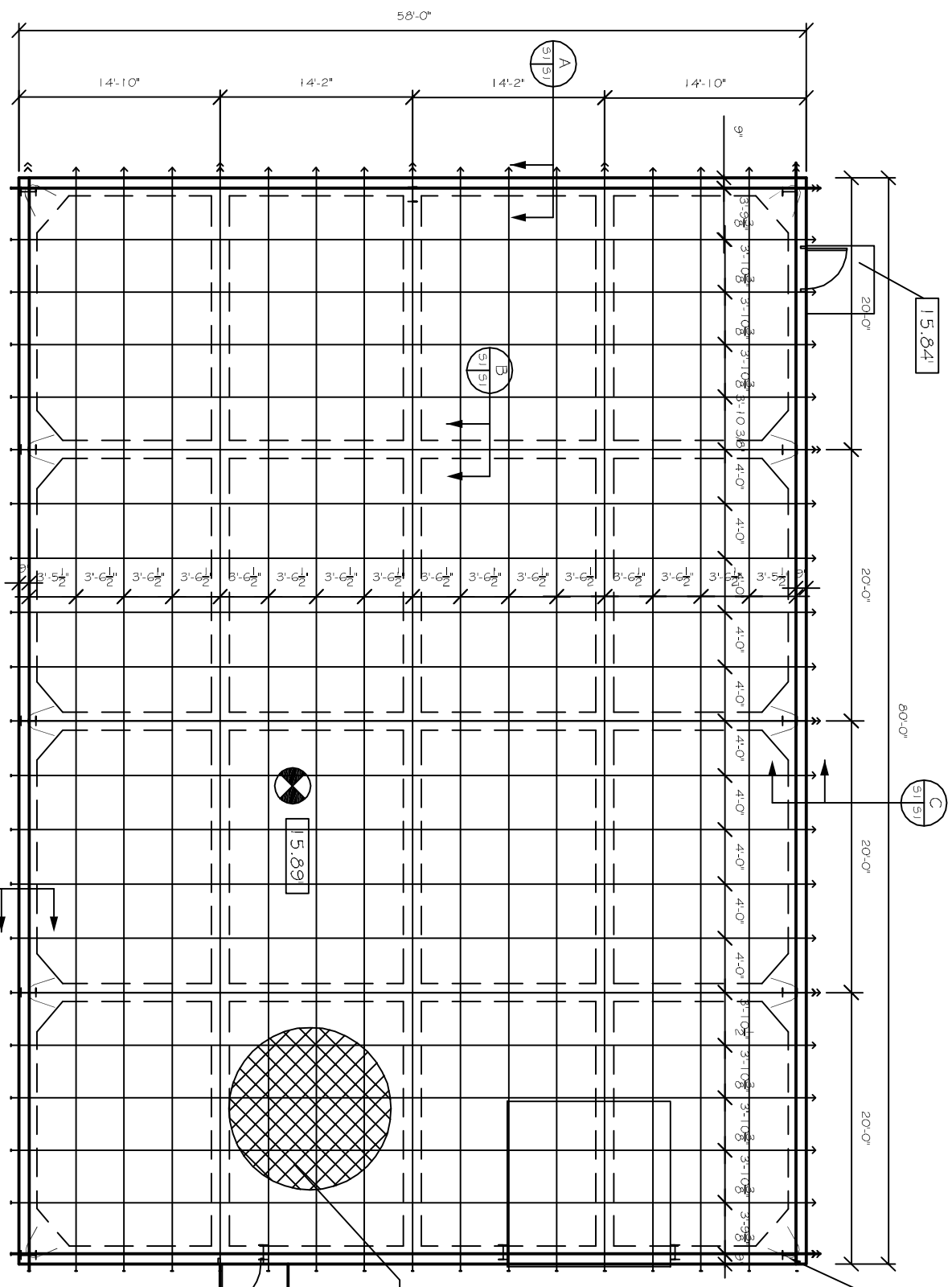


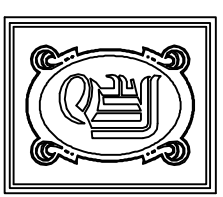
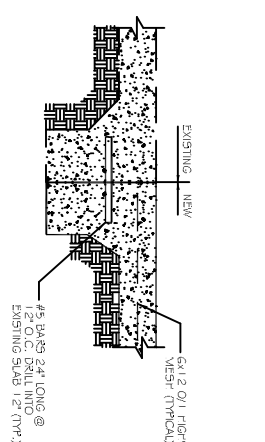
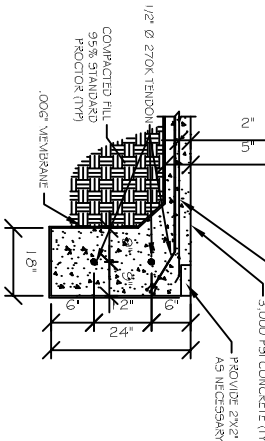
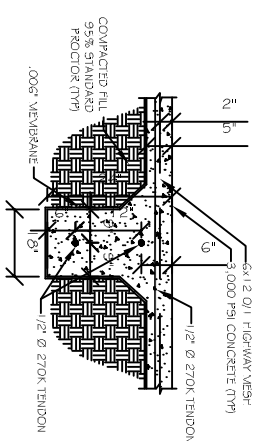
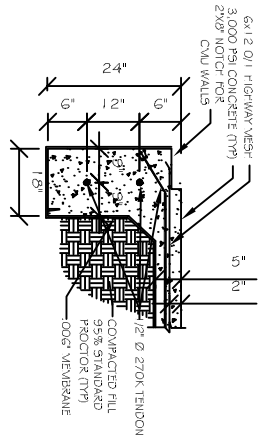
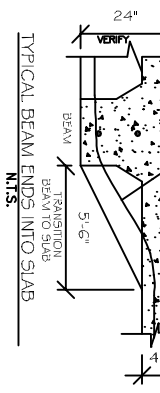
REINFORCING STEEL HAIRPIN:  
ASTM 615, GRADE 60, PER  
BUDG. MFR. REQ. (TYP.)



FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"

- SITE PREP NOTES:**
1. REMOVE EXISTING WEAK SURFACE (LOOSE FILL AND VESICAL SHIRTS) CLAYS SHALL BE REMOVED TO DEPTH OF UNDER ALL TO CONSTRUCTION AND PAVING. FLOOD-SOIL AND REMOVE ANY SOFT, YIELDING OR PUMPING SWOBS.
  2. NEW CONCRETE FOOTINGS ARE TO BE SEATED IN THE FIRM, NATURALLY OCCURRING STIFF TO VERY STIFF CLAY OR SILTY CLAYS TO PROVIDE AN ALLOWABLE SOIL BEARING VALUE OF 1,500 LBS/FS<sup>2</sup>.
  3. REMOVE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING AND AFTER CONSTRUCTION. PROVIDE GRADING, SWALES AND SWAMP PLANS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAIN WATER FROM THE CONSTRUCTION AREA.
  4. ALL EXCAVATED MATERIAL SHOULD BE REPLACED WITH TYPE STRAIGHT FILL. THIS FILL SHOULD ALSO BE SEED TO SEED THE SITE GRADE. COULD CONSIST OF RED CLAY SAND TYPE MATERIAL PAVING LESS THAN 30 PERCENT FINES PASSING THE NO. 200 SIEVE. IT SHOULD BE COVERED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ACCORDING TO ASTM D-1557.
  5. MODERATE SETTLEMENTS OF UP TO ONE INCH ARE POSSIBLE WITH A MODERATE SUSCEPTIBILITY TO VOLUMETRIC CHANGE, RESULTING IN FLARE AND SHRINKAGE DURING VARIATIONS OF HEAT.
  6. PRECIPITATION AND DROUGHT, GOOD ROOF AND SURFACE DRAINAGE WITH POSITIVE COLLECTION AND RUNOFF AND SLOPES AWAY FROM THE BUILDING SHOULD BE ASSURED.
  7. MODERATE SETTLEMENTS OF UP TO ONE INCH ARE POSSIBLE WITH A MODERATE SUSCEPTIBILITY TO VOLUMETRIC CHANGE, RESULTING IN FLARE AND SHRINKAGE DURING VARIATIONS OF HEAT.
  8. CONSTRUCTION OF FILL BY A SOILS ENGINEER IS RECOMMENDED.

- FOUNDATION GENERAL NOTES:**
1. THE INTENT OF THIS PLAN IS TO PROVIDE INFORMATION FOR REPAIR/REPLACE TENSION STEEL TENDONS AND WIRE-ROPE STRAIN PLINGS. ONLY IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, BACK LOGS, BLOCK OUTS, OPENINGS, ETC. SHOWN ON THESE PLANS TO ASSURE AGREEMENT WITH ARCHITECTURAL PLANS.
  2. BEAM SIZES AND LOCATION AND NUMBER OF PILES SHALL NOT BE CHANGED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT. SPECIAL LOGS NOT INDICATED ON DRAWING, I.E. BLOCK FRAMEWORKS, AND/OR CHANGES, "NOT TYPED" REQUIRE ADDITIONAL REINFORCEMENT.
  3. IT IS RECOMMENDED THAT A CURING COMPOUND BE USED TO CONTROL SHRINKAGE.
  4. 5% SHRINKAGE INSTALLATION OF 3000 PSI CONCRETE MIX SHALL BE O.K. AND ALSO BOND BREAKERS AND CHECKS IN CONCRETE FLOOR SHALL BE REPAIRED PRIOR TO INSTALLATION OF TILES. ENVIRONMENTAL ADHESIVE IS RECOMMENDED FOR CERAMIC FLOOR TILES, WHERE DECOGNATIVE CONCRETE IS USED. ADDITIONAL REINFORCEMENT WILL BE REQUIRED.
  5. WHERE ADDITIONAL REINFORCEMENT WITH REBAR IS USED IN FOOTINGS, IT SHALL CONFORM TO ASTM A615, WOODEN WIRE FABRICS SHALL CONFORM TO ASTM D-1557.
  6. TENDONS AND BARS SHALL BE SECURELY SUPPORTED TO BE PERMIT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACING OF CONCRETE.
  7. ALLOW 3" CHANGED CLEARANCE ON TENDON AND BY 3/4" HEIGHT FOR STRESSING EQUIPMENT CLEARANCE.
  8. CONCRETE SHALL BE WELL CONSOLIDATED ESPECIALLY IN THE VICINITY OF TENDON.
  9. CONCRETE DESIGN IS BASED UPON A CONCRETE MIX HAVING A MINIMUM OF 5.3 BAGS OF CEMENT PER CUBIC YARD AND A MAXIMUM OF 30 GALLONS OF WATER AND ADDED WATER PER CUBIC YARD. SUCH A MIX SHOULD GIVE A MINIMUM COMPRESSION STRENGTH OF 3,000 P.S.I. AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH THE LATEST A.C.I. BUILDING CODE REQUIREMENTS.
  10. CONCRETE DESIGN A MINIMUM COMPRESSIVE STRENGTH OF 1500 P.S.I. AT THE TIME OF PLACEMENT.
  11. ALL CONVENTIONAL REINFORCING STEEL SHALL BE ASTM DESIGNATION A615 (GRADE 60) REINFORCING AND SHALL BE DETAILED AND ACCESSORIES PROVIDED IN ACCORDANCE WITH THE LATEST A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
  12. ALL REINFORCING STEEL SHALL CONSIST OF 35% WIRE STRESS RELIEVED STEEL. ALL WIRE SHALL BE 270,000 P.S.I. WIRE. WIRE SHALL BE COATED WITH A PERMANENT OILY PREVENTIVE LUBRICANT AND A PLASTIC OPERAIT.
  13. REINFORCEMENT SHALL HAVE 3" COVER IN GRADE BEAM BOTTOMS, 2" COVER IN GRADE SIDES AND TOPS, 1" COVER IN SLAB TOPS AND BOTTOMS, UNLESS OTHERWISE SHOWN.
  14. COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL STRUCTURAL AND MECHANICAL PLANS FOR PIPES, CONDUNIT, ETC. ARE TO TAKE PRECEDENCE.
  15. PILES FOR BEAM, VAULT NOT CONFLICT WITH REINFORCING, WHERE A CONFLICT OCCURS, PIPES, CONDUNIT, ETC. ARE TO TAKE PRECEDENCE.
  16. PROVIDE A SINGLE LAYER OF VAPOR BARRIER UNDER CONCRETE SLAB.
  17. THE TENDON LOCATION AT THE END OF GRADE BEAM IS TO BE A MINIMUM OF 6" FROM THE END OF GRADE BEAM.
  18. TENDONS TO BE STRENGTHENED UNDER TENSION SHALL BE STRENGTHENED WITH 7 BARS AND NOT LATER THAN 14 DAYS AFTER PLACEMENT OF CONCRETE.
  19. FORMS TO BE STRIPPED NO LATER THAN 6 DAYS AFTER PLACEMENT OF CONCRETE.
  20. STRESSING:
  21. TENDON SHALL BE ANCHORED AT 20.9K PER STRAND, BUT SHALL BE INITIALY STRESSED TO 15.4K PER STRAND.
  22. TENDON SHALL BE ANCHORED AT 16.1K PER STRAND, BUT SHALL BE INITIALY STRESSED TO 10.4K PER STRAND.
  23. LOADING OF SLAB PRIOR TO TENSIONING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE SUPERVISING ENGINEER.



**DAMMON ENGINEERING, INC.**

CHIEF ENGINEER  
EMMETT DAMMON, P.E.

CHIEF ARCHITECT  
ROBERT WILTSE

554 OLD SPANISH TRAIL  
SUDELL, LA. 70456  
OFFICE: 985-649-5632  
FAX: 985-641-5950

WWW.DAMMONENGINEERING.COM  
EMAIL: DAMMONENG@BELLSouth.NET

ARCHITECTURE  
ENGINEERING  
STUDIES  
PLANNING  
INVESTIGATION  
EXPERT WITNESS

NEW  
ADDITION

FEAST CATERING  
109 TAOS  
SLIDELL  
LA

FOUNDATION  
PLAN

REV:	SCALE: AS NOTED
JOB#: 2140	DATE: 04-20-12
SHEET	5-1
OF	