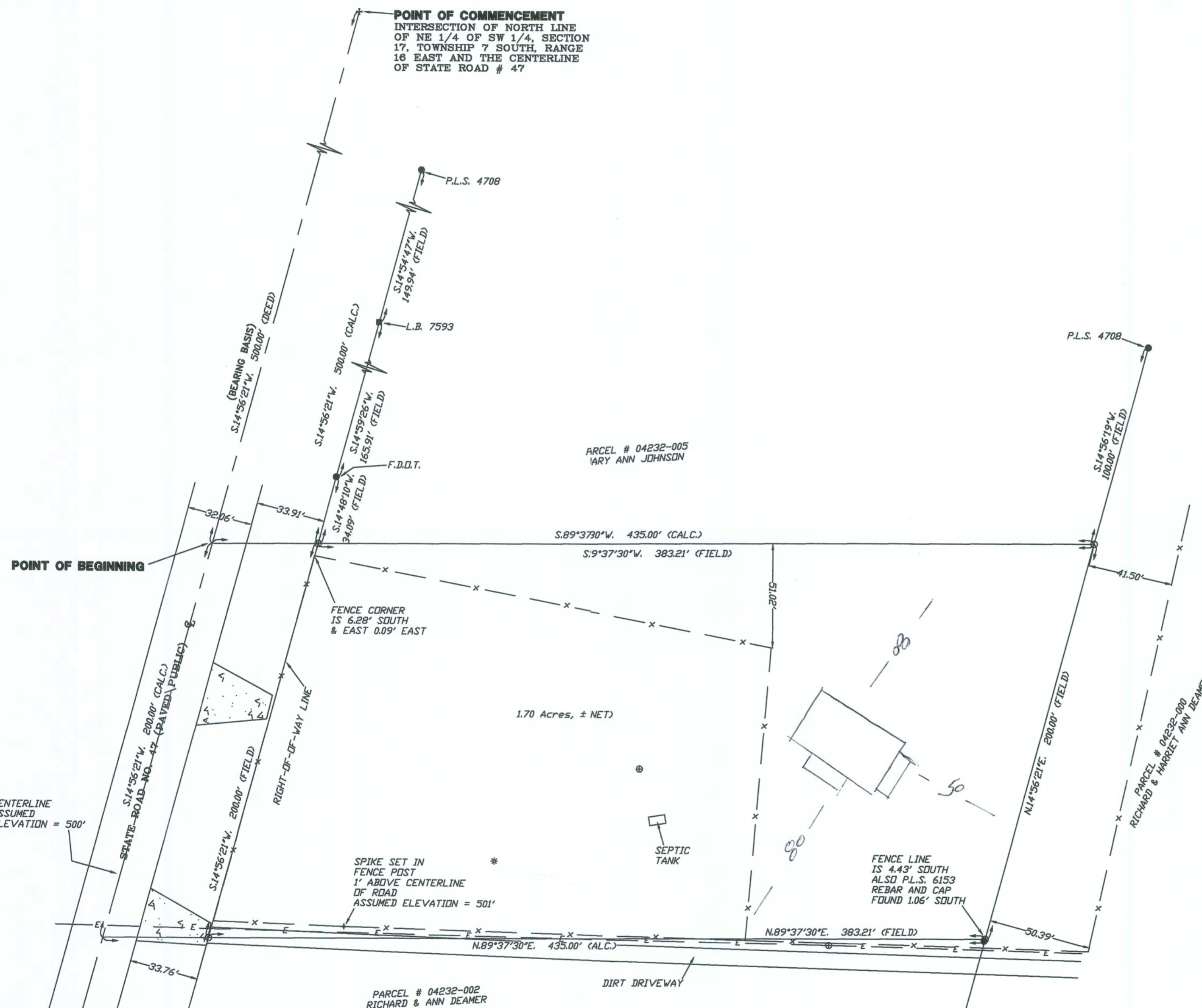
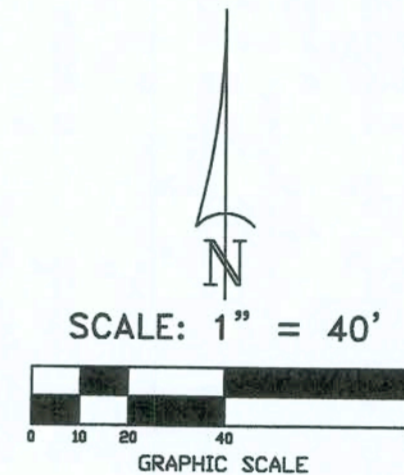


A BOUNDARY SURVEY IN SECTION 17, TOWNSHIP 7 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

SYMBOL LEGEND:

■	4"x4" CONCRETE MONUMENT FOUND
□	4"x4" CONCRETE MONUMENT SET
●	IRON PIPE FOUND
○	IRON PIN AND CAP SET
✱	"X" CUT IN PAVEMENT
+	CALCULATED PROPERTY CORNER
⊙	POWER POLE
⊕	FENCE POST
▲	WATER METER
⊗	UTILITY BOX
⊛	WELL
⊙	SANITARY MANHOLE
—	CENTERLINE
- - -	SECTION LINE
- - -	ELECTRIC LINES
- - -	WIRE FENCE
- - -	CHAIN LINK FENCE
- - -	WOODEN FENCE
(PLAT)	AS PER A PLAT OF RECORD
(DEED)	AS PER A DEED OF RECORD
(CALC.)	AS PER CALCULATIONS
(FIELD)	AS PER FIELD MEASUREMENTS
P.R.M.	PERMANENT REFERENCE MARKER
P.C.P.	PERMANENT CONTROL POINT



DESCRIPTION:
COMMENCE AT THE INTERSECTION OF THE NORTH LINE OF THE NE 1/4 OF THE SW 1/4 OF SECTION 17, TOWNSHIP 7 SOUTH, RANGE 16 EAST, AND THE CENTER LINE OF SR # 47; RUN THENCE S.14°56'21"W., ALONG CENTER LINE OF SR # 47 500.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S.14°56'21"W., ALONG CENTER LINE OF SR # 47, 200.00 FEET; THENCE 435.00 FEET EAST TO A POINT; THENCE NORTHEASTERLY PARALLEL TO THE CENTER LINE OF SR # 47 200.00 FEET TO A POINT; THENCE WEST 435.00 FEET TO THE POINT OF BEGINNING, CONTAINING 2.00 ACRES, MORE OR LESS.

SUBJECT TO RIGHT-OF-WAY GRANTED TO THE STATE OF FLORIDA AS RECORDED IN D.R. BOOK 72, PAGES 367/368, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND.
 2. BEARINGS ARE BASED ON A DEED OF RECORD AND THE CENTERLINE OF STATE ROAD NO. 47.
 3. IT IS APPARENT THAT THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 4 FEBRUARY, 2009 FIRM PANEL NUMBER 12023C0488C. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
 4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREIN.
 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREIN.
 6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
 7. DIMENSIONS SHOWN HEREIN ARE IN FEET AND DECIMAL PARTS THEREOF.
 8. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
 9. THE ADJACENT OWNERSHIP INFORMATION AS SHOWN HEREIN IS BASED ON THE COUNTY PROPERTY APPRAISERS GIS SYSTEM, UNLESS OTHERWISE DENOTED.
 10. THE ELEVATIONS SHOWN HEREIN ARE BASED ON ASSUMED DATUM.

CERTIFIED TO:

DDN WILKINSON

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

09/16/19 FIELD SURVEY DATE 09/23/19 DRAWING DATE

L. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE ORIGINAL SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND APPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



BRITT SURVEYING
& MAPPING, LLC

LAND SURVEYORS AND MAPPERS, L.B. # 8016
2086 SW MAIN BLVD, SUITE 112
LAKE CITY, FLORIDA 32025

www.brittsurveying.com
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573

WORK ORDER # L-26069

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STRUCTURAL NOTES 130 MPH

STRUCTURAL NOTES.

FOUNDATION.

SOIL TO BE COMPACTED TO AT LEAST 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM-1557 (MODIFIED PROCTOR)

CAST IN PLACE CONCRETE.

1. ALL CONCRETE SHALL HAVE A MIN. COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI. SLUMP OF 4" PLUS OR MINUS 1" AND HAVE 2 TO 4 % AIR ENTRAINMENT AND A MAX. WATER / CEMENT RATIO OF 0.58

2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM-615 GRADE 40.

3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 WWF SHALL BE LAPPED AT LEAST 8", AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 8."

4. HOOKS SHALL BE PROVIDED AT DISCONTINUES ENDS OF ALL TOP BARS OF BEAMS.

5. HORIZONTAL FOOTING BARS SHALL HAVE A 1'0" HOOK LENGH OF CORNER BARS WITH A MIN. 2'0" LAP PROVIDED.

6. MIN. LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE 40 BAR DIAMETERS TYP.

7. CONCRETE COVER MIN 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM.

MASONRY WALL CONST.

1. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MIN.NET COMPRESSIVE STRENGTH OF 1900 PSI (FM= 1500 PSI)

2. MORTAR SHALL BE TYPE "M" OR "S" CONFORMING TO ASM C70

3. ALL REINFORCING STEEL SHALL BE NEW DOMESTICDEFORMD BILLET STEEL CONFORMING TO ASTM-615 GRADE 40

4. COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAX. AGGREGATE SIZE OF 3/8" AND MIN. COMPRESSIVE STRENGTH OF 3000 PSI SLUMP 8"TO 11".

5. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWING WITH THE CELLS FILLED WITH COARSE GOUT.

6. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT MAX. SPACING OF 192 BAR DIAMETERS. REINFORCEMENT SHALL BE PLACED IN CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHER WISE NOTED.

7. REINFORCING STEEL SHALL BE LAPPED A MIN. OF 40 BAR DIAMETER, UNLESS OTHERWISE NOTED ON THE RAWING.

NOTES: 1CF BLOCK WALLS

MAX SLUMP NOT GREATER THAN 6"
MAX AGGREGATED SIZE NOT GREATER THAN 3/4"

HORIZONTAL & VERTICAL WALL REINFORCEMENT SHALL BE PLACED WITHIN MIDDLE THIRD OF THE WALL.

CODES

FLORIDA BUILDING CODES ,2017 EDITION
REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) LATEST EDITION
SPECIFICATIONS FOR STRUCTURAL CONCRETEBUILDING (ACI 301) LATEST EDITION
NATIONAL DESIGN SPECIFICATION FOR WOODCONSTRUCTION LATEST EDITION
APA PLYWOOD DESIGN SPECIFICATION.

LIVE LOADS

ROOF	20PSF
RESIDENTIAL FLOOR, UNLESS OTHERWISE STATED	40 PSF
BALCONIES (100 SQFT OR LESS)	60 PSF
STAIRS	40'SF
LIGHT PARTITIONS (DEAD LOADS), U.N.O	20 PSF

WINDLOADS;(FBS)

THESE DRAWINGS PREPARED USING FB 2017 AND ASCE 7-10

CONCRETE STRENGTH

ALL CONCRETE UNLESS OTHERWISE INICATED	3000PSI
AT 28 DAYS	PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY
	3000PSI

REINFORCING

WIRE WELDED FABRIC SHALL CONFORM TO	ASTM A 185
ALL REINFORCING BARS	ASTM A 615
ALL STIRRUPS AND TIES	ASTM A 615

STRUCTURAL STEEL

ALL BOLTS CAST IN CONCRETE ASTM 3 OR ASTM A307

SHEATHING

ROOF DECKING ; EXTERIOR CDX PLYWOOD OR OSB
WALL SHEATHING ; EXTERIOR CDX LYWOOD OR OSB

SOIL BEARING VALUE

ASSUMED ALLOWABLE SOIL BEARING PESSURE AFTER COMPACTION 2000 PSF
SEE DRAWINGS FOR SPECIAL CGCENTRATED LOADS AS SPECIFIED . IF SOIL CONDITION IN THIS PROJECT DONT MEET OR EXCEED THE CAPACITY THE CONTRACTOR WILL CONTACT AN ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.
SOIL TO BE COMPACTED TO AT EAST 95% OF MAX DRY DENSITY AS DETERMINED BY ASTM-1557 (MODIFIED PROCTOR)

WOOD CONSTRUCTION

1. WOOD CONST. SHALL CONFORM TO THE NFPA " NATIONAL DESIGN SPECIFICATION FOR WOOD CONST" LATEST EDITION.

2. ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEARWALLS AND MISC. STRUCTURAL WOOD FRAMING MEMBERS (I.E. BLOCKING OR GABLE END BRACING) SHALL BE ETHER SOUTHERN PINE OR S.P.F. NUMBER 2 GRADE OR BETTER SHALL BE USED REGARDLESS OF SPECIES.

PREFABRICATE WOOD TRUSSES

1. ALL PREFABRICATE TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS.

2. PREFABRICATE WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NFPA.

3. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAX. ALLOWABLE STRESS INCREASE FOR A LOAD DURATION OF 25%) TO WITH STAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOADS.

4. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE REQUIRED BY THE TRUSS MANF. UNLESS NOTED ON THE PLANS.

5. TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY. WEB MEMBERS ARE NOT SHOWN BUT WILL BE DESIGNED BY THE TRUSS MANF.

6. DESIGN SPECIFICATION FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.

7. PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANF. IN ACCORDANCE WITH SPECIFIED LOADS AND GOVERNING CODES. SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS LOCATIONS, PERMANENT BRACING AND /OR BRIDGING AS REQUIRED FOR ERECTION AND FOR THE PERMANENT STRUCTURE. EACH SUBMITTAL SHALL BE SIGNED AND SEALED BY FLORIDA REGISTERED PROFESSIONAL ENGINEER. SUBMIT 3 COPIES FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. ONE SIGNED AND SEALED COPY OF TRUSS ENGINEERING SUBMITTAL TO BE SENT TO THE STRUCTURAL ENGINEER PRIOR TO FABRICATION . FOR VERIFICATION OF LOADS AND CONNECTORS SPECIFIED ON DRAWING.

8. THE TRUSS MANF. SHALL DETERMINE ALL SPANS WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS HANGERS.

UPLIFT CONNECTORS

1. UPLIFT CONNECTIONS SUCH AS HURRICANE CLIPS , TRUSS ANCHORS AND ANCHOR BOLTS ARE ONLY REQUIRED ON MEMBERS IN WALL THAT ARE EXPOSED TO UPLIFT FORCES .
INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS MAY NOT NEED TO HAVE CONNECTORS APPLIED. CONSULT THE TRUSS MANF. FOR THE LOCATION OF THESE WALLS.

FIELD REPAIR NOTES

1. MISSED LINTEL STRAPS FOR MASONRY CONST. MAY BE SUBSTITUTED WITH (1) SIMPSON MTH16 TWIST STRAP WITH (4) 1/4" X 2 1/4" DIAM. TAPCONS THE BOND BEAM BLOCK AND (7) 10D TO THE TRUSS FOR UPLIFT OF 860 LBS. OR LESS USE (2) FOR 1720 LBS. OR LESS OTHER MAY BE SUBSTITUTED ON CASE BY CASE BASES.

2. MISSED J-BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED WITH 1/2" DIAM. ANCHOR BOLTS SET IN 3/4" DIAM.X 6" DEEP UNITEX PROPOXY 300 ADHESIVE BINDER FOLLOWING ALL MANF. RECOMMENDATIONS (OR 1/2"x6" RAWL STUD EXPANSION ANCHOR)

3. DRILL 3/4" DIAM. HOLE 6" DEEP AT THE LOCATION OF MISSING REBAR , AND INSTALL 32" LONG #5 REBAR INTO EPOXY FILLED HOLE USE A 2 PART EMBEDDMENT EPOXY (SIMPSON EPOXY TIE SET OR HILTI 2 PART EMBEDDMENT EPOXY) MIXED AS PER MANF. INSTRUCTIONS ASSURE ALL DUST AND DEBRIS FROM DRILLING IS REMOVED FROM THE HOLE USING COMPRESSED AIR BEFORE APPLYING EPOXY TO HOLE. ALLOW THE EPOXY TO CURE ACCORDING TO MANF. RECOMMENDATION. THEN FILL CELL IN THE NORMAL WAY DURING POUR

4. HURRICANE STRAPS MAY BE SUBSTITUTED WITH A STRAP OF GREATER HOLD DOWN VALUE OR GREATER UPLIFT VALUE IN THE FIELD WITHOUT VERIFICATION PROVIDED ALL MANF. INSTALLATION INSTRUCTIONS WERE FOLLOWED.

5. FOR MORTAR JOINTS LESS THAN 1/4" PROVIDE (1) #5 REBAR VERT. IN CONC. FILLED CELL EACH SIDE OF JOINT (BAR DOESN'T HAVE TO BE CONT. TO FOOTING).

NOTE: THE CAPACITIES OF THE TRUSS CONNECTORS SPECIFIED SHALL BE VERIFIED BY THE CONTRACTOR TO EXCEED THE LOADS IN THE SIGNED AND SEALED TRUSS ENGINEERING SUBMITTAL

COORDINATION BETWEEN BUILDING STRUCTURAL ENGINEER AND TRUSS ENGINEER/FABRICATOR
THE DESIGN LOADS FOR THE SUPPORTING SUBSTRUCTURE (BEARING WALLS, JACKS STUDS UNDER HEADERS AND GIRDERS TRUSSES, PORCH HEADER BEAMS, ETC) RESULTING FROM THE ROOF LOADS ARE DEPENDENT ON THE TRUSS MANUFACTURE'S FINAL LAYOUT AND DESIGN. THEREFORE, THE STRUCTURAL ENGINEER-OF-RECORD SHALL BE PROVIDED WITH A SIGNED/SEALED SET OF THE TRUSS ENGINEERING PACKAGE PRIOR TO THE APPLICATION FOR A BUILDING PERMIT BY THE OWNER/ CONTRACTOR, IN ORDER TO ALLOW THE STRUCTURAL ENGINEER-OF-RECORD TO VERIFY THAT THE SUBSTRUCTURE LOADING CONDITIONS AND DESIGN ARE IN CONFORMANCE AND COMPATIBLE WITH THE TRUSS MANUFACTURE'S FINAL LAYOUT AND DESIGN.

NOTES

- BUILDER TO VERIFY MEASUREMENTS AND DIMENSIONS BEFORE CONST.
- THIS STRUCTURE TO BE BUILT IN ACCORDANCE WITH 2017 FLORIDA BUILDING CODE
- ANY DEFECTS OR ERRORS FOUND ON THESE PLANS /AFTER THE START OR CONSTRUCTION BECOME THE SOLE RESPONSIBILITY OF THE BUILDER
- TRUSS MANF. TO ENGINEER TRUSSES TO WITH STAND 130 MPH WIND ZONE WITH 2017 FLORIDA BUILING CODE
- GRADE REQUIREMENTS MAY VARY ACCORDING TO SOIL CONDITION
- WINDOWS TO BE INSTALLED TO MANF. SPECS. TO MEET WIND LOADS AS PER 2017 BUILDING CODE.

WIND LOAD INFORMATION (FLORIDA BUILDING CODE SECTION 1603.1.4)

ULTIMATE DESIGN WIND SPEED (V ult)	130 mph
NONMINAL DESIGN WIND SPEED (V asd)	101 mph
RISK CATEGORY	II
WIND EXPOSURE	C
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18

COMPONENTS AND CLADDING PRESSURES

ROOF COMPONENT AREA	INTERIOR ZONE	EDGE ZONE	CORNER ZONE
10sf	22.6/-35.6	22.6/-62.4	22.6/-92.4
20sf	20.6/-34.8	20.6/-57.5	20.6/-86.4
50sf	17.9/-33.5	17.9/-50.8	17.9/-78.4
100sf	16.0/-32.5	16.0/-45.9	16.0/-72.5
150sf	16.0/-32.5	16.0/-45.9	16.0/-72.5
WALL COMPONENT AREA	INTERIOR ZONE	END ZONE	
10 SF	39.2/-42.6	39.2/-52.5	
20 SF	37.4/-40.8	37.4/-49.0	
50 SF	35.1/-38.4	35.1/-44.3	
100 SF	33.4/-36.6	33.4/-40.8	
150 SF	32.9/-36.1	32.9/-39.7	

NOTE: THIS TABLE APPLICABLE FOR ROOF SLOPES 2:12 TO 6:12

NOTICE TO BUILDER

IT IS THE INTENT OF THIS DESIGNER THAT THESE PLANS ARE ACCURATE AND ARE CLEAR ENOUGH FOR THE LICENSED CONTRACTOR TO CONSTRUCT THIS PROJECT IN THE EVENT THAT SOMETHING IS UNCLER OR NEEDS CLARIFICATION STOP AND CALL THE DESIGNER LISTED ON THIS PAGE.
IT IS THE RESPONSIBILITY OF THE LICENSED CONTRACTOR THAT IS CONSTRUCTING THIS PROJECT TO REVIEW THESE PLANS BEFORE CONSTRUCTION AND IF NEEDED COORDINATE WITH THE DESIGNER OF ANY CORRECTIONS TO BE MADE BEFORE CONSTRUCTION BEGINS.

GENERAL NOTES

THE FOLLOWING SHALL COMPLY WITH THE F.B.C.

PORCHES AND BALCONIES
SECTION R312

HANDRAILS-SECTION R311 R311.5.6

GUARDRAILS-SECTION R312.2

STAIRS-SECTION R311 R311.5

CHIMNEY & FIREPLACE
SECTION R1001 R1002
SECTION R1003 R1004

EGRESS WINDOWS
SECTION R310 310.1.1

GARAGE SEPARATION
SECTION R309 R309.2

1. ALL OPENINGS SHALL COMPLY WITH F.B.C. WIND LOADS AS STATED BELOW
ATTACHMENT OF WINDOWS , DOORS, SLIDING GLASSDOORS, AND OVER HEAD GARAGE DOORS ARE TO BE DELEGATED TO THE MANF. OF THESE ITEMS
THE MANF. OF THESE ITEMS WILL SUBMIT ATTACHMENTS TO CONTRACTOR OF RECORD FOR REVIEW PRIOR TO INSTALLATION

2. ALL DOORS ARE 6'8" OTHERWISE NOTED

3. ALL SHOWER ENCLOSURES TO BE TEMPERED GLASS

4. ALL WINDOWS WITHIN 24" OF DOORS TO BE TEMPERED GLASS

5. ALL ROOMS TO BE ARC FAULT PROTECTED

6. MUST HAVE SMOKE DETECTORS IN EACH BEDROOM AND OUTSIDE EACH SLEEPING AREA. AND COMBINATION CARBONMONOXIDE AND SMOKE DETECTORS IF GARAGE IS ATTACHED TO HOUSE

7. HVAC MUST PROVIDE BALANCED AIR

8. EGRESS WINDOWS MIN. 24" HIGH BY 20" WIDE BUT MUST HAVE MIN. 5 SQ FT CLEAR OPENING FIRST FLOOR 5.7 SQ FT SECOND FLOOR.

9. HANDRAILS REQUIRED WHEN DECK IS 30" ABOVE GRADE

10. TOP OF HANDRAIL IS TO BE BETWEEN 34" TO 38" ABOVE DECK SPINDLES SPACED WITH 4" OPENING MAX.

11. ALL RECEPCLACES TO TAMPER PROOF PER CODE 406.11

FOUNDATION NOTES

4" THICK SLAB W 6"X6" 10/10 GA W.W.M OVER 6 MIL
VAPOR BARRIER ON TERMITE TREATED, WELL COMPACTED CLEAN FILL

8" C.M.U. STEMWALL W/ (1) #5 REBAR VERTICAL FILLED CELL W/ CONCRETE AT ALL CORNERS AND 6' OC, MAX.

10"X20" CONT. CONCRETE STEMWALL FOOTING W (2) #5 REBAR CONT.

THICKEN EDGE OF MONO SLAB TO 12"X16" W/(2) #5 REBAR CONT.@ PORCHES

THICKEN EDGE OF MONO SLAB TO 12"X20" W / (2) # 5 REBAR CONT.

ELECTRICAL NOTES

1. ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FIN. FLOOR TO CENTER OF BOX TO BE 12"

KITCHEN	44"
BATHROOM	39"
LAUNDRYROOM	36"
WATERPROOF G	12"
GARAGE GEN.	42"
RANGE	2"

2. ALL TRIM PLATES & DEVICES TO BE GANGED , WHERE POSSIBLE

3. ELECTRICAL SWITCHES TO BE AT 42"

4. ELECTRICAL PLAN IS FOR BID ONLY. ALL WORK SHALL BE DONE ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C. BY A LICENSED ELECTRICIAN, WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION & SIZING OF ALL ELECTRICAL WIRING AND ACCESSORIES.

5. SMOKE DETECTORS WILL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE.

6. PROVIDE ARC FAULT INTERRUPTERS IN ALL BEDROOMS AS PER N.E.C.

GREGORY P. RIVERS, PE

1-863-272-4516

309 DELBOURNE LANE GREER SC 29651

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL DESIGN

GREGORY P. RIVERS, P.E. FL. #35800

DATE _____

SCALE:-1/4"=1'

DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467

APPROVED

SHEET 1 OF 7

FIRST FLOOR HEATED SQFT-1417

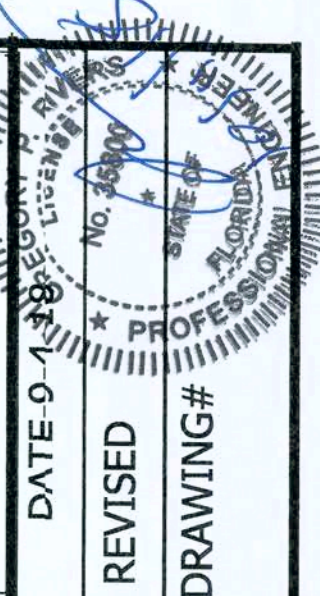
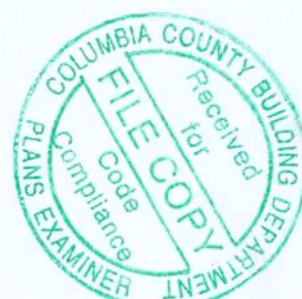
COVERED PORCH SQFT-144

GARAGE SQFT-

CARPORT SQFT-324

TOTAL SQFT-1885

DRAWN FOR-DON WILKERSON
COUNTY-COLUMBIA
CONTRACTOR-SELF



FRAMING SHEET

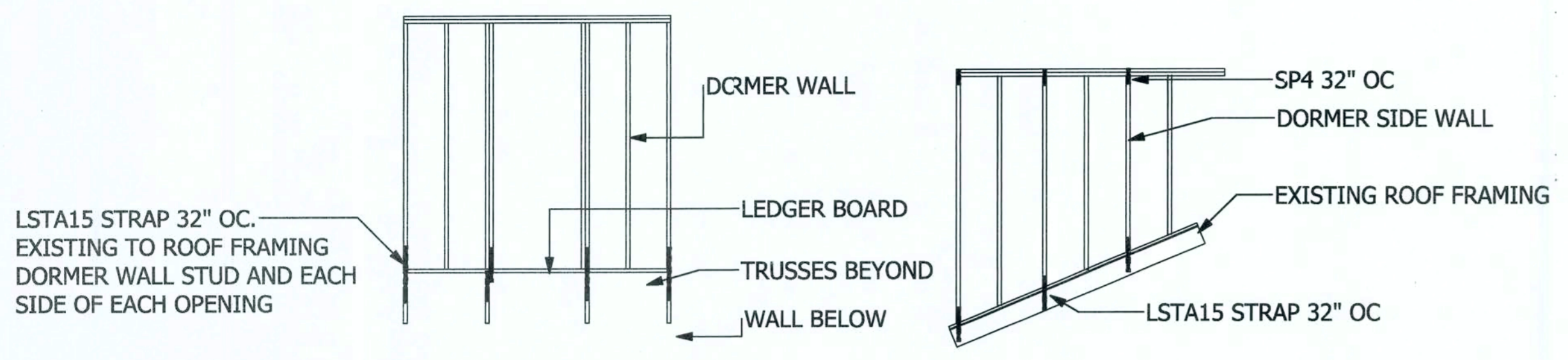
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INDICATE CONFORMANCE WITH THE STRUCTURAL DESIGN
GREGORY P. RIVERS, P.E. FL. #35800
DATE _____

DATE 04-18-2024
REVISED
DRAWING#

SCALE: 1/4" = 1'
DRAWN BY: JASON HEMENWAY 352-493-9613/221-2467
APPROVED

SHEET 2 OF 7
FIRST FLOOR HEATED SQFT-1417
COVERED PORCH SQFT-144
GARAGE SQFT-
CARPORT SQFT-324
TOTAL SQFT-1885
DRAWN FOR: DON WILKERSON
COUNTY: COLUMBIA
CONTRACTOR: SELF

SEEDTAIL SHEET FOR HEADER DETAILS
AND SIZE OF HEADER



DORMER WALL TIE DOWN DETAIL

NOTE:

ALL EXTERIOR HORIZONTAL WALL SEGMENTS
THE FULL HEIGHT OF THE STRUCTURE
NOT CONTAINING OPENINGS AND OVER 2'8"
IN LENGTH ARE SHEARWALLS
ALL SHEARWALLS SHALL HAVE 2 STUDS
AND AN ANCHOR BOLT W 2" WASHER WITHIN 2"
OF STUD AT EACH END OF EACH VERTICAL WALL SEGMENT

THE CAPACITY OF THE TRUSS CONNECTORS
SHALL BE VERIFIED BY THE CONTRACTOR TO
EXCEED THE LOADS PROVIDED IN THE TRUSS
ENGINEERING.

OPENINGS SIZES AND LOCATIONS SHALL NOT BE CHANGED
WITHOUT THE CONSENT OF THE ENGINEER OF RECORD
DUE TO AFFECT ON SHEARWALL CALC.

AT ALL PORCHES PROVIDE 1/2" HIGH TENSILE STRENGTH
OR 5/8 GYPSUM BOARD OR 1/2 3/2 PLYWOOD OR 7/16 OSB
DIAPHRAGM ON BOTTOM SIDE
OF TRUSSES FASTENED W 8D NAILS
AT 6" OC. AT EDGES AND 12" INTERMEDIATE
FRAMING 5/8 GYPSUM SHALL BE FASTENED W SCREWS
4" OC. AT EDGES AND INTERMEDIATE SUPPORTS

THREADED ROD WITH EPOXY EMBED SYSTEM NOTES
DESIGN BASED ON ICC-ES REPORT ESR-1772

FLORIDA APPROVAL CODE: FL5550
1/2" THREADED ROD SHALL BE EMBEDDED INTO THE SLAB
W SIMPSON SET EPOXY A MIN. OF 6".
THREADED ROD SHALL BE A307 STEEL.
MAINTAIN MIN EDGE DISTANCE 1 3/4" FROM EDGE OF SLAB
MEASURED FROM CENTERLINE OF THE ROD. IF ROD LOCATION IS
IN CURBED AREA, THE EMBEDMENT DISTANCE IS FROM BOTTOM OF
THE CURB. ADHESIVE ANCHORS SHALL NOT BE INSTALLED IN CONC.
LESS THAN 7 DAYS OLD. ANCHORS ARE INTENDED TO BE INSTALLED
PERPENDICULAR TO THE SURFACE (+OR-6 DEG. FROM VERTICAL.)
THE ROD IS DESIGNED TO BE CONT. FROM THE EMBEDMENT DEPTH
THROUGH THE TOP PLATE. PROVIDE 3X3 1/4" WASHER TYP. UNLESS
NOTED OTHERWISE. NUTS AND WASHERS AT REQUIRED AT TOP PLATE
UNLESS NOTED OTHERWISE. RODS ADJACENT OF GIRDER TRUSSES SHAL
BE PLACED WITHIN 6" OF THE TRUSS BEARING LOCATION. IF CONFLICTS ARE
IN THE FIELD AT ROD LOCATION SPECIFIED THE ROD LOCATION INDICATED
ON THE DRAWING MAY VARY UP TO 8" TO ACCOMMODATE FRAMING EXCEPT
TRUSS GIRDER

CORNER STUD DETAIL

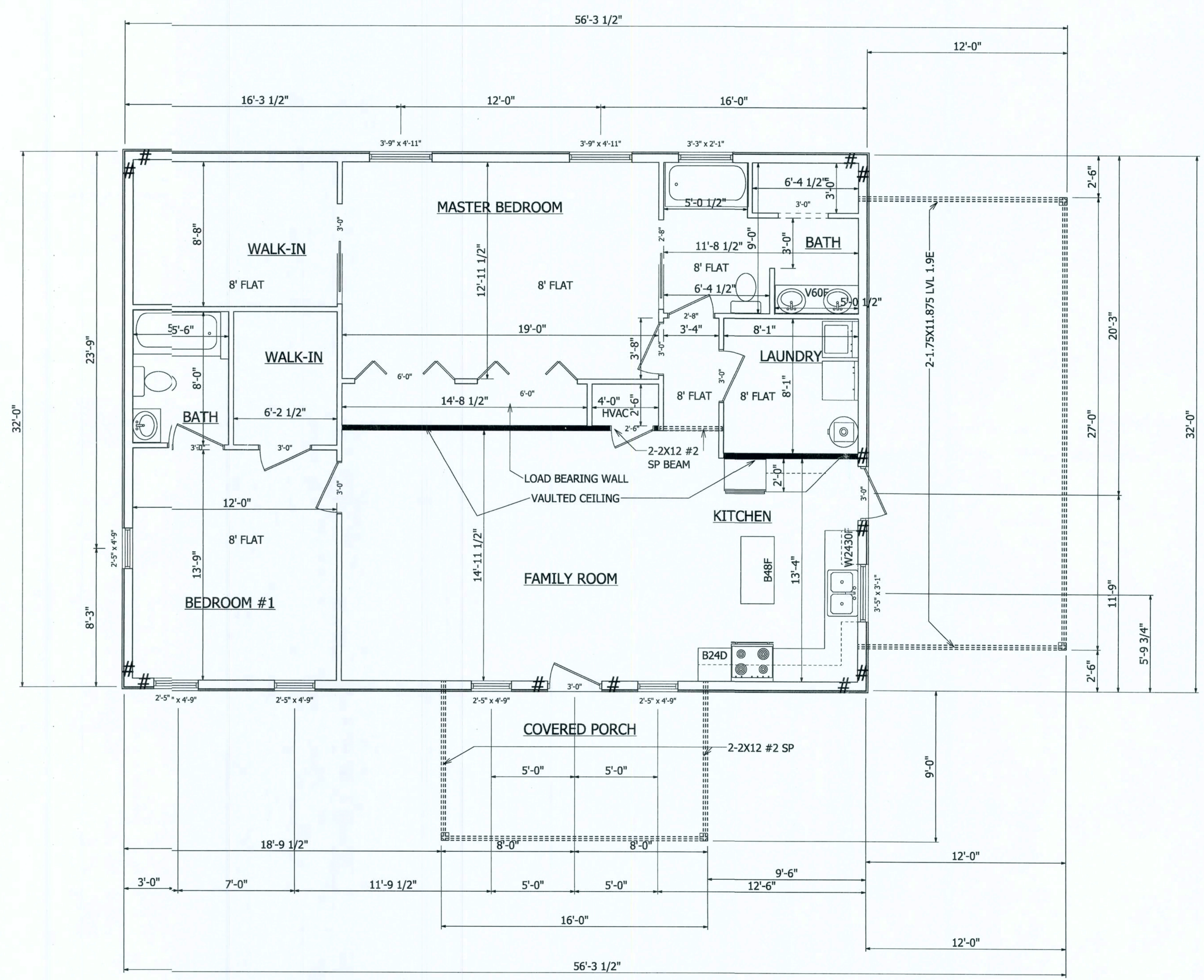


3- STUDS NAILED ONE TO ANOTHER IN STAGGERED PATTERN
W 12D NAILS 12" OC AND STUD FROM WALL
IN OTHER DIRECTION NAILED W 12D NAILS 12" OC

ROOF VENTILATION NOTE

MIN AREA OF REQUIRED BY FBC R806.2
SHL NOT BE LESS THAN 1 TO 150 OF
TH AREA OF ROOF SPACE TO BE VENTILATED.

= SIMPSON DTT2Z-SDS2.5



DRAWN FOR: DON WILKERSON
COUNTY: COLUMBIA
CONTRACTOR: SELF

FOUNDATION SHEET

GREGORY P. RIVERS, PE

1-863-272-4516

309 DELBOURNE LANE GREER, SC 29651

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2015
FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY
FOR THE STRUCTURAL DESIGN, OR TO
INDICATE CONFORMANCE WITH THE STRUCTURAL DESIGN

GREGORY P. RIVERS, P.E. FL. #35800

DATE

DATE 9-4-18

REVISED

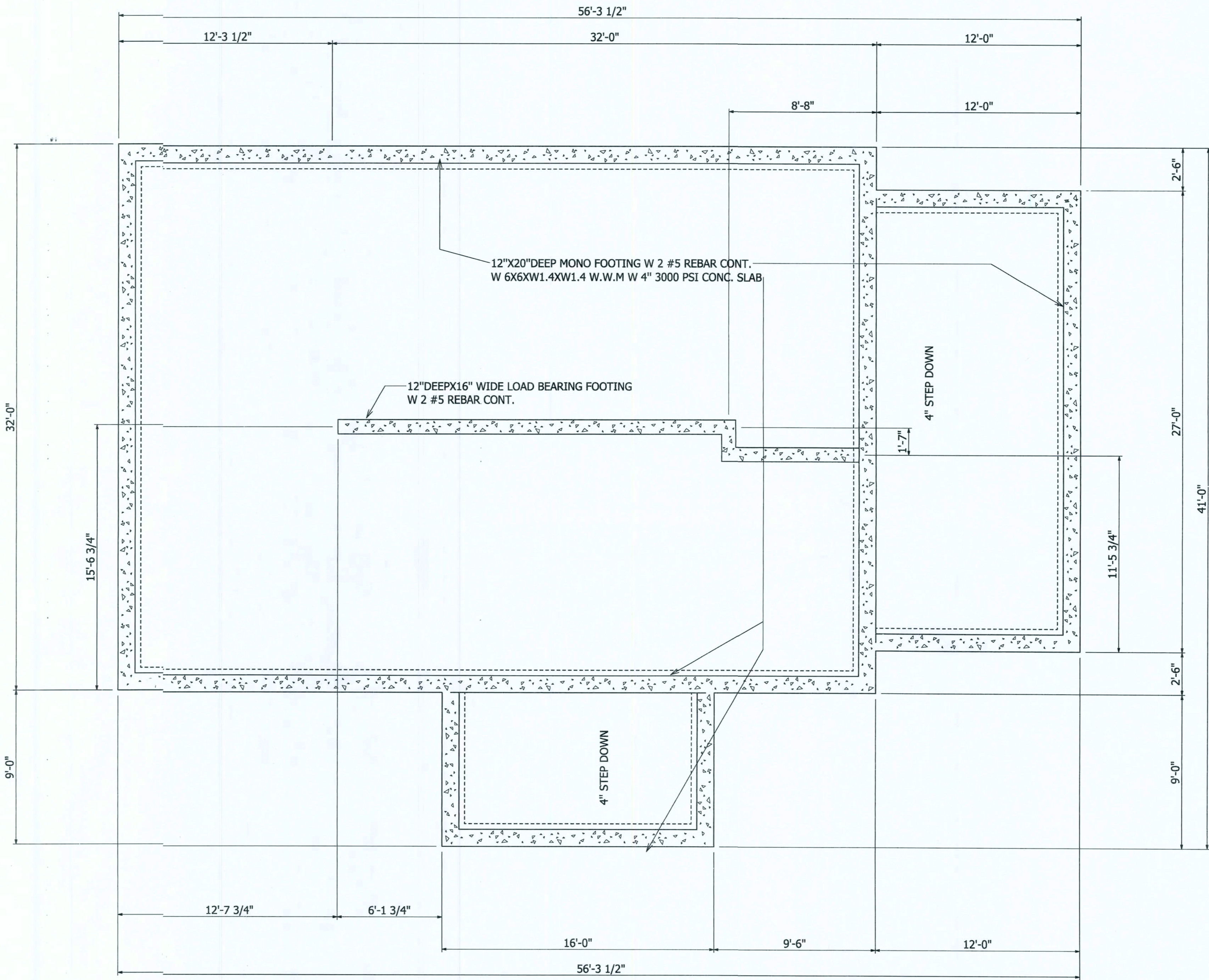
DRAWING

PROFESSIONAL SEAL

STATE OF FLORIDA

REGISTERED PROFESSIONAL ENGINEER

NO. 35800



SCALE: 1/4"=1'	FIRST FLOOR HEATED SOFT-1417	DRAWN FOR-DON WILKERSON
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467	COVERED PORCH SOFT-144	COUNTY-COLUMBIA
APPROVED	GARAGE SOFT-	CONTRACTOR-SELF
	CARPORT SOFT-324	
	TOTAL SOFT-1885	
	SHEET 3 OF 7	

GREGORY P. RIVERS, PE.
1-863-272-4516

309 DELBOURNE LANE GREER SC 29651

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2017
FLORIDA BUILDING CODE.
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GREGORY P. RIVERS, P.E. FL. #35800

DATE



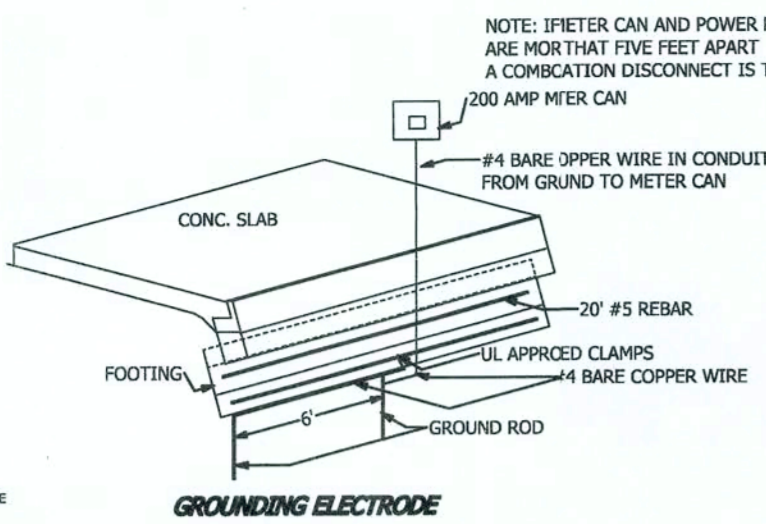
SCAIF-1/4"=1'
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467
APPROVED

SHEET 4 OF 7
FIRST FLOOR HEATED SQFT-1417
COVERED PORCH SQFT-144
GARAGE SQFT-
CARPORT SQFT-324
TOTAL SQFT-1885

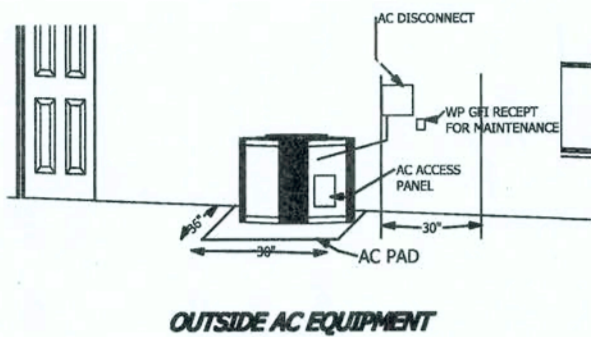
DRAWN FOR-DON WILKERSON
COUNTY-COLUMBIA
CONTRACTOR-SELF

ELECTRICAL SHEET

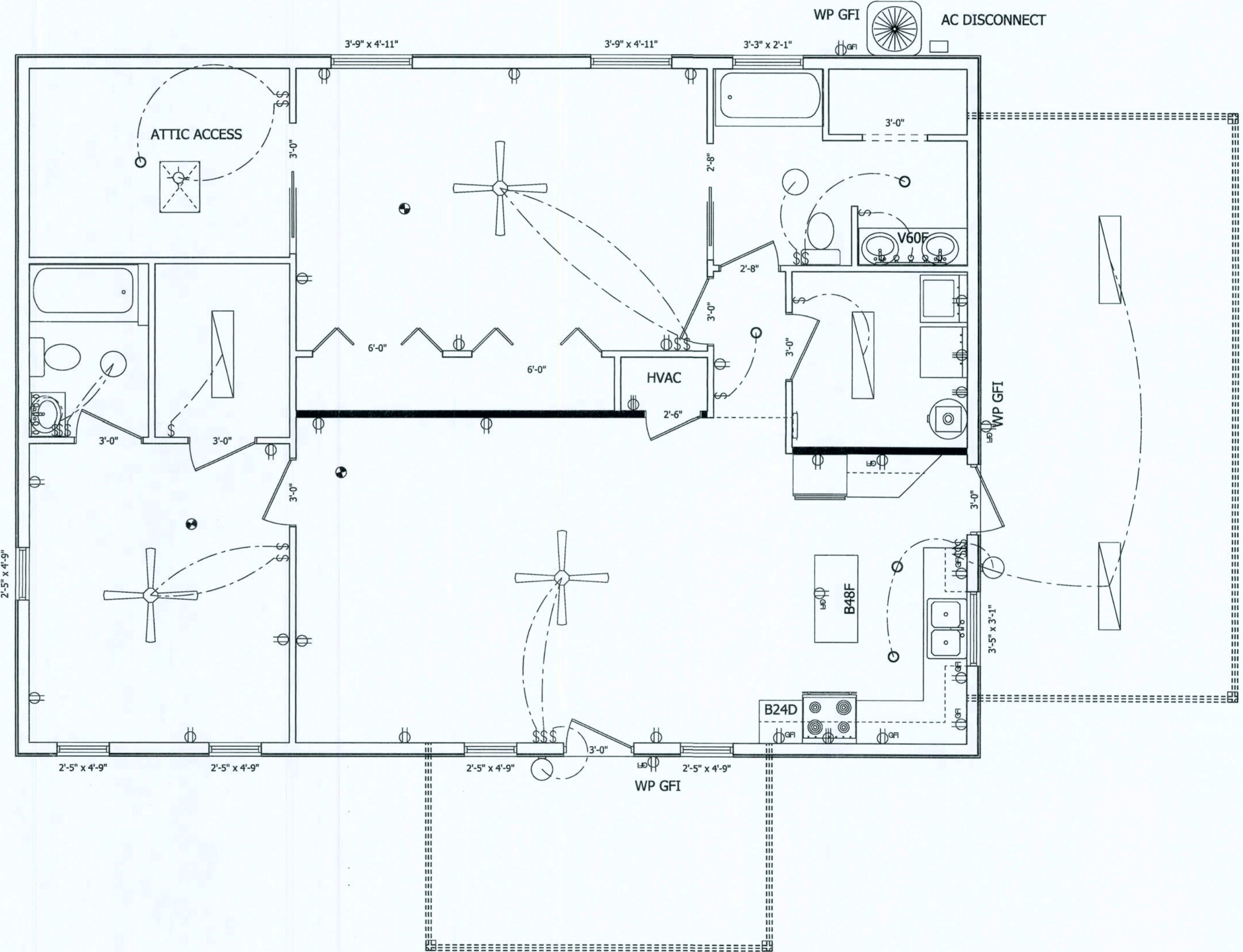
- NOTE:
- ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FIN. FLOOR TO BOTTOM OF BOX TO BE 32"
 - ALL TRIM PLATES AND DEVICES TO BE GANGED, WHERE POSSIBLE
 - ELECTRICAL SWITCHES TO BE AT 48"
 - ELECTRICAL PANEL IS FOR REFERENCE ONLY. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C. BY LICENSED ELECTRICAL WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION AND SIZING OF ALL ELECTRICAL WIRING AND ACCESSORIES.
 - SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
 - PROVIDE FIREARM FAULT INTERRUPTERS IN ALL ROOMS AS PER N.E.C.
 - CARBON MONOXIDE ALARM REQUIRED 553.885 AS OF JULY 1, 2008 WHEN HAVING A FOSSIL FUEL BURNING HEAT OR APPLIANCE. A FIREPLACE OR ATTACHED GARAGE SHALL HAVE AN APPROVED CARBON MONOXIDE ALARM INSTALLED WITHIN 10' OF EACH ROOM USED FOR SLEEPING PURPOSES.
 - ALL ROOMS SHALL HAVE TAMPER PROOF RECEPTACLES
 - ALL SMOKE DETECTORS IN ADDITION AND EXISTING STRUCTURE MUST BE WIRED TOGETHER TO WARM ALL.



CARBON MONOXIDE ALARM REQUIRED 553.885 EVERY BUILDING FOR WHICH A BUILDING PERMIT IS ISSUED FOR NEW CONSTRUCTION ON OR AFTER JULY 1, 2008 AND HAVING A FOSSIL FUEL BURNING HEATERS OR APPLIANCE, FIREPLACE OR AN ATTACHED GARAGE SHALL HAVE AN APPROVED OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10' OF EACH ROOM USED FOR SLEEPING PURPOSES



ELECTRICAL	COUNT	SYMBOL
ceiling fan	3	
exhaust round	2	
exterior light 1	2	
can light	5	
fluorescent fixture	4	
vanity bar light	2	
electrical panel	1	
light	1	
outlet	19	
outlet 220v	4	
outlet gfi	10	
smoke detector	3	
switch	21	



ELEVATION SHEET

GREGORY P. RIVERS, P.E.

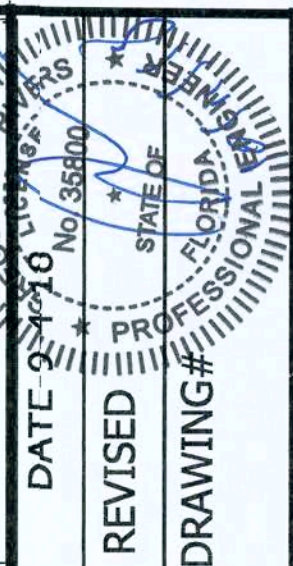
1-863-272-4516

309 DELBOURNE LANE GREER SC 29615

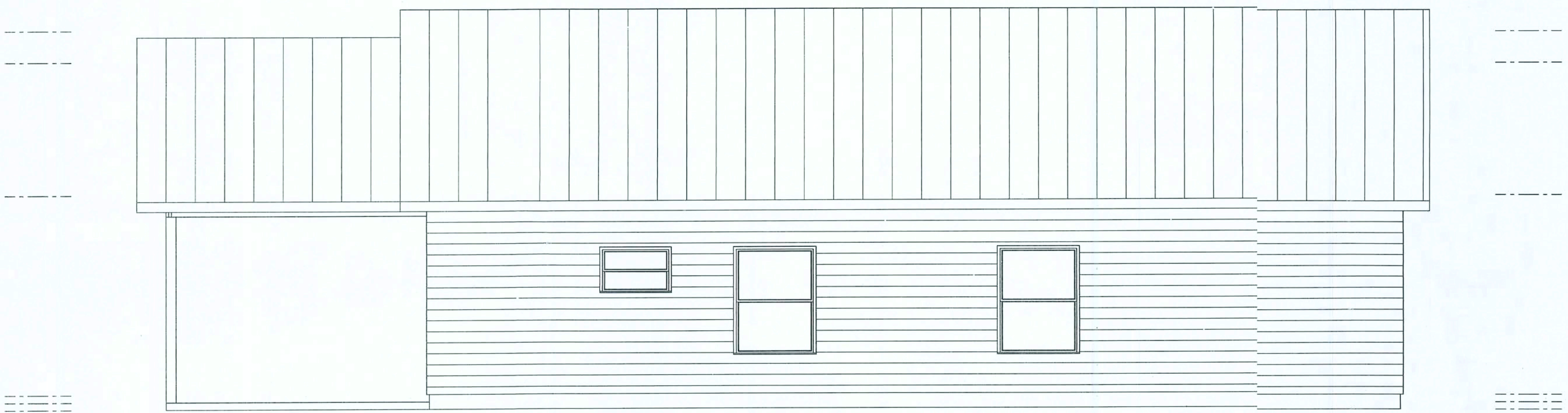
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2001
FLORIDA BUILDING CODE.
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GREGORY P. RIVERS, P.E. FL. #35800

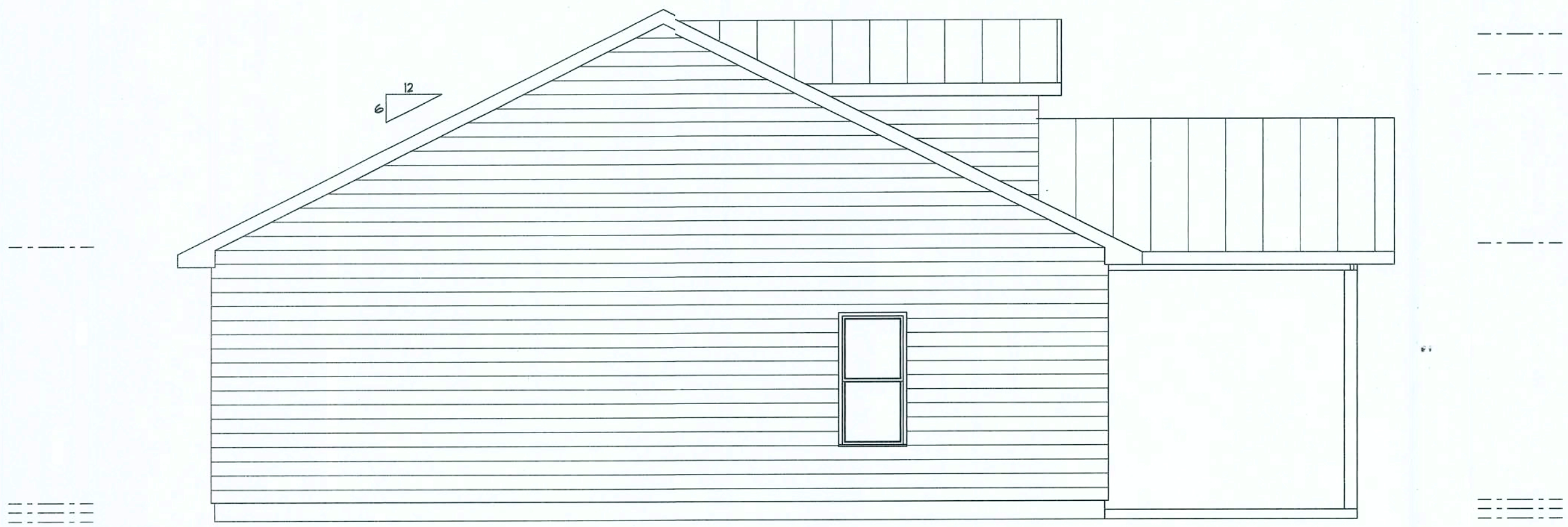
DATE _____



FRONT ELEVATION



REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

SCALE 1/4" = 1'

DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467

APPROVED

FIRST FLOOR HEATED SQFT 1417

COVERED PORCH SQFT 144

GARAGE SQFT 324

CARPORT SQFT 324

TOTAL SQFT 1885

DRAWN FOR-DON WILKERSON

COUNTY-COLUMBIA

CONTRACTOR-SELF

SHEET 5 OF 7

DETAIL SHEET

GREGORY P. RIVERS, PE
1-863-272-4516

309 DELBOURNE LANE GREER SC 29615

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FLORIDA BUILDING CODE
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GREGORY P. RIVERS, P.E. FL. #35800

DATE _____



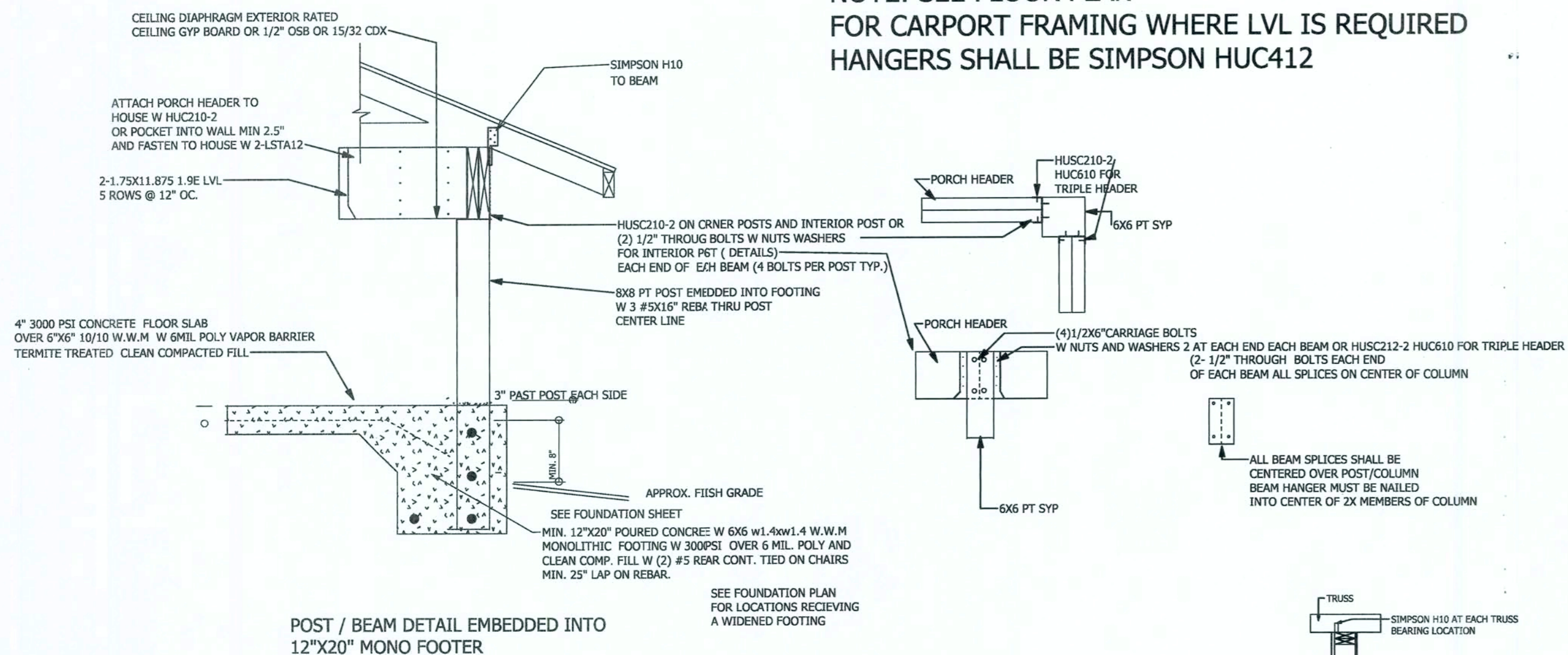
SCALE: 1/4"=1'
DRAWN BY: JASON HEMENWAY 352-493-9613/221-2467
APPROVED

SHEET 6 OF 7

FIRST FLOOR HEATED SQFT-1417
COVERED PORCH SQFT-144
GARAGE PORCH SQFT-324
CARPORT SQFT-1885
TOTAL SQFT-1885

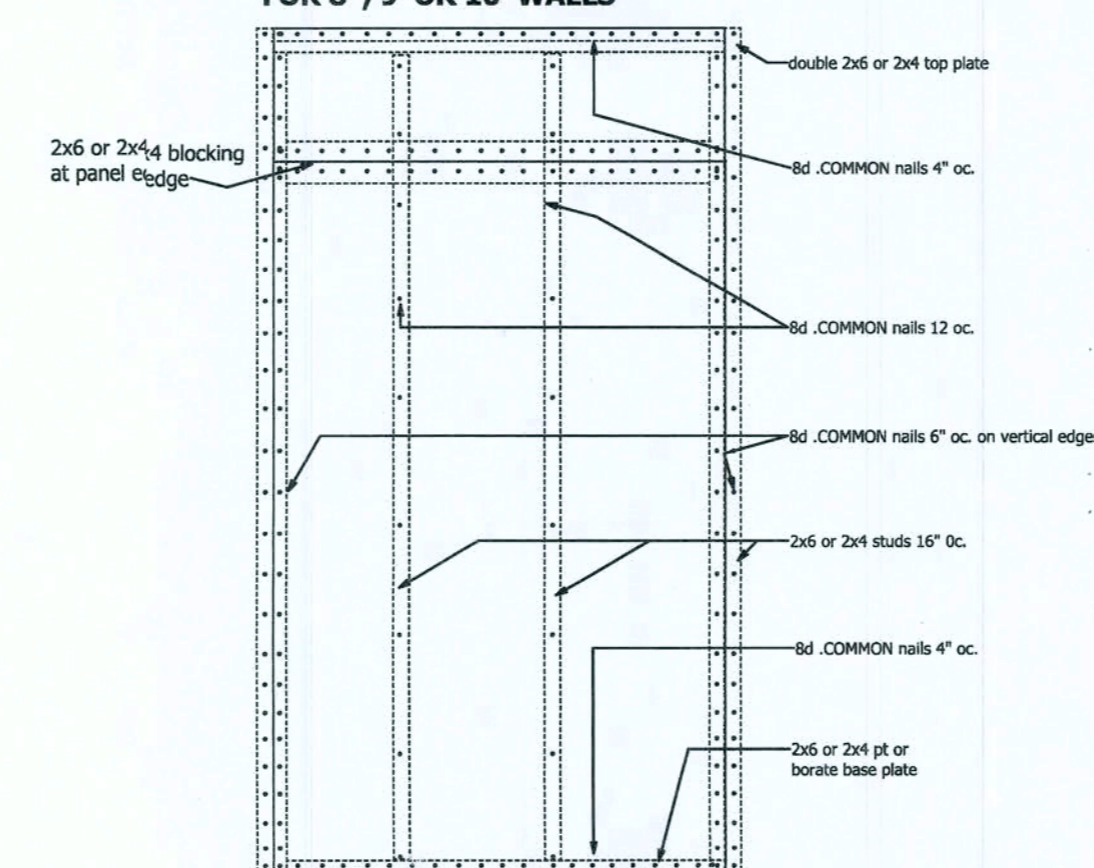
DRAWN FOR: DON WILKERSON
COUNTY-COLUMBIA
CONTRACTOR-SELF

NOTE: SEE FLOOR PLAN
FOR CARPORT FRAMING WHERE LVL IS REQUIRED
HANGERS SHALL BE SIMPSON HUC412



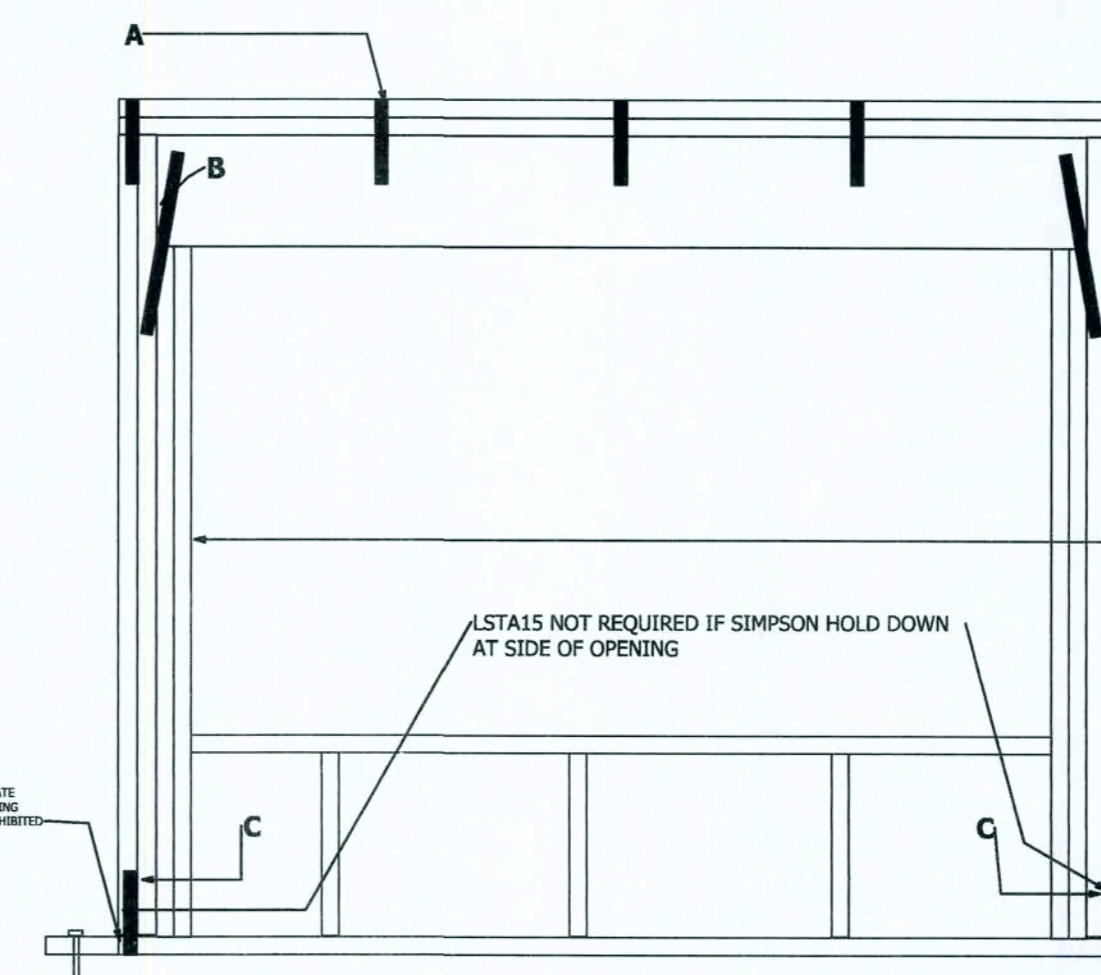
HEADER SCHEDULE SEE FRAMING PLANS FOR EXCEPTIONS					
HEADER CLEAR SPAN (FT) MAX.	HEADER #2 SYP	QTY JACK STUD	QTY FULL STUD	HEADER	
				A	B C
3'-4'-6"	3-2X12	1	2	SP4or6@24" (1) LSTA15	(1) SPH4/6
4'-7"-6'-6"	NA	2	2	SP4or6@24" (2) LSTA15	(2) SPH4/6
6'-7"-8'-6"	NA	2	2	SP4or6@24" (2) LSTA15	(2) SPH4/6
9'-12'	NA	2	3	SP4or6@24" (2) LSTA15	(2) SPH4/6
18' GARAGE	NA	4	3	SP4or6@24" (3) LSTA15	(3) SPH4/6

WALL SHEETING NAILING DETAIL
FOR 8", 9" OR 10" WALLS



STUDS AND STRAPS REQUIRED
IN TABLE SHALL BE INSTALLED
ON EACH SIDE OF OPENING

SPICES IN BOTTOM PLATE
BETWEEN END OF FRAME
AND ANCHOR BOLT REQUIRED



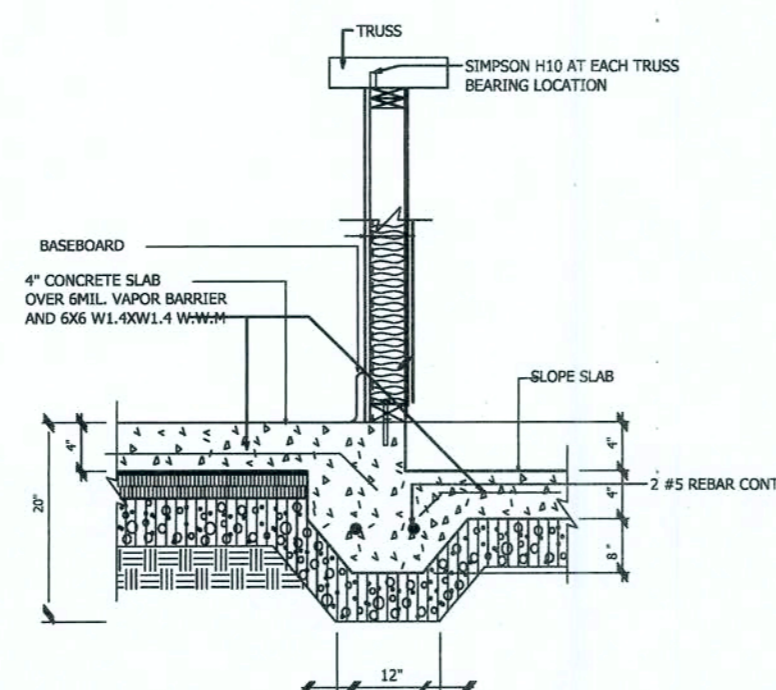
NOTE 1/2" THREADED ROD W 6" MIN EMBEDD
WHERE J-BOLT IS MISSING W SIMPSON SET EPOXY

STUD FASTENED TO ANOTHER
W 10D NAILS 12" OC IN STAGGERED
PATTERN

Install simpson sp1 and sp2 at top sp2 and bottom sp1 of same stud 32" oc. on all exterior and interior load bearing walls over 8' in height or if a single sheet of sheathing is not cont. from bottom of base plate to top edge of upper most top plate. sp1 and sp2 are not required when using windstorm of the same height. on interior load bearing walls install 1/2"x6" simpson titen hd anchor bolt w 2" washers @ 32" oc max. in lieu of anchor bolts

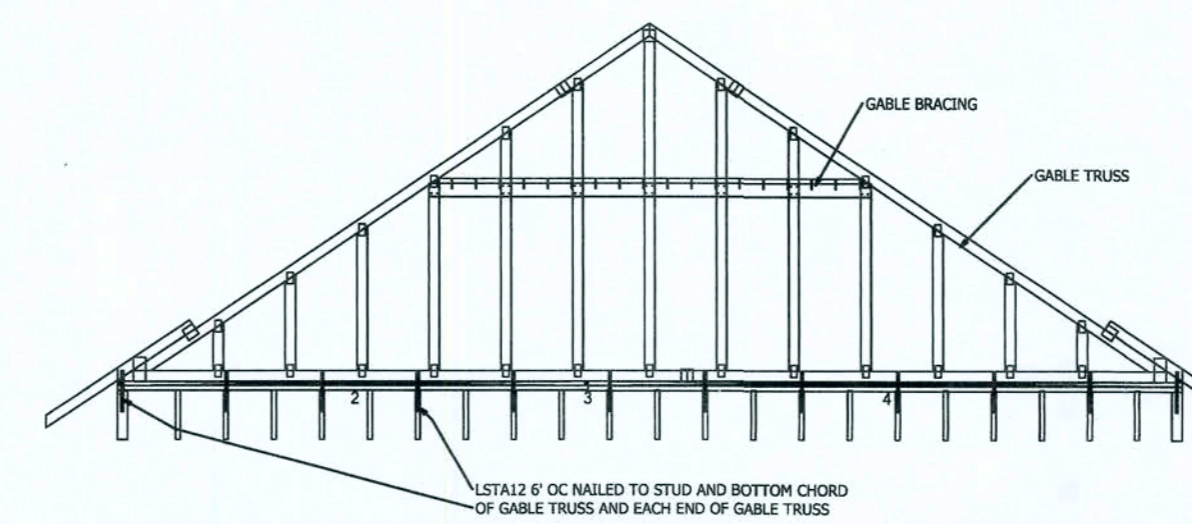
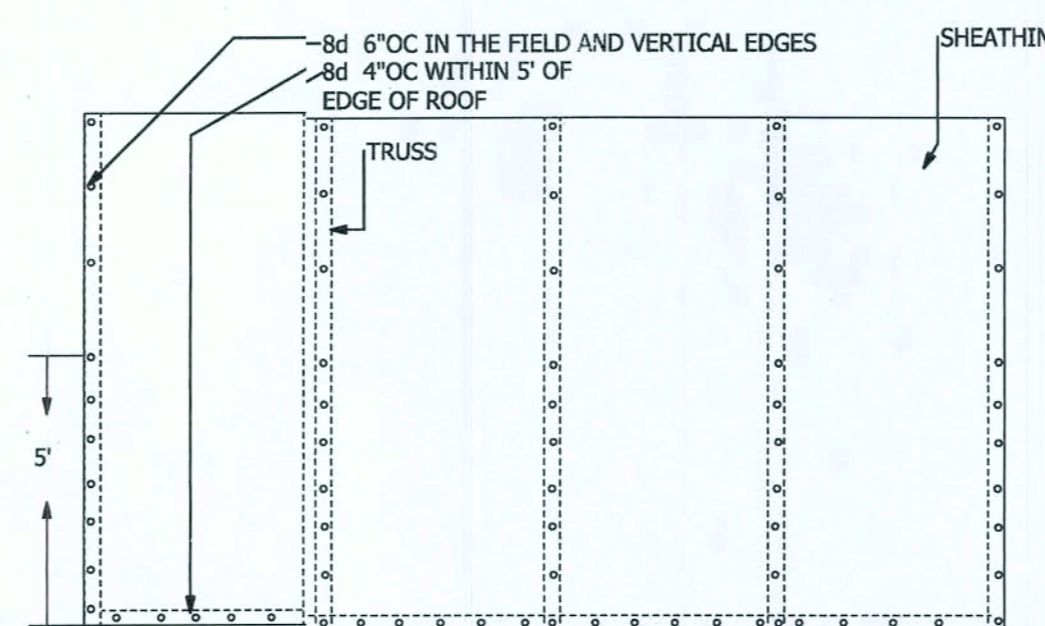
SEE PLAN FOR HOLD DOWN
AT END OF SHEARWALL SEGMENTS

BLOCKING IS REQUIRED AT PANEL EDGES



LOAD BEARING STEP DOWN FOOTER

ROOF SHEATHING NAILING DETAIL
(USE 8D COMMON.131 OR 8D RINGSHANK.113)



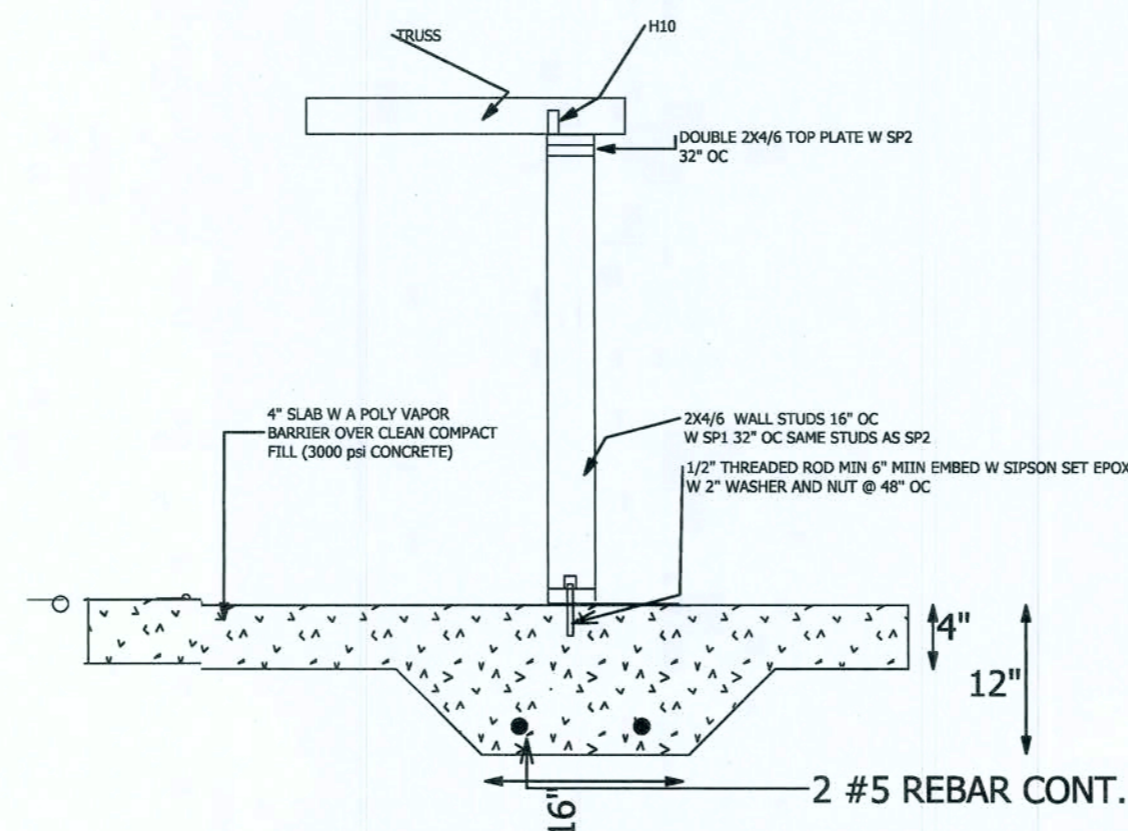
NOTE:

- MIN GRADE OF #2 MATERIAL IN TOP AND BOTTOM CHORDS
- BRACING SPECIFIED ARE TO BE FULL LENGTH GRADES 2x4 SIB OR 2x4 STUD OR BETTER WITH ONE ROW OF 100 NAILS SPACED 6" OC
- DIAGONAL BRACE TO BE APPROXIMATELY 45 DEG. TO ROOF DIAPHRAGM AT 4" OC
- CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16D NAILS SPACED 6" OC HORIZONTAL BRACE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUD W 4-10D NAILS THROUGH 2x4
- GABLE STUD DEFLECTION NETS OR EXCEEDS 1/400

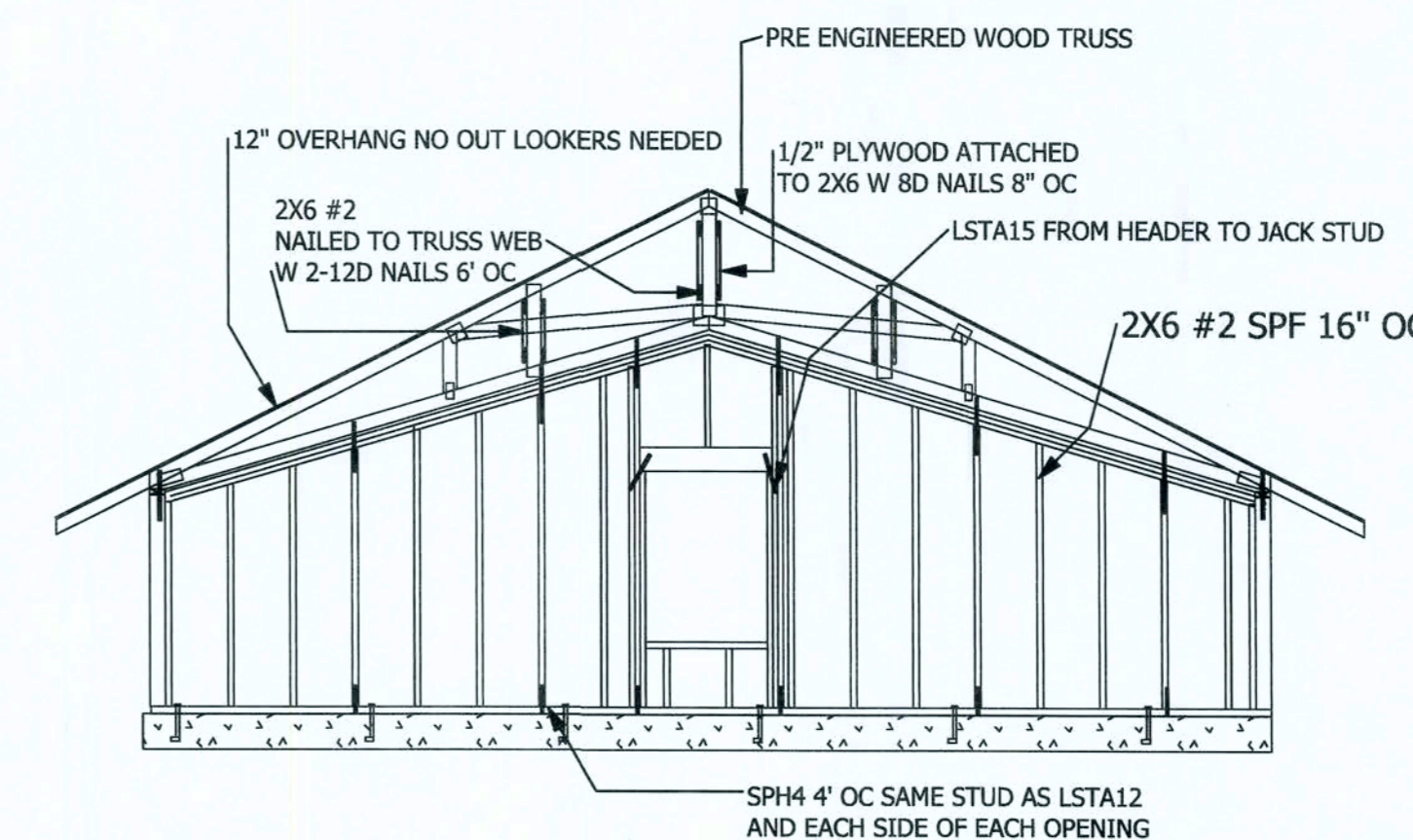
MIN STUD SIZE SPECIES AN GRADE	STUD SPACING	WITHOUT 1x4 L BRACE	2x4 L BRACE	2x4 L BRACE	DIAGONAL BRACE AT 1/3 POINTS
2x4 SPF STUD/STUD	12" OC	4'-3/2"	5'-2"	5'-6 1/2"	12'-9 1/2"
2x4 SPF STUD/STUD	16" OC	3'-10 7/8"	4'-0"	5'-7 1/8"	11'-7 1/8"
2x4 SPF STUD/STUD	24" OC	3'-0"	3'-3 1/2"	4'-6"	9'-6"

DIAGONAL BRACES OVER #3 REQUIRE 2x4 T BRACE ATTACHED TO ONE EDGE. DIAGONAL BRACES OVER 12x6 REQUIRE 2x4 L BRACE ATTACHED TO BOTH EDGES. FASTEN T AND L BRACES TO NARROW EDGE OF WEB WITH 16D NAILS 6" OC WITH 8" MIN END DISTANCE. BRACE MUST COVER 90% OF DIAGONAL BRACE

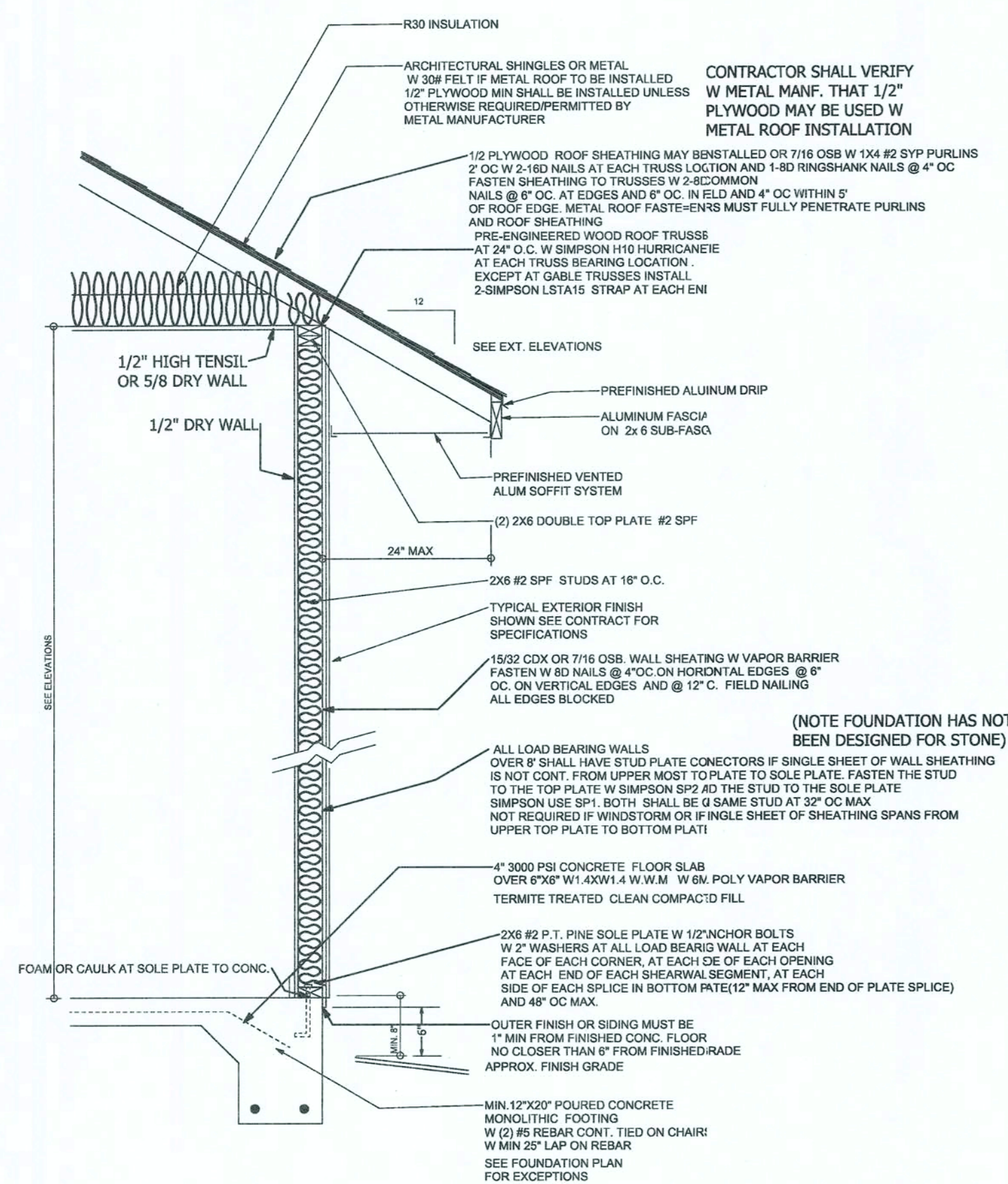
GABLE BRACE DETAIL



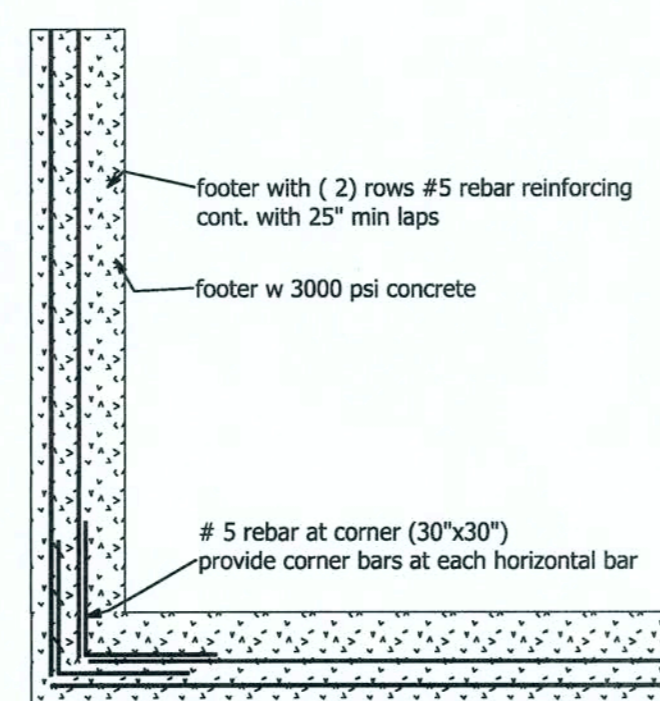
LOAD BEARING THICKENED FOOTER



BALLOONED WALL TO STRUCTURAL GABLE
ON CONC.



TYPICAL DESIGN WALL SECTION
W MONO FOOTING 4" SLAB
SCALE: 1/4"=1'-0"



footer reinforcing at corner

TRUSS LAYOUT SHEET

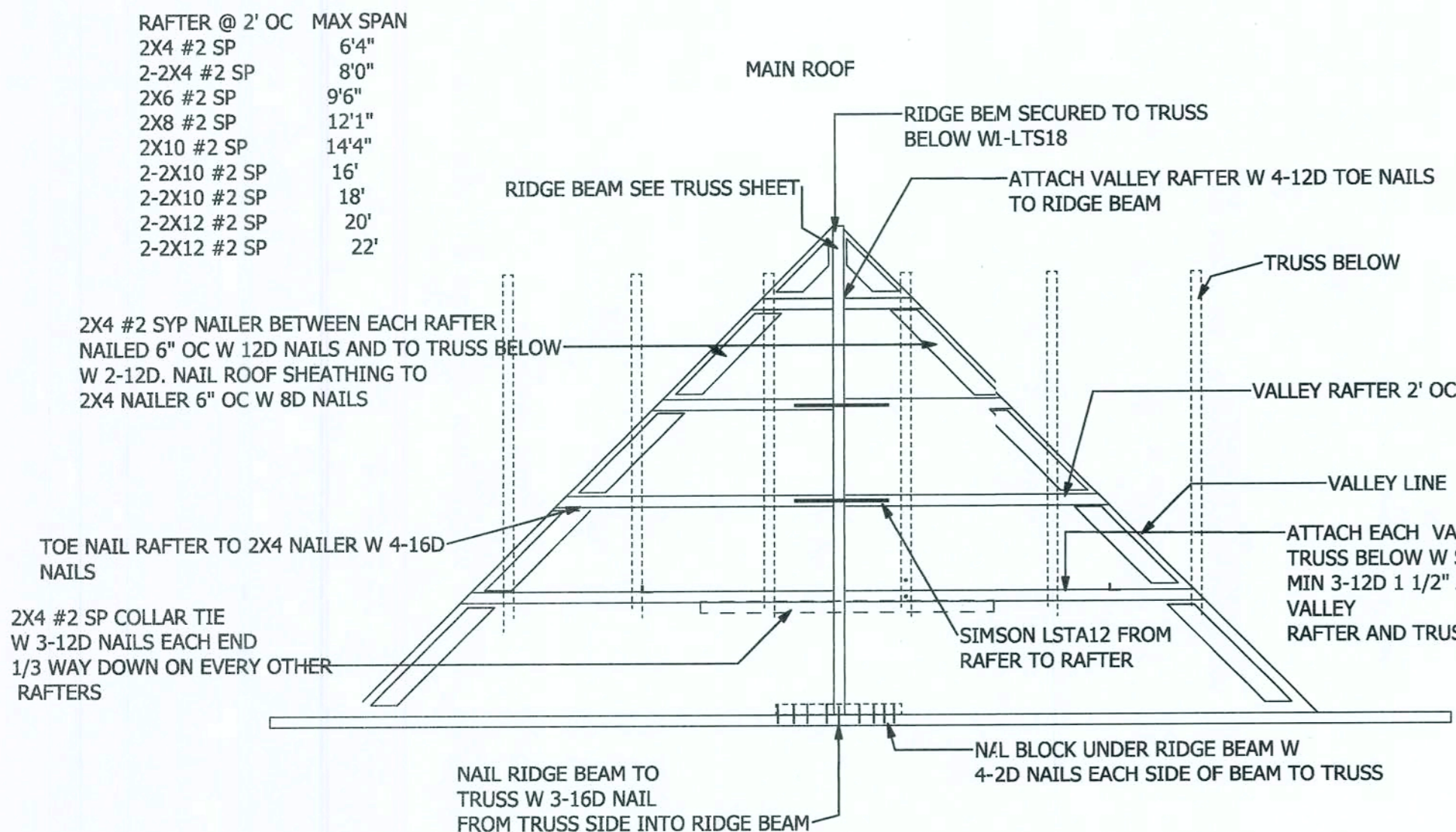
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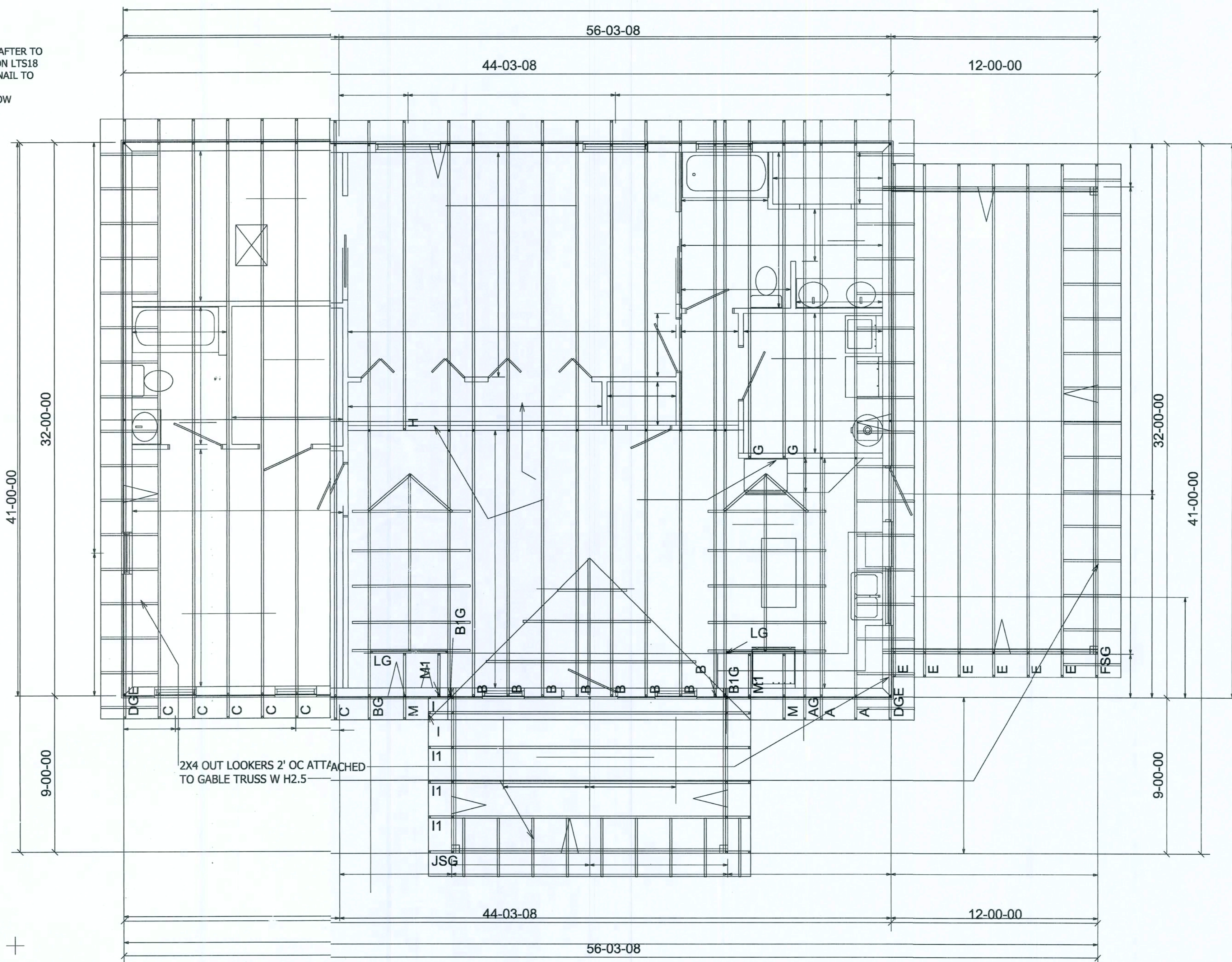
GREGORY P. RIVERS, P.E. FL. #35800

DATE: 11-18-2008

DATE: 11-18-2008
REVISED
DRAWING



VALLEY RAFTER DETAIL



SCALE: 1/4"=1'

DRAWN BY: JASON HEMENWAY 352-493-9613/221-2467

APPROVED

SHEET 7 OF 7

FIRST FLOOR HEATED SQFT-1417
COVERED PORCH SQFT-144
GARAGE SQFT-
CARPORT SQFT-324
TOTAL SQFT-1885

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COUNTY-COLUMBIA
CONTRACTOR-SELF