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Alteration No. *32*

They make application to alter as per subjoined

Inspector of Building **1** **4** 1900

Detailed Statement of Specification for Alterations, Additions, or Repairs to Buildings already Erected,

and herewith submit a full set of Plans and Drawings of proposed Alterations.

1. State how many buildings to be altered, *One*
2. What is the Street or Avenue and the number thereof, *N° 103 First Ave.*
The Building Starts 6'0" off the Street Line
3. How much will the alteration cost, \$ *6000*

PRESENT BUILDING.

Give the following information as to the present building:

1. Size of lot on which it is located, No. feet front, *22'6"*; feet rear, *22'6"*; feet deep, *100'0"*
2. Size of building, No. of feet front, *22'6"*; feet rear, *22'6"*; feet deep, *52'0"*; No. of stories in height, *3 1/2* *& last*; No. of feet in height, from curb level to highest point, *49'0"*
3. Material of Building, *brick*; Material of front, *stone*
4. Whether roof is peak, flat or mansard, *flat*
5. Depth of foundation walls, *10* feet; thickness of foundation walls, *16"*; materials of foundation walls, *brick*
6. Thickness of upper walls, *12* inches. Material of upper walls, *brick*
7. Whether independent or party-walls, *party walls*
8. How the building is occupied, *Store in back & dwelling for three families*

HOW TO BE ALTERED.

IF RAISED OR BUILT UPON,

Give the following information:

1. How many stories will the building be when raised, *4 stories & basement*
2. How many feet high will the building be when raised, *54'0"*
3. Will the roof be flat, peak, or mansard, *flat*
4. What will be the thickness of walls of additional stories; *4th* story, *12* inches; story, _____ inches.
5. Give size and material of floor beams of additional stories; _____ story, _____ x _____, _____ story, _____ x _____. Distance from centres on _____ tier, _____ inches; _____ tier, _____ inches. *Roof beams to be raised*
6. How will the building be occupied, *Store in back & dwelling for four families*

IF EXTENDED ON ANY SIDE. *in front & in rear*

Give the following information:

1. Size of extension, No. feet front, *22'6"*; feet rear, *22'6"*; feet deep, *6'0"*; No. of stories in height, *2*; No. of feet in height, *10'0"* *16'0"*
2. What will be the material of foundation walls of extension. *stone* What will be the depth, _____ feet. What will be the thickness, *20* inches.
3. Will foundation be laid on earth, rock, timber or piles, *earth*

IF EXTENDED ON ANY SIDE,

Give the following information:

4. What will be the base—stone or concrete, Stone; if base stones, give size, and how laid 2'0" x 3'0" x 8" Thick laid crown; if concrete, give thickness, _____
5. What will be the sizes of piers, _____
6. What will be the sizes of the base of piers, _____
7. What will be the thickness of upper walls in 1st story, 12 inches; 2d story _____ inches; 3d story, _____ inches; from thence to top _____ inches; and of what materials to be constructed, Brick
8. Whether independent or party-walls; if party-walls, give thickness thereof, _____ inches.
9. With what material will walls be coped, 3" x 10" Stone
10. What will be the materials of front, _____; if of stone, what kind, _____
Give thickness of front ashlar, _____, and thickness of backing thereof, _____
11. Will the roof be flat, peak, or mansard, Flat
12. What will be the materials of roofing, tin
13. Give size and material of floorbeams, 1st tier, spruce, 3" x 11"; 2d tier, spruce, 3" x 10"; 3d tier, _____ x _____; 4th tier, _____ x _____; 5th tier, _____ x _____; 6th tier, _____ x _____; roof tier spruce, 3" x 9". State distance from centres on 1st tier, 16 inches; 2d tier, 16 inches; 3d tier, _____ inches; 4th tier, _____ inches; 5th tier, _____ inches; 6th tier, _____ inches; roof tier, 20 inches.
14. If floors are to be supported by columns and girders, give the following information: Size and material of girders under 1st floor, spruce, 8" x 8" under upper floors, _____
Size and material of columns under 1st floor, 5" diam wood under upper floors, _____
15. If the front, rear or side walls are to be supported, in whole or in part, by iron girders or lintels, give definite particulars, _____
16. If girders are to be supported by brick piers and columns, state the size of piers and columns _____
17. How will the extension be connected with present or main building, occupied & as a room in base & a kitchen & bathroom in the 1st story; by cutting down windows & forming doors of the same
18. How will the extension be occupied? If for dwelling purposes, state how many families are to occupy each floor, _____

IF ALTERED INTERNALLY,

Give definite particulars and state how the building will be occupied; and if for a dwelling, state by

how many families.

The first story floorbeams to be raised 14". All partitions to be continued in height, new partitions to be set on for floors. New floors to be laid. All front sashes to be taken out & new ones put in. A new store front to be put into the basement front & all general repairs made & out. A stoop to be put up leading from the yard to the first story

IF THE FRONT, REAR, OR SIDE WALLS, OR ANY PORTION THEREOF, ARE TO BE TAKEN OUT AND REBUILT,

Give definite particulars, and state in what manner.

The front wall in the basement to be taken out & three 15" heavy wrought iron beams resting on two 12" x 16" and 10" x 16" cast iron columns to be substituted. Each of the iron columns to have one iron collar & to be made fireproof as required by the Bldg Dept. All iron columns to have top & bottom plates & granite caps as required by Law. Iron in all columns to be 1" thick. Iron lintels to be tested before setting

Owner, Frederick W. Bomer Address, N^o 103 First Ave
 Architect, Julius Bonnell Address, " 54 Bond St
 Mason, _____ Address, _____
 Carpenter, _____ Address, _____

(The following must be signed by the party authorized to submit this detailed statement and the accompanying plans and drawings.)

New York, Apr 9th 1885

I do hereby agree that the provisions of the Building Law will be complied with in the alterations of the building herein described, whether the same are specified herein or not.

(Sign here) Julius Bonnell

REPORT UPON APPLICATION.

Fire Department, City of New York,

BUREAU OF INSPECTION OF BUILDINGS.

NEW YORK, April 7th 1885

To the Inspector of Buildings.

I respectfully report that I have thoroughly examined the foregoing described building and find the same to be built of Bricks 3 stor^{ies}, 50 feet in height, 22 feet front, 52 feet deep, flat roof. I have thoroughly examined and measured the walls, and find the foundation walls to be built of Bricks 12x16 inches thick; the upper walls are built of Bricks 12 inches thick, and _____ feet in height, and that the mortar in said walls is _____ hard and good, and that all the walls are _____ in a good and safe condition.

(The Examiner must here state what defects, if any, are in the walls, beams or other part of the building.)

See foundation wall - Bricks 12" thick from foundation
up to Bricks 12" x 16" thick (with walls are 8" thick
from wall above basement is 16 in Bricks 12" x 16" thick
from above basement is Bricks 12" thick. No defects visible

Theodore W. Dalley Examiner.

NOTICE TO OWNERS, ARCHITECTS AND BUILDERS.

THE BUILDING LAW REQUIRES

- 1st.—All stone walls must be properly bonded.
- 2d.—All skylights over 3 square feet must be of iron and glass.
- 3d.—All buildings over 2 stories or above 25 feet in height, *except dwellings and churches*, must have iron shutters on *every* window and opening above the first story.
- 4th.—Outside fire escapes are required on all tenement, flat and apartment houses, office buildings, lodging houses and factories, and *the balconies of such fire escapes must take in one window of each suite of apartments*, all to be constructed as follows:

BRACKETS must not be less than $\frac{1}{2}$ x $1\frac{1}{2}$ inches wrought iron, placed edgewise, or $1\frac{1}{2}$ inch angle iron, well braced, and not more than three feet apart, and the braces to brackets must be not less than $\frac{1}{2}$ inch square wrought iron, and must extend two-thirds of the width of the respective brackets or balconies. In all cases the brackets must go through the wall, and be turned down three inches.

BRACKETS ON NEW BUILDINGS must be set as the walls are being built. When brackets are to be put up on old houses, the part going through the wall shall not be less than one inch diameter, with screw nuts and washers not less than five inches square and $\frac{1}{2}$ inch thick.

TOP RAILS.—The top rail of balcony must be $1\frac{1}{2}$ inch x $\frac{1}{2}$ inch wrought iron, and in all cases must go through the walls, and be secured by nuts and 4 inch square washers, at least $\frac{3}{8}$ inch thick, and no top rails shall be connected at angles by the use of cast iron.

BOTTOM RAILS.—Bottom rails must be $1\frac{1}{2}$ inch x $\frac{1}{2}$ inch wrought iron, well leaded into the wall. In frame buildings the top rails must go through the studding and be secured on the inside by washers and nuts as above.

FILLING-IN-BARS.—The filling-in bars must be not less than $\frac{1}{2}$ inch round or square wrought iron, placed not more than 6 inches from centres, and well riveted to the top and bottom rails.

STAIRS.—The stairs in all cases must be not less than 18 inches wide, and constructed of $\frac{1}{2}$ x $3\frac{1}{2}$ inch wrought iron sides or strings. Steps may be of cast iron of the same width of strings, or $\frac{3}{8}$ inch round iron, double rungs, and well riveted to the strings. The stairs must be secured to a bracket on top and rest on and be secured to a bracket or extra cross bar at the bottom. All stairs must have a $\frac{3}{4}$ inch hand rail of wrought iron, well braced.

FLOORS.—The flooring of balconies must be of wrought iron $1\frac{1}{2}$ x $\frac{3}{8}$ inch slats placed not over $1\frac{1}{2}$ inches apart, and secured to iron battens $1\frac{1}{2}$ x $\frac{3}{8}$ inch, not over three feet apart and riveted at the intersection. The openings for stairways in all balconies shall not be less than 20 inches wide and 36 inches long and have no covers.

DROP LADDERS.—Drop ladders from lower balconies where required shall not be less than 14 inches wide, and shall be made of $1\frac{1}{2}$ x $\frac{3}{8}$ inch sides and $\frac{3}{8}$ inch rungs of wrought iron. In no case shall a drop ladder be more than 12 feet in length. In no case shall the ends of balconies extend more than nine inches over the brackets.

SCUTTLE LADDERS.—Ladders to scuttles shall be constructed in all cases the same as the stairs or step-ladders from balconies of fire escapes.

THE HEIGHT OF RAILING around balconies shall not be less than two feet nine inches.

NO FIRE ESCAPE WILL BE APPROVED BY THIS BUREAU IF NOT IN ACCORDANCE WITH ABOVE SPECIFICATIONS.

5th.—All walls must be coped with stone or iron. If coped with stone the stone must not be less than $2\frac{1}{2}$ inches thick, and if with iron, the iron must not be less than $\frac{1}{2}$ inch thick, and turned down at least $1\frac{1}{2}$ inches at edges.

6th.—Roofs must be covered with fire-proof material.

7th.—All cornices must be fire proof.

8th.—All furnace and boiler flues must be constructed as follows:

All FURNACE FLUES OF DWELLING HOUSES shall have at least eight-inch walls on each side. The inner four inches from the bottom of flue to a point two feet above the second story floor, shall be built of fire-brick laid with fire-clay mortar. No furnace flue shall be of less size than eight inches square, or four inches wide and sixteen inches long, inside measure. When furnace flues are located in the usual chimney stacks, the side of the flue inside of the house to which it belongs may be four inches thick. If preferred, the furnace flues may be made of cast-iron, or fire-clay pipe of proper size, built in the walls with an air space of not less than one inch between said pipes, and four inches of brick wall on the outside.

All BOILER FLUES must be lined with fire-brick at least twenty-five feet in height from the bottom, and in no case shall the walls of said flues be less than eight inches thick.

All flues not built for furnace or boiler flues must be altered to conform to the above requirements before they are used as such.

9th.—No iron beam, lintel, or girder, intended to span an opening over eight feet, or iron post, or column, intended to support a wall of stone or brick, or any floor or part thereof, shall be used for that purpose, *until tested and approved* as provided by law.