

walls shall be coped with stone, terra cotta or cast iron, or brick plastered over the whole surface with cement mortar.

SEC. 507. Hollow Walls.—In all walls that are built hollow Ib., Sec. 35. the same quantity of stone, brick or concrete shall be used in their construction as if they were built solid, as in this ordinance provided, and no hollow wall shall be built unless the parts of same are connected by proper ties, either of brick, stone or iron, placed not over twenty-four inches apart.

SEC. 508. Hollow Bricks on Inside of Walls.—The inside four Ib., Sec. 36. inches of all walls may be built of hard-burnt hollow brick, properly tied and bonded into the walls, and of the dimensions of ordinary brick. Where hollow tile or porous terra cotta blocks are used as lining or furring for walls, they shall not be included in the measurement of the thickness of such walls.

SEC. 509. Recesses and Chases in Walls.—Recesses for stair-Ib., Sec. 37. ways or elevators may be left in the foundation or cellar walls of all buildings, but in no case shall the walls be of less thickness than the walls of the fourth story, unless reinforced by additional piers with iron or steel girders, or iron or steel columns and girders, securely anchored to walls on each side. Recesses for alcoves and similar purposes shall not have less than eight inches of brickwork at the back of such recesses, and such recesses shall be not more than eight feet in width, and shall be arched over or spanned with iron or steel lintels, and not carried up higher than eighteen inches below the bottom of the beams of the floor next above. No chase for water or other pipes shall be made in any pier, and in no wall more than one-third of its thickness. The chases around said pipe or pipes shall be filled up with solid masonry for the space of one foot at the top and bottom of each story. No horizontal recess or chase in any wall shall be allowed exceeding four feet in length, without permission of the Commissioner of Buildings having jurisdiction. The aggregate area of recesses and chases in any wall shall not exceed one-fourth of the whole area of the face of the wall on any story, nor shall any such recess be made within a distance of six feet from any other recess in the same wall.

SEC. 510. Furred Walls.—In all walls furred with wood the Ib., Sec. 38. brickwork between the end of wood beams shall project the thickness of the furring beyond the inner face of the wall for the full depth of the beam.

SEC. 511. Light and Vent Shafts.—In every building hereaf-Ib., Sec. 39. ter erected or altered within the "commercial limits," "brick limits," or apartment houses or buildings of any description other than private dwellings, all the walls or partitions forming interior light or vent shafts shall be built of brick, or such other