITCH: 30 FEET  
- MAXIMUM TOTAL LOADING: 40 psf  
- MEETS IRC/ASCE 7-16 WIND REQUIREMENTS  
- EXPOSURE CATEGORY "C", 1 + 1.5, Kd = 1.0  
- ENCLOSED BUILDING

## CRIPPLE, BRACING, & BLOCKING NOTES

2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 6'0" TO 10'0" LONG.  
NAILS TO CLB: 16d NAILS OR 2X4 1" OR 2X4 BRACE NAILS TO FLAT EDGE OF CRIPPLE.  
WITH 16d NAILS 8" O.C. 1" OR 2X4 MUST BE 80% OF CRIPPLE LENGTH. CRIPPLES OVER 10'0" LONG REQUIRE TWO CLB OR BOTH FACES 1" OR 2X4. USE STEEL BRACE LUMBER BACK ON COMMON NAIL.  
- NARROW EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER.  
- AS LONG AS THE PROPER NUMBER OF NAILS ARE:  
- INSTALLED INTO RIDGE BOARD.  
- INSTALL BLOCKING UNDER RAFTER IF SLEEPERS ARE NOT USED.  
- INSTALL BLOCKING UNDER CRIPPLES IF CRIPPLES FALL BETWEEN LOWER TRUSS TOP CHORDS AND LATERAL BRACING IS NOT USED.  
- APPLY ALL NAILING IN ACCORDANCE TO NDS-1897 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.



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

(2) 2X10X9', 1J 1K	HEADER/BEAM CALL-OUT (U.N.O.)
↑	NUMBER OF KING STUDS (FULL LENGTH)
↑	NUMBER OF JACK STUDS (UNDER HEADER)
↑	SPAN OF HEADER
↑	SIZE OF HEADER MATERIAL
↑	NUMBER OF PLIES IN HEADER

## ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	17460 LBF	25017 LBF
REQUIRED	12962 LBF	8693 LBF

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S-3  
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