1. CODES, GUIDES, SPECIFICATIONS AND REFERENCES:

EXPENSE.

DATED TEST RESULTS AS OUTLINED AS SPECIFIED ACCORDING TO MINIMUM REQUIREMENTS OF ACI 318, CHAPTER 5, AND ANY FLY-ASH MEETING ASTM C618 MAY BE SUBSTITUTED FOR MAXIMUM 20% OF THE REQUIRED PORTLAND CEMENT BY WEIGHT WITH NORMAL WEIGHT, 28 DAY COMPRESSIVE STRENGTH = 4000 PSI MINIMUM FOUNDATIONS (AND FILLS FOR SLABS ON GRADE AND RETAINING WALLS) BEFORE CONCRETE POURS, AND SHALL CERTIFY IN WRITING.

NS & FS = NEAR SIDE AND FAR SIDE

"B" TENSION SPLICE.

*UNLESS NOTED OR DETAILED OTHERWISE, ALL REINFORCING STEEL TO BE SPLICED PER REQUIREMENTS OF ACI CLASS.

*ALL CONCRETE AND REINFORCING SHALL BE PLACED AND CURED IN ACCORDANCE WITH ACI MANUAL OF CONCRETE PRACTICE AND OTHER CONDITIONS.

*CONCRETE SHALL BE PLACED WITHIN 1 1/2 HOURS OF MIXING. WATER ABOVE THE AMOUNTS CALLED FOR IN THE SUPPLIERS C94.

*ALL JOB STRUCTURAL CONCRETE SHALL BE PROVIDED BY A CERTIFIED READY-MIX CONCRETE SUPPLIER IN ACCORDANCE WITH ASTM TYPE 1 PORTLAND CEMENT, AGGREGATE PER ASTM C33 WITH MAX. SIZE = 1".

*CONCRETE EXPOSED TO WEATHERING:

*CONCRETE NOT EXPOSED TO WEATHER:

*DESIGN AND CONSTRUCTION PER ACI318, AND THE GOVERNING BUILDING CODE.

5. CONCRETE:

3. DESIGN LOADS

2. ABBREVIATIONS:

1. GENERAL NOTES:

- ACI = AMERICAN CONCRETE INSTITUTE
- A.C.I. BUILDING CODE REQUIREMENTS FOR STRUCTURAL PLAIN CONCRETE, ACI 318
- A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318

- WATER CEMENT RATIOS: 0.45-0.48 SLABS, 0.50 FOR ALL OTHERS.  SLUMP LIMITS = 3" +/-1"

- CONCRETE SUPPLIER SHALL PROVIDE MIX DESIGNS CONTAINING THE FOLLOWING INFORMATION TO THE ENGINEER FOR APPROVAL:
- CONCRETE SHALL BE PLACED WITHIN 1 1/2 HOURS OF MIXING.

- WATER ABOVE THE AMOUNTS CALLED FOR IN THE SUPPLIERS C94.

- ALL JOB STRUCTURAL CONCRETE SHALL BE PROVIDED BY A CERTIFIED READY-MIX CONCRETE SUPPLIER IN ACCORDANCE WITH ASTM TYPE 1 PORTLAND CEMENT, AGGREGATE PER ASTM C33 WITH MAX. SIZE = 1"

- CONCRETE EXPOSED TO WEATHERING:

- CONCRETE NOT EXPOSED TO WEATHER:

- DESIGN AND CONSTRUCTION PER ACI318, AND THE GOVERNING BUILDING CODE.

- WATER CEMENT RATIOS: 0.45-0.48 SLABS, 0.50 FOR ALL OTHERS.  SLUMP LIMITS = 3" +/-1"

- CONCRETE SUPPLIER SHALL PROVIDE MIX DESIGNS CONTAINING THE FOLLOWING INFORMATION TO THE ENGINEER FOR APPROVAL:
- CONCRETE SHALL BE PLACED WITHIN 1 1/2 HOURS OF MIXING.

- WATER ABOVE THE AMOUNTS CALLED FOR IN THE SUPPLIERS C94.

- ALL JOB STRUCTURAL CONCRETE SHALL BE PROVIDED BY A CERTIFIED READY-MIX CONCRETE SUPPLIER IN ACCORDANCE WITH ASTM TYPE 1 PORTLAND CEMENT, AGGREGATE PER ASTM C33 WITH MAX. SIZE = 1"

- CONCRETE EXPOSED TO WEATHERING:

- CONCRETE NOT EXPOSED TO WEATHER:

- DESIGN AND CONSTRUCTION PER ACI318, AND THE GOVERNING BUILDING CODE.

- WATER CEMENT RATIOS: 0.45-0.48 SLABS, 0.50 FOR ALL OTHERS.  SLUMP LIMITS = 3" +/-1"

- CONCRETE SUPPLIER SHALL PROVIDE MIX DESIGNS CONTAINING THE FOLLOWING INFORMATION TO THE ENGINEER FOR APPROVAL:
- CONCRETE SHALL BE PLACED WITHIN 1 1/2 HOURS OF MIXING.

- WATER ABOVE THE AMOUNTS CALLED FOR IN THE SUPPLIERS C94.

- ALL JOB STRUCTURAL CONCRETE SHALL BE PROVIDED BY A CERTIFIED READY-MIX CONCRETE SUPPLIER IN ACCORDANCE WITH ASTM TYPE 1 PORTLAND CEMENT, AGGREGATE PER ASTM C33 WITH MAX. SIZE = 1"

- CONCRETE EXPOSED TO WEATHERING:

- CONCRETE NOT EXPOSED TO WEATHER:

- DESIGN AND CONSTRUCTION PER ACI318, AND THE GOVERNING BUILDING CODE.

- WATER CEMENT RATIOS: 0.45-0.48 SLABS, 0.50 FOR ALL OTHERS.  SLUMP LIMITS = 3" +/-1"

- CONCRETE SUPPLIER SHALL PROVIDE MIX DESIGNS CONTAINING THE FOLLOWING INFORMATION TO THE ENGINEER FOR APPROVAL:
- CONCRETE SHALL BE PLACED WITHIN 1 1/2 HOURS OF MIXING.

- WATER ABOVE THE AMOUNTS CALLED FOR IN THE SUPPLIERS C94.

- ALL JOB STRUCTURAL CONCRETE SHALL BE PROVIDED BY A CERTIFIED READY-MIX CONCRETE SUPPLIER IN ACCORDANCE WITH ASTM TYPE 1 PORTLAND CEMENT, AGGREGATE PER ASTM C33 WITH MAX. SIZE = 1"

- CONCRETE EXPOSED TO WEATHERING:

- CONCRETE NOT EXPOSED TO WEATHER:

- DESIGN AND CONSTRUCTION PER ACI318, AND THE GOVERNING BUILDING CODE.

- WATER CEMENT RATIOS: 0.45-0.48 SLABS, 0.50 FOR ALL OTHERS.  SLUMP LIMITS = 3" +/-1"

- CONCRETE SUPPLIER SHALL PROVIDE MIX DESIGNS CONTAINING THE FOLLOWING INFORMATION TO THE ENGINEER FOR APPROVAL:
- CONCRETE SHALL BE PLACED WITHIN 1 1/2 HOURS OF MIXING.

- WATER ABOVE THE AMOUNTS CALLED FOR IN THE SUPPLIERS C94.

- ALL JOB STRUCTURAL CONCRETE SHALL BE PROVIDED BY A CERTIFIED READY-MIX CONCRETE SUPPLIER IN ACCORDANCE WITH ASTM TYPE 1 PORTLAND CEMENT, AGGREGATE PER ASTM C33 WITH MAX. SIZE = 1"

- CONCRETE EXPOSED TO WEATHERING:

- CONCRETE NOT EXPOSED TO WEATHER:

- DESIGN AND CONSTRUCTION PER ACI318, AND THE GOVERNING BUILDING CODE.

- WATER CEMENT RATIOS: 0.45-0.48 SLABS, 0.50 FOR ALL OTHERS.  SLUMP LIMITS = 3" +/-1"

- CONCRETE SUPPLIER SHALL PROVIDE MIX DESIGNS CONTAINING THE FOLLOWING INFORMATION TO THE ENGINEER FOR APPROVAL:
- CONCRETE SHALL BE PLACED WITHIN 1 1/2 HOURS OF MIXING.

- WATER ABOVE THE AMOUNTS CALLED FOR IN THE SUPPLIERS C94.

- ALL JOB STRUCTURAL CONCRETE SHALL BE PROVIDED BY A CERTIFIED READY-MIX CONCRETE SUPPLIER IN ACCORDANCE WITH ASTM TYPE 1 PORTLAND CEMENT, AGGREGATE PER ASTM C33 WITH MAX. SIZE = 1".