

Original

Form No. 2-1190.

Plan No. 1225

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APPLICATION TO ALTER, REPAIR, ETC.

Application is hereby made to alter as per subjoined detailed statement of specification for Alterations, Additions or Repairs to buildings already erected, and I herewith submit Plans and Drawings of such proposed alterations; and I do hereby agree that the provisions of the Building Law will be complied with, whether the same are specified herein or not.

NEW YORK, June 12th 1890

(Sign here) Elias Jacobs for Sp. Grand Archt

1. State how many buildings to be altered. one
2. What is the street or avenue and the number thereof? Give diagram of property. n^o 438 East 9th Street
3. How much will the alteration cost? \$ 350

GIVE THE FOLLOWING INFORMATION AS TO THE PRESENT BUILDING:

1. Size of lot on which it is located, No. of feet front, 26'6"; feet rear, 26'6"; feet deep, 27'
2. Size of building, No. of feet front, 26'6"; feet rear, 26'6"; feet deep, 27' No. of stories in height, 5; No of feet in height from curb level to highest point of beams, 50
3. Material of building, Brick; material of front, Brick
4. Whether roof is peak, flat, or mansard, flat
5. Depth of foundation walls 10 feet; thickness of foundation walls, 20; materials of foundation walls, Stone
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 or was occupied, Tenement

IF TO BE RAISED OR BUILT UPON, GIVE THE FOLLOWING INFORMATION:

1. How many stories will the building be when raised? 5
2. How high will the building be when raised? 50
3. Will the roof be flat, peak, or mansard? flat
4. What will be the thickness of wall of additional stories? story, inches; story, inches.
5. Give size and material of floor beams of additional stories; 1st tier, x 2d tier, x Distance from centres on tier, inches; tier inches.
6. How will the building be occupied? Tenement

IF TO BE EXTENDED ON ANY SIDE, GIVE THE FOLLOWING INFORMATION.

1. Size of extension, No. feet front,; feet rear,; feet deep,; No. of stories in height,; No. of feet in height,
2. What will be the material of foundation walls of extension? What will be the depth? feet. What will be the thickness? inches.
3. Will foundation be laid on earth, sand, rock, timber or piles?

IF TO BE EXTENDED ON ANY SIDE GIVE THE FOLLOWING INFORMATION.

4. What will be the base, stone or concrete? If base stones, give size and thickness and how laid, If concrete, give thickness,
5. What will be the sizes of piers? What will be the sizes of the base of piers?
6. What will be the thickness of upper walls? 1st story, inches ; 2d story, inches ; 3d story, inches ; 4th story, inches ; 5th story, inches ; 6th story, inches ; 7th story, inches ; from thence to top, inches ; and of what materials to be constructed,
7. State whether independent or party-walls. If party-walls give thickness thereof.
8. With what material will walls be coped?
9. What will be the materials of front? If of stone, what kind? Give thickness of front ashlar. Give thickness of backing.
10. Will the roof be flat, peaked or mansard?
11. What will be the materials of roofing?
12. Give size and material of floor beams, 1st tier, x ; 2d tier, x ; 3d tier, x ; 4th tier, x ; 5th tier, x ; 6th tier, x ; 7th tier, x ; roof tier, x State distance from centres on 1st tier, inches ; 2d tier, inches ; 3d tier, inches ; 4th tier, inches ; 5th tier, inches ; 6th tier, inches ; 7th tier, inches ; roof tier, inches
13. If floors are to be supported by columns and girders, give the following information : Size and material of girders under 1st floor, x under each of the upper floors, Size and material of columns under first floor, under each of the upper floors,
14. If the front, rear or side walls are to be supported, in whole or in part, by iron girders or lintels, give definite particulars,
15. If girders are to be supported by brick piers and columns, state the size of piers and columns.
16. How will the extension be connected with present or main building?
17. How will the extension be occupied? If for dwelling purposes, state how many families are to occupy each floor.
18. State who will superintend the alterations.

IF ALTERED INTERNALLY, GIVE DEFINITE PARTICULARS AND STATE HOW THE BUILDING WILL BE OCCUPIED :

The present roof beams to be raised at the front about 15" roof beams at rear to remain as at present, new partitions to be set on top floor, new Bulk head stair to roof; new galvanized Iron cornice in place of present wooden cornice; galv. iron sills & lintels for front openings;

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 :

.....

.....

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.....

.....

Owner Philip Jacobs Address 57 Ave. 'D'
 Architect William Gaul Address 215 Bowery
 Mason Address _____
 Carpenter Address _____

REPORT UPON APPLICATION.

BUREAU OF INSPECTION OF BUILDINGS,

NEW YORK, June 21 1898

To the Superintendent of Buildings:

I respectfully report that I have thoroughly examined and measured the building, walls, etc., named in the foregoing application, and found the foundation wall to be built of lime inches thick, 30 feet below curb, the upper wall built of brick inches thick, 50 feet deep. 50 feet in height, and that the mortar in said wall is hard and good, and that all the walls are in good and safe condition.

What is the nature of the ground? Good

What kind of sand was used in the mortar? Sharp

How is or was the building occupied? Dwelling

(The Inspector must here state what defects, if any, are in the walls, beams or other part of the building.)
 The " " state the thickness of each wall in each and every story.)

James Duffee Inspector.

THE BUILDING LAW REQUIRES:

- 1st—All stone walls must be properly bonded.
- 2d—All skylights having a superficial area of more than 9 square feet must be of iron and glass.
- 3d—All buildings over two stories or above 25 feet in height, *except dwellings, school houses, and churches*, on streets less than 30 feet wide, must have iron shutters on every window and opening above the 1st story. The front windows on streets over 30 feet wide are exempted.
- 4th—Outside fire escapes are required on all dwelling houses over two stories in height, occupied or built to be occupied by two or more families on any floor above the first, and on dwellings more than four stories in height, occupied by three or more families above the first floor, and on office buildings, hotels and lodging houses, factories, mills, workshops, hospitals, asylums and schools, all to be constructed as follows:

BALCONIES MUST NOT BE LESS THAN THREE FEET WIDE.

BRACKETS must not be less than 1/2 x 1 1/4 inches wrought iron, placed edgewise, or 1 3/4 inch angle iron 1/2 inch thick, well braced, and not more than three feet apart, and the braces to brackets must be not less than 3/4 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 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 1/2 inch thick.

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

BOTTOM RAILS.—Bottom rails must be 1 1/4 inch x 3/4 inch wrought iron or 1 1/2 inch angle iron 1/2 inch thick, 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 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 1/4 x 3 1/2 inch wrought iron sides or strings. Steps may be of cast iron of the same width of strings, or 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 3/4 inch hand rail of wrought iron, well braced.

FLOORS.—The flooring of balconies must be of wrought iron 1 1/2 x 3/4 inch slats placed not over 1 1/4 inches apart, and secured to iron battens 1 1/2 x 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 33 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 1/2 x 3/8 inch sides and 5/8 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~~ 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 terra cotta. If coped with stone, the stone must not be less than 2 1/2 inches thick; and if with terra cotta, the terra cotta must be made with proper lap joints.
- 6th—Roofs must be covered with fire-proof material.
- 7th—All cornices must be fire-proof.
- 8th—All FURNACE FLUES OF DWELLING HOUSES shall have at least eight inch walls on each side. No furnace flues shall be of less size than eight inches square, or four inches wide and sixteen inches long, inside measure. 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 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, intended to support a wall, shall be used for that purpose, until tested and approved as provided by law.

Plan No. 1643

Original

436

APPLICATION TO ALTER, REPAIR, ETC.

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Application is hereby made to alter as per subjoined detailed statement of specification for Alterations, Additions or Repairs to buildings already erected, and herewith submit Plans and Drawings of such proposed alterations; and do hereby agree that the provisions of the Building Law will be complied with, whether the same are specified herein or not.

NEW YORK, September 11th 1891

(Sign here)

Elias Jacobs
J. Kurtz & Robt
Archts.

1. State how many buildings to be altered, One
2. What is the street or avenue and the number thereof? Give diagram of property.
No. 438 E. 9th Street
3. How much will the alteration cost? \$ 1000^{00/100}

GIVE THE FOLLOWING INFORMATION AS TO THE PRESENT BUILDING:

1. Size of lot on which it is located, No. of feet front, 26'4"; feet rear, 26'4"; feet deep, 27'6"
2. Size of building, No. of feet front, 26'4"; feet rear, 26'4"; feet deep, 27'6" No. of stories in height, 5; No of feet in height from curb level to highest point of beams, 49
3. Material of building, Brick; material of front, Brick
4. Whether roof is peak, flat, or mansard, flat
5. Depth of foundation walls 10 feet; thickness of foundation walls, 20; materials of foundation walls, Brick
6. Thickness of upper walls, 12 inches. Material of upper walls, Brick
7. Whether independent or party walls, party wall at Easterly side.
8. How the building is or was occupied, 8 families

IF TO BE RAISED OR BUILT UPON, GIVE THE FOLLOWING INFORMATION:

1. How many stories will the building be when raised?
2. How high will the building be when raised?
3. Will the roof be flat, peak, or mansard?
4. What will be the thickness of wall of additional stories? story, inches; story, inches.
5. Give size and material of floor beams of additional stories; 1st tier, x 2d tier, x Distance from centres on tier, inches; tier inches.
6. How will the building be occupied?

IF TO BE EXTENDED ON ANY SIDE, GIVE THE FOLLOWING INFORMATION.

1. Size of extension, No. feet front,; feet rear,; feet deep,; No. of stories in height,; No. of feet in height,
2. What will be the material of foundation walls of extension? What will be the depth? feet. What will be the thickness? inches.
3. Will foundation be laid on earth, sand, rock, timber or piles?

IF TO BE EXTENDED ON ANY SIDE GIVE THE FOLLOWING INFORMATION.

4. What will be the base, stone or concrete?..... If base stones, give size and thickness and how laid,..... If concrete, give thickness,.....
5. What will be the sizes of piers?..... What will be the sizes of the base of piers?.....
6. What will be the thickness of upper walls? 1st story,..... inches ; 2d story..... inches ; 3d story,..... inches ; 4th story,..... inches ; 5th story,..... inches ; 6th story,..... inches ; 7th story,..... inches ; from thence to top,..... inches ; and of what materials to be constructed,.....
7. State whether independent or party-walls. If party-walls give thickness thereof.....
8. With what material will walls be coped?.....
9. What will be the materials of front?..... If of stone, what kind?.....
Give thickness of front ashlar..... Give thickness of backing.....
10. Will the roof be flat, peaked or mansard?.....
11. What will be the materials of roofing?.....
12. Give size and material of floor beams, 1st tier,..... x..... ; 2d tier,..... x..... ; 3d tier,..... x..... ; 4th tier,..... x..... ; 5th tier,..... x..... ; 6th tier,..... x..... ; 7th tier,..... x..... ; roof tier,..... x..... State distance from centres on 1st tier,..... inches ; 2d tier,..... inches ; 3d tier,..... inches ; 4th tier,..... inches ; 5th tier,..... inches ; 6th tier,..... inches ; 7th tier,..... inches ; roof tier,..... inches
13. If floors are to be supported by columns and girders, give the following information : Size and material of girders under 1st floor,....., x..... under each of the upper floors,.....
..... Size and material of columns under first floor,.....
..... under each of the upper floors,.....
14. If the front, rear or side walls are to be supported, in whole or in part, by iron girders or lintels, give definite particulars,.....
.....
.....
15. If girders are to be supported by brick piers and columns, state the size of piers and columns.
.....
16. How will the extension be connected with present or main building?
.....
17. How will the extension be occupied? If for dwelling purposes, state how many families are to occupy each floor.....
18. State who will superintend the alterations.....

IF ALTERED INTERNALLY, GIVE DEFINITE PARTICULARS AND STATE HOW THE BUILDING WILL BE OCCUPIED:

First Story hall partitions to be altered as shown on plans.
Building will be occupied by 2 Stores and 6 families.

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:

First Story front wall to be taken out and have two 10" wrought iron beams 27/2 lbs p. yard with cast iron separator between, beams to be supported by one 12" x 12" and one 16" x 12" cast iron posts of 1" thick casting, all iron work to be tested before set, have 12" high granite blocks under iron posts, built up brick piers with blue stone binders and double bay stones as shown on plans. Have Plate glass store fronts, windows to project 12" beyond building line.

Owner Elias Jacobs Address 57 E. 80 Street
 Architect Kurtz & Roche Address cor. 3rd Ave + 7 Street
 Mason _____ Address _____
 Carpenter _____ Address _____

REPORT UPON APPLICATION.

BUREAU OF INSPECTION OF BUILDINGS,

NEW YORK, September 14 1891

To the Superintendent of Buildings:

I respectfully report that I have thoroughly examined and measured the building, walls, etc., named in the foregoing application, and found the foundation wall to be built of Stone & Brick 20"-24" inches thick, 9 feet below curb, the upper wall built of Brick 12 inches thick, 76 feet deep. 50 feet in height, and that the mortar in said wall is _____ hard and good, and that all the walls are _____ in good and safe condition.

What is the nature of the ground? Hard

What kind of sand was used in the mortar? Good

How is or was the building occupied? as a dwelling

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

The " " state the thickness of each wall in each and every story.)

Additional fire escape balcony required on 5th floor east front

August Perrotti Inspector.

THE BUILDING LAW REQUIRES:

- 1st—All stone walls must be properly bonded.
- 2d—All skylights having a superficial area of more than 9 square feet must be of iron and glass.
- 3d—All buildings over two stories or above 25 feet in height, *except dwellings, school houses, and churches,* on streets less than 30 feet wide, must have iron shutters on every window and opening above the 1st story. The front windows on streets over 30 feet wide are exempted.
- 4th—Outside fire escapes are required on all dwelling houses over two stories in height, occupied or built to be occupied by two or more families on any floor above the first, and on dwellings more than four stories in height, occupied by three or more families above the first floor, and on office buildings, hotels and lodging houses, factories, mills, workshops, hospitals, asylums and schools, all to be constructed as follows:

BALCONIES MUST NOT BE LESS THAN THREE FEET WIDE.

BRACKETS must not be less than $\frac{1}{2} \times 1\frac{3}{4}$ inches wrought iron, placed edgewise, or $1\frac{1}{4}$ inch angle iron $\frac{1}{4}$ inch thick, well braced, and not more than three feet apart, and the braces to brackets must be not less than $\frac{3}{4}$ 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 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 $1\frac{1}{4}$ inch \times $\frac{1}{2}$ inch wrought iron or $1\frac{1}{4}$ inch angle iron $\frac{1}{4}$ inch thick, 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 rail shall be connected at angles by the use of cast iron.

BOTTOM RAILS.—Bottom rails must be $1\frac{1}{4}$ inch \times $\frac{3}{8}$ inch wrought iron or $1\frac{1}{4}$ inch angle iron $\frac{1}{4}$ inch thick, 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 $\frac{1}{4} \times 3\frac{1}{4}$ inch wrought iron sides or strings. Steps may be of cast iron of the same width of strings, or $\frac{5}{8}$ 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 $1\frac{1}{2} \times 3\frac{3}{4}$ inch slats placed not over $1\frac{1}{4}$ inches apart, and secured to iron battens $1\frac{1}{2} \times 3\frac{3}{4}$ 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 35 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 $1\frac{1}{2} \times 3\frac{3}{8}$ inch sides and $\frac{5}{8}$ 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 terra cotta. If coped with stone, the stone must not be less than $2\frac{1}{2}$ inches thick; and if with terra cotta, the terra cotta must be made with proper lap joints.

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

7th—All cornices must be fire-proof.

8th—All FURNACE FLUES OF DWELLING HOUSES shall have at least eight inch walls on each side. No furnace flues shall be of less size than eight inches square, or four inches wide and sixteen inches long, inside measure. 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 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, intended to support a wall, shall be used for that purpose, *until tested and approved* as provided by law.

Original

Fire Department City of New York.

Bureau of Inspection of Buildings.

Detailed Statement of Specification

FOR
ALTERATIONS TO BUILDINGS.

No. 1643 Submitted Sep 12 1891

LOCATION.

438 East 9th Street

Owner Elias Jacobs

Architect Hurtzer & Rohle

Builder Bornstiel

Received by Bornstiel Sept. 14th 1891

Returned by - 15th 1891

Report favorable.

FINAL REPORT.

New York November 1891

To the Superintendent of Buildings:

Work was commenced on the within described building on the 3 day of October 1891 and completed on the 18 day of November 1891, and has been done in accordance with the foregoing detailed statement, except as noted below.

Aug. Bornstiel
Inspector.

REMARKS:

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Referred to Inspector 9 days

Returned December 2nd 1891

August Bornstiel
Inspector.

Drawings inside, Sept 16 1891

New York, Sept 16 1891
This is to certify that I have examined the within detailed statement, together with the copy of the plans relating thereto, and find the same to be in accordance with the provisions of the laws relating to Buildings in the city of New York; that the same has been approved, and entered in the records of this Bureau.

J. P. Brady
Superintendent of Buildings.

September 24th 91.
Amended. Fire escape for 1 1/2 story will be provided
Hurtzer & Rohle
Archts.

Approved
J. P. Brady
Sept 24th 1891
Sup. of Bldg

Sept 15th Steam-pan of internal ventilation and see Inspector's report as to gas chimney.