CONCRETE

1. Contractor, builder must verify all dimensions drop and offsetes against architectural drawing and must report any discrepencies to the engineer or architect prior to commencing the job.
2. Concrete in foundation must have a minimum of 3000 PSI compressive strength after 28 day.
3. Water-Cement ratio in concrete mix shall be low (3 inches slump). Addition of add mixture such as calcium chloride shall not exceed 2% by weight of cement.
4. A 6 mil polyvinyl vapor barrier shall be place between the foundation and the soil it bears on and must be lapped. Laps must be taped.
5. Forms must conform to the size and shape of the foundation. Be securely tight, prevent leaking and allow concrete to be vibrated with out displacement.

SITE PREPARATION

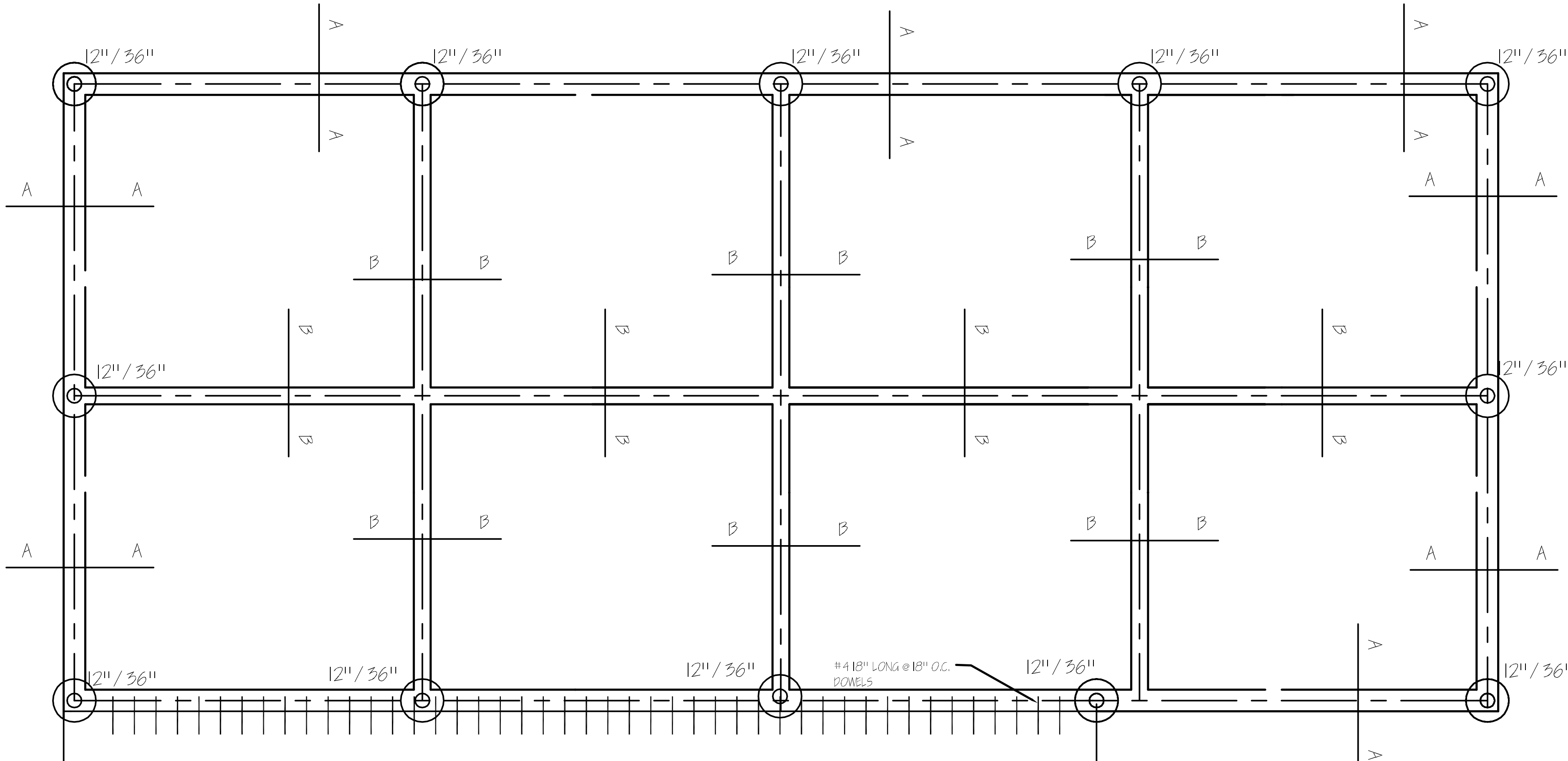
1. Clean the site beneath the slab of all grass and weeds by removing the top 6 inches of soil and wasting it. Remove by grubbing to creater depths trees and large bushes ans all decayed or dying organics. Remove all tree with in 15 feet of the foundation.
2. Excavate all on site loose material and backfill tree holes and soft areas with strctural full.
3. Structural fill shall be sandy clay, Clean form all organic material, and shall have a plasticity index between 7 and 20.
4. Structural fill shall be places in layers of its maximum dry density. (ASTM D698).
5. Backfill around the exterior beams of the structure shall be moistered, and compacted and should be sloped to drain away form the structure in all directions. No ponding is to be allowed next to the structure.
6. After the slab has been completed. The stability of the moisture content it must be maintained.

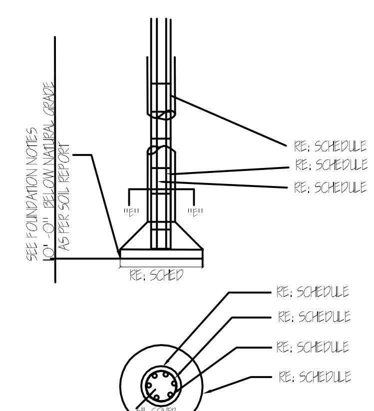
FOUNDATION NOTES

1. The design of this slab conforms to the guidelines set by the "Bureau of research and advisory board" (BRAD) as extended by " The criteria for selection and design of commercial slabs on graund. An aid for consulting engineering practices".
2. The slabs design to be rigid, monolithic ans able to with stand the volumentric movement of the soil due to changes in moisture content. In this case ______________ are used.
3. The design is also based on the results and recommendations of the soil report performed by ______________ P.I. soilbearing ______________.
4. The slab must not be pured in extremely high or low temperature.

FOUNDATION NOTES

1. The details shown on this drawing are to be used in a rigid monolithic slab designed in accordance with the bereau of research and advisory board (BRAB) as extended in the criteria for the selection and design of residential slab on ground an, aid for consulting engineers.
2. Work this drawing in conformance with the notes specified herein after, and with the general notes on the foundation drawing.
3. Re-bars laps or splices must be a minimum of 30 bar diameter long.
4. Laps of reinforcing bars must be staggered a minimum of 5" in case a welded wire fabrick is used instead of the #3 at re-bars shown. (No WWF is allowed this case smaller than 6x6 W2.9 x W2.9).
5. All exterior grade beams must extend a minimum of 12 inches in to the original soil irrespective of the slopes the terrain may have. Interior beams under slab should have the depth indicated on this drawing and may repose on well compacted stuctural fill granted that their connections to exterior beams be according to detail Z and extra corner or bottom steel bars be provided as per detail s or Z.





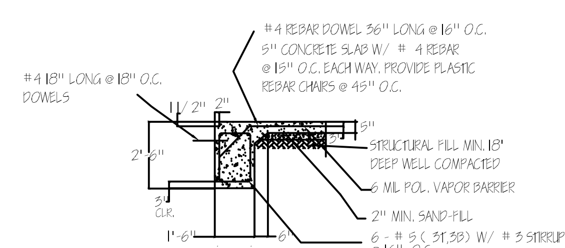
SECTION "E-E"

TYPE 2 (BELL)

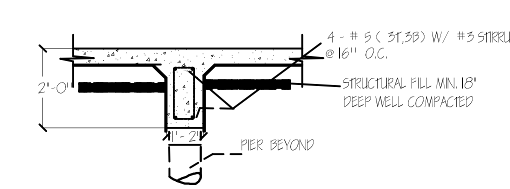
RE-BARS

1. Reinforcing bars must be deformed, grade 60 conforming to ASTM A-615.
2. Welded wire fabric must be 65 kis a per ASTM A-185, must be lapped in accordance with ACI 318 Latest edition.
3. Re-bars must conform to the details & notes shown on the foundation details drawing. Attention must be given to the placement of corner bars and bars placed at intersection of interior to exterior beams.
4. Slab reinforcement as designed must be #3 @ 16 inches on center each way, In case welded wire fabric is used instead. It should have the same steel area as the #3 @ 16 inches on center it replaces.
5. Stirrups in grade beams shall be #3 @ 16 inches on center starting at 10 inches from corners and intersections.

PIER SCHEDULE		
PIER/ BELL SIZE	VERTICAL REINF	TIES
12" / 36"	4 #5 @ EQUAL SPACING	#3 @ 16" O.C.



SECTION A



SECTION B

FOUNDATION PLAN

3/16"=1'-0"

eclipse

DESIGN AND CONSTRUCTION

PH# 832-466-3126 FAX# 281-631-9559

FOUNDATION PLAN FOR A COMMERCIAL BUILDING LOCATED AT

801 SOUTH MAIN
ANAHUAC TX 77514

DATE	05/28/05
CHECK BY	M.A.
DRAWN BY	M.A.
SCALE	3/16"=1'-0"
PRO. NO.	0417
SHEET:	S-1