



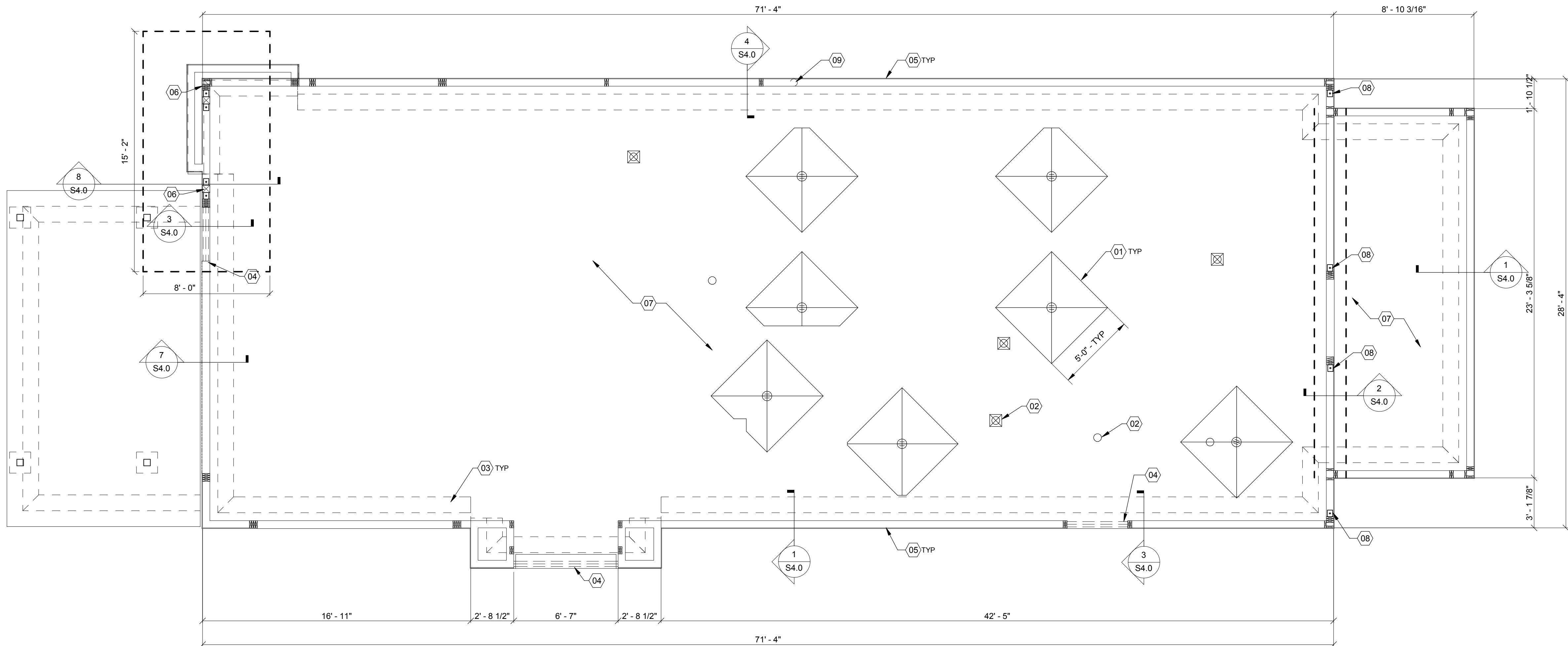
CONTRACT DATE:	03/31/2022
BUILDING TYPE:	END. MED 40
PLAN VERSION:	SEPT. 2021
BRAND DESIGNER:	
SITE NUMBER:	315669
ENTITY NUMBER:	458169
PA/PM:	DRA
DRAWN BY.:	ES
JOB NO.:	22204

SPEARS CREEK CHURCH RD  
(BY LIBERTY RIDGE DRIVE)  
SOUTH CAROLINA 29229



# S1.0

PLOT DATE: 5/12/2022 6:51:53 PM



## A

**DESIGN CRITERIA:**  
2021 SOUTH CAROLINA BUILDING CODE AND  
REFERENCES NOTED WITHIN

SEISMIC LOADS:  
RISK CATEGORY: II  
SEISMIC IMPORTANCE FACTOR: 1.0  
SITE CLASS: D

FOUNDATION

- ## FOUNDATION
1. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
  2. COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT. FOUNDATION IS TO BE CONSTRUCTED TO ALLOW FOR VARIABLE BEARING CAPACITY.
  3. CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
  4. REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
  5. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE NOT SUFFICIENTLY PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
  6. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
  7. ARRANGE FOR OWNERS INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL PROPORTIONS AND MOISTURE CONTENT OF SUBGRADE. TEST RESULTS TO BE USED TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE. AND DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
  8. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

CONCRETE:  
CONCRETE SHALL BE HARD ROCK CONC. (5 SACK CEMENT PER CU.YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

- A. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.
- B. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
- C. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-95 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 508.
- D. ANCHOR BOLTS - A36 OR A307, USE 5/8" DIAMETER X 12" ANCHOR BOLTS (A.B.) AT 48" O.C. U.N.C. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONC.
- E. TO RESIST FRET - THAW DEGRADATION W/C. RATIO SHALL NOT EXCEED .50 FOR CONCRETE IN CONTACT WITH SOIL.
- F. TOTAL AIR CONTENT TO BE  $6\% \pm 1.5\%$ .

SLAB:

- A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWF 6x6-W1.4x1.4 OR #4 BARS @ 18" O.C. EA. WAY, OVER 10 MIL VISQUEEN MEMBRANE, OVER 4" AGGREGATE BASE, OVER ENGINEERED SUBGRADE.

MISCELLANEOUS:

- A. DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.
- B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
- D. SEE PLUMB, DWGS. FOR PLUMB, LAYOUT DIMENSIONS, U.O.N.
- E. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS, U.O.N.
- F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

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| 01 | FLOOR DRAINS LOCATED 1/2" BELOW T.O. SLAB. SLOPE SLAB AS INDICATED ON PLAN TO PROVIDE POSITIVE DRAINAGE.   |
| 02 | PROVIDE HUB DRAIN (HD) OR CLEANCHOUT UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS).  |
| 03 | INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0. BOTTOM OF FOOTING (B.O.F.)  |
| 04 | DEPRESSED FOUNDATION WALL AT THRESHOLD. SEE S3/4.0.  |
| 05 | ANCHOR BOLTS LOCATED THROUGHOUT PERIMETER OF BUILDING SHALL BE PROVIDED AS REQUIRED PER THE "PLATE/ANCHOR BOLT" COLUMN OF THE "WALL SHEATHING AND SHEARWALL SCHEDULE." SEE D/S2.0. |
| 06 | (2) HD11 HOLDDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 AND 4B/S4.2 FOR HOLDDOWN EMBEDMENT DETAIL.   |
| 07 | CONCRETE SLAB ON GRADE - SEE C/S1.0 FOR ADDITIONAL INFORMATION.  |
| 08 | HDU5 - SDS2.5 HOLDDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 AND 4/S4.2 FOR HOLDDOWN EMBEDMENT DETAIL.   |
| 09 | ROUND PLUMBING CLEANOUT.   |

## D

**C**

**B**

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT