**FOUNDATION NOTES:**

1. **CONCRETE:** All concrete shall conform to the ASTM C109/C109M standard, and the strength shall be at least 3000 psi.
2. **Reinforcement:** Rebars shall be in accordance with the ACI 318-19 code.
3. **Soil Conditions:** Assumed soil bearing capacity is 2000 PSF minimum, and conditions shall be verified in the field before construction.
4. **Drainage:** Perimeter drain system shall be provided as required per site conditions.

**DESIGN CRITERIA:**

**FOUNDATIONS:**
- Footings to be 3000 psi concrete with reinforcing.
- Foundation walls to be 3000 psi concrete.
- Floors and slabs to be 2500 psi concrete.

**COMPACTED FILL:**
- Footings to rest on firm undisturbed soil, or compacted fill 95% of maximum dry density.
- All soft/organic or unstable areas shall be removed and replaced with compacted fill.

**SOIL CONDITIONS:**
- Assumed soil bearing capacity is 2000 PSF minimum.
- Contractor to verify conditions.

**PERIMETER FOUNDATION:**
- Contractor to provide and install perimeter drainage system as required per site conditions.

**SLAB AT GRADE:**
- 8" slab at grade.

**FROST WALL:**
- 4'-0" frost wall.

**REINFORCEMENT:**
- 8" concrete foundation wall, reinforced with (2) #5 rebar @ top.
- 4" concrete slab, reinforced with 6 x 6 WWF 2.1 E mesh.

**SLOPE TO GRADE:**
- 1/8" / foot.

**WHITE CEDAR SHINGLES:**
- @ 5" max. exposure on building wrap.

**ON 1/2" CDX PLYWOOD SHEATHING:**
- On 2 x 4 studs @ 16" O.C.

**INSULATE:**
- With min 4" of 2 lb closed-cell spray foam.

**2 X 6 P.T. MUDSILL:**
- Fasten with 5/8" dia. anchor bolts @ 40" O.C. with 3" x 3" x 1/4" steel washers.

**4" X 20" CONCRETE FOOTING:**
- Reinf. with (3) #5 rebar @ bottom (typ.) with continuous 2 x 4 keyway.

**DAMP PROOFING:**
- Capillary break over footing (damp proofing or membrane).
- Filter fabric.
- Coarse gravel (no fines).
- Perforated drain pipe.

**FREE-DRAINING BACKFILL:**
- T.O. Foundation wall.
- T.O. footing.
- B.O. footing.
- T.O. plate.
- T.O. slab.
- B.O. plate.