SPICER – NEW ADDITION
COLUMBIA COUNTY, FLORIDA
STRUCTURAL PLANS

Sheet List Table

SHEET NUMBER	SHEET TITLE
T1	COVER
G1	GENERAL NOTES
S1	FOUNDATION PLAN
S2	ROOF FRAMING PLAN
S3	SECTIONS

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

GARY GILL
LICENSE
No 51942
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/16/26

GILL ENGINEERING SERVICES INC.
163 SW MIDTOWN PLACE, SUITE 101
LAKE CITY, FL 32025
386-590-1242
AUTH #30824
GARY GILL, PE #51942

FVULETICH64@GMAIL.COM
(386) 384-7893

COVER
SPICER ADDITION
COLUMBIA COUNTY, FLORIDA

JOB NUMBER: 121023 SPICER
DESIGNED BY: FV
DRAFTED BY: FV
CHECKED BY: RPB
REVISIONS: 1. 2. 3. 4. 5.
DATE: 12/23/2023
SHEET NO. T1

DESIGN CRITERIA

DESIGN PER 2023 FLORIDA BUILDING CODE - 8TH EDITION

LIVE LOADS:
1. ROOFS AND CANOPIES:
   - 0 TO 200 SF 16PSF
   - 201 TO 600 SF 14PSF
   - OVER 600 SF 12PSF
   - STAIRS 100PSF
   - FLOORS 50PSF
   - CORRIDORS 80PSF
   - LOBBIES 80PSF
   - BALCONIES 60PSF
   - PARTITION LOAD (DEAD LOAD) 20PSF
2. THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION. IMPACT RESISTANT GLAZING IS NOT REQUIRED.

WIND DESIGN INFORMATION
- WIND SPEED: ..... 130 MPH
- CATEGORY: II
- EXPOSURE: ..... B
- INTERNAL PRESSURE: ..... +/- 0.18

CLADDING COMPONANTS
- ZONE 1: 10 S.F. ..... 23.7/-25.9 PSF
- ZONE 2: 10 S.F. ..... 23.7/-30.3 PSF
- ZONE 3: 10 S.F. ..... 23.7/-30.3 PSF
- ZONE 4: 10 S.F. ..... 25.9/-28.1 PSF
- ZONE 5: 10 S.F. ..... 25.9/-34.7 PSF

CONCRETE
1. ALL CONCRETE DESIGNED PER CURRENT EDITION OF ACI 318
2. ALL CONCRETE SHALL BE CONTROLLED CONCRETE.
3. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
   - A. FOUNDATION WALLS, PIERS AND FOOTINGS ..... 3000 PSI
   - B. SLABS ON GRADE ..... 3000 PSI
   - C. ALL OTHER CONCRETE ..... 3000 PSI
4. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A NOMINAL AIR DRY DENSITY OF 145 PCF.
5. PROVIDE CONSTRUCTION JOINTS WHERE SHOWN. OMIT NONE AND ADD NON WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER. SUBMI DRAWINGS SHOWING ALL PROPOSED CONSTRUCTION JOINT LOCATIONS FOR APPROVAL PRIOR TO PREPERATION OF AFFECTED REINFORCEMENT SHOP DRAWINGS.
6. MINIMUM ELAPSED TIME BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE 48 HRS.
7. CONCRETE MIX DESIGN FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR ARCHITECT /ENGINEER REVIEW 30 DAYS PRIOR TO PLACEMENT OF CONCRETE.
8. ALL REINFORCING STEEL ASTM A615 GRADE 60, ALL WELDED WIRE FABRIC ASTM A185

ROUGH CARPENTRY

GENERAL
1. COMPLY WITH THE MOST CURRENT ADDITION OF THE "AFPA NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION MANUAL" AND THE MOST CURRENT ADDITION OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION "TIMBER CONSTRUCTION MANUAL"
2. PROVIDE NEW LUMBER AND PLYWOOD WITH GRADE WHICH INDICATES SPECIES, MILL NUMBER, MOISTURE CONTENT WHEN SURFACED, AND GRADE RO STRESS RATING STAMPS FROM THE ASSOCIATIONS HAVING JURISDICTION.
3. FASTEN STUDS AND RAFTERS WITH WIND TIES/CLIPS: JOISTS AND RAFTERS TO SIDE OF BEAMS WITH HANGERS, AND SHEAR WALLS WITH HOLD-DOWNS USING PROPRIETARY STEEL CONNECTORS.
4. PRESSURE TREAT ALL STRUCTURAL LUMBER IN COMPLIANCE WITH SPECIFICATIONS.
5. PROVIDE HOT DIPPED GALVANIZED OR STAINLESS STEEL FASTENERS AND HARDWARE CONNCTORS AT PRESSURE TREATED STRUCTURAL LUMBER.
6. PROVIDE WOOD HARDWARE CONNECTORS AS MANUFACTURED BY "SIMPSON STRONG-TIE COMPANY INC."

FLOOR AND ROOF CONSTRUCTION
1. PROVIDE SOUTHERN PINE NO. 2 OR BETTER LUMBER FOR JOISTS AND RAFTERS SURFACED DRY WITH MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF DRESSING.
2. LOCATE JOISTS AND RAFTERS DIRECTLY OVER WALL STUDS.
3. PROVIDE DOUBLE JOIST UNDER WALL PARALLEL TO JOISTS.
4. NOTCHES IN JOISTS SHALL NOT EXCEED 1/6 OF THE JOIST DEPTH AND SHALL NOT BE IN THE MIDDLE THIRD OF THE SPAN. BORED HOLES SHALL NOT BE WITHIN 2" OF JOIST EDGES AND SHALL NOT EXCEED 1/3 OF THE DEPTH OF THE JOIST.
5. INSTALL ONE LINE OF 1"X3" CROSS BRIDGING FOR EACH 8'-0" OF FLOOR FRAMING. INSTALL 2" SOLID BLOCKING BETWEEN JOISTS OVER ALL BEAMS OR OTHER SUPPORTING MEMBERS.
6. PROVIDE 5/8" APA STRUCTURAL 1 RATED PLYWOOD SHEATHING EXTERIOR EXPOSURE FOR SUBFLOORS AND COVER WITH 5/8" TONGUE AND GROOVE, INTERIOR TYPE WITH EXTERIOR GLUE, UNDERLAYMENT GRADE PLYWOOD.

PREFABRICATED TRUSSES
1. DESIGN, FABRICATE, AND INSTALL METAL PLATE-CONNECTED TRUSSES MEETING TRUSS PLATE INSTITUTE TPI 1-1995 AND THE MOST CURRENT COPY OF THE AMERICAN FOREST AND PAPER ASSOCIATION "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
2. SUBMIT SHOP DRAWINGS TO THE ARCHITECT SHOWING ERECTION PLAN FABRICATED ASSEMBLIES, AND ACCESSORIES. SHOW MEMBER DESIGNATIONS SIZES AND CONNECTIONS. SUBMIT DESIGN CALCULATIONS PREPARED BY A LICENSED ENGINEER INDICATING STRENGTHS, STABILITY, AND SERVICEABILITY OF MEMBERS AND CONNCTIONS.
3. PROVIDE KILN-DRIED LUMBER MEETING OR EXCEEDING THE FOLLOWING DESIGN VALUES: Fb = 1,400 PSI; Ft = 925 PSI; Fc = 1,500 PSI; AND E = 1,600,000 PSI. APPLY DESIGN ADJUSTMENT FACTORS ACCORDING TO NDS.
4. BRACE ROOF TRUSSES TO PROVIDE STABILITY DURING AND AFTER CONSTRUCTION.

REINFORCING

1. ALL BAR REINFORCEMENT SHALL CONFORM TO ASTM 615 GRADE 60
2. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185.
3. CLEARANCE OF MAIN REINFORCEMENT FROM ADJACENT SURFACES SHALL CONFORM TO THE FOLLOWING (UNLESS OTHERWISE SHOWN IN DETAIL)
   - A. UNFORMED SURFACES IN CONTACT WITH GROUND (FOOTING OR WALL BOTTOM) ..... 3"
   - B. SLABS ON GRADE ..... 2 1/2"
   - C. FORMED SURFACE IN CONTACT WITH GROUND OR EXPOSED TO WEATHER (WALLS, PIERS) ..... 2"
   - D. IN ALL CASES, CLEARANCE NOT LESS THAN DIAMETER OF BARS. NOTE MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE + 1/4" FOR SECTIONS 10" OR LESS AND + 1/2" FOR SECTIONS OVER 10" THICK.
4. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON DRAWINGS.
5. WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE WITH APPLICABLE TYPICAL DETAILS OR SIMILAR TO THAT SHOWN FOR MOST NEARLY SIMILAR SITUATIONS, AS DETERMINED BY THE ARCHITECT/ENGINEER. IN NO CASE SHALL REINFORCEMENT BE LESS THAN MINIMUM PERMITTED BY APPLICABLE CODES.
6. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315)
7. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT/ENGINEER OR OWNER TESTING AGENCY BEFORE CONCRETE IS PLACED.
8. WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, LAPPED AT NECESSARY SPLICES AND HOOKED AT DISCONTINUOUS ENDS.
9. WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH PANEL OR 6" MINIMUM.
10. ALL REINFORCING SPLICES SHALL CONFORM TO THE TABLE(S) PRVIDED IN THE GENERAL NOTES FOR STRENGTH OF CONCRETE BUT IN NO CASE LESS THAN THE REQUIREMENTS OF THE LATEST EDITION OF ACI-318.
11. SLABS AND WALLS SHALL NOT BE SLEEVED OR BOXED OUT OR HAVE THEIR REINFORCING INTERUPTED EXCEPT AS SPECIFICALLY NOTED ON THE DRAWINGS. PROVIDE ADDITIONAL REINFORCEMENT AROUND OPENINGS AS SHOWN IN THE DETAILS.
12. SUBMIT CHECKED SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION OF REINFORCING. DRAWINGS SHALL SHOW REINFORCING DETAILS, INCLUDING SIZE AND SPACING OF BARS AND SUPPORT DETAILS. SHOP DRAWINGS SHALL INDICATE CONSTRUCTION JOINTS, CURBS, DEPRESSIONS, SLEEVES AND OPENINGS, ETC. WITH ALL ADDITIONAL REINFORCING REQUIRED.
13. BAR SUPPORTS SHALL BE GALVANIZED OR STAINLESS STEEL. BAR SUPPORTS IN CONTACT WITH EXPOSE SURFACES SHALL BE GALVANIZED AND PLASTIC TIPPED.

SLAB AND WALL REINFORCING LAP SPLICE LENGTHS

LAP SPLICE LENGTHS FOR REINFORCING IN 4000 PSI CONCRETE ARE AS FOLLOWS:

BAR SIZE	TENSION SPLICE		DEVELOPMENT LENGTH
	TOP	OTHER	
3	21	15	13
4	29	20	17
5	35	25	21
6	43	31	25
7	54	39	32
8	71	51	42

LAP SPLICE LENGTHS FOR REINFORCING IN 3000 PSI CONCRETE ARE AS FOLLOWS:

BAR SIZE	TENSION SPLICE		DEVELOPMENT LENGTH
	TOP	OTHER	
3	21	15	13
4	29	20	17
5	35	25	21
6	46	33	27
7	63	45	37
8	82	59	49

NOTES:
1. LAPPED SPLICE LENGTHS BASED ON ASTM A-615, GADE 60, REBAR
2. REINFORCING BARS ARE CLASSIFIED AS TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BENEATH RESPECTIVE REINFORCING BAR.
3. COMPRESSION SPLICES PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED ON THE DRAWINGS, DETAILS OR SCHEDULS.
4. TENSION SPLICES SHALL BE USED IN ALL BEAMS, SLABS AND WALLS UNLESS OTHERWISE NOTED
5. WHEN LAPPING LARGER BAR WITH SMALLER BAR, LAP LENGTH FOR SMALLER BAR SHALL GOVERN RESPECTIVE SPLICE.
6. SPLICE CONTINUOUS TOP REINFORCING BARS AT CENTER OF CLEAR SPAN WITH COMPRESSION SPLICES.
7. SPLICE CONTINUOUS BOTTOM REINFORCING BARS AT CENTER OF SUPPORTING ELEMENT WITH COMPRESSION SPLICES
8. ALL SPLICE LENGTHS NOTED IN INCHES

SUPPLEMENTARY NOTES

1. ALL CONNECTORS LISTED ARE SIMPSON STRONG-TIE, UON. OTHER MANUFACTURERS MAY BE SUBSTITUTED. SCREW SIZE AND NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CATALOG. ROOF TRUSS CLIPS SHALL BE SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS.
2. TRUSS ENGINEER MAY PROVIDE ALTERNATE CONNECTIONS.
3. PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION, THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.
4. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS. ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.
5. EMBEDMENT FOR EXPANSION BOLTS SHALL BE 6" MINIMUM FOR ½" BOLTS IN CONCRETE, 5 ½" IN GROUTED MASONRY. HILTI KWIK BOLT II OR EQUAL, EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM BY HILTI (HILTI RE500, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL, UON, EMBEDMENT SHALL BE 12 BAR DIAMETERS MINIMUM, UON. HOLES SHALL BE ⅛" LARGER THAN REBAR SIZE, AND ⅛" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.
6. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER IN THE STATE OF THE PROJECT. GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT / ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBE STAMPED" SHALL BE RETURNED WITHOUT REVIEW.
7. CHANGES TO THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS OR REQUESTED IN WRITING. THE CONTRACTOR IS LIABLE FOR ANY DEVIATIONS UNLESS REVIEWED AND ACKNOWLEDGED BY THE ENGINEER. SHOP DRAWING SUBMITTALS SHALL ONLY BE CHECKED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.

TERMITE PROTECTION NOTES:
1. SOIL CHEMICAL BARREIER METHOD.
   A PERMANNENT SIGN THAT IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHAL L BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1042.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLERS SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO FOUNDATION WALL. FBC 1816.1.1
4. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
5. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
6. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ILMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
7. MINIMUM 6 MIL VAPOR RETATRDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
8. CONCRTE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC. 1816.1.5
9. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
10. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1916.1.6
11. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. FBC 1816.1.6
12. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE, "THE BUILDING HAS RECEIVED A COMPLTE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7
13. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 503.1.3
14. NO WOOD, VEGETATION , STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 3203.1.4

GARY GILL LICENSE No 51942 STATE OF FLORIDA PROFESSIONAL ENGINEER

2/6/24

GILL ENGINEERING SERVICES INC.
163 SW MIDTOWN PLACE, SUITE 101
LAKE CITY, FL 32025
386-590-1242
AUTH #30824
GARY GILL, PE #51942

Gill Engineering Services, Inc.

GENERAL NOTES
SPICER ADDITION
COLUMBIA COUNTY, FLORIDA

JOB NUMBER: 121023 SPICER
DESIGNED BY: FV | DRAFTED BY: FV | CHECKED BY: RPB

REVISIONS: 1. 2. 3. 4. 5.

DATE: 12/23/2023

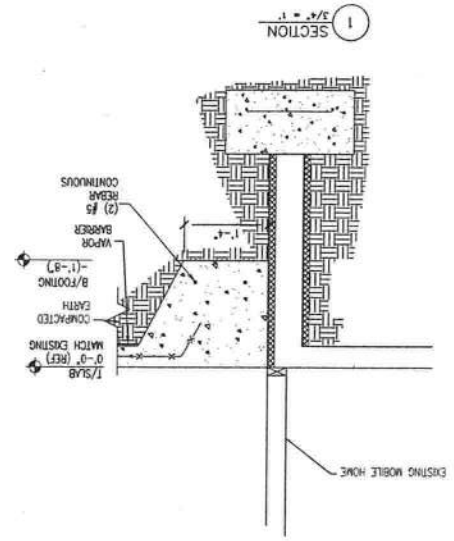
SHEET NO. G1

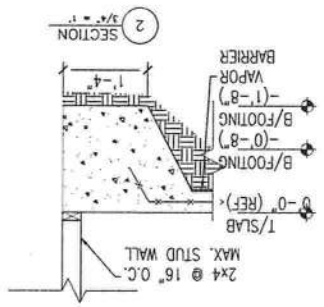
FVULETICH64@GMAIL.COM
(386) 364-7893

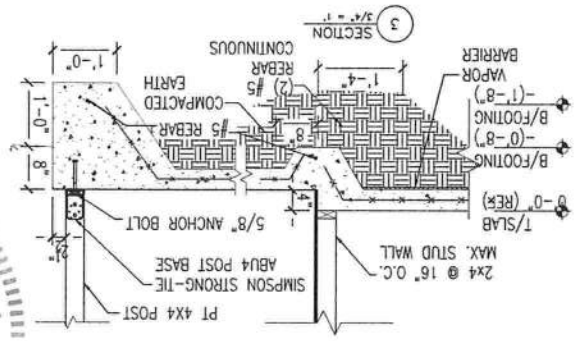
FOUNDATION PLAN

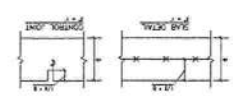
SPICER ADDITION

COLUMBIA COUNTY, FLORIDA



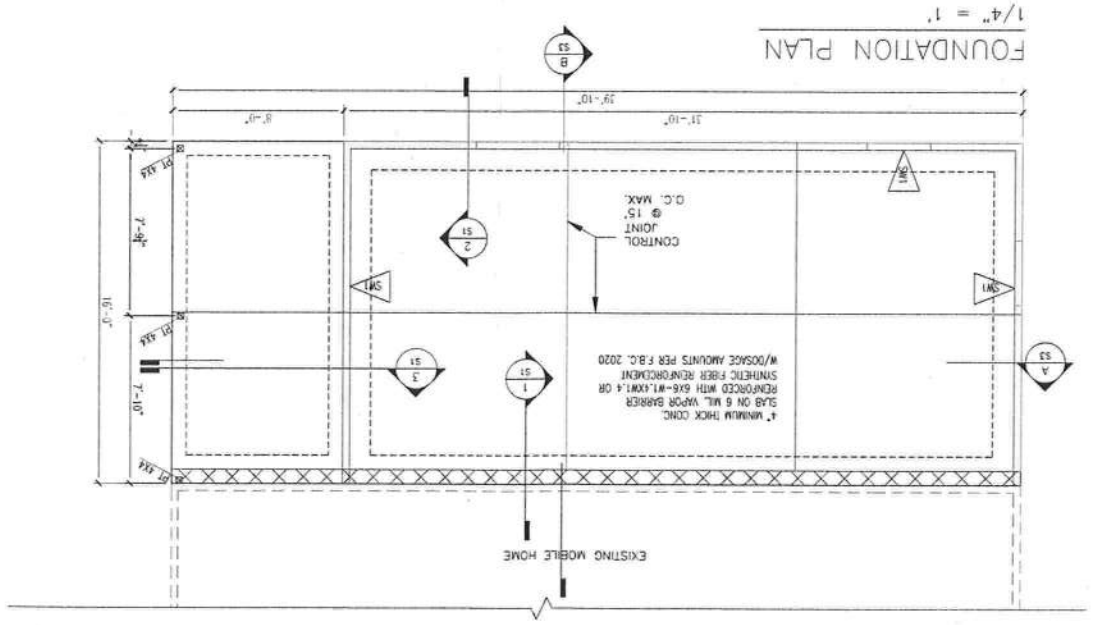






FOUNDATION PLAN

1/4" = 1'



GILL ENGINEERING SERVICES INC.
163 SW MIDTOWN PLACE, SUITE 101
LAKE CITY, FL 32025
386-590-1242
AUTH #30824
GARY GILL, PE #51942

Gill Engineering Services, Inc.

JOB NUMBER:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
121023	FV	FV	RPB

DATE: 06/26/2022

SHEET NO.: S1

REVISIONS:
1.
2.
3.
4.
5.

FVGILLETCH64@GMAIL.COM
(386) 364-7893

ROOF FRAMING PLAN

SPICER ADDITION

COLUMBIA COUNTY, FLORIDA

JOB NUMBER:	DATE
121023	06/26/2022

DESIGNED BY:	DRAWN BY:	CHECKED BY:
FV	FV	RPB

REVISIONS:
1
2
3
4
5

SHEET NO.
S2

GILL ENGINEERING SERVICES INC.
163 SW MIDTOWN PLACE, SUITE 101
LAKE CITY, FL 32025
386-590-1242
AUTH #30824
GARY GILL, PE #51942

FVULETICH64@GMAIL.COM
(386) 364-7893

BEAM SCHEDULE

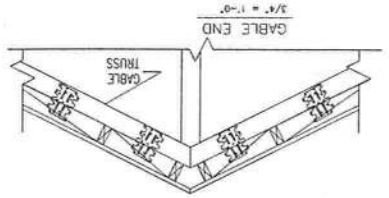
SYMBOL	MARK	DESCRIPTION
≡≡	B1	(2) 2"X10" W/ ½" PLYWOOD FILL

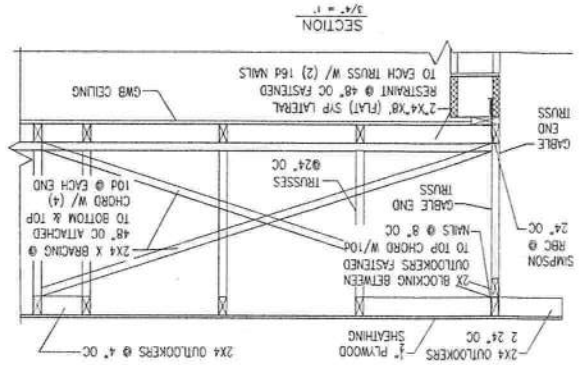
TRUSS FASTENER SCHEDULE (SIMPSON STRONG-TIE)

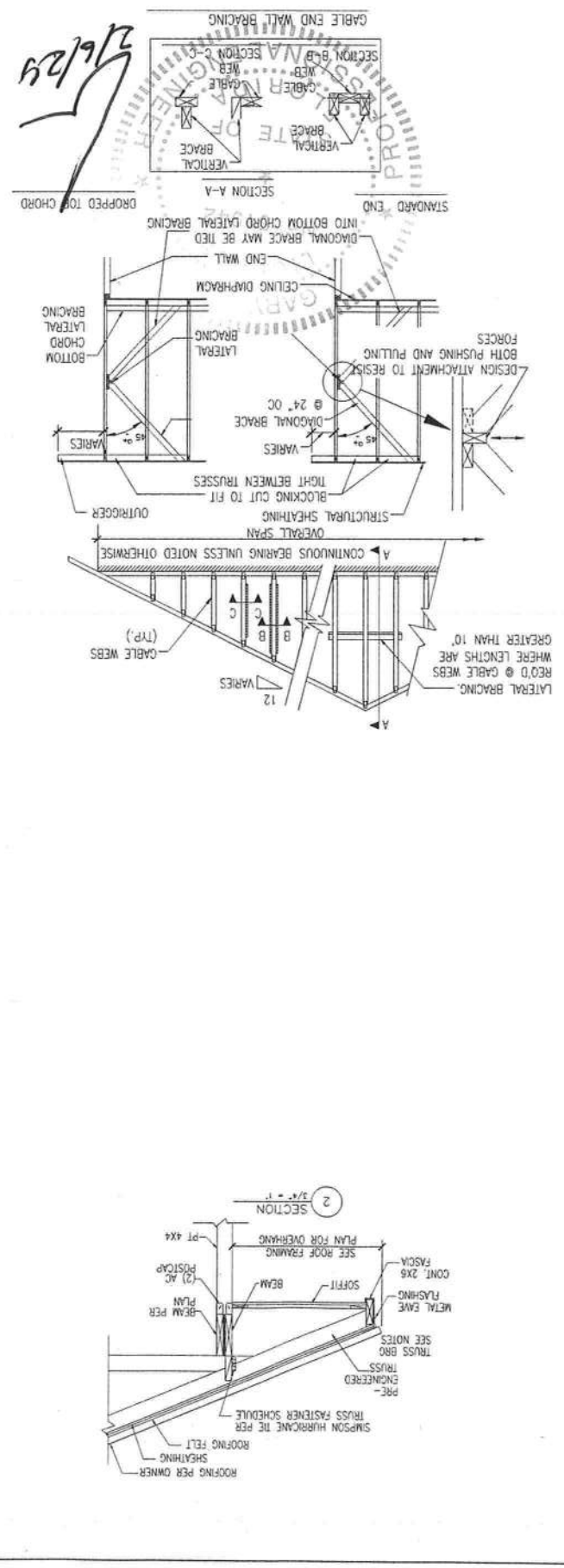
LOCATION	PLY	UPLIFT	FASTENER	NAILS REQUIRED	QUANT	TRUSS	PLATE
						ITEM #	
ROOF TRUSS	1	<600 #	1	H2.5A	(3) 8d	(3) 8d	
	1	<1140 #	1	H10A	(9) 10dx1½	(9) 10dx1½	
	1	<1010 #	1	H10S	(8) 8dx1½	(8) 8dx1½	
	2	<1245 #	1	H10A-2	(9) 10dx1½	(9) 10dx1½	
	1	<1250 #	1	H14	(12) 8dx1½	(12) 8dx1½	
	2	<2150 #	1	LSI2	(14) 16d SINKERS	(16) 16d SINKERS	
	3	<3685 #	1	LSI3-SDS2.5	(26) 16d SINKERS	(12) SDS 1"x3"	
	2 MIN.	<4940 #	1	VGT	(18) SDS 1"x3"	(1) ⅜" BOLT	
	2	<7165 #	2	VGT	(22) SDS 1"x3"	(2) ⅜" BOLT	
	3 MIN.	<6890 #	2	VGT	(32) SDS 1"x3"	(1) ⅜" BOLT	

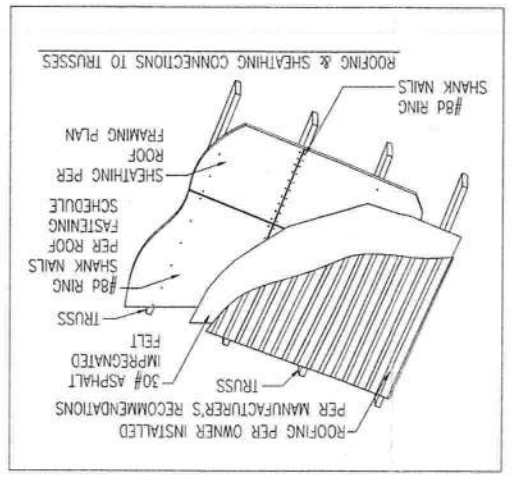
STUD FASTENER SCHEDULE

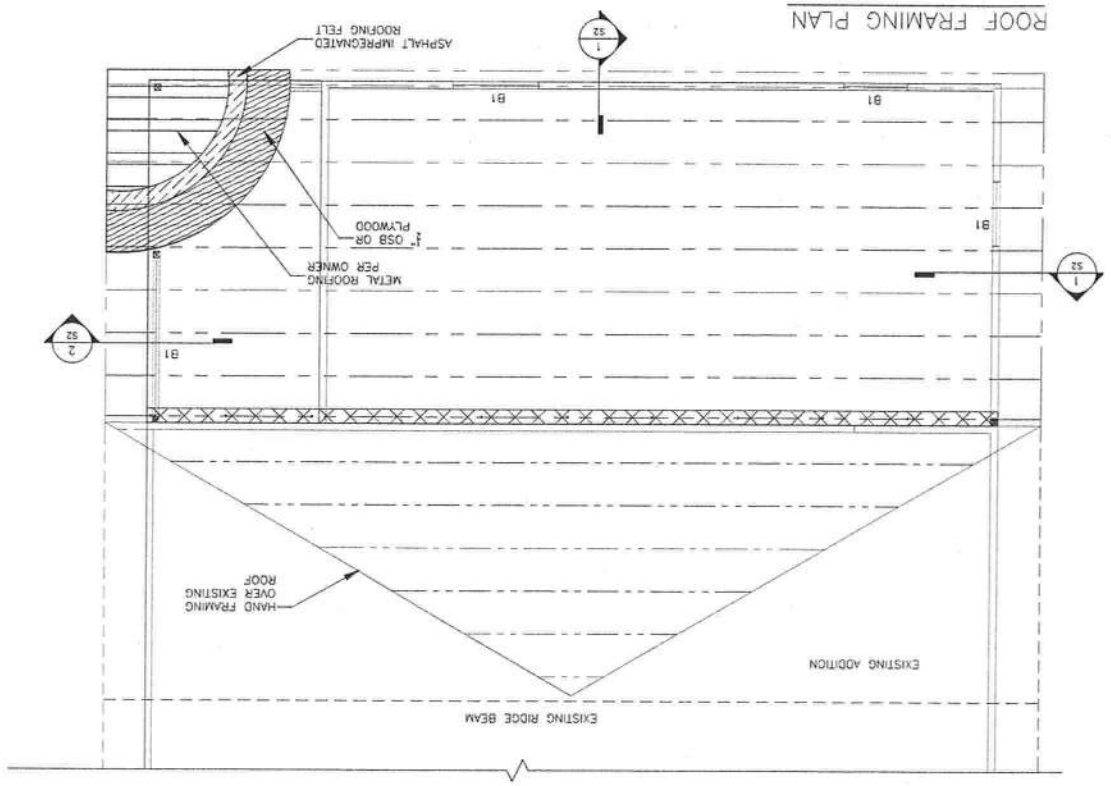
LOCATION	STUD/PLATE	TRUSS UPLIFT	UPLIFT ON STUD	SPACING (STAGGERED)		FASTENER		NAILS REQUIRED	
				TOP PLATE	BOTTOM PLATE	QUANTITY	ITEM #	STUD	PLATE
STUD	2X4	< 549 #	< 368 #	32" O.C.	32" O.C.	1	SP4	(6) 10D X 1½	–
	2X6	< 549 #	< 368 #	32" O.C.	32" O.C.	1	SP6	(6) 10D X 1½	–
	2X	< 743 #	< 445 #	32" O.C.	32" O.C.	1	SP2	(6) 10D	(6) 10D
	2X	< 1328 #	< 860 #	16" O.C.	16" O.C.	1	SP2	(6) 10D	(6) 10D
	2X	< 1015 #	< 680 #	32" O.C.	32" O.C.	1	SPH4	(12) 10D X 1½	–
	2X	< 2029 #	< 1360 #	16" O.C.	16" O.C.	1	SPH4	(12) 10D X 1½	–
	2X	< 1015 #	< 680 #	32" O.C.	32" O.C.	1	SPH6	(12) 10D X 1½	–
	2X	< 2029 #	< 1360 #	16" O.C.	16" O.C.	1	SPH6	(12) 10D X 1½	–

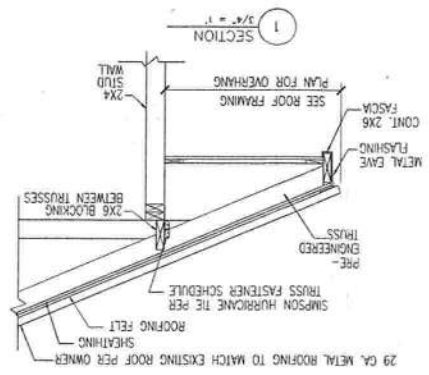


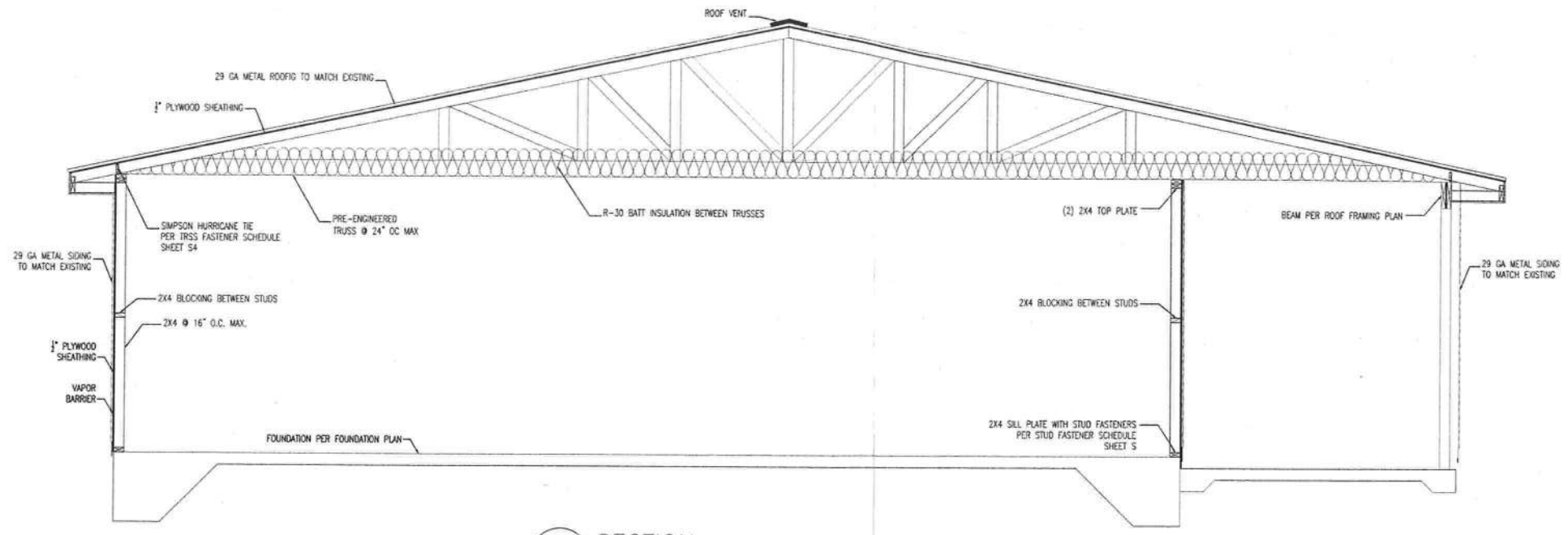




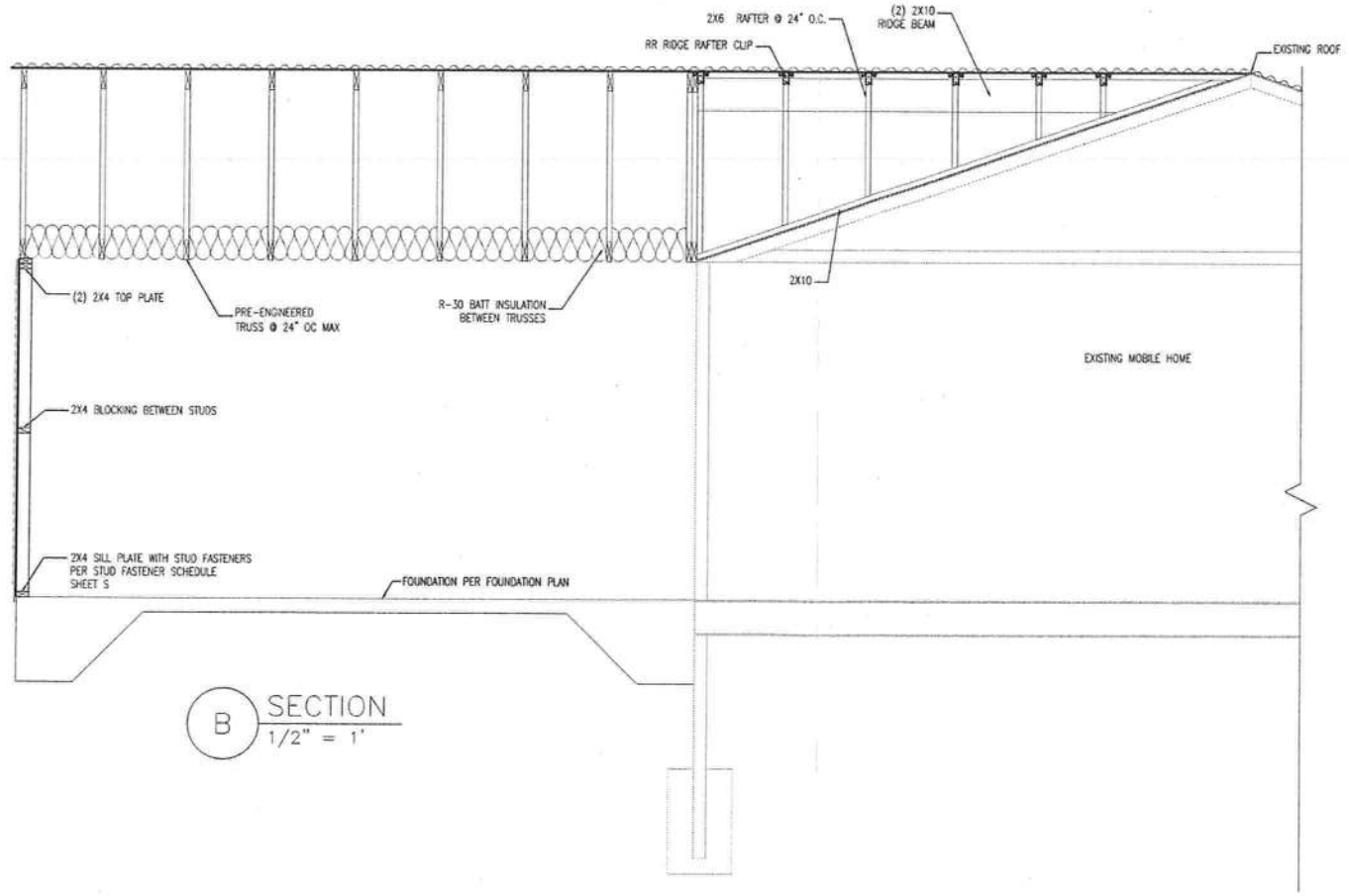








A SECTION
1/2" = 1'



B SECTION
1/2" = 1'

GARY GILL
LICENSE
No. 51942
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

2/6/21

GILL ENGINEERING SERVICES INC.
163 SW MIDTOWN PLACE, SUITE 101
LAKE CITY, FL 32025
386-590-1242
AUTH #30824
GARY GILL, PE #51942

Gill Engineering Services, Inc.

FVDULETICH64@GMAIL.COM
(386) 364-7893

SECTIONS

SPICER ADDITION

COLUMBIA COUNTY, FLORIDA

REVISIONS:
1.
2.
3.
4.
5.

JOB NUMBER:	121023
DESIGNED BY:	FV
DRAWN BY:	FV
CHECKED BY:	RPB

DATE: 06/26/2022

SHEET NO. S3