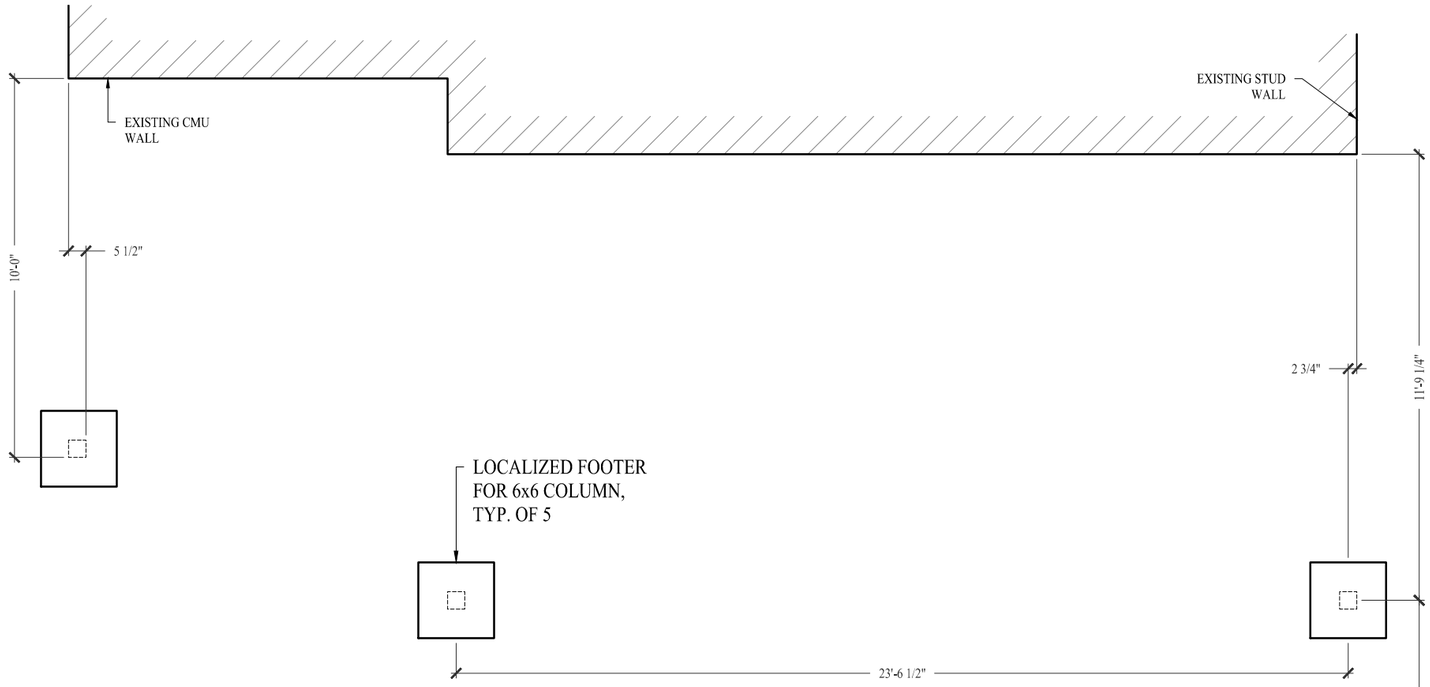
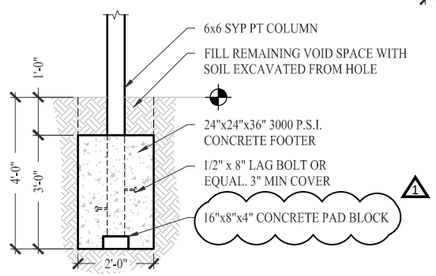


1 S-100 FOUNDATION PLAN
SCALE: 1/4" = 1'-0



2 S-100 LOCALIZED FOOTER TYPICAL DETAIL
SCALE: NTS

CONCRETE & RELATED REQUIREMENTS

1. CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318," AND "MANUAL CONCRETE PRACTICE, PART 1 ACI 305 & ACI 306," & "MANUAL OF CONCRETE PRACTICE, PART 1 ACI 305 & 308" LATEST EDITION
2. CEMENT FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C 150
3. AGGREGATES FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C 33
4. WATER FOR CONCRETE SHALL BE POTABLE WATER
5. OPTIONAL: TEST CONCRETE FOR COMPRESSION WITH 1 SET OF 3 CYLINDERS FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED ON A GIVEN DAY. BREAK 1 CYLINDER @ 7 DAYS AND THE OTHERS @ 28 DAYS, TESTING WILL BE PAID FOR BY OWNER
6. CONCRETE SHALL HAVE STRENGTHS AND CHARACTERISTICS AS INDICATED ELSEWHERE THESE PLANS
7. SAWED JOINTS MUST BE SAWED WITHIN 24 HOURS OF PLACEMENT OF CONCRETE
8. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615 GR 60 UNLESS OTHERWISE NOTED
9. SLAB REINFORCING SHALL BE IN TOP ½ OF SLAB OR AS ILLUSTRATED
10. VIBRATE OR SCREEN ALL CONCRETE THOROUGHLY INTO PLACE
11. MINIMUM COVER OF REINFORCEMENT SHALL BE AS REQUIRED BY CODE
12. MOIST CURE CONCRETE FOR 7 DAYS AFTER PLACING
13. PROVIDE VAPOR BARRIER OF POLYETHYLENE ON TOP OF SLAB(S)
14. PLACE CONTROL JOINTS IN SLAB TO PROVIDE MAXIMUM SLAB SIZE OF 600 SQUARE FEET
15. CONCRETE TEMPERATURE SHALL NOT EXCEED 90 DEGREES F DURING PLACEMENT
16. CONCRETE SHALL BE PLACED IN A MANNER TO PREVENT SEGREGATION
17. CONCRETE SHALL NOT BE ALLOWED TO FREE FALL MO THAN 60 INCHES
18. AREAS TO RECEIVE CONCRETE SHALL BE CLEAR OF ANY DEBRIS AND SHALL HAVE REINFORCING STEEL PROPERLY POSITIONED PRIOR TO CONCRETE PLACEMENT
19. FOR LOCATION OF CONTROL OR CONSTRUCTION JOINTS OTHER THAN THOSE ILLUSTRATED VERIFY W/ ENGINEER
20. ANCHOR BOLT SHALL MEET THE REQUIREMENTS OF ASTM A 307
21. ANCHOR BOLTS AND DOWELS SHALL BE SET IN SUCH A MANNER THAT THEIR FULL EMBEDDED LENGTH SHALL BE COVERED WITH CONCRETE
22. LAP SPLICES SHALL BE 40 BAR DIAMETERS OR AS SHOWN OR NOTED ELSEWHERE THESE PLANS
23. DETAILING, FABRICATION AND PLACEMENT OF REINFORCEMENT STEEL SHALL CONFORM TO CURRENT CRSI AND ACI SPECIFICATIONS
24. REINFORCING STEEL SHALL BE FREE OF LOOSE RUST, MIL SCALE AND COATING THAT WOULD REDUCE OR DESTROY BOND
25. REINFORCING BARS SHALL NOT BE REDUCED IN SECTION, KINKED OR BENT OTHER THAN INDICATED
26. SUPPORT REINFORCING STEEL IN CHAIRS
27. KEEP ONE SET OF CONCRETE CYLINDERS ON SITE AT ALL TIMES TO MAKE SAMPLES IN CASE CONCRETE CHARACTER CHANGES

REINFORCING STEEL

1. REINFORCING STEEL SHALL BE #5 UNLESS OTHERWISE NOTED
2. ALL REINFORCING STEEL SHALL BE A MINIMUM OF GRADE 40 AND IDENTIFIED IN ACCORDANCE W/ ASTM A615, A616, A617 OR A 706
3. SPLICES SHALL BE LAP SPLICES W/ A MINIMUM OF 25" FOR #5 BARS
4. FOR MINIMUM COVER OVER REINFORCEMENT - SEE DETAILS & SECTIONS ELSEWHERE THESE PLANS
5. ALL REINFORCEMENT IN CMU'S SHALL EXTEND A MINIMUM 6" INTO ALL FOOTINGS W/ A 6" STANDARD BEND

METAL ACCESSORIES

1. ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A36 & A366 AS REQUIRED
2. LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR OR GROUT W/ A MINIMUM COVER OF 5/8" WHEN EXPOSED TO EARTH OR WEATHER AND A MINIMUM OF ½" WHEN NOT EXPOSED TO EARTH OR WEATHER
3. METAL ACCESSORIES USED IN EXTERIOR WALL CONSTRUCTION SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM A153 CLASS B-2
4. METAL ACCESSORIES USED IN INTERIOR WALL CONSTRUCTION SHALL BE MILL GALVANIZED IN ACCORDANCE W/ ASTM A641, CLASS 1

FILL COMPACTION

1. PRIOR TO GRADING OPERATIONS ALL SOIL, ORGANIC LITTER AND FILL SHALL BE STRIPPED FROM BUILDING AREA
2. COMPACTION SHALL NOT BE LESS THAN 98% OF THE STANDARD PROCTOR DENSITY
3. ALL FILL MATERIAL SHALL BE INORGANIC W/ NOT MORE THAN 30% BY WEIGHT FINER THAN 200 U.S. STANDARD SIEVE CONFORMING TO
   a. LIQUID LIMIT, LW.....30, MAXIMUM
   b. ELASTICITY, LW.....15, MAXIMUM
   c. DRY UNIT WEIGHT.....100 LBS. PER CU.FT.
4. ALL FILL MATERIAL SHALL BE UNIFORMLY PLACED @ OPTIMUM MOISTURE CONTENT IN 6" UNIFORM LAYERS AND COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR IN ACCORDANCE W/ ASTM D698T
5. FOOTINGS EXCAVATIONS SHALL BE INSPECTED PRIOR TO PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS REST UPON SOUND EARTH
6. ALL SUBGRADES MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED
7. SUBGRADE MUST BE ACCURATE WITHIN ¼" OF THE DESIGNATED LEVEL
8. ANY WALL WHICH IS TO RECEIVE BACK FILL ON BOTH SIDES SHALL HAVE THE BACK FILL PLACED SIMULTANEOUSLY ON BOTH SIDES IN EVEN LAYERS AS PREVIOUSLY DESCRIBED SO AS NOT TO APPLY UNEVEN LOADS

GENERAL

1. FOOTINGS SHALL BE LEVEL OR STEPPED AS INDICATED ON PLAN VIEWS & DETAILS OR SECTIONS
2. SOIL, WASTE PIPES OR BUILDING DRAINS PASSING UNDER A FOOTING OR THROUGH A FOUNDATION SHALL BE PROVIDED W/ A RELIEVING ARCH OR AN IRON PIPE SLEEVE A MINIMUM OF 2 - PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH
3. STEM WALLS SHALL EXTEND NO GREATER THAN 3 FEET ABOVE THE FINISH GRADE AND CONSTRUCTED W/ THE PREVIOUSLY DESCRIBED MASONRY UNITS
4. ALL STATE AND LOCAL CODES SHALL BE COMPLIED WITH BY THE CONTRACTOR

ADAM T. COLLINS LICENSE No. 75584 STATE OF FLORIDA PROFESSIONAL ENGINEER

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ADAM COLLINS ENGINEERING INC.

CLIENT
BETHANY AND MATT GERBEC
125 SW SEVILLE PLACE
LAKE CITY, FL 32024

PROJECT
GERBEC CARPORT AND REMODEL

NO.	REVISIONS	DATE	BY
1	FOOTER REVISION	2018.07.18	ATC

DATE	2018.07.18
DRAWN	ATC
DESIGNED	ATC
CHECKED	ATC
JOB No.	18024

SUBMITTALS	DATE
COLUMBIA COUNTY BLDG DEPT.	2018.06.22
OWNER REVISIONS	2018.07.05

DIGITAL CERTIFICATION
THIS DOCUMENT HAS BEEN ELECTRONICALLY SEALED IF A CERTICATION STAMP IS SHOWN ADJACENT TO THIS STATEMENT. THIS DOCUMENT IS NOT VALID UNLESS THE ENTITIY THAT PRINTED THIS DOCUMENT IS IN POSSESSION OF THE AUTHENTICATED ELECTRONIC FILE FROM WHICH SAID DOCUMENT IS DERIVED.

Digitally signed by Adam Collins
DN: c=US, st=Florida, l=Live Oak, o=Adam Collins Engineering, Inc., cn=Adam Collins, email=adam@collinseng.com
Date: 2018.07.18 15:55:31 -04'00'

DRAWING SCALE
AS SHOWN

SHEET TITLE
FOUNDATION PLAN

REVISION NUMBER 1
SHEET NO.
S-100

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