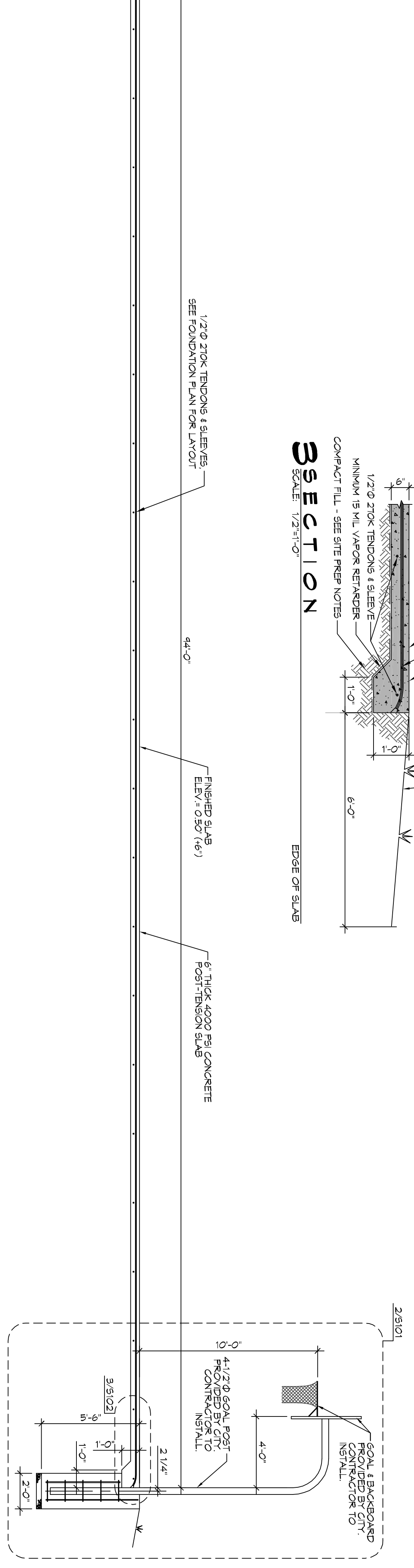
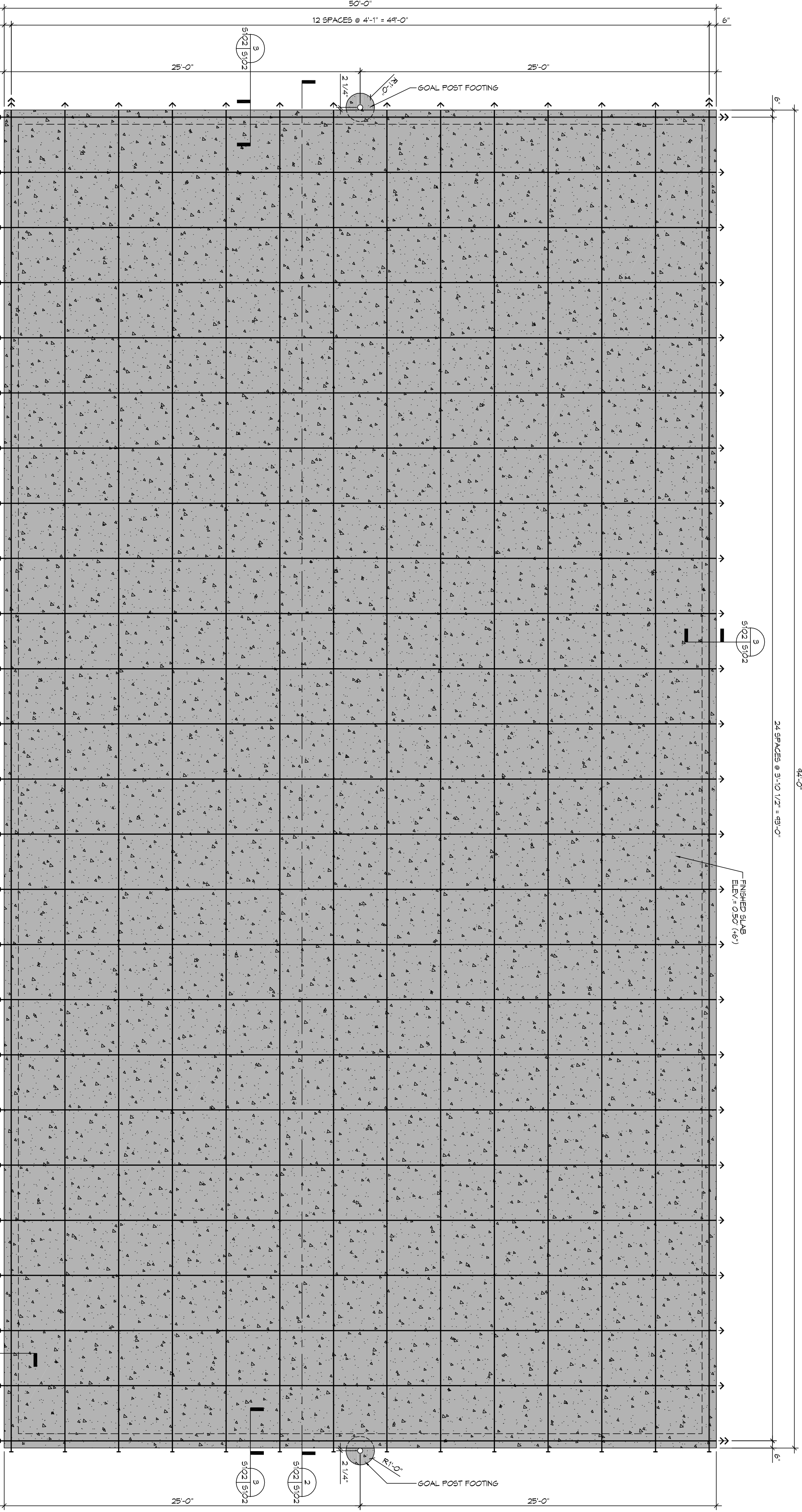


**2FOUNDATION SECTION**  
SCALE: 1/4"=1'-0"



**3SECTION**  
SCALE: 1/2"=1'-0"



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

CONCRETE BACKERBALL COURT FOUNDATION PLAN (POST-TENSION SLAB)

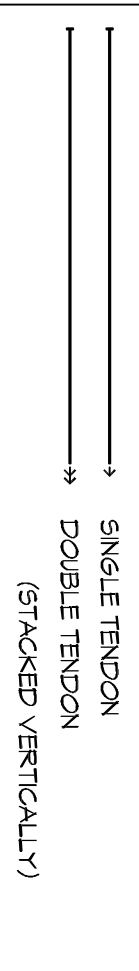
**GENERAL NOTES**

- THE INTENT OF THIS PLAN IS TO PROVIDE INFORMATION FOR PLACEMENT OF THE GENERAL STRUCTURE TO BE CONSTRUCTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, ETC. SHOWN ON THESE PLANS.
- BEAM SIZES AND LOCATIONS SHALL NOT BE CHANGED WITHOUT APPROVAL OF THE ENGINEER. EXCEPT THAT BEAM DEPTH MAY BE EXTENDED TO REACH UNDISTURBED SOIL.
- IT IS RECOMMENDED THAT A CURING COMPOUND BE USED TO CONTROL SHRINKAGE.
- WHEN ADDITIONAL REINFORCEMENT WITH REBAR IS USED IN FOOTINGS, IT SHALL CONFORM TO ASTM A615. NOVEN WIRE FABRICS SHALL CONFORM TO ASTM A 105.
- TENDONS AND BARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACING OF CONCRETE.
- ALLOW 8" CENTERED CLEARANCE ON TENDON AXIS BY 36" LENGTH FOR STRESSING EQUIPMENT CLEARANCE.
- CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF TENDON ANCHORAGES.
- CONCRETE DESIGN IS BASED UPON A CONCRETE MIX HAVING A MINIMUM 4000 PSI COMPRESSIVE STRENGTH. A MINIMUM 15 MIL VAPOR BARRIER SHALL BE APPLIED TO THE BOTTOM OF THE SLAB. A MINIMUM 1/2" THICK 4000 PSI CONCRETE POST-TENSION SLAB SHALL BE GIVEN A MINIMUM COMPRESSION STRENGTH OF 3,000 P.S.I. AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH THE A.C.I. BUILDING CODE REQUIREMENTS.
- CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1000 P.S.I. AT THE TIME OF STRESSING.
- ANY CONVENTIONAL REINFORCING STEEL SHALL BE ASTM DESIGNATION A-615 (GRADE 60) REINFORCING AND SHALL BE DETAILLED AND ANCHORED AS PROVIDED IN ACCORDANCE WITH THE LATEST A.C.I. CONCRETE STRUCTURES.
- ALL PRESTRESSING STEEL SHALL CONSIST OF 5/16" DIAMETER STRESS RELIEFED STRAND CONFORMING TO ASTM A-416. MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 210,000 P.S.I. STRANDS SHALL BE COATED WITH A PERMANENT RUST PREVENTIVE LIBERANT AND A PLASTIC SHEATH.
- REINFORCEMENT SHALL HAVE 3" COVER IN GRADE BEAM BOTTOMS, 2" COVER IN BEAM SIDES AND TOPS, 1-1/2" COVER IN SLAB TOPS AND BOTTOMS, UNLESS OTHERWISE SHOWN.
- PROVIDE A SINGLE-LAYER VAPOR BARRIER UNDER CONCRETE SLAB.
- THE TENDON LOCATION AT THE END OF A GRADE BEAM IS TO BE A MINIMUM OF 6" FROM THE TOP OF THE SLAB TO THE CENTER OF GRAVITY OF THE TENDONS.
- TENDONS TO BE STRESSED NO EARLIER THAN 7 DAYS AND NOT LATER THAN 14 DAYS AFTER PLACEMENT OF CONCRETE.
- FORMS TO BE STRIPPED NO LATER THAN 6 DAYS AFTER PLACEMENT OF CONCRETE.
- STRESSING:
  - 1-1/2" TENDON SHALL BE ANCHORED AT 28.9K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 35.0K PER STRAND.
  - 3/8" TENDON SHALL BE ANCHORED AT 16.1K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 18.4K PER STRAND.
- LOADING OF SLAB FROM TENSIONING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE SUPERVISING ENGINEER.

**GENERAL SITE PREP NOTES**

- WALK OFF EXCESS EARTH/TOPO SOIL TO DEPTH OF 15". THE EXPOSED SUBGRADE SHALL BE PROOF-ROLLED WITH A RUBBER Tired VEHICLE WEIGHING APPROXIMATELY 20 TONS. ANY SOILS WHICH ARE OBSERVED TO RIP OR DEFLECT EXCESSIVELY UNDER THE MOVING LOAD SHOULD BE UNDERCUT AND REPLACED WITH COMPACTED STRUCTURAL FILL. BACKFILL WITH A SANDY CLAY MIXTURE CONTACT ALL FILL TO 95% OF THE MAXIMUM DRY DENSITY DETERMINED BY ASTM D 1557. STANDBY PROCTOR.
- REINFORCING TENDONS WILL BE CLASSIFIED AWAY FROM THE SLAB TO PREVENT WATER FROM BEING DRAWN INTO THE SLAB.
- BEFORE AND AFTER CONSTRUCTION, PROVIDE LEAKING SHEETS AND SINK PANS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRIVING EXCESSIVE WATER INTO THE FOOTING. PROVIDE DRAINAGE FROM THE EXCAVATION PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATION BE LEFT OPEN FOR MORE THAN ONE DAY, THEY SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE. ALL DISTURBED EARTH AT AND AROUND BASKETBALL COURT AND FENCED AREA TO BE REPLISHED WITH NEW SOIL.

**LEGEND**



**PRELIMINARY NOT FOR CONSTRUCTION**

#	DESCRIPTION	DATE

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI

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**BASKETBALL COURT FOUNDATION PLAN**

801 COUSIN STREET  
SLIDELL, LA 70458

JOB No: 2271 DATE: 12/16/2016  
DRAWN BY: JTL CHECKED BY: BAM

**5102**

DRAWING NUMBER: 5102  
SHEET NO: 3 OF 3