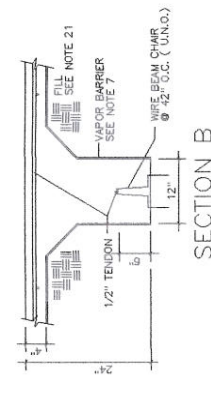
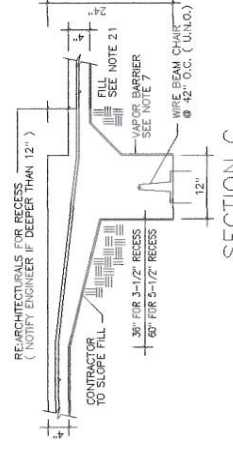


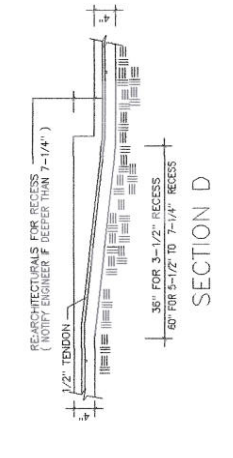
SECTION A



SECTION B



SECTION C



SECTION D

SPECIFICATIONS - SLAB ON GRADE

- This plan is to be only for the location below:
LOT 73, TARTAN TRACE DRIVE, HIGHLAND S/D
ST. TAMMANT PARISH, LOUISIANA
- Concrete shall have a minimum compressive strength of 3000 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI-308 (latest version). No chlorides shall be allowed.
- Concrete shall have a minimum compressive strength of 1500 p.s.i. at time of stressing.
- 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 Reinforcing Steel.
- 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 0.025 inches thick.
- Reinforcing steel shall be placed in the grade beam bottom 2" cover in the beam side and top, 1 1/2" cover in the slab bottom.
- 1-layer polyethylene vapor barrier shall be placed under all concrete.
- 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.
- Shrinkage joints shall be placed at 12' to 14'.
- Shrinkage behind a fixed anchor may be removed for 12' to 14'.
- Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
- Verify the Engineer's design for any assembly of tendon anchors with all other drawings.
- The tendon location shall be as shown on the structural drawings with all other drawings.
- 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.
- Tendons are to be stressed no earlier than 5 days and no later than 14 days after concrete placement.
- Stressing shall be done in accordance with the information shown on this sheet without the written advance approval of the Engineer.
- Loading of the slab prior to tensioning shall not be done without the approval and direction of the design Engineer.
- Grade Beam sizes may vary by -10%, +20%.
- Attention to or deviation from the information shown on this sheet without the written advance approval of the Engineer shall be the responsibility of the contractor.
- All tendons to be 1/2" in diameter.
- Stressing: 1/2" strand stress to 33.0 kpsi - anchor at 28.9 kpsi.
- The plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting maximum of 6" lifts.
- All subgrade fill shall be select granular material compacted to 90% standard Proctor density in a maximum of 6" lifts.
- A minimum of 4" of concrete will be maintained throughout the entire slab.
- All runoff water must be carried away from the slab to prevent saturation of the sub-base.
- Remove a minimum of 1/2" of existing soil and all material fill prior to placing any fill.
- Maximum of 2.0 feet of fill may be placed on the site. Maximum differential fill shall not exceed 20%.
- Tendons, post-tensioning, plastic chairs, anchors, wedges to be as manufactured by Tech-Con.
- No field expansion provided under this seal unless otherwise noted.
- Exterior footings will have a minimum of 12" embedment below finished grade.
- Contractor to install all loading forms, perch brick ribbon forms, and any brick-ledges greater than 6" deep before P.T. cable placement. Do not install brick-ledges less than 9" deep prior to tension installation.

DO NOT USE THIS PLAN TO SET FORMS!

NOTE
IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM THE FOUNDATION. REDUCTION OF THE PERCENTAGE OF FOUNDATION CONSTRUCTION AND THE BUILDING IS COMPLETE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.

REVISED: 19 JULY 04
P.T. SLAB AREA = 3055.80 sq. ft.

GARY WILLIAMS CONST.
LOT 73, TARTAN TRACE DR., HIGHLAND SD
ENGINEERING SERVICES, INC.
57362 ALLEN RD. SLIDELL, LA. 70461
SCALE: 1/4" = 1'-0" DATE: 01 JULY 04 DRAWN BY: EPH PROJECT NO: 092-04

Colombella