#### **APPENDIX I**

#### **Building Fire Protection Plan**

St. Francis College leases 179 Livingston Street, Brooklyn, New York Floors 5, 6 and 7 and has collaborated with the building responsible on the site Fire Protection Plan approved by the New York Fire Department. Following is the approved plan prepared by Perkins-Eastman for this site including evacuation routes and plan, floor plans with identified safety equipment and exits, and building fire and life safety systems:

#### The following

- o Individual Floor Fire Alarm Staging Areas and Evacuation Diagrams
- o Fire Protection Plan Narrative (1-16)
- Building Card Floor Diagrams with Evacuation Routes and Floor Plans (1-27)
- o Building Diagrams (1-3)

ADMISSIONS AND FINANCIAL AID

AUDITORIUM

CENTER FOR CAREER EXPLORATION

CHAPEL AND INTERFAITH

DINING HALL

IT SERVICE DESK

LIBRARY

MULTI-PURPOSE ROOM

TERRACE







Exit Stairwells







Student Support Centers and Services

Student Collaboration, Study, and Social Spaces

Classrooms, Labs, and Academic Spaces

CAMPUS LIFE & SGA

CENTERS FOR STUDENT SUPPORT AND DEVELOPMENT

FACULTY LOUNGE

FINANCE

HUMAN RESOURCES

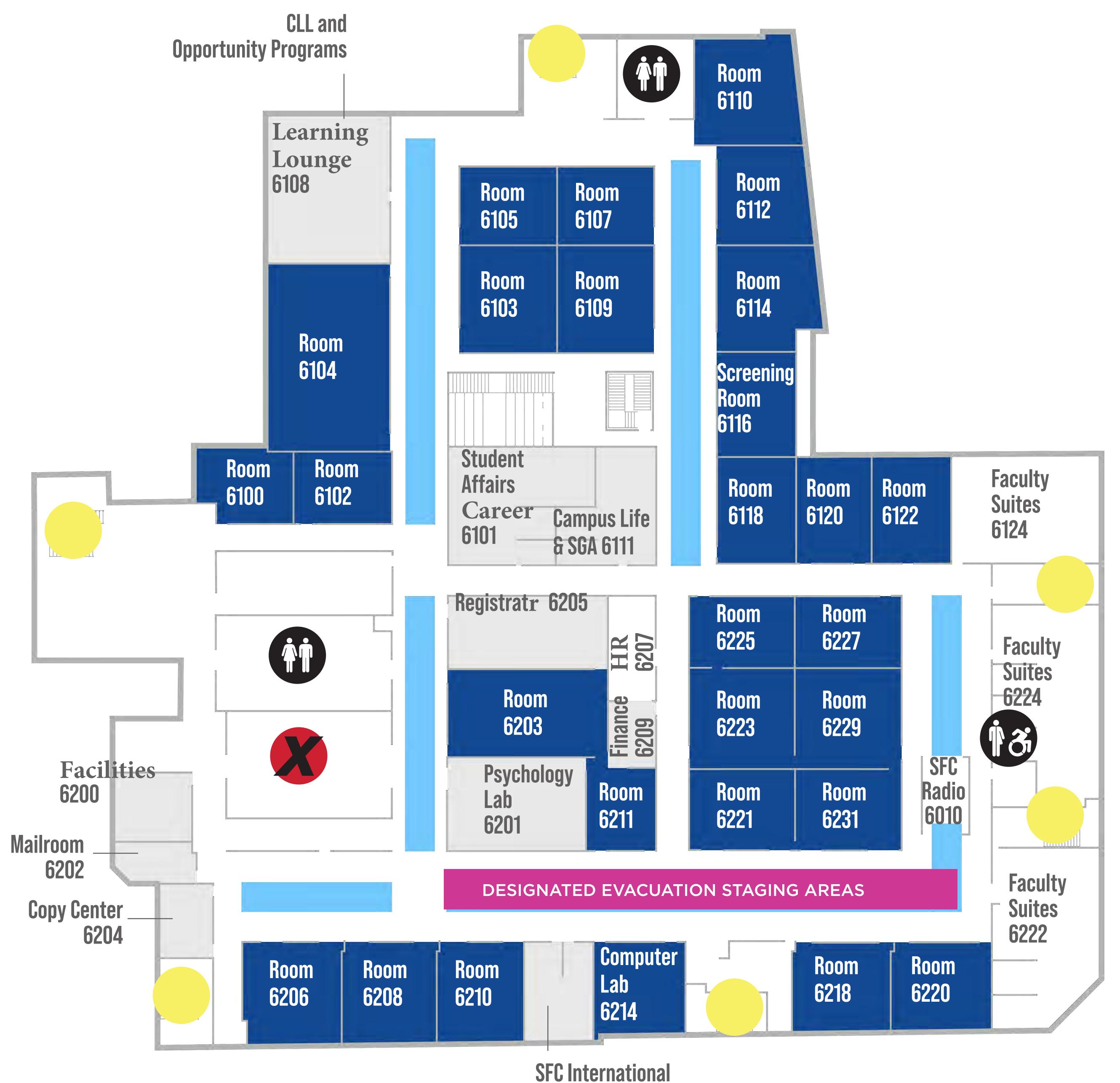
MAILROOM/COPY CENTER

REGISTRATION AND STUDENT ACCOUNTS

SFC INTERNATIONAL

SFC RADIO

STUDENT AFFAIRS





VEV

Exit Stairwells

Elevator

Restrooms

Stairs

Student Support Centers and Services

Student Collaboration, Study, and Social Spaces

Classrooms, Labs, and Academic Spaces

SFC Internation 6212

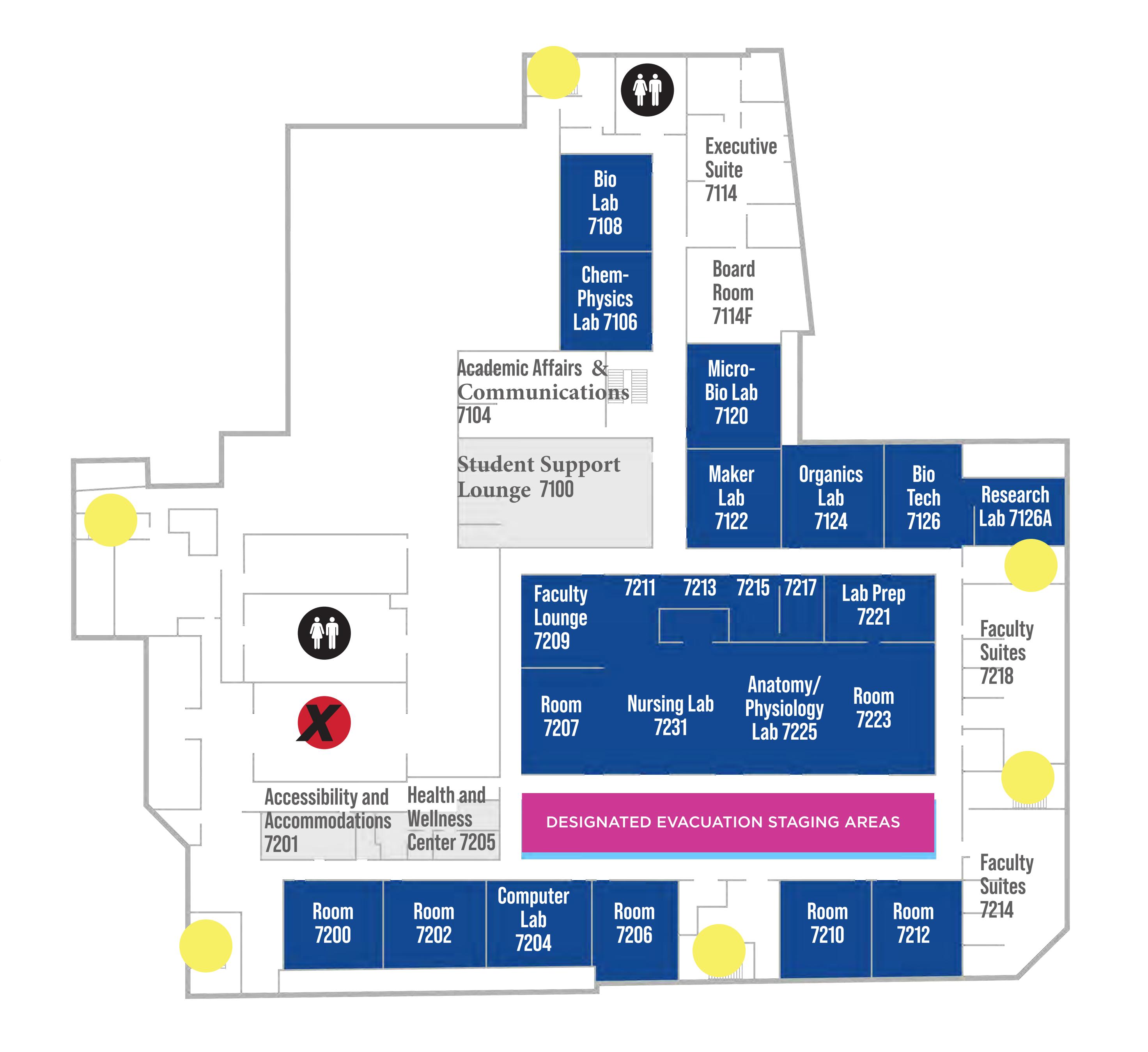
ACADEMIC AFFAIRS

ACCESSIBILITY AND ACCOMMODATIONS

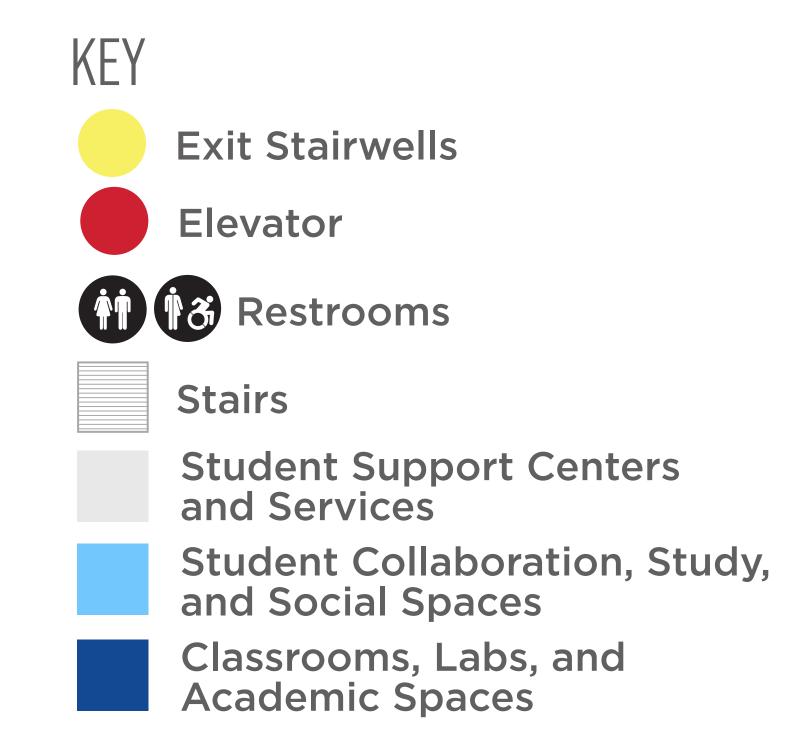
CENTER FOR STUDENT SUCCESS

EXECUTIVE SUITE

HEALTH AND
WELLNESS CENTER









422 Fulton Street Brooklyn, NY 11201

#### **Owner**

Business Use: 422 Fulton Owner, L.L.C. 45 Rockefellar Plaza New York, NY 10111

#### Mercantile Use:

422 Fulton Condominium Macy's Retail Holdings, Inc. 7 West Seventh Street Cincinnati, OH 45202



#### **Architect:**

Business Use (Core and Shell)
Perkins Eastman
115 Fifth Avenue
New York, NY 10003

#### Mercantile Use:

Highland Associates One East 33rd Street New York, NY 10016

#### **MEPFP Engineer:**

Business Use (Core and Shell) Cosentini 498 Seventh Avenue New York, NY 10018

#### Mercantile Use:

Highland Associates One East 33<sup>rd</sup> Street New York, NY 10016

#### **Expeditor for Fire Protection Plan:**

Jerome S Gillman Consulting 40 Worth Street, Room 600 New York, NY 10013 Date: July 27, 2022



#### 1. Project Introduction

## 1.1 Existing Building Renovation / Addition and Change of Use

The project is partial gut renovation and vertical enlargement of an existing building at 422 Fulton Street.

#### **Existing Building:**

Existing building is a Macy's Department Store, with Mercantile occupancy.

#### Existing building size:

- Approximate height: 208'-3"to highest roof
- Floors above grade: (9), plus (3) Penthouse levels and (1)
   Mezzanine
- Floors below grade: (3) plus (1) Mezzanine

#### **Building after renovation and enlargement:**

Macy's (Mercantile use) will remain in the building, occupying Sub-Cellar 2 through 4<sup>th</sup> Floor, with exceptions as noted. Macy's will maintain the 422 Fulton Street address. **This portion will be referred to as "Mercantile Use" in this narrative**.

Business use for Offices and Higher Education is a new occupancy type in the building, occupying 5th Floor to 14/F and Penthouse 1 to 3. It partially occupies 1/F, Cellar Mezzanine and Sub-Cellar 1. Two street level entrances leading to new dedicated lobbies and building core will be at 179 (Business - Higher Education) and 181 Livingston Street (Business - Office. The two lobbies are connected by doors. This portion will be referred to as "Business Use" in this narrative.

#### New building size:

- Approximate height: 276'-6" to highest roof
- Floors above grade: (15), plus (2) Penthouse levels and (1)
   Mezzanine
- Floors below grade: No change.

## 1.2 Building condo ownership

Building is divided into (10) Tax Lots - 1201 to 1210:

- Mercantile Use: Consists of Tax Lot 1201, owned by Macy's Retail Holdings
- Business Use: Consists of Tax Lots 1202 and 1210, owned by 422 Fulton Owner, LLC.

These plans have been submitted and accepted by the Fire Department Date of acceptance:

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## PERKINS –

#### 1.3 **Building Cores and** Services

Business and Mercantile Use has separated elevators, and mostly separated services. Partial services and most egress stairs are shared by both,

#### Egress stairs:

- (6) set of egress stairs are shared (Stairs A, B, D, E, G and I)
- Stair K is exclusive to Business Use.
- Stair J is exclusive to Mercantile Use. Note there is a door on Cellar Mezzanine floor from the neighbor at 420 Fulton Street for egress easement.
- Some shared stairs do not reach the upper and lower belowgrade floors.
- Stairs shafts are not pressurized

#### Elevators:

- Business Use has (3) elevator banks: A, B and C. A nd B are Passenger Elevator banks. C is Service Elevator bank, which is also the Fire Access Elevator for the Business Use portion.
- Lobby of 181 Livingston open into Bank A. Lobby of 179 Livingston open into Bank B. Banks A and B are linked with doors. Both lobbies can access Bank C.
- Bank A serves the Offices and stops are Floors 7 to 14. Two elevators in this bank go up to PH1.
- Bank B serves Higher Education, and stops are Floors 1, 5, 6 and 7
- Bank C serve both Offices and Higher Education. Stops are Sub-Cellar 1, Cellar Mezzanine, 1, 7-14 and PH1.
- Mercantile Use has (2) elevator banks: D and E. Both banks have front and/or rear entrances on selective floors, and it varies by floors.
- Some elevators punch through each other's floors as shafts. In those shafts for the Business Use elevators, doors are provided at selective floors to address blind shaft requirements.

#### 2. Project Description

**2.1** Address: Project Address (DOB filing):

422 Fulton Street Brooklyn, NY 11201

**Entrances for Mercantile Use:** 

Entrance on 422 Fulton Street, with additional entrances along Hoyt Street and Livingston Street. There is a loading dock entrance on Gallatin Place for

Mercantile Use through neighbor easement.

Entrances for Business Use (Office and Higher Education):

179 and 181 Livingston Street,

Brooklyn, NY 11201

179 is lobby to Higher Education use and 181 is lobby to Office use.

2.2 Block / Lot Number: Block 156, Lot 1201 to 1210

2.3 Zoning: Per ZR 101-04 and Zoning Map 16c

■ C5-4

DB (Downtown Brooklyn Special District)

Fulton Mall Sub-district (Partial, within 100 feet of Fulton Street)

2.4 Permissible Uses

Proposed uses:

Office and Higher Education: Use Group 6B

Use Groups 1 through 6, plus 9, 10 and 11 (per ZR 32-10)

Department Store: Use Group 10A

2.5 Flood Zone Site does not lie within a Flood Hazard Area as designated by the Federal

Emergency Management Agency Flood Insurance Rate Maps.

Community: City of New York.

Map Number: 3604970203G, dated December 5, 2013 Map Number: 3604970203F, dated September 5, 2007

**2.6** Streets: Site is bound by the following paved streets, owned and maintained by the City

of New York:

North: Fulton Street (wide street)
 East: Hoyt Street (narrow street)
 South: Livingston Street (wide street)
 West: Gallatin Place (narrow street)

**2.7 Size:** Lot Area = 76, 094 sf

Gross building area = 985, 431 sf approximately

422 Fulton Street, Brooklyn, NY 11201

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## 2.8 Number of stories:

Above grade - (15), plus (2) mechanical penthouse levels and (1) mezzanine Below grade - (3), plus (2) mezzanines

Within the Mercantile Use areas, there are selective rooms with mezzanines.

## 2.9 Building height

Top of highest occupied floor (PH1) is approximately 256'-6" above average curb height.

Top of highest mechanical floor (PH3) is approximately 241'-6" above average curb height.

## 2.10 Occupancy Groups

**Dominant Building Occupancy Groups:** 

- E Business (2014 Group B)
- C Mercantile (2014 Group M)

Other occupancy groups:

- B-1 Storage (2014 Group S-1), Moderate hazard
- B-2 = Storage (2014 Group S-2), Low hazard
- D-2 Industrial (2014 Group F-2), Low hazard
- F-1b Assembly (2014 Group A-1), Performance
- F-3 Assembly (2014 Group A-3), Exercise
- F-4 Assembly (2014 Group A-2), Food consumption

## 2.11 Construction Classification

I-C (Per Table 3-2, 1968 BCNYC)

## 2.12 Applicable Building Code:

- 1968 Building Code of the City of New York
   With exceptions per 2014 New York City Construction Codes
   (Per §28-101.4.3 Optional Use of the 1968 Building Code for work on prior code buildings):
  - 1. Fuel gas, plumbing and mechanical work. (2014 FGC, 2014 PC and 2014 MC)
  - 2. Fire protection systems (2014 BC Ch.9)
  - 3. Elevators, conveyors and amusement rides (2014 BC Ch.30 and Appendix K)
  - 4. Safety during construction operations (2014 BC Ch.33)
  - 5. Accessibility (2014 BC Ch.11)
  - 6. Encroachments into the public right of way (2014 BC Ch.32)
  - 7. Administration and enforcement (2014 General Administrative Provisions Ch.1)
  - 8. Special inspections (2014 BC Ch.17)
  - 9. Materials (2014 BC Ch.19-26)
  - 10. Security grilles (2014 BC Section 1008.1.4.5)
  - 11. Energy efficiency (2014 BC Ch.13)
  - 12. Roof covering and replacements
    - 12.1 Installation and materials (2014 BC Section 1510.1 through 1510.6)
    - 12.2 Cool roofs (2014 BC Section 1504.9)
    - 12.3 Green roofs (permitted per 2014 BC Ch.15)
  - 13. Handrails (2014 BC Section 1009.12, 1010.8 and 1012)
  - 14. Guards (2014 BC Section 1013 and 1607.7)

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- 15. Areas of special flood hazard (2014 BC Section 28-104.9.4 and Appendix G)
- 16. Structural (2014 BC Section 1601.2)
- 17. Emergency and standby power systems (2014 BC Section 2702.1)
- 18. Parking garages and open parking lots (2014 BC Section 406.2.11 or 406.7.11)

320908899

- 19. Mold protection (2014 BC Section 2506 and 2509)
- 2) 2014 New York City Construction Codes, for exceptions listed
- 3) 2014 New York City Energy Conservation Code (2014 BC 13.1.1.1)
- 4) 2010 ASHRAE 90.1 (as amended by 2014 ECC)
- 5) 2009 ANSI A117.1 (2014 BC 1101.2)
- 6) 2010 ADA Standards for Accessible Design
- 7) New York City Zoning Resolution
- 8) ASME A17.1 Safety Code for Elevators
- 9) 2014 New York City Fire Code

### 2.13 Department of

Building Application Number:

#### **Business Use:**

Alteration 1:

Base Building Core and Shell

Other related applications: 321407045 321358375 321401693 321407036 321358384 340425542 321401700 321750841 321358366

Tenant 2021-TMFALM-007189-PLAN

#### Mercantile Use:

321296986

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2.14 Fire

Protection Plan Application

Number:

To be assigned



#### 3. Safety Systems and Features

## 3.1 Communications Systems:

#### **Business (Office and Higher Education) Use:**

The Fire alarm and Life Safety System shall be provided with twoway voice communication via fire alarm warden stations.

#### Mercantile Use

Previous existing Class "C" Fire Alarm system for the previous existing 10-story Mercantile Use building (before major renovation and addition for conversion to mixed-use building) was converted to a low-rise system per 2014 NYC Building Code: Manual and Automatic Smoke/Heat Detection and Sprinkler Fire Alarm System with One-Way Voice Communication. Reference FDNY letter dated June 6, 2017, FPIMS #36275360)

#### 3.2 Alarm Systems:

#### **Business (Office and Higher Education) Use:**

The base building Fire Alarm and Life Safety System will be an addressable multiplex microprocessor base, electrically supervised fire alarm and voice communication system independent of the Building Management System (BMS), complete with central processor equipment, sensors, devices, data gathering transmission panels, console, conduit and wiring, etc.

The base building main fire alarm panel is located at the fire command station as per base building design and receives signals as required from the separate Macy's fire alarm system. The fire alarm for base building and Macy's are separate systems with a common interface to alert if one of the systems is activated.

The fire alarm system shall comply with the New York City Building Code and NFPA requirements and as directed by the local Fire Department officials.

Emergency voice/alarm communication system will be provided in accordance with the fire strategy. Visual notification will be provided in all public areas and common areas by fire alarm strobe appliances.

The fire alarm system will interface with other building systems such as security, IT, and BMS which may require to be shut down during a fire

Fire alarm devices shall be provided by the base building for all mechanical rooms, core rooms and egress stairs. Points of connection shall be provided to the fire alarm for connection of tenant fire alarm devices.

#### Mercantile Use

Previous existing Class "C" Fire Alarm system for the previous existing 10-story Mercantile Use building (before major renovation

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and addition for conversion to mixed-use building) was converted to a low-rise system per 2014 NYC Building Code: Manual and Automatic Smoke/Heat Detection and Sprinkler Fire Alarm System with One-Way Voice Communication. Reference FDNY letter dated June 6, 2017, FPIMS #36275360)

## 3.3 Smoke and carbon monoxide detection equipment:

#### Business (Office and Higher Education) Use:

The Fire Alarm and Life Safety System will be Class 'B' non-coded, zoned, electrically supervised, Class 'A' backbone riser wiring, Class 'B' circuits, including, but not limited to the following:

- a. The fire detection and alarm system will be complete with manual pull stations, ceiling- mounted smoke detectors where required, duct mounted smoke detectors, heat detectors, warden stations and speaker/strobe devices.
- b. Sprinkler system water flow detection and valve position tamper switches.
- c. Automatic control of air handling systems under fire conditions.
- d. Automatic control of elevators under fire conditions.
- e. Manual control of smoke purge system.
- f. Fail safe door release system.
- g. Carbon monoxide detectors, with integral sounder bases, will be provided at loading dock, any corridor on the floor where the loading dock is located, as well as one floor above and one floor below per NYC Local Law 191 of 2018 and 1 RCNY 908-01.
- h. Class B fire alarm system will contain spare capacity for connection of tenant fire alarm devices.

#### Mercantile Use:

Previous existing Class "C" Fire Alarm system for the previous existing 10-story Mercantile Use building (before major renovation and addition for conversion to mixed-use building) was converted to a low-rise system per 2014 NYC Building Code: Manual and Automatic Smoke/Heat Detection and Sprinkler Fire Alarm System with One-Way Voice Communication. Reference FDNY letter dated June 6, 2017, FPIMS #36275360)

## 3.4 Location of fire command station:

Business and Mercantile Use has separate Fire Command Stations. Each Fire Command Station will display the status of the other.

#### **Business (Office and Higher Education) Use:**

A new manual and automatic fire alarm system with automatic smoke detection, Fire Department communication, two way communication, and emergency voice/ alarm communication will be installed throughout the new Office occupancy.

The Fire Command Station for Business Use will be located in the dedicated office lobby located on 181 Livingston Street. This Fire

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Command Station will be connected to Department Store's existing Fire Command station for all supervisory, controls and alarming functions common to both systems as required. These common systems include the following: generator, fire pump, sprinkler pump and elevators.

First responders will respond to the Office address and Fire Command Station on 181 Livingston Street for events within the Business occupancy.

#### Mercantile Use:

Fire Command Station for Mercantile Use is existing and located within the Macy's retail area near Hoyt Street.

First responders will respond to the Macy's building address on 422 Fulton Street for events within the Retail occupancy.

#### 3.5 Elevator recall:

#### Business (Office and Higher Education) and Mercantile Use:

Device activation on Business Use areas will recall Business Use elevators. Device activation on Mercantile Use areas will recall Mercantile Use elevators. The following activation will recall both Business and Mercantile elevators:

- Sprinkler waterflow activation on any below-grade floor, as building is served by a common sprinkler feed and fire pump.
- Sprinkler waterflow activation on 1<sup>st</sup> Floor, as as building is served by a common sprinkler feed and fire pump.
- Smoke detector in Mercantile Use Elevator Machine Room on 10<sup>th</sup> floor. This EMR serves Mercantile elevators in Bank E, but is located within Business Use area.

#### **Business Use:**

Fireman's emergency operation shall be provided per code for Phase I and II modes.

Elevators shall return to 1st Floor, or automatically be disconnected after 90 seconds for later manual selection and evacuation, via activation of lobby detectors and/or recall switches for each group of elevators. System subsequently permits manual selection of any elevator in Fire Control Station.

Fire Control Panel is in the Fire/Security Room behind the Lobby Reception Desk at 181 Livingston, with duplicated functionality at the desk. Fire recall switches are adjacent to Fire Command Center at Reception Desk, and at Passenger Elevator Lobby.

Standby generator sized to run one elevator from each group and Fireman's Elevators simultaneously.

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### 3.6 Emergency lighting and power:

#### **Business Use (Office and Higher Education)**

The emergency lighting system will comply with local codes. Emergency luminaires will be supplied from a dedicated system connected to the base building life safety emergency generator. Separate emergency lighting panels will be located in the electrical closets.

Illuminated exit signage will be provided through egress routes.

For emergency power provisions, please refer to response in section 3.9

#### **Mercantile Use:**

The emergency lighting system will comply with local codes. Emergency luminaires will be supplied from battery backup.

Illuminated exit signage will be provided through egress routes.

For emergency power provisions, please refer to response in section 3.9

#### 3.7 Standpipes:

#### Business (Office and Higher Education) and Mercantile Use:

The new infrastructure will be installed at the Cellar level. Existing piping will be integrity tested and replaced as necessary.

The fire protection system will continue to be supplied from the existing fire water service on Hoyt Street along with a new fire water service from Fulton Street to serve the facility as described below.

- 6" fire service enters the facility at Hoyt Street at the Cellar Level. This service will be increased in diameter to 8".
- A new 8" fire service will be also installed at Fulton Street at the Cellar Level.
- These services will serve a new common supply header installed at the Cellar level.
- The common supply header will serve automatic fire pump and jockey pump.

The existing standpipe system is a class I system.

The facility will be served by a new common supply header at the Cellar Level. The common supply header will be supplied from the two (2) fire services as described above. The supply header will serve the new automatic fire pump and jockey pump. The dedicated standpipe riser system is fed from the new main standpipe header at the Cellar Level up to the top of the facility by the new automatic fire pump.

The new dedicated standpipe system will be served by the new automatic fire pump and jockey pump. The standpipe system will

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serve the entire facility, for Mercantile (M), and Business (B) occupancy. New standpipe risers will be installed as required and the existing risers will be extended to serve the expanded facility as required.

The existing Siamese connections for the facility will be maintained and connected to the new, reconfigured standpipe system. The locations are as follows:

- One (1) set FSP at Hoyt Street
- Two (2) sets FSP at Livingston Street
- Two (2) set FSP at Fulton Street

#### 3.8 Sprinklers:

#### Business (Office and Higher Education) and Mercantile Use:

The new infrastructure will be installed at the Cellar level. Existing piping will be integrity tested and replaced as necessary.

The fire protection system will continue to be supplied from the existing sprinkler water service on Hoyt Street along with a new sprinkler water service from Fulton Street to serve the facility as described below.

- 6" sprinkler service enters the facility at Hoyt Street at the Cellar Level. This service will be increased in diameter to 8".
- A new 8" fire service will be also installed at Fulton Street at the Cellar Level.
- These services will serve a new common supply header installed at the Cellar level.

The facility will be served by a new common supply header at the Cellar Level. The common supply header will be supplied from the two (2) fire services as described above. The supply header will serve the new sprinklers.

The dedicated sprinkler riser system is fed from the new main sprinkler header at the Cellar Level up to the top of the facility by the new automatic sprinkler pump.

The new dedicated sprinkler system will be served by the new automatic sprinkler pump and jockey pump. The sprinkler system will serve the entire building, with Mercantile (M) and Business (B) occupancies. New sprinkler risers will be installed as required and the existing risers will be extended to serve the expanded facility as required.

The existing Siamese connections for the facility will be maintained and connected to the new, reconfigured sprinkler system. The locations are as follows:

- One (1) set Sprinkler at Hoyt Street
- Two (2) sets Sprinkler at Livingston Street
- One (1) set Sprinkler at Fulton Street

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Sprinkler rigs will be provided on each floor, including water flow, tamper switches and testing / drain station. Code compliant temporary sprinkler loop shall be provided by Owner. A dry system shall be provided at the Business Use Loading Dock.

## 3.9 Emergency and standby power systems:

#### **Business (Office and Higher Education) and Mercantile Use:**

The life safety emergency power systems in the building will be supplied by a 1250kW generator. These systems will include the base building and tenant. Normal and emergency power distribution systems will be isolated from each other with automatic transfer switches (ATS).

This existing generator serves the following base building life safety emergency loads:

- Stair, exit and egress passageway lighting.
- · Egress lighting.
- Fire alarm systems, including voice communications and alarm.
- First responder in building auxiliary radio communication system.
- Fire protection systems.
- Fire and sprinkler pumps.
- All elevator lighting and communication.

ATS and electrical panelboards will be provided to supply power to the legally required loads from the existing generator. The following legally required loads will be served from the existing generator:

 Elevators with power arranged so that any three elevators can be run on emergency power with selective operation limited to simultaneous operation of two elevators in each bank, plus freight elevator.

#### **Business Use only:**

Office and Higher Education Tenants:

In addition to the base building provided emergency/standby loads and legally required loads, there are some tenant optional standby loads that require generator back-up.

#### Mercantile Use only:

Department store will be provided with optional standby power for mechanical loads that require standby power from base building 1250 KW Generator.

## 3.10 Mechanical ventilation and air conditioning:

#### Business (Office and Higher Education) Use:

A combination general exhaust/post fire smoke purge exhaust system including fans and ducts risers is provided for building general exhaust and post-fire purge smoke exhaust requirements.

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Resettable fire smoke dampers are located on each floor, which are connected to a master purge panel located within the existing fire command center.

Fusible link operated fire dampers are provided in penetrations for ducted and non-ducted air openings that require a 1-hr fire rating.

Fire smoke or smoke dampers are provided within smoke rated partitions, and also where devices need to be resettable by the building fire alarm system

Base building systems consist of packaged water cooled air handlers, providing heated and cooled air to new single duct, shutoff variable air flow boxes located around the floor plates.

#### Mercantile Use

A combination general exhaust/post fire smoke purge exhaust system including fans and ducts risers is provided for building general exhaust and post-fire purge smoke exhaust requirements. Resettable fire smoke dampers are located on each floor, which are connected to a master purge panel located within the existing fire command center.

Fusible link operated fire dampers are provided in penetrations for ducted and non-ducted air openings that require a 1-hr fire rating.

Fire smoke or smoke dampers are provided within smoke rated partitions, and also where devices need to be resettable by the building fire alarm system

## 3.11 Smoke control systems and equipment:

#### **Business (Office and Higher Education) Use:**

A combination general exhaust/post fire smoke purge exhaust system including fans and ducts risers is provided for building general exhaust and post-fire purge smoke exhaust requirements. Resettable fire smoke dampers are located on each floor, which are connected to a master purge panel located within the fire command center.

#### Mercantile Use

Local EMS Controller receives a localized dry connect input from the building fire system alarm panel. When the local EMS Controller receives the alarm input from the building fire system, purge mode is activated via internal programming. During purge mode, both Supply and Return fans VFD's are enabled and commanded to run at full speed (100%/60 Hertz.) Outside Air and Exhaust Dampers are commanded fully open. Return Air Damper is commanded fully closed. Local EMS Controller will continue to operate in purge mode until the local building fire

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alarm input returns to normal state. When purge mode is deactivated, the system will resume its normal sequence of operation.

### 3.12 Furnishings types and materials:

#### **Business Use:**

#### Base Building Core and Shell:

There is no furnishing in base building scope. For interior finishes, exits, shafts and exit passageways where finished by Base Building will be Finish Class A, Smoke Developed Rating 25

#### **Higher Education Tenant:**

For interior finishes, exits, shafts and exit passageways finished by Higher Education Tenant will be Finish Class A, Smoke Developed Rating 25

#### 3.13 Places of Assembly

#### **Business Use:**

#### **Base Building Core and Shell:**

There will be a Place of Assembly on Penthouse 1 level:

Outdoor Tenant Amenity Area. Occupancy Use is Type F-4
 Assembly with consumption of food and drinks (2014 Group A-2). Place of Assembly Certificate of Operation will be filed.

#### **Higher Education Tenant:**

There will be Place of Assembly on 5th Floor:

- Cafeteria. Occupancy Use is Type F-4 Assembly with consumption of food and drinks (2014 Group A-2).
- Auditorium. Occupancy Use is Type F-1b Assembly with performance (2014 Group A-1).
- Place of Assembly Certificate of Operation will be filed.

### 3.14 Fire department access:

#### Business (Office and Higher Education) and Mercantile Use:

Fire Department access and Fire Command Center for Office and Higher Education will be on 181 Livingston Street.

#### Mercantile Use

Official Address for Mercantile Use is 422 Fulton Street, and the Fire Command Center is allocated along Hoyt Street.

## 3.15 Photoluminescent pathway markings:

#### Business (Office and Higher Education) and Mercantile Use:

Photoluminescent pathway markings will be installed per Local Law 26 of 2004 and New York City Building Code § 27-383(b). New York City Building Code Reference Standard RS 6-1 and 6-1A

#### Mercantile Use

Photoluminescent pathway markings will be installed per Local Law 26 of 2004 and New York City Building Code § 27-383(b). New York City Building Code Reference Standard RS 6-1 and 6-1A



3.16 Other safety related systems, required and voluntary, to be installed:

N/A

#### 3.17 Fire Protection Notes: Business Use:

#### Base Building Core and Shell:

New rated construction shall be UL-Listed or equivalent assembly of spray-on medium density fireproofing, gypsum board assembly or concrete encasement. Existing rated construction meeting required fire rating per previous Construction Classification shall remain inplace, and repaired to maintain the required fire rating if damaged.

Any penetration through fire rated construction shall be fire-stopped per code requirements.

Partial west façades and east façades within 30' of property line are fire rated to meet code requirements.

#### **Higher Education Tenant:**

With Tenant fit-out areas, closely spaced sprinklers and smoke baffles were provided at selective partitions where 1 hour rated partitions are required. Approved CCD1 filed separately by Tenant Architect.

#### Mercantile Use:

There is no fire rated separation in Mercantile areas for Stock Rooms, Mechanical Rooms, etc.

#### **General Note:**

The NE corner of the building (as indicated by hatch on Fire Protection Plan drawings) from  $\mathbf{1}^{\text{st}}$  Floor Mezzanine down is in development. It is excluded from this Fire Protection Plan submission.

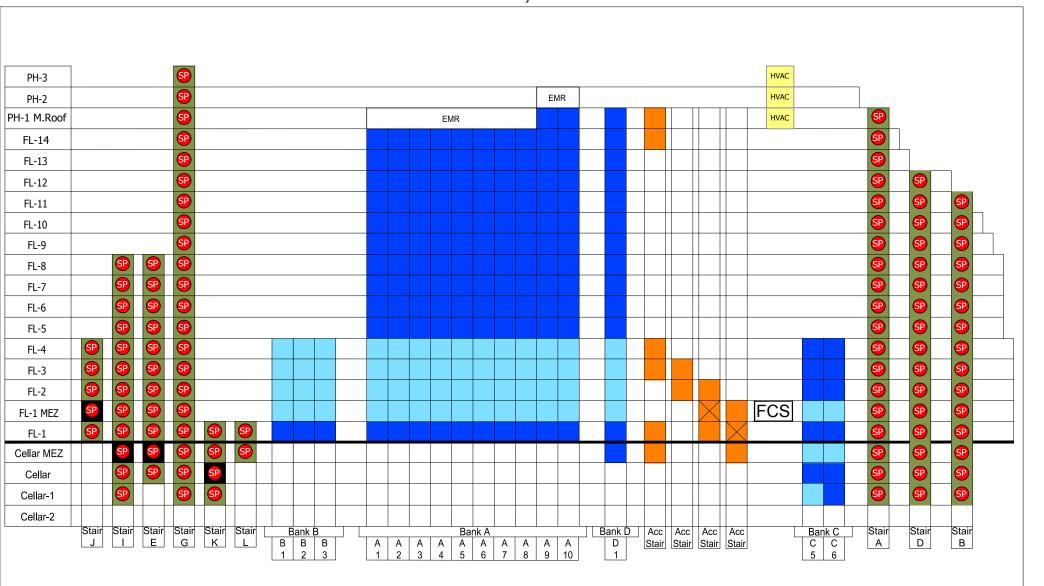
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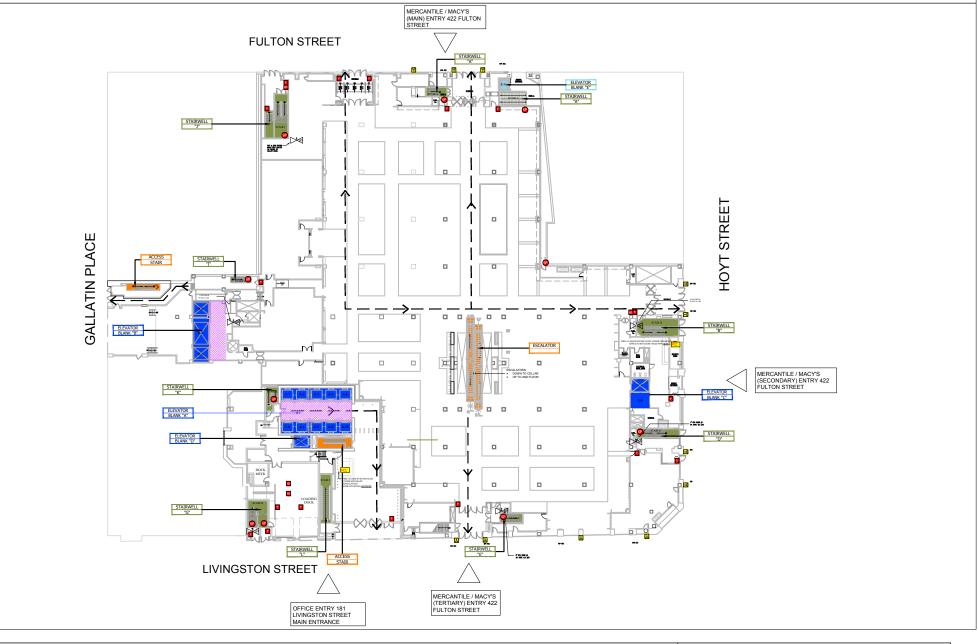
Page 16 of 16

F.P.I.M.S.

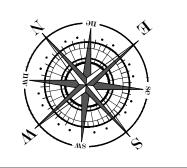
# APPENDIX B-2 BUILDING INFORMATION CARD

422 FULTON STREET BROOKLYN, NY 11216





LEGEND					
		Elevator	EMR	Elevator Machine Room	
		Elevator Blind Shaft	FCS	Fire Command Station	
		Stair	SP	Standpipe Outlet	
		Mechanical Equipment Room	人	Combination Connection	



## FIRE SAFETY AND EMERGENCY **ACTION PLAN**

**422 FULTON STREET BROOKLYN, NY 11216** 

<b>←</b> — — — EVACUATION ROUTE
IN-BUILDING RELOCATION AREA
"1" ELEVATOR CAR & NUMBER DESIGNATION
MECHANICAL / ELECTRICAL SPACES
CONVENIENCE / ACCESS STAIR
ELEVATOR BLIND SHAFT/ MECHANICAL SHAFT
STAIR WELLS
NO ACCESS STAIRWELL
NO ACCESS CONVENIENCE / ACCESS STAIR



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	Х	XX-XX-XXXX	XXXXXXXXXXX
Г	NO.	DATE	DETAILS

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CONTRACTOR(S)/VENDOR(S) SHALL CONFIRM ALL FIELD CONDITIONS
INCLUDING BUTN DOT LIMITED TO LOCATION, DIMENSIONS, APPLICABLE
CODES FROM ALL AUTHORITIES HAVING JURISDICTION (AHI) AND LAWS
ENACTED PRIOR TO INITIATING ANY WORK AND NOTHEY TEE OF ANY
CONFLICTS, DISCREPANCIES, ERRORS, AND OMMISSIONS WITNESSED IN
WRITING. INSTALLATION OF ANY SCOPE INDICATED ON THE DRAWINGS
SHALL NOT COMMENCE UNTIL THE AHI APPROVES ANY AND ALL SCOPES
SHOWN. THIS APPROVAL SHALL BE INDICATED ON THE PLANS VIA. AN
APPROVAL STAMP. TCE SHALL BE DEEMED AS THE AUTHOR OF THESE
DRAWINGS AND SHALL RETAIN ALL STATUTORY, COMMON LAWS,
EDUCATION LAWS, AND ANY OTHER RESERVED RIGHTS INCLUDING
COPYRIGHT. THE OWNER OF THE PREMISES SHALL BE ALLOWED TO RETAIN
COPIES OF THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS FOR
THIS PROJECT ONLY FOR THE WORK INDICATED ON THE DRAWINGS.

**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

**BUILDING NOTES** 

XXXXXXXXXXXXXXXXXX 

XXXXXXXXXXXXXXXXXXXX

LEGEND

FDNY RECORD ID #:

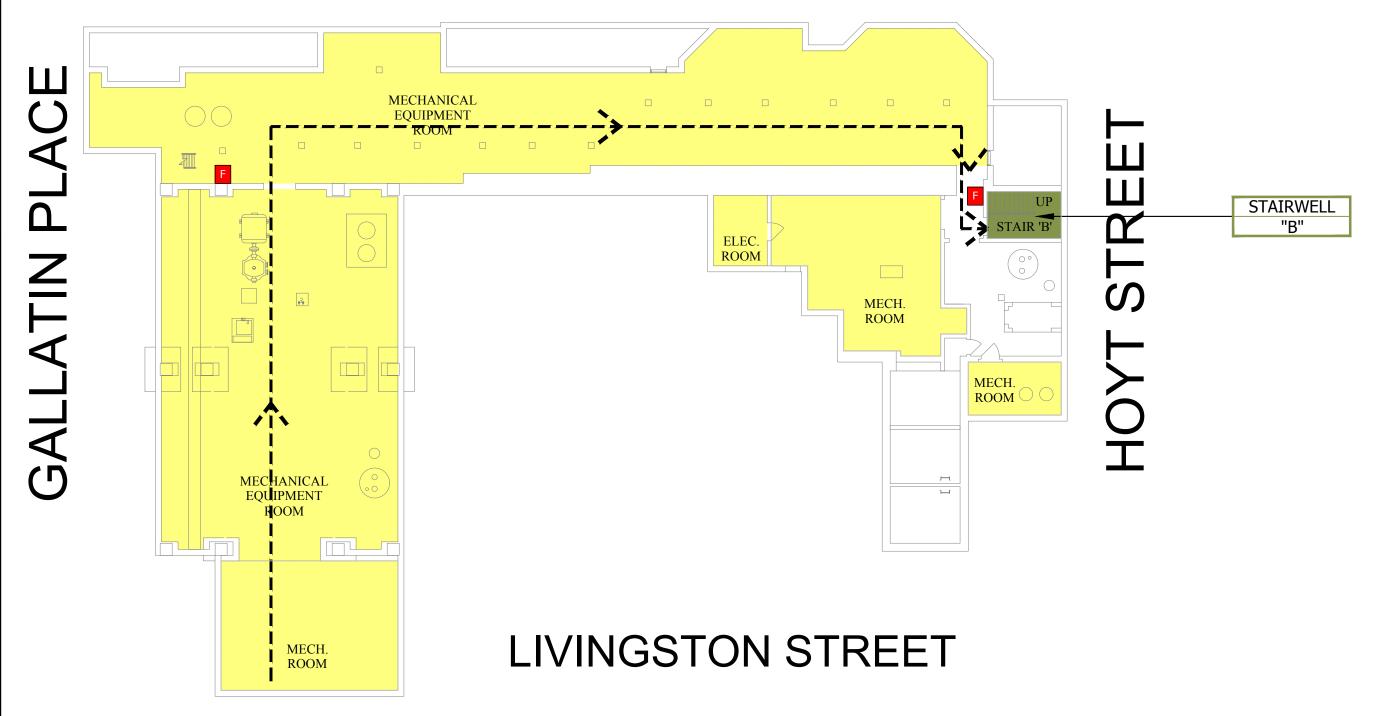
2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	



SHEET:01 OF 27

## **FULTON STREET**





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NO	DATE	DETAILC

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

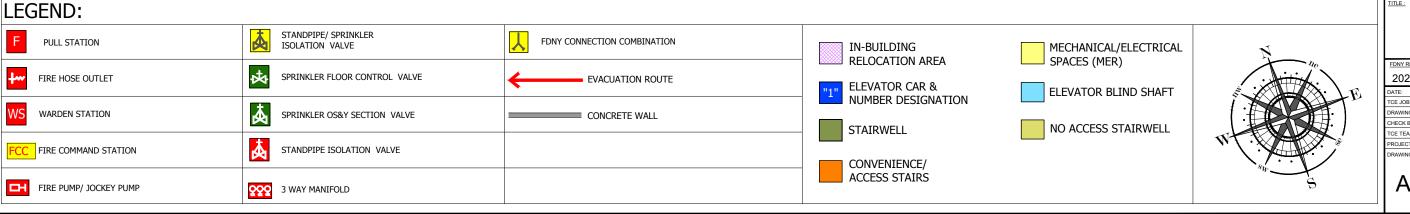
**422 FULTON STREET** BROOKLYN, NY 11216

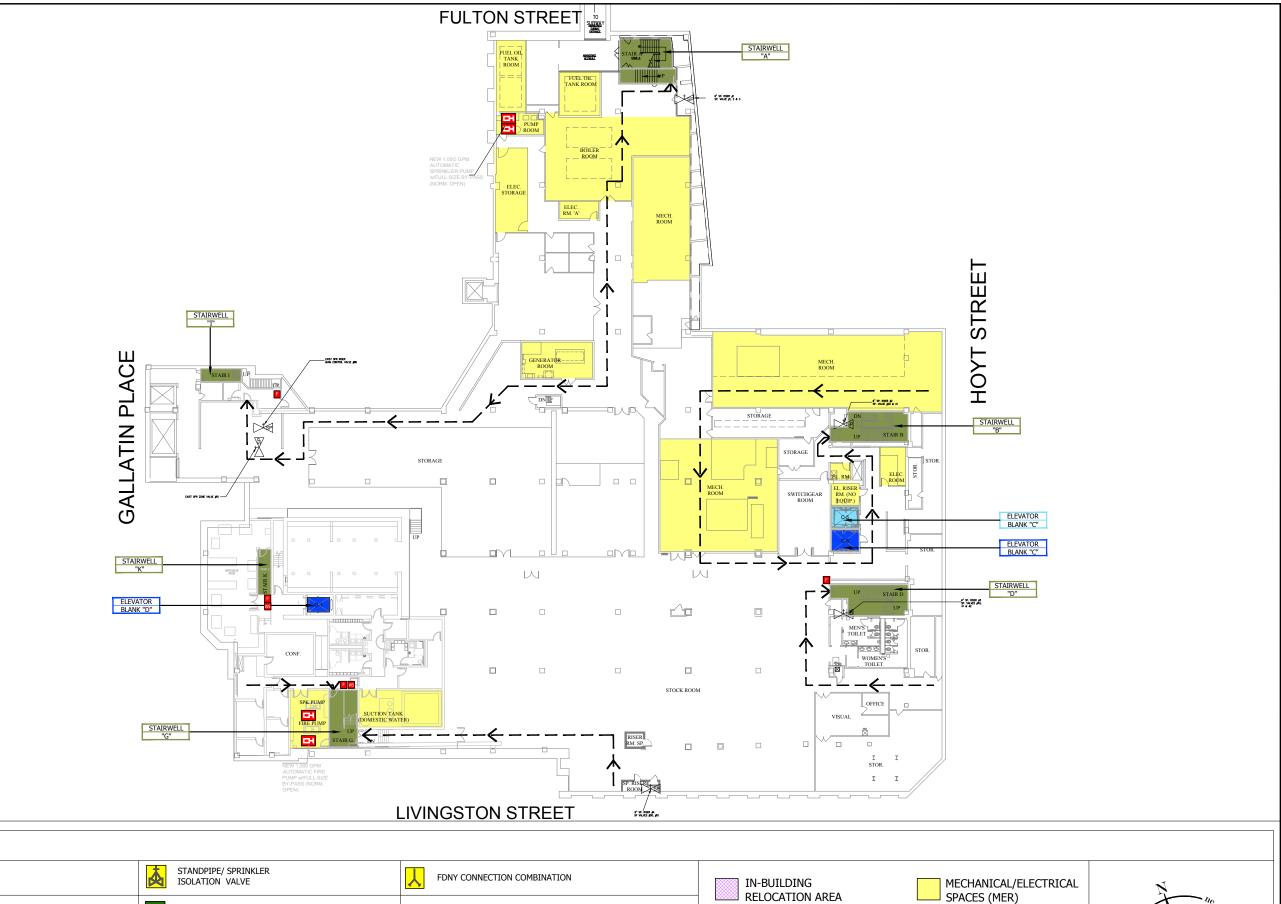
SUB CELLAR 2 FLOOR PLAN

2022-EPPGFS-XXXXXX-PLAN

ATE:	07/13/2022
CE JOB NUMBER:	TISHAYK02
RAWING BY:	RAH
HECK BY:	MMZ
CE TEAM LEAD:	GIK
ROJECT MANAGER:	ATY
RAWING NUMBER:	

SHEET:02OF 27





1" ELEVATOR CAR & NUMBER DESIGNATION

STAIRWELL

CONVENIENCE/ ACCESS STAIRS ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

**EVACUATION ROUTE** 

CONCRETE WALL

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



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Х	XX-XX-XXXX	XXXXXXXXXXX
NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

AHJ STAMP

PROJECT NAME AND ADDRESS :

422 FULTON STREET BROOKLYN, NY 11216

TITLE :

SUB CELLAR FLOOR PLAN

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

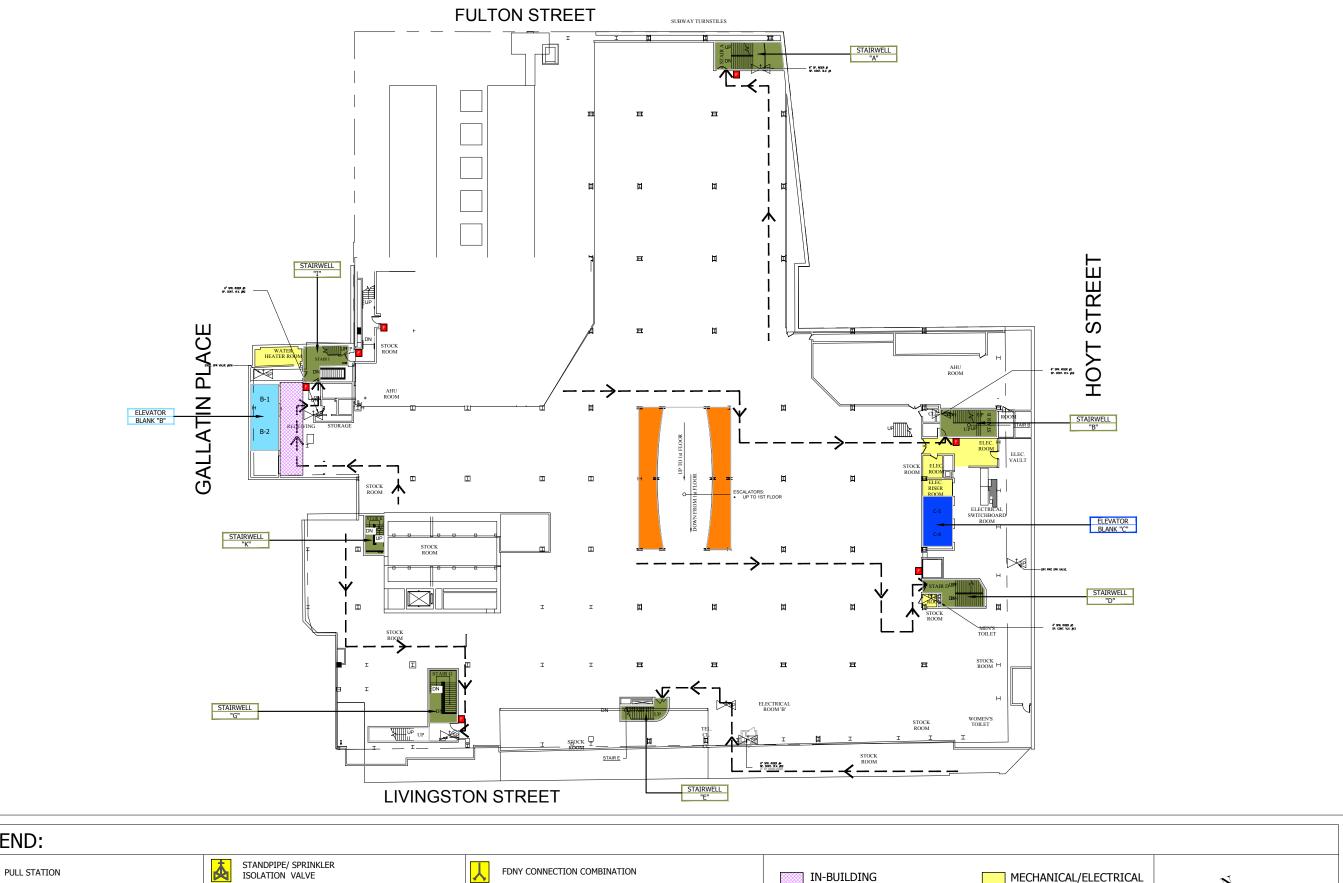
ER:

A-4

SHEET:03

**\-4** 

SHEET:03OF 27



CONCRETE WALL

RELOCATION AREA

**ELEVATOR CAR &** 

CONVENIENCE/ ACCESS STAIRS

STAIRWELL

NUMBER DESIGNATION

SPACES (MER)

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

LEGEND:

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

CELLAR FLOOR PLAN

FDNY RECORD ID #:

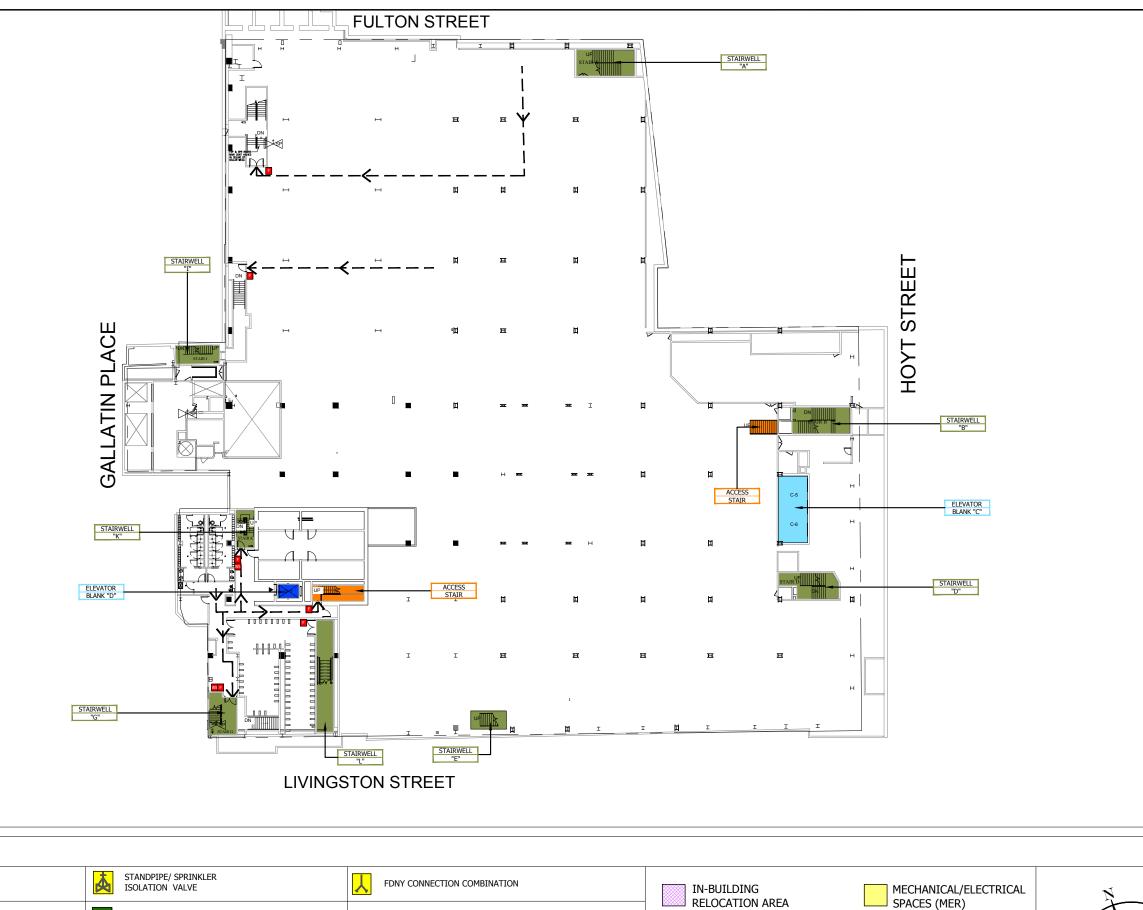
2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	



A-5

SHEET:04OF 27



1" ELEVATOR CAR & NUMBER DESIGNATION

STAIRWELL

CONVENIENCE/ ACCESS STAIRS ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

EVACUATION ROUTE

CONCRETE WALL

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

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STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



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NO	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

CELLAR MEZZ FLOOR PLAN

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

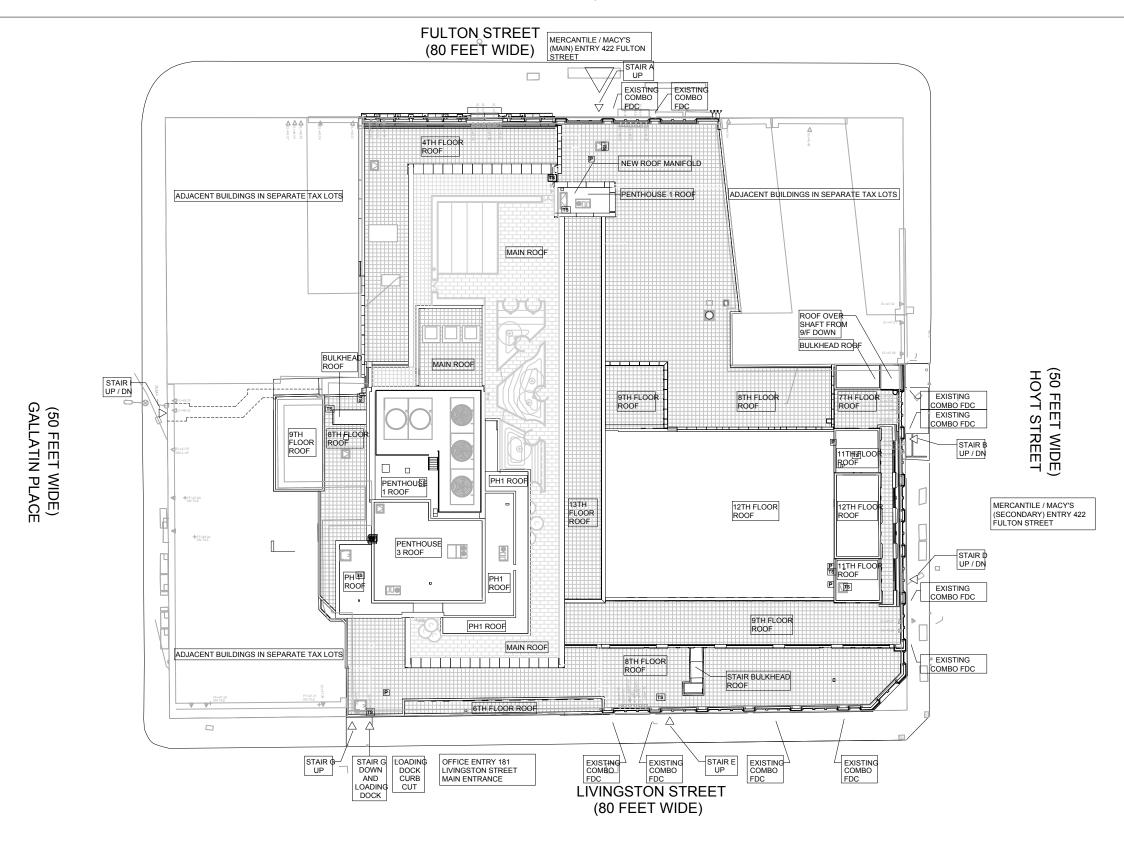


A-6

SHEET:05OF 27

# FIRE SAFETY AND EMERGENCY ACTION PLAN

422 FULTON STREET BROOKLYN, NY 11216





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NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

422 FULTON STREET BROOKLYN, NY 11216

TITLE :

SITE PLAN

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/202
TCE JOB NUMBER:	TISHAYK
DRAWING BY:	RA
CHECK BY:	MM
TCE TEAM LEAD:	GIF
PROJECT MANAGER:	AT
DRAWING NUMBER:	

ST-1

SHEET:06OF 27

# FIRE SAFETY AND EMERGENCY ACTION PLAN

422 FULTON STREET BROOKLYN, NY 11216

			IBRA TABLE CONTENTS	S (IN BUILD	ING RELOC	ATION AREA)	
SHEET NO	DWG NO	TITLE	LOCATION	SHEET NO	DWG NO	TITLE	LOCATION
02 OF 27	A-3	SUB CELLAR 2 FLOOR PLAN	ELEVATOR LOBBY	25 OF 27	FL-20	PENTHOUSE 2	
03 OF 27	A-4	SUB CELLAR 1 FLOOR PLAN	ELEVATOR LOBBY	26 OF 27	FL-21	PENTHOUSE 3	
04 OF 27	A-5	CELLAR FLOOR PLAN	ELEVATOR LOBBY				
05 OF 27	A-6	CELLAR MEZZANINE FLOOR PLAN	ELEVATOR LOBBY				
09 OF 27	FL-4	1ST FLOOR	ELEVATOR LOBBY				
10 OF 27	FL-5	1ST FLOOR MEZZ	ELEVATOR LOBBY				
11 OF 27	FL-6	2ND FLOOR	ELEVATOR LOBBY				
12 OF 27	FL-7	3RD FLOOR	ELEVATOR LOBBY				
13 OF 27	FL-8	4TH FLOOR	ELEVATOR LOBBY				
14 OF 27	FL-9	5TH FLOOR	ELEVATOR LOBBY				
15 OF 27	FL-10	6TH FLOOR	ELEVATOR LOBBY				
16 OF 27	FL-11	7TH FLOOR	ELEVATOR LOBBY				
17 OF 27	FL-12	8TH FLOOR	ELEVATOR LOBBY				
18 OF 27	FL-13	9TH FLOOR	ELEVATOR LOBBY				
19 OF 27	FL-14	10TH FLOOR	ELEVATOR LOBBY				
20 OF 27	FL-15	11TH FLOOR	ELEVATOR LOBBY				
21 OF 27	FL-16	12TH FLOOR	ELEVATOR LOBBY				
22 OF 27	FL-17	13TH FLOOR	ELEVATOR LOBBY				
23 OF 27	FL-18	14TH FLOOR	ELEVATOR LOBBY				
24 OF 27	FL-19	PENTHOUSE 1/MAIN ROOG	ELEVATOR LOBBY				



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#### **SEAL & SIGNATURE**

#### AHJ STAMP

PROJECT NAME AND ADDRESS :

422 FULTON STREET BROOKLYN, NY 11216

TITLE :

IBRA TABLE OF CONTENTS
(IN BUILDING RELOCATION AREA)

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

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Υ



I-1

SHEET:07OF 27

# FIRE SAFETY AND EMERGENCY ACTION PLAN

#### 422 FULTON STREET BROOKLYN, NY 11216

		LIST OF D	RAWINGS		
SHEET NO	DWG NO	TITLE	SHEET NO	DWG NO	TITLE
01 OF 27	A-2	LEGEND	21 OF 27	FL-13	12TH FLOOR PLAN
02 OF 27	A-3	SUB CELLAR 2 FLOOR PLAN	22 OF 27	FL-14	13TH FLOOR PLAN
03 OF 27	A-4	SUB CELLAR 2 FLOOR PLAN	23 OF 27	FL-15	14TH FLOOR PLAN
04 OF 27	A-5	CELLAR FLOOR PLAN	24 OF 27	FL-16	PENTHOUSE 1/MAIN ROOF
05 OF 27	A-6	CELLAR MEZZANINE FLOOR PLAN	25 OF 27	FL-17	PENTHOUSE 2
06 OF 27	ST-1	SITE PLAN	26 OF 27	FL-18	PENTHOUSE 3
07 OF 27	I-1	IBRA TABLE	27 OF 27	R-1	SPRINKLER/STANDPIPE RISER
08 OF 27	FL-0	DRAWING LIST			
09 OF 27	FL-1	FIRST FLOOR PLAN			
10 OF 27	FL-2	1ST FLOOR MEZZANINE FLOOR PLAN			
11 OF 27	FL-3	2ND FLOOR PLAN			
12 OF 27	FL-4	3RD FLOOR PLAN			
13 OF 27	FL-5	4TH FLOOR PLAN			
14 OF 27	FL-6	5TH FLOOR PLAN			
15 OF 27	FL-7	6TH FLOOR PLAN			
16 OF 27	FL-8	7TH FLOOR PLAN			
17 OF 27	FL-9	8TH FLOOR PLAN			
18 OF 27	FL-10	9TH FLOOR PLAN			
19 OF 27	FL-11	10TH FLOOR PLAN			
20 OF 27	FL-12	11TH FLOOR PLAN			



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Х	XX-XX-XXXX	XXXXXXXXXXXX
NO.	DATE	DETAILS

NO. DATE DETAILS

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#### **SEAL & SIGNATURE**

#### AHJ STAMP

PROJECT NAME AND ADDRESS :

422 FULTON STREET BROOKLYN, NY 11216

TITLE :

DRAWING LIST

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

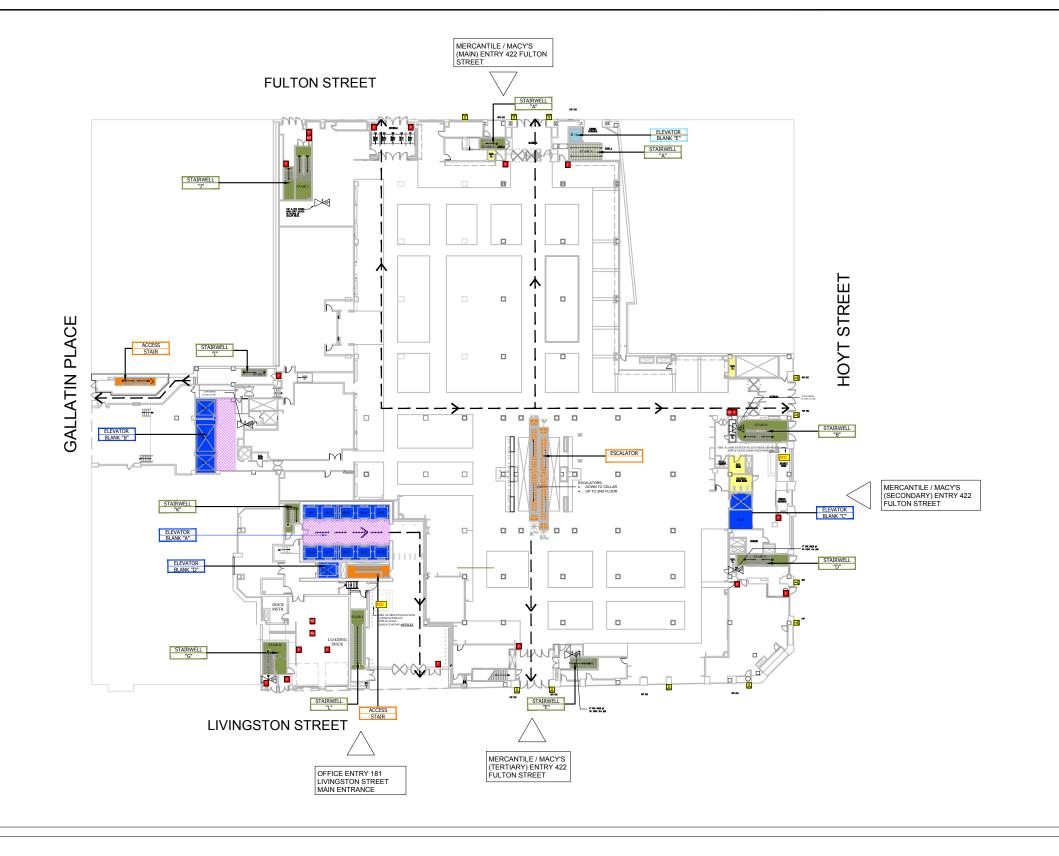
DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

NORTH ARROW

-ı *(* 

FL-0

SHEET:08OF 27





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Х	XX-XX-XXXX	XXXXXXXXXXXX
NO.	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

1ST FLOOR PLAN

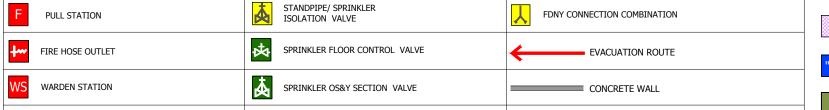
FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-1

SHEET:09OF 27



STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD

LEGEND:

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

**IN-BUILDING** RELOCATION AREA

ACCESS STAIRS

**ELEVATOR CAR &** NUMBER DESIGNATION

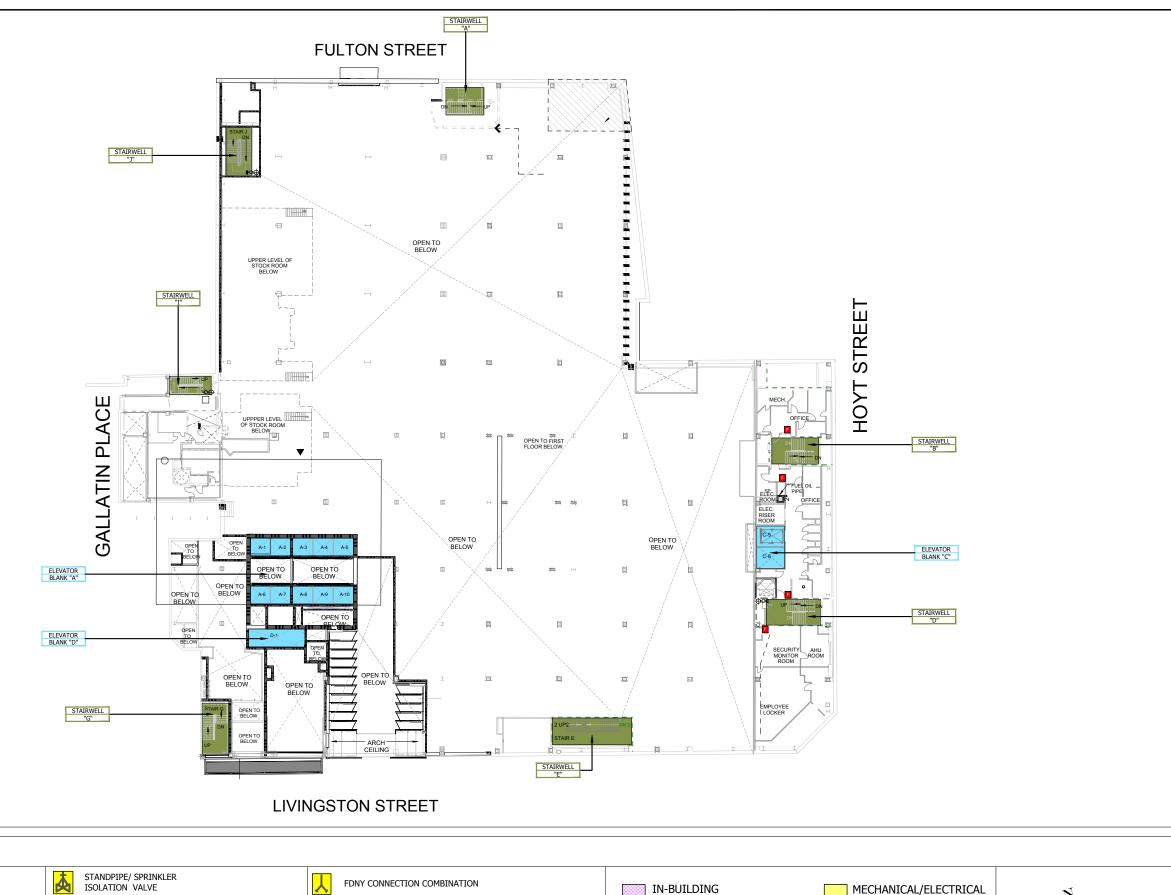
NO ACCESS STAIRWELL

MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

SPACES (MER)

STAIRWELL CONVENIENCE/



RELOCATION AREA

SPACES (MER)



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

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CONTRACTOR(S)/VENDOR(S) SHALL CONFIRM ALL FIELD CONDITIONS
INCLUDING BUT NOT LIMITED TO LOCATION, DIMENSIONS, APPLICABLE
CODES FROM ALL AUTHORITIES HAVING JURISDICTION (AHI) AND LAWS
ENACTED PRIOR TO INITIATING ANY WORK AND NOTHEY TEE OF ANY
CONFLICTS, DISCREPANCIES, ERRORS, AND OMMISSIONS WITNESSED IN
WRITING. INSTALLATION OF ANY SCOPE INDICATED ON THE DRAWINGS
SHALL NOT COMMENCE UNTIL THE AHI APPROVES ANY AND ALL SCOPES
SHOWN. THIS APPROVAL SHALL BE INDICATED ON THE PLANS VIA AN
APPROVAL STAMP. TCE SHALL BE DEEMED AS THE AUTHOR OF THESE
DRAWINGS AND SHALL RETAIN ALL STATUTORY, COMMON LAWS,
EDUCATION LAWS, AND ANY OTHER RESERVED RIGHTS INCLUDING
COPYRIGHT. THE OWNER OF THE PREMISES SHALL BE ALLOWED TO RETAIN
COPIES OF THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS FOR
THIS PROJECT ONLY FOR THE WORK INDICATED ON THE DRAWINGS.

**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

1ST FLOOR MEZZ PLAN

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-2

SHEET:10OF 27

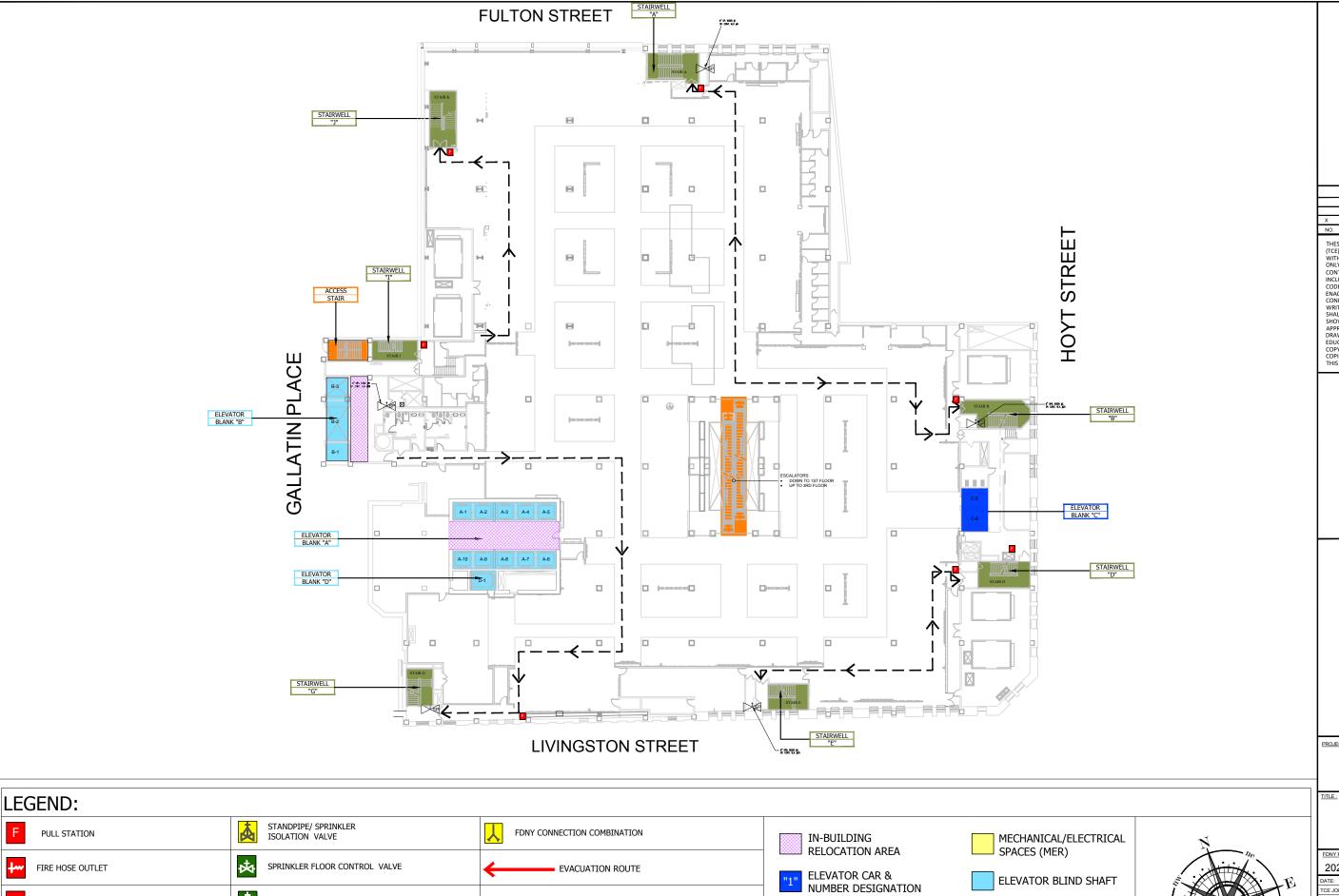
FIRE HOSE OUTLET SPRINKLER FLOOR CONTROL VALVE EVACUATION ROUTE **ELEVATOR CAR &** ELEVATOR BLIND SHAFT NUMBER DESIGNATION WARDEN STATION SPRINKLER OS&Y SECTION VALVE CONCRETE WALL NO ACCESS STAIRWELL STAIRWELL STANDPIPE ISOLATION VALVE FCC FIRE COMMAND STATION CONVENIENCE/ ACCESS STAIRS

LEGEND:

PULL STATION

FIRE PUMP/ JOCKEY PUMP

3 WAY MANIFOLD



CONCRETE WALL

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

NO ACCESS STAIRWELL

STAIRWELL

CONVENIENCE/ ACCESS STAIRS 2ND FLOOR PLAN

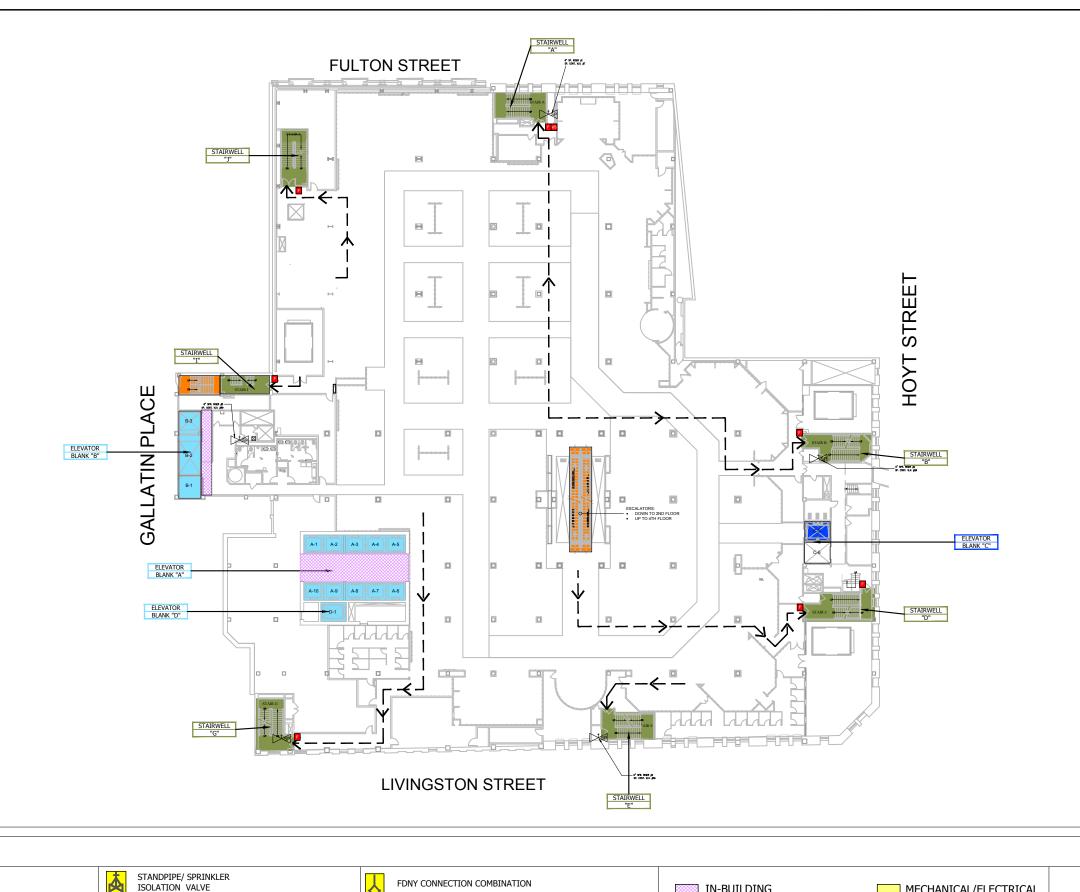
2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022	Г
TCE JOB NUMBER:	TISHAYK02	
DRAWING BY:	RAH	
CHECK BY:	MMZ	
TCE TEAM LEAD:	GIK	
PROJECT MANAGER:	ATY	
DRAWING NUMBER:		

FL-3



SHEET:110F 27



CONCRETE WALL

**IN-BUILDING** 

STAIRWELL

RELOCATION AREA

**ELEVATOR CAR &** 

CONVENIENCE/ ACCESS STAIRS

NUMBER DESIGNATION

MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

SPACES (MER)

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

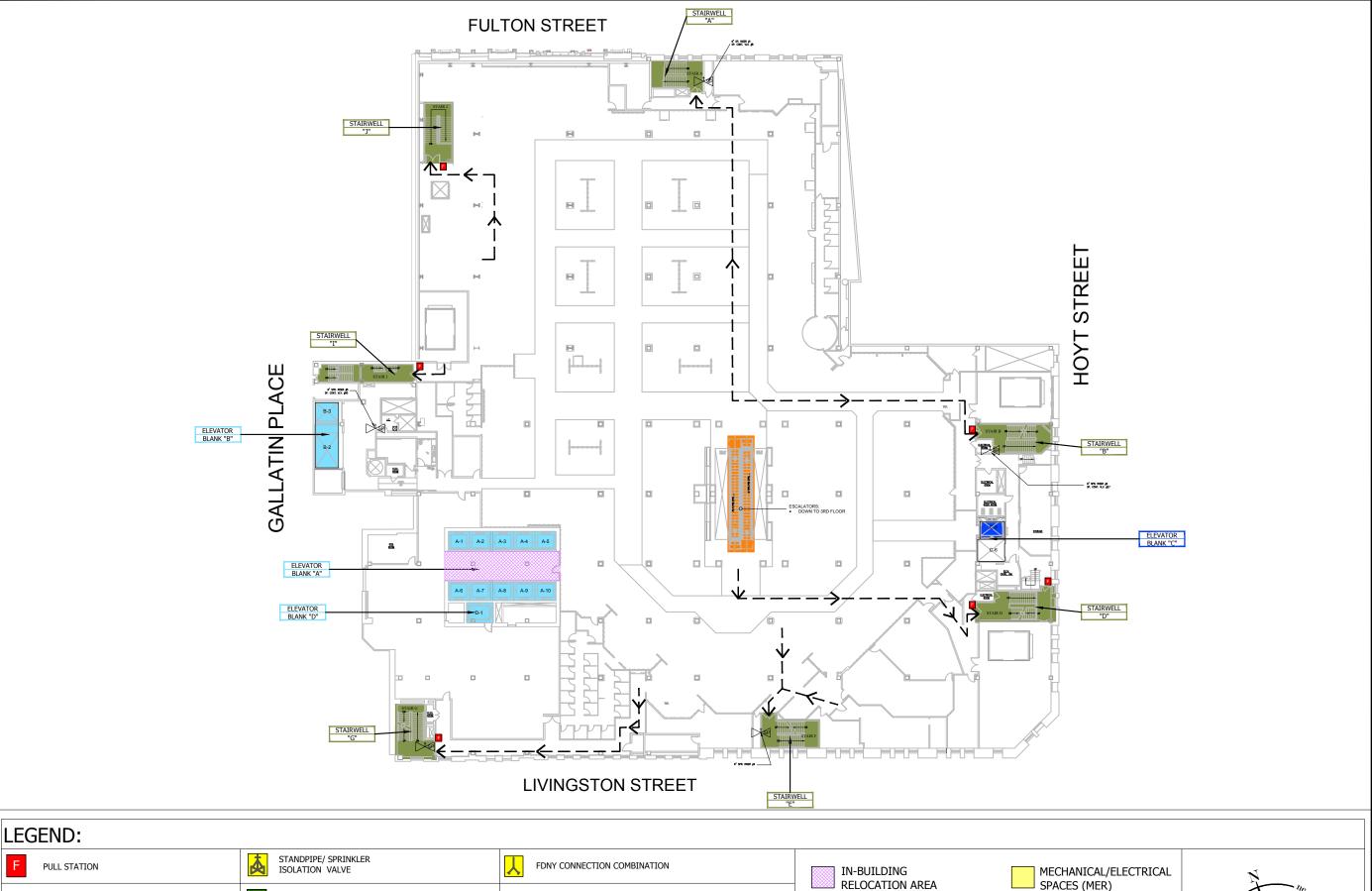
3RD FLOOR PLAN

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022	Г
TCE JOB NUMBER:	TISHAYK02	
DRAWING BY:	RAH	
CHECK BY:	MMZ	
TCE TEAM LEAD:	GIK	
PROJECT MANAGER:	ATY	
DRAWING NUMBER:		

FL-4

SHEET:120F 27



CONCRETE WALL

**ELEVATOR CAR &** 

CONVENIENCE/ ACCESS STAIRS

STAIRWELL

NUMBER DESIGNATION

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP



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Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

4TH FLOOR PLAN

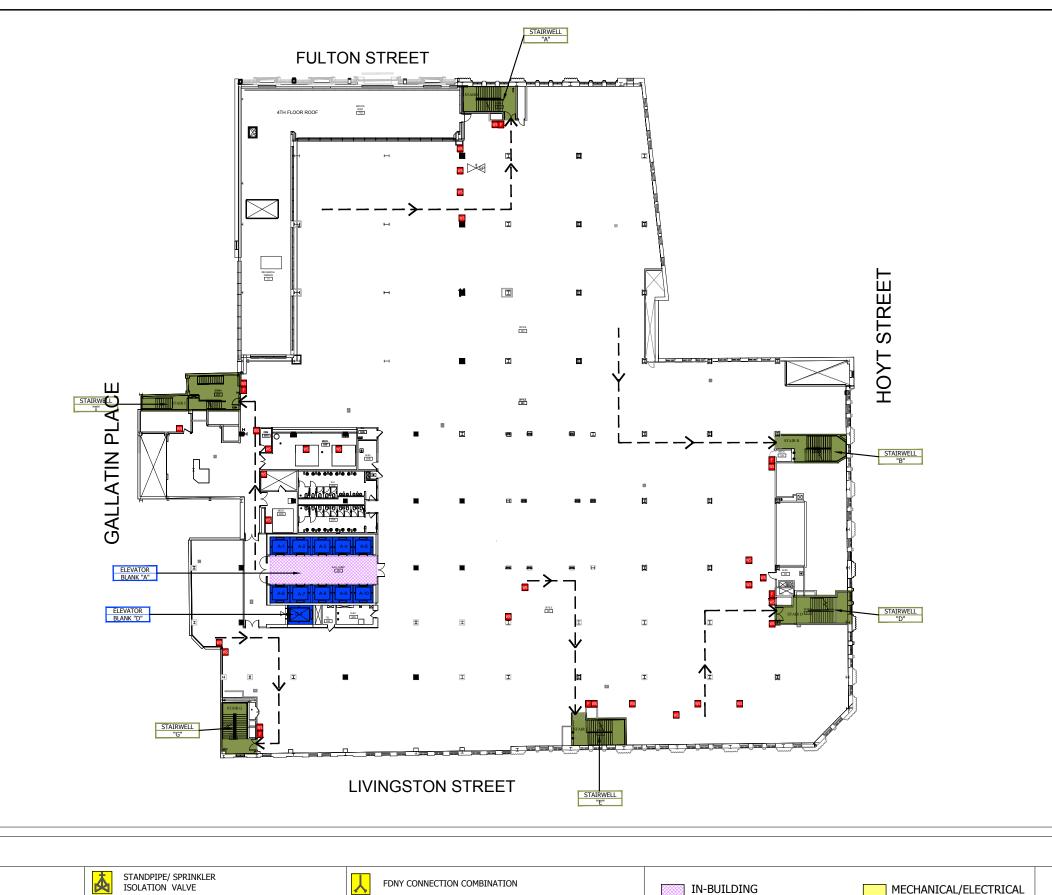
FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	
	I

FL-5

SHEET:130F 27



CONCRETE WALL

RELOCATION AREA

**ELEVATOR CAR &** 

CONVENIENCE/ ACCESS STAIRS

STAIRWELL

NUMBER DESIGNATION

SPACES (MER)

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



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Х	XX-XX-XXXX	XXXXXXXXXXX
NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

5TH FLOOR PLAN

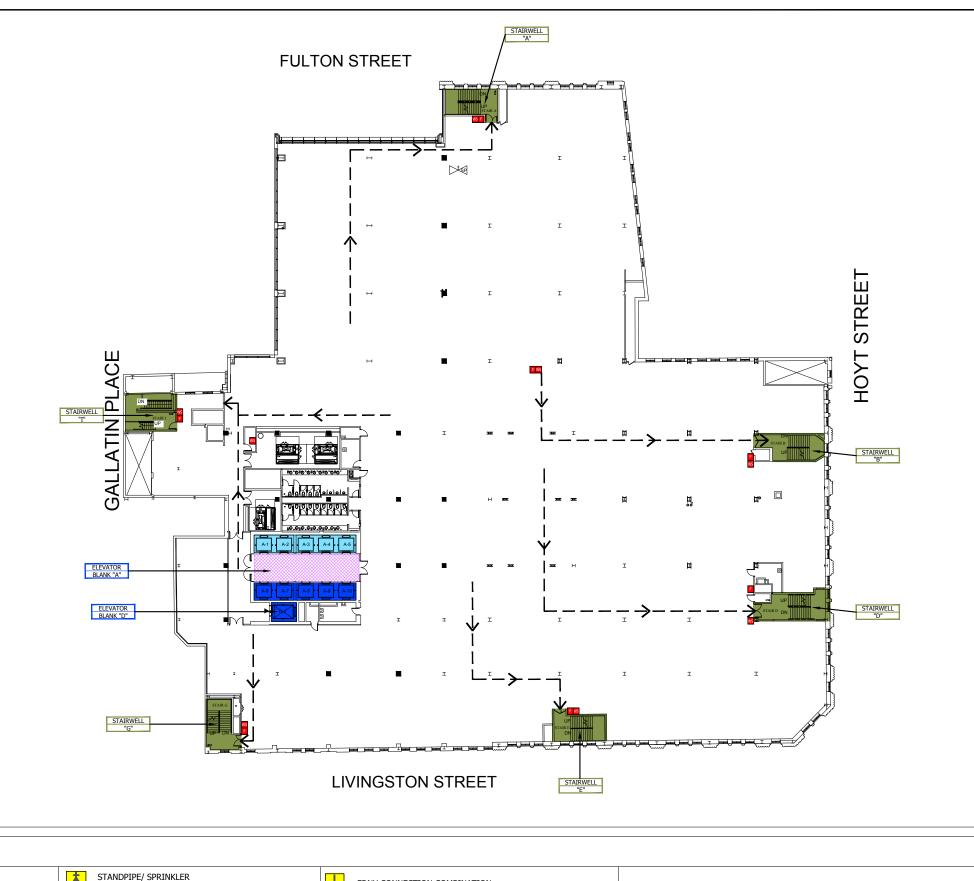
FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-6

SHEET:14OF 27





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Х	XX-XX-XXXX	XXXXXXXXXXX
NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

**6TH FLOOR PLAN** 

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-7

SHEET:15OF 27

PULL STATION FDNY CONNECTION COMBINATION ISOLATION VALVE **IN-BUILDING** FIRE HOSE OUTLET SPRINKLER FLOOR CONTROL VALVE **EVACUATION ROUTE** WARDEN STATION SPRINKLER OS&Y SECTION VALVE CONCRETE WALL STAIRWELL STANDPIPE ISOLATION VALVE FCC FIRE COMMAND STATION

3 WAY MANIFOLD

LEGEND:

FIRE PUMP/ JOCKEY PUMP

RELOCATION AREA **ELEVATOR CAR &** 

NUMBER DESIGNATION

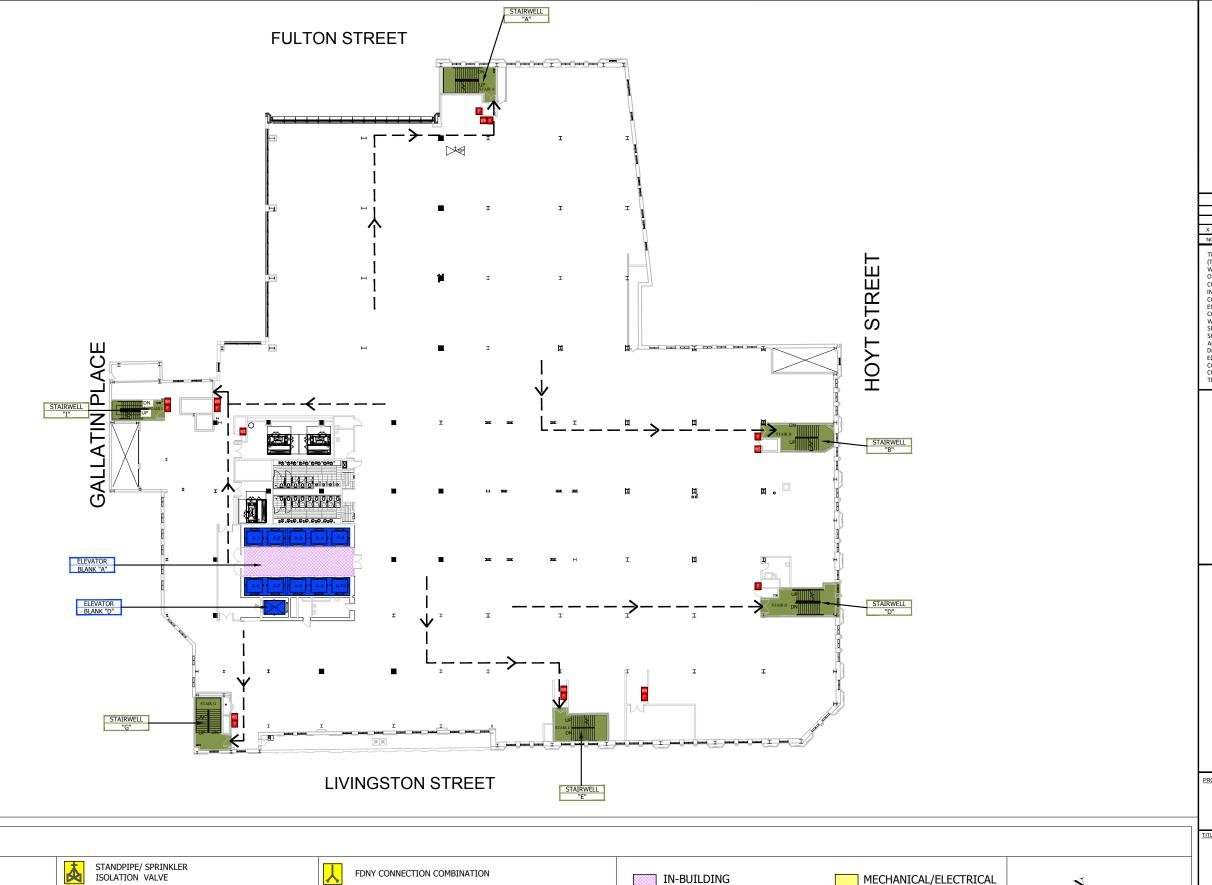
NO ACCESS STAIRWELL

MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

SPACES (MER)

CONVENIENCE/ ACCESS STAIRS



**EVACUATION ROUTE** 

CONCRETE WALL

RELOCATION AREA

**ELEVATOR CAR &** 

CONVENIENCE/ ACCESS STAIRS

STAIRWELL

NUMBER DESIGNATION

SPACES (MER)

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

AHJ STAMP

PROJECT NAME AND ADDRESS :

422 FULTON STREET BROOKLYN, NY 11216

TITLE :

7TH FLOOR PLAN

FDNY RECORD ID #:

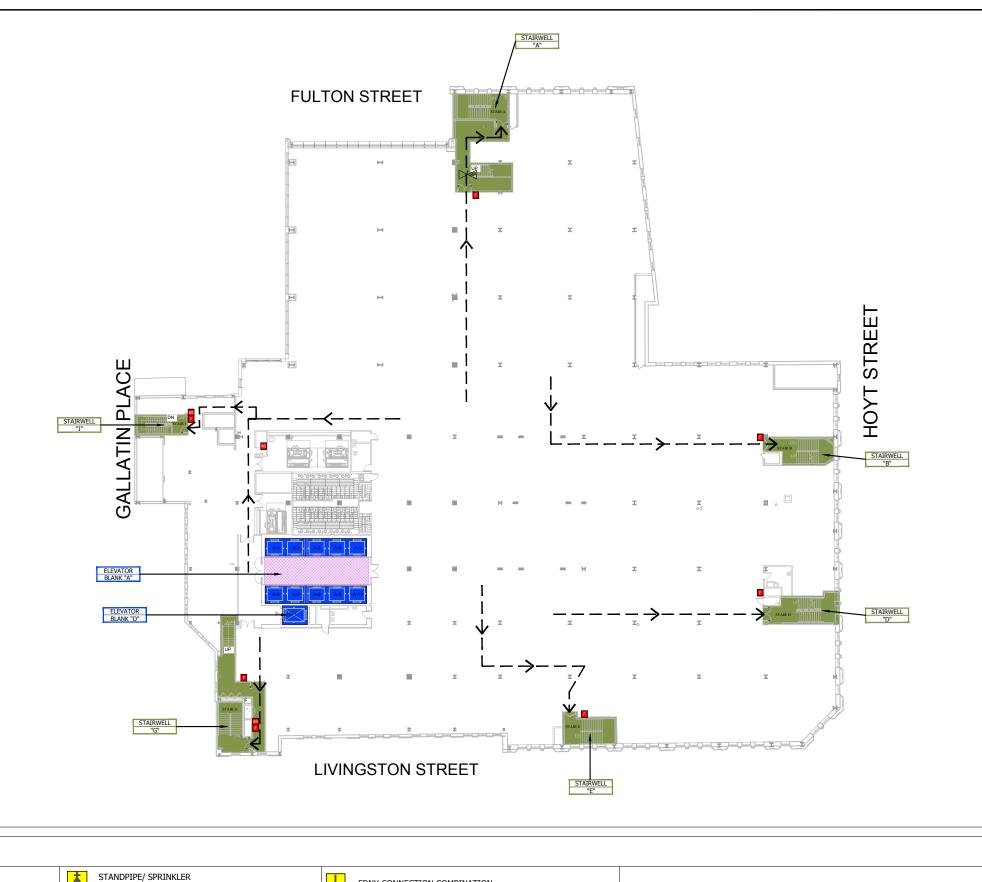
2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	
	1

FL-8

-8

SHEET:16OF 27



FDNY CONNECTION COMBINATION

CONCRETE WALL

**EVACUATION ROUTE** 

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

ISOLATION VALVE

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

8TH FLOOR PLAN

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

ACCESS STAIRS FL-9 FIRE PUMP/ JOCKEY PUMP 3 WAY MANIFOLD SHEET:17OF 27

**IN-BUILDING** 

RELOCATION AREA

ELEVATOR CAR & NUMBER DESIGNATION

CONVENIENCE/

STAIRWELL

MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

SPACES (MER)





120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

9TH FLOOR PLAN

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	
	I .

FL-10

SHEET:18OF 27

ELEVATOR CAR & NUMBER DESIGNATION ELEVATOR BLIND SHAFT WARDEN STATION SPRINKLER OS&Y SECTION VALVE CONCRETE WALL NO ACCESS STAIRWELL STAIRWELL STANDPIPE ISOLATION VALVE FIRE COMMAND STATION CONVENIENCE/ ACCESS STAIRS FIRE PUMP/ JOCKEY PUMP 3 WAY MANIFOLD

**IN-BUILDING** 

RELOCATION AREA

MECHANICAL/ELECTRICAL

SPACES (MER)

FDNY CONNECTION COMBINATION

EVACUATION ROUTE

LEGEND:

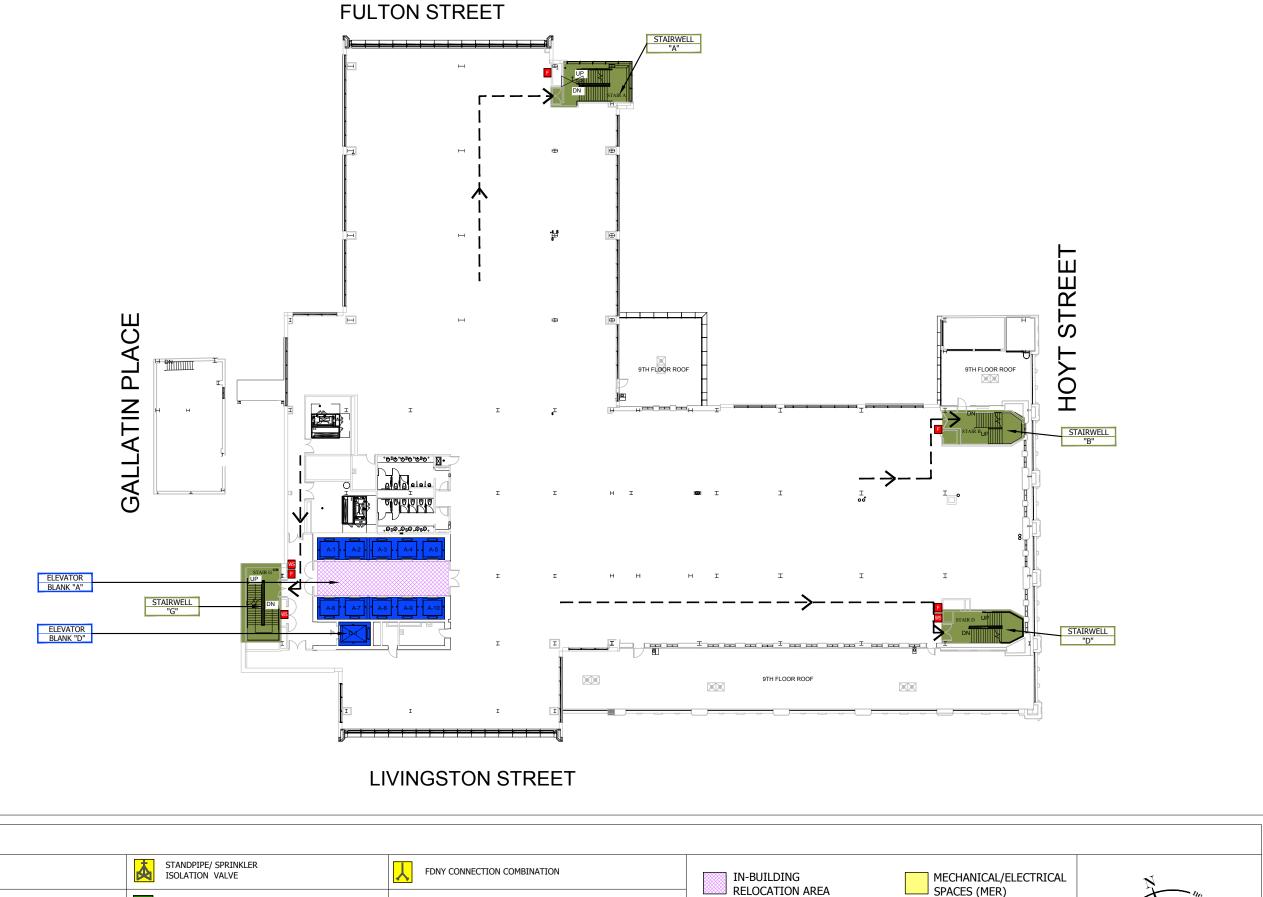
PULL STATION

FIRE HOSE OUTLET

STANDPIPE/ SPRINKLER

SPRINKLER FLOOR CONTROL VALVE

ISOLATION VALVE



ELEVATOR CAR & NUMBER DESIGNATION

CONVENIENCE/ ACCESS STAIRS

STAIRWELL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

**EVACUATION ROUTE** 

CONCRETE WALL

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXX
NO	DATE	DETAILO

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

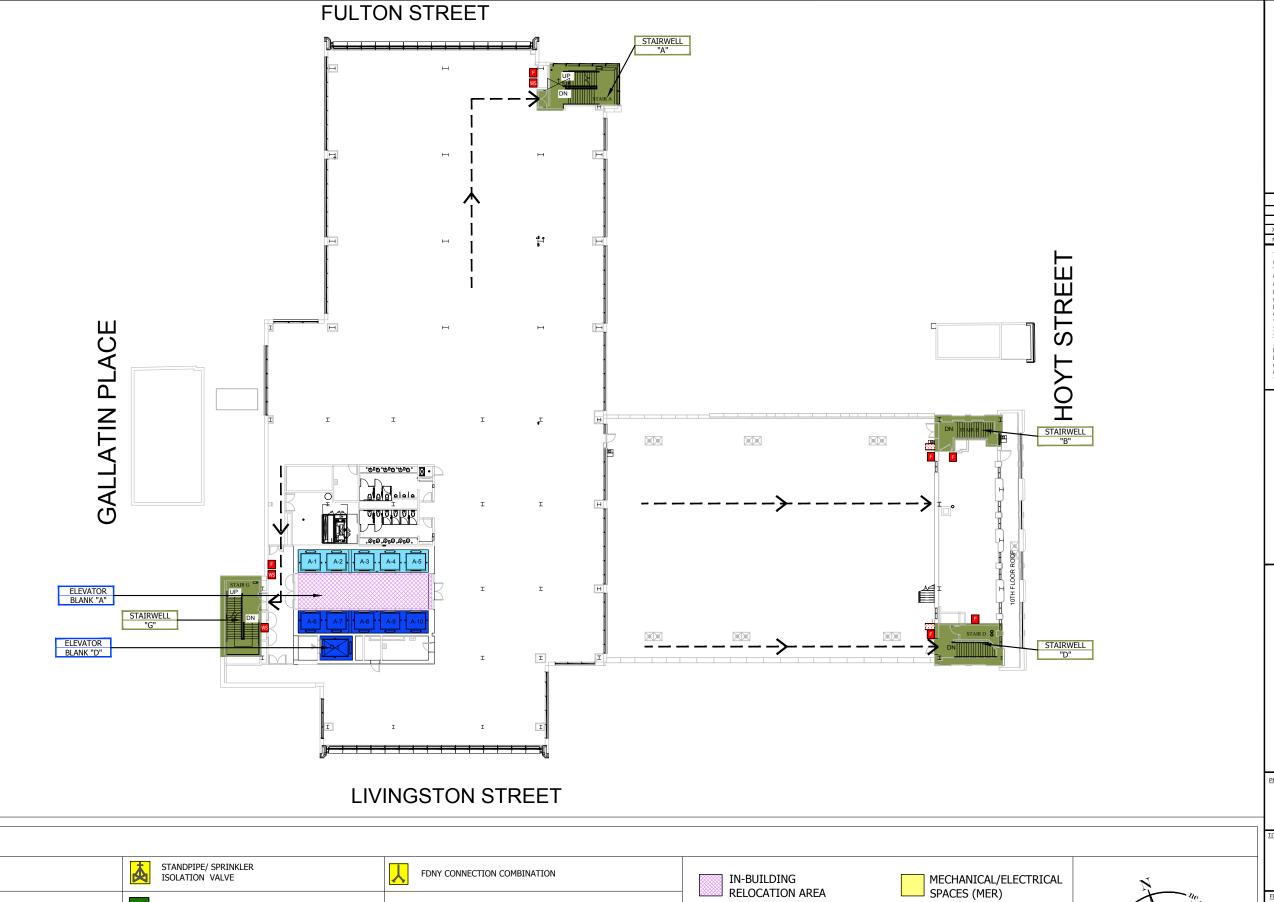
10TH FLOOR PLAN

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-11

SHEET:190F 27



ELEVATOR CAR & NUMBER DESIGNATION

CONVENIENCE/ ACCESS STAIRS

STAIRWELL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

EVACUATION ROUTE

CONCRETE WALL

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

3 WAY MANIFOLD



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

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	Х	XX-XX-XXXX	XXXXXXXXXXX
г	NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

11TH FLOOR PLAN

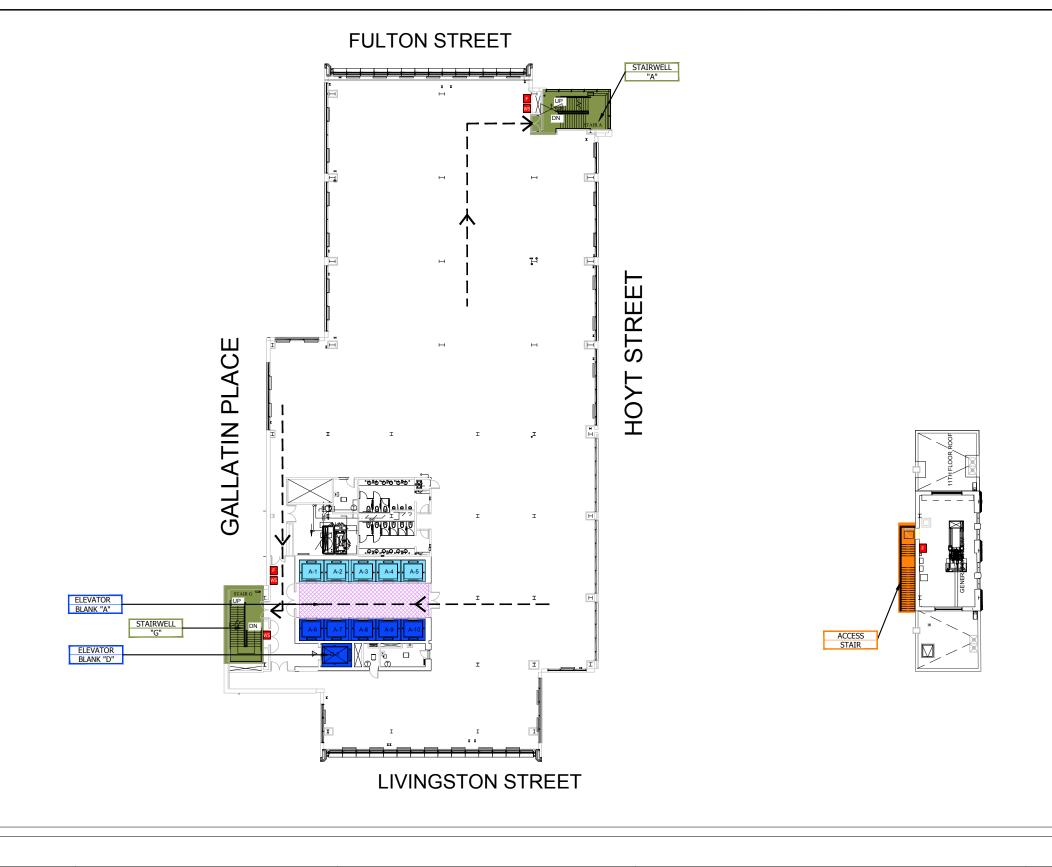
FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-12

SHEET:20OF 27



FDNY CONNECTION COMBINATION

CONCRETE WALL

EVACUATION ROUTE

IN-BUILDING

STAIRWELL

RELOCATION AREA

**ELEVATOR CAR &** 

CONVENIENCE/ ACCESS STAIRS

NUMBER DESIGNATION

MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

SPACES (MER)

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

STANDPIPE/ SPRINKLER

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

ISOLATION VALVE

3 WAY MANIFOLD



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

12TH FLOOR PLAN

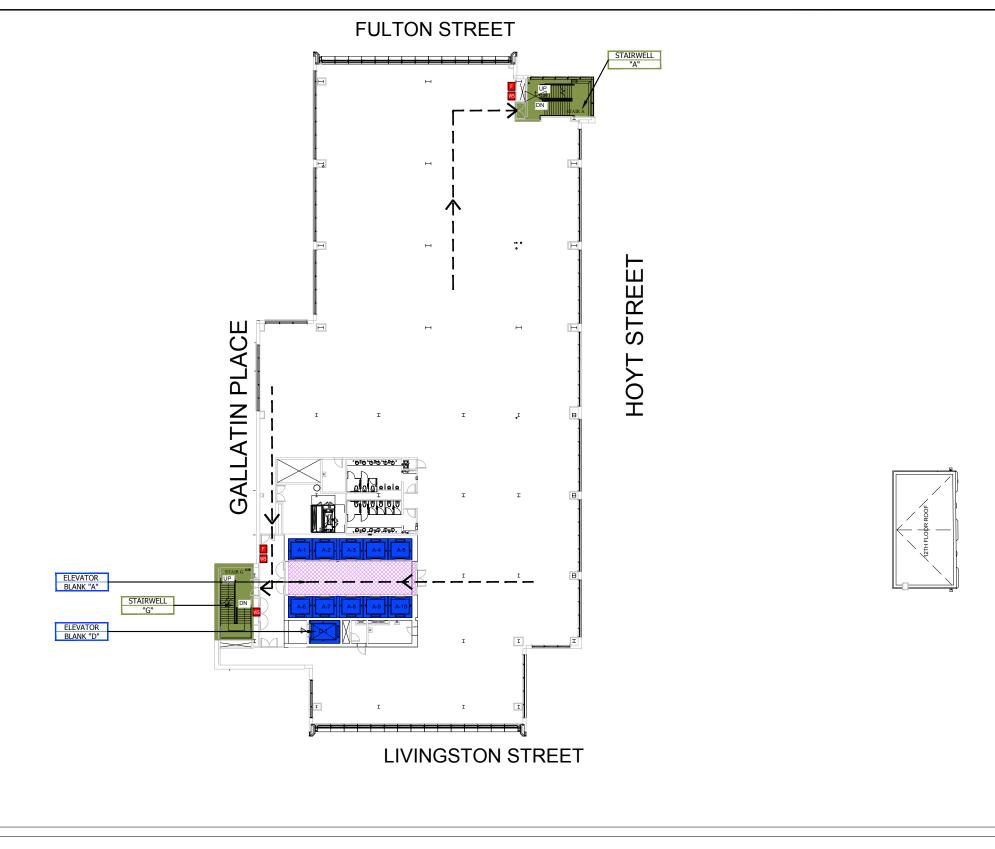
FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-13

SHEET:210F 27





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Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

13TH FLOOR PLAN

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

ATE:	07/13/2022
CE JOB NUMBER:	TISHAYK02
RAWING BY:	RAH
CHECK BY:	MMZ
CE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
RAWING NUMBER:	

FL-14

SHEET:220F 27

LEGEND: STANDPIPE/ SPRINKLER PULL STATION FDNY CONNECTION COMBINATION ISOLATION VALVE IN-BUILDING MECHANICAL/ELECTRICAL RELOCATION AREA SPACES (MER) FIRE HOSE OUTLET SPRINKLER FLOOR CONTROL VALVE **EVACUATION ROUTE ELEVATOR CAR &** ELEVATOR BLIND SHAFT NUMBER DESIGNATION WARDEN STATION SPRINKLER OS&Y SECTION VALVE

CONCRETE WALL STANDPIPE ISOLATION VALVE

FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

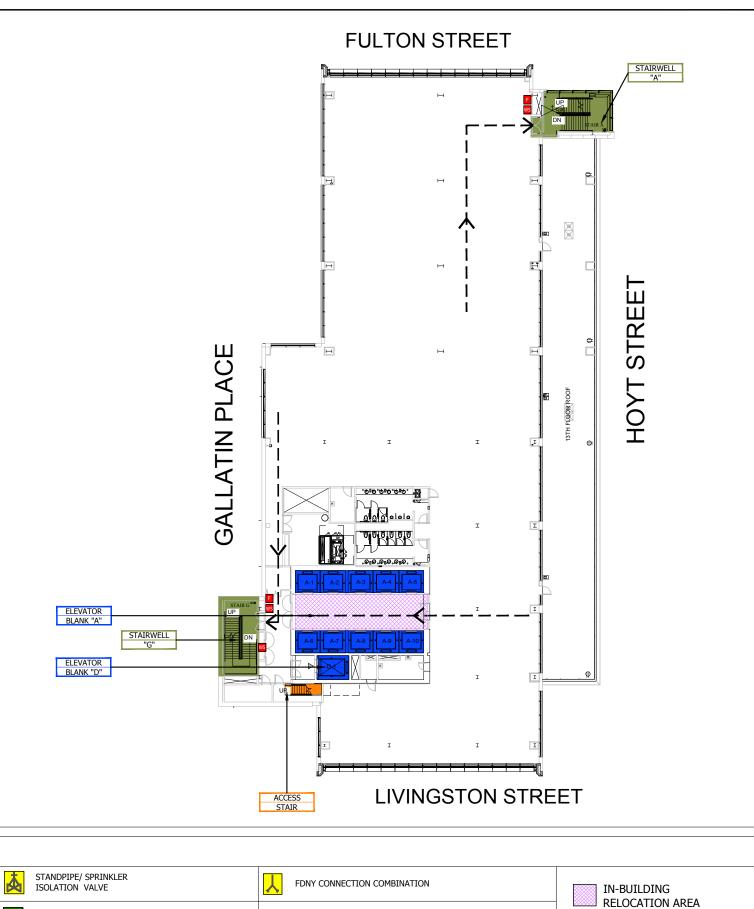
3 WAY MANIFOLD

STAIRWELL

CONVENIENCE/

NO ACCESS STAIRWELL

ACCESS STAIRS



**EVACUATION ROUTE** 

CONCRETE WALL

LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE



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Х	XX-XX-XXXX	XXXXXXXXXXXX
NO	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

SPACES (MER)

14TH FLOOR PLAN

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-15

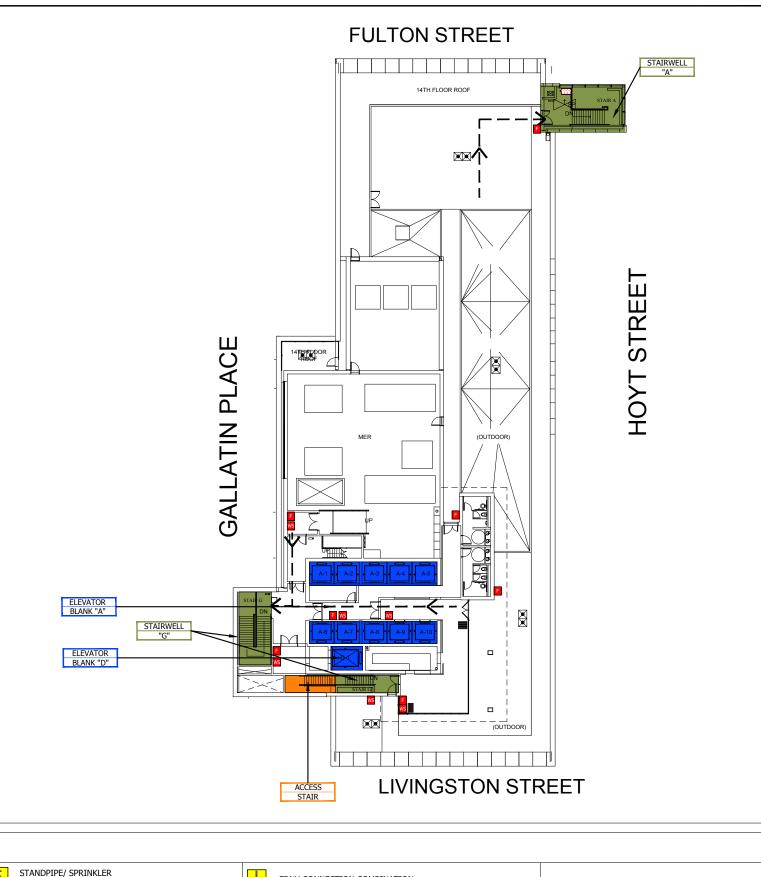
SHEET:230F 27

CONVENIENCE/ ACCESS STAIRS FIRE PUMP/ JOCKEY PUMP 3 WAY MANIFOLD

**ELEVATOR CAR &** 

STAIRWELL

NUMBER DESIGNATION





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Х	XX-XX-XXXX	XXXXXXXXXXX
NO	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

TITLE:

PENTHOUSE 1/MAIN ROOF

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-16

SHEET:24OF 27

LEGEND:

PULL STATION FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

FIRE PUMP/ JOCKEY PUMP

3 WAY MANIFOLD

ISOLATION VALVE

STANDPIPE ISOLATION VALVE

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

FDNY CONNECTION COMBINATION

CONCRETE WALL

**EVACUATION ROUTE** 

CONVENIENCE/ ACCESS STAIRS

STAIRWELL

IN-BUILDING

RELOCATION AREA

**ELEVATOR CAR &** 

NUMBER DESIGNATION

MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

SPACES (MER)

# **FULTON STREET** (OPEN TO BELOW) **GALLATIN PL** COOING COOING TOWER PH1 ROOF PH1 ROOF STAIRWELL "G" MER MER (OPEN TO

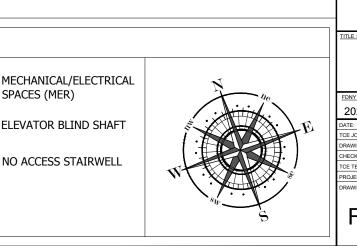
IN-BUILDING

RELOCATION AREA

SPACES (MER)



PH1 ROOF





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Х	XX-XX-XXXX	XXXXXXXXXXX
NO.	DATE	DETAILS

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CONTRACTOR(S)/VENDOR(S) SHALL CONFIRM ALL FIELD CONDITIONS
INCLUDING BUT NOT LIMITED TO LOCATION, DIMENSIONS, APPLICABLE
CODES FROM ALL AUTHORITIES HAVING JURISDICTION (AHI) AND LAWS
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WRITING. INSTALLATION OF ANY SCOPE INDICATED ON THE DRAWINGS
SHALL NOT COMMENCE UNTIL THE AHI APPROVES ANY AND ALL SCOPES
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DRAWINGS AND SHALL RETAIN ALL STATUTORY, COMMON LAWS,
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THIS PROJECT ONLY FOR THE WORK INDICATED ON THE DRAWINGS.

**SEAL & SIGNATURE** 

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

**422 FULTON STREET** BROOKLYN, NY 11216

PENTHOUSE 2

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

FL-17

SHEET:25OF 27

FIRE HOSE OUTLET SPRINKLER FLOOR CONTROL VALVE **EVACUATION ROUTE ELEVATOR CAR &** ELEVATOR BLIND SHAFT NUMBER DESIGNATION WARDEN STATION SPRINKLER OS&Y SECTION VALVE CONCRETE WALL NO ACCESS STAIRWELL STAIRWELL STANDPIPE ISOLATION VALVE FCC FIRE COMMAND STATION CONVENIENCE/ ACCESS STAIRS FIRE PUMP/ JOCKEY PUMP 3 WAY MANIFOLD

FDNY CONNECTION COMBINATION

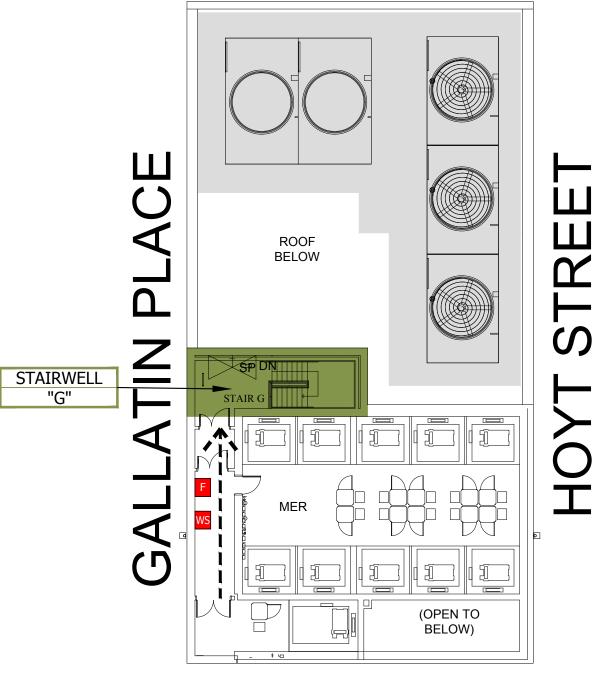
LEGEND:

PULL STATION

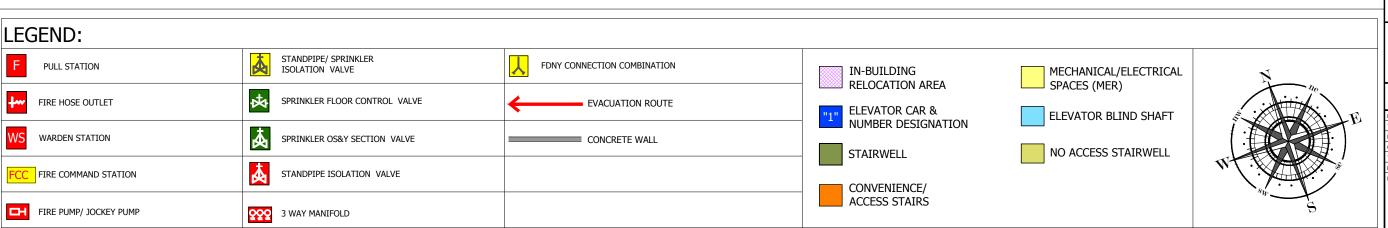
STANDPIPE/ SPRINKLER

ISOLATION VALVE

## **FULTON STREET**



## LIVINGSTON STREET





120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO.	DATE	DETAILS

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SEAL & SIGNATURE

**AHJ STAMP** 

PROJECT NAME AND ADDRESS :

422 FULTON STREET BROOKLYN, NY 11216

IIILE:

PENTHOUSE 3

FDNY RECORD ID #:

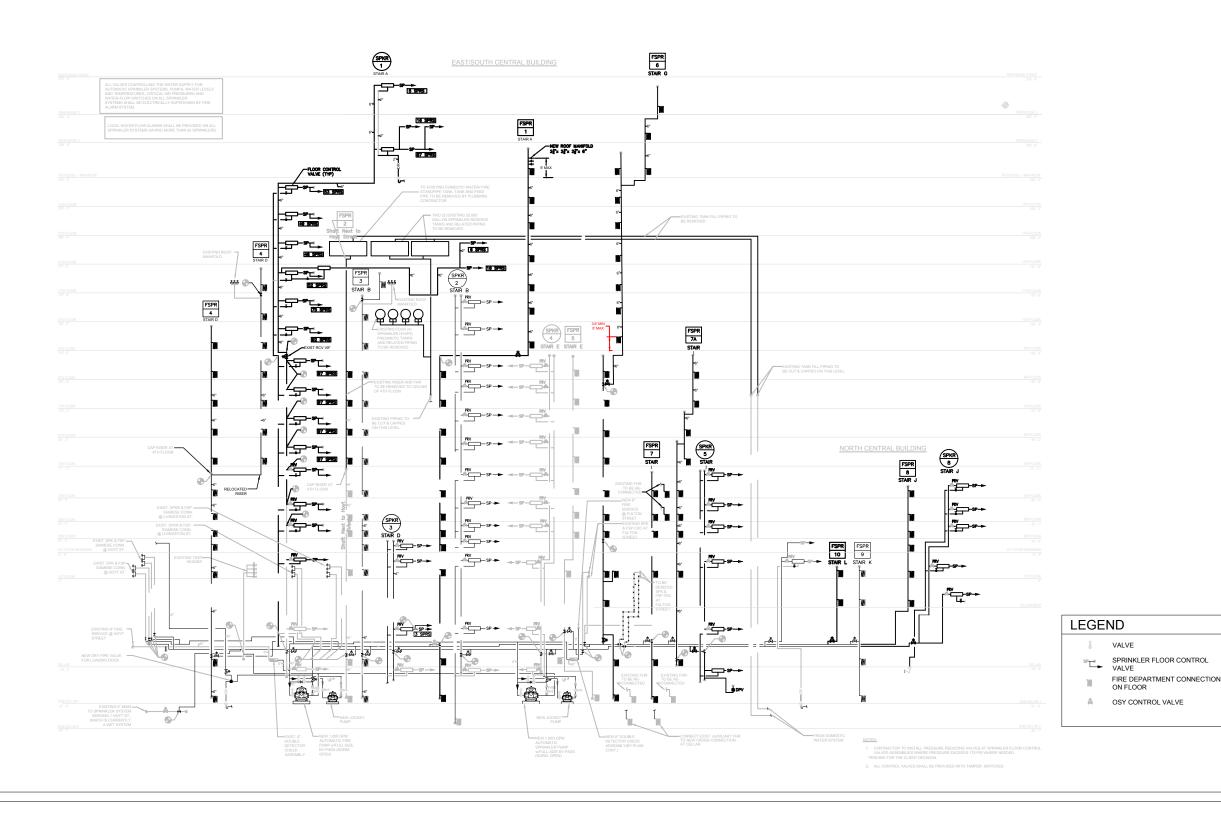
2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	
	I .

FL-18



SHEET:26OF 27



LEGEND:

PULL STATION

FIRE HOSE OUTLET

WARDEN STATION

FCC FIRE COMMAND STATION

STANDPIPE/ SPRINKLER

SPRINKLER FLOOR CONTROL VALVE

SPRINKLER OS&Y SECTION VALVE

STANDPIPE ISOLATION VALVE

ISOLATION VALVE



120 West 31<sup>st</sup> Street - 7TH FLOOR NEW YORK, N.Y. 10001 PHONE NO: (212) 444-8786 EMAIL: INFO@TOWERCE.COM WWW.TOWERCE.COM

Х	XX-XX-XXXX	XXXXXXXXXXXX
NO.	DATE	DETAILS

NO. DATE DETAILS

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**SEAL & SIGNATURE** 

**AHJ STAMP** 

**422 FULTON STREET** BROOKLYN, NY 11216

PROJECT NAME AND ADDRESS :

SPRINKLER/STANDPIPE RISER DIAGRAM

FDNY RECORD ID #:

2022-EPPGFS-XXXXXX-PLAN

DATE:	07/13/2022
TCE JOB NUMBER:	TISHAYK02
DRAWING BY:	RAH
CHECK BY:	MMZ
TCE TEAM LEAD:	GIK
PROJECT MANAGER:	ATY
DRAWING NUMBER:	

SHEET:27OF 27

R-1

CONVENIENCE/ ACCESS STAIRS FIRE PUMP/ JOCKEY PUMP 3 WAY MANIFOLD

**IN-BUILDING** 

STAIRWELL

RELOCATION AREA

ELEVATOR CAR & NUMBER DESIGNATION MECHANICAL/ELECTRICAL

ELEVATOR BLIND SHAFT

NO ACCESS STAIRWELL

SPACES (MER)

FDNY CONNECTION COMBINATION

CONCRETE WALL

**EVACUATION ROUTE** 

#### FIRE ALARM SYMBOL LIST SIGNAL INITIATING DEVICES & ACTIVATION SWITCHES CONTROL UNITS (PANELS) SYMBOLS FIRE ALARM CONTROL PANEL MANAL STATION - PLAL STATIONIPSE ALARM BOX XX DESISTS TYPE CO2 - CARRON DIDINGE DO - SHY CHEMICA. PLAN FARM FO - FOADM NO - WET DESIMAL CA - QUEAH AGENT IN - WET DESIMAL TO IN - WET DESI DGP FIRE ALARM DATA GATHERING PANEL TPR# FAA NAC FIRE ALARM ANNUNCIATOR NOTIFICATION CIRCUIT POWER BOOSTER PANEL BATT BATTERY CABINET EVAC VOICE EVACUATION CONTROL UNIT MIC REMOTE VOICE EVACUATION MICROPHONE GRAPHIC ANNUNCIATOR PANEL UNINTERRUPTIBLE POWER SUPPLY CRT ECCU EMERGENCY COMMUNICATIONS CONTROL UNIT HEAT DETECTOR/SENSOR (THERMAL DETECTION) ORIENTATION NOT TO BE CHANGED FRE SUPPRESSION CONTROL PANEL, "XX" DENOTES SUPPRESSION TYPE: PA = PRE-KCTION L = HALON CA = OLEM AGENT GAS FSCP XX HEAT DETECTOR/SENSOR, "XX DENOTES TYPE: RF = COMMUNITION ANT EOF RISERIZED TEMPERATURE RC = RATE COMPENSATION F = FIRED TEMPERATURE R = RATE OF HISE ORLY FIRE SUPPRESSION CONTROL UNIT, YOU DENOTES SUPPRESSION TYPE PA = PREACTION IA = PALENT CA = CLEWH AGENT GAS FSCU HEAT DETECTOR - LINE TYPE SMOKE DETECTIONS SMOKE, TWY DENOTES TYPE AS A RIS SAMPLING P = PROTOELECTING I = PROCEDURE SES = SINGLE STATION SES = SUNGLE STATION SES = SUNGLE STATION SES = SENGLE STATION SE REMOTE TRANSPONDER PANEL ©<sub>kx</sub> ACU AUTONOMOUS CONTROL UNIT ELEVATOR STATUS/RECAL DACT DIGITAL ALARM COMMUNICATOR TRANSMITTER SMOKE/HEAT DETECTOR/SENSOR COMBINATION POST-FIRE SMOKE PURGE PANEL SPRINKLER ALARM PANEL (S)<sub>err</sub> SMOKE DETECTOR/SENSOR - BEAM TRANSMITTER $\textcircled{S}_{BR}$ SMOKE DETECTOR/SENSOR - BEAM RECEIVER SCP FIREFIGHTER'S SMOKE CONTROL PANEL SMOKE DETECTION/SENSOR FOR DUCT GAS DETECTORISENSOR, XX\* DENOTES TYPE: CO = CARBON MONOXIDE CO2 = CARBON DIOXIDE HCL = HYDROGEN CHLORIDE CH4 = METHANE NOTIFICATION APPLIANCES SYMBOLS NOTIFICATION APPLIANCE SURSCRIPTS (DX) WE "WEATHERPROOF WO "WRICE OLD TOTAL UN ALDRESS STITMS L = LOW ALDRES STITMS C = CRIL NO MOUNT WE "WATTACE SETTING (In "SPEAKER TAP) P - PROGRES R = REMOTE PROCATOR R = REMOTE PROCATOR FLAME DETECTOR, 70/ DENOTES TYPE: UV = ULTRAVIOLET ID = NIERAGED. IR = NFRARED UVIR = COMBINATION ULTRAVIOLETINFRARED VR = VISIBLE RADIATION AF FLOW DETECTOR/SWITCH PRESSURE DETECTOR/SWITCH HORN ONLY C = CEILING MOUNT cH4 VS VALVE SUPERVISORY SMITCH LEVEL DETECTOR/SWITCH, 'XX' DENOTES TYPE: HI = HIGH LO = LOW LS<sub>XX</sub> c s BELL - SINGLE STROKE HT HIGH TEMPERATURE SWITCH Πb BELL - TROUBLE LOW TEMPERATURE SWITCH ▣ ADDRESSABLE INPUT MODULE $X_{co}$ ADDRESSABLE OUTPUT MODULE MSIBLE ONLY (STROBE) - CEILING MOUNT CD = CANDELA RATING/SETTING ADDRESSABLE INPUT/OUTPUT MODULE # DENOTES NUMBER OF INPUTS AND OUTPUTS

		F	RE AL	ARM	SYSTE	M OPE	RATIO	ON MA	TRIX	(EMER	GENC	Y VO				JNICA	TION S	SYSTE	M)									_
_													(	OUTPUT DE:	SCRIPTION													4
`		CONTROL UNIT ANNUNCIATION						NOTIFICATION								_	REQUIRED FIRE SAFETY CONTROL								4			
	SYSTEM OUTPUTS SYSTEM INPUTS	ACTUATEN SBLEALARM SIGNAL PROCATOR 2 VISUALLY ANALINCIATE THE DEVICE AT FOCHAID RENOTE ANALING ATORS	ACTUATEALDBLEALARMSIGNALATFOCANDREMOTE ANNUACIATORS	TUATE VISIBLE SUPERVISIORY SIGNAL INDICATOR & VISUALLY NUNCIATE THE DEVICE AT FOC. AND REMOTE ANAUNCIATORS.	TUATE AUDIBLE SU PERNISORY SIGNAL AT FCC AND REMOTE MUNCIATORS	ACTIANTE VISIBLE TROUBLE SIGNAL INDIGATOR & VISIMALIYANIANGATE THE DEVICE AT FCC AND REMOTE ANALINGATORS	ACTUATE AUDRILE TROUBLE STORALAT FOC AND REMOTE ANAUNCIATORS	PELAVIPRINT CHANGE OF STATUS AT FCC AND CHANGE OF ATUS AT REMOTE AVAINCIATORS	TNATE VISIBLEMLINELE DEVICES ON THE PRE PLOOR FLOOR OVE AND FLOOR BELOW, SOUND INDURY TONE ON ALLOTHER FORS FOLLOWED BY LIVE VOICE MESSAGNIN	TRANSAIT AUTOMATIC ALARIA SIGNALTO CENTRAL MONTORING STATION	RANSMT MAN UALALARM SIGNAL TO CENTRAL MONTORING TATION	TRANSAIT WATERLOW SIGNAL TO CENTRAL MONITORING STATION	TRANSANT SUPERVISORY SIGNAL, TO CENTRAL MONTORING STATION	ANSMITTROUBLE SIGNALTO CENTRAL MONITORINS STATION	LEASE ELEGIROMAGNETICALLY HELD DOORIS	RECALL ELEVATORS TO DESIGNATED LEVEL	CALL PREIGHT ELEVATORS TO DESIGNATED LEVEL, OPEN CAS OR AND REMOVE ELEVATOR POWER	LOCK FALSAFE DOORS	DPEN TUBNSTILEARMS	OPEN ASSOCIATED SMOKE VENT DAM PER OR SMOKE HATCH OR START EXHAUST FAN	SHUT DOWN ALL FANS 2000 CEM AND LARGER SERVING ALARIA RLOOR, SHUTDOWN ALL DAMPERS SERVING FLOORS VAH HRID- WRED COWNECTIONS TO AC UNIT CONTROLLER.	ESSURIZE STARMELLS	ESTABLISHES 2-WAY COMMUNICATION BETWEEN FIRE COMMAND STATION AND REMOTE 2-MAY VOICE COMMUNICATION DEMCE	ALLOW BAS POST-RRE SANDKE PU RGE PAWEL TO OPERATE POST- RRE SANCKE PURGE SYSTEM AND ASSOCIATED DAMPERS	TIATE ELEVATOR HOISTINAY PRESSU RIZATION SYSTEM Quence	ID OPERATION OF CENTRAL MONTORING STATION FIRE PARTMENT RELAYS	SHJT DOWN DIESEL GENERATOR FUEL OIL PUMPS	
No.	INPUT DESCRIPTION	F F	2.₹	O N	N VC	24 E	Q N F	S ST	H 28 K	ST, E	NE NE	¥ K	E IS	₽ M	Z H	22	P RE	3	B B	8 6	2 G R	E U	A 15	₹ £	SEOL	VOID	3	No.
1	MANUAL PLAL STATION	×	X					X	X		Y				X						X							1
-	AREA SMOKE DETECTOR	- X	x					X	x	×					x			×	X		x			1 -		1		2
3	ELEVATOR MACHINE ROOM SMOKE DETECTOR	X	×					X	X	l x					× .	X		X.	×	x	ı.				X	_	1	3
4	ELEVATOR SHAFT SMOKE DETECTOR	X	×					X	X	x						X		×	X	X	T -		1	1	X	1	1	4
5	ELEVATOR LOBBY SMOKE DETECTOR	X	x	i –				X	X	X					X	X		X	X	T	×			1	X	1	1	5
6	TOP OF STAIR SMOKE DETECTOR	X	×					X	X	X					X			×	X	Х	X			1		1		6
7	SMOKE DETECTOR AT THE ENTRANCE OF STAIRWELL	ı.	×	1				X	X	x					×			×	×	T	×	Х		1		1	1	7
8	DUCT SMOKE DETECTOR	X	×					X	X	X					X			×	x		x							8
9	AREA HEAT DETECTOR	x	×					X	X	X					X			×	X									9
10	ELEVATOR MACHINE ROOM HEAT DETECTOR	- 1	×					Х	X	X					X	Х	X	X	Х	Х	X				Х			10
11	ELEVATOR SHAFT HEAT DETECTOR	X	X					X	X	X						X	×	X	Х	X					×			- 11
12	GENERATOR ROOM AND FUEL OIL ROOM SMOKE AND/OR HEAT DETECTOR	X	×					Х	Х	Х			Х					×	X		X						Х	12
13	WATERFLOW	х	×					Х	Х			Х			Х	×		×	×		×			1		1		13
14	CARBON MONOXIDE DETECTOR			Х	X			Х					Х															14
15	SUBSYSTEM ALARM SIGNAL ACTUATION	Х	X					Х	Х	Х					X			х	X		X			1		1		15
16	SUBSYSTEM SUPERVISORY SIGNAL ACTUATION			X	X			X					Х															16
17	SUBSYSTEM TROUBLE SKINAL ACTUATION					Х	Х	Х						X														17
18	SPRINKLER CONTROL VALVE / TAMPER SWITCH			х	X			X					X															18
19	LOWINGH LEVEL/TEMPIPRESSURE SWITCHES			×	Х			X					Х											1	-	1	1	19
20	FIRE PUMP RUNNING			1	Х			Х					x											1		1		20
21	FIRE PUMP POWER FAILURE		-	Х	X			Х		-			x								-		_	-	-	-	_	21
22	FIRE PUMP PHASE REVERSAL			х	Х	$\vdash$	_	Х	_	_			Х			_		_		_		_	_	1	<u> </u>	_	-	22
23	FIRE ALARM AC FAILURE		-	-	<u> </u>	Х	X	Х	_	-		-	-	×		_	-	_		_	-	_	-	-	⊢	-	-	23
24	FIRE ALARM SYSTEM LOW BATTERY		_	-		Х	X	х	$\vdash$	_			$\vdash$	Х		_		_		—	_		-	-	1	-	+	24
25	OPERATION WIRING OR COMPONENT FAULT					Х	X	Х	_	_			$\vdash$	Х				_		_			_	1	<u> </u>	1		25
26	OPERATION OF DRILL KEY SWITCH AT FCC		-	X	X	-	<b>—</b>	X	$\vdash$	-		-	X			_		_		_	-	_	-	-	-	-	-	26
27	GENERATOR MONITORING DEVICES		-	Х	×		-	X	-	-		-	Х			_		_		-	-	-	-		-	-	-	27
28	ACTIVATION AT SMOKE CONTROL PANEL		-	- 1	X	-	<b>—</b>	X	-	-	-	-	X			-	-	-	-	-	-	-	-	-	-	-	1	28
29	ACTIVATION FREMANS 2642 KEY AT FCC	_	$\vdash$	1	X	-	-	X	$\vdash$	-	_	-	-			_				$\vdash$	$\vdash$	$\vdash$	-	X	$\vdash$	Х	-	29
30	ACTIVATION FIREMAN'S SERVICE KEY			×	X	1		X										X	X				1	1	1		+	30
31	2-WAY VOICE COMMUNICATION DEVICE ACTIVATION			X X	X			Y Y															Y.					

#### $\overline{\chi_{(E)}}$ $\chi_{(E)}$ $\chi_{(E)}$ $\chi_{(E)}$ $\chi_{(E)}$ $\chi_{(E)}$ $\chi_{(E)}$ $\chi_{(E)}$ $\chi_{(E)}$ $\chi_{(E)}$ (E) (H(E) (H(E) (H(E) SECURITY STATE OF THE PROPERTY WF (E) VS (E) VS (E) VS WE US E VS E VS ES PARTIAL FIRE ALARM RISER

Tower Consulting Engineers Review Comments:

07/18/2022

COMBINATION HORN/MSIBLE CD = CANDELA RATING/SETTING C = CEILING MOUNT

REMOTE ALARM INDICATING AND TEST SWITCH

INTEGRATED SMOKE SENSOR AND DOOR CLOSER

BASE BUILDING FIRE ALARM SYSTEM FILED UNDER DOB APPLICATION#: 121275574

COMBINATION SPEAKER/VISIBLE CD = CANDELA RATING/SETTING C = CELLING MOUNT

REMOTE INDICATOR - CEILING MOUNT

DOOR HOLDER

END OF LINE RESISTOR

JUNCTION BOX AIR SAMPLING DETECTOR PIPING (E.G. VESDA)

ISOLATOR MODULE (STYLE 6 OR 7 FAULT PROTECTION)

<sup>∞</sup>▼.

°.▼.

DCL

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ISO

RELATED EQUIPMENT DH

FIRE ALARM RISER DIAGRAM NOTES:

THE IS NOT A POINT FOR HIS MEDICAGONAL USE THE SUBSTANCE ESTIMATION PURPOSES ONLY, PRIOR TO STARTING ANY WORK, A WORKING PRIOR THE POINT WIRTH CARRY WORK A WORKING PRIOR PLACE ON THE POINT WIRTH CARRY WORKING WORK A WORKING PRIOR PRIOR TO ACCOUNT WORKING WHILE WORKING THE WAR WORKING WHILE COORDINATE WIRTH WIRE AUAMOUSTICES. CONTRACTOR SHILL COORDINATE WIRTH BUILDING THE WARRY WORKING TO THE PRIOR.

 CONNECT ALL STROBE AND COMBINATION SPEAKER/STROBE LIGHT UNITS TO (TWO) ALTERNATE ZONES AND SHALL BE SYNCHROWIZED. COORDINATE WITH ARCHITECT FOR EXACT MOUNTING LOCATIONS. THIS RISER DOES NOT SHOW ALL EXISTING BASE BUILDING FRE ALARM DEVICES. THESE EXISTING DEVICES SHALL REMAIN INTACTUMESS OTHERMISE NOTED.

SEE FIRE ALARM FLOOR PLAN FOR EXACT QUARTITY OF FIRE ALARM DEVICES. WHERE DISOREPANCIES ARE INDICATED FOR QUARTITIES ASSUME THE GREATER COUNT IN BID DOCUMENTS.

- MANY TO A CONTROLLED AND A CONTROLLED

Location	Average Ambient Sound Level (dBA)	Design Goal (dBA)
Business Occupancies	55	MIN. 70
Educational Occupancies	45	MIN. 60
Industrial Occupancies	80	MIN. 95
Institutional Occupancies	50	MIN. 65
Mercantile Occupancies	40	MIN. 55
Mechanical Rooms	85	MIN. 100
Places of Assembly	55	MIN. 70
Residential Occupancies	35	MIN. 75
Storage Occupancies	30	MIN, 45

PROVIDE ADDITIONAL BOOSTER PANELS AS REQUIRED, PROVIDE ALL REQUIRED STROBE CIRCUIT LOOPS.

#### NEW YORK CITY BUILDING DEPARTMENT NOTES

THE REPLAINANT WIND ALL DECORRESS CONTINUES OF THE RESPONSATION OF CONTINUES OF A CONTINUES OF THE RELATIONS OF THE RESPONSATION OF THE RELATIONS OF THE RESPONSATION OF THE RESPONSATION

STROBE LIGHT SHALL BE APPROVED TO MEET CURRENT AMERICANS WITH DISABILITIES AGT (A.D.A.) AND APPENDIX TO OF 2008 MIC BUILDING CODE.

ALL FIXE ALAPM CONTROL PANELS SHALL BE MOUNTED WITH 3 FRET CLEARANCE FOR TESTING AND OBSERVATION. TOP OF THE PANEL SHALL BE AT 5 - 6". ALL EXISTING FIRE ALARMECULPHENT NO LONGER USED SHALL BE REMOVED UPON APPROVAL OF THE

NEW STITLS.

OR ODDITIONS OF WITHOUT THE THE AMMINIST, ANY PRE-MICE OPENING IN THE TOF OF THE PANEL, AND PANEL ARE ADMINISTRATION OF THE PANEL AND ADMINISTRATION OF THE AMMINISTRATION OF THE HOST OF THE HOST OF THE AMMINISTRATION OF THE HOST OF THE HOST

#### FDNY RECORD ID#: 2022-TMFALM-XX3956-PLAN

△ Date Description

92/08/22 ISSUED FOR DD PROGRESS #2 922/3/22 ISSUED FOR DD PROGRESS #3 93/15/22 ISSUED FOR 100% DD 94/04/22 ISSUED FOR BID 94/96/22 ISSUED FOR BID 96/10/22 ISSUED FOR ONSTRUCTION

TURNER

66 Hudson Boulevard East New York, NY 10001

Gensler 1700 Broadway Suite 400 New York, NY 10019 United States

LUMEN ARCHITECTURE LIGHTING DESIGNER 108 EAST 16TH ST, #602

CONSTRUCTION

#### FIRE ALARM GENERAL NOTES:

- PRIOR TO BIO, CONTRACTOR SHALL CONTACT THE BUILD NO FIRE ALARM MAINTENANCE VENDOR AND OBTAIN PRICING FOR THE EQUIPMENT AND SERVICES LISTED BELOW WHICH MUST BE PROVIDED BY THAT CONTRACTOR. ALL EQUIPMENT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AND SHALL BE PURCHASED FROM THE BUILDING FIRE ALARM MAINTENANCE CONTRACTOR TO ASSURE COMPATIBILITY WITH EXISTING FIRE ALARM SYSTEM.
- REPROGRAMMING OF FIRE ALARM CONTROL PANEL AND FINAL CONNECTIONS AT THE FIRE ALARM CONTROL PANEL.
   GATHERING PANELS ARE BY BUILDINGS FIRE ALARMMANT EMANCE CONTRACTOR, INCLUDE VENDOR COST IN BID PRICE.
- INSTALL FIRE ALARM EQUIPMENT, HER ALARM SPEAKERS AND STROBE LIGHTS (ADA TYPE, 75 CANDELS) UNITS AT LOCATION PACIATED ON THE PLAN.
- S. THE ALARM RECESSED CELLING MOUNTED SPEAKERS AND WALL MOUNTED STROBE LIGHT UNITS OR COMBINATION HORMSTROBE UNITS OFFICE BEASE MALDING TYPE.
- EXISTING BUILDING SYSTEMS ARE NOT SHOWN (UNLESS THEY ARE PART OF NEW INSTALLATIONS) AND SHALL REMAIN INTACT.
- OBTAIN PERMISSION FROM COLLAWBIA FACILITIES PRIOR TO RUNNING WIRE FROM NEW FIRE ALARM DEVICES TO EXISTING FIRE COMMAND STATION OR DATA GATHERING PANELS.
- COMMAND STRIPM OF DATA OFFICERED FOREST.

  A RESOURCE OF THE COMMAND STRIPM OF DATA CHEFFER FAMES (DOS) SHALL BE EFFICITED AND

  15. THE PARTIE, HER ALMARISATED ROADINGS SOURCE AND ROADING OF THE STORM ROCKEY ON DEVELOP AND THE STRIPM OF THE

- THE STATE AUTHORITIES, MANAGEM, AUTHORITIES AND DISCIDENTIFICES.

  JE ELECTRÍCAG, CONTROTOS PRALLI, NEUER, AL EFEE, COSTE, EFE, FOR RÍMINO ALI REQUÍRED FORMS AND DRAWINOS FOR THE REW YORK CITT DELIGIBLO DEPARTMENT, APROVALS, FINAL CONNECTIONS, SYSTEM PROCRAMINO, PRE-TESTINO AND RECEPRATIVANT ESTRICA AND GREGORISMO.

  13. SPEAKERS AND STROBES SHALL BE MIREO ON ALTERNATING CIRCUITS IN ALL ARRAS.
- 14. ALL SMOKE AND COMBINATION FREISMOKE DAMPERS SHALL BE PROVIDED WITH A REMOTE LAWP INDICATOR, PROVIDE ALL NECESSARY CONTROL & MONITOR MODULES, AND RELAYS TO PROVIDE PROPER OPERATION OF FIRE SMOKE DAMPERS.
- IS. WHERE (2) STROBES ARE VISIBLE TO A SPECIFIC LOCATION, THEY MUST BE SYNCHRONIZED, PROVIDE SYNCHRONIZATION MODULES AS REQUIRED.

FIRE ALA	RM DRAWING LIST
DRAWING No.	DRAWING TITLE
FA-000.00	FIRE ALARM COVER SHEET
FA-100.00	FIRE ALARM 35TH FLOOR PLAN

Seal / Signature
Project Name
TURNER CONSTRUCTION
İ
Project Number
21016-01

FA-000.00

FIRE ALARM COVER SHEET

## Label Men's Bathroom 0000 (E) (E) (E) (F) (H) (E) VS(e) CATERING MEETING 35K30 (S)(E) $\textcircled{S}_{(E)}$ (S)(E) (S)(E) (S)(E) (S)(E)(S)(E) OFFICE OFFICE OFFICE HACOLE OFFICE OF OFFICE OFFICE OFFICE OFFICE MIXOUL OFFICE PUD FRICE OFFICE OFFI Existing within Staircase Enclosures

### **TURNER** CONSTRUCTION

66 Hudson Boulevard East New York, NY 10001

#### Gensler

1700 Broadway Suite 400 New York, NY 10019 United States

LUMEN ARCHITECTURE LIGHTING DESIGNER 108 EAST 16TH ST, #602 Tel 212.564.6469

02/08/22 ISSUED FOR DD PROGRESS #2
02/23/22 ISSUED FOR DD PROGRESS #3
03/15/22 ISSUED FOR 100% DD
04/04/22 ISSUED FOR FILING
04/04/22 ISSUED FOR FILING
04/04/22 ISSUED FOR BID
06/10/22 ISSUED FOR BID
06/10/22 ISSUE FOR CONSTRUCTION

Seal / Signature

TURNER CONSTRUCTION

21016-01

FIRE ALARM 35TH FLOOR PLAN

FA-100.00

### Label Men's Bathroom WELLNESS WELLNESS QUIET CAR ROOM ROOM 36020 36020 36020 **7.4.8.8** <u>en en</u> 60 60 0 0 el el VS(6) 0 10 (S)(E) $(S)_{(E)}$ 0.0 е е BD BINDING ROOM 36128 0 0 S<sub>(E)</sub> Label All Rooms Mechanical Room er er er 60 60 0; X OL OL OL 91 91 5 5 5 6 PHONE PHONE 36D29

### **TURNER** CONSTRUCTION

66 Hudson Boulevard East New York, NY 10001

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TURNER CONSTRUCTION

21016-01

FIRE ALARM 36TH FLOOR PLAN

FA-101.00