ROOF

20 PSF

NOTES:

GENERAL CONSTRUCTION:

- THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR DETERMINING THE MEANS, METHODS, SEQUENCES, AND SAFETY PROCEDURES USED IN PERFORMING THE WORK. SHOULD THE ENGINEER VISIT THE SITE, OF A CONTRACTOR IT IS IN THE CAPACITY AS ENGINEER AND NOT IN THE CAPACITY
- N CREATE A FAILURE OR HAZARD SHALL BE BROUGHT TO THE IMMEDIATE ANY CONDITION ENCOUNTERED IN THE EXISTING STRUCTURAL SYSTEM WHICH IS DIFFERENT FROM THAT INDICATED IN DRAWINGS OR WHICH MIGHT ATTENT ION OF THE ENGINEER.
- GROUT BELOW BEAM BEARING AND COLUMN BASE PLATES SHALL BE IN PLACE AND PROPERLY CURED PRIOR TO ANY APPLICATION OF LOAD TO THE SUPPORTED MEMBER.

DESIGN CRITERIA:

- THE STRUCTURAL ENGINEERING DESIGN IS BASED ON AND ACCORDANCE WITH THE FOLLOWING CODE(S) INTERNATIONAL BUILDING CODE IBC 2018

 AMERICAN SOCIETY OF CIVIL ENGINEERS ASCE7-16 Z
- 2 UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING TYPICAL UNIFORM LOADS:

ND WONS PG **EXPOSURE C** 109 **20 PSF**

SEISMIC 조전 SS 0.096g S1 0.070g SITE CLASS 0.85

ASSUMED NET ALLOWABLE BEARING PRESSURE SOIL PER REPORT PROVIDED BY: \Box

CONCRETE REINFORCEMENT:

- REINFORCMENT MATERIALS: A. DEFORMED BARS NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING A MINIMUM YIELD STRENGTH OF 60000 PSI.
- REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE MOST CURRENT EDITIONS OF CONCRETE REINFORCING STEEL INSTITUTE 'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING

 $\bar{\omega}$

CONCRETE:

- REINFORCED CONCRETE IS DESIGNED IN ACCORDANCE WITH AND SHALL BE PLACED IN COMPLIANCE WITH PROVISIONS OF THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS:
- ACI 304- RECOMMENDED PRACTICE FOR MEASURING, MIXING TRANSPORTING, AND PLACING OF CONCRETE
- CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE." ACI 318- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
- CONCRETE MIX DESIGNS: CLASS A CONCRETE-MEETING THE FOLLOWING REQUIREMENTS: AIR ENTRAINED
- SLUMP: 4" ± 1
- MAXIMUM AGGREGATE SIZE: 3/4 INCH MAXIMUM W/C RATIO: 0.462 AIR CONTENT = 5.5% ± 1%

 \Box \Box \Box \Box \Box

- 1. ALL STRUCTURAL STEEL SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AISC "STEEL CONSTRUCTION MANUAL 360-16 STEEL

MINIMUM CONCRETE COMPRESSIVE STRENGTH (F 'C) AT 28 DAYS:

TO THE FOLLOWING ASTM SPECIFICATIONS: ROUND HSS SQUARE & RECTANGULAR HSS CHANNELS W-SHAPES A500 GRADE I

STRUCTURAL PLATE AND BARS

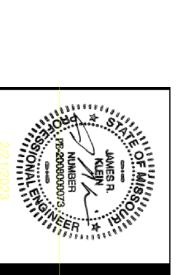
ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM

- BOLTS," DATED June 30, 2004. ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490
- ALL WELDED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE," DI.1.
- UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL WELDED OR BY SUBMERGED ARC WELDING GRADE AWS -2. CONNECTIONS SHALL BE MADE WITH A-233 CLASS E-70 SERIES ELECTRODES
- ALL EXTERIOR STEEL SHALL BE GALVANIZED, AND FIELD WELDS SHALL BE REPAIRED PER ASTM A 780 "STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS'

0

- ANCHOR BOLTS SHALL CONFORM TO ASTM FI554 GR36
- ALL GROUT BELOW ALL COLUMN BASE PLATES SHALL BE NON-SHRINK NON-METALIC GROUT UNLESS OTHERWISE SHOWN OR NOTED

CONTRACTOR SHALL CONFIRM ALL CONNECTIONS ARE INSTALLED FREE CORROSION OR OTHER DAMAGE 읶



JPB

REP

8/5/21

(314) 962-7900 / info@f-w.com