



DESIGN CRITERIA:

DESIGN CRITERIA:
2018 INTERNATIONAL BUILDING CODE WITH THE CITY OF COVINGTON AMENDMENTS

ROOF SNOW LOADS:
GROUND SNOW LOAD (Pg): 5 PSF
EXPOSURE FACTOR (Ce): 1.0
IMPORTANCE FACTOR (I): 1.0
THERMAL FACTOR (Ct): 1.0

ROOF LOADS:
LIVE LOAD: 20 PSF
DEAD LOAD: 20 PSF

WIND LOADS:
3 SECOND GUST: 106 MPH
RISK CATEGORY: II
EXPOSURE CATEGORY (MWFRS): C
INTERNAL PRESSURE COEFF.: ±.18

SEISMIC LOADS:
RISK CATEGORY: II
SEISMIC IMPORTANCE FACTOR (I): 1.0
SITE CLASSIFICATION: D
MAPPED SPECTRAL RESPONSE S4.0
Ss: 1.79g
S1: .82g
SPECIAL RESPONSE COEFF.: 0.197g
SHORT PERIODS (SD1): 0.197g
SEISMIC HAZARD CATEGORY: B
WOOD SHEARWALLS
RESPONSE MOD FACTOR (R): 6.5
DESIGN BASE SHEAR (Cb): 0.03W
ANALYSIS BY SIMPLIFIED PROCEDURE

FOUNDATION NOTES - TYP U.N.O.:

FOUNDATION 1. FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL ENGINEERING REPORT BY COLE & ASSOCIATES, INC. DATED OCTOBER 5th, 2020 PROJECT NO. 1280-20-048. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
2. COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT. FOUNDATION DESIGN IS BASED ON 2500 PSF ALLOWABLE BEARING CAPACITY.
3. CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
4. REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
5. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
6. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
7. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
8. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
9. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

CONCRETE:
CONCRETE SHALL BE HARD ROCK CONC. (5 SACK CEMENT PER CU. YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

LOCATION	MIN STRENGTH 28 DAY PSI (4000 DESIGN)	AGGREGATE SIZE - INCHES 1" x 4"	SLUMP INCHES 3-1/2"	TOLERANCE +/- 1/2"
SLAB ON GRADE	(4000 DESIGN)	1" x 4"	3-1/2"	+/- 1/2"
FOUNDATIONS	(3000 DESIGN)	1" x 4"	3-1/2"	+/- 1/2"

- A. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.
- B. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
- C. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-05 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.
- D. ANCHOR BOLTS - A36 OR A307, USE 6/8" DIAMETER x 12" ANCHOR BOLTS (A.B.) AT 48" O.C. U.O.N. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONC.
- E. TO RESIST FREEZE - THAW DETERIORATION W/C. RATIO SHALL NOT EXCEED .50 FOR CONCRETE IN CONTACT WITH SOILS.
- F. TOTAL AIR CONTENT TO BE 6% ± 1.5%.

SLAB:

- A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWF 6#6-W1.4x1.4 OR #3 BARS @ 18" O.C. EA. WAY. SLAB SHALL BE SUPPORTED BY FIRM TO STILL EXISTING FILL. UNDISTURBED RESIDUAL SOILS OR NEW STRUCTURAL FILL AFTER IMPLEMENTATION OF SITE PREPARATION DESCRIBED IN SOILS REPORT. SLAB SHALL BE UNDERLAIN BY AN EFFECTIVE VAPOR RETARDER TO REDUCE POSSIBILITY OF SLAB DAMPNESS DUE TO UPWARD MIGRATION OF SOIL MOISTURE. SEE SOIL REPORT FOR ADDITIONAL INFORMATION AND/OR REQUIREMENTS PRIOR TO PLACEMENT OF SLAB CONCRETE.
- B. CONTRACTOR TO SAW CUT CONTROL JOINTS PER DETAIL 5/S4.0. THE MAXIMUM AREA BOUNDED BY CONTROL JOINTS SHALL NOT EXCEED 144 SQUARE FEET.

MISCELLANEOUS:

- A. DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.
- B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
- D. SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS, U.O.N.
- E. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS, U.O.N.
- F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

FOUNDATION PLAN 1/4" = 1'-0" A

ARCONSION
INCORPORATED
ARCHITECTURE / ENGINEERING / STORE PLANNING
SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO
1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146
PH. (314) 415-2400 FAX (314) 415-2300
www.arcon.com



PROJECT NUMBER 20-1272
PROJECT MANAGER RAD
PROJECT ENGINEER SA
PROJECT DRAFTER ATG
CARUSO TUFLEY SCOTT INC.
consulting structural engineers
1215 W. Rio Salado Pkwy
Suite 200
Tempe, Arizona 85281
(480) 774-1700
(480) 774-1701 FAX

CONTRACT DATE: XXXX/20
BUILDING TYPE: ENDEAVOR MED 40
PLAN VERSION: SEPT 2020
BRAND DESIGNER: 200 109
SITE NUMBER: 297222
STORE NUMBER: 003717

TACO BELL
6151 HWY 278 NW
COVINGTON, GA 30014



FOUNDATION PLAN

S1.0

DESIGN CRITERIA D

FOUNDATION NOTES C

FOUNDATION KEYNOTES B