

STRUCTURAL GENERAL NOTES

- A. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE DRAWING READER'S CONVENIENCE...
B. ALL REFERENCES TO REFERENCE STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS...
C. SUBMIT SHOP DRAWINGS, PROJECT DATA AND SAMPLES AS SPECIFIED IN PROJECT SPECIFICATIONS.
D. ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Unit/Type, and Full Name. Includes entries like ANCHOR BOLT, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, APPROXIMATE, ARCHITECT(URAL), BEAM, BOTTOM OF, etc.

DESIGN CRITERIA

- A. REFERENCES: 1. ICC INTERNATIONAL BUILDING CODE, 2012 EDITION...
B. DEAD LOADS: ROOF DEAD LOAD = 10 PSF, ROOF COLLATERAL\* LOAD = 5 PSF...
C. LIVE LOADS (U.N.O.): FLOORS = 300 PSF, ROOF = 20 PSF...
D. ROOF SNOW LOAD: GROUND SNOW LOAD, Pg = 5 PSF...
E. WIND LOAD: ULTIMATE DESIGN WIND SPEED, Vuft = 115 MPH...
F. SEISMIC DESIGN DATA: SEISMIC IMPORTANCE FACTOR, I = 1.0, SDS = 0.226, etc.

FOUNDATIONS

- A. FOUNDATIONS, FOUNDATION SLABS, SLABS ON GRADE AND OTHER ITEMS RELATED TO THE SOIL ARE DESIGNED BASED ON THE INFORMATION LISTED BELOW...
B. ALLOWABLE BEARING PRESSURES AS FOLLOWS: CONTINUOUS WALL FOUNDATIONS = 2000 PSF...
C. GEOTECHNICAL ENGINEER SHALL BE RETAINED BY OWNER TO PROVIDE OBSERVATION AND TESTING SERVICES...
D. PRIOR TO PLACING ENGINEERED FILL, THE SITE SHALL BE STRIPPED AND PROOF ROLLED...

STRUCTURAL CONCRETE

- A. REFERENCES: 1. ACI 318-11 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE...
B. MATERIALS: 1. STRUCTURAL CONCRETE a) MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS...
C. REINFORCEMENT: 1. REINFORCING BARS: ASTM A615, GRADE 60...
D. ACCESSORIES: a) BAR SUPPORTS CLASS 1...
E. ANCHOR RODS: a) SHALL BE GALVANIZED...
F. MECHANICAL (TORQUE-CONTROLLED) ANCHORS...
G. ADHESIVE ANCHORS: a) APPROVED SYSTEMS INCLUDE HIT-RE 500...
H. REINFORCEMENT DETAILING: 1. ALL REINFORCING STEEL DETAILS SHALL BE IN ACCORDANCE WITH THE ACI CODE REQUIREMENTS...

STRUCTURAL CONCRETE

- 13. SPREAD BARS AROUND SMALL OPENINGS AND SLEEVES IN SLABS AND WALLS WHERE POSSIBLE AND WHERE BAR SPACING WILL NOT EXCEED 1.5 TIMES THE NORMAL SPACING...
14. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONCRETE...
15. NO REINFORCING STEEL SHALL BE FIELD BENT WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER...
16. WELDING INCLUDING TACK WELDING, FOR REINFORCING STEEL IS PROHIBITED...
17. ALL OPENINGS THROUGH WALLS, SLABS OR OTHER STRUCTURAL ELEMENTS NOT DETAILED ON THE STRUCTURAL DRAWINGS...
18. MODIFICATION AND REPAIR TO EXISTING CONCRETE: (A) SEE CONCRETE SPECIFICATIONS FOR COMPLETE EXTENSION...
D. FOOTINGS: 1. CENTER ALL FOOTINGS ON WALL, PIER OR COLUMN...
E. FORMWORK: 1. RUSTICATION, CHIPS, CHAMFERS, DRIPS, MISC. EMBELLISHMENTS...
F. CONCRETE FINISHES: 1. FORMED SURFACES: EXPOSED TO VIEW: SMOOTH ARCHITECTURAL FINISH...
G. CURING AND PROTECTION: PER ACI 301
H. SEE THE MECHANICAL, ELECTRICAL AND SUPPLIERS DRAWINGS...
J. EMBEDDED PIPES OR CONDUIT: MAXIMUM DIAMETER ONE THIRD x SLAB OR WALL THICKNESS...
K. SUBMITTALS: 1. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE FOLLOWING DOCUMENTS TO THE ENGINEER OF RECORD:

CONCRETE MIX DESIGN TABLE with columns: TYPE, USE, 28 DAY STRENGTH (PSI), MAX AGGREGATE SIZE, % AIR RANGE, MAX W/C RATIO, REQUIRED ADDITIVES SEE NOTE 4)

NOTES:

- 1. PROVIDE MIX WITH CEMENT CONTENT OF 480-500 #/CY AND FLY ASH CONTENT OF 60-100 #/CY...
2. ALL ADMIXTURES SHALL BE CHLORIDE FREE...
3. TYPE A, B, AND C. SHALL BE FREEZING AND THAWING CATEGORY F2 AND CORROSION CATEGORY C1.
4. SLUMP RANGE: A. 4" NOMINAL UNLESS HIGH RANGE WATER REDUCING ADMIXTURE IS USED. B. 3" MAXIMUM BEFORE ADDITION OF HIGH RANGE WATER REDUCING ADMIXTURE.

TETRA TECH



ISSUED FOR BID



BY

MARK DATE DESCRIPTION 1 02/11/19 ISSUED FOR BID

CITY OF ALPHARETTA OLD ROSWELL STREET PARKING LOT MODIFICATIONS GENERAL NOTES

PROJ: 200-01297-19012 DESN: TJM DRWN: BRJ CHKD: JLB

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