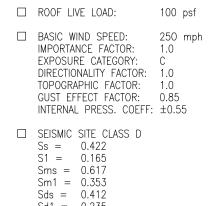


## **DESIGN LOADS:**



## **GENERAL NOTES:**

Sd1 = 0.235

- □ CONCRETE FOR FOOTINGS & FOUNDATIONS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000psi MINIMUM (f'c = 3000 psi)
- □ INSTALL ADHESIVE & MECHANICAL CONCRETE ANCHORS PER THE MANUFACTURER'S RECOMMENDATIONS
- ☐ THE FOUNDATION IS NOT DESIGNED SPECIFICALLY FOR EXPANSIVE SOILS PREVALENT IN OKLAHOMA. THE FOUNDATION IS ASSUMED TO BE SUFFICIENTLY RIGID TO RESIST THESE FORCES
- ☐ THE FOUNDATION DOES NOT EXTEND BELOW FROST DEPTH AS THIS IS NOT A BUILDING-TYPE STRUCTURE & NO HARM WILL RESULT FROM OVERALL FOUNDATION MOVEMENT
- □ IBC SPECIAL INSPECTION REQUIREMENTS (AND ICC-500 REQUIREMENTS) CAN BE MET BY EMPLOYING A QUALIFIED THIRD-PARTY INSPECTOR TO OBSERVE THE SUBGRADE & STEEL REINFORCEMENT PRIOR TO CONCRETE PLACEMENT. PROVIDE VISUAL INSPECTION OF POST-INSTALLED ANCHORS (EPOXY BOLTS)

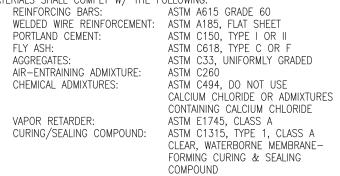
GENERAL BUILDING CODE REQUIREMENTS & ARCHITECTURAL/MECHANICAL REQUIREMENTS FOR THE SHELTERS ARE NOT ADDRESSED ON THESE STRUCTURAL PLANS

## CAST-IN-PLACE CONCRETE NOTES:

- COMPLY W/ THE FOLLOWING: ACI 301, SPECIFICATION FOR STRUCTURAL CONCRETE ACI 117, SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION & MATERIALS CRSI'S MANUAL OF STANDARD PRACTICE
- □ MATERIALS SHALL COMPLY W/ THE FOLLOWING: REINFORCING BARS:

VAPOR RETARDER:

PORTLAND CEMENT: FLY ASH: AGGREGATES: ASTM C33, UN AIR-ENTRAINING ADMIXTURE: ASTM C260 CHEMICAL ADMIXTURES:



- □ REFER TO THE GENERAL NOTES FOR THE MINIMUM COMPRESSIVE STRENGTH REQUIRED FOR EACH TYPE OF CONCRETE
- □ MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO SHALL BE 0.5
- □ SLUMP LIMIT SHALL BE 4" PLUS OR MINUS 1". CONCRETE W/ HIGH RANGE WATER-REDUCING ADMIXTURE OR PLASTICIZING ADMIXTURE SHALL HAVE A SLUMP OF 2" TO 4" PRIOR TO ADDING ADMIXTURE
- □ MAINTAIN AIR CONTENT TO THE RANGE PERMITTED BY ACI 301. DO NOT ALLOW AIR CONTENT OF SLABS TO RECEIVE TROWELED FINISHES TO EXCEED 3%
- □ USE FLY ASH AS NEEDED TO REDUCE THE TOTAL AMOUNT OF PORTLAND CEMENT, WHICH WOULD OTHERWISE TO BE USED, BY NOT LESS THAN 30%
- □ FOR CONCRETE EXPOSED TO DE-ICING CHEMICALS, LIMIT FLY ASH TO 25% REPLACEMENT OF PORTLAND CEMENT BY WEIGHT
- □ CONSTRUCT FORMWORK ACCORDING TO ACI 301 & MAINTAIN TOLERANCES AND SURFACE IRREGULARITIES WITHIN ACI 347R LIMITS OF CLASS A (1/8") FOR CONCRETE EXPOSED TO VIEW & CLASS C (1/2") FOR OTHER CONCRETE SURFACES
- □ COMPLY W/ CRSI'S MANUAL OF STANDARD PRACTICE FOR FABRICATING, PLACING, & SUPPORTING REINFORCEMENT
- PROVIDE TROWELED FINISH FOR FLOOR SURFACES & FLOORS TO RECEIVE FLOOR COVERINGS, PAINT, OR OTHER THIN FILM FINISH COATINGS. PROVIDE NONSLIP BROOM FINISH TO EXTERIOR CONCRETE PLATFORMS, STEPS, & RAMPS
- □ CURE FORMED CONCRETE SURFACES BY MOIST CURING FOR AT LEAST SEVEN DAYS
- □ BEGIN CURING CONCRETE SLABS AFTER FINISHING. APPLY MEMBRANE FORMING CURING & SEALING COMPOUND TO CONCRETE

**REVISIONS:** 

