



FOUNDATION PLAN

SCALE: 3/32" = 1.0 FT.

TOTAL SLAB AREA: 13,487 SQUARE FEET

PILE INFORMATION:
 TOTAL 289 PILING - TYPE 5 - 35 FT LONG OR DRIVEN TO REFUSAL
 (12 BLOWS PER FOOT FOR ONE FOOT USING A 15,000 FT. LB. DROP HAMMER).
 PILE SIZE: 8" BUTT AND 6" TIP. PILE CAPACITY: 5 TON DESIGN LOAD

GENERAL:

- BEAM DIMENSIONS SHOWN ARE MINIMUM REQUIRED AND MAY NOT BE REDUCED.
- NO FIELD SUPERVISION IS PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED IN WRITING ON THIS PLAN. SLAB INSPECTIONS UNDER CONSTRUCTION WILL BE BILLED AT HOURLY RATES IF REQUESTED.
- DISCONTINUE GRADE BEAM REINFORCING @ COLUMN PEDESTAL LOCATIONS.
- TOP OF SLAB ELEVATION IS FOR REFERENCE ONLY. CONTRACTOR TO VERIFY REQUIRED TOP OF SLAB ELEVATION WITH SURVEYOR PRIOR TO SETTING FORMS.
- WIDEN GRADE BEAM AT COLUMN LOCATION TO MINIMUM 24" X 24".
- CARRY REINFORCING AROUND ELEVATOR PLUNGER HOLE IF APPLICABLE.
- CONTRACTOR SHALL PROVIDE THE FOLLOWING ALLOWANCES IN FINAL PRICING TO ACCOUNT FOR MISCELLANEOUS MATERIALS AND LABEL THAT MAY BE REQUIRED TO COMPLETE THE WORK.

CONCRETE:

- ALL CONCRETE IN FOUNDATION BEAMS AND SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500 P.S.I. AT THE TIME OF STRESSING AND 300 P.S.I. AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH THE A.C.I. BUILDING CODE (REQUIREMENTS A.C.I. 318-89)
- LAPS, SPLICES, TIES, AND EMBEDMENT LENGTHS FOR REINFORCING STEEL SHALL BE IN ACCORDANCE WITH A.C.I. 318, AND IN ACCORDANCE WITH C.R.S.I. STANDARDS. ALL CONCRETE WORK SHALL BE IN STRICT ACCORDANCE WITH A.C.I. STANDARD SPECIFICATION FOR CONCRETE AND REINFORCED CONCRETE. ALL CONCRETE PLACEMENT SHALL CONFORM TO A.C.I. 301 AND A.C.I. 318.
- COMPRESSION EMBEDMENT LENGTH SHALL BE 30 BAR DIAMETERS UNLESS NOTED OTHERWISE.
- CLEAR DISTANCE BETWEEN ADJACENT LAYERS OF REINFORCEMENT SHALL BE 2 INCHES MINIMUM UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE ALLOWED TO MAKE SPLICES IN ADDITION TO THOSE INDICATED ON THE DRAWINGS WHERE ESSENTIAL TO CONSTRUCTABILITY, SUBJECT TO ENGINEER'S APPROVAL.
- SUBJECT TO ENGINEER'S APPROVAL BARS MAY BE SHIFTED SLIGHTLY IN THE FIELD WHERE NECESSARY TO AVOID OPENINGS, LINES, PIPES, EMBEDDED ITEMS, OR OTHER OBSTRUCTIONS.
- HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH A.C.I. 318.
- PLACEMENT, CLEARANCES, AND MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH A.C.I. 318.
- SEE ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS, SLOPES, RECESSES, LEDGES, AND STEPS.
- BOTTOMS OF ALL EXCAVATIONS AND EARTHEN FORMS SHALL BE FLAT, LEVEL, TRUE TO GRADE AND LINE, AND COMPLETELY FREE OF LOOSE DIRT, DEBRIS, AND SLUSH. DAMPEN EARTH AGAINST WHICH CONCRETE IS POURED JUST PRIOR TO THE POUR, BUT DO NOT POUR INTO TRENCHES WITH STANDING WATER.
- FORMS FOR EXPOSED FINISH CONCRETE: PLYWOOD, METAL, METAL-FRAMED PLYWOOD FACED, OR OTHER ACCEPTABLE PANEL-TYPE MATERIALS TO PROVIDE CONTINUOUS, STRAIGHT, SMOOTH, EXPOSED SURFACES.
- ALL REINFORCING STEEL SHALL BE GRADE 60 BAR CONFORMING TO THE LATEST EDITION OF ASTM.
- ALL EXTERIOR BRICK AND OR MASONRY WALLS TO HAVE EXPANSION AND CONTRACTION JOINTS. REFER TO ARCHITECTURAL DETAILS FOR LOCATIONS AND INFORMATION REGARDING SPACING, TYPE, LOCATION, INSTALLATION, AND MAINTENANCE. BRICK FLASHING AREAS MUST BE EXTENDED COMPLETELY TO THE EDGE OF THE CONCRETE IN ALL DIRECTIONS TO PREVENT BONDING TO THE FOUNDATION.

POST TENSION

- TENDONS AND BARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE.
- ALLOW 8" DIA. CENTERED ON TENDON AXIS BY 36" LENGTH FOR STRESSING EQUIPMENT CLEARANCE.
- THE TENDON LOCATION AT THE END OF THE GRADE BEAM TO BE A MINIMUM OF 8" FROM THE TOP OF THE SLAB TO CENTER OF GRAVITY TENDONS.
- IF THE TENDON SHEATHING IS DAMAGED OR REMOVED FOR APPROXIMATELY 6" OR MORE, IT SHOULD BE RESHEATHED TO PREVENT BONDING OF THE CONCRETE TO THE STRAND.
- CONCRETE SHALL BE WELL CONSOLIDATED, ESPECIALLY IN THE VICINITY OF TENDON ANCHORAGES.
- ALL PRE-STRESSING STEEL SHALL CONSIST OF SEVEN WIRE STRESS RELIEVED STAND CONFORMING TO ASTM A-416. MINIMUM TENSILE STRENGTH SHALL BE 270,000 P.S.I. STRANDS SHALL BE COATED WITH A PERMANENT RUST PREVENTATIVE LUBRICANT AND A PLASTIC SHEATH.
- PLANS FOR PIPES, CONDUITS, THIMBLES, ETC. TO PASS THROUGH CONCRETE SLAB OR BEAM, MUST NOT CONFLICT WITH REINFORCING. WHERE A CONFLICT OCCURS BETWEEN TENDONS AND REINFORCING, TENDON LOCATION IS TO TAKE PRECEDENCE.
- COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS, AND ANY OTHER RELATED ITEMS.
- FORMS TO BE STRIPPED NO LATER THAN (6) DAYS AND NO LATER THAN (14) DAYS AFTER PLACEMENT OF CONCRETE.
- 1/2" DIA. TENDON SHALL BE ANCHORED AT 28.9 K PER STRAND, BUT SHALL BE INITIALLY STRESSED TO 33.0 K PER STRAND.
- THE OWNER AND GENERAL CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, BLOCK OUTS, DEPRESSIONS, ETC. TO ARCHITECTURAL PLANS. IF ANY DISCREPANCIES OCCUR, CONTACT THE ENGINEER OF RECORD IMMEDIATELY PRIOR TO COMMENCING WORK AND ORDERING OF THE POST TENSION CABLES. THE OWNER, BUILDER, GENERAL CONTRACTOR, AND/OR HOMEOWNER SHALL BE RESPONSIBLE FOR COORDINATING OF THE STRUCTURAL DRAWINGS WITH ALL OTHER DRAWINGS.
- LOADING OF THE SLAB PRIOR TO THE TENSIONING SHALL NOT BE DONE WITHOUT THE APPROVAL AND DIRECTION OF THE DESIGN ENGINEER. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO COMMENCEMENT OF FRAMING.
- IT IS REQUIRED THAT 6X6 2.97.9 WWF BE INSTALLED AT THOSE CONCRETE AREAS THAT ARE TO BE LEFT EXPOSED, SUCH AS SCORED STAINED SEALED CONCRETE, AREAS TO RECEIVE BRITTLE FLOORING MATERIAL, EXPOSED SURFACES (PORCHES, GARAGES, ETC.)
- FLOORING CONTRACTOR MUST USE AN ELASTIC BOND BREAKER ON ANY CONCRETE SURFACE AREA THAT SHOWS CONCRETE CRACKING TO PREVENT BONDING OF THE BRITTLE FLOORING MATERIALS TO THE FOUNDATION. ENGINEER AND POST TENSION INSTALLER NOT RESPONSIBLE FOR REFLECTIVE CRACKING, EXPANSION AND CONTRACTION IF NOT PROPERLY INSTALLED.

PILES

- OWNER SHALL OBTAIN A PILE LOAD TEST OR GEOTECHNICAL REPORT TO VERIFY PILE CAPACITY, PROVIDE TEST RESULTS TO ENGINEER OF RECORD. FAILURE TO PROVIDE GEOTECHNICAL REPORT OR PILE LOAD TEST WILL HOLD STRUCTURAL ENGINEER HARMLESS IN THE EVENT OF DIFFERENTIAL SETTLEMENT.
- ASTM D25 TREATED PILE, 36" LONG-DRIVEN TO REFUSAL, 12 BLOWS PER FOOT FOR ONE FOOT USING A 15,000 FT. DROP HAMMER
- 8" BUTT, 6" TIP
- 5 TON DESIGN LOAD

NOTE:
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ENGINEER'S STATEMENT:
 THIS DRAWING HAS BEEN PREPARED BY ME OR UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, IT COMPLIES WITH ALL THE LOCAL AND STATE CODES AND REGULATIONS.

I WILL NOT PROVIDING CONSTRUCTION ADMINISTRATION SERVICES ON THIS PROJECT.

SIGNATURE,

LAM THANH NGUYEN, PE

I&H ACAD SERVICES, LLC
 (504) 884-2902
 GRETNIA, LOUISIANA

78 ROOMS SLEEP-INN SUITES
 LOTS 4 AND 5 - ST. MARY PARISH
 2033 HIGHWAY US-90
 BERWICK, LOUISIANA



OWNER:
 MR. BUI NGUYEN

TITLE
 PILING FOUNDATION

DATE
 08/05/08

SHEET NUMBER
 A-3
 SCALE: 3/32" = 1 FT

