**CONSTRUCTION NOTES**

1. ALL CONCRETE SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3,000 PSI. A MINIMUM OF FIVE (5) SACKS OF CEMENT PER CUBIC YARD, 3# TO DRY WEIGHT OF CEMENT PER CUBIC YARD. 3.0% AIR CONTENT USING ENTRAINING AGENT AS REQUIRED, 5 INCH SLUMP.

2. IF THE AIR TEMPERATURE IS GREATER THAN 90 DEGREES OR THE CONCRETE TEMPERATURE GREATER THAN 85 DEGREES, HOT WEATHER CONCRETING PROCEDURES SHALL BE USED. THE CONTRACTOR SHALL SUBMIT A PROCEDURE TO THE ARCHITECT FOR APPROVAL. THESE PROCEDURES MAY INCLUDE THE FOLLOWING:
   a) PLACING THE CONCRETE IN THE EARLY MORNING HOURS.
   b) THE USE OF EVAPORATION REDUCER (SEE BELOW)
   c) THE USE OF MISTING AS A CURING METHOD.
   d) THE USE OF WET BLANKETS AS A CURING METHOD.
   e) THE USE OF A RETARDING ADMIXTURE (NOT PREFERRABLE)

3. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE STANDARDS "CONCRETE CODE" (ACI 301-95) AND BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 318-95) AND "CONSTRUCTION SPECIFICATIONS FOR STRUCTURAL CONCRETE." THE CONTRACTOR SHALL TREAT ALL SUBGRADE OR THE SLAB REINFORCEMENT.

4. ANY CONCRETE TO BE PLACED FURTHER THAN 16 FEET FROM THE END OF A "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301-95).

5. REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO A.S.T.M. A-615, GRADE 60.

6. REINFORCING BARS, BAR SUPPORTS, AND SPACERS SHALL BE DETAILED AND PROVIDED IN ACCORDANCE WITH THE A.C.I. DETAILING MANUAL. CHAIRS SHALL BE THE FOLLOWING: DAYTON/RICHMOND PRODUCTS (800) 745-3707 OR EQUAL.

7. ALL GRADE BEAM STEEL SHALL BE CONTINUOUS WHERE POSSIBLE. TOP BARS AT SLABS ON GRADE: ( - SLAB THICKNESS 1 1/2") HIGH, TYPE R21, OR TYPE BBP. MASTER BUILDERS CONFILM EVAPORATION REDUCER SHALL BE USED AFTER EACH FINISHING OPERATION ON THE CAST IN PLACE CONCRETE FLOOR SLAB UNLESS PRIOR APPROVAL FROM THE ARCHITECT HAS BEEN OBTAINED TO NOT USE THIS PRODUCT.

8. MASTER BUILDERS CONFILM EVAPORATION REDUCER SHALL BE USED AFTER EACH FINISHING OPERATION ON THE CAST IN PLACE CONCRETE FLOOR SLAB UNLESS PRIOR APPROVAL FROM THE ARCHITECT HAS BEEN OBTAINED TO NOT USE THIS PRODUCT.

9. EPOXY ANCHORS, REBAR OR THREADED RODS, SHALL BE EITHER HILTI HIT 60 OR HILTI HIT 70 OR SIMILAR EPOXY-TIE ANCHORS. INSTALL ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS, WHICH INCLUDES CLEANING THE HOLE ANCHORS OR SIMPSON EPOXY-TIE ANCHORS. INSTALL ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS, WHICH INCLUDES CLEANING THE HOLE ANCHORS OR SIMPSON EPOXY-TIE ANCHORS.

10. NO PIPING OR CONDUITS SHALL BE INSTALLED IN ANY CONCRETE WITHOUT THE APPROVAL OF THE ARCHITECT.