STRUCTURAL NOTES 130 (B) MPH 5 TO 6 12

STRUCTURAL NOTES.

FOUNDATION.

SOIL TO 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 60

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 LENGTH 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 C270

3. ALL REINFORCING STEEL SHALL BE NEW DOMESTICDEFORMED BILLET STEEL CONFORMING TO ASTM-615 GRADE 60

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 GROUT.

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 DRAWING.

NOTES: ICF BLOCK WALLS

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

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

ALL REINFORCING STEEL SHALL BE GRADE 60

CODES FLORIDA BUILDING CODES ,2023 EDITION
REQUIREMENTS FOR REINFORED CONCRETE (ACI 318) LATEST EDITION
SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDING (ACI 301) LATEST EDITION
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION LATEST EDITION
APA PLYWOOD DESIGN SPECIFICATION.

LIVE LOADS
ROOF 20 PSF
RESIDENTIAL FLOOR, UNLESS OTHERWISE STATED 40 PSF
BALCONIES (100 SQFT OR LESS) 60 PSF
STAIRS 40 PSF
LIGHT PARTITIONS (DEAD LOADS). U.N.O 20 PSF
RESIDENTIAL DECK 60 PSF
WINDLOADS;(FBS) THESE DRAWINGS PREPARED USING FBC 2023 AND ASCE 7-22

CONCRETE STRENGTH ALL CONCRETE UNLESS OTHERWISE INDICATED 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-GRADE 60
ALL STIRRUPS AND TIES ASTM A 615-GRADE 60

STRUCTURAL STEEL ALL BOLTS CAST IN CONCRETE ASTM 36 OR ASTM A307

SHEATHING ROOF DECKING ; EXTERIOR CDX STRUCTRUAL SHAEATHING OR OSB STRUCTRUAL SHEATING
WALL SHEATHING ; EXTERIOR CDX STRUCTURAL SHEATHING OR OSB STRUCTURAL SHEATHING

SOIL BEARING VALUE ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION 2000 PSF
SEE DRAWINGS FOR SPECIAL CONCENTRATED LOADS AS
SPECIFIED . IF SOIL CONDITIONS IN THIS PROJECT DON'T
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 LEAST 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 EITHER SOUTHERN PINE OR S.P.F. NUMBER 2 GRADE OR BETTER SHALL BE USED REGARDLESS OF SPECIES.

3. LVL'S SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS FB OF 2900 PSI BASIS OF DESIGN LP SOLID START LVL 2.0E 2900 FB

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 PROFESSTIOAL 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.

NOTES

1. BUILDER TO VERIFY MEASUREMENTS AND DIMENSIONS BEFORE CONST.

2. THIS STRUCTURE TO BE BUILT IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE

3. ANY DEFECTS OR ERRORS FOUND ON THESE PLANS AFTER THE START OR CONSTRUCTION BECOME THE SOLE RESPONSIBILITY OF THE BUILDER

4. TRUSS MANF. TO ENGINEER TRUSSES TO WITH STAND WIND ZONE SHOWN ON DRAWINGS WITH 2023 FLORIDA BUILING CODE

5. GRADE REQUIREMENTS MAY VARY ACCORDING TO SOIL CONDITION

6. WINDOWS TO BE INSTALLED TO MANF. SPECS. TO MEET WIND LOADS AS PER 2023 BUILDING CODE.

7. OWNER/CONTRACTOR SHALL DETERMINE FEMA FLOOD ELEVATION AND NOTIFY STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTUCTION STRUCTURE IS NOT DESIGNED TO LOCAL/FEMA FLOOD STANDARDS UNLESS SHOWN ON THESE DRAWINGS

2023 FLORIDA BUILDING CODE (ASCE 7-22)

VULT ULTIMATE DESIGN WIND SPEED: 130 MPH VASD NOMINAL WIND SPEED: 101 MPH ENCLOSED CLASSIFICATION: ENCLOSED

RISK CATORGORY: II MEAN ROOF HEIGHT: 30 FT

EXSPOSURE CATEGORY: B INTERNAL PRESSURE COEFFICIENT : +- 0.18 NOTE : NOT ADJUSTED FOR ASD DESIGN

COMPONENTS AND CLADING WIND PRESSURE (LBS/SF)

GABLE ROOF - ROOF PITCH 5:12 TO 6:12

EFFECTIVE WIND AREA (SF)	ROOF ZONE						WALL ZONE			
	1		2		3		4		5	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
10	20.2	-43.3	20.2	-69.0	20.2	-82.0	30.3	-33.0	30.3	-40.7
20	18.3	-39.2	18.3	-59.0	18.3	-69.5	29.0	-31.7	29.0	-38.0
50	16.0	-33.7	16.0	-45.7	16.0	-53.2	27.2	-29.8	27.2	-34.3
100	14.2	-29.5	14.2	-35.5	14.2	-40.7	25.8	-28.5	25.8	-31.7

HIP ROOF - ROOF PITCH 5:12 TO 6:12

EFFECTIVE WIND AREA (SF)	ROOF ZONE						WALL ZONE			
	1		2		3		4		5	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
10	22.7	-40.7	22.7	-56.2	22.7	-56.2	30.3	-33.0	30.3	-40.7
20	19.5	-36.0	19.5	-48.3	19.5	-48.3	29.0	-31.7	29.0	-38.0
50	15.5	-29.8	15.5	-38.2	15.5	-38.2	27.2	-29.8	27.2	-34.3
100	12.3	-25.2	12.3	-30.3	12.3	-30.3	25.8	-28.5	25.8	-31.7

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 MTSM16 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. THEREROE, 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 STRUCTRUAL 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.

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.

RIVERS ENGINEERING, LLC
GREGORY P. RIVERS, PE. FL #35800
1-863-272-4516
20772 NW 252ND ST.HIGH SPRINGS FL 32643

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL
THIS ITEM HAS BEEN DIGITALLY SEALED BY GREG P RIVERS PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND SIGNATURE MUST BE VERIFIED ON ANY ELETRONIC COPIES

GREGORY P. RIVERS LICENSE No 35800 STATE OF FLORIDA PROFESSIONAL ENGINEER

Gregory P Rivers
Digitally signed by Gregory P Rivers
Date: 2024.01.12 12:32:37 -05'00'

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 UNCLEAR 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 DISIGNER 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 RECEPTACLES TO TAMPER PROOF PER CODE 406.11

12. PROTECTION OF EXTERIOR GLAZED OPENINGS IN WIND-BORNE DEBRIS REGIONS SHALL BE IN ACCORDANCE WITH FBC-RESIDENTIAL SEC. R 301.2.1.2

Review for Code Compliance
Universal Engineering Science
PX2707 07/15/2024
Examiner-License No.

Sleeping rooms shall have emergency escape rescue openings per FBC R310
Provide handicap bathroom with with 29" clear opening doors per FBC R320

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. UNO

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

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.

STEEL COMPOSITE FLOOR DECK NOTES

1. STEEL DECK SHALL BE TYPE 1 1/2" DEEP COMPOSITE FORM DECK OF 20GA STEEL SHEETS CONFORMING TO ASTM A-653 GALVANIZED G60 FINISH DESIGN BASED ON VULCRAFT 1.5VLR-36 COMPOSITE DECK

2. THE DECK SHALL BE CAPABLE OF SUPPORTING A UNIFORMLY DISTRIBUTED TOTAL LOAD OF 175 PSF OVER 3 SPANS

3. THE DECK SHALL BE DESIGNED AND MANUFACTUREED IN ACCORDANCE WITH THE "SPECIFICATIONS FOR DESIGN OF LIGHT GAGE COLD/FORMED STEEL STRUCTURAL MEMBERS" AND CONFORM TO THE STEEL DECK INSTIITUTES RECOMMENDED SPECIFICATIONS

4. DECK UNITS SHALL BE ERECTED AND ANCHORED IN ACCORDANCE WITH THE MANUFACURES SPECIFICATIONS AND ERECTION DRAWINGS.

5. SHOP DRAWINGS SHALL IDENTIFY THE SPECFIC PROJECT. SHALL LIST ALL DESIGN CRITERIA AND SHALL BNE SUBMITTED TO DESIGN PROFESSINAL FOR REVIEW./

6. FLOOR SHALL HAVE A TOTAL SLAB DEPTH OF 4 1/2" CONCRETE SHALL BE 3000 PSI LIGHT WEIGHT CONCRETE AND REINFORCED W 6X6-W2.9XW2.9 WWF PLACED 1" BELOW THE TOP OF SLAB

STEEL JOIST

1. MANUFACTURE AND ERECT STEEL JOIST AND BRIDING PER SPECIFICATIONS OF THE STEEL JOICE INSITUTE AND GENERAL NOTE NO.13. DESIGN ALL FLOOR JOISTS FOR 2000 LBS LOAD ACTING OVER 2.5FTX2.5FT AREA

2. ALL STEEL ROOF JOIST AND BRIDGING SHALL BE DESIGNED FOR A UPLIFT USING THE COMPONENTS AND CLADDING LOAD DIAGRAMS WITH A MAXIMUM DEAD LOAD OF 10 PSF AND PONDING PER SPECIFICATIONS OF THE STEEL JOICE INSTITUTE. PROVIDE BRIDGING AT FIRST BOTTOM CHORD PANEL AT EACH END OF JOIST FOR UPLIFT

3. WELD EACH SIDE OF EACH JOIST TO JOIST GIRDER, BEARING PLATE OR BEAMS PER JOIST DESIGNER

4. CONTINUE ALL BRIDING TO ALL STRUCTURAL MEMBERS PARELLEL TO JOISTS PROVIDE LINES OF BRIDGING PER SJI REQUIRMENTS. OR AS SHOWN ,WHICH EVER IS GREATER. SECURELY WELD ALL BRIDING TO TOP AND BOTTOM OF ADJACENT JOISTS AND BEAMS WELD CROSS-BRIDGING AT INTERSECTIONS.

5. SHOP DRAWINGS AND MANUFACTURERS LIBERTURE SHALL IDENIFY THE SPECIFIC PROJECT. SHALL LIST ALL DESIGN CRITERIA, SHALL SHOW ALL JOIST LOCATION INFORMATION AND SHOW ALL DETAILS NECESSARY FOR PROPER ERECTION.SHOP DRAWIGS SHALL BEAR THE SIGNATURE AND IMPRESSED SEAL OF SPECIALTY ENGEINEER WHO PREPARED THOS SHOP DRAWINGS SHALL BE SUMITTED TO THE ENGINEER OF RECORD FOR APPROVAL

DATE-1-1-24
REVISED
DRAWING#
SCALE-NA
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467
APPROVED
SHEET 1 OF 7

FIRST FLOOR HEATED SQFT-1792
GARAGE SQFT-
SECOND FLOOR SQFT-
COVERED PORCH -492
TOTAL SQFT-2284

DRAWN FOR-KING
COUNTY -COLUMBIA
CONTRACTOR -CHUCK HUDSON

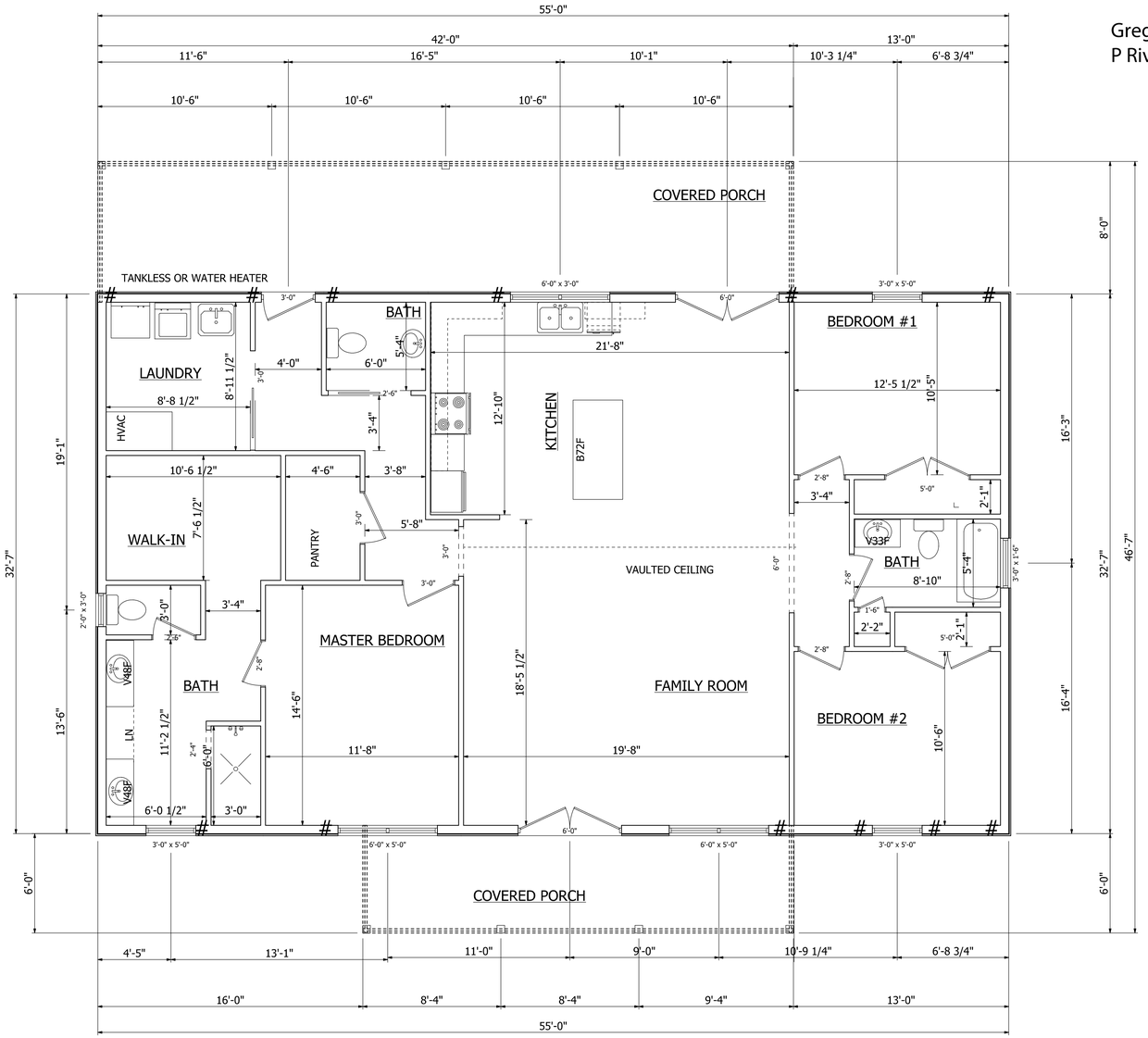
FRAMING SHEET

RIVERS ENGINEERING, LLC
GREGORY P. RIVERS, PE. FL #35800
1-863-272-4516
20772 NW 252ND ST.HIGH SPRINGS FL 32643

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL
THIS ITEM HAS BEEN DIGITALLY SEALED BY GREG P RIVERS PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND SIGNATURE MUST BE VERIFIED ON ANY ELETRONIC COPIES

GREGORY P. RIVERS LICENSE No 35800 STATE OF FLORIDA PROFESSIONAL ENGINEER

Gregory P Rivers
Digitally signed by Gregory P Rivers
Date: 2024.01.12 12:33:02 -05'00'



#= SIMPSON DTT2Z-SDS2.5

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 CALCS

AT ALL PORCHES PROVIDE 1/2" HIGH TENSILE STRENGTH
OR 5/8 GYPSUM BOARD OR 15/32 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
OR STRIP W 1X4 #2 SP W 2-12D NAILS EACH TRUSS
2' OC MAX AND ATTACH METAL AS PER MANF. SPECS

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

FLORIDA APPROVAL CODE: FL5550
1/2" THEADED ROD SAHLL 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. ADHEASIVE ANCHORS SHALL NOT BE INSTALLED IN CONC.
LESS THAN 7 DAYS OLD. ANCHORS ARE INTENED 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 3X3X1/4" WASHER TYP. UNLESS
NOTED OTHERWISE. NUTS AND WASHERS AT REQUIRED AT TOP PLATE
UNLESS NOTED OTHERWISE. RODS ADJACENT OF GIRDER TRUSSES SHALL
BE PLACED WITHIN 6" OF THE TRUSS BEARING LOCATION. IF CONFLICTS ARE
IN THE FEILD AT ROD LOACTION SPECIFIED THE ROD LOCATION INDICATED
ON THE DRAWING MAY VARY UP TO 8" TO ACCOMMODATE FRAMING EXCEPT IN
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
SHALL NOT BE LESS THAN 1 TO 150 OF
THE AREA OF ROOF SPACE TO BE VENTILATED.

Review for Code Compliance
Universal Engineering Science
Examiner-License No. PX2707 07/15/2024

DATE-1-1-24
REVISED
DRAWING#
SCALE-NA
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467
APPROVED
SHEET 2 OF 7

FIRST FLOOR HEATED SQFT-1792
GARAGE SQFT-
SECOND FLOOR SQFT-
COVERED PORCH -492
TOTAL SQFT-2284

DRAWN FOR-KING
COUNTY -COLUMBIA
CONTRACTOR -CHUCK HUDSON

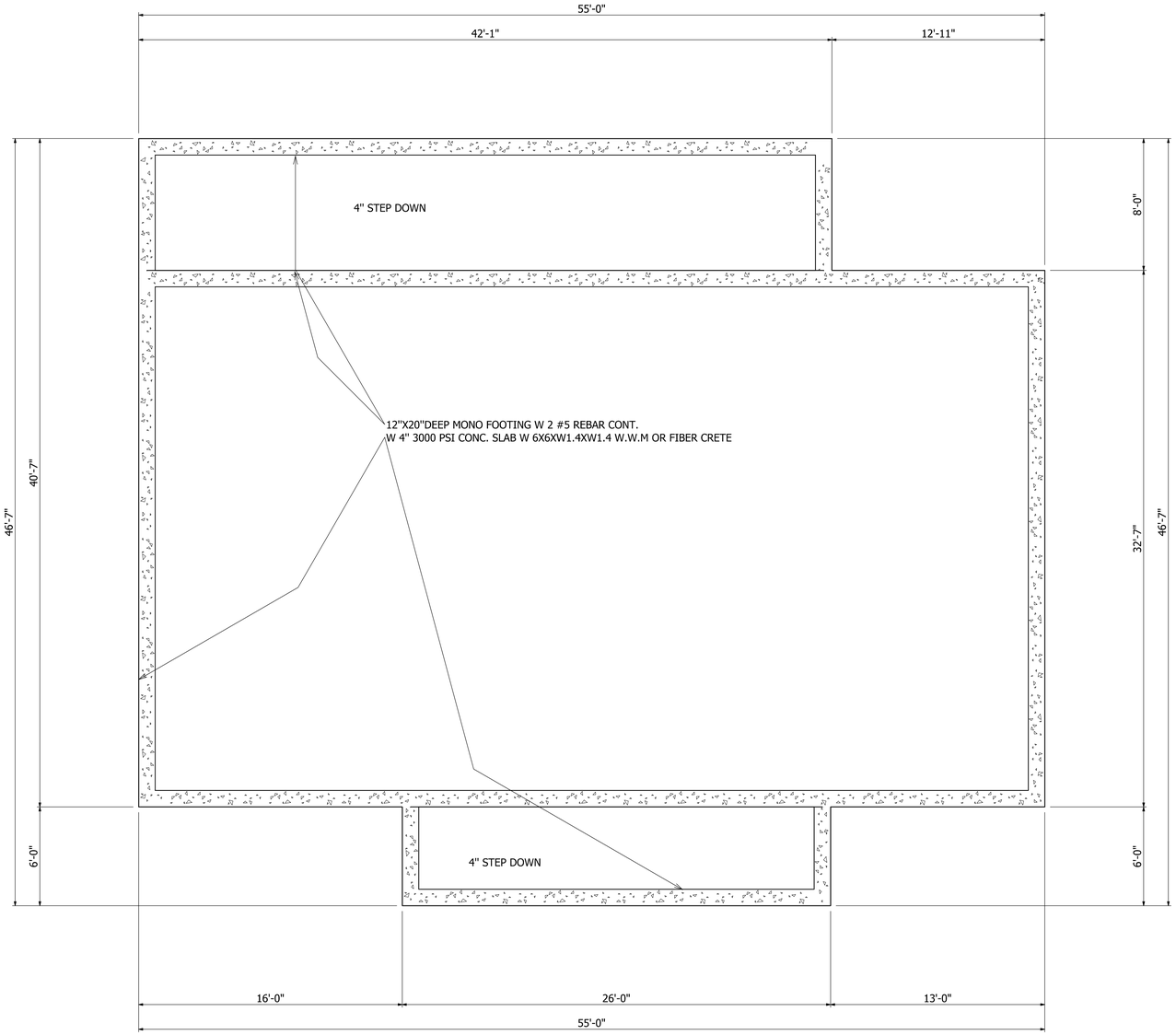
FOUNDATION SHEET

RIVERS ENGINEERING, LLC
GREGORY P. RIVERS, PE. FL #35800
1-863-272-4516
20772 NW 252ND ST.HIGH SPRINGS FL 32643

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL
THIS ITEM HAS BEEN DIGITALLY SEALED BY GREG P RIVERS PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND SIGNATURE MUST BE VERIFIED ON ANY ELETRONIC COPIES

GREGORY P. RIVERS LICENSE No 35800 STATE OF FLORIDA PROFESSIONAL ENGINEER

Gregory P Rivers
Digitally signed by Gregory P Rivers
Date: 2024.01.12 12:33:15 -05'00'



Review for Code Compliance
Universal Engineering Science
Examiner-License No. PX2707 07/15/2024

DATE-1-1-24
REVISED
DRAWING#

SCALE-NA
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467
APPROVED

SHEET 3 OF 7

FIRST FLOOR HEATED SQFT-1792
GARAGE SQFT-
SECOND FLOOR SQFT-
COVERED PORCH -492
TOTAL SQFT-2284

DRAWN FOR-KING
COUNTY -COLUMBIA
CONTRACTOR -CHUCK HUDSON

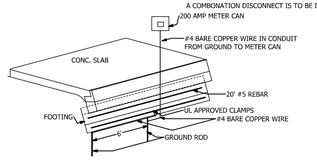
ELECTRICAL SHEET

ELECTRICAL	COUNT	SYMBOL
ceiling fan	4	
ceiling light vent round	2	
exterior light 1	3	
can light	17	
vanity bar light	4	
light	1	
outlet	27	
outlet 220v	3	
outlet gfi	15	
carbon smoke detector	5	
switch	27	$

NOTE:

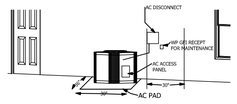
1. ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FIN. FLOOR TO BOTTOM OF BOX TO BE 12'
   - KITCHEN 44"
   - BATHROOM 39"
   - LAUNDRY ROOM 36"
   - WATER PROOF 12"
   - GARAGE GEN 42"
   - RANGE 3"
2. ALL TRIM PLATES AND DEVICES TO BE GANGED, WHERE POSSIBLE
3. ELECTRICAL SWITCHES TO BE AT 44"
4. ELECTRICAL PLAN IS FOR BID PURPOSE ONLY. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C. BY LICENSED ELECTRICIAN , WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION AND SIZING OF ALL ELECTRICAL WIRING AND ACCESSORIES.
5. SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE
6. PROVIDE AFCI(ARC FAULT INTERRUPTERS) IN ALL ROOMS AS PER N.E.C
7. CARBON MONOXIDE ALARM REQUIRED 533.885 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
8. ALL ROOM SHALL HAVE TAMPER PROOF RECEPTACLES
9. ALL SMOKE DETECTORS IN ADDITION AND EXISTING STRUCTURE MUST BE WIRED TOGETHER TO WARN ALL

NOTE: IF METER CAN AND POWER PANEL ARE MORE THAT FIVE FEET APART A COMBONATTION DISCONNECT IS TO BE INSTALLED

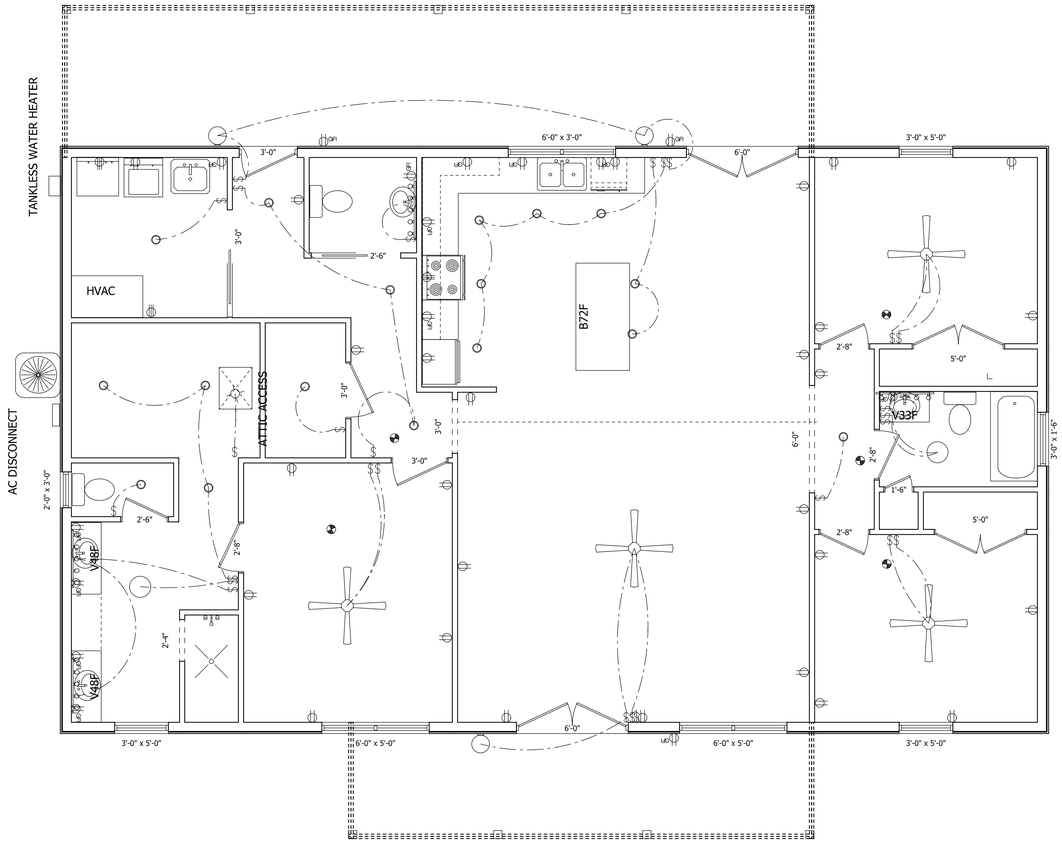


GROUNDING ELECTRODE

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
HEATER 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



OUTSIDE AC EQUIPMENT



Review for Code Compliance
Universal Engineering Science
Examiner License No. PX2707 07/15/2024

RIVERS ENGINEERING, LLC
GREGORY P. RIVERS, PE. FL #35800
1-863-272-4516
20772 NW 252ND ST.HIGH SPRINGS FL 32643

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL
THIS ITEM HAS BEEN DIGITALLY SEALED BY GREG P RIVERS PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND SIGNATURE MUST BE VERIFIED ON ANY ELETRONIC COPIES

GREGORY P. RIVERS LICENSED No 35800 STATE OF FLORIDA PROFESSIONAL ENGINEER

Gregory P Rivers
Digitally signed by Gregory P Rivers
Date: 2024.01.12 12:33:31 -05'00'

DATE-1-1-24
REVISED
DRAWING#
SCALE-NA
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467
APPROVED

SHEET 4 OF 7

FIRST FLOOR HEATED SQFT-1792
GARAGE SQFT-
SECOND FLOOR SQFT-
COVERED PORCH -492
TOTAL SQFT-2284

DRAWN FOR-KING
COUNTY -COLUMBIA
CONTRACTOR -CHUCK HUDSON

ELEVATION SHEET

RIVERS ENGINEERING, LLC
GREGORY P. RIVERS, PE. FL #35800
1-863-272-4516
20772 NW 252ND ST.HIGH SPRINGS FL 32643

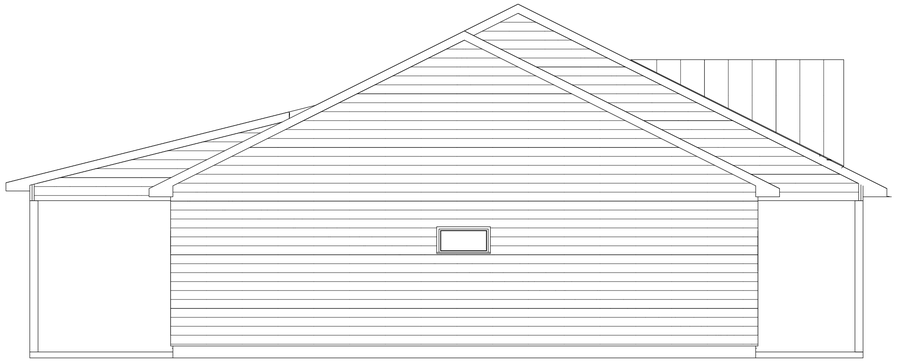
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL
THIS ITEM HAS BEEN DIGITALLY SEALED BY GREG P RIVERS PE ON THE DATE ADJACENT TO THE SEAL PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND SIGNATURE MUST BE VERIFIED ON ANY ELETRONIC COPIES

GREGORY P. RIVERS LICENSED No 35800 STATE OF FLORIDA PROFESSIONAL ENGINEER

Gregory P Rivers
Digitally signed by Gregory P Rivers
Date: 2024.01.12 12:33:43 -05'00'

FRONT ELEVATION

LEFT ELEVATION



RIGHT ELEVATION

REAR ELEVATION

Review for Code Compliance
Universal Engineering Science
Examiner-License No. PX2707 07/15/2024

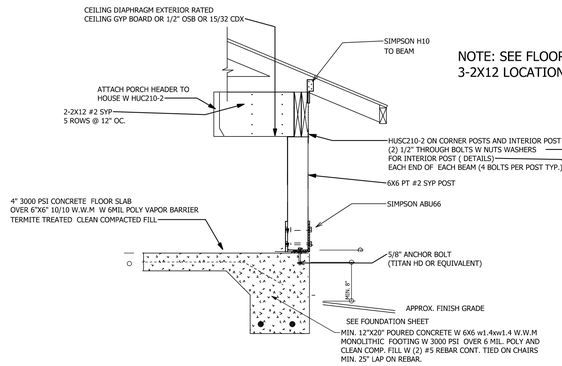
DATE-1-1-24	
REVISED	
DRAWING#	
SCALE-NA	
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467	
APPROVED	

SHEET 5 OF 7

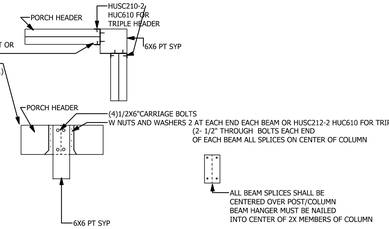
FIRST FLOOR HEATED SQFT-1792
GARAGE SQFT-
SECOND FLOOR SQFT-
COVERED PORCH -492
TOTAL SQFT-2284

DRAWN FOR-KING
COUNTY -COLUMBIA
CONTRACTOR -CHUCK HUDSON

DETAIL SHEET



NOTE: SEE FLOOR PLAN FOR
3-2X12 LOCATION



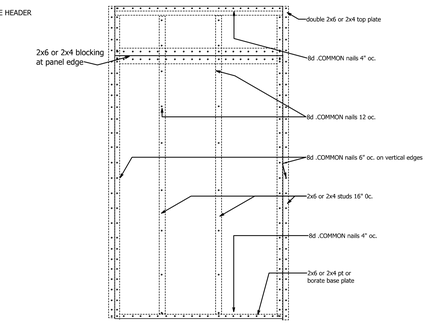
2 AT EACH END EACH BEAM OR HUSC212-2 HUC610 FOR TRIPLE HEADER
(2- 1/2" THROUGH BOLTS EACH END
OF EACH BEAM ALL SPLICES ON CENTER OF COLUMN

ALL BEAM SPLICES SHALL BE
CENTERED OVER POST/COLUMN
BEAM HANGER MUST BE NAILED
INTO CENTER OF 2X MEMBERS OF COLUMN

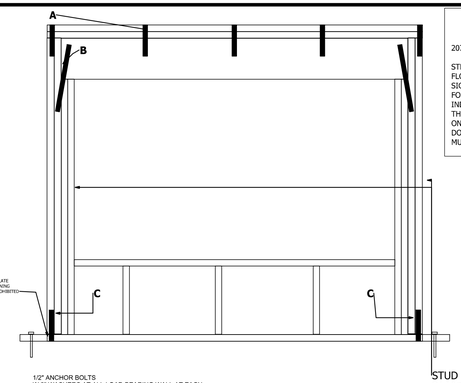
POST / BEAM DETAIL ON 12"X20" MONO FOOTER
W 2# 5 REBAR CONT. W 4" PORCH SLAB

HEADER SCHEDULE SEE FRAMING PLANS FOR EXCEPTIONS						
HEADER CLEAR SPAN (FT) MAX.	HEADER #2 SYP	QTY JACK STUD	QTY FULL STUD	HEADER A	HEADER B	HEADER C
3'	2-2X12	1	2	SP4or6@24"	(1) LSTA15	(1) SPH4/6
6'	(3)2X12	2	2	SP4or6@24"	(2) LSTA15	(2) SPH4/6
8'	NA	2	2	SP4or6@24"	(2) LSTA15	(2) SPH4/6
9'-12'	NA	2	3	SP4or6@24"	(2) LSTA15	(2) SPH4/6
16'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



1/2" ANCHOR BOLTS
W 2" WASHERS AT ALL LOAD BEARING WALL AT EACH
FACE OF EACH CORNER AT EACH SIDE OF EACH OPENING
AT EACH END OF EACH SHEARWALL SEGMENT AT EACH
SIDE OF EACH SPLICE IN BOTTOM PLATE(12" MAX FROM END OF PLATE SPLICE)
AND 48" OC MAX

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

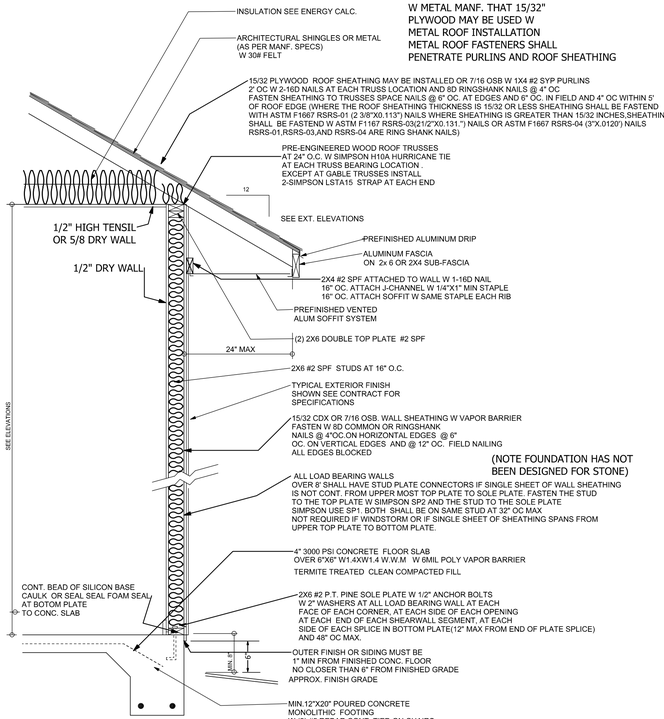
RIVERS ENGINEERING, LLC
GREGORY P. RIVERS, PE. FL #35800
1-863-272-4516
20772 NW 252ND ST.HIGH SPRINGS FL 32643

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL
THIS ITEM HAS BEEN DIGITALLY SEALED BY GREG P RIVERS PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND SIGNATURE MUST BE VERIFIED ON ANY ELETRONIC COPIES

GREGORY P. RIVERS
LICENSE
No. 35800
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Gregory P Rivers
Digitally signed by Gregory P Rivers
Date: 2024.01.12 12:33:55 -05'00'

DATE-1-1-24	REVISED	DRAWING#
SCALE-NA	DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467	APPROVED

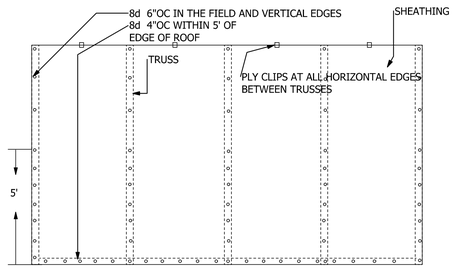


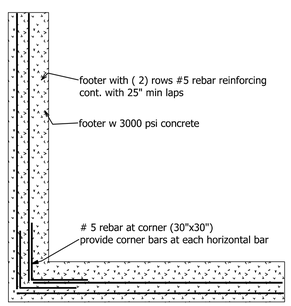
CONTRACTOR SHALL VERIFY
W METAL MANF. THAT 15/32"
PLYWOOD MAY BE USED W
METAL ROOF INSTALLATION
METAL ROOF FASTENERS SHALL
PENETRATE PURLINS AND ROOF SHEATHING

TYPICAL DESIGN WALL SECTION
W MONO FOOTING 4" SLAB
SCALE: NA

Review for Code Compliance
Universal Engineering Science
PX2707 07/15/2024
Examiner-License No.

ROOF SHEATHING NAILING DETAIL
(USE 8D RINGSHANK)





footer reinforcing at corner

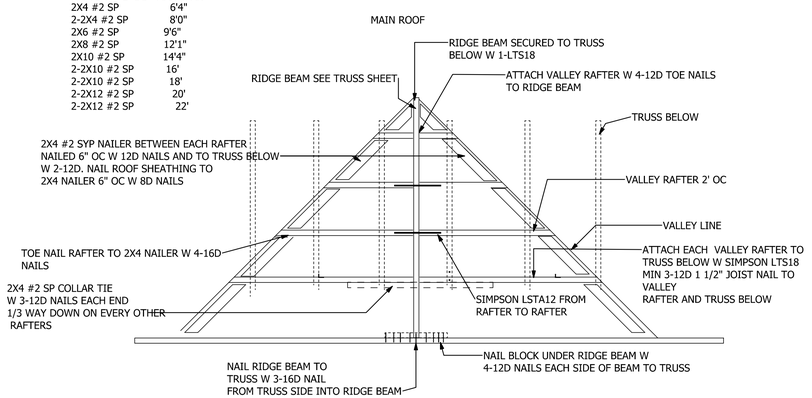
NOTE:
1. MIN GRADE OF #2 MATERIAL IN TOP AND BOTTOM CHORDS
2. L BRACING SPECIFIED ARE TO BE FULL LENGTH GRADES 1X4 SRB OR 2X4 STUD OR BETTER WITH ONE ROW OF 10D NAILS SPACED 12" OC
3. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEG. TO ROOF DIAPHRAGM AT 4' OC
4. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2X6 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
5. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240

MIN STUD SIZE AND GRADE	STUD SPACING	WITHOUT L BRACE	1X4 L BRACE	2X4 L BRACE	DIAGONAL BRACE	1 DIAGONAL BRACES AT-1/3 POINTS
		MAXIMUM STUD LENGTH				
2X4 SPF STD/STUD	12" OC	3'-0"	6'-5"	7'-6.5"	9'-6.5"	13'-9"
2X4 SPF STD/STUD	16" OC	3'-10.5"	6'-0"	7'-1.5"	7'-10.5"	11'-7"
2X4 SPF STD/STUD	24" OC	3'-2.5"	5'-3.5"	6'-3"	6'-4.5"	9'-6.5"

DIAGONAL BRACES OVER 6'3 REQUIRE 2X4 T BRACE
ATTACHED TO ONE EDGE. DIAGONAL BRACES OVER 12'6
REQUIRE 2X4 I BRACE ATTACHED TO BOTH EDGES,
FASTEN T AND I BRACES TI NARROW EDGE OF WEB WITH
10D NAILS 8" OC WITH 3" MIN END DISTANCE. BRACE
MUST COVER 90% OF DIAGONAL BRACE

GABLE BRACE DETAIL

RAFTER @ 2' OC	MAX SPAN
2X4 #2 SP	6'4"
2-2X4 #2 SP	8'0"
2X6 #2 SP	9'6"
2X8 #2 SP	12'1"
2X10 #2 SP	14'4"
2-2X10 #2 SP	16'
2-2X10 #2 SP	18'
2-2X12 #2 SP	20'
2-2X12 #2 SP	22'



VALLEY RAFTER DETAIL

FIRST FLOOR HEATED SQFT-1792
GARAGE SQFT-
SECOND FLOOR SQFT-
COVERED PORCH -492
TOTAL SQFT-2284

DRAWN FOR-KING
COUNTY -COLUMBIA
CONTRACTOR -CHUCK HUDSON

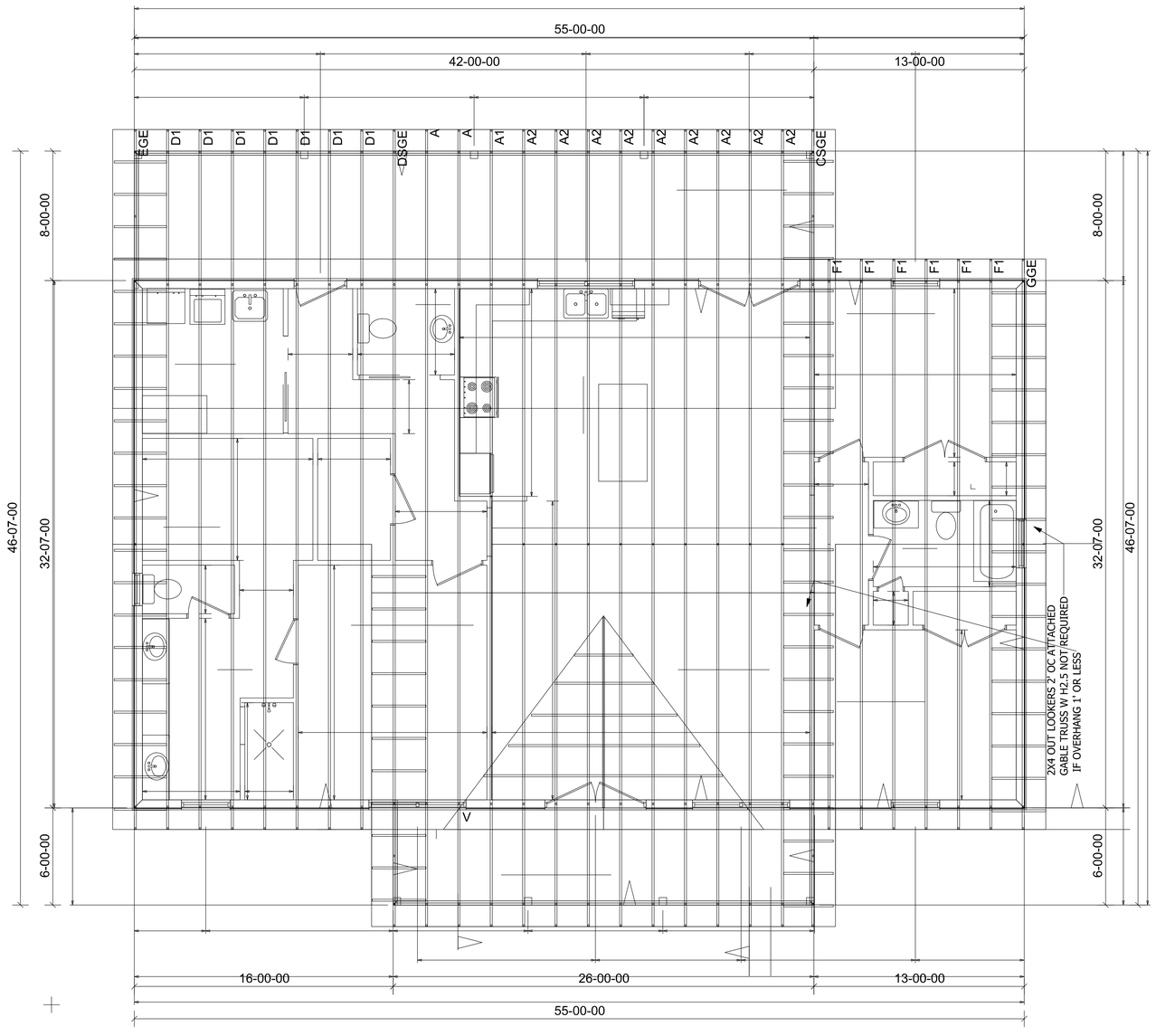
TRUSS SHEET

RIVERS ENGINEERING, LLC
GREGORY P. RIVERS, PE. FL #35800
1-863-272-4516
20772 NW 252ND ST.HIGH SPRINGS FL 32643

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN, OR TO INDICATE CONFORMANCE WITH THE STRUCTURAL
THIS ITEM HAS BEEN DIGITALLY SEALED BY GREG P RIVERS PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND SIGNATURE MUST BE VERIFIED ON ANY ELETRONIC COPIES

GREGORY P. RIVERS LICENSE No 35800 STATE OF FLORIDA PROFESSIONAL ENGINEER

Gregory P Rivers
Digitally signed by Gregory P Rivers
Date: 2024.01.12 12:34:08 -05'00'



Review for Code Compliance
Universal Engineering Science
Examiner-License No. PX2707 07/15/2024

DATE-1-1-24	
REVISED	
DRAWING#	
SCALE-NA	
DRAWN BY- JASON HEMENWAY 352-493-9613/221-2467	
APPROVED	

SHEET 7 OF 7

FIRST FLOOR HEATED SQFT-1792
GARAGE SQFT-
SECOND FLOOR SQFT-
COVERED PORCH -492
TOTAL SQFT-2284

DRAWN FOR-KING
COUNTY -COLUMBIA
CONTRACTOR -CHUCK HUDSON