

D 165 L 60 227 E 4 ST

HOUSE NO. AND STREET

HOUSE NO. AND STREET

HOUSE NO. AND STREET

9 ST E 225-7

V 4814-15E

V 4451-57E NB 1682-91\*

ALT 1037-94

BN 3156-64E

SA 291-99  
DP 510-01  
DP 105-03

APPLICATIONS

KIND	NO.	YEAR	FILED	COMPLETED	DRAWINGS
<i>Def.</i>	<i>511</i>	<i>1901</i>	<i>See lot 39</i>		
<i>Alt.</i>	<i>1477</i>	<i>1914</i>	<i>11 " 37-39</i>		
<i>P&amp;D</i>	<i>1012</i>	<i>1914</i>	<i>11 " 37-39</i>		
<i>Elev</i>	<i>83</i>	<i>1915</i>	<i>11 " 37-39</i>		
<i>Elev</i>	<i>149</i>	<i>1915</i>	<i>11 " 37-39</i>		

10

11

**B 465**

# Department of Buildings of The City of New York.

Applicant must indicate the Building Line or Lines clearly and distinctly on the drawings.

*Plans 60*

**L**

**THOMAS J. BODDY,**  
President of the Board of Buildings and  
Commissioner of Buildings for the Bor-  
oughs of Manhattan and The Bronx.

Office, No. 220 Broadway, cor. 18th Street,  
Borough of Manhattan.

**JOHN GUILFOYLE,**  
Commissioner of Buildings for  
the Borough of Brooklyn.

Office, Borough Hall, Borough of Brooklyn.

**DANIEL CAMPBELL,**  
Commissioner of Buildings for the Bor-  
oughs of Queens and Richmond.

Office, Richmond Building, New Brighton, Staten Island,  
Borough of Richmond.

Branch Office, Town Hall, Jamaica, Long Island,  
Borough of Queens.

Plan No. **60**

## APPLICATION TO ALTER, REPAIR, ETC.

**30**

Application is hereby made to the Commissioner of Buildings of The City of New York, for the Borough of Manhattan The Bronx for the approval of the detailed statement of the specifications and plans herewith submitted, for the alteration or repair of the building herein described. All provisions of the Building Code shall be complied with in the alteration or repair of said building, whether specified herein or not.

(Sign here) Rolland Skinner

THE CITY OF NEW YORK,

BOROUGH OF Manhattan March 19 1901

### LOCATION AND DESCRIPTION OF PRESENT BUILDING.

- State how many buildings to be altered... One
- What is the exact location thereof? (State on what street or avenue; the side thereof, the number of feet from the nearest street or avenue, and the name thereof). South Side Stuyvesant St. 98' East from intersection of 9th Stuyvesant Street
- How was the building occupied? School  
How is the building to be occupied? School
- Is the building on front or rear of lot? Front Is there any other building on the lot? no  
If so, state size: \_\_\_\_\_ feet front; \_\_\_\_\_ feet rear; \_\_\_\_\_ feet deep; \_\_\_\_\_ stories high. How occupied? \_\_\_\_\_
- Size of lot? 49-10 1/4 feet front; 50-0 feet rear; irregular feet deep.
- Size of building which it is proposed to alter or repair? 49-10 1/4 feet front; 49-10 1/4 feet rear; irregular feet deep. Number of stories in height? 5 Height from curb level to highest point? 75 feet
- Depth of foundation walls below curb level? 15 feet Material of foundation walls? brick  
Thickness of foundation walls? front 28 inches; rear 20 inches; side 28 inches; party \_\_\_\_\_ inches.
- Material of upper walls? brick If ashlar, give kind and thickness \_\_\_\_\_
- Thickness of upper walls:  
Basement: front 28 inches; rear 20 inches; side 28 inches; party \_\_\_\_\_ inches.  
1st story: " 24 " " 16 " " 24 " " \_\_\_\_\_ "  
2d story: " 24 " " 16 " " 24 " " \_\_\_\_\_ "  
3d story: " 20 " " 17 " " 24 " " \_\_\_\_\_ "  
4th story: " 20 " " 17 " " 16 " " \_\_\_\_\_ "  
5th story: " 20 " " 17 " " 16 " " \_\_\_\_\_ "  
6th story: " \_\_\_\_\_ " " \_\_\_\_\_ " " \_\_\_\_\_ " " \_\_\_\_\_ "
- Is roof flat, peak or mansard? Flat

11. Size of present extension, if any? 50'-0" feet front; 30 feet deep; 50'-0" feet high.
12. Thickness and material of foundation walls? 24" stone in cement mortar
13. Material of upper walls? brick If ashlar, give kind and thickness
14. Thickness of upper walls:  
 Basement: front 28 inches; rear 16 inches; side 24 inches; party \_\_\_\_\_ inches.  
 1st story: " 20 " " 17 " " 17 " " " "  
 2d story: " 16 " " 17 " " 17 " " " "  
 3d story: " 16 " " 17 " " 17 " " " "  
 4th story: " 16 " " 17 " " 17 " " " "
15. Is present building provided with a fire escape? Yes.

If to be extended on any side, give the following information:

16. ~~Is extension to be on side, front or rear?~~ rear, fronting on West St.
17. Size of proposed extension, feet front 50; feet rear 50; feet deep 30 and 42; number of stories in height? 6 number of feet in height? 8.7
18. Material of foundation walls? Stone for side walls, brick piers 14 feet depth for piers, 17 feet; material of base course Concrete for side, grout for piers; thickness of base course 12" concrete; thickness of foundation walls, front 38 inches; side 24 inches; rear 20 and 16 inches; party \_\_\_\_\_ inches.
19. Will foundation be on rock, sand, earth or piles? Earth
20. What will be the size of piers in cellar? 7-0, 3-8, 4-8 x 3-2; distance on centres? see plan of front wall. size of base of piers? see footing plan; thickness of cap stones? no cap stones; of bond stones? no bond stones
21. Material of upper walls? brick; material of front? brick
22. Thickness, exclusive of ashlar, of upper walls:  
 1st story: front 28 inches; rear 17 inches; side 16 inches; party \_\_\_\_\_ inches.  
 2d story: " 24 " " 17 " " 16 " " " "  
 3d story: " 24 " " 17 " " 16 " " " "  
 4th story: " 20 " " 17 " " 17 " " " "  
 5th story: " 20 " " 17 " " 17 " " " "  
 6th story: " 16 " " 17 " " 17 " " " "
23. With what will walls be coped? Terra Cotta Tile
24. Will roof be flat, peak, or mansard? Flat.
25. Materials of roofing? Asphalt.
26. Give size and material of floor and roof beams  
 1st tier, material steel; size 15" x 42 lbs; distance on centres 4 ft  
 2d tier, " " " " " "  
 3d tier, " " " " " "  
 4th tier, " " " " " "  
 5th tier, " " " " " "  
 Roof tier, " 6" x 4" joists; size 15" x 50 lbs; distance on centres 15" x 42 lbs / 10" x 25 lbs
27. Give material of girders \_\_\_\_\_ of columns \_\_\_\_\_  
 Size of girders, 1st tier \_\_\_\_\_; size of columns, 1st floor \_\_\_\_\_  
 " " 2d " \_\_\_\_\_ " " 2d " \_\_\_\_\_  
 " " 3d " \_\_\_\_\_ " " 3d " \_\_\_\_\_  
 " " 4th " \_\_\_\_\_ " " 4th " \_\_\_\_\_  
 " " 5th " \_\_\_\_\_ " " 5th " \_\_\_\_\_  
 " " roof " \_\_\_\_\_ " " 6th " \_\_\_\_\_

# Department of Buildings of The City of New York.

PLAN No. 511 Att. of 1907.

State and City of New York, }  
County of \_\_\_\_\_ } ss.:

~~Joseph S. Spuraw~~ of ~~Podard Steiman~~  
*has office*

being duly sworn, deposes and says: That he resides at Number 19 Union Square

\_\_\_\_\_ in the Borough of Manhattan

in The City of New York, in the County of New York,

in the State of New York, that ~~he is~~ Architects for the

recreation to the Hebrew Technical Institute,

who are the

owner in fee of all that certain lot, piece or parcel of land, shown on the diagram annexed hereto and

made a part hereof, situate, lying and being in the Borough of Manhattan

in The City of New York, aforesaid, and known and designated as Number 34 & 36 Stuyvesant St.

running through including 227 & 229 E. 9<sup>th</sup> St., and hereinafter more particularly described;

that the work proposed to be done upon the said premises, in accordance with the accompanying

detailed statement in writing of the specifications and plans of such proposed work, to wit: Plan

No. \_\_\_\_\_ of 190 \_\_\_\_\_, is duly authorized to be performed by

The Hebrew Technical Institute (Joseph B. Blumenthal President)

and that Podard Steiman Architects are

duly authorized by The Hebrew Technical Institute

to make application in compliance with Chapter 378 of the Laws of 1897, and the Building Code, for

the approval of such detailed statement of specifications and plans in their

behalf.

Deponent further says that the full names and residences, street and number, of the owner or owners of the said land, and also of every person interested in said building or proposed building, structure, or proposed structure, premises, wall, platform, staging or flooring, either as owner, lessee, or in any representative capacity, are as follows:

Hebrew Technical Institute No. 34 & 36 Stuyvesant St.  
as Owner

Podard Steiman No. 19 Union Square  
as Architects

No. \_\_\_\_\_  
as \_\_\_\_\_

No. \_\_\_\_\_  
as \_\_\_\_\_

No. \_\_\_\_\_  
as \_\_\_\_\_

No. \_\_\_\_\_  
as \_\_\_\_\_

The said land and premises above referred to, are situate at, bounded and described as follows,

viz.:

BEGINNING at a point on the South Side side of Stuyvesant St., distant 98-1" feet eastly from the corner formed by the intersection of Stuyvesant and 9<sup>th</sup> Street running thence south by 40-0" thence north westerly to 9<sup>th</sup> St 39-9" feet; thence eastly along 9<sup>th</sup> St 50-0" feet; thence north easterly perpendicular to 9<sup>th</sup> St 54-4" thence northly to Stuyvesant 53-6" feet; thence westerly along Stuyvesant St. 49-10 1/4' feet to the point or place of beginning.

Sworn to before me, this 19. day of March 1901

Jos L. Heniam

Philip M. Kelley  
Notary Public, \_\_\_\_\_ County.  
Commission Expires  
May 1st 1901

5-7-11  
1.21.01  
Form No. 211  
1.15.01  
DEPA

BOROUGH

Detail

ALTE.  
No 5

Amth  
31<sup>st</sup> East  
9<sup>th</sup> St.

Owner

Architect

Builder

Received by

Returned

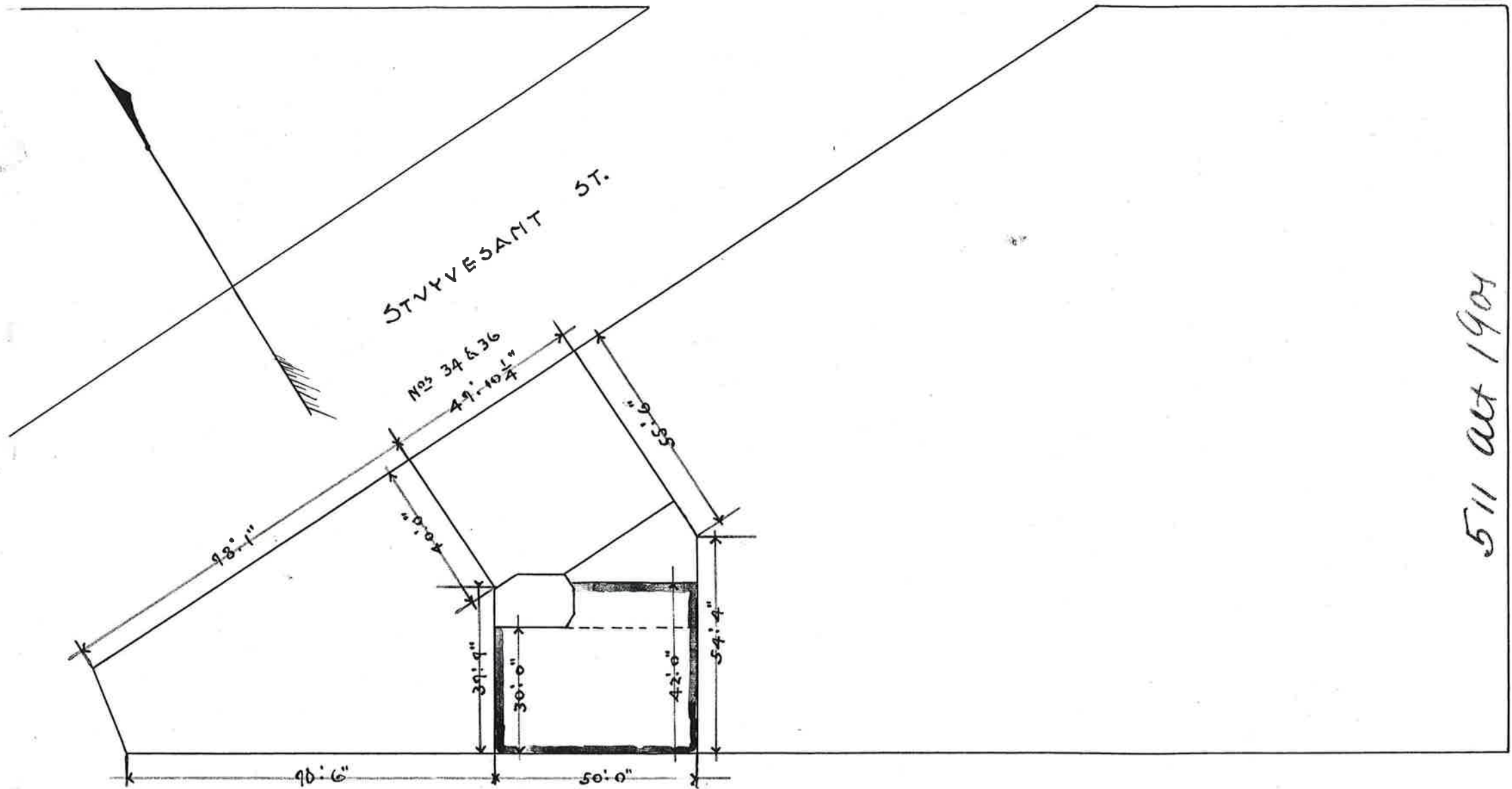
Referred to

576

Returned

4-3-0  
7-15-  
7-28  
8-16  
8-2

TENTH ST.



STUYVESANT ST.

Nos 34 & 36  
49'-10 1/4"

98'-1"

40'-0"

9'-33"

39'-4"

30'-0"

42'-0"

54'-4"

90'-6"

50'-0"

511 Oct 1904

SECOND AVE.

NINTH ST.

DEPARTMENT OF BUILDINGS  
OF THE CITY OF NEW YORK.

Statement of Specifications  
FOR  
PERMITS TO BUILDINGS.

11 Submitted 190

LOCATION.

Side Street  
from intersection of  
Main Street  
New Technical Institute

Poland & Steinman

by 190

Report favorably. 190

Inspector 13

6/24/18 190

190

Inspector.

S. J. ...

1 Affidavit 1 Drawing

THE CITY OF NEW YORK,

BOROUGH OF

4/23 190

This is to certify that the within detailed statement of specifications and a copy of the plans relating thereto, have been submitted to the Commissioner of Buildings for the Borough of and are hereby

Disapproved

Commissioner of Buildings

for the Borough of

Amendment of 190

approved.

New York 190

This is to certify that the within detailed statement of specifications and a copy of the plans relating thereto, have been submitted to the Commissioner of Buildings for the Borough of Manhattan and the Bronx and are hereby

approved,

Commissioner of Buildings for the Boroughs of Manhattan and the Bronx

New York, June 27 190

P. & D. amend't of 11-20 approved

Chief Insp'r Plg & Vent'n

CLASSIFICATION.

School

OK May 4 - 190

P. & D. amend't

6/13 01

Amendment of 6/13 190

approved 6/13

James G. Wall

6/28 01

1-add'l sheet 6/28/01

6/28 01

Amendment 6/28 01

James G. Wall

App'l to Bd of Recdgs 5/1/01

" " " Approved May 1/01

" " " 7/15 01

Amendment 7/15 01

Amendment by Wall 7/15 01

8/14 01

1-add'l sheet 8/14 01

8/14 01

8/14 01

OK

THE CITY OF NEW YORK,

BOROUGH OF Manhattan April 1 1902

To the Supt. ~~Commissioner~~ of Buildings for the Borough of Manhattan

Work was commenced on the within described building on the 8 day of July 1901, and completed on the 24 day of March 1902, and all the iron and steel girders, beams and columns are properly set, and of size as per application, and all the work upon said building has been done in accordance with the foregoing detailed statement, except as noted below.

Respectfully submitted,

[Signature] Inspector.

REMARKS.

[Lined area for remarks]



# BUREAU OF BUILDINGS

## BOROUGH OF MANHATTAN, CITY OF NEW YORK

NOTICE—This Application must be TYPEWRITTEN and filed in TRIPLICATE, and ONE copy sworn to by Applicant. If Elevator or Plumbing Applications are filed herewith, ONE AFFIDAVIT is sufficient for all. Plans must be filed on tracing Linen or Cloth.

ALT. APPLICATION No. 1477 1914

1477  
BUREAU OF BUILDINGS  
BOROUGH OF MANHATTAN  
CITY OF NEW YORK

LOCATION 28-36 Stuyvesant Street - 219-227 East 9th Street (S.E. Corner)

New York City, April 24th, 1914

To THE SUPERINTENDENT OF BUILDINGS:

Application is hereby made for approval of the plans and specifications herewith submitted, and made a part hereof, for the ALTERATION of the building therein described,—with the understanding that if no work is performed within one year from the time of issuance, this approval shall expire by limitation as provided by law; and the applicant agrees to comply with all the rules and regulations of the Bureau of Buildings for the Borough of Manhattan, all provisions of the Building Code of the City of New York, and with every other provision of law relating to this subject in effect at this date.

(Sign here) Applicant for Rouse & Goldstone and Jos. L. Steinam Applicant

When properly signed by the Superintendent of Buildings of the Borough of Manhattan, this application becomes a PERMIT as required by the Building Code of the City of New York, to perform such work as is described in the foregoing statement and the attached plans and specifications which are a part hereof.

EXAMINED AND RECOMMENDED FOR APPROVAL ON June 19 1914  
Superintendent  
Examiner  
APPROVED 6/20 1914  
Superintendent of Buildings, Borough of Manhattan

STATE, COUNTY AND )  
CITY OF NEW YORK ) SS.: Applicant for Rouse & Goldstone and Jos. L. Steinam (Applicant)

being duly sworn, deposes and says: That he resides at Number 38 West 32nd Street  
In the Borough of Manhattan  
in the City of New York, in the County of New York  
in the State of New York, that he is representative of  
William L. Rouse & Lafayette A. Goldstone and Joseph L. Steinam,  
architects for Hebrew Technical Institute, Inc.  
owner in fee of all that certain lot, piece or parcel of land, shown on the diagram annexed hereto and made a part hereof, situate, lying and being in the Borough of Manhattan, City of New York aforesaid, and known and designated as Number 28-36 Stuyvesant Street - 219-227 East 9th Street  
(S.E. Corner)  
and hereinafter more particularly described; that the work proposed to be done upon the said premises, in accordance with the accompanying detailed statement in writing of the specifications and plans of such proposed work, including all amendments to the same which may be filed hereafter—and also all Elevator and Plumbing work

(if any) proposed to be done upon the same premises and specified in separate applications **filed herewith,**  
and all subsequent amendments thereto—is duly authorized by **Hebrew Technical Institute, Inc.**  
[Name of Owner or Lessee]

and that **William L. Rouse & Lafayette A. Goldstone and Joseph L. Steinam** are duly authorized by the aforesaid **Hebrew Technical Institute, Inc.** to make application for the approval of such detailed statement of specifications and plans (and amendments thereto) in its behalf.

Deponent further says that the full names and residences, street and number, of the owner or owners of the said land, and also of every person interested in said building or proposed building, structure or proposed structure, premises, wall, platform, staging or flooring, either as owner, lessee, or in any representative capacity, are as follows:

NAMES AND ADDRESSES

Owner **Hebrew Technical Institute, Inc.** 34 Stuyvesant Street  
**Joseph L. Bottenwieser, president** 34 Stuyvesant Street  
**Mortimer L. Schiff, treasurer** 34 Stuyvesant Street

Representative of Architects - **Alfred A. Tearle - 38 west 32nd Street**  
~~Essex~~  
Architect **William L. Rouse & Lafayette A. Goldstone and Joseph L. Steinam** 38 West 32nd Street  
Superintendent **W. L. Rouse & L. A. Goldstone and Joseph L. Steinam - 38 W. 32nd Street**

The said land and premises above referred to are situate at, bounded and described as follows, viz.: BEGINNING

at a point on the south side of **Stuyvesant Street**  
distant **148'1-1/4"** feet east from the corner formed by the intersection of  
**Stuyvesant Street** and **ninth street**  
running thence **irreg. south 110'0"** feet; thence **west 140'7-1/4"** feet;  
thence **north 24'1-1/4"** feet; thence **east 148'1-1/4"** feet;

to the point or place of beginning,—being designated on the map as Block No. **465** Lot No**37-38-39** and **60**

Sworn to before me, this 24th day of April 1917 } Alfred A. Tearle

George R. Dawson  
Commissioner of deeds by Register #15809

ALTERATION  
PERMIT  
BUREAU OF BUILDINGS  
BOROUGH OF MANHATTAN  
CITY OF NEW YORK

W. L. ROUSE & L. A. GOLDSTONE

ARCHITECTS

38 WEST 32<sup>ND</sup> STREET

JOS. L. STEINAM

NEW YORK December 24th, 1914.

IN RE. ALTERATION APPLICATION 1477/1914  
PREMISES 28-36 Stuyvesant Street-219-27 E. 9th St.

BUREAU OF BUILDINGS  
of the City of New York

Hon. Alfred Ludwig, <sup>Mayor</sup>

Municipal Building City

Received DEC 31 1914

FOR THE BOROUGH  
OF MANHATTAN

Dear Sir:-

On the above building, on the facades, it is our intention to use an imprevius face brick in running bond.

To carry out the design, we do not wish to use any header courses and we request permission to be permitted to use bent-up face brick anchors.

This building is only 6 stories high, has a steel frame and the walls are non-bearing and are 4" thicker in every case than the law requires.

We therefore cannot see any reason why we should not be permitted to use these wall ties.

Your early reply will be appreciated.

Very truly yours,

ROUSE & GOLDSTONE AND STEINAM

Per

*George A. Dawson*

HSL/D.

RR-124-14

V-8177-14

101-1477-14

P-1012-14

*O.K.  
A.L.  
12/30/14*

copy

RECEIVED  
OFFICE OF BUILDINGS  
OF THE CITY OF NEW YORK  
30 B-5-12 (B) 7000  
RECEIVED JUN - 13 1915  
BUREAU OF BUILDINGS  
OF THE CITY OF NEW YORK  
BOROUGH OF MANHATTAN

# BUREAU OF BUILDINGS OF THE CITY OF NEW YORK,

No. Alt. 1477-14 **BOROUGH OF MANHATTAN.**

2149/15 No. 220 **FOURTH AVENUE.**

## Application for the Installation or Alteration of Passenger Elevators or Escalators.

Application is hereby made to the Superintendent of Buildings of The City of New York for the Borough of Manhattan, for permission to install { elevator } in accordance with the following detailed statement, and subject to the regulations printed hereon. ~~{ escalator }~~

1. Premises 33 Styvesant St. N.W. Cor. intersection Styvesant & 9th Sts., *28/36 Styvesant St. 19/27 East 9th St (266) also amended 6/27/15*

2. Name and address of owner Hebrew Technical Institute. Mortimer Schiff sec. Inc. Trustees. JO'S. BUITENWEISER PRES.

3. Name and address of manufacturer Gurney Elevator Co., Treas. Wm. L. O'Connell 33 Styvesant Street 62 West 45th Street. Pres. Howard F. Gurney

4. Number of stories in building 6; occupancy of building School

5. Number of stories B-S/W; and height in feet { elevator } are to run 15'-0" ~~{ escalator }~~

6. Number of { elevators } to be installed ~~{ escalators }~~ One sidewalk freight

7. Size of shaft 3'-2" x 6'-6"

8. Size of car 3'-0" x 5'-6"

9. Type of machine, whether hydraulic, horizontal or vertical; electric, steam, gas or hand, direct-connected or belted Direct connected electric

10. Type of governor safety used \_\_\_\_\_

11. Size of hoist ropes 3/8"

12. Number of hoist ropes 4

13. Size of counterweight ropes \_\_\_\_\_

14. Number of counterweight ropes \_\_\_\_\_

15. Carrying capacity of car 2000#

16. Speed of car 25 F.P.M.

17. Location of the machinery in the building Basement.  
(A sketch plan, showing the location of elevators and machinery in the building, should be attached to this application.)

18. Mode of operation. (Hand-rope, lever, electric switch, button device, hand-wheel) Operating chain & hand rope.

Name Gurney Elevator Company.  
(Sign here either as owner, agent, architect or contractor.)

Address 62 West 45th Street.

Dated June 8th, 1915 *F. Greenleaf*

# Bureau of Buildings, Borough of Manhattan.

No. 220 FOURTH AVENUE.

## REGULATIONS

FOR THE

## CONSTRUCTION, INSPECTION AND OPERATION OF ELEVATORS

1. The term "elevator" as used in these regulations shall include all elevators or lifts used for the carrying of passengers or employees. The term "dumbwaiter" shall include such special form of elevator, the dimensions of which do not exceed nine square feet in horizontal section, and four feet in height, and which is used for the conveyance of small packages and merchandise. So far as practicable, these regulations shall also apply to escalators. Where freight elevators are placed within the same shaft enclosure as passenger elevators, such elevators must conform in all particulars to the regulations for the construction, inspection and operation of passenger elevators. All other freight elevators must comply with sections 3, 4, 6, 7, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21 and 22 of the Regulations for Passenger Elevators. Any hand power elevator having a rise of more than thirty-five feet shall comply with all the requirements of these regulations. No belt elevators driven from a countershaft shall be installed for passenger service.

2. All elevators must be inspected as often as possible by an Inspector of the Bureau of Buildings, known and designated as Inspector of Elevators, in accordance with the rules and regulations of the Bureau prescribing the duties and governing the actions of the employees.

3. Before any elevator shall hereafter be installed or altered in any building, the owner or his agent, architect or contractor shall submit, on appropriate blanks furnished therefor, to the Superintendent of Buildings an application in triplicate stating the construction and mode of operation of such elevator to be installed or altered and shall obtain his approval therefor. This application shall be accompanied by such plans and drawings as may be necessary. Before any such elevator shall be put into service, the same shall have been duly tested and inspected under the supervision of an Inspector of Elevators and a certificate of such inspection issued and a formal approval obtained from the Superintendent of Buildings. In making any changes or alterations to elevator shafts, rails, overhead machinery or power, all the work changed or altered must be made to conform to the present law and regulations.

4. The owner, lessee, manager or other person having charge or control of any elevator now in operation and the manufacturer of any such elevator hereafter placed in any building, shall cause to be fastened in a conspicuous place in said elevator a metal plate, having suitable raised letters on same, which shall designate the number of pounds weight which said elevator shall be permitted to carry, but in no case shall a carrying capacity of less than 75 pounds per square foot of platform area inside the car be permitted on any passenger elevator.

5. Every elevator, except full automatic push button elevators in private dwellings occupied by one family, must be in charge of a competent operator of reliable and industrious habits, not less than eighteen years of age, with at least one month's experience in running an elevator under the instruction of a competent person. In case the Superintendent of Buildings shall become satisfied that the person engaged in running any elevator is incompetent or disqualified from any cause to continue to run the same, the owner or person managing or controlling the elevator shall, upon notice from the Superintendent of Buildings, at once replace the said operator by a competent operator.

6. Elevator shafts and doors of same in non-fireproof buildings must be constructed fireproof and made solid for their full height. Any lights that may be desired in these doors must be provided with wire glass. No one pane of wire glass shall exceed five square feet in area. No more than one opening in the elevator shaft will be allowed on each floor, and all openings in the several stories shall be one above the other, unless the elevator is used exclusively for freight purposes, except that where the operating device of the elevator is so placed that the operator can readily control all doors without leaving the car control, more than one opening will be permitted on a floor.

7. In all cases where the law or regulations permit grille work enclosing the shaft or car, it shall be of substantial material and construction, properly braced and carried the full height of openings, and there shall not be more than one and one-half inch space between any two members of said grille work except where plain straight bars are used, not filled in with scroll, when there shall not be more than one inch space between members.

8. All doors or gates leading to any elevator shaft shall be locked or bolted on the shaft side so as to be opened only by the operator of the car, and said shaft doors or gates and car gates shall be closed before the car is put in motion.

9. All entrances to elevator cars must be provided with substantial folding or sliding gates or doors, and where floor tracks are used the same must be countersunk. All folding gates over three feet wide at entrance to shaft or car shall have top and bottom centre braces.

10. All counterweights shall have their sections strongly bolted together. There shall not be less than three feet clearance between the top of counterweights and the underside of overhead beams when the car is resting on the bumpers. No continuous forged straps shall be permitted on counterweights.

11. Where counterweights run in the same shaft as the car they must be protected with a substantial screen of iron from the top of rail to a point fifteen feet below, except where the plunger or traction type of elevator is used.

12. All elevators, except direct plunger elevators and freight elevators having a rise of fifteen feet or less, shall have a governor or

speed regulator properly connected to the safety devices on the car, in such a manner that the car will be brought to rest with an easy and gradual stop, or in a distance not greater than eight feet for a speed of seven hundred feet per minute, except that on elevators having a speed of 100 feet per minute or less safeties of the instantaneous type may be used. Every elevator operating on alternating current electricity shall be equipped with an electro mechanical brake, or some such device as will insure the brake being applied at any time should the current be interrupted from the service. All electric car controlling devices shall be self-centering and self-locking in inoperative position. All hoisting machines of the drum type shall have an automatic slack cable device that will stop the machine if the hoist or drum weight cables shall become slack from any cause. All elevators shall have upper and lower limit devices on the machine or in the shaft. No elevator shall be used for the carrying of safes or other material of a greater weight than the normal lifting power of such elevator, unless the car is equipped with a locking device which will hold it fixed at any landing independent of the rope while such safe or other material is being loaded or unloaded.

13. The car of all elevators must be constructed of incombustible materials, except that interior trim and flooring may be of hardwood. There shall be not more than one and one-quarter inches space between the floor of the car and the floor saddles, and where the saddles project into the shaft the same shall be properly beveled on the underside. The underside of the car must be of incombustible materials. Cars for all elevators shall be properly lighted.

14. All guide rails for both car and counterweights shall be of iron or steel, and shall be fastened to the sides of the shaft with wrought or cast-iron brackets, so spaced that the guide rails will be rigid.

15. There shall be not less than two cables independently connected to the car and to each set of counterweights. The lifting and weight cables shall have at least one full turn of the cable on the drum when they have reached the limit of travel. Such cables shall be of a diameter to insure a factor of safety of five. All cables used in the operation of elevators shall be of steel, iron or "Marlin" covered. Where overhead machines are installed the use of equalizer arms will be permitted on the car and counterweights.

16. No elevator shall be permitted to have attached above, below or on the inside of the car a freight compartment of similar device.

17. Immediately under the sheaves at the top of every elevator shaft in any building there shall be provided and placed a substantial grating of iron or steel having not more than one and one-half inch space between any two members of said grating, and of such construction as shall be approved by the Bureau of Buildings.

18. A clear space of not less than three feet must be provided between the bottom of the shaft and the lowest point of the underside of the car floor when the car is at its lowest landing, and between the top of the crosshead of the car and the underside of the overhead grating when the car is at its top landing, provided that for elevators of greater speed than 350 feet per minute, the distance between the top of the crosshead of the car and the underside of the overhead grating, when the car is at its top landing, shall be not less than five feet, except in the case of elevators where the rise does not exceed thirty feet and the speed of the elevator is not more than one hundred feet per minute, such clear space at the top of the shaft shall be not less than two feet between the top of the car and the underside of the overhead grating when the car is at its top landing.

19. All parts of the elevator machinery must be properly enclosed by suitable partitions of incombustible materials, and such inclosures must be lighted. Free and safe access must be provided to all parts of elevator machinery. Where the machine is located at the bottom of the shaft the same shall be protected with a substantial pit pan.

20. The speed of all elevators must not exceed five hundred feet per minute, except that express elevators may run seven hundred feet per minute for that portion of the shaft in which no intermediate stops are made. Express elevators shall mean only such elevators as run eighty feet or more without stop. The speed of mechanically controlled electric elevators must not exceed one hundred and fifty feet per minute.

21. At the bottom of all elevator shafts there shall be placed substantial buffer springs for car and counterweights. Where the car does not travel to the bottom of the shaft the bumper beams shall be supported independent of the car rails. All plunger or traction type of elevators shall be provided with substantial oil buffers at the bottom of the shaft for both car and counterweights.

22. The carrying beams for all machinery shall be of wrought iron or steel.

23. Every passenger elevator shall have a trap door in the top of the car of such a size as to afford easy egress for passengers, or where two cars are in the same shaft such means of egress may be provided in the side of each car.

24. Any infraction of these regulations or failure to comply with their provisions after due notice from the Superintendent of Buildings shall be treated the same as a violation of the Building Code, and shall subject the owner to the same penalties as prescribed in section 150 of the Building Code for such violation.