

THIS PLAN IS ONLY VALID ONE YEAR FROM DATE ON PLAN

ACADIAN STRUCTURAL SOLUTIONS, INC.

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KB KAUFFMAN
LOT 27A, DEL NORTE
DENHAM SPRINGS, LOUISIANA

SCALE: 1/4" = 10'
DATE: 13 SEPT 14
DRAWN BY: EPH
CHK'D BY: HN
ASS PROJECT #: 764-14

DATE	REVISIONS

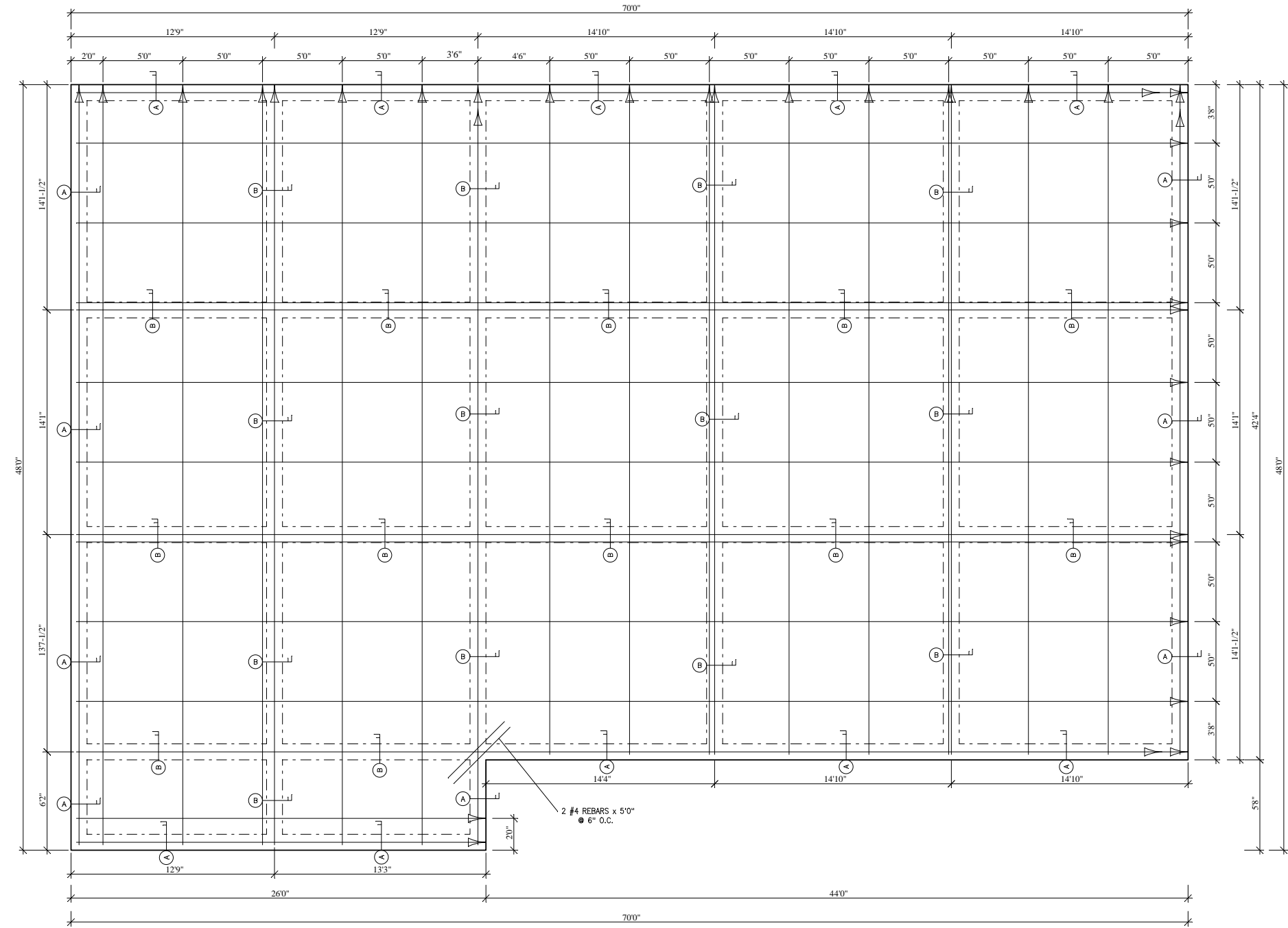
SHEET
PT-1
OF
PT-1

SPECIFICATIONS – SLAB ON GRADE

1. This plan is to be only for the location below:
LOT 27A, DEL NORTE
DENHAM SPRINGS, LOUISIANA
2. The concrete mix should yield a minimum compressive strength of 3000 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI-318 (latest version). No chlorides shall be allowed.
3. Concrete shall have a minimum compressive strength of 1500 p.s.i. at time of stressing.
4. All conventional reinforcing steel shall meet ASTM-A615 (Grade 60). Reinforcing steel shall be detailed and accessories provided in accordance with the latest "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures".
5. All Prestressing steel shall consist of seven-wire low relaxation strand conforming to ASTM-A416. Minimum ultimate tensile strength shall be 270 ksi. Strands shall be coated with a permanent rust preventive lubricant and a plastic sheath of at least 0.040 inches thick.
6. Reinforcement shall have 3" cover in the grade beam bottoms, 2" cover in the beam sides and top, 1 1/2" cover in the slab top and bottoms, unless noted otherwise.
7. 1 layer of 6 mil (min) polyethylene vapor barrier shall be placed under all concrete, except beam bottom & exterior face.
8. Tendons and bars shall be securely supported to prevent both vertical and horizontal movement during concrete placing. No tendon will be unsupported for more than 5 feet.
9. If tendon sheathing is damaged or removed from live end anchor more than 2" it SHALL be repaired. "Duck" tape is not allowed to touch actual strand. Replace sheathing prior to taping. If tendon sheathing is damaged or removed along length of the tendon for approximately 4" or more it should be repaired. Sheathing behind a fixed anchor may be removed for 12" to 14".
10. Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
11. The contractor shall verify all drops, off-sets, brick ledges, and block outs and Architectural plans and notify the Engineer of any discrepancies that may exist.
12. The contractor shall be responsible for coordination of the structural drawings with all other drawings.
13. The tendon location at the end of the grade beam is to be a "minimum" of 6" from the top of the slab to the CGS of the tendon. All tendon anchorages may be moved 12" horizontally or 1-1/2" vertically. Anchors shall not be stressed prior to finish grade.
14. Tendons are to be stressed no earlier than 6 days and no later than 14 days after concrete placement. Contractor to remove all form work prior to stressing of tendons.
15. Loading of the slab prior to tensioning shall not be done without the approval and direction of the design Engineer.
16. Grade Beam sizes may vary by -10%, +20%. Tendons may be moved 12" horizontally to avoid conflicts.
17. Alteration to or deviation from the information shown on this sheet without the written advance approval from Acadian Structural Solutions will void designer's responsibility.
18. All tendons to be 1/2" in diameter.
19. Stressing: 1/2" strand stress to 33.0 kips - anchor at 28.9 kips.
20. This plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting forms.
21. All subgrade fill shall be select granular material compacted to 90% standard Procter density in a maximum of 6" lifts.
22. A minimum of 4" of concrete will be maintained throughout the entire slab.
23. All runoff water must be carried away from the slab to prevent saturation of the sub-base.
24. All trees within close proximity shall be removed to prevent the roots from extending under the slab.
25. Remove a minimum of 12" of existing soil and all unstable silt prior to placing any fill.
26. Maximum of 2.0 feet of fill may be placed on the site. Maximum differential fill shall not exceed 20%.
27. Tendons, pocket formers, plastic chairs, anchors, wedges to be as manufactured by Tech-Con Systems, Inc., Slidell, LA. or approval equal.
28. No field supervision provided under this seal unless otherwise noted.
29. Exterior footings will have a minimum of 12" embedment below finished grade.
30. Contractor to install all floating forms, porch brick ribbon forms, and any brick-ledges greater than 6" deep before P.T. cable placement. Do not install brick-ledges less than 6" deep prior to tendon installation.
31. Seal is lot specific and for structural design only. Drawing and design valid for one (1) year after latest date in title block.

NOTE:
IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM THE FOUNDATION FROM THE TIME FORMS ARE SET UNTIL THE CONSTRUCTION OF THE BUILDING IS COMPLETE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.

ALTHOUGH EVERY EFFORT HAS BEEN MADE TO DESIGN THIS FOUNDATION ACCORDING TO THE ARCHITECTURALS SUBMITTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF THE DIMENSIONS, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.



P.T. SLAB AREA = 3110.67 sq. ft.
DO NOT USE THIS PLAN TO SET FORMS!

