

designed in accordance with 19 Code, 2010 Edition.

2. Applied loads:

a. Wind Velocity (V) = 90 mpv.
b. Exposure: C
c. Importance Factor (I) = 1.0
d. Velocity Pressure Exposure Coefficient (Kz) = 0.85
e. Wind Directioncity Factor (Kd) = 0.85
f. Topographic Factor (Kz) = 1.0
g. Wind Pressure = 0.00256(0.85)(1.0)(X-2)(1)
P = 0.00256(0.85)(1.0)(0.85)(90)^2(1.0)
P = 15.0 psf

constructed entirely on the project property

normal weight concrete having sand shed stone aggregate. Wixed with I or III portland cement to meet the sive strength as follows:
J psi @ 28 days
300 psi @ 28 days
300 psi @ 28 days
Juctural: 3000 psi @ 28 days
Juctura

or beam bottom (3") If pier or beam side (2") and, pier or beam sides, exposed (1") sed to weather; panels (3/4"),

uous unscheduled reinforcing inimum las of 30 bar diameters

on the following minimum

soil properties:
a. Soil Compaction ******* 90% std. proctor
b. Bearing Capacity ******* 1,500 psf
c. Friction Resistance ****** 260 psf
d. Lateral Bearing ******** 100 psf/ft of depth

a. Fresh poured concrete shall be tamped in to place using steel rammer, slicing tools, or mechanical vibrator, until concrete is throughly compact and without void.

b. Exception for footing shall be on undisturbed soil or to the death noted on the drawings. Leave the bottom bearing surface clean and smeoth. If footing exceptions are made deeper than intended, only concrete shall be used for fill. Remove all loose material from

Deformed type bars shall conform to ASTM-A 615, Deformed type bars shall conform to ASTM-A 615, Grade 60 placed as shown on the drawings.

Steel reinforcing wire shall meet U.S. Steel Wreguge, ASTM-A 82. fy = 70,000 psi min galvanized. All ties and strups shall conform to the requirements of ASTM-A/ 615, grade 40.

All wire mesh shall be 9 gauge galvanized having 3 harizontal bars and 4 vertical on 16 inch centers.

leinforcing workmonship:

, Reinforcement steel shall be fabricated in accordance with the CRSI Standard Detail.

Reinforcing bars shall be cold-bent only.

Use of heat to bend reinforcement steel shall be cause for rejection.

Reinforcement steel bars and wire fabric shall be thoroughly clenned before placing and again before the concrete is placed. Shall be accurately positioned and secured in place. No brick of porous materials may be used to support the steel off the materials.

Il reinforcement with the following e between reinforcing steel and face of

DATE

RANCHRAIL HILLTOP CONCRETE

18775 FM 2493 Flint, TX 75762 (903) 630 - 5465

