

03 lightweight and gypcrete Concrete Work. The work includes but is not limited to the following:

I. Mobilization

- a. The work includes mobilization of trucks, mixing trucks, carts and wheel borrows and machinery, equipment and tools to create and pour building Underlayment concrete flat work
- b. If onsite storage or parking is required this sub will work with the superintendent for accommodations
- c. If work staging area is required inform the superintendent

II. Material Handling

- a. The work includes ordering and receiving of materials for the completion of this scope.
- b. The sub will provide all machinery for lifting and unloading materials and equipment
- c. The sub will order only the materials and supplies it needs for a given module and avoid over-ordering and stockpile on site.

III. Material

- a. The sub will provide all sand
- b. The sub will provide all cement based gypcrete and lightweight products
- c. The sub will provide all floor patch and tape
- d. The sub will provide all membranes
- e. The sub will provide all wall flashing
- f. The sub will provide all fasteners
- g. The sub will provide all “gravel stops” at open edges
- h. The sub will provide all fuel and oil for equipment
- i. The sub will provide it’s own water for mixing gypcrete and lightweight material

IV. Concrete Underlayment work

- a. The sub will verify that the substrate is well broom cleaned.
- b. The sub will tape and fill any holes in floors allowing material to run through to the next level of work
- c. The sub will mix specified material onsite to a smooth texture that when applied can self level
- d. The sub will flash or install stops at all exterior applications
- e. The sub will install membranes with flashings as needed if the intent of the drawing is a watertight surface.
- f. The sub will make sure that material is floated beneath the tub and tub shower units thereby completing the rated assemblies.
- g. The work includes storage closets
- h. GC will try to have two buildings ready to go at one time.
- i. The work includes all interior and exterior floors as identified on the drawings or in the specifications and should be bid as interior gypcrete and as exterior lightweight concrete.

V. Cleaning

- a. Gypcrete and lightweight is nasty stuff and needs to be cleaned from off of stairways, walls, fixtures such as tub showers, and any areas that material seeps from one floor down through to the next.
- b. The mixing and staging area will be picked up and organized and swept at the end of each day

VI. Protection of the work

- a. The installed work will be protected by placing barricades and ribbons at stairways and landings
- b. The materials will be protected from heat and rains and wintry conditions. On hot days concrete-curing agents must be used in order to prevent sprawling. In adversely wet or cold weather GC understands that the heat needs to be on in the buildings and will assume that responsibility
- c. GC will not be responsible for the care of gypcrete work once first placed as it is placed or as it is curing.

VII. Winter Protection

- a. The cost for winter protection is not known with any degree of certainty. It is GC's policy for this subcontractor to furnish heaters and blankets and visquene as required to ensure that work in place is protected from damage and to also cover building sub-grades at modules where sub grades are not protected from freeze.
- b. GC will provide all power and fuel for winter protection, the sub is to provide the heaters and blankets needed to maintain thaw.

VIII. Safety

- a. The work includes workmen on site who have been trained in OSHA safety requirements and who have the ability to recognize and unsafe act or condition and has the authority to stop work and make recommendations for improvements.

IX. Closeout

- a. There are no close out requirements for this subcontractor

X. Submittals

- a. As a part of the work this sub will make submittals on the following materials
 - 1. Lightweight material
 - 2. Gypcrete material
 - 3. Membrane

XI. Project schedule

- a. The schedule is comprised or the number of workdays required to complete work at a given building module. The superintendent will inform this subcontractor well in advance that he is ready for this scope to begin. After-which time this subcontractor will perform work to completion within the time constraints contractually agreed to. In other words and as an example this Subcontractor agrees to complete scope in building number one in 10 days, he will be given notice to begin work and expected to be completed with that work within the given time constraint.
- b. The schedule shall be based on the enclosed duration schedule:

XII. Value Engineering

- a. Submit all value-engineering ideas in the form of voluntary alternates.
Value-engineering is welcome.