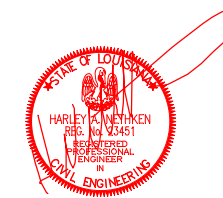


TYPICAL ANCHOR PLACEMENT AT CORNERS FOR SHEARWALL LOCATIONS

SPECIFICATIONS - SLAB ON GRADE

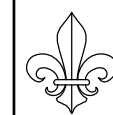
- This plan is to be only for the location below:
425 CARROLL ST., MANDEVILLE
ST. TAMMANY PARISH, LOUISIANA
- The concrete mix should yield a minimum compressive strength of 3000 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI-318 (latest version). No chlorides shall be allowed. Concrete shall have a minimum compressive strength of 2000 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 Detailing Reinforced Concrete Structures".
- All prestressing steel shall consist of seven-wire low relaxation strand conforming to ASTM-A16. 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. 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.
- 1 layer of 6 mil (min) polyethylene sheathing shall be placed under all concrete for friction reduction, except beam bottom and exterior face. Refer to Architect and local codes for additional requirements.
- 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 42 inches.
- 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".
- Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
- 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.
- The contractor shall be responsible for coordination of 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. All tendon anchorages may be moved 12" horizontally or 1-1/2" vertically. Anchors shall not be below exterior finish grade.
- 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.
- 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%. Tendons may be moved 12" horizontally to avoid conflicts. 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.
- All tendons to be 1/2" in diameter.
- Stressing: 1/2" strand stress to 33.0 kips - anchor at 28.9 kips.
- This plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting forms.
- All subgrade fill shall be select material, clayey sand or silty sands (SC/SM or AASHTO A-2-4) compacted to 90% Standard Proctor density in a maximum of 9" lifts and shall extend 5'-0" beyond the perimeter of the foundation in all directions u.n.o. If unavailable sand (SP / AASHTO A-3) may be used if grade beam shape is maintained. Refer to note 16.
- A minimum of 4" of concrete will be maintained throughout the entire slab. A tolerance of + 3/4" shall not be exceeded.
- All runoff water must be carried away from the slab to prevent saturation of the sub-base.
- All trees within close proximity shall be removed to prevent the roots from extending under the slab.
- Remove a minimum of 12" of existing soil and all unstable silt prior to placing any fill.
- Maximum 24.0 feet of fill may be placed on the site. Maximum differential fill shall not exceed 20%.
- Tendons, pocket formers, plastic chairs, anchors, wedges to be furnished by Tech-Con Systems, Inc. Slidell, LA. or approval equal.
- No field supervision provided under this seal unless otherwise noted.
- Exterior footings will have a minimum of 12" embedment below finished grade.
- 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.
- Liveend and Deadends may be swapped/reversed as needed, u.n.o.
- Seal is lot specific and for structural design only. Drawing and design valid for one (1) year after latest date in title block.
- Installation of brittle floor coverings (tile, brick, stone) shall be installed as per "The Tile Council of North America - Handbook for Ceramic, Glass, and Stone Tile Installation", for structural slabs subjected to deflection and bending.
- Concrete areas requiring decorative stained or scored concrete shall be brought to the Engineer of Record prior to concrete placement for additional reinforcement or design considerations.

DO NOT USE THIS PLAN TO SET FORMS!



REVISED: 20 JUN 19

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.



TOMMY COUSIN
425 CARROLL ST., MANDEVILLE, ST. TAMMANY PARISH
ACADIAN STRUCTURAL SOLUTIONS
57362 ALLEN RD. SLIDELL, LA. 70461

SCALE	DATE	DRAWN BY	PROJECT No.
1/4" = 1'0"	13 JUN 19	EJG	540-19

P.T. SLAB AREA = 2741.2 sq. ft.