

Excavation

Excavate for the basement, foundation walls, piers and chimneys to the depth shown on the plans. Excavate underneath the building to clear joists and girders 12 inches. The bottom of the footings shall be level and the difference of level must be made by horizontal stepped courses. All bases and trenches must be kept clear of water. Surplus dirt is to be used to fill in around new walls and for grading the lot as may be directed.

Foundation

The foundation, footings and piers may be built of brick, stone or concrete, perfectly true and plumb, in accordance with dimensions shown on plans.

All brick must be good, red, hard-burned, common brick, thoroughly wet when laid in dry weather. The mortar for the brick should be one part Portland cement to three parts clean sharp sand; 15 per cent of lime in putty form may be added after the cement, sand and water have been thoroughly mixed.

When concrete is used for the foundation a skilled workman should be employed and the materials should be of good quality. Portland cement, clean sand, and broken stone or gravel are to be used in the following proportions: one part cement, three parts sand and five parts of broken stone or gravel.

Native stone makes a desirable foundation and will be accepted if well done by a skilled mason.

Flues

Flues are to be built from the ground up according to the size and location shown on the plans and are to be lined with fireclay or cement troweled smooth to insure safety and service.

That part of the flue exposed between the floor and ceiling is to be plastered, and painted to harmonize with the interior of the room.

Framing Timber

All framing timbers, including sills, girders, joists, studs, plates, rafters, etc., are to be No. 1 pine, or equivalent, of sizes shown on the drawings.

All work is to be framed, braced and pinned in the best manner, perfectly true and plumb and in accordance with the drawings.

Bridge all joists with continuous rows of cross bridging, using 1x3 inch material with 2 nails at each end. Bridging shall not be over 8 feet apart. Bridge all bearing partitions twice and others once.

Partition studs will be either 2x4 or 2x6 as shown on plans. Form all angles solid by blocking and spiking together. Double the studs at all openings and truss over openings wider than 3 feet between studs. All timber not otherwise specified shall be of good grade merchantable timber free from any defects that will impair its strength and durability.

Sheathing

Cover the sidewalls, gables and roof with $\frac{7}{8}$ inch No. 2 sheathing, put on diagonally and securely nailed on each bearing.

Weatherboarding

The building is to be weatherboarded with well seasoned No. 1 siding, jointed only on bearings and well nailed. Knot holes, large knots, and other defects are to be cut out.