GENERAL NOTES - STRUCTURAL

1. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.

2. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. All conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.

3. All design and construction work for this project shall conform to the requirements of the 2006 IBC, as amended by the City of Fayetteville, Arkansas.

4. These drawings are for this specific project and no other use is authorized.

5. Structural Design Load Criteria:

   A. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the 2006 International Building Code.

6. Concrete:

   A. All concrete except exterior flat work shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 550 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.5 gallons of water per 100 pounds of cement and not over 4 inches of slump.
   B. Concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
   C. The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
   D. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
   E. No aluminum items shall be embedded in any concrete.

7. Fiberglass Reinforcing:

   A. All reinforcing bars used for internal concrete reinforcement shall be glass fiber reinforced polymer (GFRP) bars as required for electromagnetic neutrality, shall be as follows:
      Concrete placed against earth ..... 3"
      All coverage shall be nominal bar diameter minimum.
   B. The contractor shall submit manufacturer's product data, including material and mechanical properties.
   C. The contractor shall submit manufacturer's certified test reports for source quality control testing for material and mechanical properties performed by an independent testing agency.

8. Structural Steel:

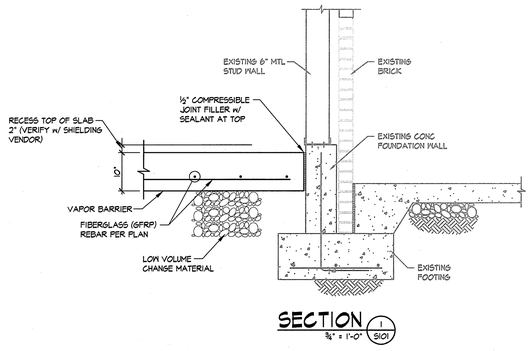
   A. All structural steel shall be ASTM A36.
   B. All welding shall conform to the recommendations of the AWS.

9. Structural Special Inspection:

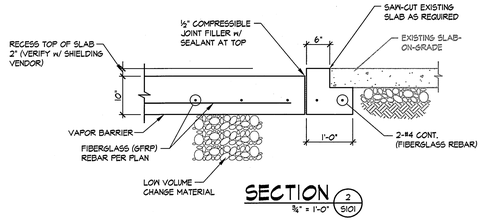
   A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2006 International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
   B. Special inspections shall be required for the items indicated below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.
      1) Placement of Concrete
      2) Testing of Concrete
      3) Placement of Reinforcing
      4) Steel Frame Inspection
   C. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
   D. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
   E. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.

10. Copyright and Disclaimer:

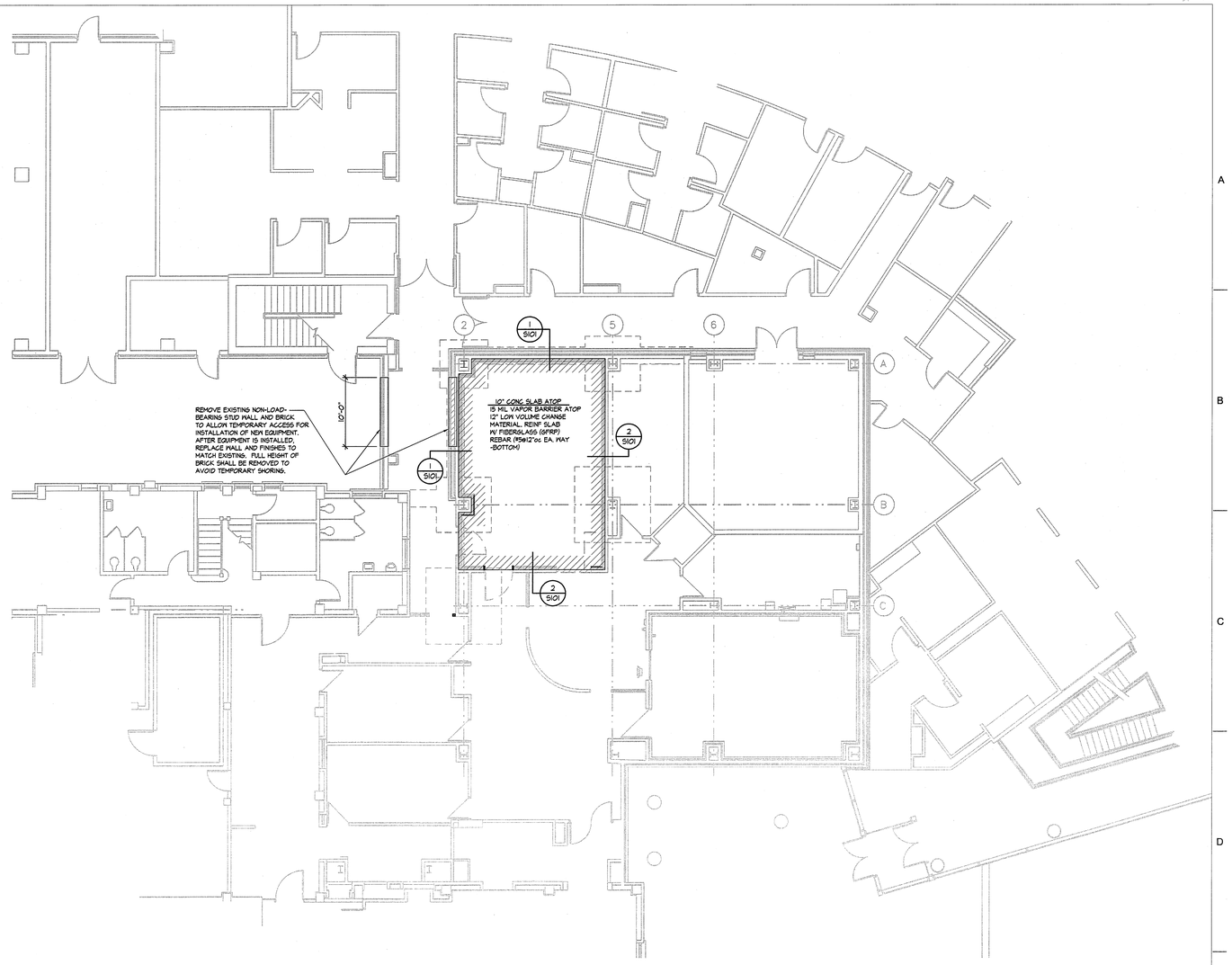
   A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and Company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
   B. I, Steven R. Carroll, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.



SECTION 1/S101 — ¾" = 1'-0"



SECTION 2/S101 — ¾" = 1'-0"



Revisions:	Date
100% Construction Documents	08/10/11
95% Submittal	05/16/11
50% Schematic Design	01/24/11

CONSULTANTS:

Structural Engineer:
Bob D. Campbell & Co.
4338 Belleview
Kansas City, MO 64111

MEP Engineer:
TME, Inc.
2039 N. Green Acres Road
Fayetteville, AR 72703

Associate Architect:
SPUR Design
One Santa Fe Plaza, Suite 101
Oklahoma City, OK 73102

Cost Estimating:
CMR
5201 Johnson Dr., Suite 330
Mission, KS 66205

BOB D. CAMPBELL & COMPANY — ARKANSAS ENGINEER — #699

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — STEVEN CARROLL — 8705

ARCHITECT:

Drawing Title: Structural Plan, Notes & Sections

Approved: Project Director

Project Title: SITE PREP FOR MAGNETIC RESONANCE IMAGING EQUIPMENT

Location: VETERANS HEALTHCARE SYSTEM OF THE OZARKS
1100 N. COLLEGE AVE, FAYETTEVILLE, AR 72703

Date: August 10, 2011 | Checked: XX | Drawn: XX

Project Number: 564-10-101

Building Number: 2

Drawing Number: S101

Office of Facilities Management

Department of Veterans Affairs

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