



## Raymond Best Practices for Scaffolding

### Scaffold Requirements

- a. Raymond scaffold should be metal planked with external stair tower(s) for primary access outside main path of travel. Outside ladders should be installed per OSHA requirements and used only for emergencies and not as standard path of travel. If stair towers are unavailable, internal ladders should be used in separate bay outside of working path and last if this is unavailable then internal ladders in work path are to be installed.
- b. As an acceptable alternate to above requirements wood planks can be used in lieu of metal planks if scaffold is 4 stories or lower with **Area Manager's prior approval**. All access to scaffolding shall follow the rules above.
- c. See below for other information

### Pre-Planning for Scaffold

- a. Pre-construction vetting:
  1. What is the desired scaffold height and scaffold location and distance from wall framing (Scaffold plank must be within 16 inches of working surface)? Consult Plasterer and Lathers, not just carpenter.
  2. Where will the scaffold tiebacks be located? Threaded rod should be the standard.
  3. Not new scaffold removal techniques approved by safety before plaster finish coat
  4. Consideration and Input from all trades working on and in the immediate vicinity of the scaffolding (including plastering) before erecting scaffolding.
  5. Will other trades use scaffold after finishes are complete? Advise GC of scaffold release requirements.
  6. Consider scaffold removal. Note new approved procedures for removal.
  7. Where relevant, make sure with GC that the stub outs are out far enough from the side of the building so that they do not interfere with where the scaffolding goes
- b. Toe boards must be between 4 to 6 inches tall, and not to exceed 6 inches as larger toe boards hinder plaster operations.
- c. Wood plank scaffolds, where planks cannot overlap 12", must be tie wired down.
- d. Ground level scaffolding should begin at a sufficient height for trades to be able to move freely without crouching or crawling underneath it.
- e. Scaffold for ceilings to be set up to finish ceiling height and other methods to be preplanned to access above ceiling work prior to scaffold install.
- f. All scaffolding that require tarps must be fully pinned and engineered with increased numbers of connections, Best practice is to hold up 36" from the ground to allow air flow, but it's low enough to keep people from trying to access the building through the scaffold or alter the scaffold at ground level.



- g. Stair Towers are the preferred method for ascending scaffolding outside the main path of travel if possible. As often as possible, stair towers should be part of scaffold buyout to get more competitive pricing.
- h. Outside ladders are to be installed for emergencies only and not used as standard path of travel for Raymond employees. This will cut down on the number of stair towers and still stay in compliance with OSHA standards.
- i. If stair towers are unavailable, internal ladders are to be used in separate bay outside of working path if space is available. Otherwise, internal stairs within the path of travel, but this should be a last resort, not just to save money. .

### **Scaffold Management and Maintenance**

- a. Manage the scaffolding sub-contractor proactively – need to line them out and ask for the same crew. Where possible, put into contract.
- b. After exterior gypsum board is installed request that the scaffold company return in order to remove excess unnecessary inside guardrails. This process should be part of contract for scaffold company so it doesn't become a change order or added work

### **Scaffold Ties and Scaffold Tie Removal**

#### **1. Scaffold Ties**

- a. All thread scaffold tie back Systems should be used in place of bumps and tie wire.
- b. All thread scaffold tie backs are required to be a minimum of 6 inches of all thread from the finishing or molding.

#### **2. Scaffold Tie Removal**

- a. Finish tarps should be removed a minimum of one day before scaffold ties are removed
- b. Minimum of 1 day before finish meet with qualified person from Scaffold Company regarding scaffold tie removal.
- c. Scaffold Company will remove scaffold ties to avoid compromising safety or add cost to contract.
- d. Raymond will caulk and patch all threaded scaffold ties and allow a minimum of one-day cure before finish.
- e. No more than two bays above the last point of attachment can have the ties removed before finish.
- f. Raymond will apply finish to prepared area.
- g. Scaffold Company will remove scaffold to finished areas.
- h. Repeat the above steps on the following scaffold levels.