**Foundation Plan**

*1/4" = 1'-0"*

**Foundations**
- All foundations to be in un consolidate native earth with adequate bearing pressure of 2000 psi. Excavation backfill to be a minimum of 1'-0" below final grade below finished surface with backfill to be completed to 95% of original density per ASTM D-856-81. Provide a membrane at C21-C concrete in bottom of all backfill.

**Concrete**
- Concrete strength to be 1'-0" x 3600 psi with a minimum water-cement ratio equal to 0.45 for non-air-entrained concrete and 0.44 for air-entrained concrete. Place about 3 inches thick to be specified.

**Concrete Reinforcement**
- All reinforcing steel to be ASTM A615 grade 40/70/100 grade. All steel to be continuous to ASTM A615. Place continuous course for reinforcement. Steel for concrete placed against wall, 2" for reinforced concrete in contact with soil. Extend horizontal steel to a 20" from outside face and top with below to 1'-0" distance of view side and footing.

Both heads and footings against soil walls to have a 1" of concrete. Use normal weight concrete in walls and footings. Footings shall be supported adequately at the ends and in each support by solid blocking except where the ends of joists are located to a header, and the end of each support shall be approved by solid blocking. In the case of joists in a header, the header shall be supported adequately at the ends and in each support by solid blocking. In the case of joists in a header, the header shall be supported adequately at the ends and in each support by solid blocking. Light gauge steel framing connectors and their required fasteners shall be "strong enough" by Design Computing, or approved. All steel to be designed per building code requirements. All other framing shall be per IRC Table No. 2882.3.1. Notes shall be galvanized common.