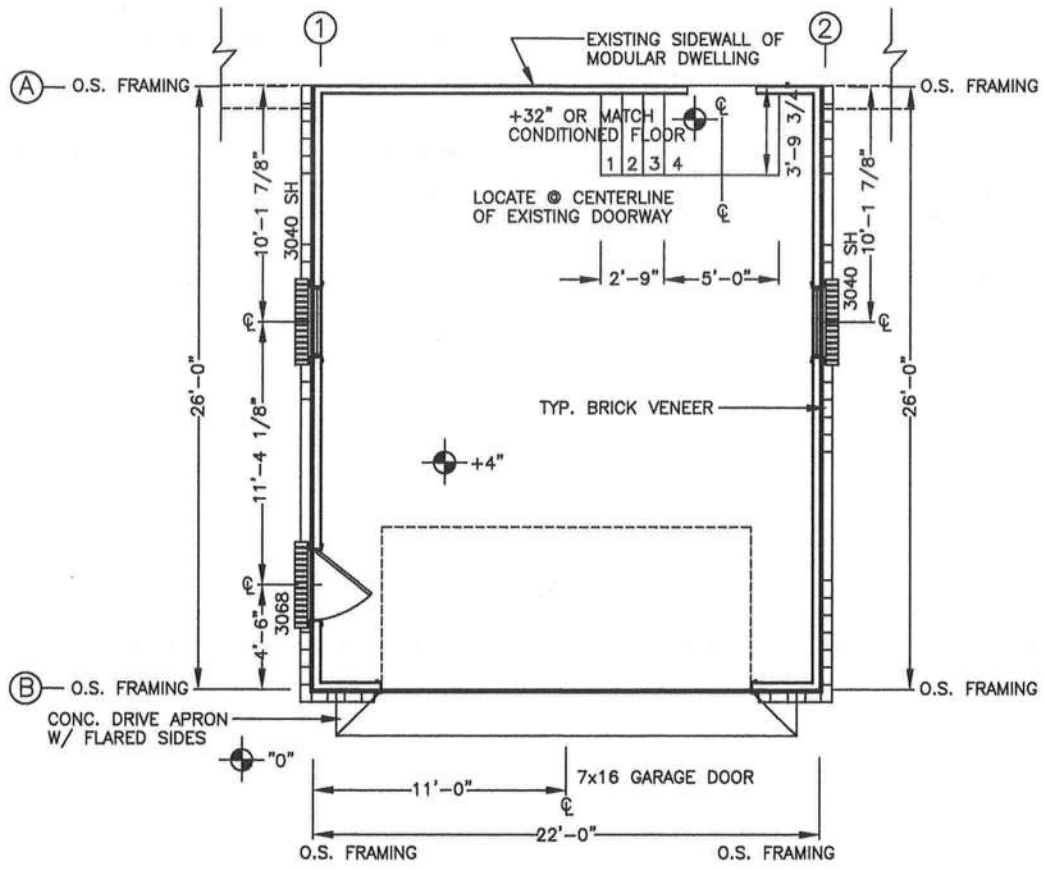
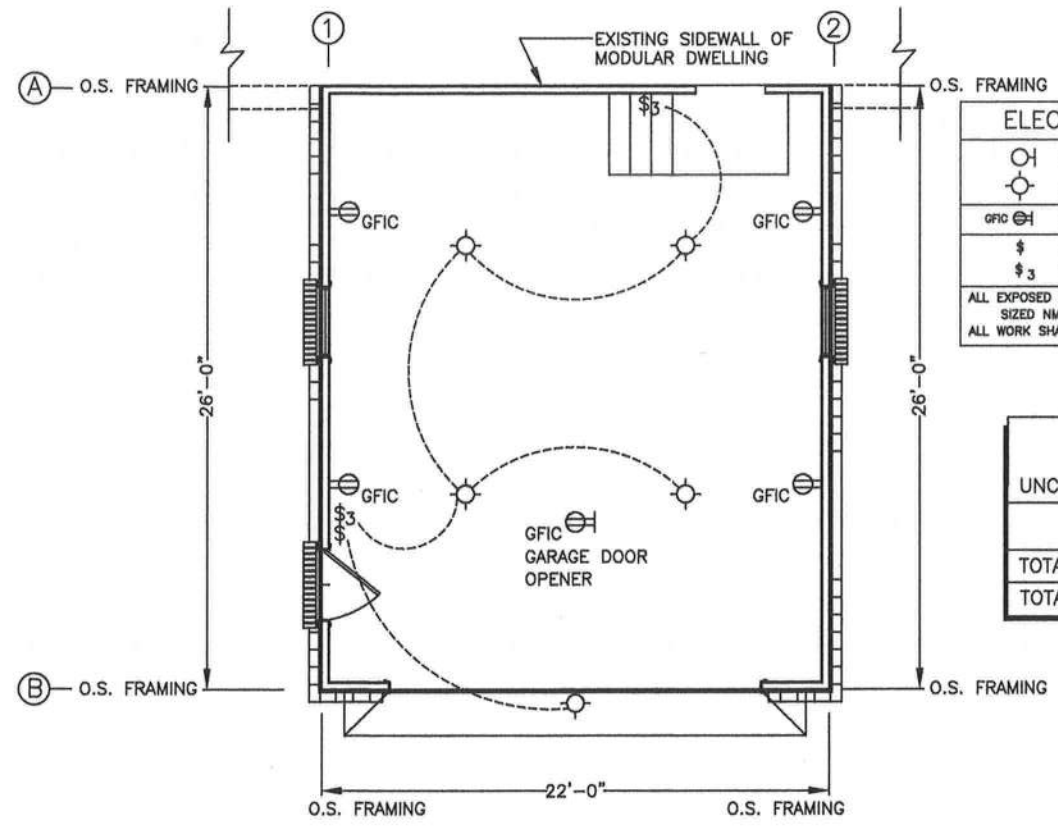
5



1 A2.0.0 FLOOR PLAN VIEW
SCALE: 1/8" = 1'-0



2 A2.0.0 ELECTRICAL PLAN VIEW
SCALE: 1/8" = 1'-0

SCALE NOTE:
PLAN VIEW: 1/8"=1'-0
ELEVATIONS: 1/8"=1'-0

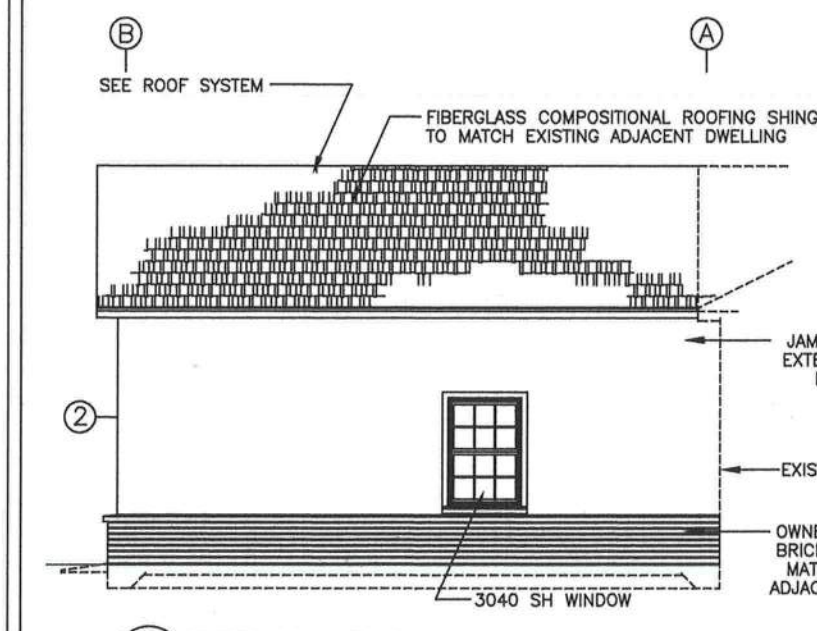
ELECTRICAL FIXTURE SYMBOLS

	WALL BRACKET MOUNTED INCANDESCENT OR HID FIXTURE – WET LOCATION RATED
	SURFACE MOUNTED FIXTURE – DAMP LOCATION RATED
GFIC	DUPLEX RECEPTACLE W/ GROUND FAULT CIRCUIT INTERRUPTER, WALL MOUNTED
$	SINGLE POLE TOGGLE SWITCH MOUNTED @ 48" A.F.F.
$3	THREE-WAY TOGGLE SWITCH

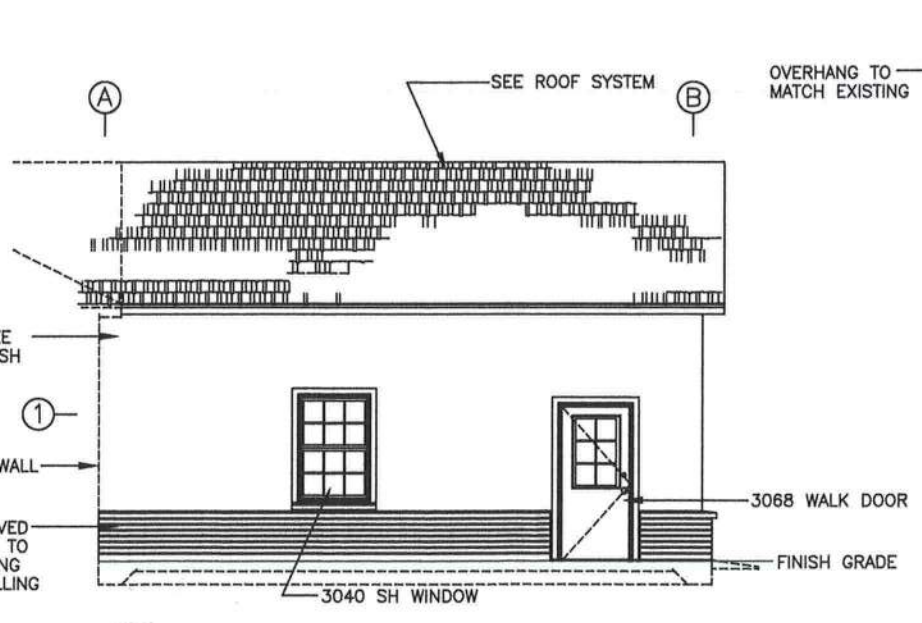
ALL EXPOSED ELECTRICAL SERVICE TO ITEMS INDICATED ON THE PLAN VIEW SHALL BE IN APPROPRIATELY SIZED NMT CONDUIT PER THE LATEST EDITION OF THE N.E.C.
ALL WORK SHALL BE IN ACCORDANCE W/ THE LATEST EDITION OF THE FLORIDA ELECTRICAL CODE

UNCONDITIONED GARAGE	572.00 S.F.
TOTAL UNCONDITIONED AREAS	572.00 S.F.
TOTAL NEW CONSTRUCTION AREA	572.00 S.F.

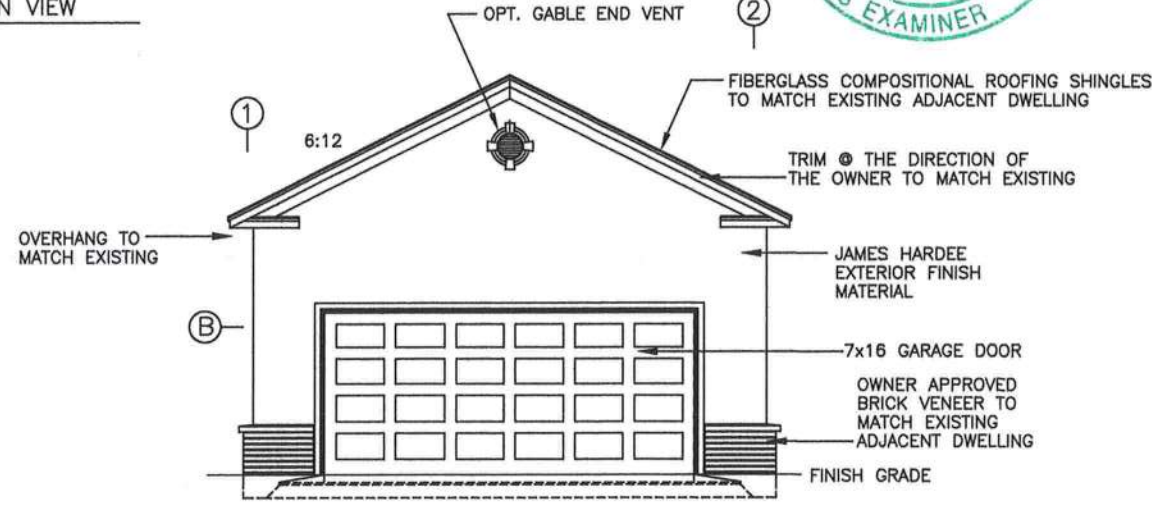
COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER



3 A2.0.0 EXTERIOR SIDEWALL ELEVATION
SCALE: 1/8" = 1'-0



4 A2.0.0 EXTERIOR SIDEWALL ELEVATION
SCALE: 1/8" = 1'-0



5 A2.0.0 EXTERIOR SIDEWALL ELEVATION
SCALE: 1/8" = 1'-0

CERTIFICATION:

THESE PLANS FOR THE BROWN GARAGE ADDITION WILL COMPLY WITH SECTION 1609 OF THE FLORIDA BUILDING CODE, 2010 EDITION FOR A 120 MPH WIND LOAD, 3 SECOND GUST, EXPOSURE C, WITH THE INTERNAL PRESSURE OF + 0.18 AND – 0.18 INCLUDED IN THESE LOADS.

COMPONENTS/CLADDING ROOF = – 37.32 PSF, + 10.98 PSF

COMPONENTS/CLADDING WALLS = – 24.15 PSF, + 21.95 PSF

PROJECT No.	BROWN–A2.0.0.DWG
SHEET No.	A2.0.0
DATE	04/29/13

DIMENSIONED FLOOR & ELECTRICAL PLAN VIEWS
EXTERIOR FINISH ELEVATIONS
MISC. NOTES, REFERENCES & INSTRUCTIONS

Curtis E. Keen 5/6/13
Curtis E. Keen, PE #23836
Certification of Authorization #3761
DATE:

BROWN RESIDENCE
COLUMBIA COUNTY, FLORIDA

KEEN ENGINEERING & SURVEYING, INC.
9263 CR 417
LIVE OAK, FLORIDA 32060
386–362–4787
ENG. LIC. EB 3761

CONCRETE & RELATED REQUIREMENTS

CONCRETE

1. CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318," & "MANUAL CONCRETE PRACTICE, PART 1 ACI 305 & ACI 306," & MANUAL OF CONCRETE PARACTICE, PART 1 ACI 305 & 306" LATEST EDITION
2. CEMENT FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C 150
3. AGGREGRATES 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. NOT USED
10. NOT USED
11. SLAB REINFORCING SHALL BE IN TOP 1/2 OF SLAB OR AS ILLUSTRATED
12. VIBRATE OR SCREEN ALL CONCRETE THOROUGHLY INTO PLACE
13. MINUMUM COVER OF REINFORCEMENT SHALL BE AS REQUIRED BY CODE
14. MOIST CURE CONCRETE FOR 7 DAYS AFTER PLACING
15. PROVIDE VAPOR BARRIER OF POLYETHELENE UNDER SLAB(S)
16. PLACE CONTROL JOINTS IN SLAB TO PROVIDE MAXIMUM SLAB SIZE OF 600 SQUARE FEET
17. CONCRETE TEMPERATURE SHALL NOT EXCEED 90 DEGREES F DURING PLACEMENT
18. CONCRETE SHALL BE PLACED IN A MANNER TO PRVENT SEGREGATION
19. CONCRETE SHALL NOT BE ALLOWED TO FREE FALL MORE THAN 60 INCHES
20. AREAS TO RECEIVE CONCRETE SHALL BE CLEAR OF ANY DEBRIS AND SHALL HAVE REINFORCING STEEL PROPERLY POSITIONED PRIOR TO CONCRETE PLACEMENT
21. FOR LOCATION OF CONTROL OR CONSTRUCTION JOINTS OTHER THAN THOSE ILLUSTRATED VERIFY W/ ENGINEER
22. NOT USED
23. ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A 307
24. ANCHOR BOLTS AND DOWELS SHALL BE SET IN SUCH A MANNER THAT THEIR FULL EMBEDDED LENGTH SHALL BE COVERED WITH CONCRETE
25. LAP SPLICES SHALL BE 40 BAR DIAMETERS OR AS SHOWN OR NOTED ELSEWHERE THESE PLANS
26. DETAILING, FABRICATION AND PLACEMENT OF REINFORCEMENT STEEL SHALL CONFORM TO CURRENT CRSI AND ACI SPECIFICATIONS
27. REINFORCING STEEL SHALL BE FREE OF LOOSE RUST, MIL SCALE AND COATINGS THAT WOULD REDUCE OR DESTROY BOND
28. REINFORCING BARS SHALL NOT BE REDUCED IN SECTION, KINKED OR BENT OTHER THAN INDICATED
29. NOT USED
30. SUPPORT REINFORCING STEEL IN CHAIRS
31. KEEP ONE SET OF CONCRETE CYLINDERS ON SITE AT ALL TIMES TO MAKE SAMPLES IN CASE CONCRETE CHARACTER CHANGES

REINFORCING STEEL

1. REINFORCEING 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 OF 6" INTO ALL FOOTINGS W/ A 6" STANDARD BEND

METAL ACCESSORIES

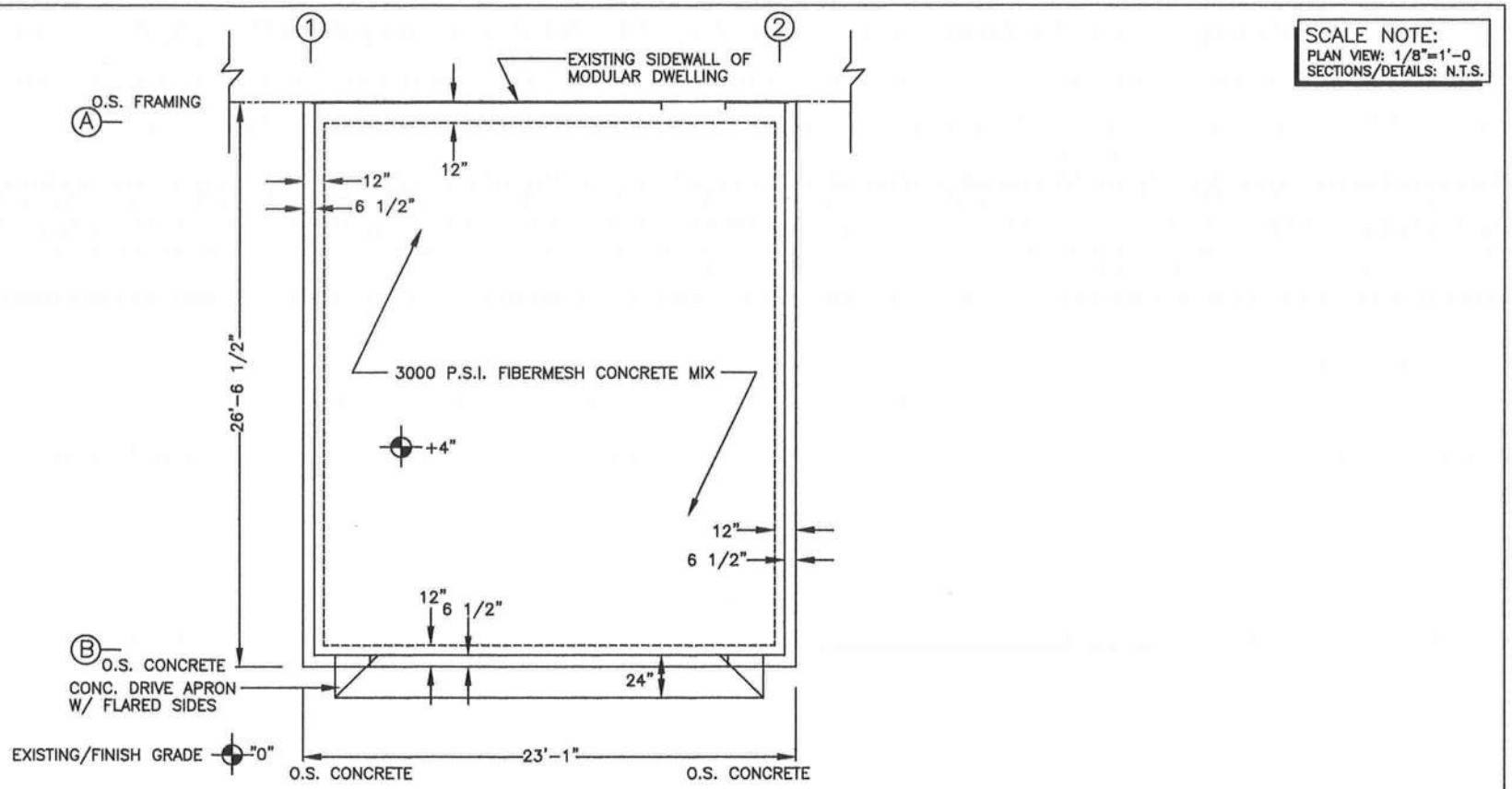
1. ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A36 & A366 AS REQUIRED
2. LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY EMBEDED IN MOTAR OR GROUT W/ A MINIMUM COVER OF 5/8" WHEN EXPOSED TO EARTH OR WEATHER AND A MINIMUM OF 1/2" WHEN NOT EXPOSED TO EARTH OR WEATHER
3. METAL ACCESSORIES USED IN EXTERIOR WALL CONSTRUCTION SHALLBE 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

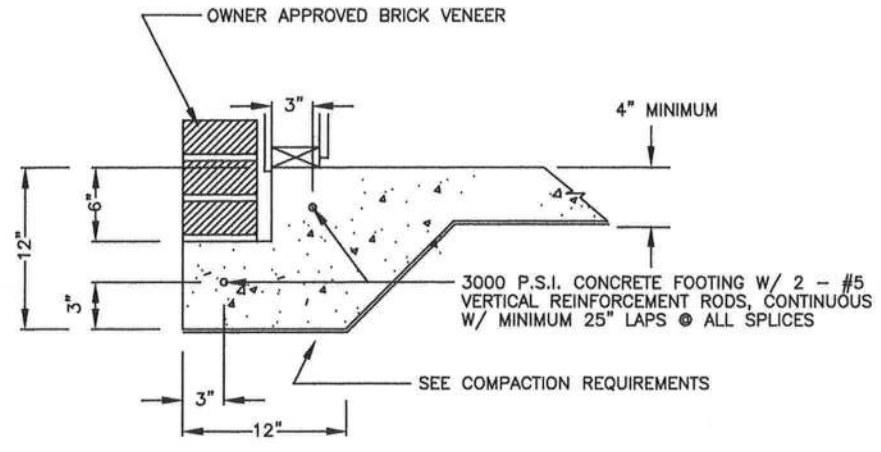
1. PRIOR TO GRADING OPERATIONS ALL SOIL, ORGANIC LITTER AND FILL SHALL BE STRIPPED FROM BUILDING AREA
2. COMPACTION SHALL NOT BE LESS THAN 98% OF THE STANDARD PROCTOR DENSITY
3. ALL FILL MATERIAL SHALL BE INORGANIC W/ NOT MORE THAN 30% BY WEIGHT FINER THAN 200 U.S. STANDARD SIEVE CONFORMING TO
   A. 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 PRIR TO PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS REST UPON SOUND EARTH
6. ALL SUBGRADES MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED
7. SUB GRADE MUST BE ACCURATE WITHING 1/4" 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

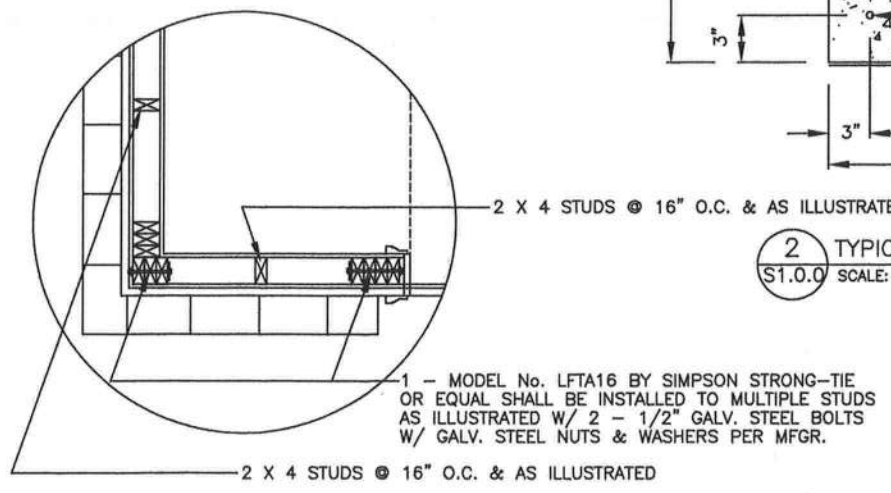
1. FOOTINGS SHALL BE LEVEL OR STEPPED AS INDICATED ON PLAN VIEWS & DETAILS OR SECTIONS
2. SOIL, WASTE PIPES OR BUILDING DRAINS PASSING UNDER A FOOTING OR THROUGH A FOUNDATION SHALL BE PROVIDED W/ A RELIEVING ARCH OR AN IRON PIPE SLEEVE A MINIMUM OF 2 – PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH
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
5. 2000 P.S.F. SOILD BEARING PRESSURE SHALL BE OBTAINED UNDER ALL FOOTINGS & SLABS



1 S1.0.0 FOUNDATION PLAN VIEW
SCALE: 1/8" = 1'-0



2 S1.0.0 TYPICAL SECTION
SCALE: N.T.S.



3 S1.0.0 SPECIFIC DETAIL @ ENDWALL GARAGE DOOR OPENINGS/FRAMING
SCALE: N.T.S.

TYPICAL EACH SIDE OF GARAGE DOOR OPENING

SCALE NOTE:
PLAN VIEW: 1/8"=1'-0
SECTIONS/DETAILS: N.T.S.

PROJECT No.	BROWN–S1.0.0.DWG
SHEET No.	S1.0.0
DATE	04/29/13

DIMENSIONED FOUNDATION PLAN VIEW
REFERENCED SECTIONS & DETAILS
MISC. NOTES, REFERENCES & INSTRUCTIONS

Curtis E. Keen, PE #23836
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