Floor Slab on Ground Design Information Sheet

Project: ______________________________ Size: ______________ square feet

1. Sub-base: k-value: _________ psi, Directly beneath floor is (circle one):
   Sand or gravel or blended sand & gravel or 1 layer poly or 2 layers poly

2. Concrete Compressive Strength: _________ psi.

3. Lift Truck Capacity: _________ lb. Mfr./Model:
   _________ / _________ Maximum Axle Load:
   _________ lb. Tires: Solid or Pneumatic
   Tire Width: ___ in.; Pressure: _________ psi
   Wheel spacings:
   Ws: _________ in., Sd: _________ in.

4. Should floor be designed for vehicle traffic across floor joints? Yes or No

5. Storage Rack Loads: Design
   Post Loads (lb.):
   P1: _________, P2: _________, P3: _________, P4: _________
   Base Plate: _________ by _________ in.
   Spacings (in.):
   X: _________, Y: _________, Z: _________ (Z can be zero)
   Should floor be designed for posts located adjacent to floor joints? Yes or No

6. Uniformly Distributed Load (psf): _________ Set aisle widths?
   Yes or No
   If set aisle width: Width(s): _________ ft

7. Line Load (i.e. wall supported on floor): _________ plf, Line Load width: _________ in
   Should floor be designed for wall located adjacent to floor joints? Yes or No

8. Interior or Exterior application

9. Maximum joint spacing: Length x Width _________ ft x _________ ft.

10. Temperature gradient between top and bottom floor surface: _________ ° F.

11. Age of floor when above design loads are applied (3, 7, 14, 28 or 90 days): _________ days

12. For estimating shrinkage stresses: Relative humidity: _________ water/cement ratio: _________
    By: ______________________ Phone: __________________ Date: ____________

Imix XS