

The illumination of the various offices includes 2,500 fixtures and the semi-indirect fixtures have glass of the highest efficiency and diffusive powers.

Illumination of the exterior is accomplished through the use of a series of lights with parabolic reflectors located along the edge of the marquise, so as to throw the light over the surface of the building.

A complete system of push buttons and annunciators for the respective officers and their staffs has been provided for throughout the building.

A fire alarm system connects with the city department and also with annunciators in the operating engineer's offices to indicate the location of a possible fire in the building.

A watchman's system installed so that a watchman's time is recorded on the clock as he makes his rounds.

There is a complete system of telephone, conduits, outlet boxes, inter-connection strips, etc., with the operating room located on the fifth floor of the building.

A system of secondary clocks operated from a master clock is placed in the elevator halls and large offices.

Some of the Details

The complete floor space of the terminal is 451,000 square feet, or about ten acres, made up as follows: Subway floor 104,000 square feet; concourse floor 70,000 square feet; six additional stories 180,000 square feet; elevated floor 70,000 square feet; kitchen and pent house 12,000 square feet, and garage east of Pine Street 15,000 square feet. The office building contains 235 working rooms, and there are 394 including utility rooms.

The foundations and structural work are designed for future extension of the office building to Pine Street, that will allow 50 per cent. more office space, or at least 90,000 square feet of floor area. Besides, there is a building space on Halsey Street and private right-of-way with a frontage of 80 feet and 150 feet deep, or 12,000 square feet per floor, that may be utilized.

The real estate involved is approximately 130,000 square feet, or about three acres. Real estate has been purchased adjacent to the terminal site between Pine Street and Mulberry Street, so that if ever in the future the canal bed is used for cars a connection can be made into the terminal. The entire excavation was 100,000 cubic yards, concrete 92,000 cubic yards, waterproofing 460,000 square feet, steel work 9,000 tons.

The entire amount of piping and conduits is approximately 44 miles.

The final specifications consisted of 109,000 words, and the blue prints of drawings sent out amounted to 70,000 square feet, or an area equal to that of Madison Square Garden.

The contract for the subway, including foundations west of Park Place, the entire excavation under the building, extending to Mulberry Street with foundations, the retaining walls on Mulberry Street, was let on June 10, 1914, to the Holbrook, Cabot & Rollins Corporation of New York, about three months after the final approval of the plans was given by the authorities. The contract for the remaining portion, including the superstructure, was awarded to the Hedden Construction Co., of New York, July 24, 1914.