GUIDELINES FOR PRECAST CONCRETE TREAD INSTALLATION | 3/5/10

1. SUBSTRATE INSPECTION
   A. Surface inspection for cracking and defects.
   B. Dimension verification of architecturals, shop drawings and substrate.
   C. Any corrections to substrate are to be completed before installation.

2. PRECAST TREAD LAYOUT
   A. Finish heights at all floors and landings to be established.
   B. Divide number of risers into the floor to landing height and determine the exact riser height.
   C. Establish exact tread width.
   D. Layout and mark all finished nosing locations on walls or stringers of stairway.
   E. Check precast tread dimensions before setting.

3. INSTALLATION OF PRECAST TREADS - THINSET APPLICATION
   A. Substrate of concrete or steel (steel at interior application only) must be within a tolerance of 1/8” in all dimensions.
   B. Steel or concrete surface to receive precast is to be primed with a concrete bonding agent.
   C. Latex modified thinset mortar is used in a full bed method over concrete substrate. Epoxy thinset is used over steel substrate.
   D. Set treads level and plumb to meet finished nosing layout marks.

4. INSTALLATION OF PRECAST TREAD - MORTAR SET APPLICATION
   A. Steel or concrete surface to receive precast is to be primed with a concrete bonding agent.
   B. The height of the mortar bed is established based on tread nosing layout marks. The mortar bed is then placed or screeded over primed substrate.
   C. Treads to be placed level and plumb to established nosing layout marks.

5. INSTALLATION OF PRECAST CONCRETE TREAD - TAB SET APPLICATION
   A. Substrate of concrete or steel (steel at interior application only) must be within a tolerance of 1/8” in all dimensions.
   B. Tabs to be set at front and back of tread every 18” to 24” maximum.
   C. Set treads level and plumb to established nosing layout marks.
   D. Shimming may be required if substructure is not true.

6. CAULKING OF PRECAST TREADS
   A. Clean all joints thoroughly, removing all debris.
   B. Wipe all joints with caulk manufacturer’s recommended cleaner prior to application.
   C. Use a urethane caulk. (Color match caulk to precast per architect selection.)
   D. Clean up after caulking as per caulk manufacturer’s recommendations.

7. FINAL CLEANING AND SEALING OF PRECAST TREADS
   A. Clean treads with a pH balanced soap.
   B. Check all surfaces and caulking, make repairs as necessary.
   C. Apply a coat of concrete sealer as per manufacturer’s recommendations. (Precast must be completely clean and dry before sealer is applied.)