

SLAB & BEAM REINFORCEMENT SCHEDULE

NOTE:

4" THICK SLAB WITH #3's @ 15" O.C.E.W. IN SLAB.

(2) #5's @ TOP & BOTTOM OF ALL BEAMS WITH #3 U-BARS @ 36" O.C.

SPECIAL FOUNDATION NOTES

1. THIS DRAWING IS PRIMARILY FOR BEAM AND STEEL. THE CONTRACTOR IS REQUIRED TO COORDINATE THIS FOUNDATION PLAN WITH THE ARCHITECTURAL DRAWING FOR OFFSETS, DROPS, OPENINGS AND INSERTED ITEMS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS BEFORE CONSTRUCTION OF SLAB. NORTEX CANNOT BE HELD LIABLE FOR ANY CONTRACTOR OVERSIGHT IN THIS REGARD.



TX FIRM REGISTRATION#: F-6417

JOB NUMBER 22-177280	GEO-TECH ENGINEER:	NA	BEAM SCHEDULE		
	GEO-TECH REPORT #:	NA			
	GEO-TECH REPORT DATE:	NA	WIDTH	DEPTH	
	DRAWN BY:	HM	INT	10"	26"
	DATE:	10/19/2022	EXT	10"	26"
	SCALE:	1/8" = 1'-0"			
	SIZE:	1719 SQFT			

HANK BOUNKHONG
PLAN #: RODDY RESIDENCE
 GREEN FIELD ACRES ADDITION
 LOT: 1RB BLOCK: 4
 5606 LEA CREST LANE
 FORT WORTH, TX

NORTEX FOUNDATION DESIGNS, INC.
 4416 KELLER HICKS ROAD
 FORT WORTH, TX 76244
 (817) 379-0866
 info@nortexfoundation.com



DESIGN

- The conventional steel reinforced design of this foundation structure has been evaluated using acceptable engineering practice in accordance with the latest recommendations as set forth by the International Codes Council and the American Concrete Institute.
- Designed beam sizes, beam spacing, steel qualities and spacings shown are minimum requirements needed to allow the structural system to adequately perform in conjunction with designed information listed in the above referenced publication. The intent is not to eliminate soil movement, but to limit foundation flexure during inevitable differential movement.
- This design does not allow for improper drainage, trees located closer than their mature height to the foundation, improper maintenance, or errors and neglect by the person/persons contracted to follow this design. (improper maintenance is defined by - lack of uniform, systematic watering on all sides of the foundation. see construction note #4 and refer to maintenance schedule supplied with invoice)

MATERIALS

- All concrete shall have a minimum compressive strength of 3000 p.s.i. at 28 days.
- All conventional reinforcing shall be new billet steel conforming to A.S.T.M. A-615 grade 60. Reinforcement shall be free of rust and deleterious materials.
- admixtures should not contain any chemicals in quantity that may have a harmful effect on the steel or cement. chlorides, sulfites and nitrates should not be used.

CONSTRUCTION

- All beams should be excavated as follows unless specified otherwise by the geotechnical report:
 - All beams must extend 12" into undisturbed (virgin) soil. beam depths may be sloped or increased as much as 24" without additional reinforcing. when beam depth exceeds 34", contact design engineer for additional reinforcing requirements.
 - All fill under slab must be compacted to 95% of standard proctor density A.S.T.M.-D698 and conform to FHA sheet 79G. All fill soil under slab shall be placed in accordance with the geotechnical report specifications. The soil engineer shall certify compaction of the fill soil.
- Partial piercing of the foundation is prohibited. Piers may be used only if the are specifically shown in the design. Refer to pier schedule for diameter, depth, and reinforcing required. Piers may be terminated when solid rock (auger refusal) is encountered. Pier tops should be clean and exposed to the beam.
- Final grading shall be done using sand or a non-capillary material. Waterproofing is required in accordance with International Residential Code R406.2 for residential structures or International Building code 1807.3 for commercial structures unless local codes are more stringent. Minimum 6 mil polyvinyl. Split poly at beams to avoid air pockets and prevent insulation of grounding electrode. No poly allowed in bottom of beams.
- Site grading and drainage around the foundation must be maintained at all times in such a manner the surface or ground water will not collect under, near or adjacent to the slab.
- The contractor is responsible to advise owner of proper foundation maintenance. Moisture content should be kept consistent annually with consideration to seasonal changes of temperature and moisture variations. Proper drainage away from slab is required to preserve the performance of the foundation. Refer to maintenance schedule supplied with invoice.
- Trenches for deep plumbing lines should not be located directly under beams. compaction of back fill at plumbing lines is required prior to final grading.
- Provide minimum 6 mil polyvinyl. poly shall not bridge over the bottom of the beams and shall be laid freely on the sides of the trenches and supported of the pads to avoid air pockets and prevent insulation of grounding electrode. No poly allowed in bottom of beams.

GENERAL

- This drawing is primarily for beam and steel placement. The contractor is required to coordinate this foundation plan with the architectural drawing for offsets, drops, openings and inserted items.
- Waterproofing of the foundation, including drops with associated vapor barriers, stem wall drains, perimeter drains, etc. is not included in this design and is the responsibility of others including the owner and builder.
- Care should be taken by the owner and builder to ensure that soils have proper moisture content before the foundation is poured. The presence of dry or wet soils when the foundation is poured, may contribute to excessive foundation movement when moisture is reintroduced or removed. These plans do not account for foundation movement that may result from dry or wet soil conditions that may exist at the time the foundation is poured.

** A PRE-POUR INSPECTION FOR THIS FOUNDATION **
Must be accomplished by the design engineer of record for the foundation, or a certified lab.

Notice: All post tension materials to be supplied by a post tension institute certified fabricator.

DO NOT USE THIS PLAN TO SET FORM BOARDS

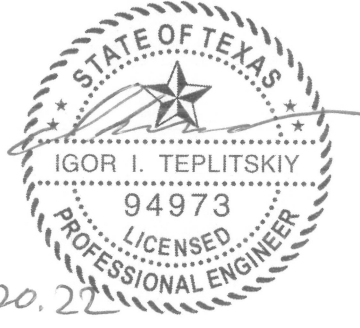
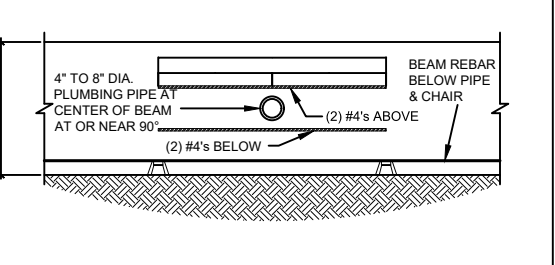
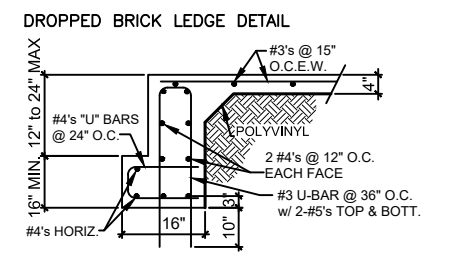
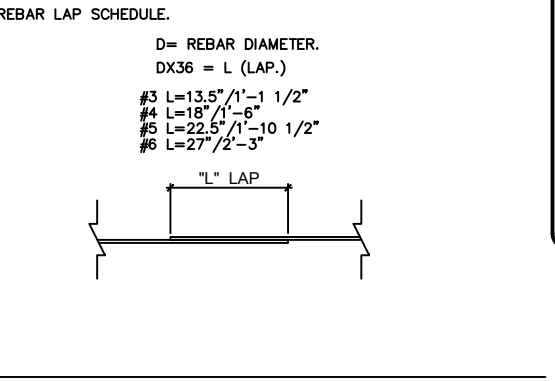
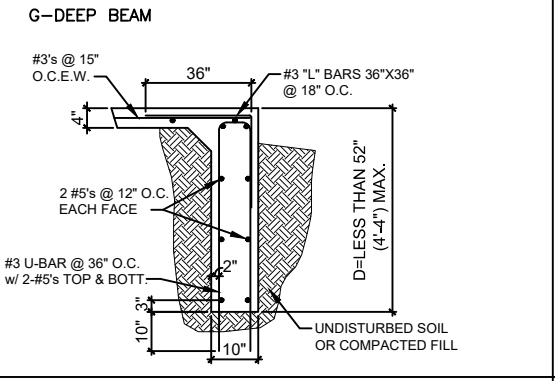
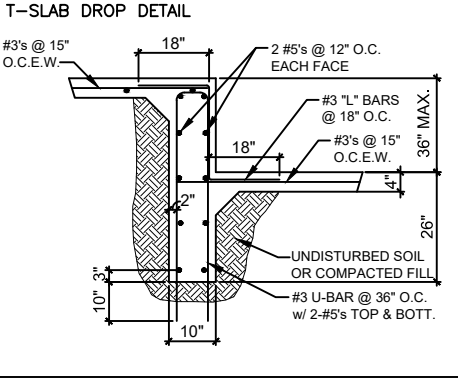
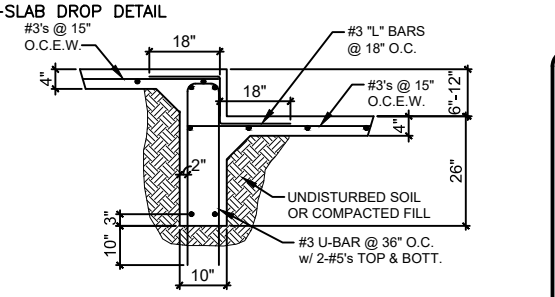
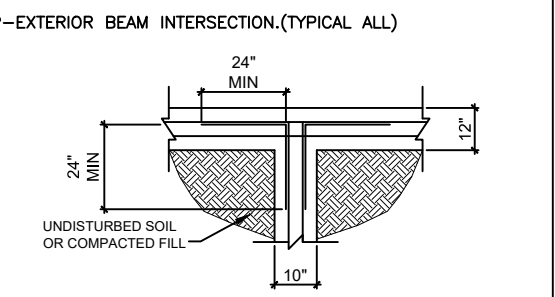
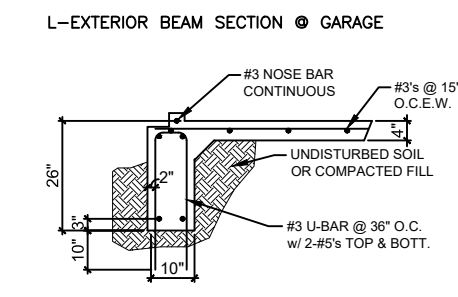
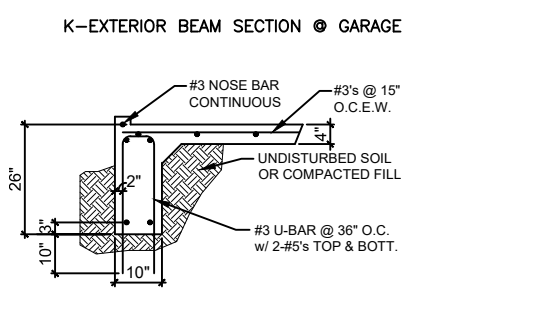
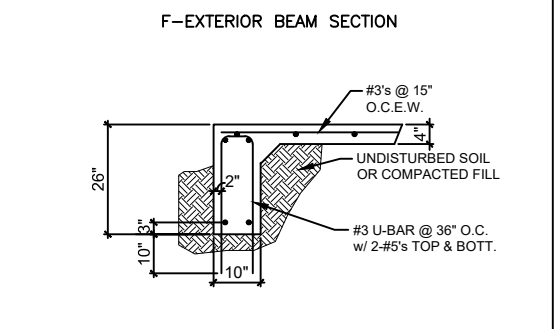
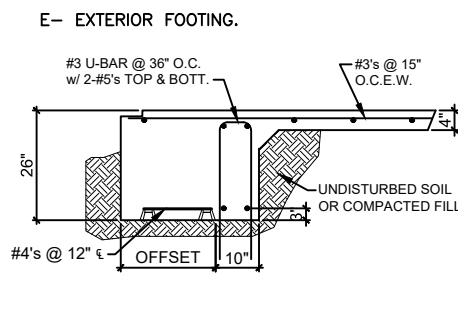
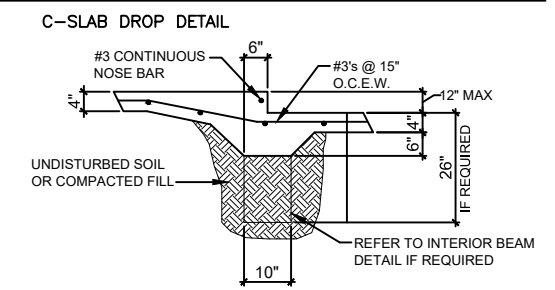
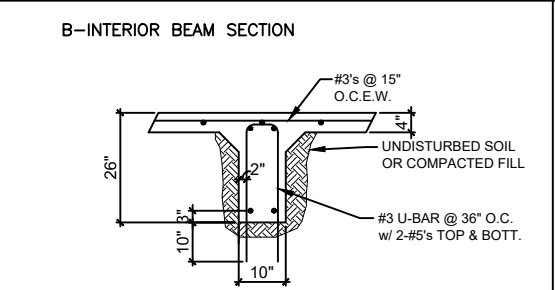
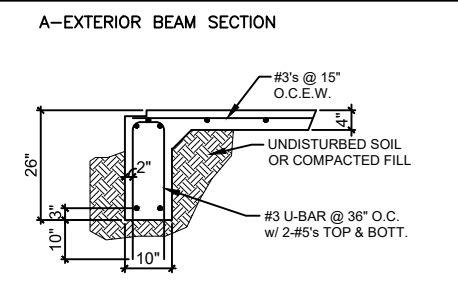
INSPECTION NOTES:

- Engineered prints must be present or obtainable on job site in order to provide a pre-pour inspection.
- Inspections should be scheduled 24 hours in advance. However, we will make every attempt to schedule same day inspections called in before 8:00 a.m. Inspections outside the metroplex require a 24 hour notice.
- Pre-pour inspections must be done after the installation is complete and at least 24 hours prior to pouring concrete foundation.
- Inspections are required for all Nortex foundation designs.

NORTEX INSPECTIONS CAN BE ORDERED AT 817-379-0866

NOTE:

The use of these plans and specifications shall be restricted to the original site for which they were prepared. This document and any accompanying design document is null and void if not accompanied by an original design letter, signed and sealed by the engineer of record. Any reproduction or reuse, or disclosure by any method, in whole or in part, is prohibited. This plan and its specifications contain proprietary information and are the sole property of Nortex Foundation Design, Inc., Fort Worth, Texas.



NFD

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