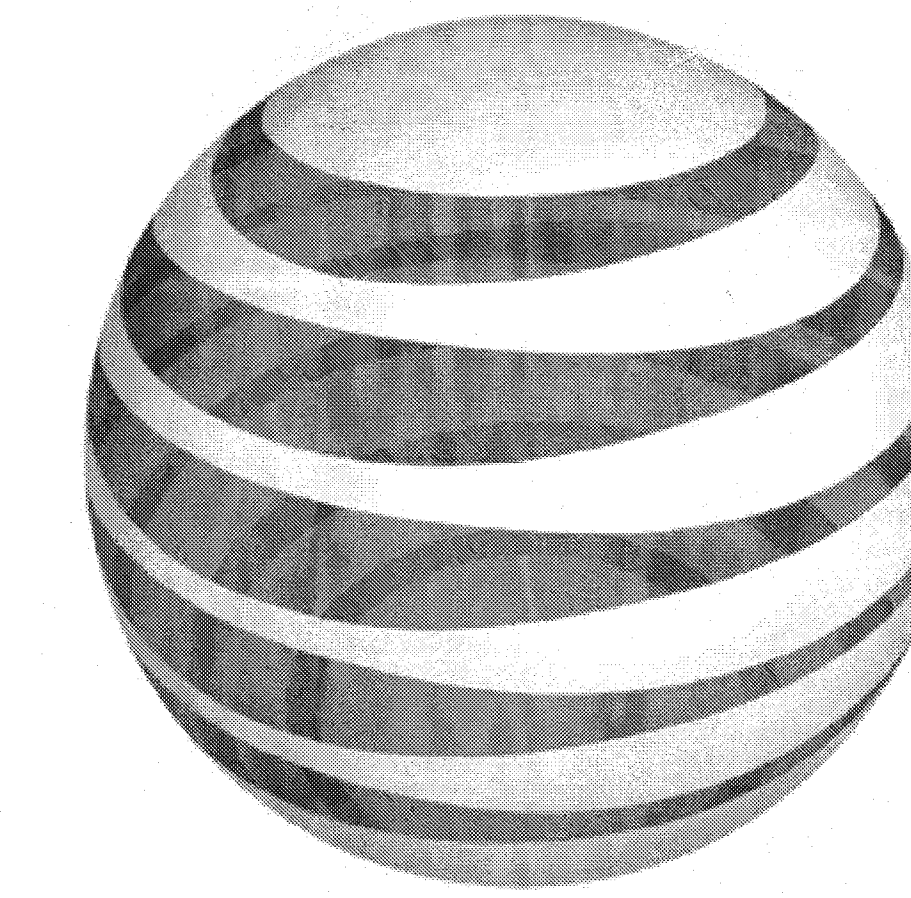


LL26 SPRINKLER DISTRIBUTION

for

AT&T

33 THOMAS STREET
NEW YORK, NY



at&t



Project Site Map

NTS

*PROPERTY IS NOT IN SFHA, REFER TO G-002 FOR FEMA MAPS #3604970184G AND #3604970184F

DRAWING LIST

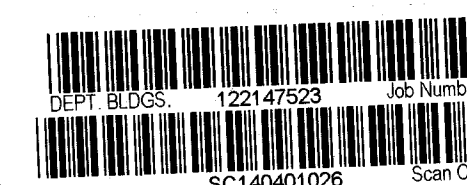
DWG. NO.	DRAWING NAME	DATE ISSUED	LATEST REVISION DATE	LATEST REVISION NUMBER
GENERAL				
1.	G-001.00 COVER SHEET AND DRAWING LIST	9-26-14		
2.	G-002.00 LL26 VARIANCE LETTER & FEMA FLOOD INSURANCE RATE MAPS	9-26-14		
ARCHITECTURAL				
3.	A-099.00 BASEMENT 'C' FLOOR PLAN	9-26-14		
4.	A-098.00 BASEMENT 'B' FLOOR PLAN	9-26-14		
5.	A-097.00 BASEMENT 'A' FLOOR PLAN	9-26-14		
6.	A-101.00 1ST FLOOR PLAN	9-26-14		
7.	A-102.00 2ND FLOOR PLAN	9-26-14		
8.	A-103.00 3RD FLOOR PLAN	9-26-14		
9.	A-104.00 4TH FLOOR PLAN	9-26-14		
10.	A-106.00 6TH FLOOR PLAN	9-26-14		
11.	A-107.00 7TH FLOOR PLAN	9-26-14		
12.	A-108.00 8TH FLOOR PLAN	9-26-14		
13.	A-110.00 10TH FLOOR AND MEZZANINE PLAN	9-26-14		
14.	A-111.00 11TH FLOOR PLAN	9-26-14		
15.	A-112.00 12TH FLOOR PLAN	9-26-14		
16.	A-113.00 13TH FLOOR PLAN	9-26-14		
17.	A-114.00 14TH FLOOR PLAN	9-26-14		
18.	A-115.00 15TH FLOOR PLAN	9-26-14		
19.	A-116.00 16TH FLOOR PLAN	9-26-14		
20.	A-117.00 17TH FLOOR PLAN	9-26-14		
21.	A-118.00 18TH FLOOR PLAN	9-26-14		
22.	A-119.00 19TH FLOOR PLAN	9-26-14		
23.	A-120.00 20TH FLOOR PLAN	9-26-14		
24.	A-121.00 21ST FLOOR PLAN	9-26-14		
25.	A-122.00 22ND FLOOR PLAN	9-26-14		
26.	A-123.00 23RD FLOOR PLAN	9-26-14		
27.	A-124.00 24TH FLOOR PLAN	9-26-14		
28.	A-127.00 27TH FLOOR PLAN	9-26-14		
29.	A-128.00 28TH FLOOR PLAN	9-26-14		
30.	A-129.00 29TH FLOOR AND MEZZANINE PLAN	9-26-14		
ELECTRICAL				
60.	FA-001.00 PRE-ACTION SYMBOL LIST, ABBREVIATIONS & NOTES	9-26-14		
61.	FA-002.00 PRE-ACTION SPECIFICATIONS	9-26-14		
62.	FA-297.00 BASEMENT A PRE-ACTION PLAN	9-26-14		
62.	FA-201.00 1ST FLOOR PRE-ACTION PLAN	9-26-14		
62.	FA-202.00 2ND FLOOR PRE-ACTION PLAN	9-26-14		
62.	FA-203.00 3RD FLOOR PRE-ACTION PLAN	9-26-14		
62.	FA-204.00 4TH FLOOR PRE-ACTION PLAN	9-26-14		
63.	FA-206.00 6TH FLOOR PRE-ACTION PLAN	9-26-14		
64.	FA-207.00 7TH FLOOR PRE-ACTION PLAN	9-26-14		
65.	FA-208.00 8TH FLOOR PRE-ACTION PLAN	9-26-14		

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66.	FA-210.00 10TH FLOOR AND MEZZ. PRE-ACTION PLAN	9-26-14		
67.	FA-211.00 11TH FLOOR PRE-ACTION PLAN	9-26-14		
68.	FA-212.00 12TH FLOOR PRE-ACTION PLAN	9-26-14		
69.	FA-213.00 13TH FLOOR PRE-ACTION PLAN	9-26-14		
70.	FA-214.00 14TH FLOOR PRE-ACTION PLAN	9-26-14		
71.	FA-215.00 15TH FLOOR PRE-ACTION PLAN	9-26-14		
72.	FA-216.00 16TH FLOOR PRE-ACTION PLAN	9-26-14		
73.	FA-217.00 17TH FLOOR PRE-ACTION PLAN	9-26-14		
74.	FA-218.00 18TH FLOOR PRE-ACTION PLAN	9-26-14		
75.	FA-219.00 19TH FLOOR PRE-ACTION PLAN	9-26-14		
76.	FA-220.00 20TH FLOOR PRE-ACTION PLAN	9-26-14		
77.	FA-221.00 21ST FLOOR PRE-ACTION PLAN	9-26-14		
77.	FA-222.00 22ND FLOOR PRE-ACTION PLAN	9-26-14		
77.	FA-223.00 23RD FLOOR PRE-ACTION PLAN	9-26-14		
77.	FA-224.00 24TH FLOOR PRE-ACTION PLAN	9-26-14		
78.	FA-227.00 27TH FLOOR PRE-ACTION PLAN	9-26-14		
79.	FA-228.00 28TH FLOOR PRE-ACTION PLAN	9-26-14		
80.	FA-229.00 29TH FLOOR, MEZZ. AND ROOF PRE-ACTION PLAN	9-26-14		
81.	FA-497.00 BASEMENT A PRE-ACTION RISER DIAGRAM	9-26-14		
82.	FA-401.00 1ST FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
83.	FA-402.00 2ND FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
84.	FA-403.00 3RD FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
85.	FA-404.00 4TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
86.	FA-406.00 6TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
87.	FA-407.00 7TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
88.	FA-408.00 8TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
89.	FA-410.00 10TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
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91.	FA-412.00 12TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
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94.	FA-415.00 15TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
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96.	FA-417.00 17TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
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103.	FA-424.00 24TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
104.	FA-427.00 27TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
105.	FA-428.00 28TH FLOOR PRE-ACTION RISER DIAGRAM	9-26-14		
106.	FA-429.00 29TH FLOOR, MEZZ. AND ROOF PRE-ACTION RISER DIAGRAM	9-26-14		

DRAWING LIST

DWG. NO.	DRAWING NAME	DATE ISSUED	LATEST REVISION DATE	LATEST REVISION NUMBER
FIRE PROTECTION				
107.	SP-001.00 SPRINKLER NOTES, SYMBOLS & DRAWING LIST	9-26-14		
108.	SP-199.00 SPRINKLER BASEMENT 'C' PLAN	9-26-14		
109.	SP-198.00 SPRINKLER BASEMENT 'B' PLAN	9-26-14		
110.	SP-197.00 SPRINKLER BASEMENT 'A' PLAN	9-26-14		
111.	SP-101.00 SPRINKLER 1ST FLOOR PLAN	9-26-14		
112.	SP-102.00 SPRINKLER 2ND FLOOR PLAN	9-26-14		
113.	SP-103.00 SPRINKLER 3RD FLOOR PLAN	9-26-14		
114.	SP-104.00 SPRINKLER 4TH FLOOR PLAN	9-26-14		
115.	SP-106.00 SPRINKLER 6TH FLOOR PLAN	9-26-14		
116.	SP-107.00 SPRINKLER 7TH FLOOR PLAN	9-26-14		
117.	SP-108.00 SPRINKLER 8TH FLOOR PLAN	9-26-14		
118.	SP-110.00 SPRINKLER 10TH FLOOR AND MEZZ. PLAN	9-26-14		
119.	SP-111.00 SPRINKLER 11TH FLOOR PLAN	9-26-14		
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123.	SP-115.00 SPRINKLER 15TH FLOOR PLAN	9-26-14		
124.	SP-116.00 SPRINKLER 16TH FLOOR PLAN	9-26-14		
125.	SP-117.00 SPRINKLER 17TH FLOOR PLAN	9-26-14		
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127.	SP-119.00 SPRINKLER 19TH FLOOR PLAN	9-26-14		
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131.	SP-123.00 SPRINKLER 23RD FLOOR PLAN	9-26-14		
132.	SP-124.00 SPRINKLER 24TH FLOOR PLAN	9-26-14		
133.	SP-127.00 SPRINKLER 27TH FLOOR PLAN	9-26-14		
134.	SP-128.00 SPRINKLER 28TH FLOOR PLAN	9-26-14		
135.	SP-129.00 SPRINKLER 29TH FLOOR, MEZZ. AND ROOF PLAN	9-26-14		
136.	SP-301.00 SPRINKLER RISER DIAGRAM	9-26-14		
137.	SP-401.00 SPRINKLER DETAILS AND SCHEDULES	9-26-14		



Building Department Submission
September 26, 2014

CMC Project No.: 4806-43

MEP:

Cosentini
MISSION CRITICAL
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121
TEL: (212) 615-3600 FAX: (212) 615-3700

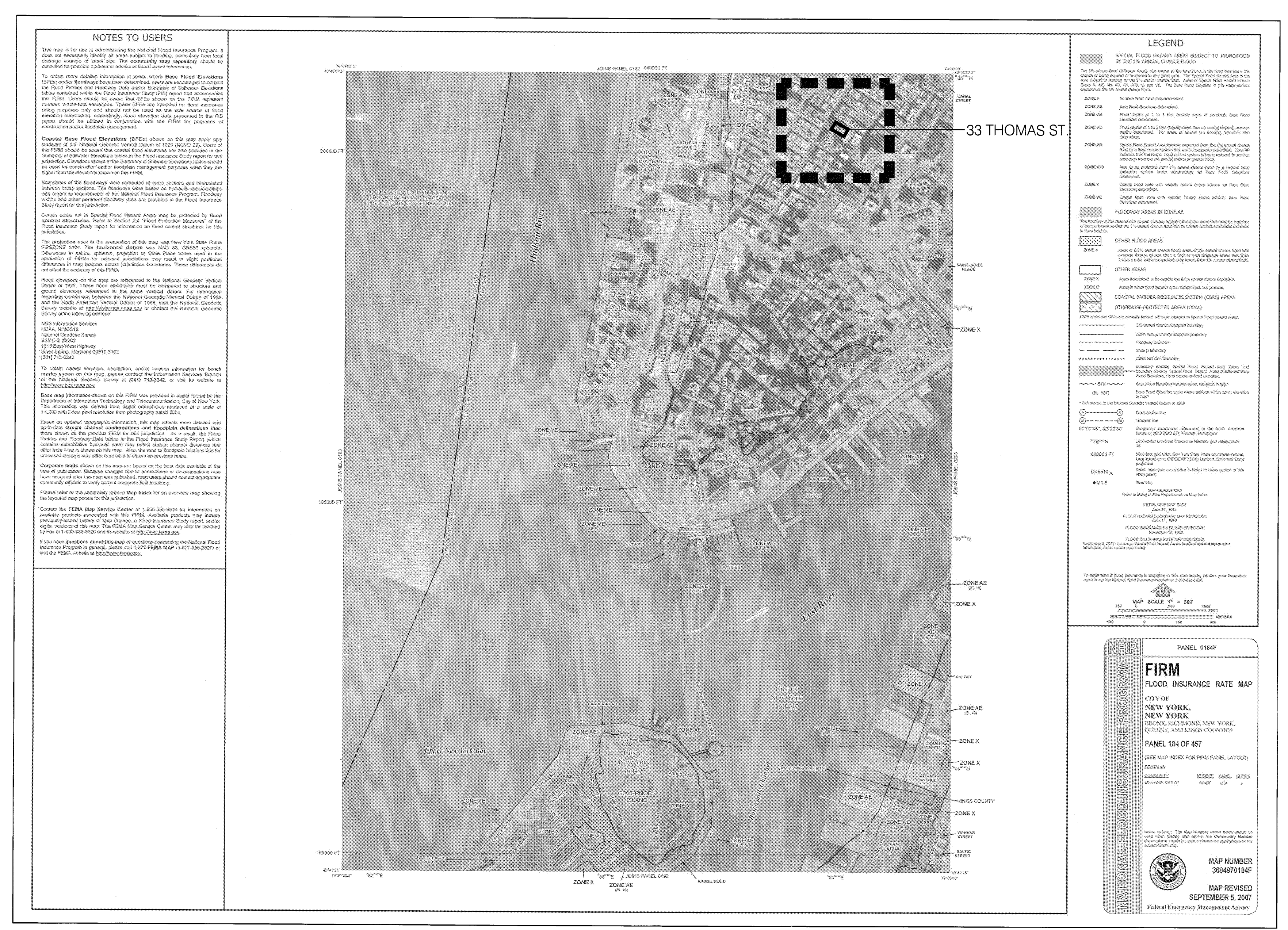
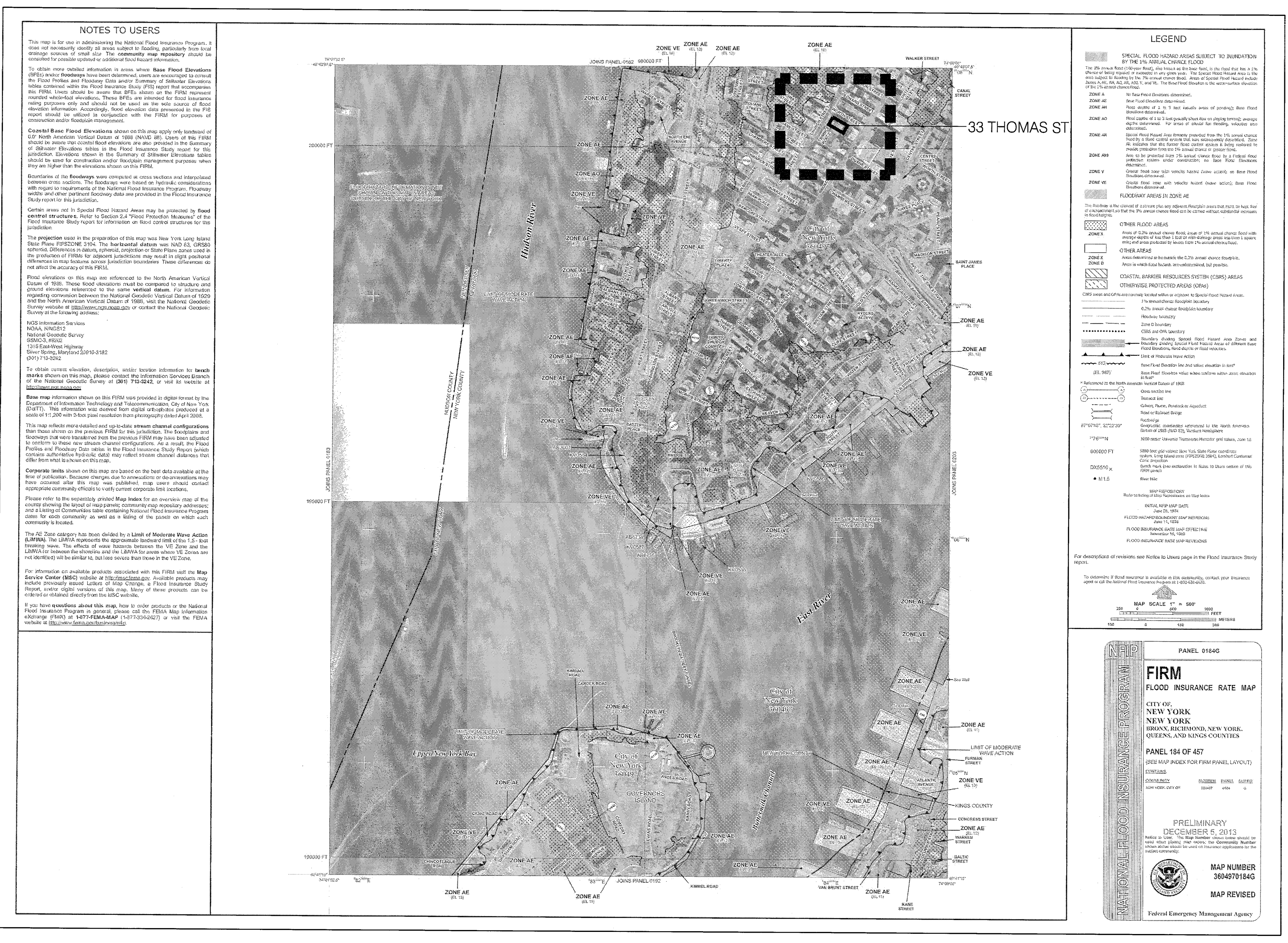
Architecture:

MH
Margulies Hoelzli Architecture
545 Eighth Avenue New York, NY 10018
Tel. 212.398.5700 Fax. 212.398.3152



RICHARD J. ...
JAN 0 5 2015
ACCEPTABLE FOR PERMIT
UNDER DIRECTIVE NO. 14/1076

G-001.00



NYC Buildings

Robert D. Lombardi
Commissioner

May 22, 2012

Donald Gottfried, P.E.
Senior Electrical Engineer
dgottf@buildings.nyc.gov

Mr. Thomas Jensen
Chief of Fire Prevention
New York City Fire Department
Bureau of Fire Prevention
51 Mott Street, 3rd Floor
Brooklyn, NY 11201

Re: 811 10th Avenue, New York, NY - AT&T
Facility Upgrade and compliance with Local Law 26 of 2004

Dear Mr. Jensen:

This Department has received a letter dated May 14, 2012 from Mr. William Dunne, P.E. of DLB Associates in regards to the above referenced subject.

Please be advised that the Department of Buildings has no objections to DLB's request and we are asking that the Technology Management Division of the Bureau of Fire Prevention conduct their review and forward any comments to my office at their earliest convenience.

Sincerely,
Donald Gottfried
Donald Gottfried, P.E.
Senior Electrical Engineer

DG:dg

C: James Colgate, R.A., Esq., Assistant Commissioner
Tamara Saakian, P.E., F.D.N.Y., Director of Engineering
Leo Subbarao, F.D.N.Y., Administrative Project Manager

safety service integrity

The City of New York FIRE DEPARTMENT
9 METRO TECH CENTER BROOKLYN, NY 11201-0807

F.P. Index # 1206102B
September 16, 2013

F.P. Index # 1206102B
FFIMS # 33191354

September 16, 2013

Mr. James P. Colgate
Assistant Commissioner for Technical Affairs and Code Development
NYC Department of Buildings
230 Broadway, 3rd Floor
New York, NY 10001

Re: 33 Thomas Street, New York, NY 10007
AT&T High Rise Building
LL26 Variance Request

Dear Mr. Colgate:

This has reference to the variance request submitted by DLB Associates with attached sketches, dated June 28, 2011, submitted to this office pertaining to the above mentioned premises. The requested variance is for permission to be exempt from the requirements for providing sprinkler coverage in the areas of building devoted as telecommunication and electrical spaces. We have no objection to the NYC Department of Buildings issuing a variance that will qualify electrical spaces and the following spaces as exempt locations from Local Law 26 of 2004 with reference to sprinklers.

The spaces are indicated on Master Plan Report MP 1.183 to 1.30 in the variance request dated June 28, 2011.

The "No objection" shall be subject to the following conditions:

- The facility shall conform to the requirements of NFPA 76 (2012) in particular Chapter 6 "Prescriptive Based Approach", the NYC Building Code and the NYC Fire Code as applicable.

F.P. Index # 1206102B
September 16, 2013
Page 2 of 4

- The telecommunication facility shall be separated from the remainder of the building by a 2-hour fire resistant rated partition.
- Signal Processing Areas of the telecommunication facility shall conform to NFPA 76 § 6.8 and shall be separated from adjacent non-telecommunicating facilities by a minimum of 1-hour fire resistance construction.

Signal processing equipment areas, depending on their designation as Level A, Level B or Level C shall have:

- 1-hour fire separation between signal processing areas
- The hazard area protected throughout by a smoke management system
- Spatial separation
- Automatic fire suppression

Signal Processing Equipment area shall be provided with Very Early Warning Detection (VEWED) system or if the area is less than 2500 sq. ft. with an Early Warning Fire Detection (EWFD) system.

Signal Processing Equipment areas shall be provided with listed portable fire extinguishers for use with electrical signal processing equipment.

- Main Distribution Frame Areas of the telecommunication facility shall conform to NFPA 76 § 6.11 and shall be separated from adjacent non telecommunicating facilities by a minimum of 1-hour fire resistance construction.

Main Distribution Frame areas, depending on their designation as Level A, Level B or Level C in accordance with NFPA 76 § 8.3 shall have:

- 1-hour fire separation between signal processing areas
- The hazard area protected throughout by a smoke management system
- Spatial separation
- Automatic fire suppression

Main Distribution Frame area shall be provided with a Very Early Warning Detection (VEWED) system or if the area is less than 2500 sq. ft. with an Early Warning Fire Detection (EWFD) system.

Main distribution Frame areas shall be provided with listed portable fire extinguishers for use on energized equipment.

F.P. Index # 1206102B
September 16, 2013
Page 3 of 4

- Power areas of the telecommunication facility shall conform to NFPA 76 § 4.10 and shall be separated from adjacent non-telecommunication facilities by a minimum of 1-hour fire resistance construction.

It is noted that the batteries comply with the safety requirements of Level A of NFPA 76 § 8.3.3. The power areas shall have:

- Spatial separation
- By Hazardous materials spill control
- Smoke management system/ventilation system for hazardous fumes produced

The battery installation shall meet the requirements of the NYC Fire Code FC 608 and FC 609 as applicable.

The power areas shall be provided with an Early Warning Fire Detection system in accordance with NFPA 76 § 4.10.5.

Power areas shall be provided with listed portable fire extinguishers for use on energized and electronic equipment.

- The Cable Entrance Facility Area/ Cable Vault is not covered by this variance application.

- According to AT&T's letter dated Dec 12, 2012 submitted with the variance request, the Post Fire Smoke purge, also meets the intent of the Smoke Management System of NFPA 76. The Smoke Management System shall conform to NFPA 76 § 8.7 and App D.

- Any fire protection system or fire alarm system not approved shall be submitted for approval by the NYC Fire Department, NYC Dept of Buildings or both.

- Pre-Fire Planning, disconnecting Power, Damage Control and Emergency Recovery shall be in accordance with NFPA 76 (2012) Chapter 10 and Annex E.

- The emergency Action Plan and Fire Safety Plan shall be approved by the NYC Fire Department. A "No-Objection" letter shall be obtained from the NYC Fire Department for the Fire Protection Plans submitted to the NYC Department of Buildings.

F.P. Index # 1206102B
September 16, 2013
Page 4 of 4

The Building Information Card in the Emergency Action Plan shall include Depowering Operations.

11) All other areas shall be fully sprinklered in accordance with the NYC Building Code and NFPA 13.

The entire building shall be protected in accordance with the requirements of NFPA 76 (2012) "Standard for the Fire Protection of Telecommunication Facilities" including its Annex, and the relevant sections of the NYC Construction Codes and the NYC Fire Code.

Please be advised that this letter of no objection may not include all conditions, restrictions, and/or limitations necessary for final variance issuance. In the interest of public safety, it may be necessary to impose additional conditions, restrictions and/or limitations at some later time. Further, in the interest of public safety, this letter of no objection may be revoked upon failure by the client to comply with any of the expressly stipulated conditions, restrictions, and/or limitations outlined in the foregoing.

Very truly yours,
Thomas Jensen
Thomas Jensen
Chief - Fire Prevention Bureau

TJ:TS:LS

C: Paul Entlow P.E., DLB Associates
C: R. Treger, DLB Associates
C: R. Shapiro, P.E., DLB Associates
C: Chief Pigeon, FDNY
C: Capt. Joseph Evangelista, FDNY
C: Tamara Saakian, P.E., FDNY
C: Shaji Joseph, FDNY

safety service integrity

NYC Buildings

Robert D. Lombardi
Commissioner

September 26, 2013

Donald Gottfried, P.E.
Senior Electrical Engineer
dgottf@buildings.nyc.gov

Mr. William Dunne, P.E.
DLB Associates
1 Penn Plaza, Suite 2501
New York, NY 10119

Re: 33 Thomas Street, New York, NY
811 10th Avenue, New York, NY
AT&T High Rise Building
Request for permission to comply with BC 903.3.1.1.1 - Item #2

Dear Mr. Dunne:

Your letter of May 14, 2012 in regards to a request to allow areas devoted as telecommunications spaces qualify as exempt locations per item #2 of BC 903.3.1.1.1 has been reviewed by both this Department and the Fire Department, and is hereby approved provided all such conditions as outlined in Fire Department letters dated September 12, 2013 and September 16, 2013 to Mr. James Colgate (copy attached) are complied with.

Sincerely,
Donald Gottfried
Donald Gottfried, P.E.
Senior Electrical Engineer

DG:dg

Cc: James Colgate, R.A., Esq., Acting Assistant Commissioner
Joseph Ackroyd, P.E., Director of Engineering
Thomas Jensen, F.D.N.Y., Chief of F.P. (F.P. Index #: 12061018 & 1206102B)

safety service integrity

ISSUE 1 Desc: Building Department Submission
Date: September 26, 2014

Casertini MISSION CRITICAL
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121
TEL: (212) 615-3600 FAX: (212) 615-3700

MH Margulies Hoelzel Architecture
545 Eighth Avenue New York, NY 10018
Tel: 212.386.5700 Fax: 212.386.5152

MHA Project No. 14006.00
CAA Project No. 4806-43

AT&T - 33 Thomas Local Law 26 Sprinkler Distribution

at&t
AT&T Proprietary

33 THOMAS STREET
NEW YORK, NEW YORK

T-Base #: CLI Code: GEO Code:

LL26 VARIANCE LETTER & FEMA FLOOD INSURANCE RATE MAPS

Doc. Control #:
Date: Sheet Count: 2 of 30

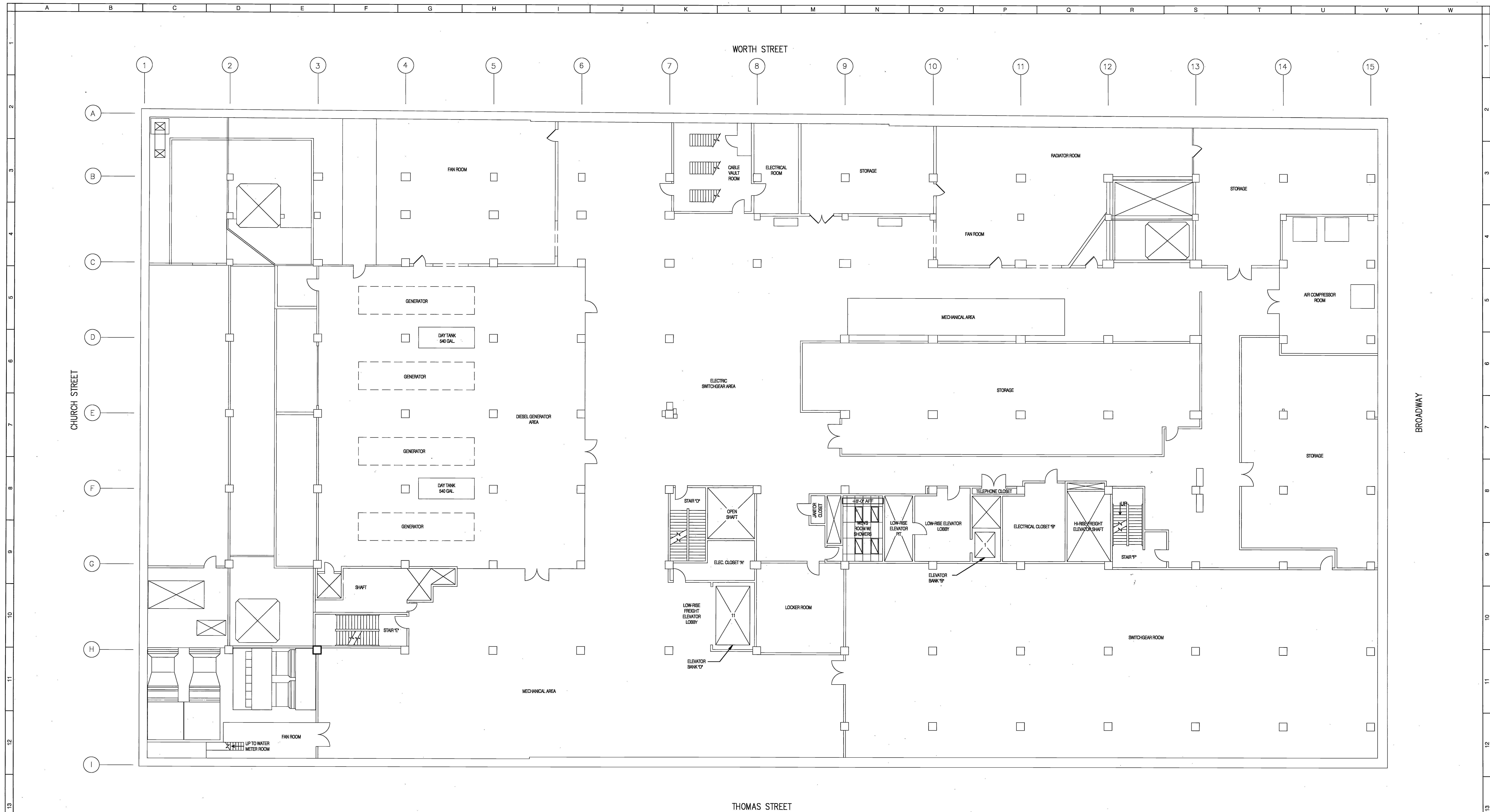
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ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 5479R
RICHARD GABEL
JAN 05 2015
F.D.N.Y.

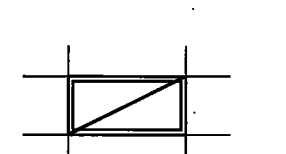
FDNY - F.P. Index # 1206102B
FFIMS # 33191354

ISSUE 2
Date:





1 PLAN: BASEMENT "B"
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

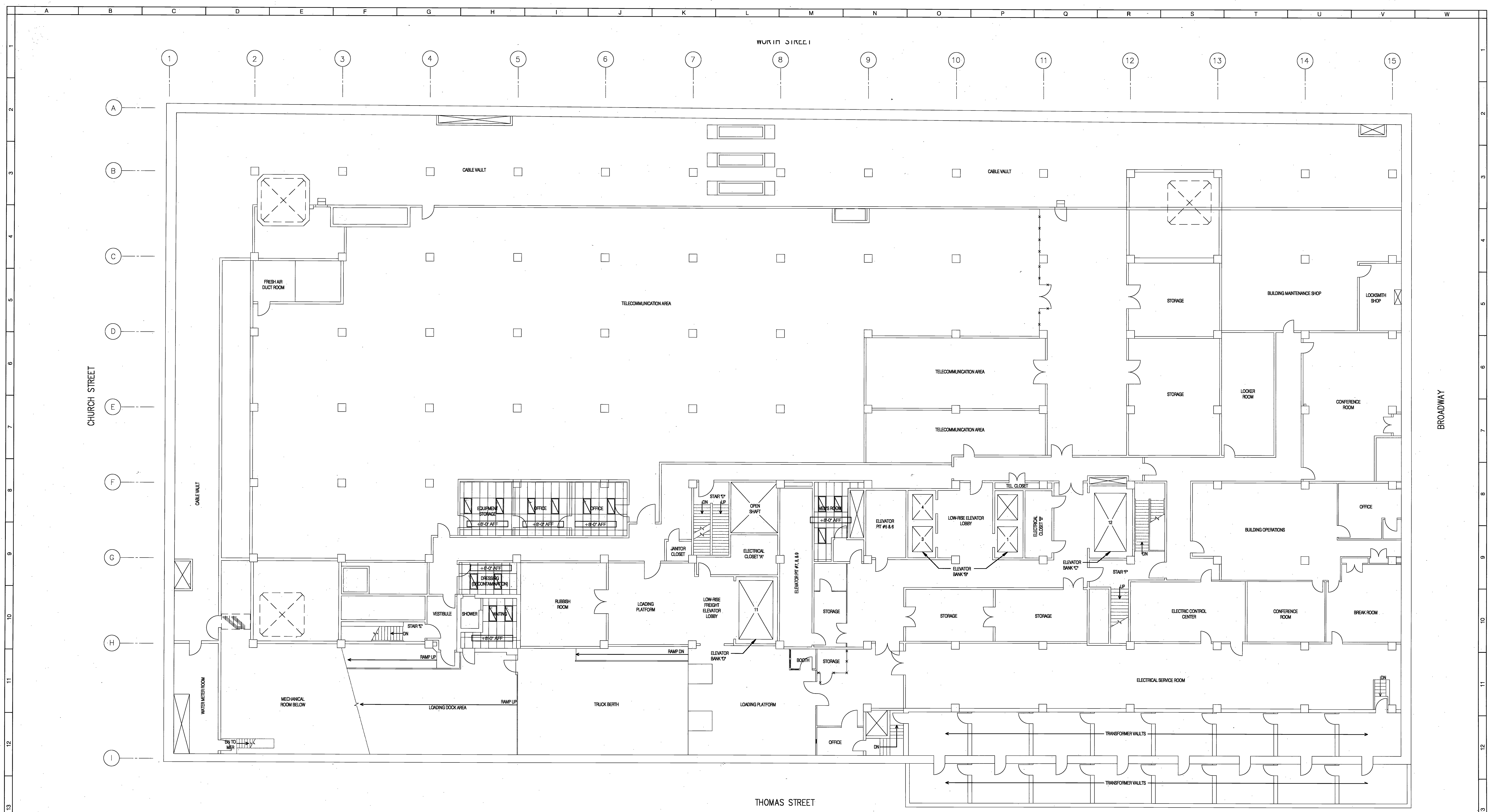
LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RICHARD GABEL
 JAN 05 2013
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 141978



ISSUE 1	Desc.: Building Department Submission
Date: September 26, 2014	
 	
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3800 540 Eighth Avenue New York, NY 10018 FAX: (212) 615-3700 Tel: 212-368-9700 Fax: 212-368-9152	
MIHA Project No. 14006.09 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CMA Project No. 4806-43	
	AT&T 33 THOMAS STREET NEW YORK, NEW YORK T-Base #: CLJ Code: GEO Code:
BASEMENT "B" FLOOR PLAN	
FDNY - F.P. Index # 1206102B FPIMS # 33191354	ISSUE 2 Desc.: Date:
	
A-098.00	

FDNY - F.P. Index # 1206102B
 FPIMS # 33191354

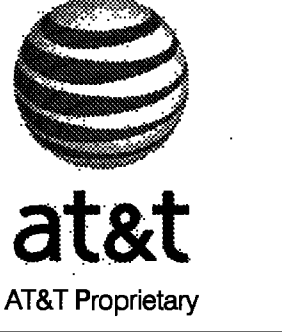
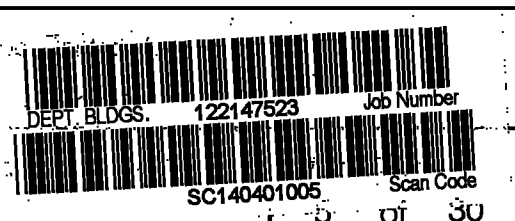


1 PLAN: BASEMENT "A"
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2'x4' SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

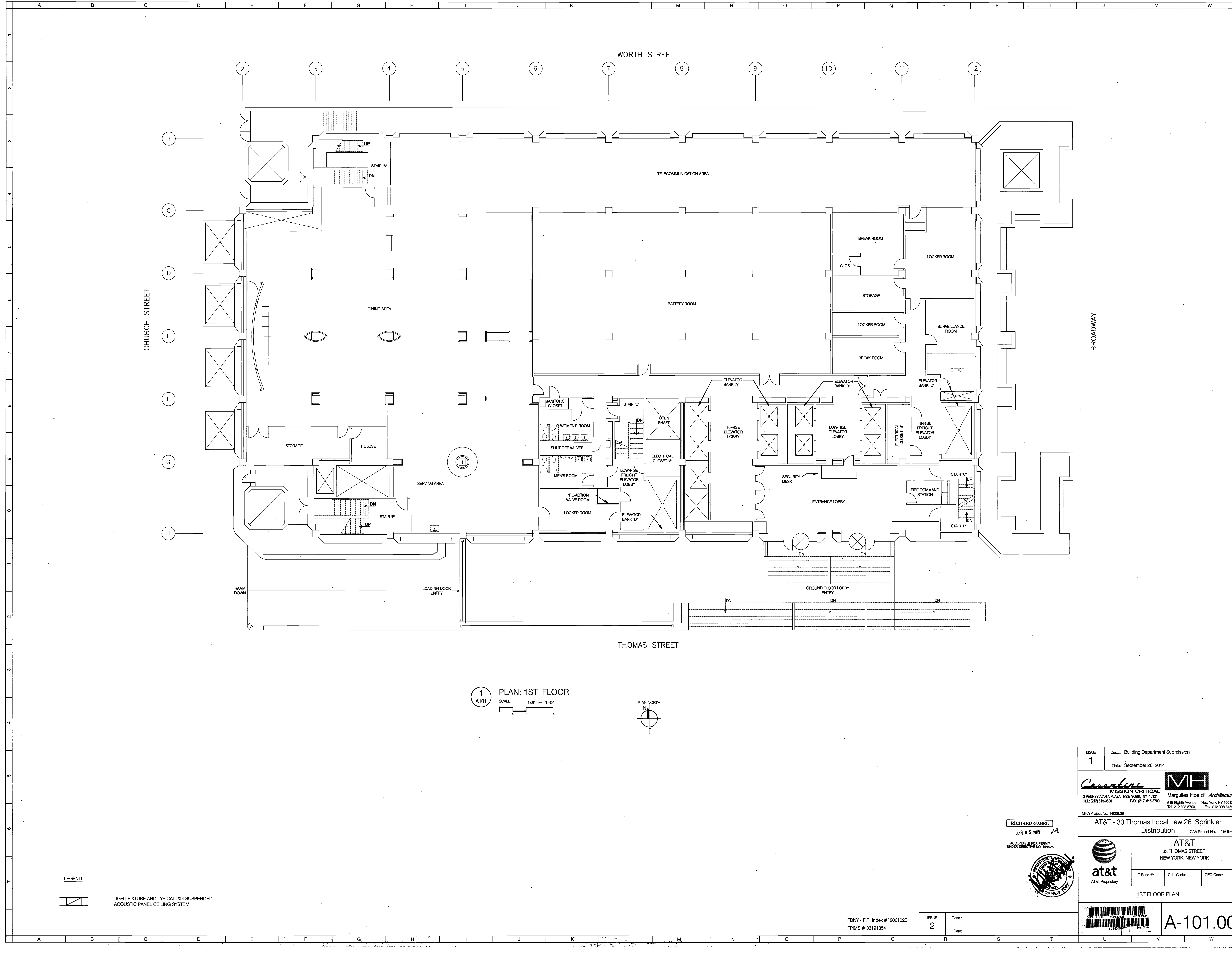
FDNY - F.P. Index #1206102B
 FPIMS # 33191354

ISSUE 2
 Date:

ISSUE 1	Desc: Building Department Submission
	Date: September 26, 2014
Casertini	MH
MISSION CRITICAL	Margulies Hoeslitz Architecture
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3800	545 Eighth Avenue New York, NY 10018 Tel: (212) 398-5700 Fax: (212) 398-5192
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CNA Project No. 4806-43	
	AT&T 33 THOMAS STREET NEW YORK, NEW YORK
T-Base #:	CLLI Code: GEO Code:
BASEMENT 'A' FLOOR PLAN	
	A-097.00

RICHARD GABEL
 JAN 0 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 141789





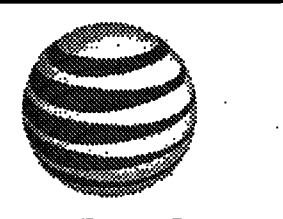
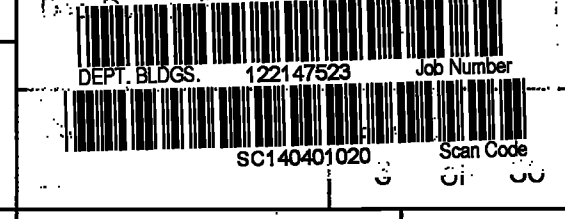


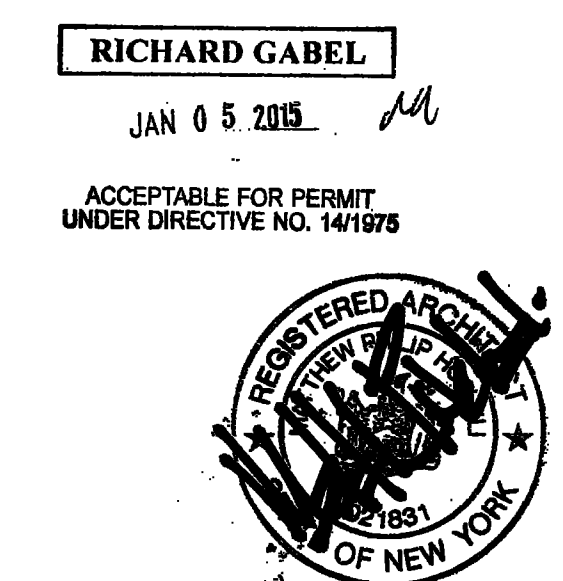
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A101 PLAN: 1ST FLOOR
SCALE: 1/8" = 1'-0"
PLAN NORTH: N

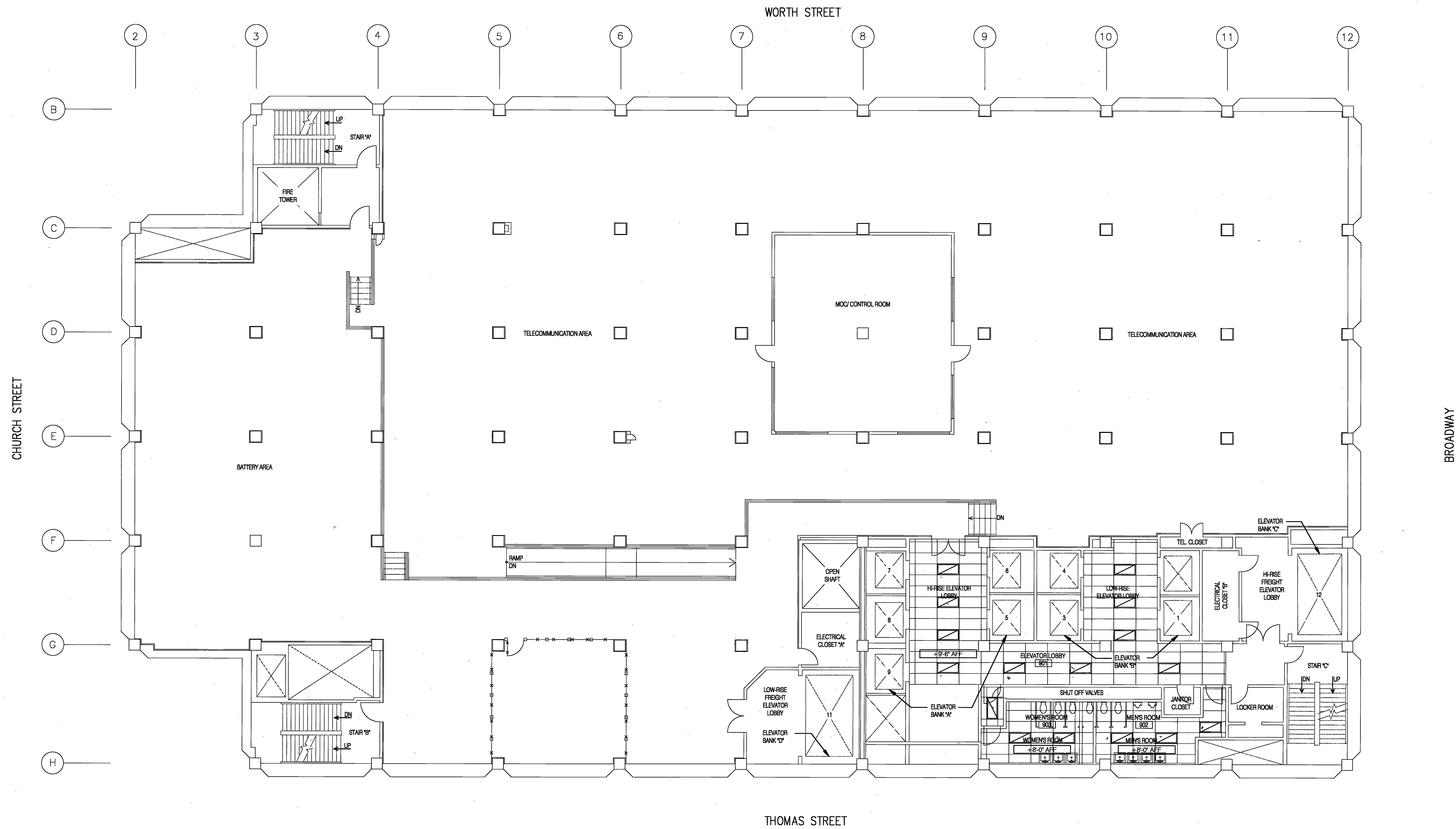
LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

FDNY - F.P. Index #1206102B
 FPIMS # 33191354

ISSUE 2
 Desc:
 Date:

ISSUE 1	Desc.: Building Department Submission
Date: September 26, 2014	
 	
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3600 Margulies Hoelzli Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212-268-9700 Fax: 212-268-3152	
MHA Project No. 14006.09 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 AT&T Proprietary	AT&T 33 THOMAS STREET NEW YORK, NEW YORK T-Base #: CLI Code: GEO Code:
1ST FLOOR PLAN	
	
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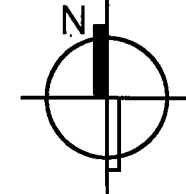


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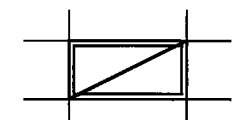
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PLAN NORTH



LEGEND



LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RICHARD GABEL
JAN 0 5 2015

ACCEPTABLE FOR PERMIT
UNDER DIRECTIVE NO. W1978



ISSUE 1 Desc.: Building Department Submission
Date: September 26, 2014

Casentini **MH**
MISSION CRITICAL
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121
TEL: (212) 615-3800
Margulies Hoelzli Architecture
545 Eighth Avenue New York, NY 10018
Tel: 212.398.5700 Fax: 212.398.3152

MHA Project No. 14006.09
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43

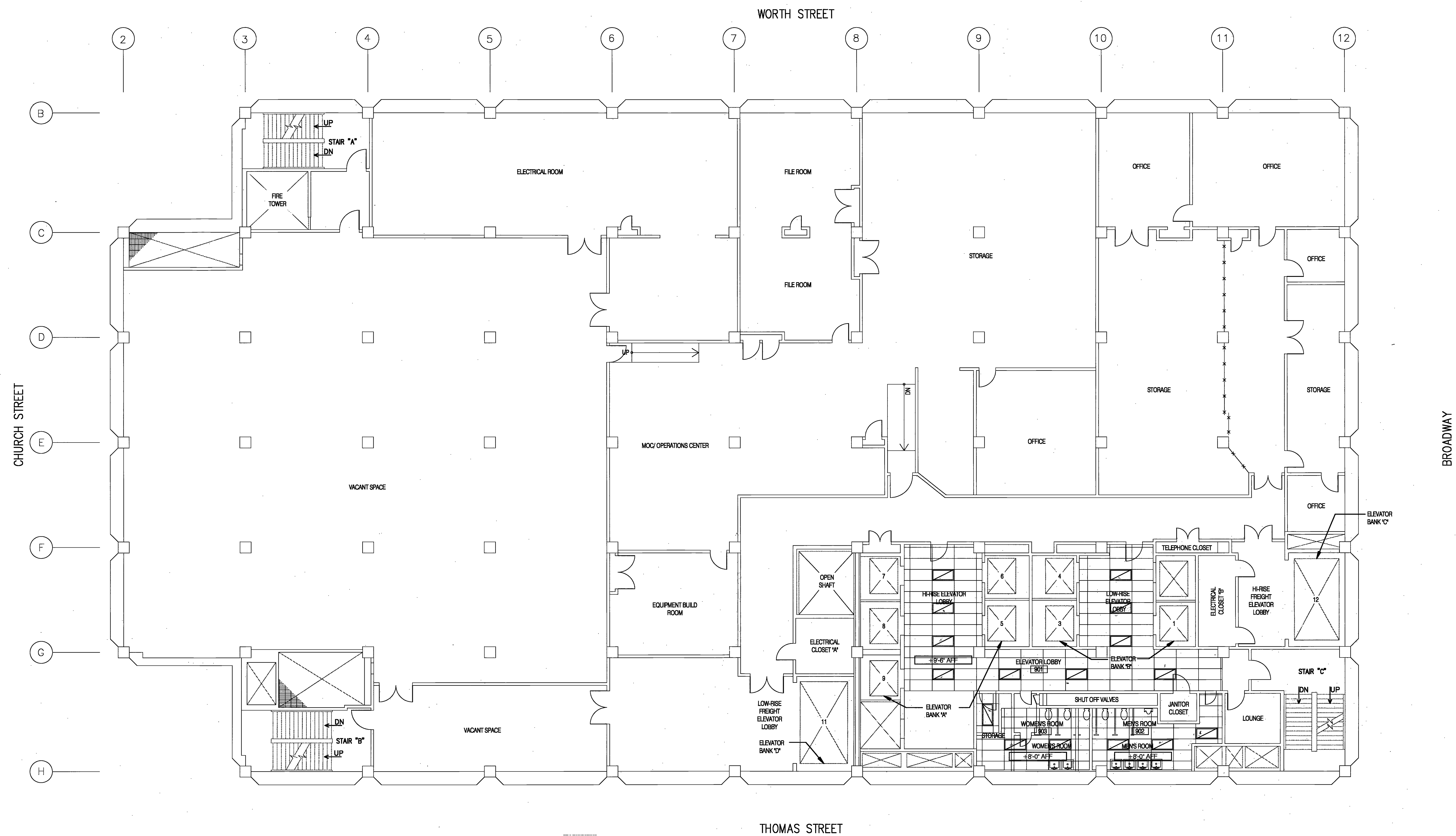
at&t
AT&T Proprietary
AT&T
33 THOMAS STREET
NEW YORK, NEW YORK

T-Base #: CLU Code: GEO Code:

2ND FLOOR PLAN

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FPIMS # 33191354



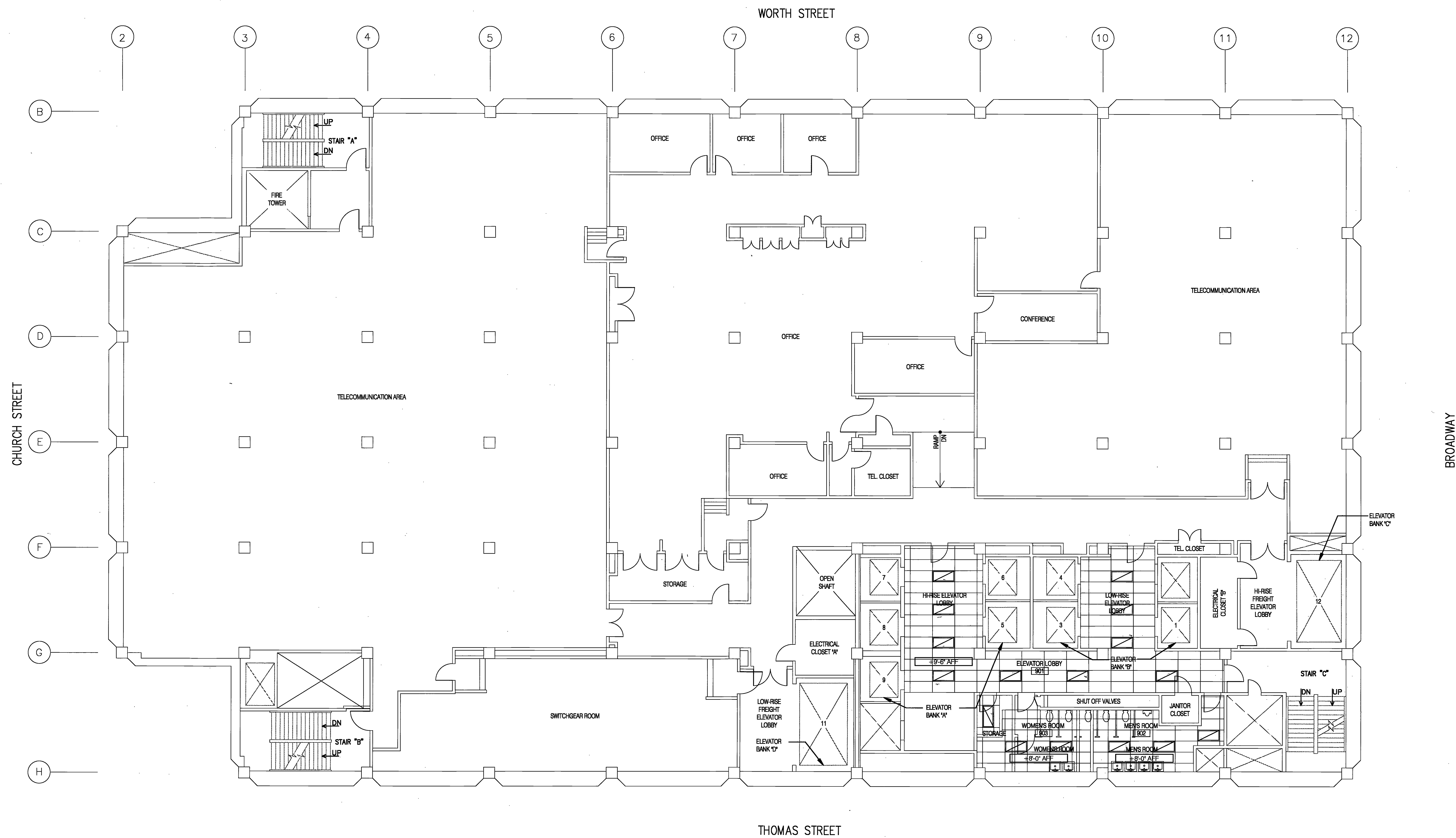
1 PLAN: 4TH FLOOR
 A104 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

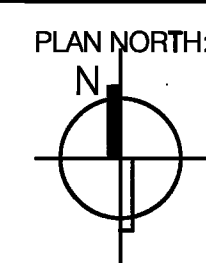
RICHARD GABEL
 JAN 8 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14179

ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
  MISSION CRITICAL Margulies Hoelzl Architecture 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3800 FAX: (212) 615-3700 545 EIGHTH AVENUE, NEW YORK, NY 10018 TEL: 212-368-6700 FAX: 212-368-3182	
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 AT&T AT&T Proprietary 33 THOMAS STREET NEW YORK, NEW YORK	
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4TH FLOOR PLAN	
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1 PLAN: 6TH FLOOR
 SCALE: 1/8" = 1'-0"
 0 4 8 16






LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM


RICHARD GABEL
 JAN 8 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 141975

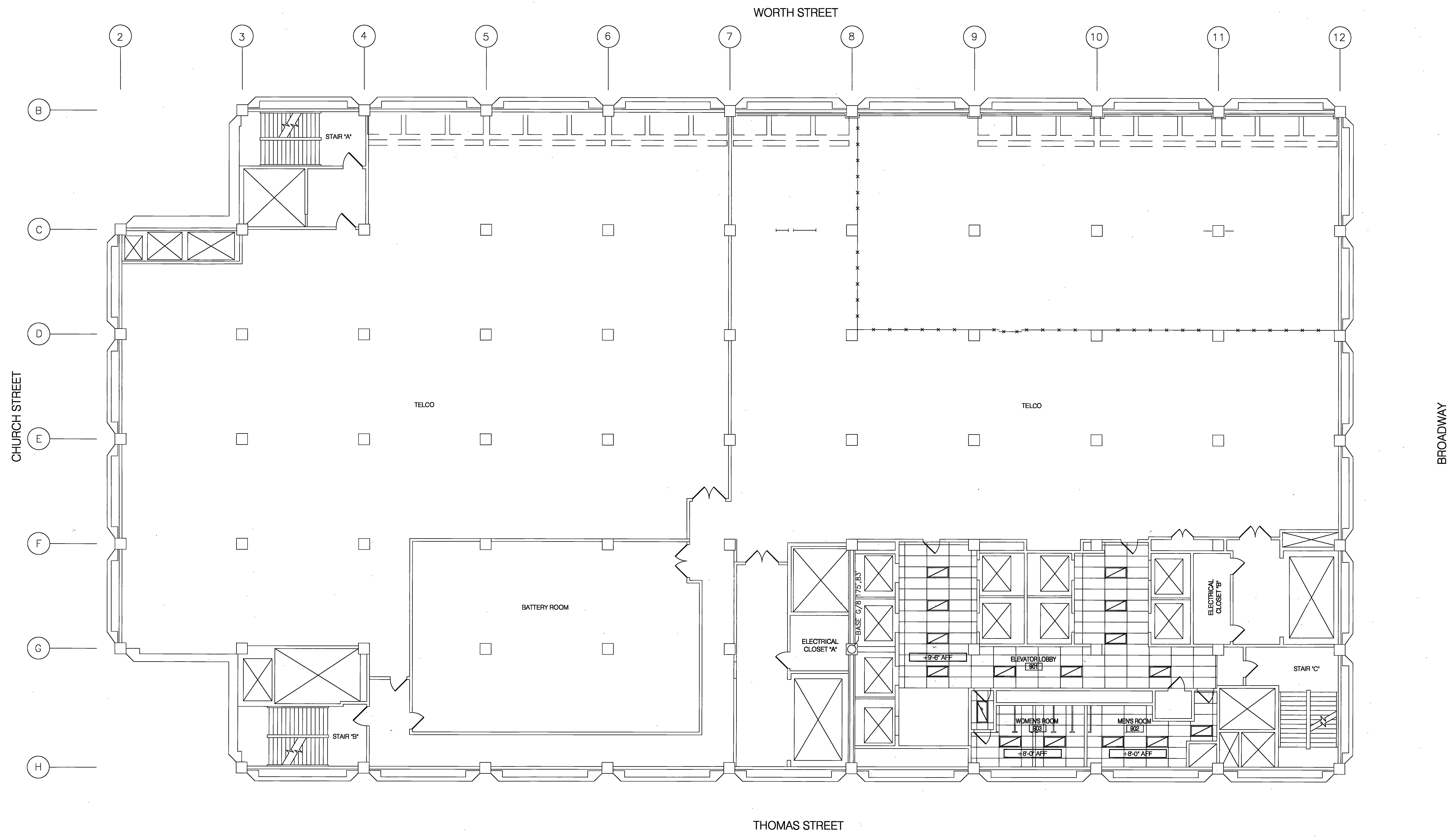


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 FPMS # 33191354

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	Date: September 26, 2014	
		
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MHA Project No. 14006.09		
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43		
 AT&T Proprietary	T-Base #:	AT&T 33 THOMAS STREET NEW YORK, NEW YORK
	CLU Code:	GEO Code:
6TH FLOOR PLAN		

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1 PLAN: 7TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

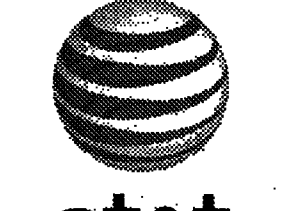
LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM


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 FPIMS # 33191354

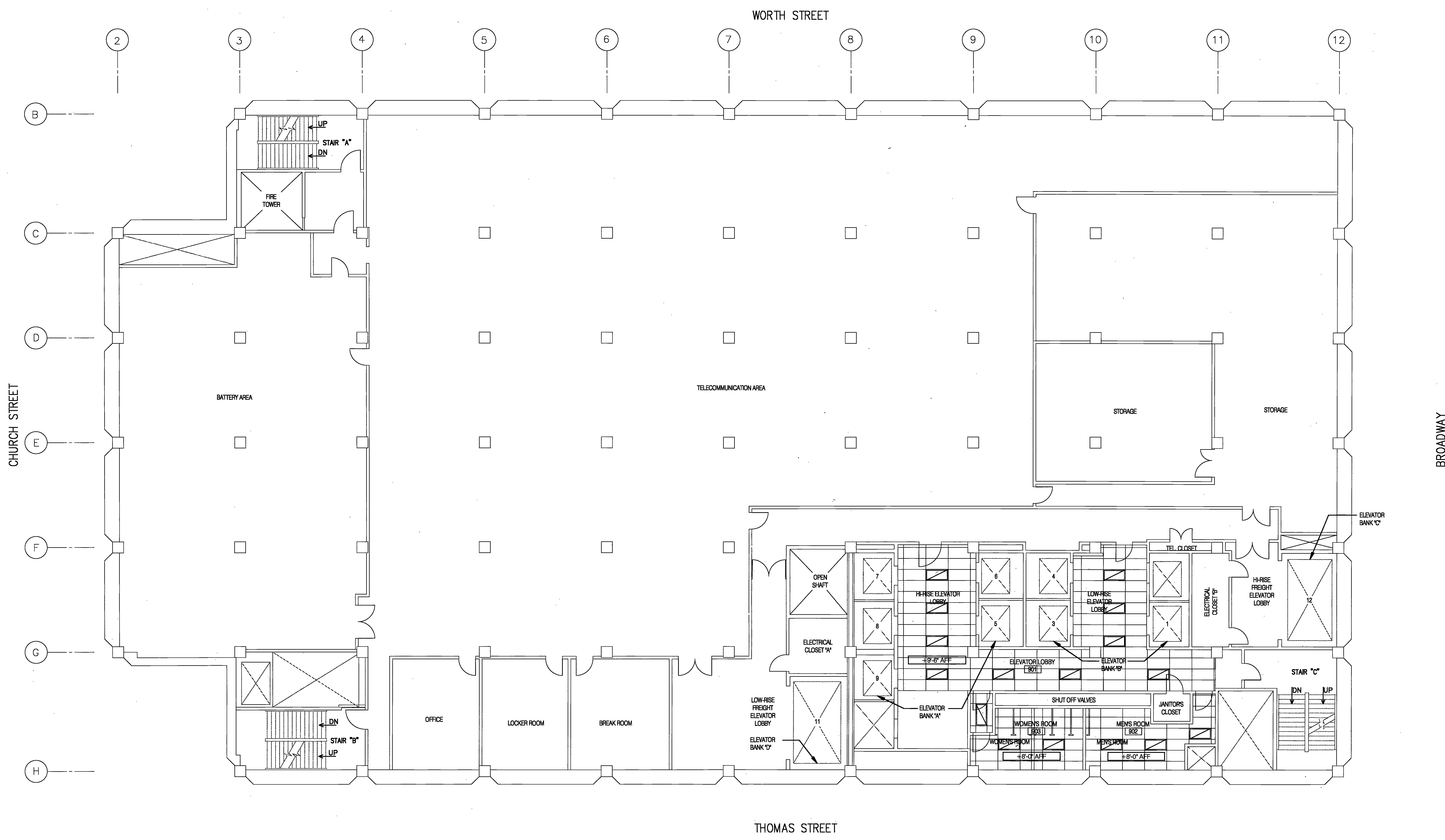
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 UNDER DIRECTIVE NO. 141789



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Carantini	MH
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021 TEL: (212) 615-3600	Margulies Hozelz Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212.368.5700 Fax: 212.368.3182
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
	AT&T 33 THOMAS STREET NEW YORK, NEW YORK
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7TH FLOOR PLAN	

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1 PLAN: 8TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RICHARD GABEL
 JAN 8 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 16-89

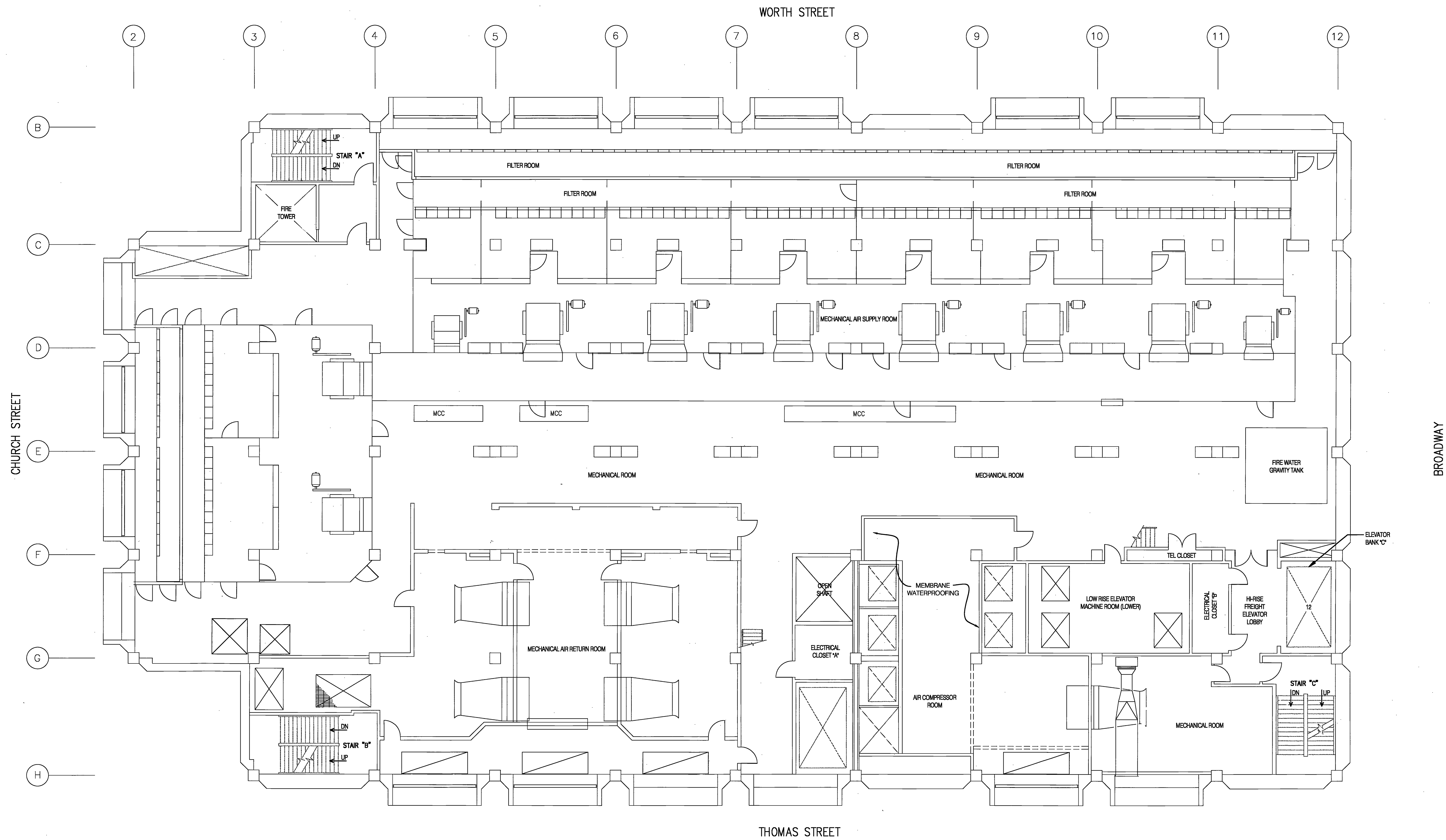


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MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021 TEL: (212) 615-3800	
Margulies Hoelzl Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212.388.5700 Fax: 212.388.3152	
MHA Project No. 14006.00 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #:	CLLI Code:
GEO Code:	
8TH FLOOR PLAN	
A-108.00	

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2
Date:

Desc.:



1 PLAN: 10TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

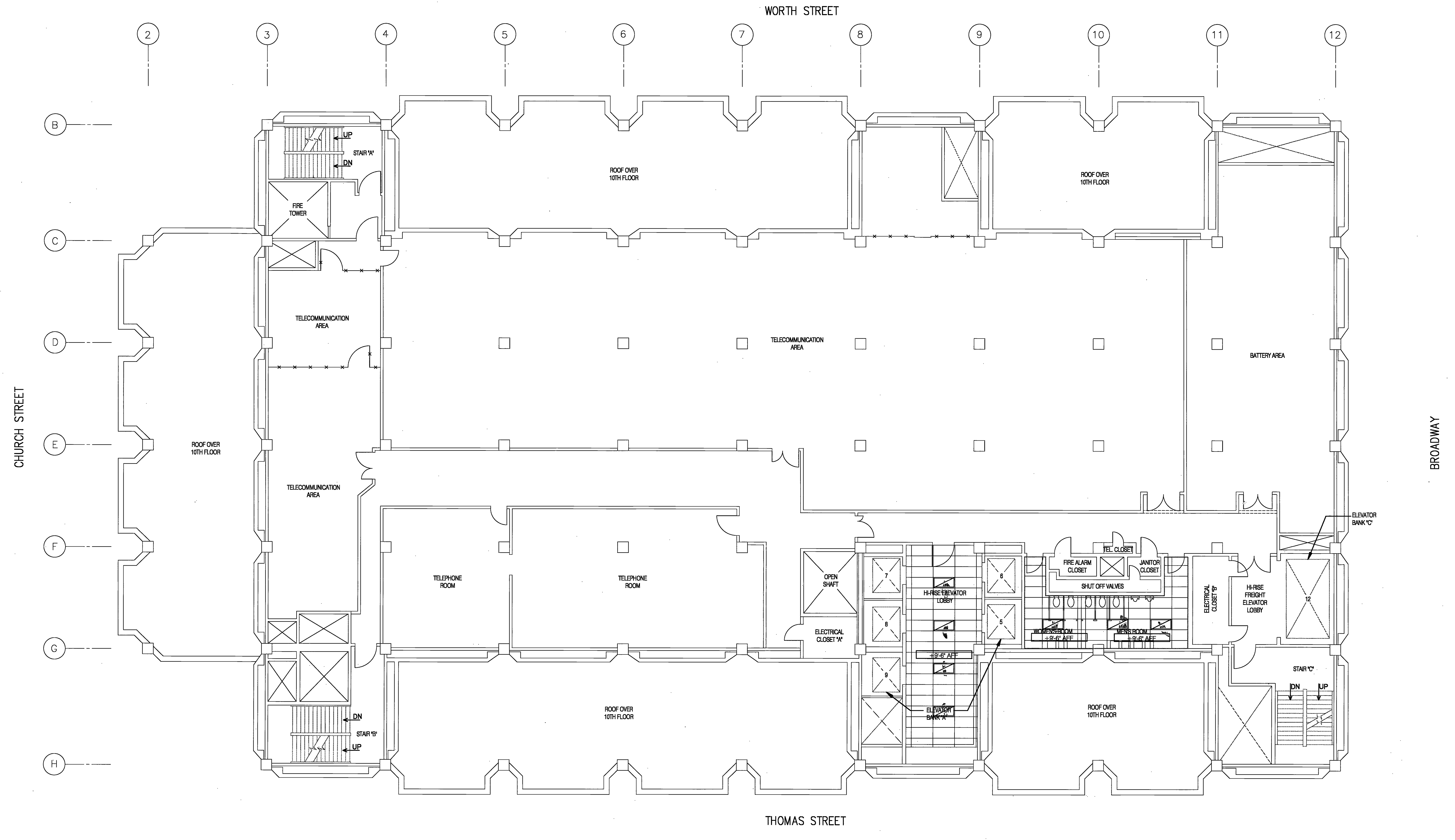
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MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021 TEL: (212) 615-3600	
Margulies Hostzli Architecture 545 Eighth Avenue New York, NY 10018 Tel. 212.398.6700 Fax. 212.398.3152	
MHA Project No. 14006.09 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
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GEO Code:	
10TH FLOOR PLAN	
A-110.00	

RICHARD GABEL
 JAN 0 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 141878





1 PLAN: 11TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

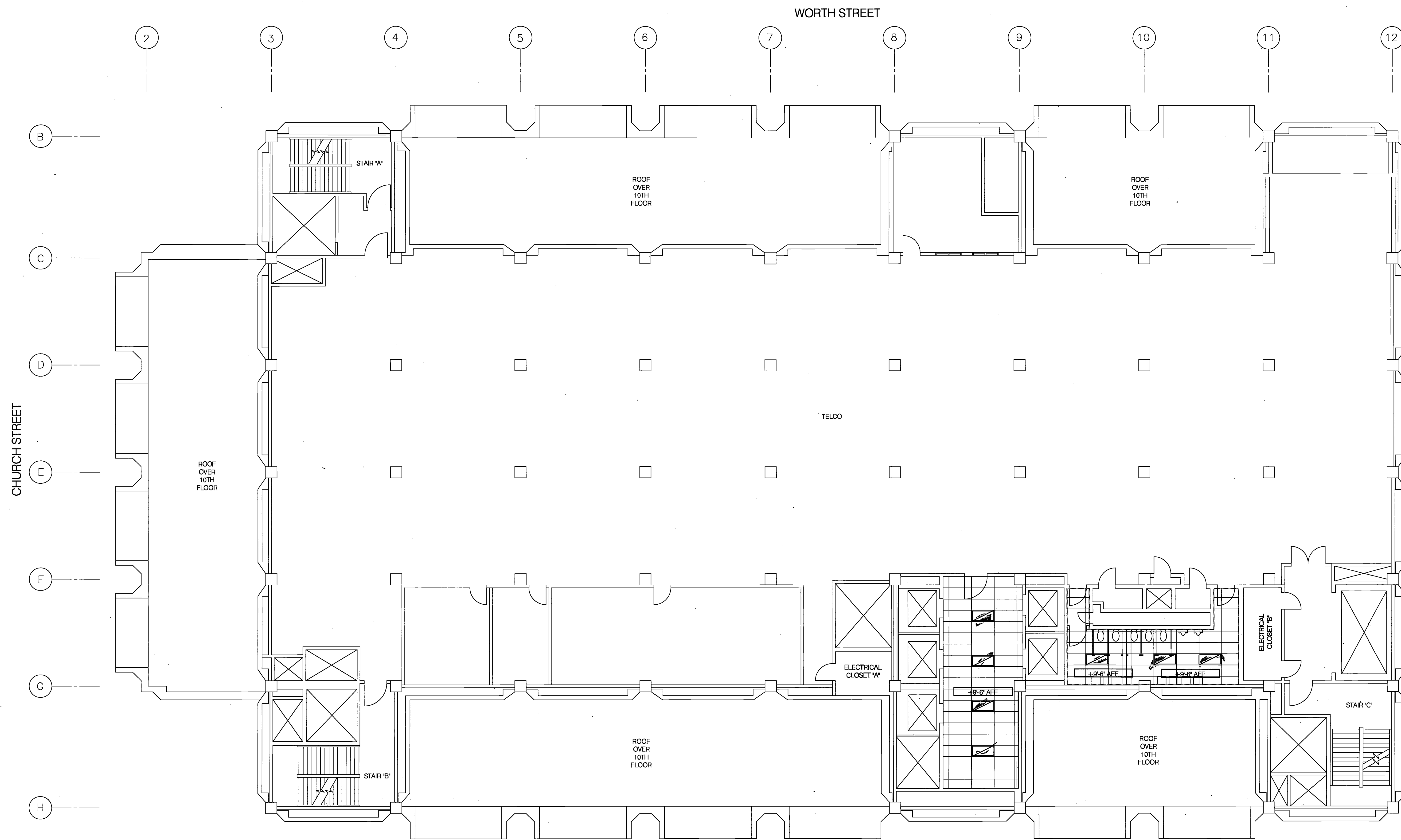
RICHARD GABEL
 JAN 9 9 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 49198



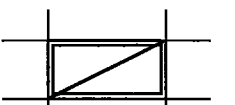
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1	Date: September 26, 2014
<i>Casartini</i>	MH
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 815-3600	Margulies Hoelzli Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212-368-9700 Fax: 212-368-9128
MHA Project No. 14006.09	CAA Project No. 4806-43
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution	
	AT&T 33 THOMAS STREET NEW YORK, NEW YORK
T-Base #:	CLLI Code: GEO Code:
11TH FLOOR PLAN	
A-111.00	


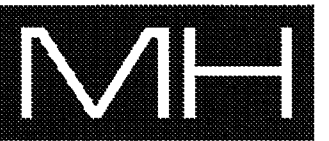
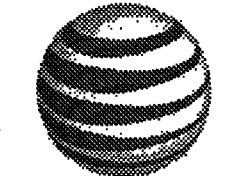


1 PLAN: 12TH FLOOR
 A112 SCALE: 1/8" = 1'-0"
 PLAN NORTH: N

LEGEND

 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

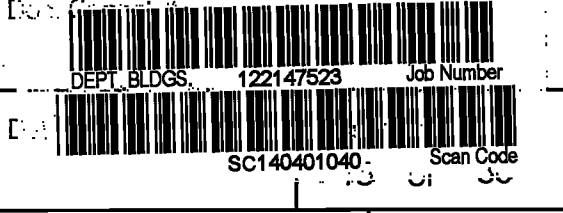
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 JAN 0 5 2015
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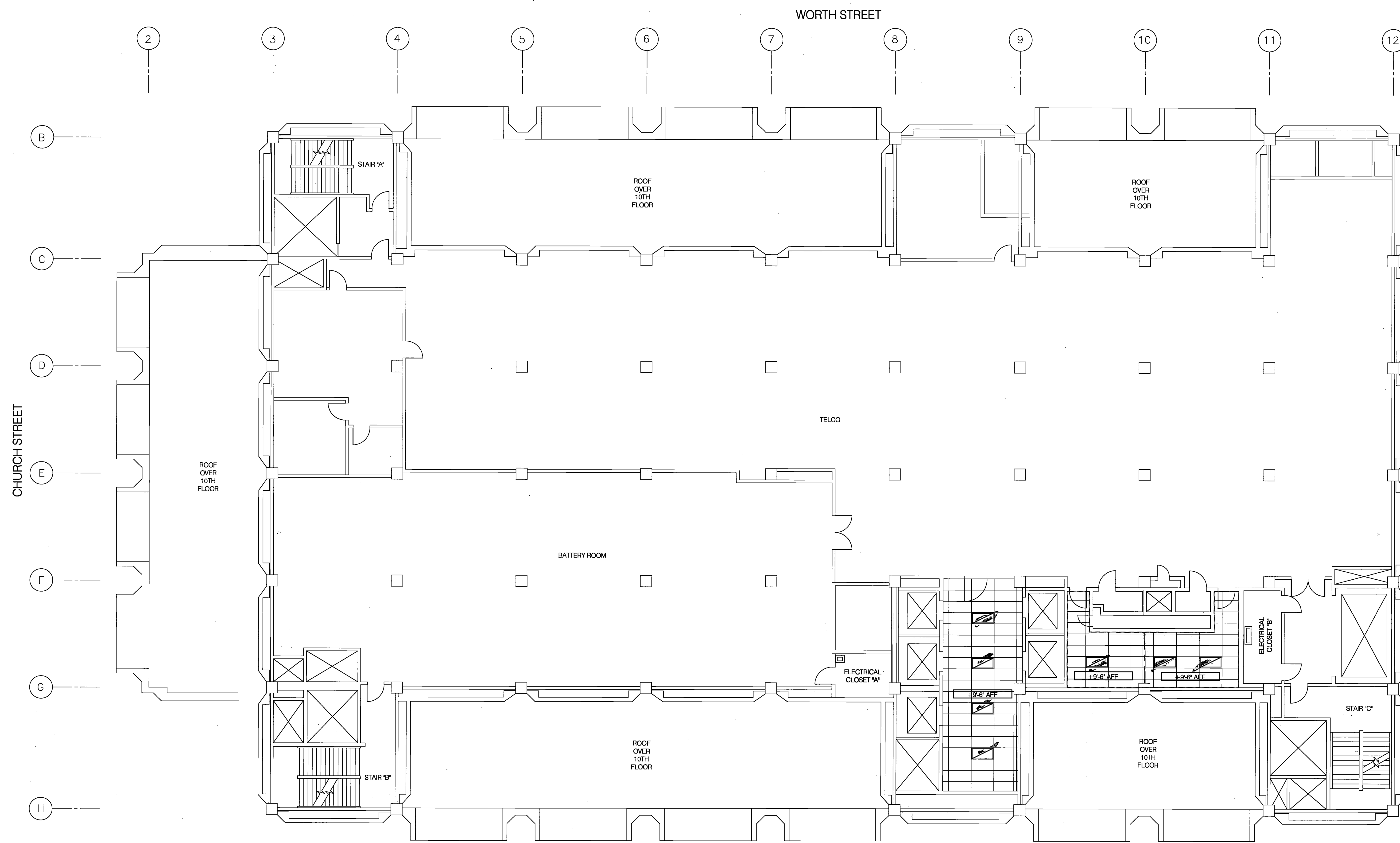
ISSUE 1	Desc: Building Department Submission	
	Date: September 26, 2014	
 MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3800		 Margulies Hoelzli Architecture 548 Eighth Avenue New York, NY 10018 Tel: 212-268-6700 Fax: 212-268-2192
MH-A Project No. 14006.09		
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43		
 AT&T Proprietary		T-Base #: CLJI Code: GEO Code:
12TH FLOOR PLAN		

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1 PLAN: 14TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH:

LEGEND

 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

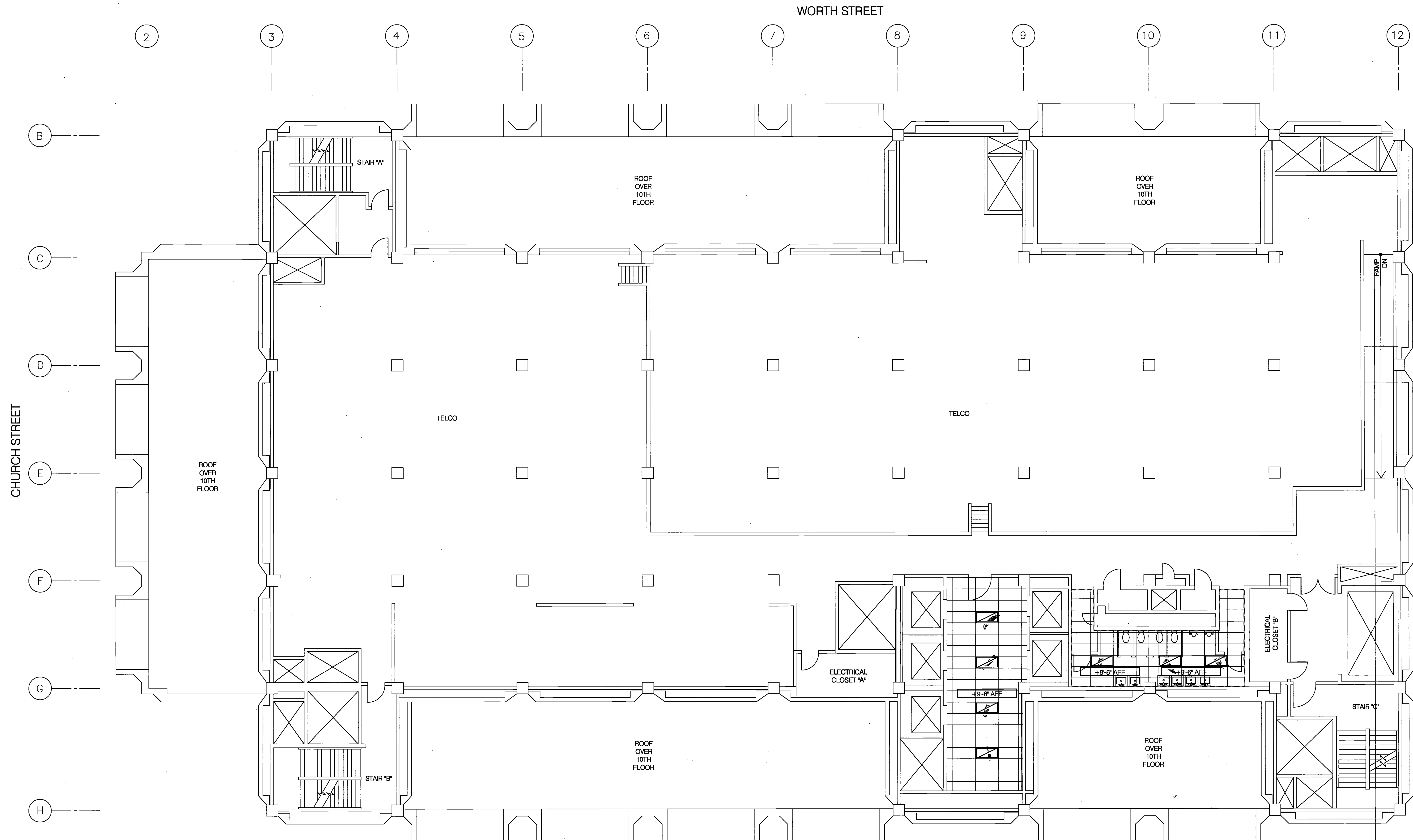
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 MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3600 545 Eighth Avenue, New York, NY 10018 Tel: 212-368-6700 Fax: 212-368-3182	
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
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14TH FLOOR PLAN	
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1 PLAN: 15TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH: N

LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

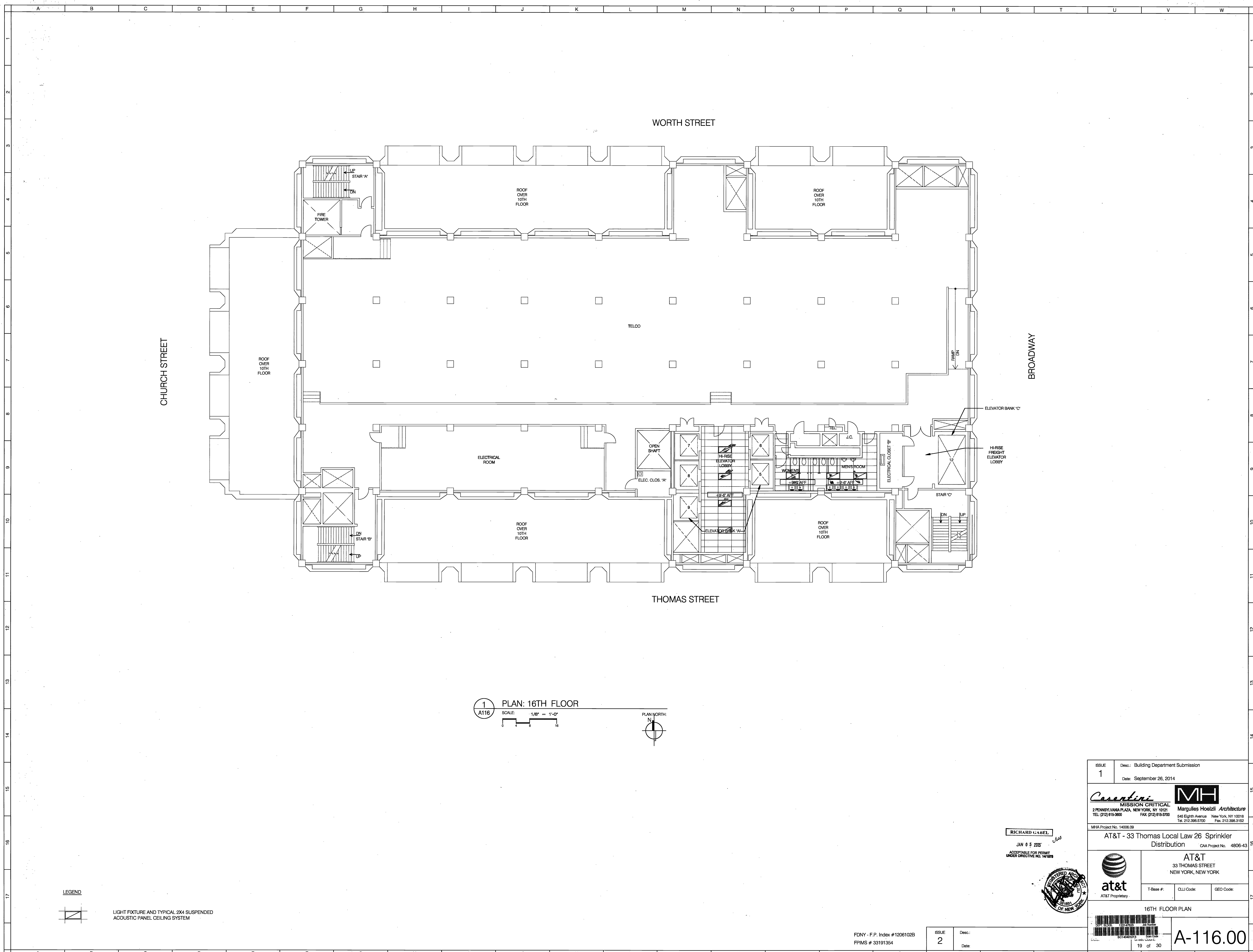
ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
 	
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 915-5800	
Margulies Hoelzl Architecture 545 Eighth Avenue New York, NY 10018 TEL: 212-388-6700 Fax: 212-388-3152	
MHA Project No. 14008.09 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution OAA Project No. 4906-43	
	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
15TH FLOOR PLAN	
	
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1 PLAN: 16TH FLOOR
 A116 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

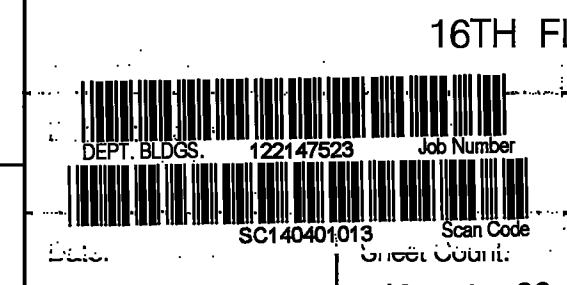
RICHARD GAUEL
 JAN 0 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 141979



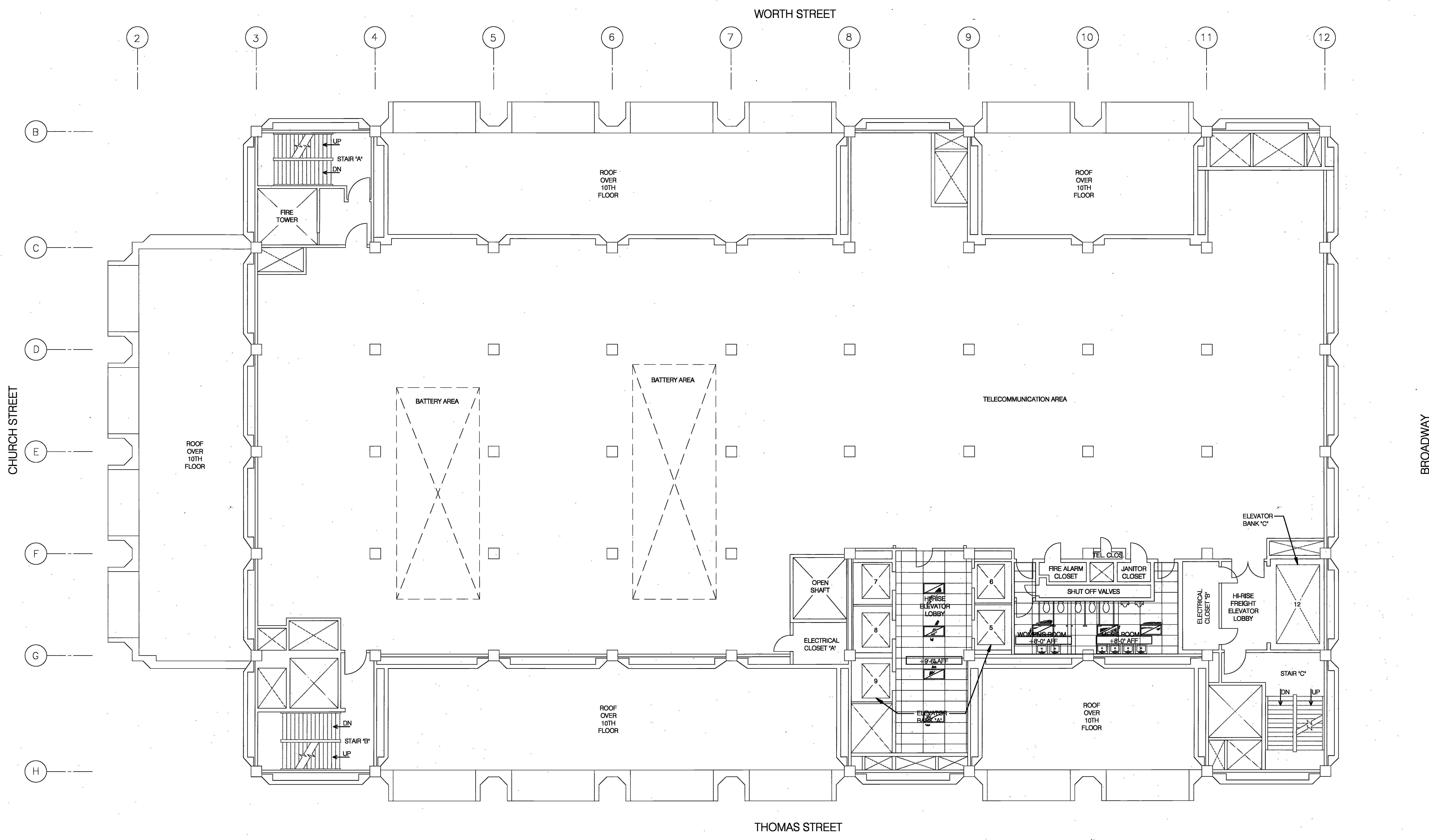
ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
<i>Carantini</i> MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3600	MH Margules Hozlitz Architecture 545 Eighth Avenue New York, NY 10016 Tel. 212.398.6700 Fax. 212.398.3152
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 AT&T Proprietary	AT&T 33 THOMAS STREET NEW YORK, NEW YORK
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16TH FLOOR PLAN	
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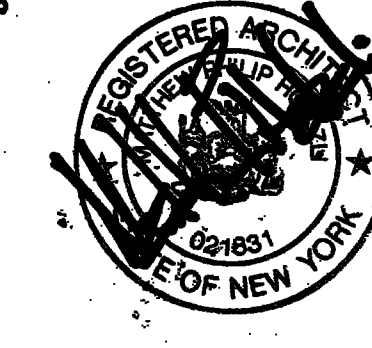
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A-116.00



1 PLAN: 17TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH: N

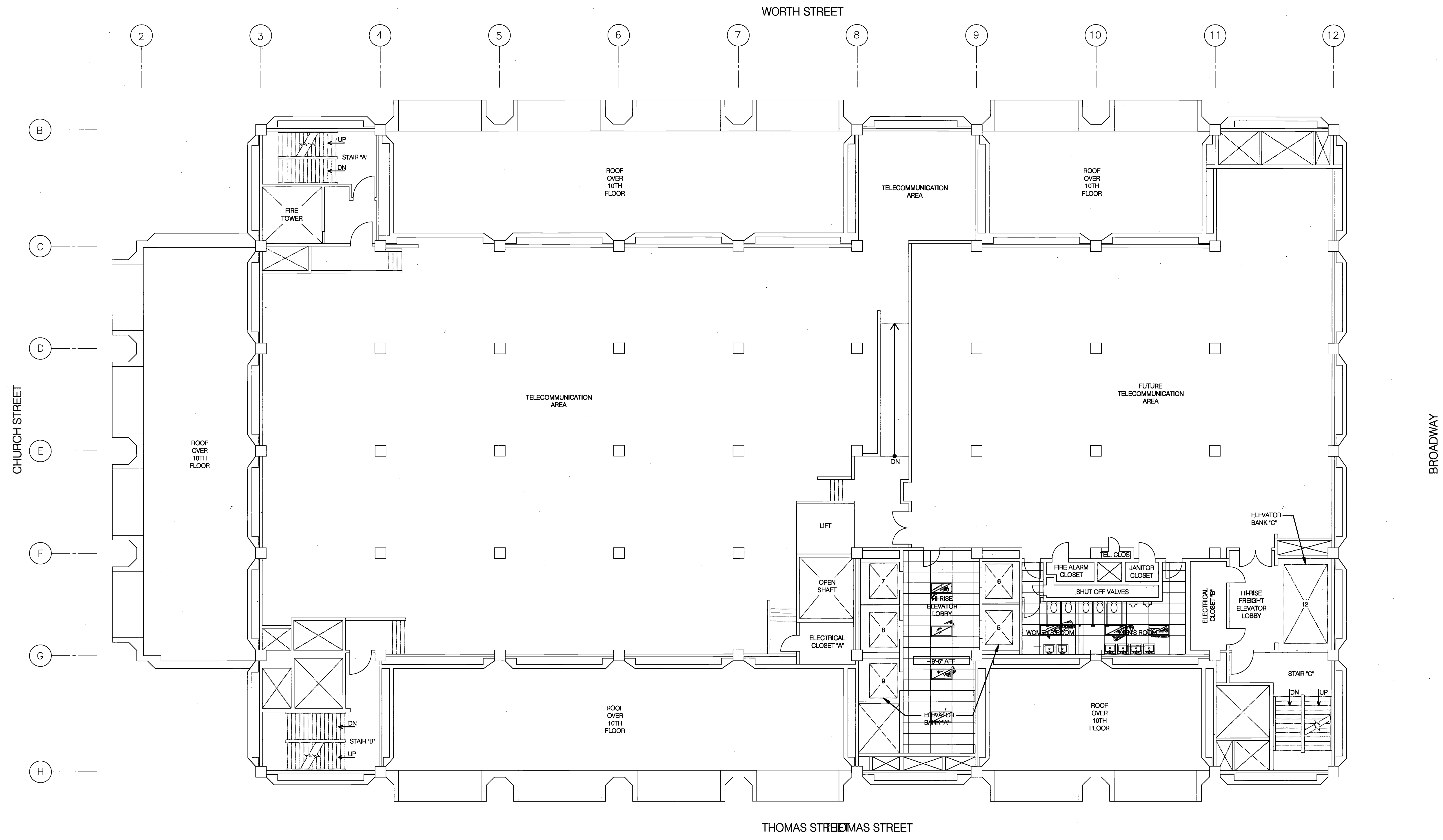
LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RIC HARD GABEL
 JAN 0 5 - 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 547878



ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
 	
MHA Project No. 14006.00 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 	
33 THOMAS STREET NEW YORK, NEW YORK	
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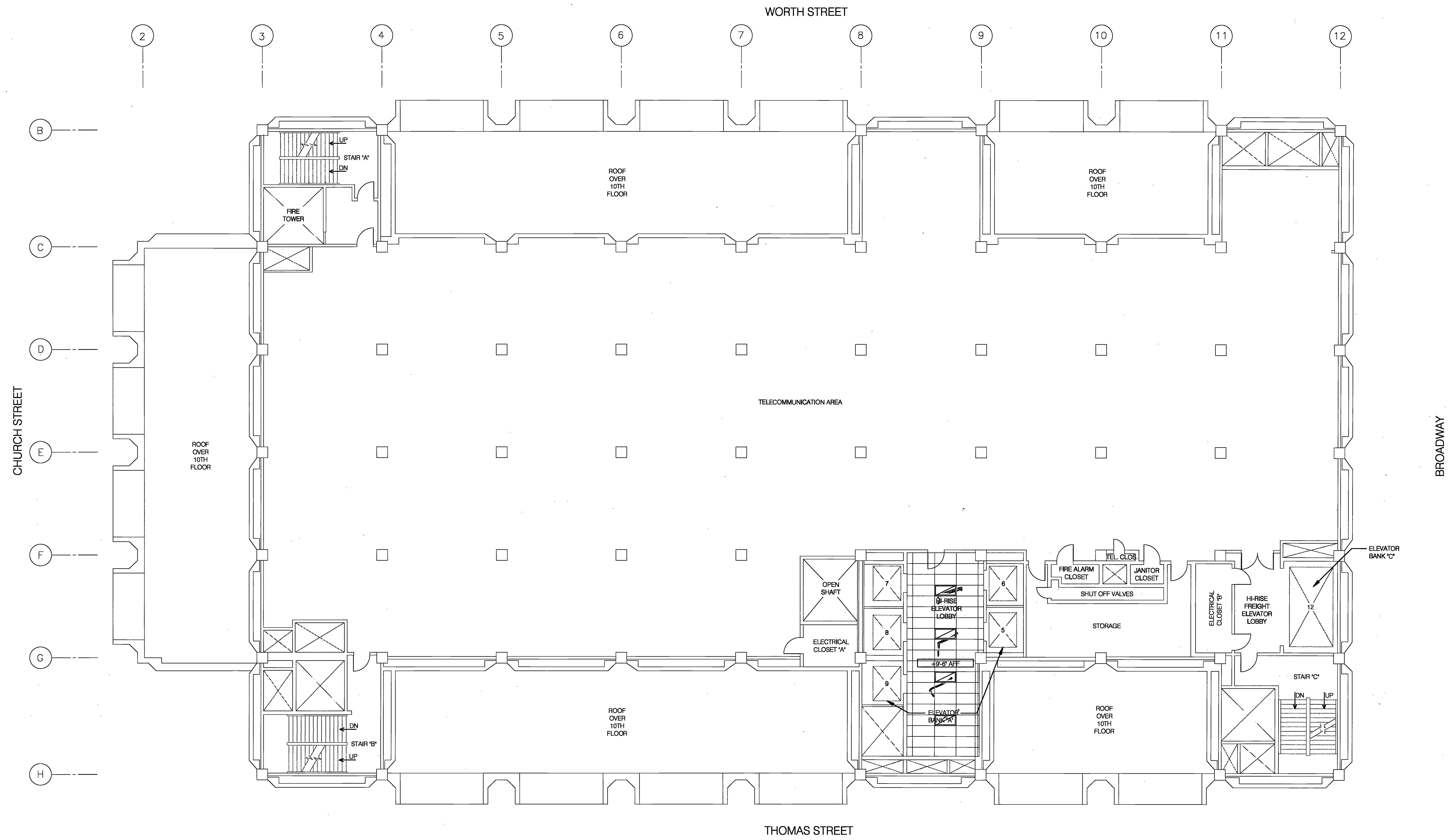
1 PLAN: 18TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH: N

LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

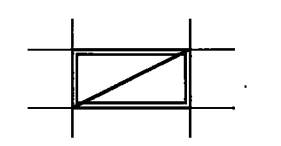
RICHARD GABEL
 JAN 9 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14118



ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
 	
MIHA Project No. 14008.09 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CNA Project No. 4806-43	
 	
18TH FLOOR PLAN T-Base #: CLU Code: GEO Code:	
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18TH FLOOR PLAN 21 of 30 A-118.00	



1 PLAN: 19TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

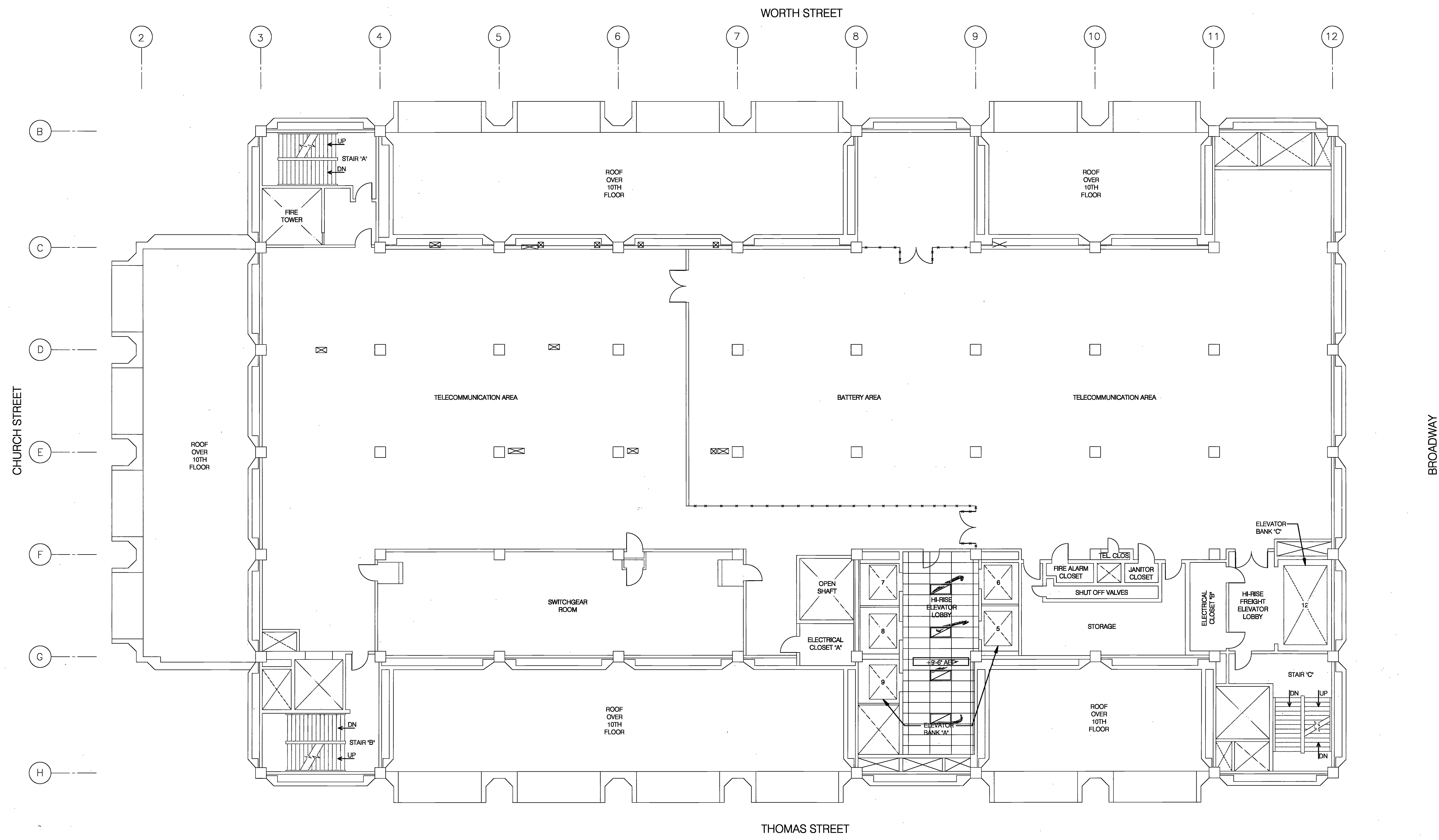
LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RICHARD GABEL
 JAN 9 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14789



ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
<i>Carantini</i> MISSION CRITICAL 3 PENNSYLVANIA PLAZA, NEW YORK, NY 10228 TEL: (212) 615-3600	MH Margulies Hoelzl Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212.388.5700 Fax: 212.388.3122
MPA Project No. 14006.09 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 AT&T AT&T Proprietary	AT&T 33 THOMAS STREET NEW YORK, NEW YORK T-Base #: C/LJ Code: GEO Code:
19TH FLOOR PLAN	
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1 PLAN: 20TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

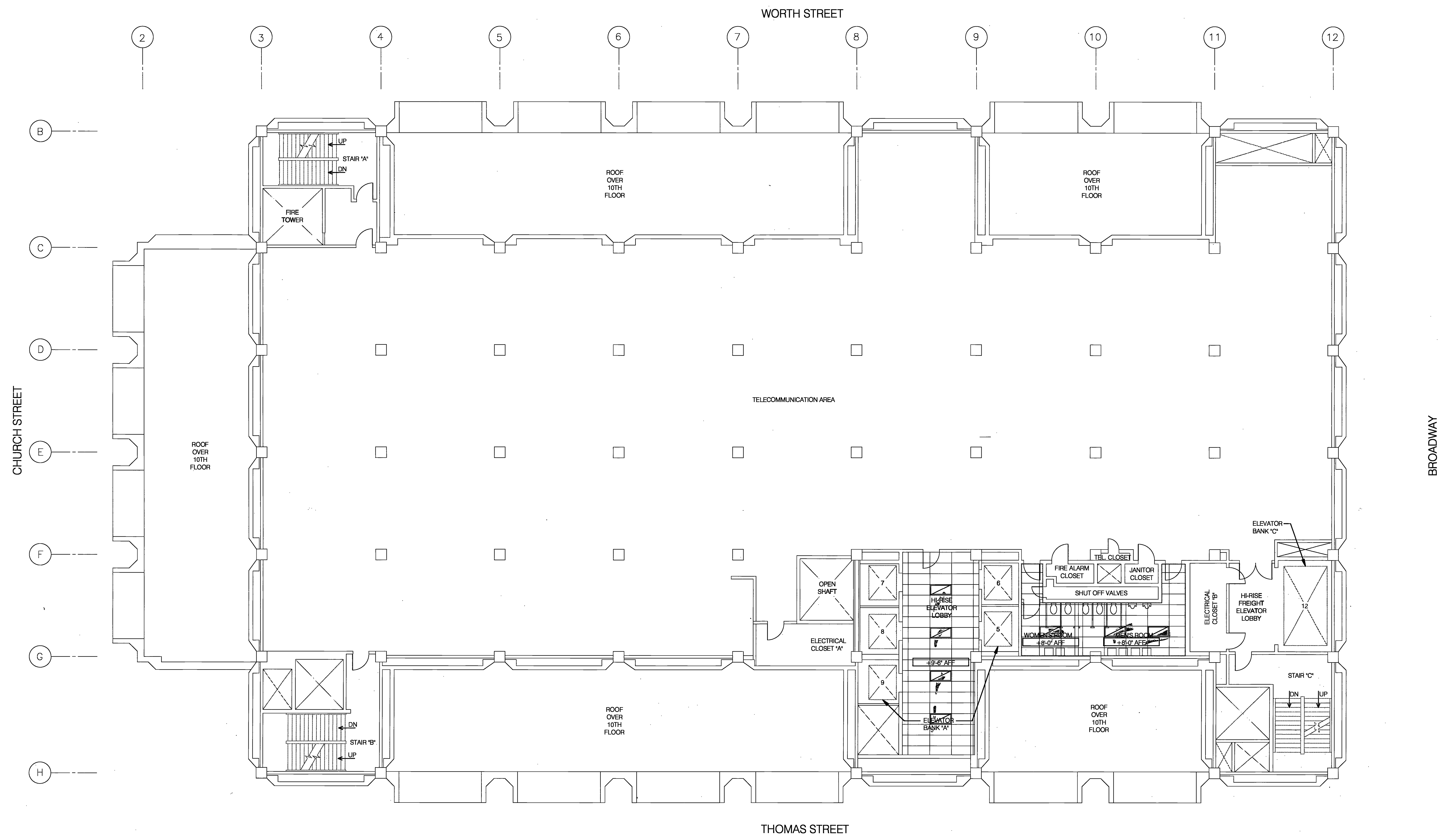
RICHARD GABEL
 JAN 0 5 2015
 ACCEPTABLE FOR PERMIT UNDER ORDINANCE NO. 141078

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MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3600	
Margulies Hoelzli Architecture 645 Eighth Avenue New York, NY 10018 TEL: (212) 615-3700 FAX: 212-398-3182	
MHA Project No. 14008.00 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
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1 PLAN: 21ST FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH: N

LEGEND

 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

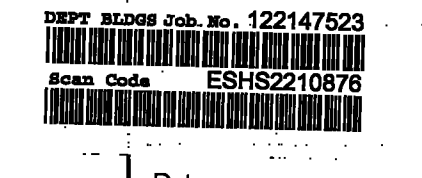
RICHARD GABEL
 JAN 0.5.2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/97B



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Cesentini MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3800	MH Margulies Hoelzl Architecture 546 Eighth Avenue, New York, NY 10018 Tel: 212-368-6700 Fax: 212-368-6166
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 AT&T AT&T Proprietary	AT&T 33 THOMAS STREET NEW YORK, NEW YORK T-Base #: CLJ Code: GEO Code:
21ST FLOOR PLAN	
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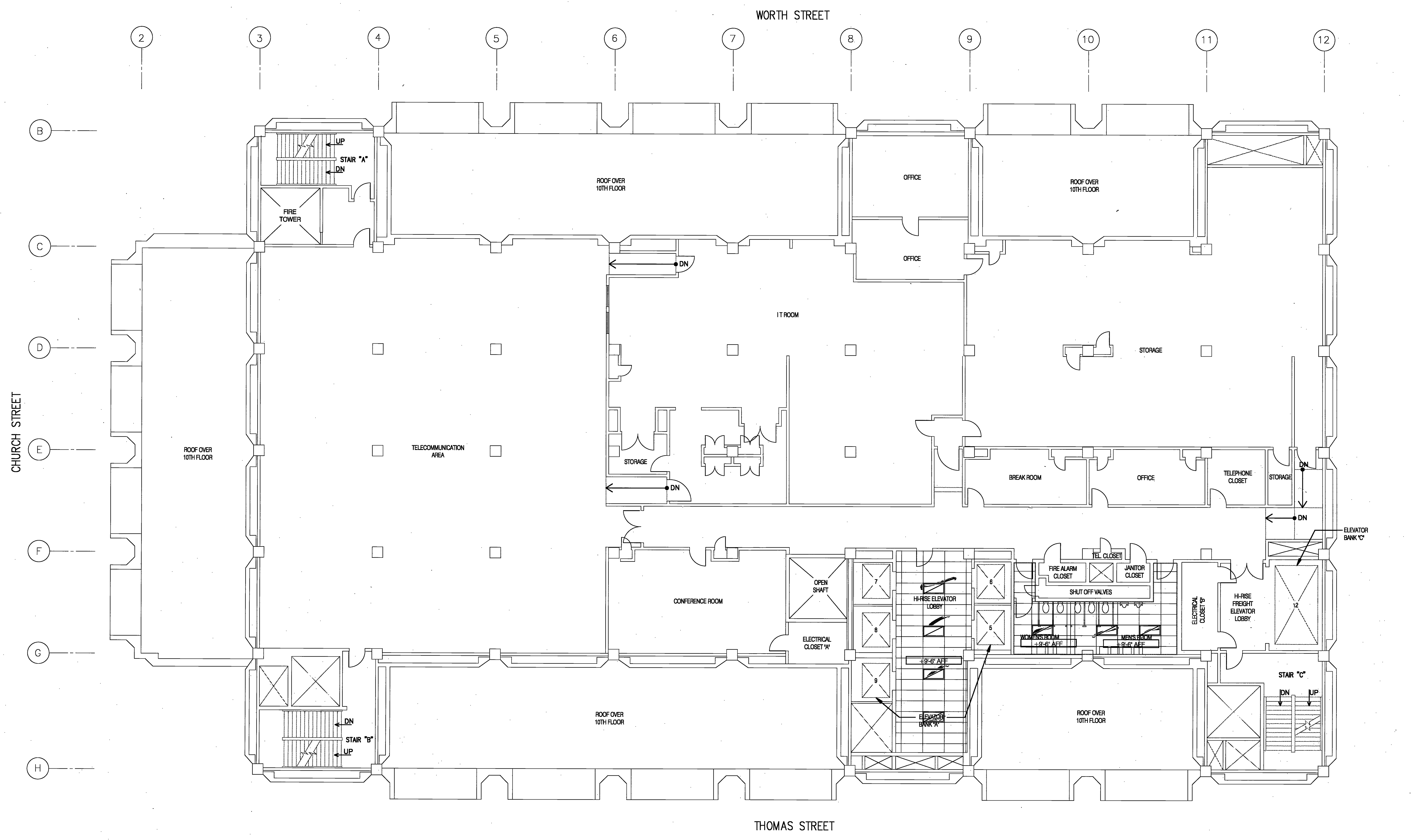
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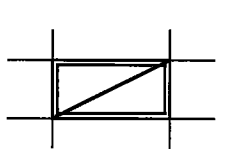


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1 PLAN: 22ND FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

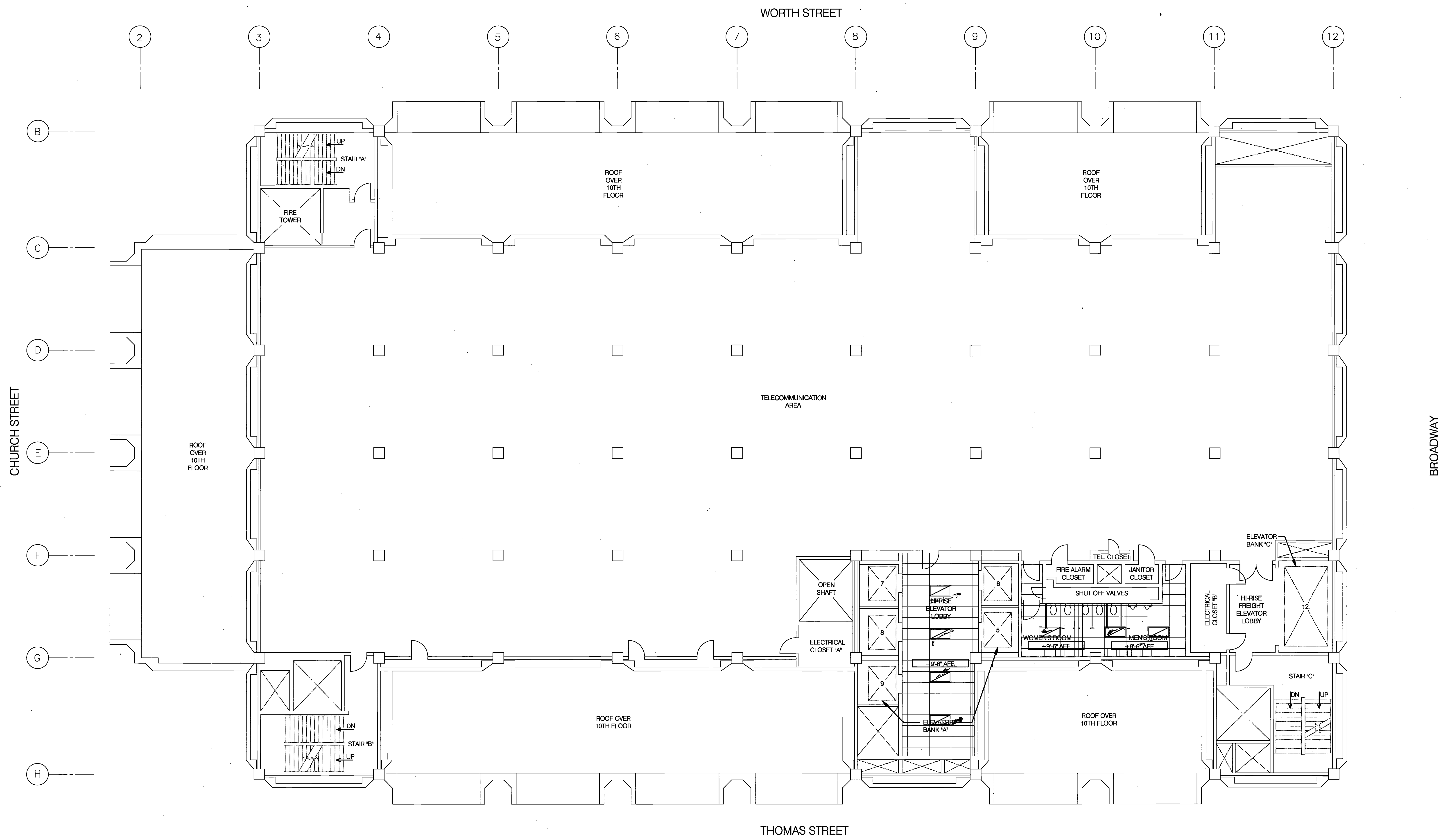
RICHARD GABEL
 JAN 0 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/103



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<i>Caroline</i> MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 615-3000	MH Margulies Hoelzli Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212.398.5700 Fax: 212.398.3152
MHA Project No. 14006.03	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
	AT&T 33 THOMAS STREET NEW YORK, NEW YORK
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22ND FLOOR PLAN	

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Date:	Sheet Count: 24 of 30
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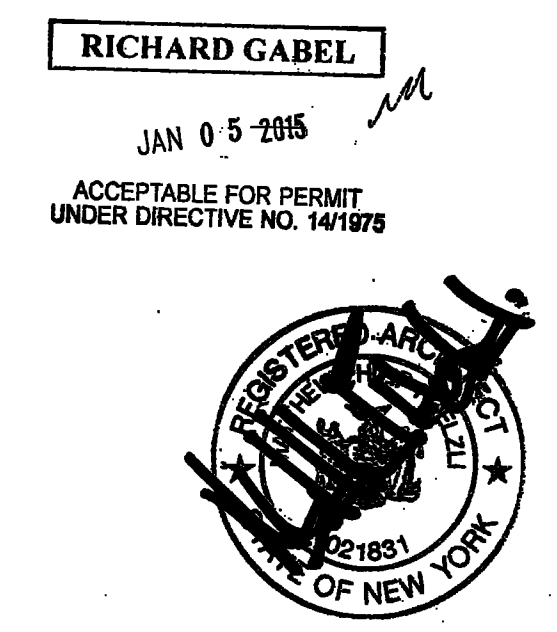
1 PLAN: 23RD FLOOR
 SCALE 1/8" = 1'-0"
 PLAN NORTH: N

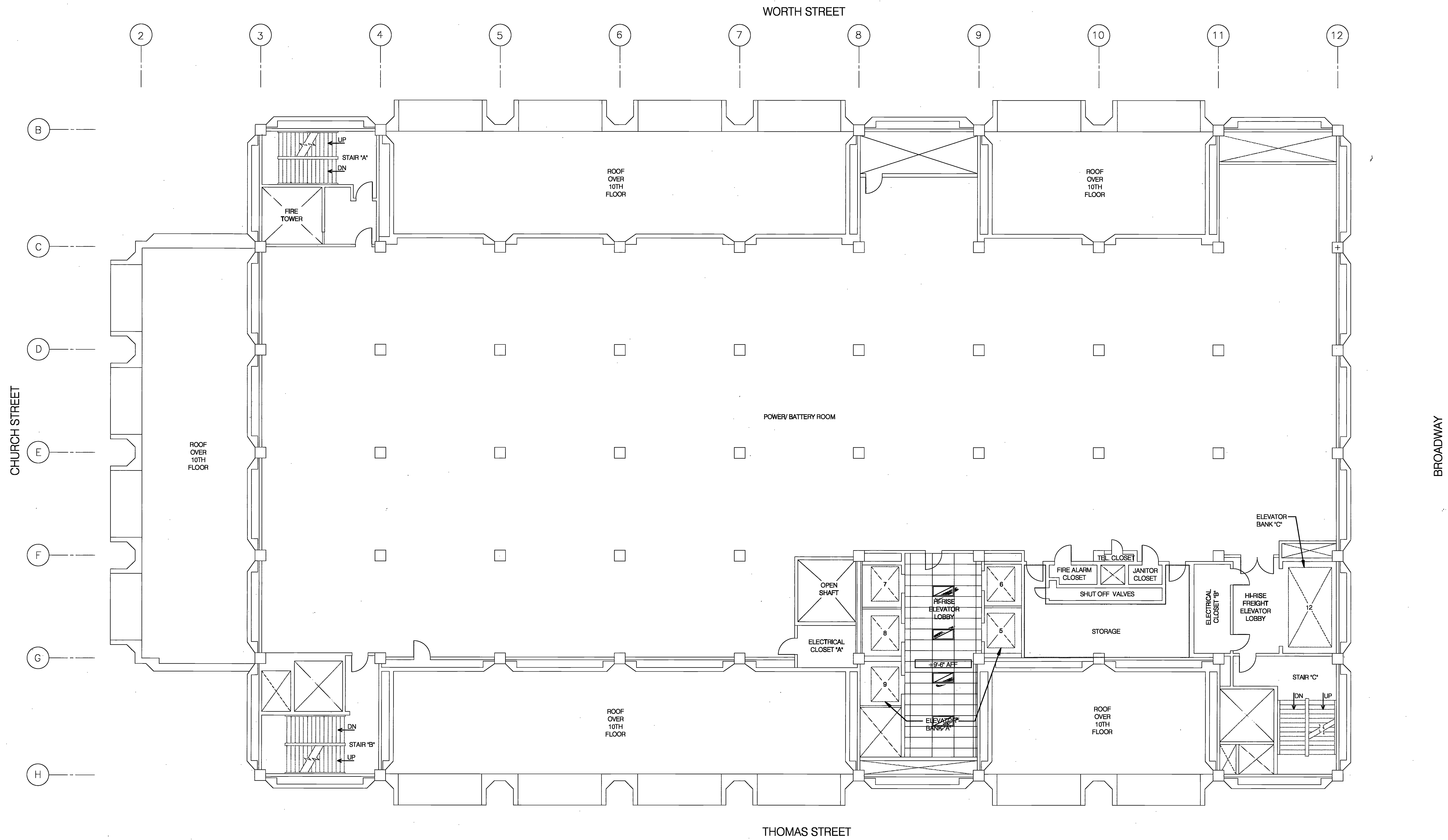
LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

FDNY - F.P. Index #1206102B
 FPIMS # 33191354

ISSUE	Desc:
2	
Date:	

ISSUE	Desc: Building Department Submission
1	Date: September 26, 2014
 	
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 616-3600 FAX: (212) 616-3700	
Margulies Huetzli Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212-368-5700 Fax: 212-368-5192	
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
	
T-Base #:	CLU Code: GEO Code:
23RD FLOOR PLAN	
Date:	Sheet Count: 26 of 30
A-123.00	





1
A124 PLAN: 24TH FLOOR
SCALE: 1/8" = 1'-0"
PLAN NORTH

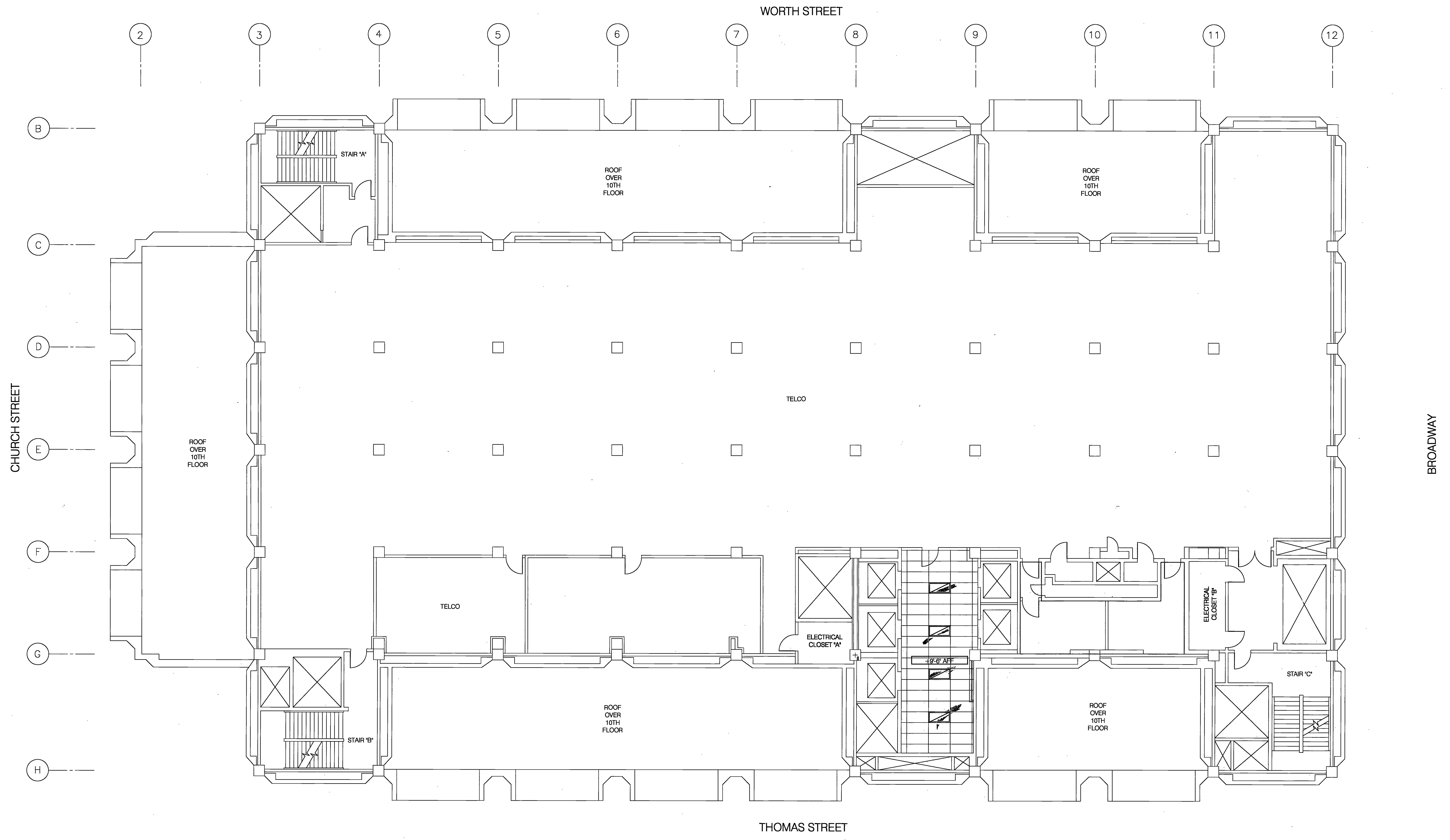
LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RICHARD GABEL
 JAN 05 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/1975



ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
 	
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021 TEL: (212) 615-3800	
Margulies Hoelzli Architecture 545 Eighth Avenue New York, NY 10018 Tel. 212.388.6700 Fax. 212.388.3182	
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
 AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #:	OLLI Code: GEO Code:
24TH FLOOR PLAN	
ISSUE 2	Desc.: Date:
FDNY - F.P. Index #1206102B FPIMS # 33191354	Sheet Count: 27 of 30
A-124.00	

FDNY - F.P. Index #1206102B
FPIMS # 33191354



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 PLAN NORTH:

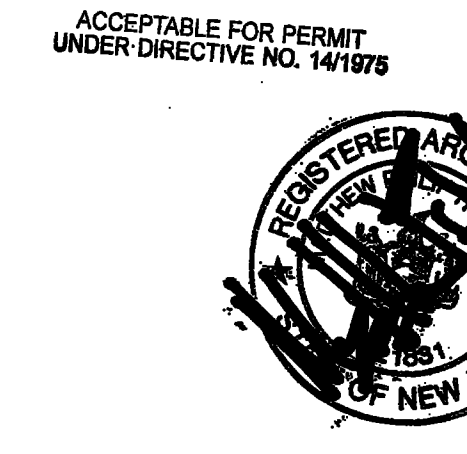
LEGEND

 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

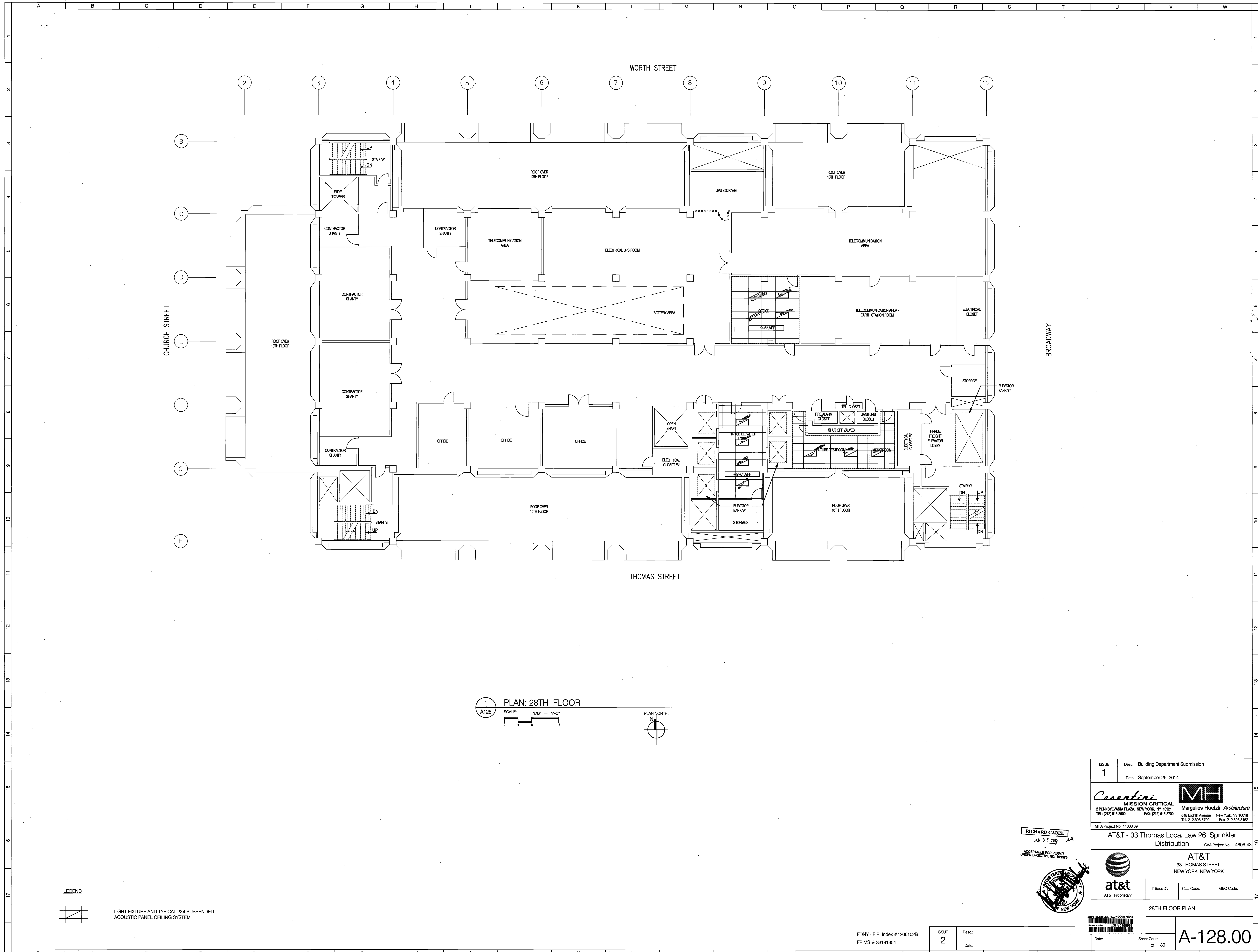
FDNY - F.P. Index #1206102B
 FPIMS # 33191354

ISSUE 2
 Desc:
 Date:

RICHARD GABEL
 JAN 8 5 2015





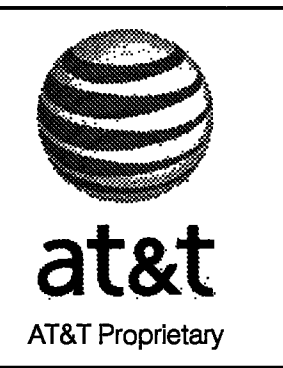
ISSUE 1	Desc.: Building Department Submission
Date: September 26, 2014	
MISSION CRITICAL Margulies Hoelzli Architecture 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 616-3800 FAX: (212) 616-3700 545 Eighth Avenue New York, NY 10018 Tel: 212-398-0700 Fax: 212-398-5152	
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK T-Base #: CLLI Code: GEO Code:	
27TH FLOOR PLAN	
A-127.00	



1 PLAN: 28TH FLOOR
 SCALE: 1/8" = 1'-0"
 PLAN NORTH: N

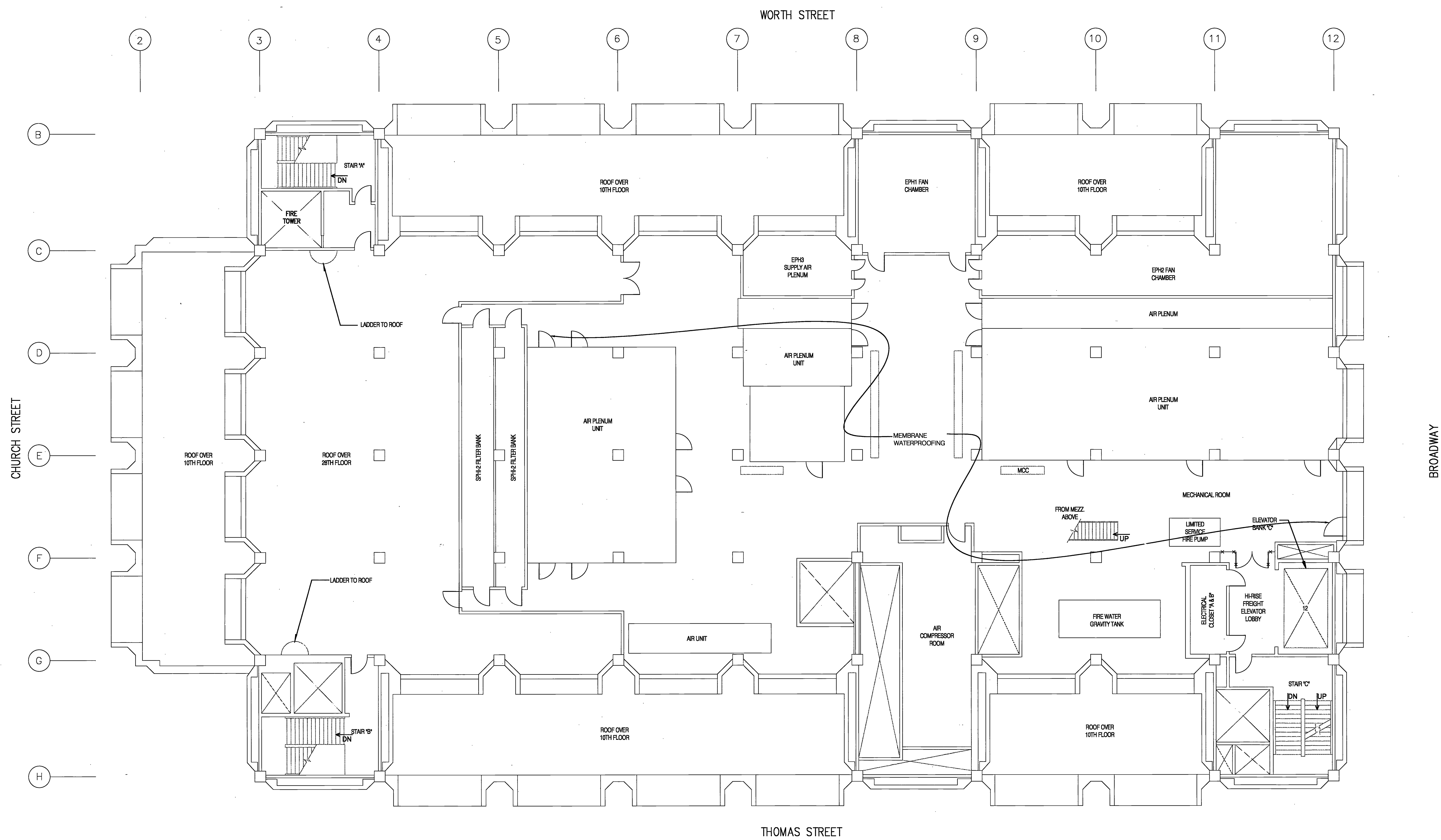
LEGEND
 LIGHT FIXTURE AND TYPICAL 2x4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RICHARD GABEL
 JAN 05 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 161978

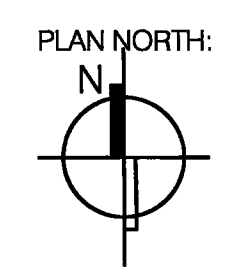
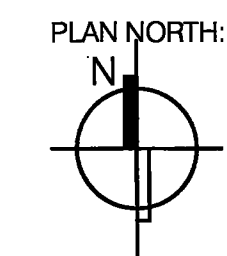
ISSUE 1	Desc.: Building Department Submission Date: September 26, 2014
 	
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021 TEL: (212) 615-3600	
Margulies Hoelzl Architecture 545 Eighth Avenue New York, NY 10018 Tel. 212.366.5700 Fax. 212.366.3152	
MHA Project No. 14008.09 AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #:	CLLJ Code: GEO Code:
28TH FLOOR PLAN	
	
Date:	Sheet Count: of 30
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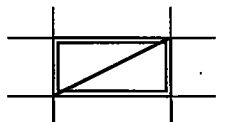
FDNY - F.P. Index #1206102B
 FPIMS # 33191354

ISSUE 2
 Desc.:
 Date:




1 PLAN: 29TH FLOOR
A129



LEGEND
 LIGHT FIXTURE AND TYPICAL 2X4 SUSPENDED ACOUSTIC PANEL CEILING SYSTEM

RICHARD GABEL
 JUN 9 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 147187



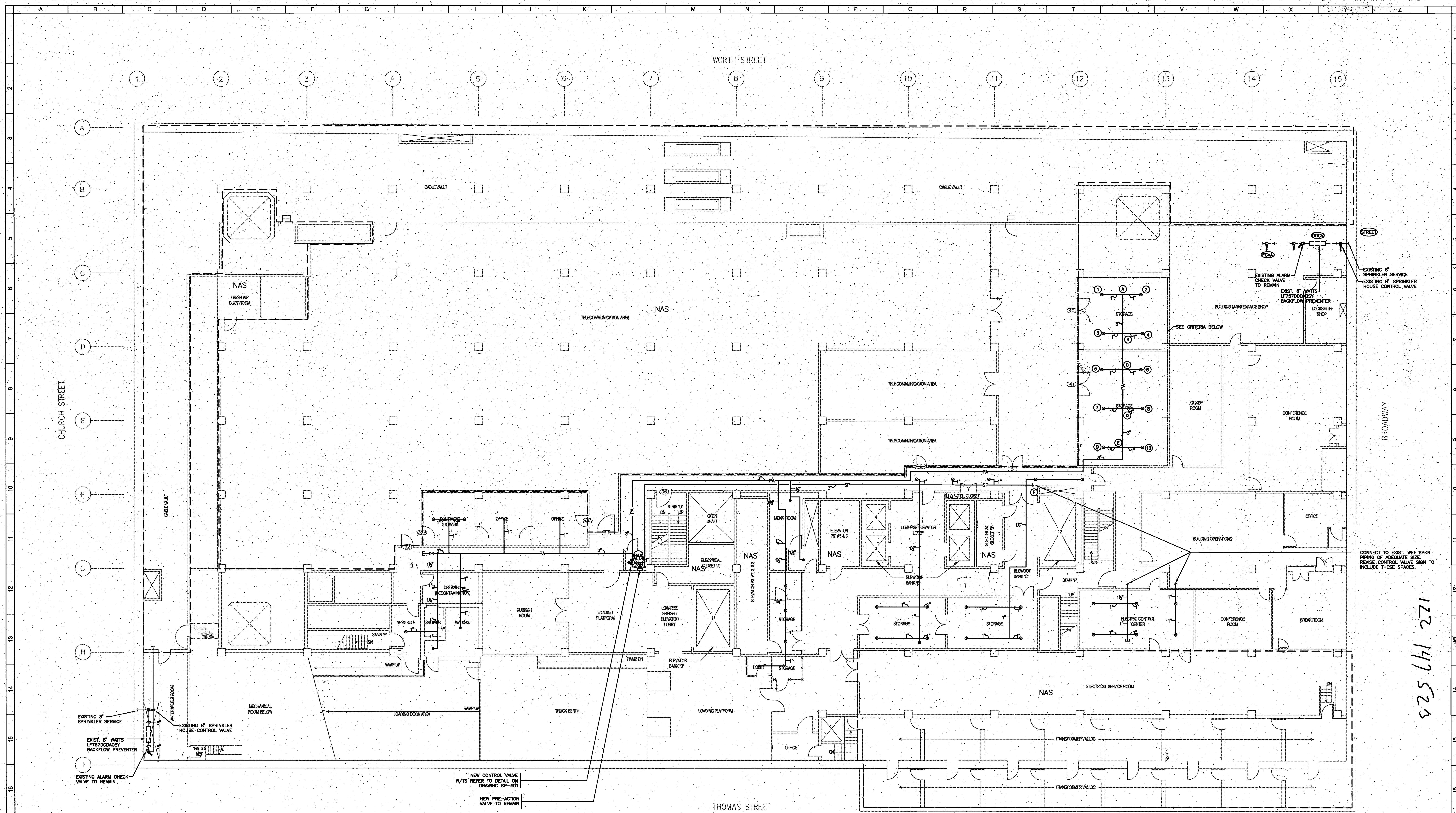
ISSUE 1	Desc.: Building Department Submission
	Date: September 26, 2014
 	
MISSION CRITICAL Margulies Hoesli Architecture 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10119 TEL: (212) 615-3600 FAX: (212) 615-3700 546 Eighth Avenue New York, NY 10018 Tel: 212-398-0700 Fax: 212-398-3152	
MHA Project No. 14006.09	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #:	CLJ Code: GEO Code:
29TH FLOOR PLAN	

FDNY - F.P. Index #1206102B
 FPIMS # 33191354

ISSUE 2
 Desc.:
 Date:

Date: Sheet Count: of 30
A-129.00

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NOTES (TYPICAL):

1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
2. CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
3. PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS. SEE MATERIAL SCHEDULE ON DWG. FP-001.
4. PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
5. PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
6. PROVIDE VICTALUC FIRELOCK SERIES 786 NXT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
- 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
- 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- 6.3. LIFE SAFETY FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL" - FIRE PROTECTION CONTRACTOR NOTES

1. DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES (BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
2. ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THESE BID PROPOSAL.
3. FOR CEILING HEIGHTS LISTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
4. SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

GENERAL NOTE:
THIS FLOOR IS PROTECTED BY EXISTING WET SPRINKLER SYSTEM PREVIOUSLY FILED AND APPROVED UNDER OTHER MISCELLANEOUS NUMBER, U.O.N.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC., THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

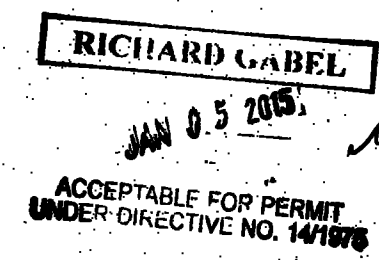



DESIGN CRITERIA INFORMATION (FILE BSMT-A)

1. AREA OF APPLICATION = 1100 SQ. FT.
2. OCCUPANCY CLASSIFICATION = ORDINARY HAZARD
3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
4. DESIGN DENSITY = 15 GPM/SQ. FT.
5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 10
6. "K" FACTOR OF SPRINKLER HEADS = 5.02
7. HOSE DEMAND = 1.5/AL GPM AT 1.5/AL
8. SPRINKLER SYSTEM DEMAND = 150.0 GPM @ 32.2 PSI AT STREET
9. AVAILABLE WATER SUPPLY = 500 GPM @ 38.9 PSI AT STREET
10. DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

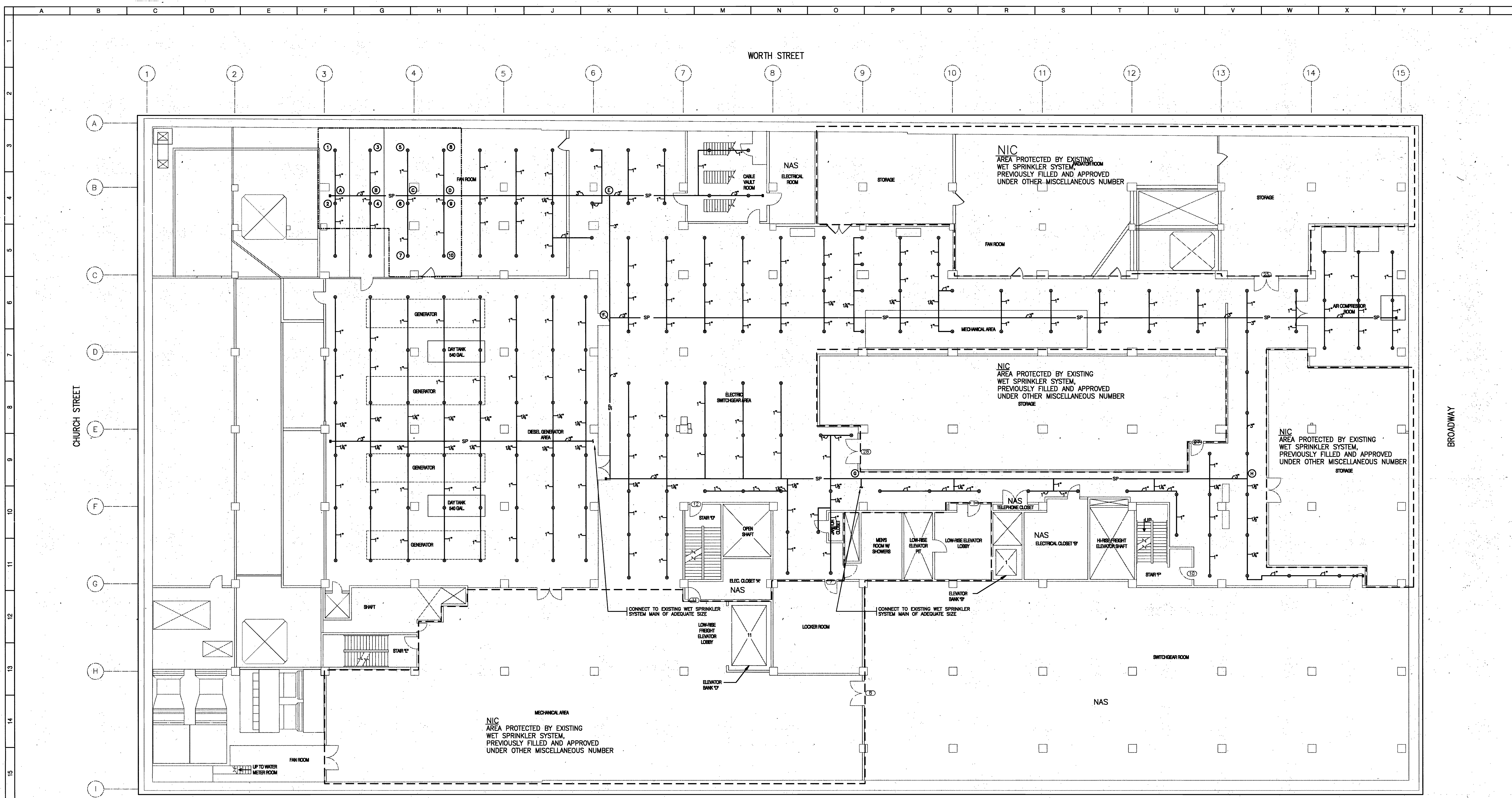
FDNY - F.P. Index #1206102B
FPIMS # 33191354

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ISSUE 3
Desc: Issue For DOB Submission
Date: December 11, 2014

ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
Date: SEPTEMBER 26, 2014	
Date: SEPTEMBER 02, 2014	
  	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution Distribution CAA Project No. 4806-43	
	
T-Base #: CLI Code: GEO Code:	
SPRINKLER BASEMENT 'A' LEVEL	
Doc. Control #:	Sheet Count: 6 of 33
Date:	SP-197.00

FILE NAME: I:\4806-43\FIRE\4806-43 SP-198.00 B1.dwg SAVED ON 12/11/2014 1:35 PM PLOTTED ON 12/11/2014 1:35 PM PLOTTED BY TOLKACH, LYUDMILA



NOTES (TYPICAL):

1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
2. CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
3. PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-401.
4. PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
5. PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
6. PROVIDE VICTAULIC FIRELOCK SERIES 789 NXT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
- 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
- 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- 6.3. LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL"-FIRE PROTECTION CONTRACTOR NOTES

- 1.- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES (BUT MOST IMPORTANT WITH THE HVAC, ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
- 2.- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THERE BID PROPOSAL.
- 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
- 4.- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPR. HEAD, ALLOW FOR ADDITIONAL SPR. HEADS WITH BRANCH PIPING FOR SPR. HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPR. HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPR. HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

DESIGN CRITERIA INFORMATION (FILE BASMT-B FL)

1. AREA OF APPLICATION = 1,880 SQ.FT.
2. OCCUPANCY CLASSIFICATION = ORDINARY HAZARD
3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
4. DESIGN DENSITY = .15 GPM/SQ.FT.
5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 10.
6. "K" FACTOR OF SPRINKLER HEADS = 5.62
7. HOSE DEMAND = N/A GPM AT N/A
8. SPRINKLER SYSTEM DEMAND = 183.4 GPM @ 20.8 PSI AT STREET
9. AVAILABLE WATER SUPPLY = 500 GPM @ 20.8 PSI AT STREET
10. DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

RICHARD LABEL
JAN 9 5 2015
ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14789

ISSUE 2	Date: September 26, 2014
ISSUE 1	Date: SEPTEMBER 02, 2014
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution	

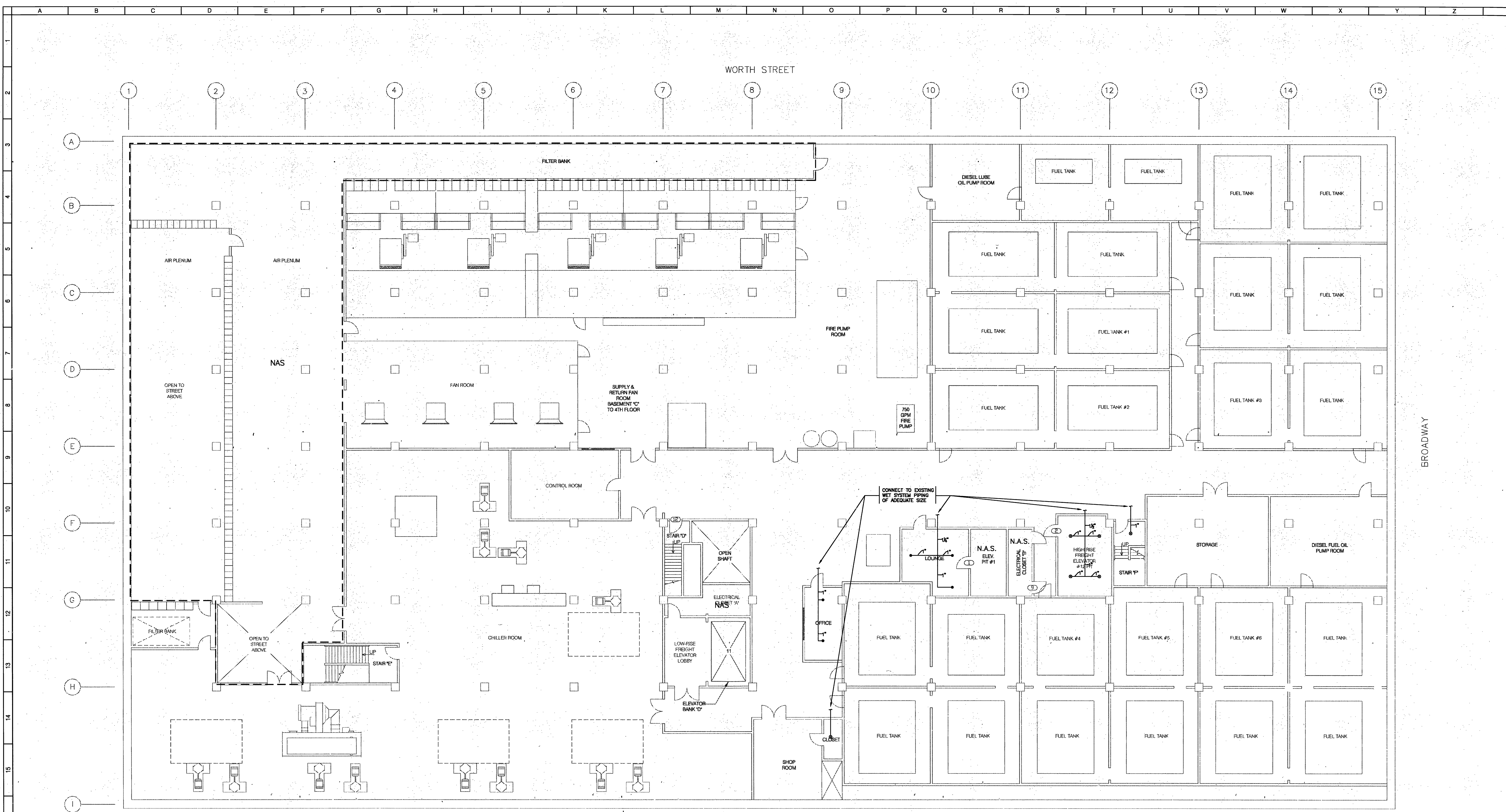
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T-Base #:	CLU Code:	GEO Code:
SPRINKLER BASEMENT "B" LEVEL		
Doc. Control #:		
Date:	Sheet Count:	SP-198.00
	5 of 33	

FDNY - F.P. Index #1206102B
FPIMS # 33191354

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ISSUE 3
Date: December 11, 2014

FILE NAME: I:\806-43\FIRE\806-43 SP-199.00 B O.dwg SAVED ON: 9/19/2014 9:42 AM PLOTTED ON: 9/19/2014 12:11 PM PLOTTED BY: SEREN KADR



- NOTES (TYPICAL):**
- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 - CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
 - PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS. SEE MATERIAL SCHEDULE ON DWG. FP-001.
 - PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 - PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 - PROVIDE VICTALIC FIRELOCK SERIES 789 NKT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 - IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
 - CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
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- "GENERAL"-FIRE PROTECTION CONTRACTOR NOTES**
- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES, BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
 - ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, COURSEWORK, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THERE BID PROPOSAL.
 - FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
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GENERAL NOTE:
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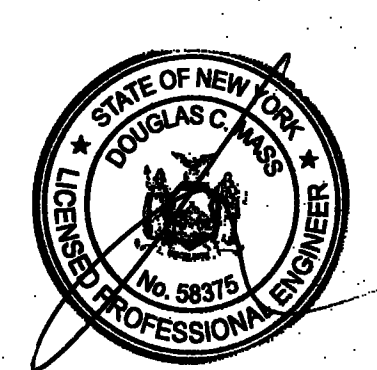
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FDNY - F.P. Index #12061029
FPMS # 33191354

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ISSUE 3
Date:

RICHARD LABEL
JAN 27 2015



ISSUE 2	Desc.: Building Department Submission
Date: September 26, 2014	
ISSUE 1	Desc.: ISSUED FOR REVIEW
Date: SEPTEMBER 02, 2014	

MISSION CRITICAL
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021
TEL: (212) 915-3800 FAX: (212) 915-3700

Margulies Huetzel Architecture
545 Eighth Avenue New York, NY 10018
Tel: (212) 368-0700 Fax: (212) 368-3192

AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CMA Project No. 4806-43

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AT&T Proprietary

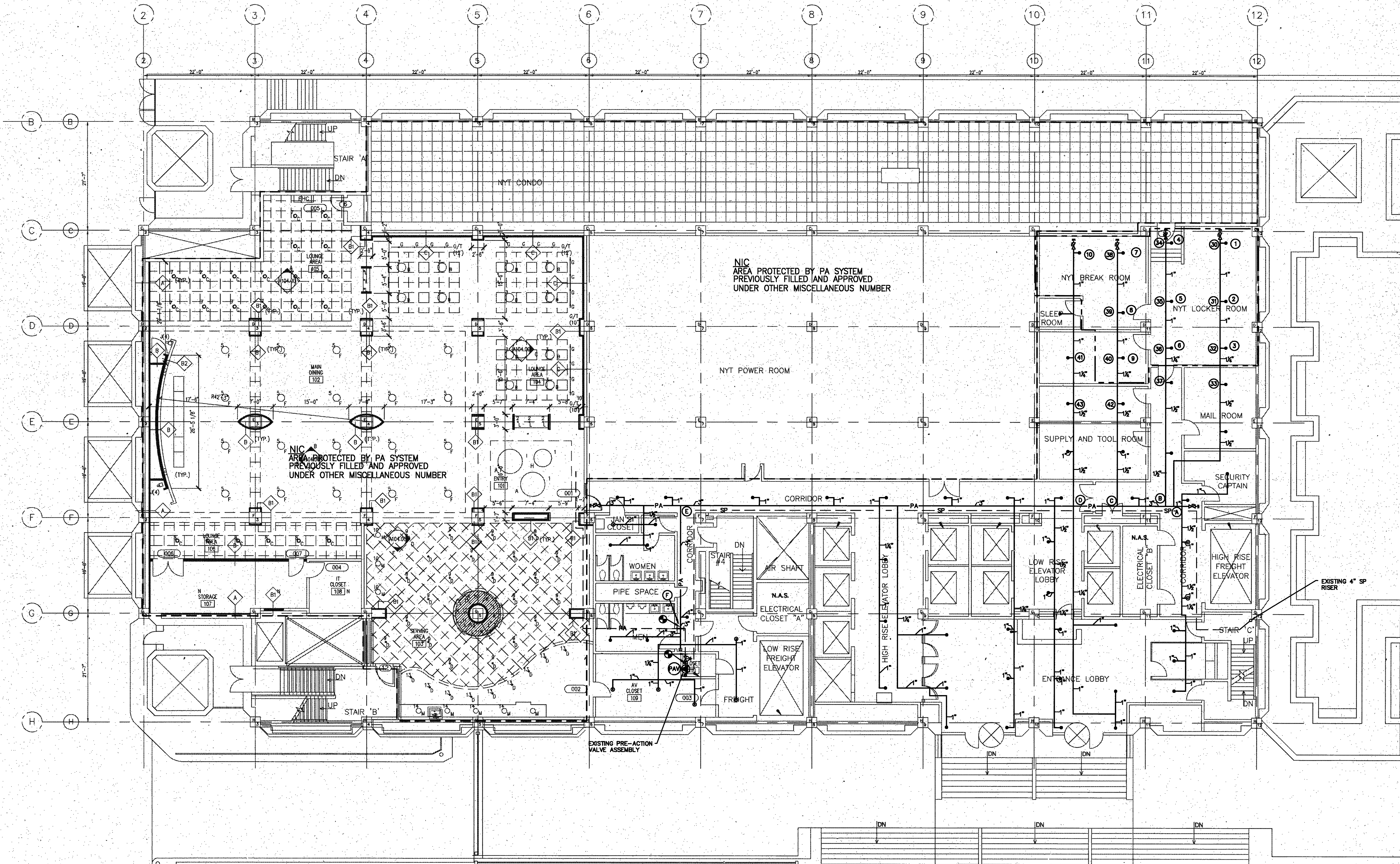
AT&T
33 THOMAS STREET
NEW YORK, NEW YORK

T-base #: OLU Code: GEO Code:

SPRINKLER BASEMENT 'C'

SP-199.00

THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



NOTES (TYPICAL):

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- PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
- PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
- PROVIDE METALULC FIRELOCK SERIES 769 HKT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. PP-401.
- IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
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- 1.- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE C.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURE, MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEERS. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
- 2.- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THESE BID PROPOSAL.
- 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
- 4.- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC., THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

DESIGN CRITERIA INFORMATION (FILE 1ST FL)

1. AREA OF APPLICATION = 1,080 SQ.FT.
2. OCCUPANCY CLASSIFICATION = RESIDENTIAL HAZARD
3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
4. DESIGN DENSITY = .15 GPM/SQ.FT.
5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 10.
6. "K" FACTOR OF SPRINKLER HEADS = 5.62
7. HOSE DEMAND = N/A GPM AT N/A
8. SPRINKLER SYSTEM DEMAND = 122.5 GPM 153.8 PSI AT BOR
9. AVAILABLE WATER SUPPLY = 500 GPM 283 PSI AT .BOR.
10. DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

FILE NAME: W4806-09FIRE4806-03 SP-101.DWG SAVED ON 12/11/2014 1:32 PM PLOTTED ON 12/11/2014 1:38 PM PLOTTED BY TOLKACH, LYUDMILA

FDNY - F.P. Index #12061028
 FPIMS # 33191354

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ISSUE 3 Desc: Issue For DOB Submission
 Date: December 11, 2014

ISSUE 2	Desc: Building Department Submission	Date: September 26, 2014
ISSUE 1	Desc: ISSUED FOR REVIEW	Date: SEPTEMBER 02, 2014

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 341689

Richard Gabel
 JAN 6 2 18 PM '14

MISSION CRITICAL
 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021
 TEL: (212) 615-3800

Margulies Hertz Architecture
 545 Eighth Avenue New York, NY 10018
 Tel: 212.398.5700 Fax: 212.398.3152

AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43

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 AT&T Proprietary

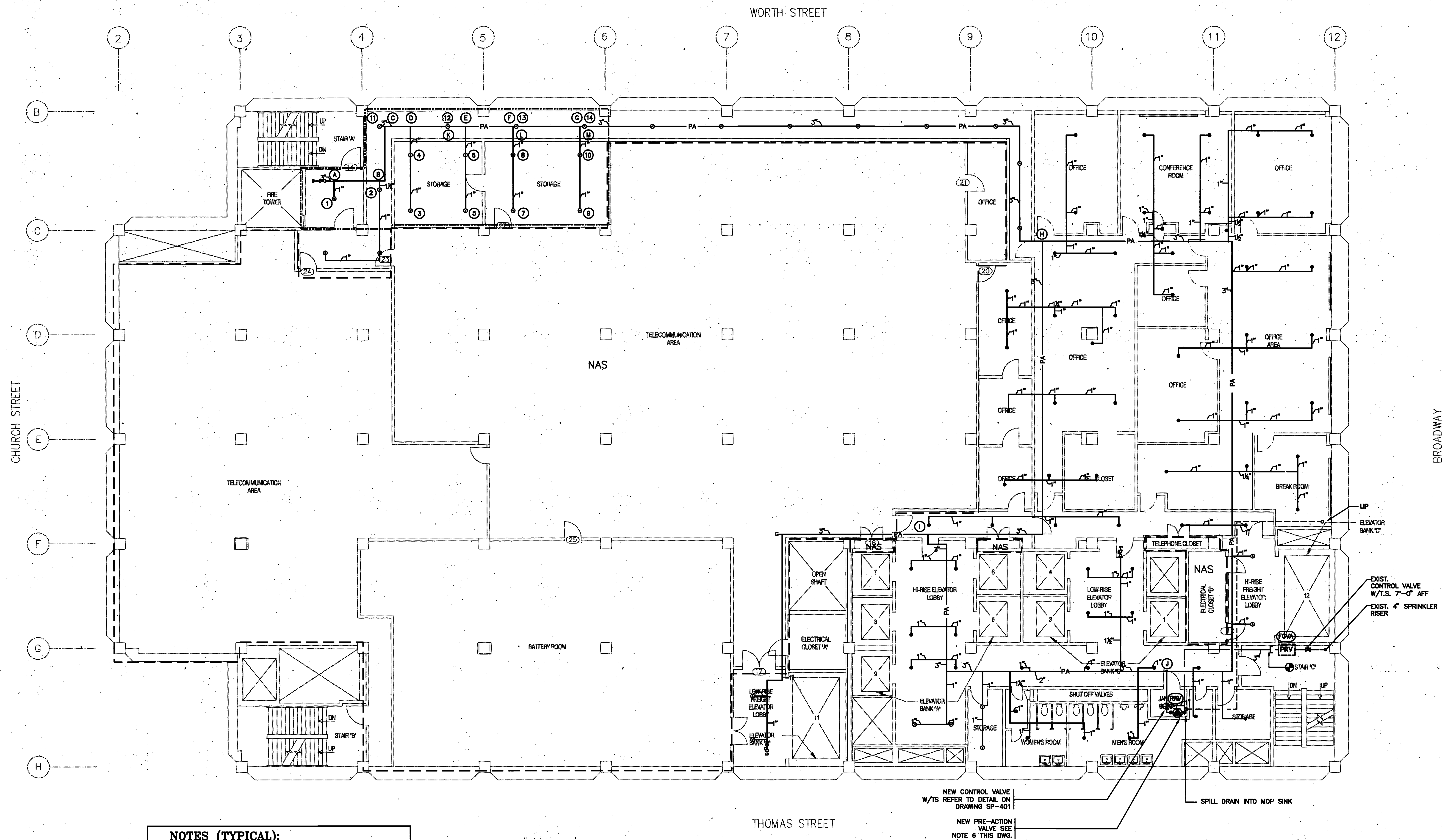
AT&T
 33 THOMAS STREET
 NEW YORK, NEW YORK

T-Base #: CLU Code: GEO Code:

Doc. Control #:
 Date: Sheet Count: 7 of 33

SPRINKLER 1ST FLOOR PLAN

SP-101.00



NOTES (TYPICAL):

- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
- CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
- PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-001.
- FIT PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
- PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
- PROVIDE METALLIC FIBRELOCK SERIES 789 NWT WITH PRE-ACTION TRIM WITH MOD-744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
- IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
- CONCEALED PENDANT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL"-FIRE PROTECTION CONTRACTOR NOTES

- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THERE BID PROPOSAL.
- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4"-12" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDANT LIGHTS, DUCTWORK, ETC.

DESIGN CRITERIA INFORMATION (FILE 3RD FL.)

- AREA OF APPLICATION = 1,090 SQ.FT.
- OCCUPANCY CLASSIFICATION = GOVERNMENT HAZARD
- MAXIMUM COVERAGE PER SPRINKLER HEAD = 225 SQ. FT.
- DESIGN DENSITY = .15 GPM/SQ.FT.
- NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 13.
- K_f FACTOR OF SPRINKLER HEADS = 5.82
- HOSE DEMAND = N/A GPM AT N/A
- SPRINKLER SYSTEM DEMAND = 238.2 GPM 158.7 PSI AT BOR
- AVAILABLE WATER SUPPLY = 500 GPM 288 PSI AT BOR
- DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

FDNY - F.P. Index #12061028
FPIMS # 33191354

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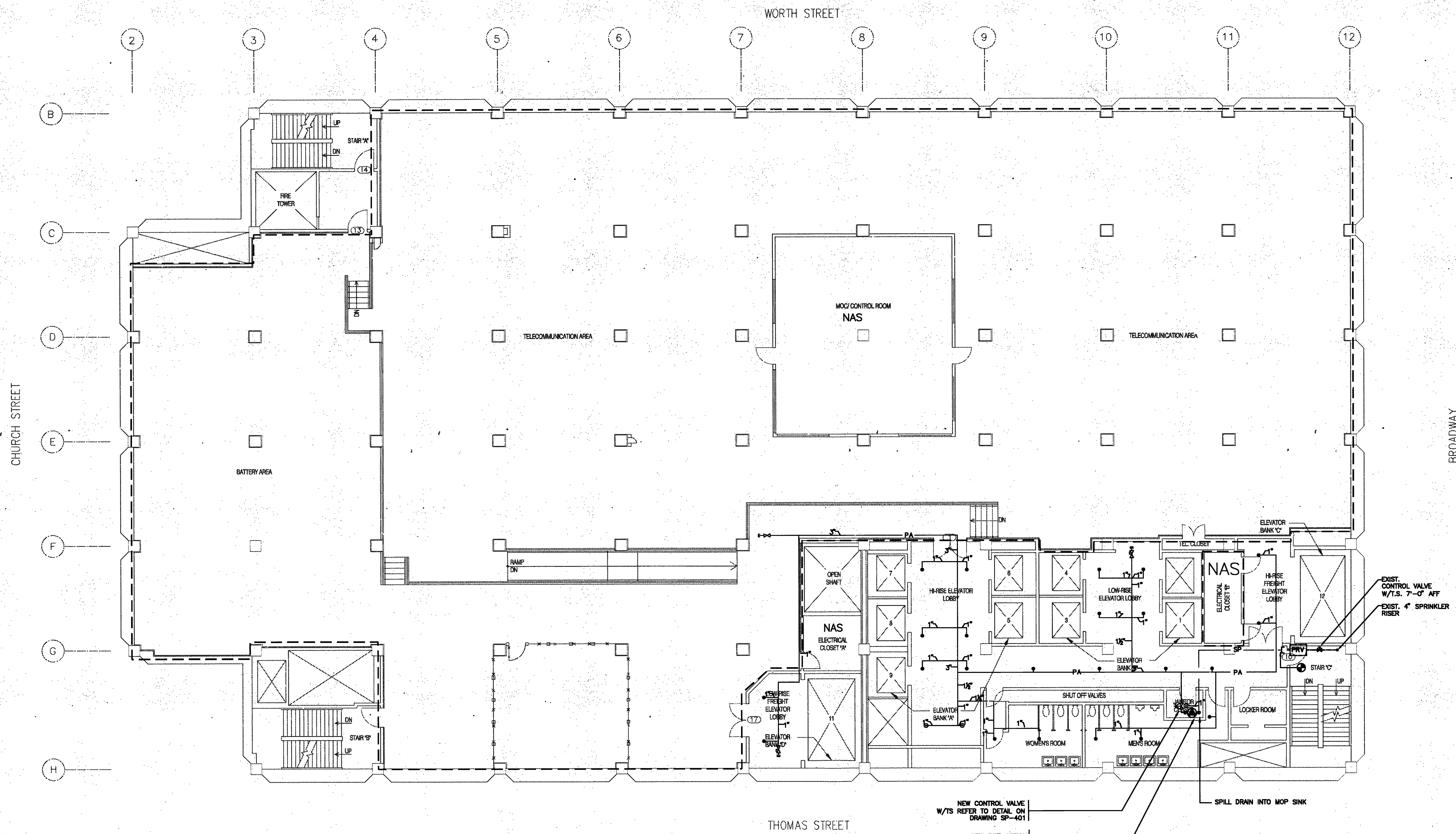
ISSUE 3
Date: December 11, 2014

RICHARD GABEL
ACCEPTANCE FOR PERMIT UNDER DIRECTIVE NO. 19/098

ISSUE 2	Date: Building Department Submission
ISSUE 1	Date: SEPTEMBER 02, 2014
AT&T - 33 Thomas Local Law 26A Sprinkler Distribution CAA Project No. 4806-43	

AT&T 33 THOMAS STREET NEW YORK, NEW YORK		
T-Base #:	CUJ Code:	GEO Code:
SPRINKLER 3RD FLOOR PLAN		
Doc. Control #:	SHEET 9 OF 33	
SP-103.00		

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NOTES (TYPICAL):

- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
- CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
- PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS. SEE MATERIAL SCHEDULE ON DWG. FP-001.
- PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
- PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
- PROVIDE VICTAULIC FIRELOCK SERIES 700 NOT WITH PRE-ACTION TEST WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
- 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
- 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- 6.3. LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL"-FIRE PROTECTION CONTRACTOR NOTES

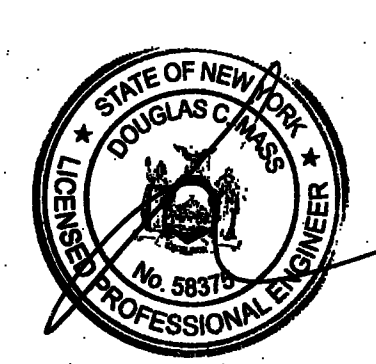
- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEERS. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THESE, BID PROPOSAL.
- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTIVE CEILING PLANS.
- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC., THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0" THAT ARE COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
Date: SEPTEMBER 02, 2014	
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10119 TEL: (212) 915-8000 FAX: (212) 915-8700 545 Eighth Avenue New York, NY 10018 Tel. 212.368.5700 Fax. 212.368.3182	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution	
T-Base #: CLI Code: GEO Code:	
SPRINKLER 2ND FLOOR PLAN	
SP-102.00	

RICHARD GARRELL
JAN 0 5 2014



FDNY - F.P. Index #1206102B
FPIMS # 33191354

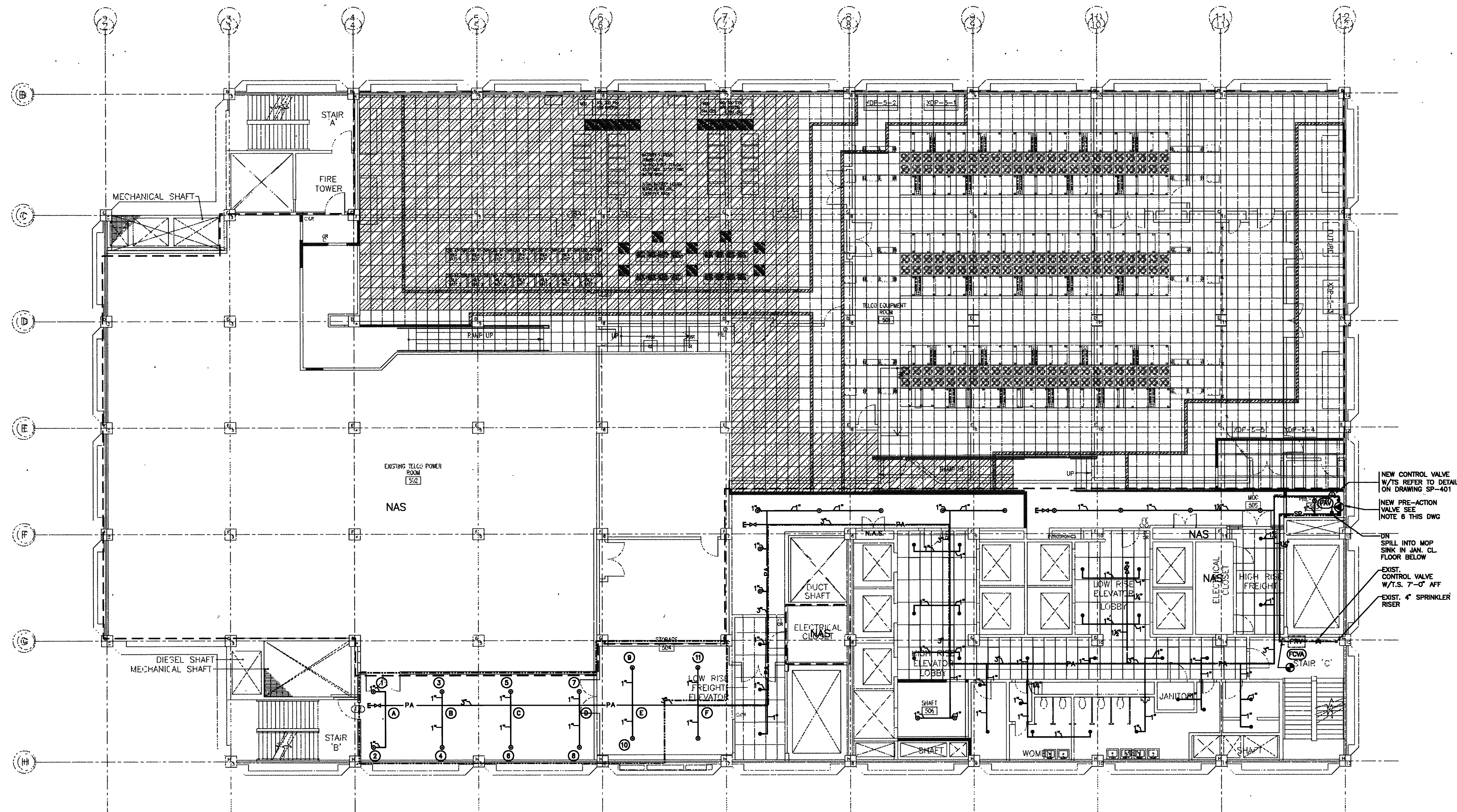
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ISSUE 3
Date:

THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE HELD UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

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FILE NAME: I:\68043\REVISED SP-104\DWG SP-104-004.FLD Wg SAVED ON 12/11/2014 1:31 PM PLOTTED ON 12/11/2014 1:38 PM PLOTTED BY TOLKACH, LYDIA



NOTES (TYPICAL):

- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
- CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
- PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-001.
- PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
- PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
- PROVIDE VICTALUC FIRELOCK SERIES 769 NXT WITH PRE-ACTION TRIM WITH M20.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR, SEE DETAIL DWG. FP-401.
1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 4\"/>
2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
3. LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL"-FIRE PROTECTION CONTRACTOR NOTES

- 1.- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE S.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES (BUT MOST IMPORTANT WITH THE HVAC, ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
- 2.- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN WORKING UP THERE BID PROPOSAL.
- 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
- 4.- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC.

THAT ARE CLOSE UP SPACED 4\"/>

DESIGN CRITERIA INFORMATION (FILE 4TH FL)

1. AREA OF APPLICATION = 1080 SQ.FT.
2. OCCUPANCY CLASSIFICATION = DESIGNATED HAZARD
3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
4. DESIGN DENSITY = .15 GPM/SQ.FT.
5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 11
6. K_F FACTOR OF SPRINKLER HEADS = 3.62
7. HOSE DEMAND = 3/4\"/>
8. SPRINKLER SYSTEM DEMAND = 173.2 GPM @ 115.9 PSI AT BOR
9. AVAILABLE WATER SUPPLY = 500 GPM 280 PSI AT BOR.
10. DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2006
 - NFPA-13-2002

NEW CONTROL VALVE
N.Y.C. REFER TO DETAIL
ON DRAWING SP-401

NEW PRE-ACTION
VALVE SEE
NOTE 6 THIS DWG

DN
SPILL INTO MOP
SINK IN JAN. CL.
FLOOR BELOW

EXIST.
CONTROL VALVE
W/TS. 7\"/>

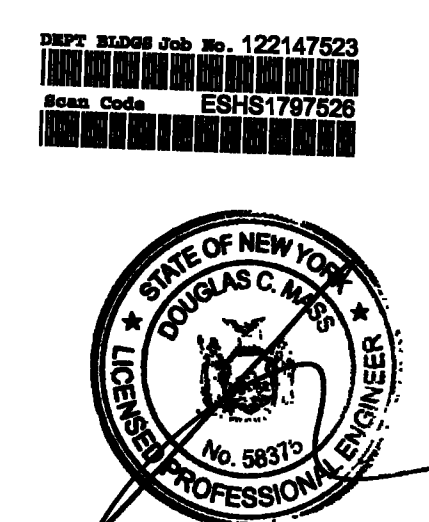
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FDNY - F.P. Index #1206102B
FPIMS # 33191354

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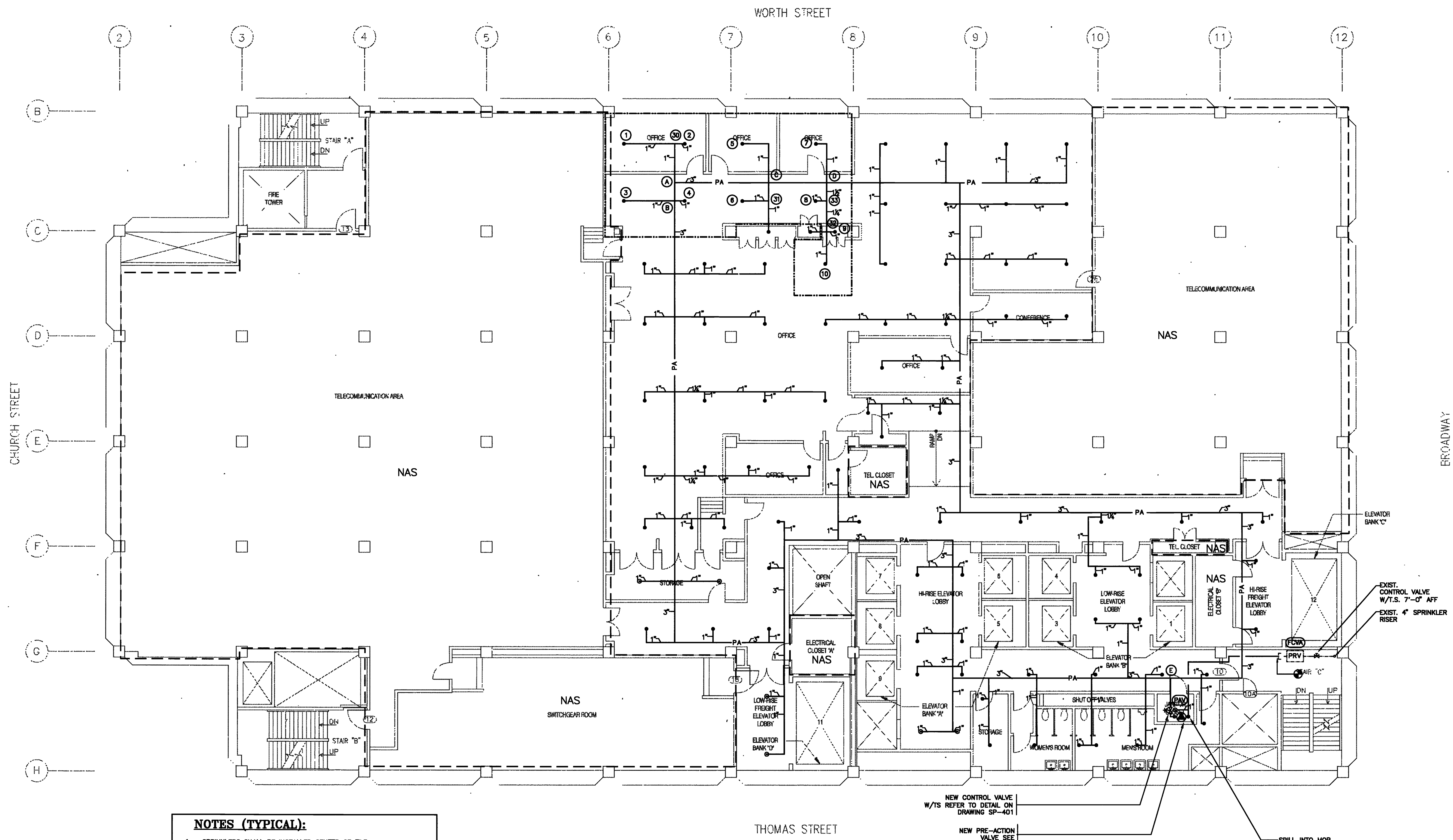
ISSUE 3
Desc: Issue For DOB Submission
Date: December 11, 2014

RICHARD J. LABEL
JAN 13 2015
ACCEPTABLE FOR PERMIT
UNDESTRUCTIVE NO. 14718



ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #: CLLI Code: GEO Code:	
SPRINKLER 4TH FLOOR PLAN	
Doc. Control #:	ISSUE 3
Date:	Desc: Issue For DOB Submission
Sheet Count:	Date: December 11, 2014
10 of 33	SP-104.00

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NOTES (TYPICAL):

1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
2. CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
3. PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-001.
4. FITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
5. PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
6. PROVIDE VICTALIC FIRELOCK SERIES 789 NXT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR, SEE DETAIL DWG. FP-401.
- 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
- 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- 6.3. LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL" - FIRE PROTECTION CONTRACTOR NOTES

1. DUE TO TIGHT CONSTRUCTION CONDITIONS AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE HVAC, ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
2. ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THERE BID PROPOSAL.
3. FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
4. SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD, ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4"-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0" AND COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

DESIGN CRITERIA INFORMATION (FILE 6TH FL.)

1. AREA OF APPLICATION = 1080 SQ.FT.
2. OCCUPANCY CLASSIFICATION = LIGHT HAZARD
3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 225 SQ. FT.
4. DESIGN DENSITY = .10 GPM/SQ.FT.
5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 10
6. "K" FACTOR OF SPRINKLER HEADS = 5.82
7. HOSE DEMAND = 1.5 GPM AT 150 PSI
8. SPRINKLER SYSTEM DEMAND = 130.2 GPM @ 33.7 PSI AT BOR
9. AVAILABLE WATER SUPPLY = 500 GPM @ 245 PSI AT BOR.
10. DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

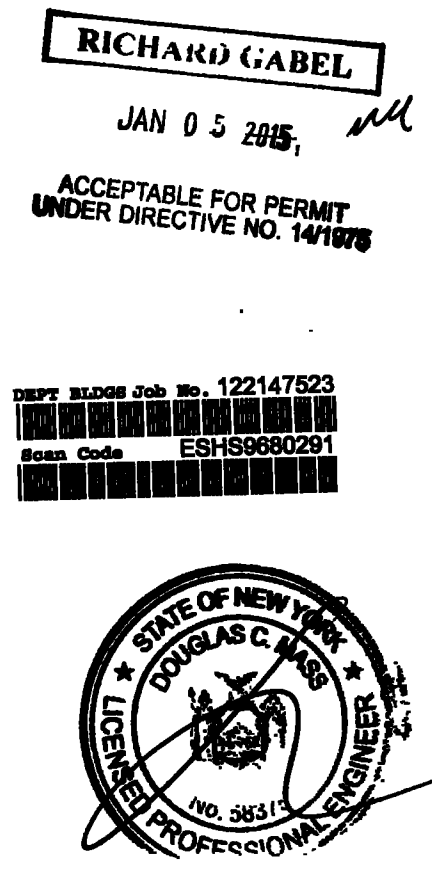
THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS OTHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

FDNY - F.P. Index #1206102B
 FPIMS # 33191354

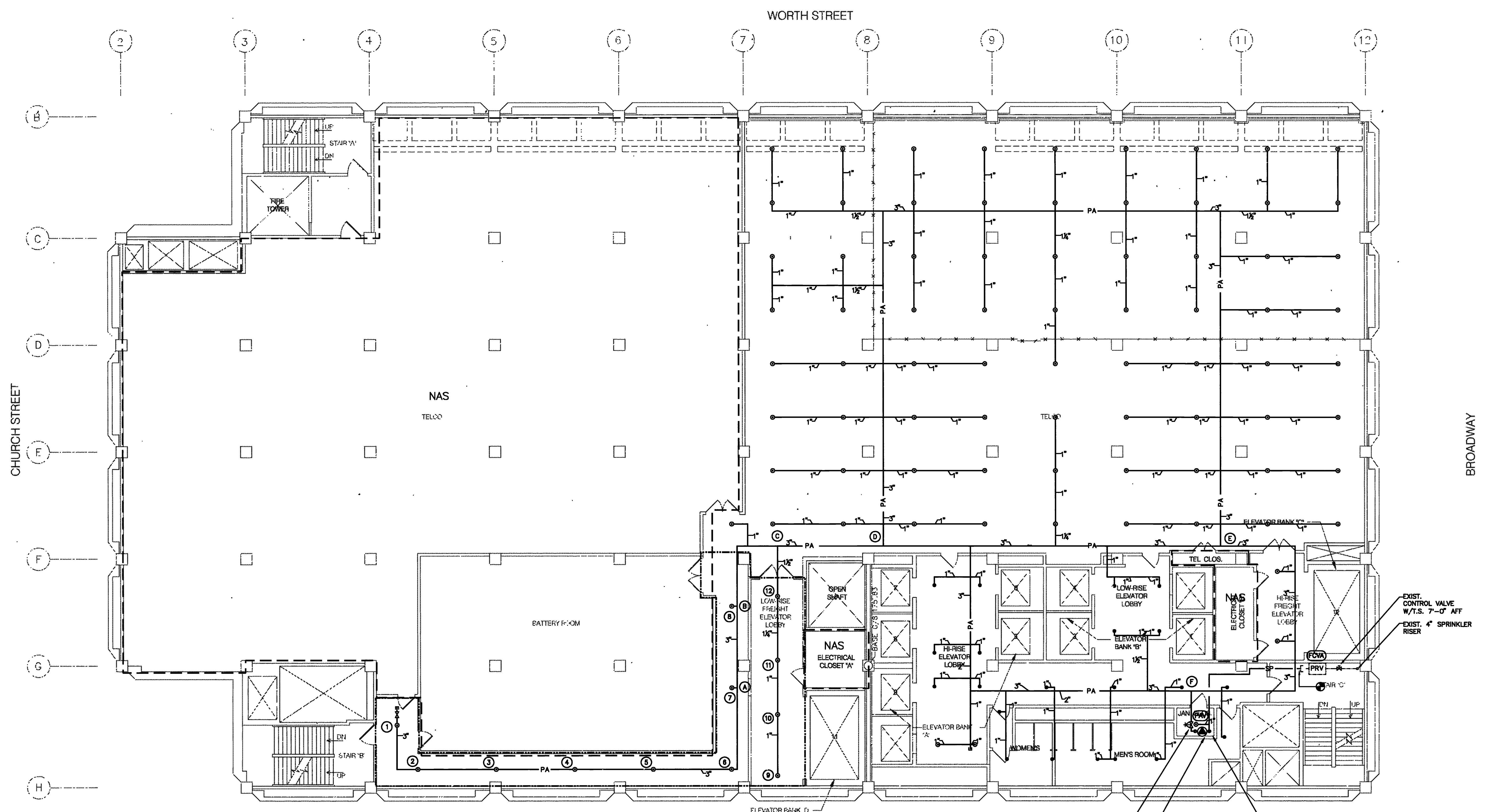
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ISSUE 3
 Desc: Issue For DOB Submission
 Date: December 11, 2014

ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
SPRINKLER 6TH FLOOR PLAN	
Doc. Control #:	SP-106.00
Date:	Sheet Count: 11 of 33



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- NOTES (TYPICAL):**
- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 - CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
 - PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-401.
 - PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 - PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 - PROVIDE METALLIC FIRELOCK SERIES 789 NKT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
 2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
 3. LIFE SAFETY FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

- "GENERAL" - FIRE PROTECTION CONTRACTOR NOTES**
- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES, BUT MOST IMPORTANT WITH THE N.Y.C. ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE, ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
 - ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THERE BID PROPOSAL.
 - FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
 - SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

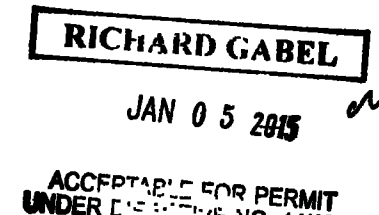


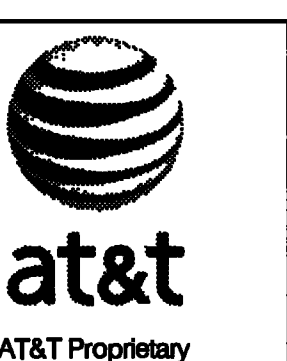


CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPR. HEAD, ALLOW FOR ADDITIONAL SPR. HEADS WITH BRANCH PIPING FOR SPR. HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC., THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPR. HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPR. HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

- DESIGN CRITERIA INFORMATION (FILE 7TH FL.)**
- AREA OF APPLICATION = 1080 SQ.FT.
 - OCCUPANCY CLASSIFICATION = ORDINARY HAZARD
 - MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
 - DESIGN DENSITY = 15 GPM/SQ.FT.
 - NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 12
 - "K" FACTOR OF SPRINKLER HEADS = 5.82
 - NOSE DEMAND = 1/2" GPM AT 1/2"
 - SPRINKLER SYSTEM DEMAND = 256.1 GPM 130.04 PSI AT BOR
 - AVAILABLE WATER SUPPLY = 500 GPM 232 PSI AT BOR
 - DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

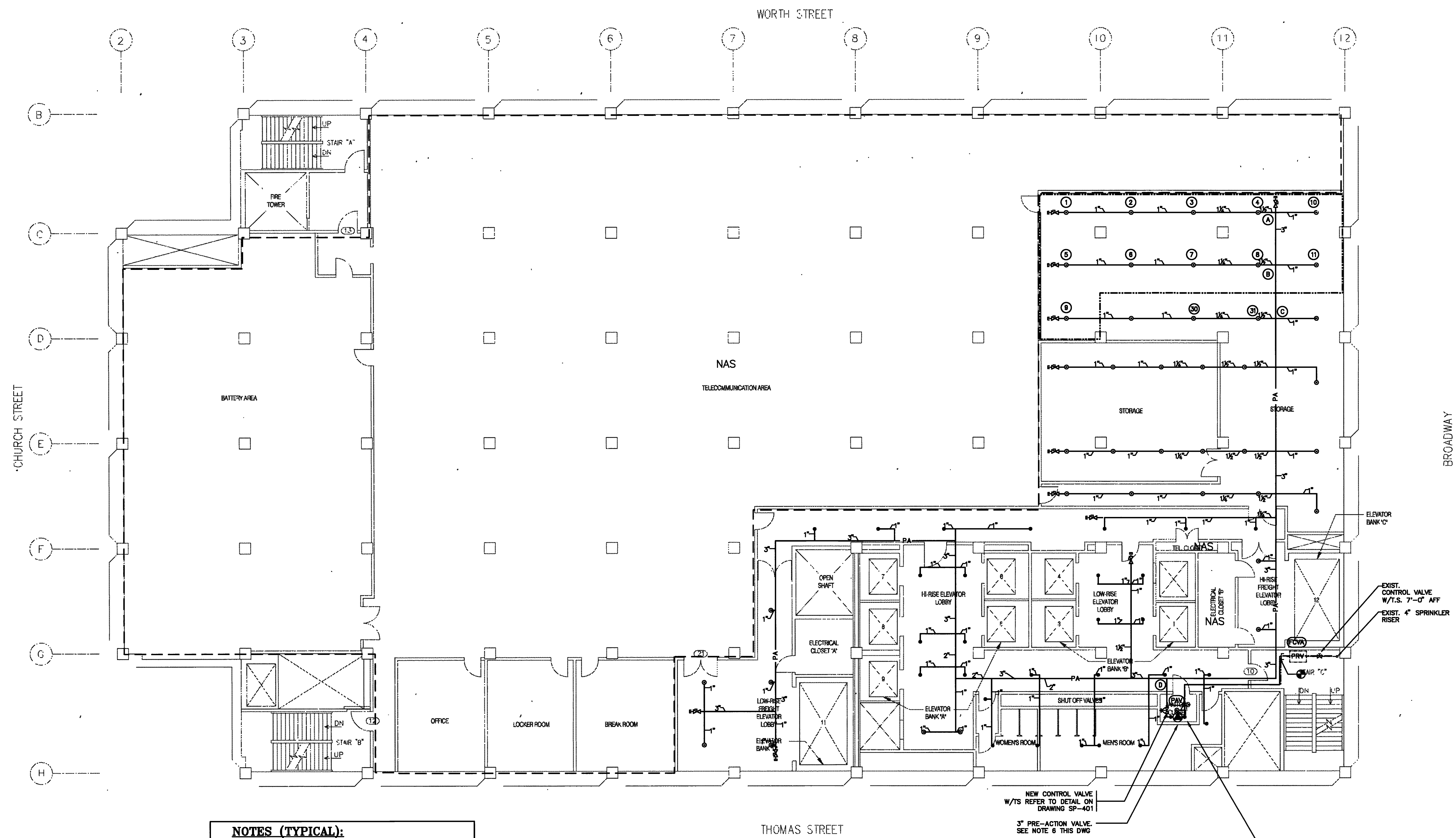
FDNY - F.P. Index #12061028
FPIMS # 33191354

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ISSUE 3
Date: December 11, 2014

ISSUE 2	Desc.: Building Department Submission	Date: September 26, 2014
ISSUE 1	Desc.: ISSUED FOR REVIEW	Date: SEPTEMBER 02, 2014
  		
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CNA Project No. 4806-43		
 		
SPRINKLER 7TH FLOOR PLAN		
Doc. Control #:	AT&T Proprietary T-base #: CLJ Code: GEO Code:	
Date:	Sheet Count: 12 of 33	
SP-107.00		Dec.: Issue For DOB Submission Date: December 11, 2014

FILE NAME: \AR05-03\FIRE\AR05-03-SP-108-08-08.FLD, PLOTTED ON 12/11/2014 1:28 PM, PLOTTED ON 12/11/2014 1:37 PM, PLOTTED BY: TOLKACH, LUDMILA



NOTES (TYPICAL):

1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
2. CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
3. PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS. SEE MATERIAL SCHEDULE ON DWG. FP-001.
4. PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
5. PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
6. PROVIDE METALLIC FIRELOCK SERIES 789 NXT WITH PRE-ACTION TRIM WITH 1/2" NPT FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
- 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
- 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- 6.3. LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL" - FIRE PROTECTION CONTRACTOR NOTES

- 1.- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROMISE FOR HEADS THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEERS. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES (BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
- 2.- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN WORKING UP THESE BID PROPOSAL.
- 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
- 4.- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS: BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

DESIGN CRITERIA INFORMATION (FILE 8TH FL.)

1. AREA OF APPLICATION = 1080 SQ.FT.
2. OCCUPANCY CLASSIFICATION = (S) BUSINESS HAZARD
3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
4. DESIGN DENSITY = .15 GPM/SQ.FT.
5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 11.
6. K_f FACTOR OF SPRINKLER HEADS = 5.62
7. HOSE DEMAND = N/A GPM AT N/A
8. SPRINKLER SYSTEM DEMAND = 219.8 GPM @ 98.6 PSI AT BOR
9. AVAILABLE WATER SUPPLY = 500 GPM @ 230 PSI AT BOR.
10. DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2009
 - NFPA-13-2002

FDNY - F.P. Index #1206102B
FPIMS # 33191354

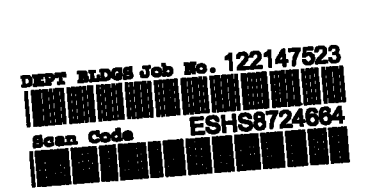
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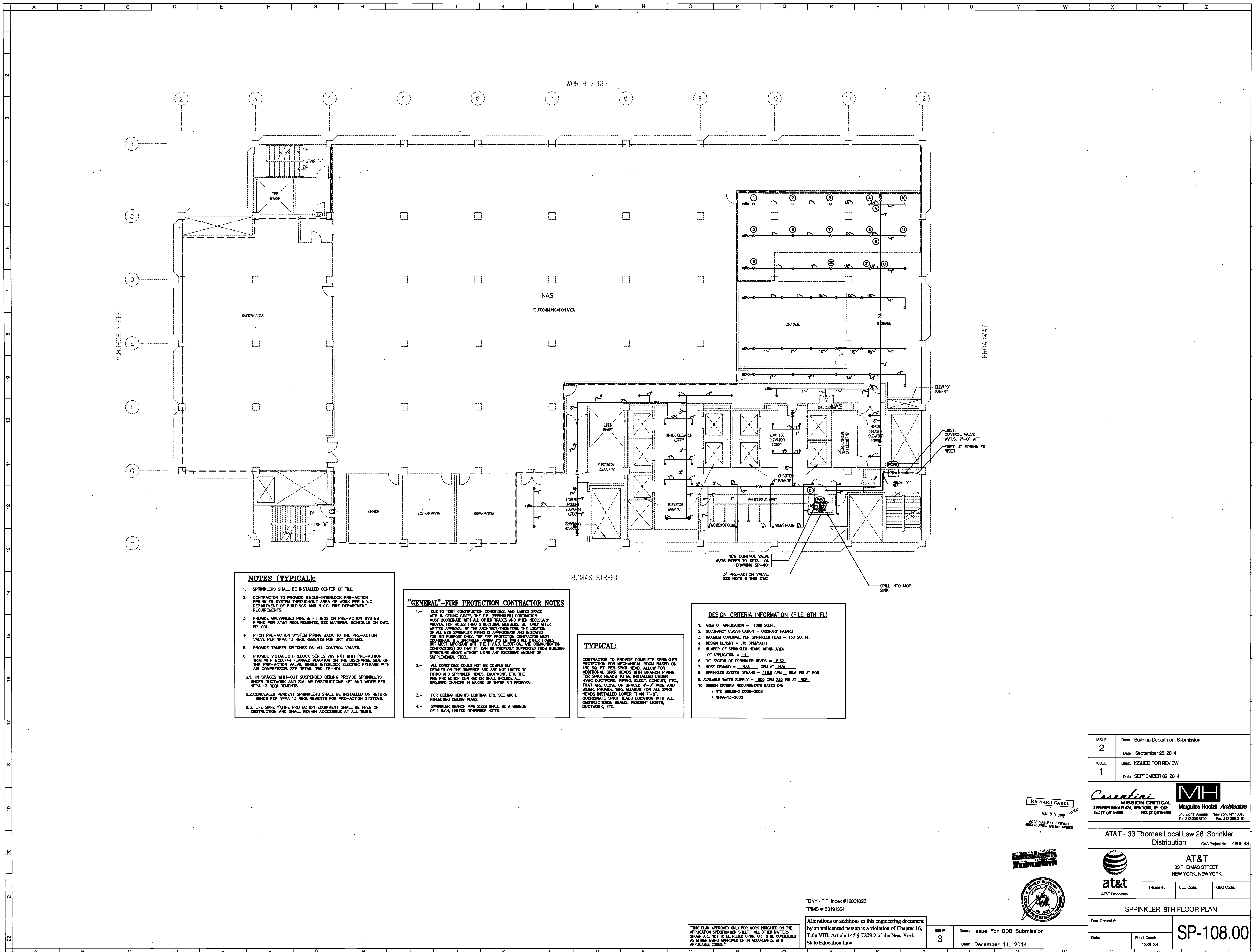
ISSUE 3 Desc: Issue For DOB Submission
Date: December 11, 2014

ISSUE 2	Desc: Building Department Submission Date: September 26, 2014
ISSUE 1	Desc: ISSUED FOR REVIEW Date: SEPTEMBER 02, 2014
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
SPRINKLER 8TH FLOOR PLAN Doc. Control #: Date: Sheet Count: 13 of 33	
SP-108.00	

RICHARD GABEL
JAN 0 5 2014
ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 1478E



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NOTES (TYPICAL):

- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
- CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
- PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. PP-001.
- PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
- PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
- PROVIDE VICTALIC FIRELOCK SERIES 789 NXT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTER ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. PP-401.
- IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 4\"/>
- CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

"GENERAL"-FIRE PROTECTION CONTRACTOR NOTES

- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROMISE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEERS. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES (BUT MOST IMPORTANT WITH THE HVAC, ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
- ALL CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THESE BID PROPOSAL.
- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1" INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

DESIGN CRITERIA INFORMATION (FILE 8TH FL.)

- AREA OF APPLICATION = 1060 SQ.FT.
- OCCUPANCY CLASSIFICATION = SEVERE HAZARD
- MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
- DESIGN DENSITY = .15 GPM/SQ.FT.
- NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 11.
- K_f FACTOR OF SPRINKLER HEADS = 5.62
- HOSE DEMAND = N/A GPM AT N/A
- SPRINKLER SYSTEM DEMAND = 219.8 GPM = 99.6 PSI AT BOR
- AVAILABLE WATER SUPPLY = 500 GPM 230 PSI AT BOR.
- DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

FDNY - F.P. Index #12061028
FPIMS # 33191354

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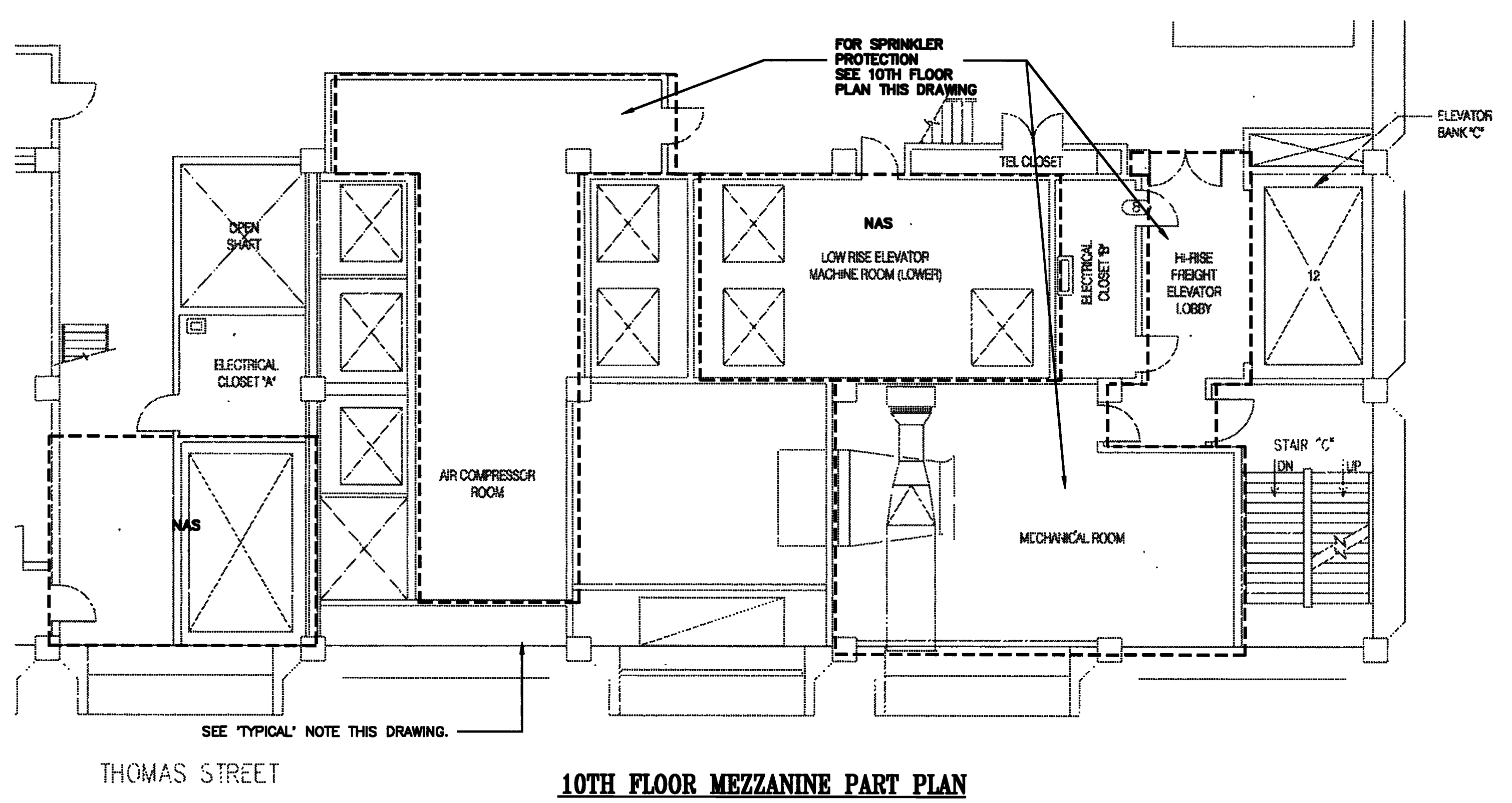
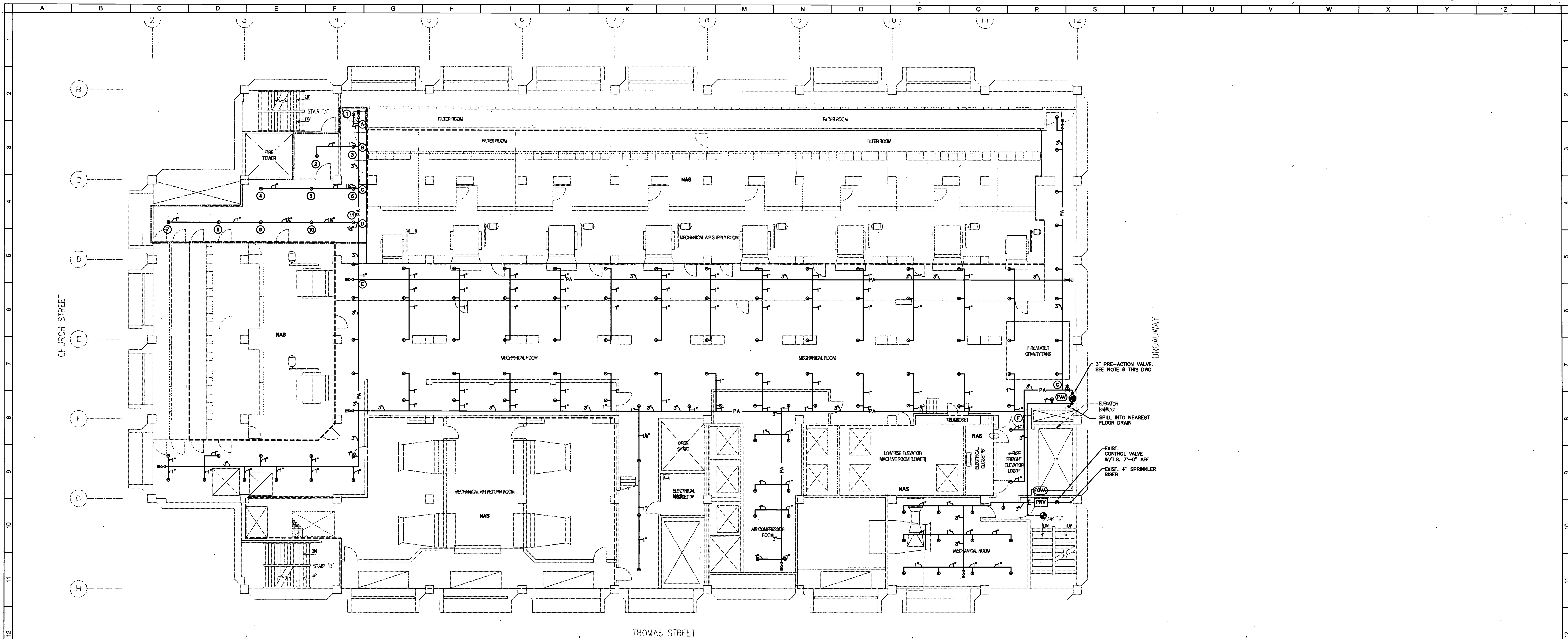
ISSUE 3
Date: December 11, 2014

ISSUE 2	Desc.: Building Department Submission Date: September 26, 2014
ISSUE 1	Desc.: ISSUED FOR REVIEW Date: SEPTEMBER 02, 2014
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
SPRINKLER 8TH FLOOR PLAN Doc. Control #: Date: Sheet Count: 13 of 33	
SP-108.00	

RICHARD GABEL
JAN 0 5 2015

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 147878





NOTES (TYPICAL):

- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
- CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
- PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-1001.
- PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
- PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
- PROVIDE VICTALIC FIRELOCK SERIES 789 NXT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
- 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
- 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
- 6.3. LIFE SAFETY FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

GENERAL CONSTRUCTION NOTE (TYPICAL):

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKLER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4"-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS: BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

"GENERAL"-FIRE PROTECTION CONTRACTOR NOTES

- 1.- DUE TO TIGHT CONSTRUCTION CONDITIONS AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEERS. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
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- 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
- 4.- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

DESIGN CRITERIA INFORMATION (FILE 10TH FL)

1. AREA OF APPLICATION = 1080 SQ.FT.
2. OCCUPANCY CLASSIFICATION = ORDINARY HAZARD
3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
4. DESIGN DENSITY = .15 GPM/SQ.FT.
5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 11.
6. "K" FACTOR OF SPRINKLER HEADS = 5.82
7. HOSE DEMAND = N/A GPM AT N/A.
8. SPRINKLER SYSTEM DEMAND = 238.1 GPM 102.5 PSI AT BOR
9. AVAILABLE WATER SUPPLY = 500 GPM 215 PSI AT BOR.
10. DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

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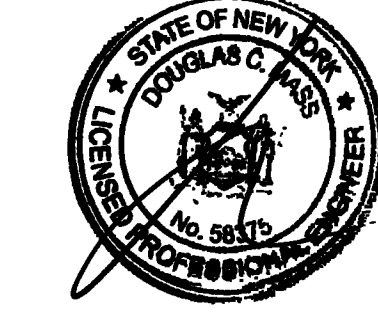
FDNY - F.P. Index #12061028
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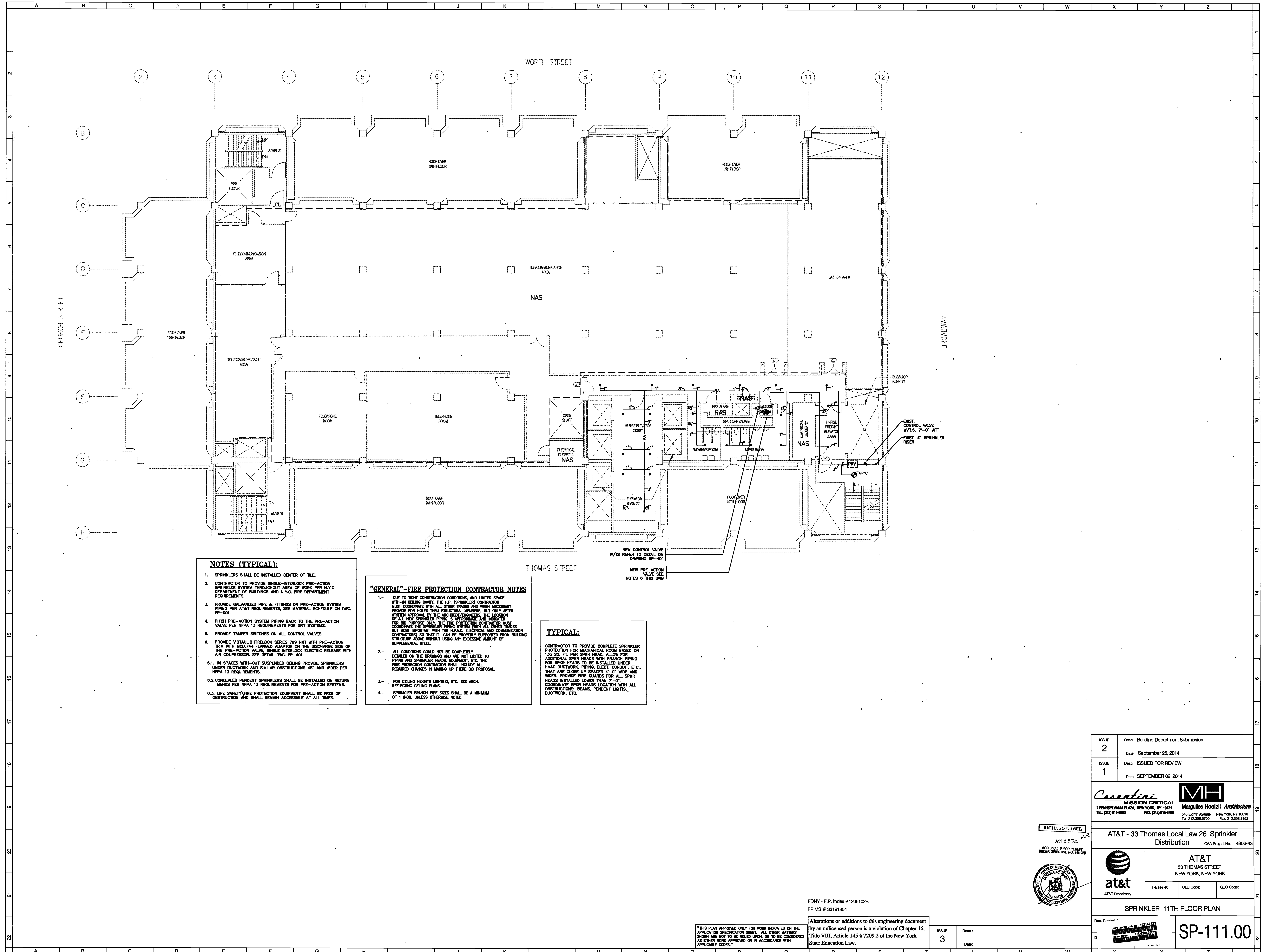
ISSUE 3
Dec: Issue For DOB Submission
Date: December 11, 2014

RICHARD CABEL
1 9 5 7 0 9
ACCEPTABLE PERMIT UNDER DIRECTIVE NO. 14/06

NEW YORK STATE DEPARTMENT OF FIRE PROTECTION



ISSUE 2	Desc: Building Department Submission	Date: September 26, 2014
ISSUE 1	Desc: ISSUED FOR REVIEW	Date: SEPTEMBER 02, 2014
<p>MISSION CRITICAL</p> <p>at&t Margulies Hoelzl Architecture</p> <p>2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 916-3800 FAX: (212) 916-3700</p> <p>545 Eighth Avenue New York, NY 10018 Tel: 212-368-0700 Fax: 212-368-3150</p>		
<p>AT&T - 33 Thomas Local Law 26 Sprinkler Distribution</p> <p>CAA Project No. 4806-43</p>		
<p>AT&T 33 THOMAS STREET NEW YORK, NEW YORK</p> <p>T-Base #: CLI Code: GEO Code:</p>		
<p>SPRINKLER 10TH FLOOR AND MEZZ. PLAN</p>		
Doc. Control #:	Date:	Sheet Count: 14 of 33
SP-110.00		



- NOTES (TYPICAL):**
- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 - CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
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 - PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 - PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 - PROVIDE METALLIC FIRELOCK SERIES 789 NKT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 - IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
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TYPICAL:

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NEW CONTROL VALVE
W/TS REFER TO DETAIL ON
DRAWING SP-401

NEW PRE-ACTION
VALVE SEE
NOTES & THIS DWG

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FDNY - F.P. Index #1206102B
FPIMS # 33191354

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Carroll MISSION CRITICAL
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10011
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MH Margulies Hoelzl Architecture
546 Eighth Avenue New York, NY 10018
Tel: 212-368-0700 Fax: 212-368-3192

RICHARD GABEL
001 2 5 782
ACCEPTABLE FOR PERMIT
UNDER EXECUTIVE NO. 14788



AT&T - 33 Thomas Local Law 26 Sprinkler Distribution
CAA Project No. 4806-43

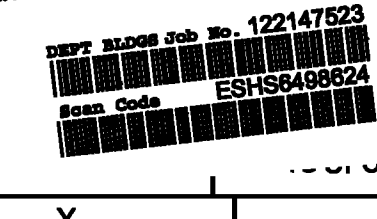
at&t AT&T Proprietary

AT&T
33 THOMAS STREET
NEW YORK, NEW YORK

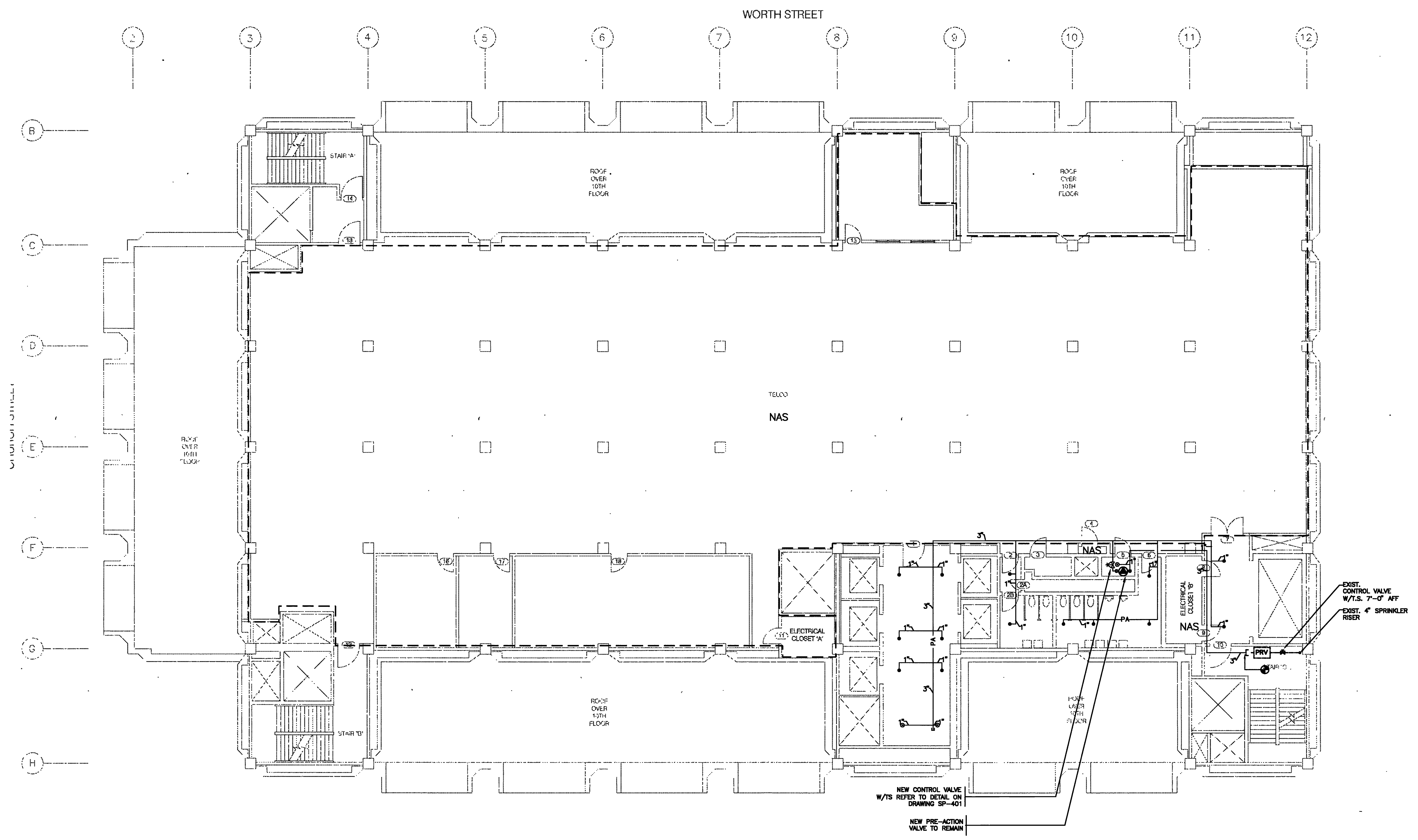
T-Base #: CJIJ Code: GEO Code:

SPRINKLER 11TH FLOOR PLAN

Doc. No. **SP-111.00**



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12TH FLOOR

- NOTES (TYPICAL):**
- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 - CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
 - PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. SP-101.
 - PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 - PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 - PROVIDE VICTALIC FIRELOCK SERIES 789 NXT WITH PRE-ACTION TRIM WITH MOD-744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR, SEE DETAIL DWG. FP-401.
 - IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
 - CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
 - LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

- "GENERAL"-FIRE PROTECTION CONTRACTOR NOTES**
- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE HVAC, ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
 - ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THESE BID PROPOSAL.
 - FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
 - SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

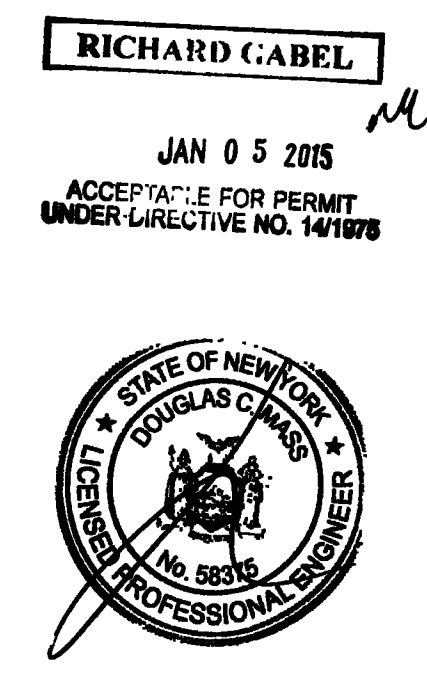
CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPR. HEAD. ALLOW FOR ADDITIONAL SPR. HEADS WITH BRANCH PIPING FOR SPR. HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPR. HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPR. HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

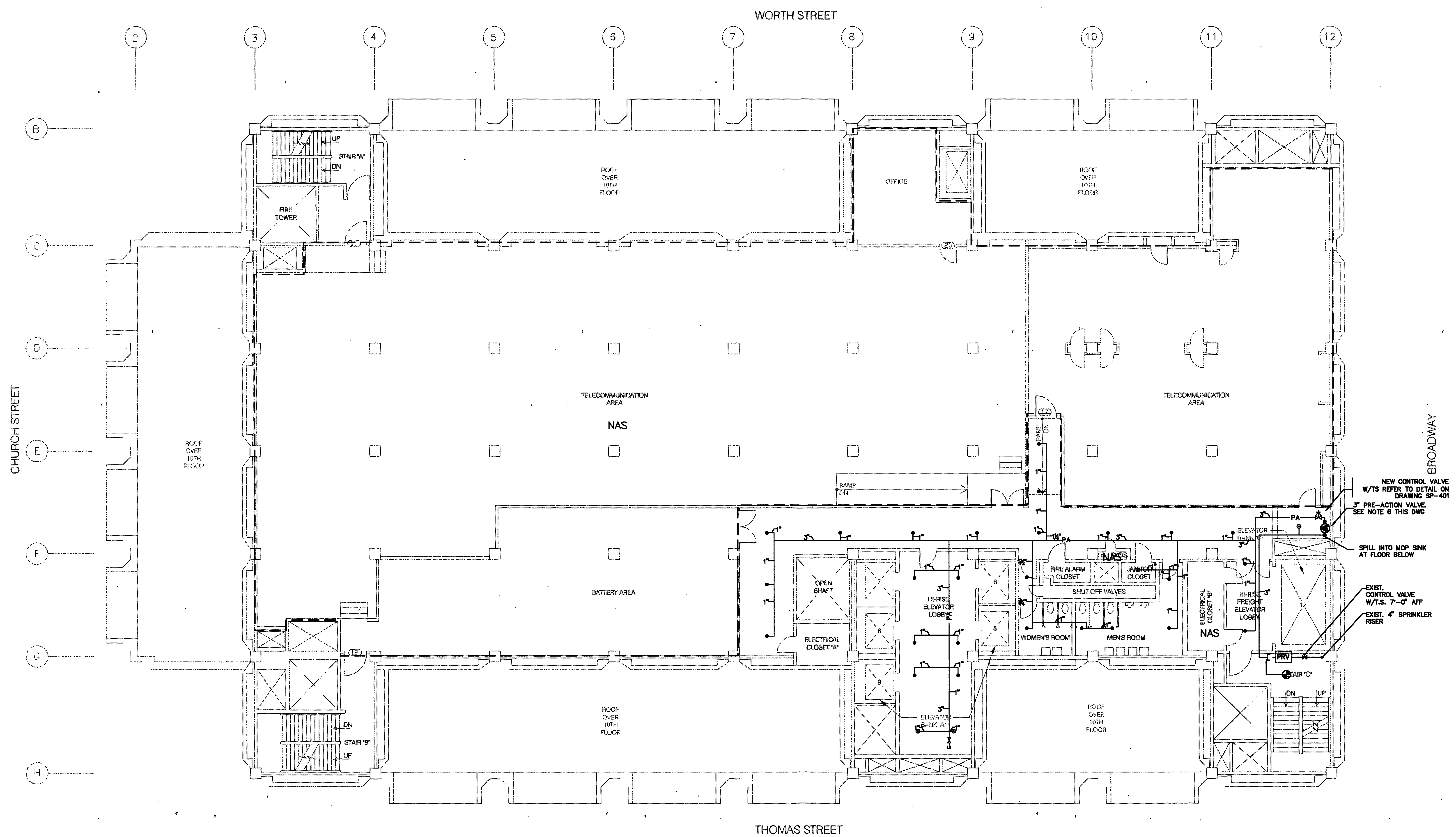
FDNY - F.P. Index #12061028
FPIMS # 33191354

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ISSUE 3
Date: _____

ISSUE 2	Date: Building Department Submission
ISSUE 1	Date: SEPTEMBER 02, 2014
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
SPRINKLER 12TH FLOOR PLAN	
SP-112.00	





NOTES (TYPICAL):

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- PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-001.
- PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
- PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
- PROVIDE VICTAULIC FIRELOCK SERIES 700 NXT WITH PRE-ACTION TRIM WITH 400.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR, SEE DETAIL DWG. FP-401.
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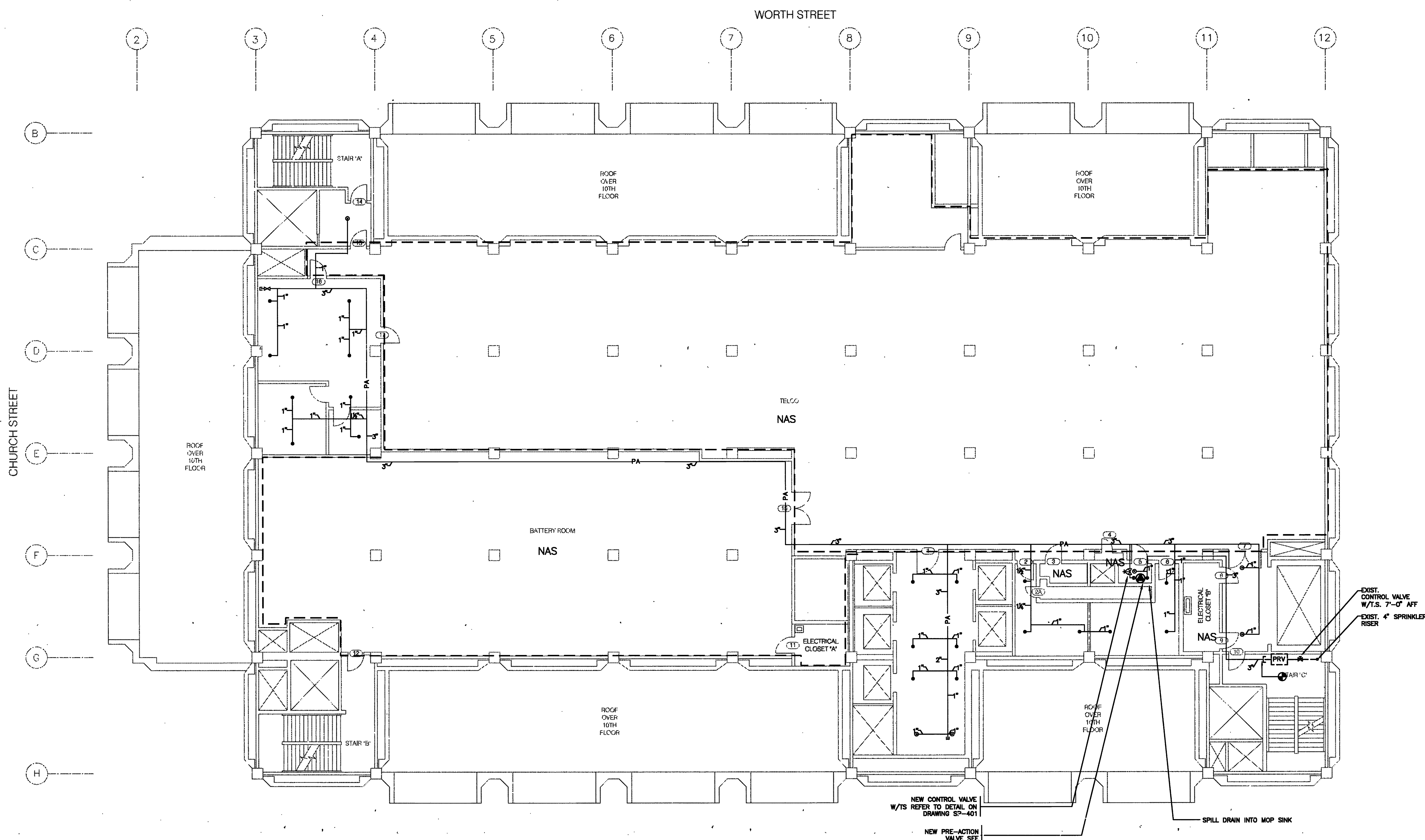
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RICHARD GABEL
 JAN 6 5 2015
 ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14789

ISSUE 2	Desc: Building Department Submission				
ISSUE 1	Desc: ISSUED FOR REVIEW				
DATE: SEPTEMBER 26, 2014					
DATE: SEPTEMBER 02, 2014					
<i>Casertini</i>	MH				
MISSION CRITICAL	Margulies Hoziel Architecture				
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021 TEL: (212) 915-3800	645 Eighth Avenue New York, NY 10016 TEL: (212) 915-3800 FAX: (212) 915-3700				
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution <small>CNA Project No. 4806-43</small>					
	AT&T 33 THOMAS STREET NEW YORK, NEW YORK				
T-Base #:	CLU Code: GEO Code:				
SPRINKLER 13TH FLOOR PLAN					
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 - RYTHM PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 - PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 - PROVIDE METALLIC FIRELOCK SERIES 789 HXT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. PP-401.
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14TH FLOOR

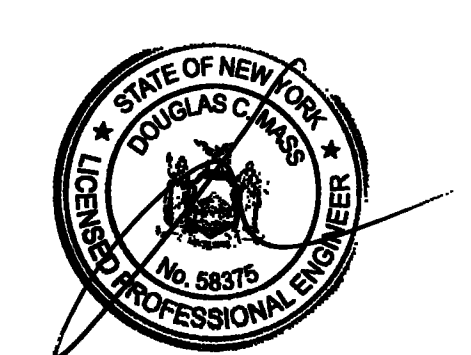
FDNY - F.P. Index #12061028
FPIMS # 33191354

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ISSUE 3
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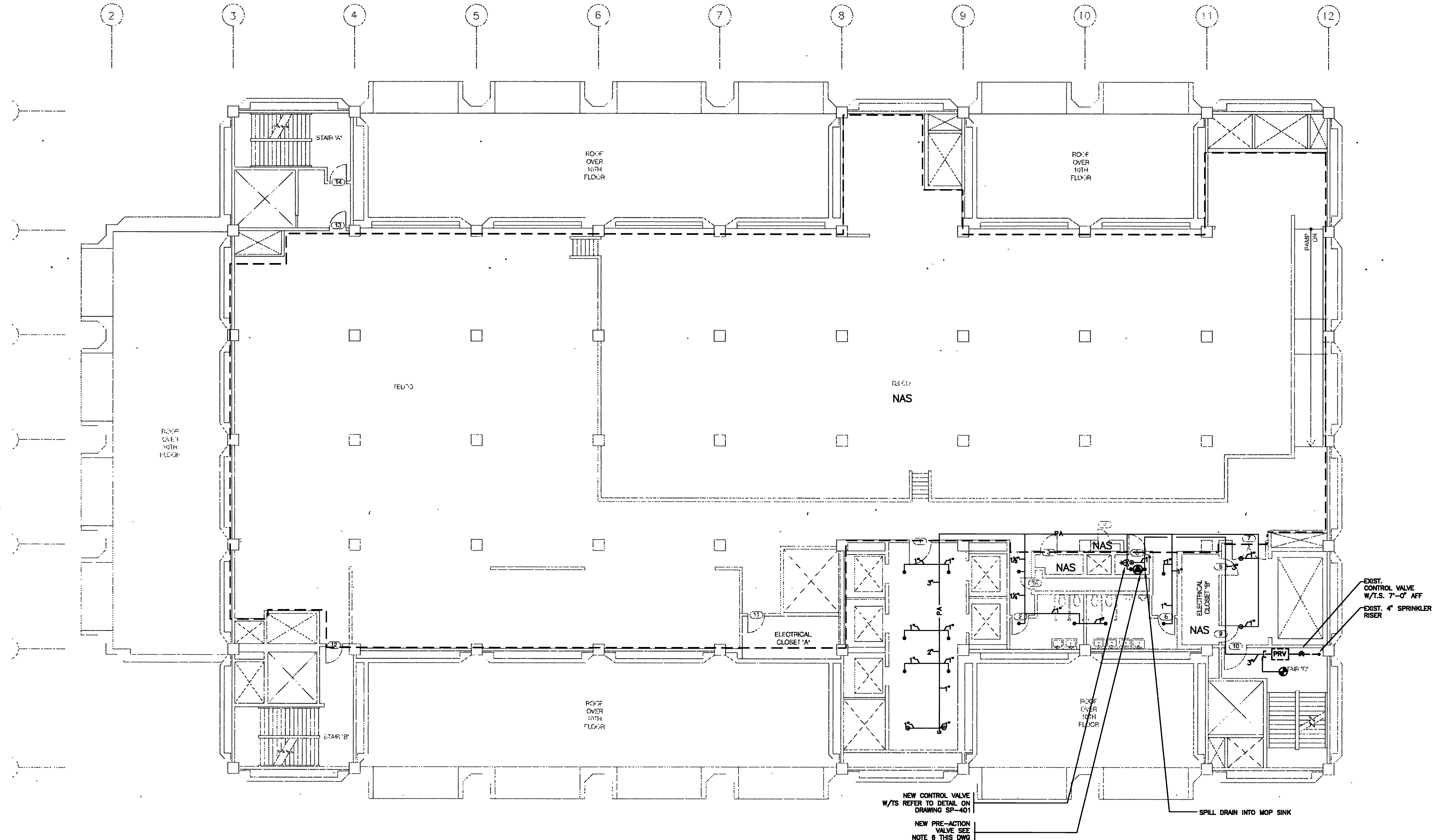
RICHARD GABEL
JAN 05 2015
ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14789



ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
<p>2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 915-3800</p> <p>246 Eighth Avenue New York, NY 10018 Tel: 212-268-2700 Fax: 212-268-9152</p>	
<p>AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43</p>	
<p>AT&T 33 THOMAS STREET NEW YORK, NEW YORK</p>	
<p>SPRINKLER 14TH FLOOR PLAN</p>	
<p>SP-114.00</p>	

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WORTH STREET



15TH FLOOR

- NOTES (TYPICAL):**
- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 - CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
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 - 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
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Date: SEPTEMBER 02, 2014	
MISSION CRITICAL 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 915-3600 FAX: (212) 915-3700 Margulies Hoelzl Architecture 545 Eighth Avenue New York, NY 10018 Tel: 212-368-6700 Fax: 212-368-3152	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43	
T-Base #:	CLLJ Code: GEO Code:
SPRINKLER 15TH FLOOR PLAN	
Dc:	SP-115.00
Di:	

FDNY - F.P. Index #1206102B
 FPIMS # 33191354

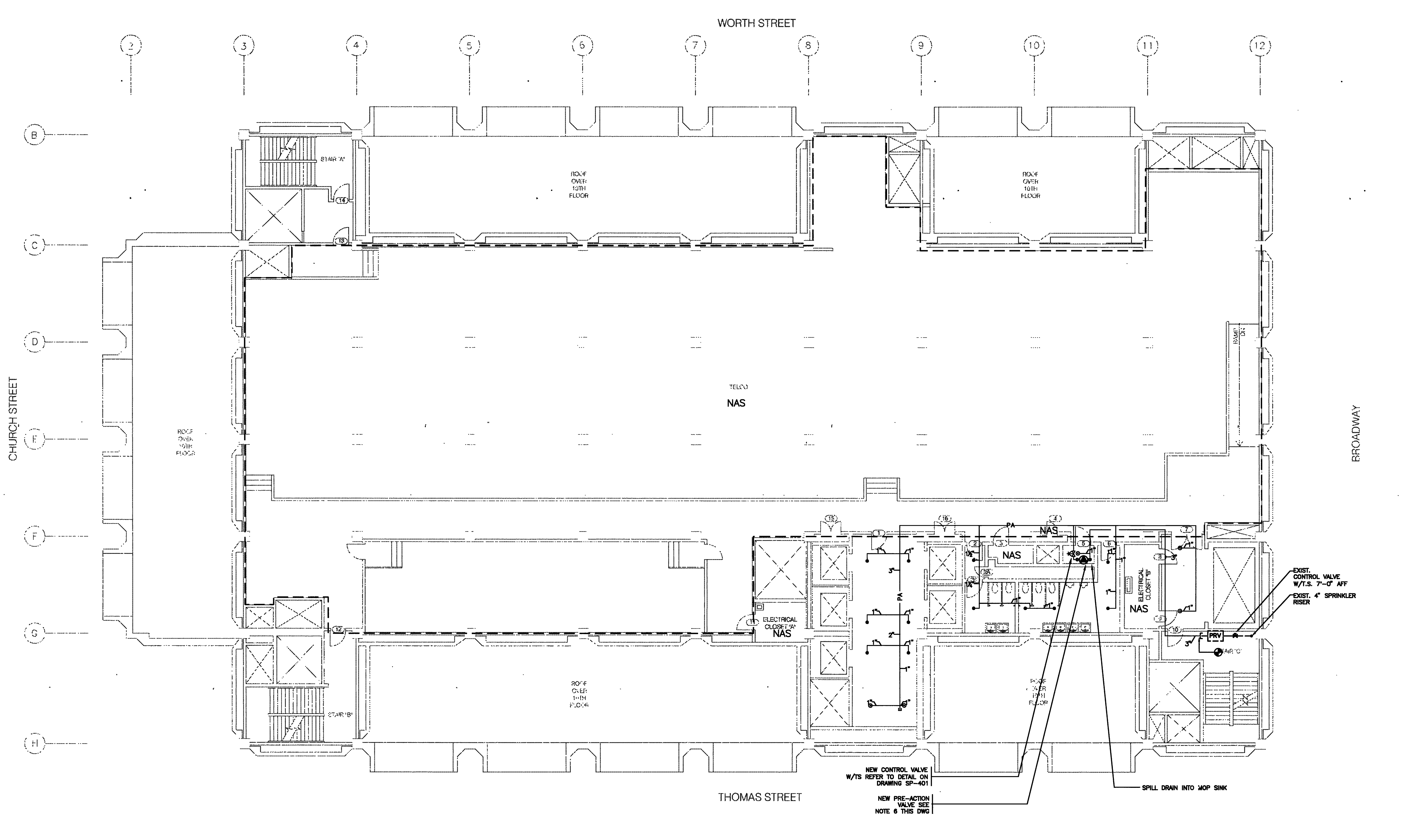
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ISSUE 3

RICHARD GABEL
 09/13/2014
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16th FLOOR

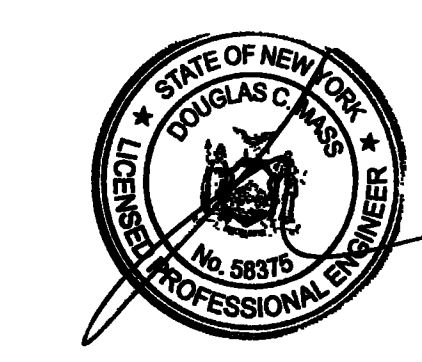
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RICHARD GABEL
 JAN 05 2015
 ACCEPTABLE - H.R. PERMIT
 UNDER DIRECTIVE NO. 147878



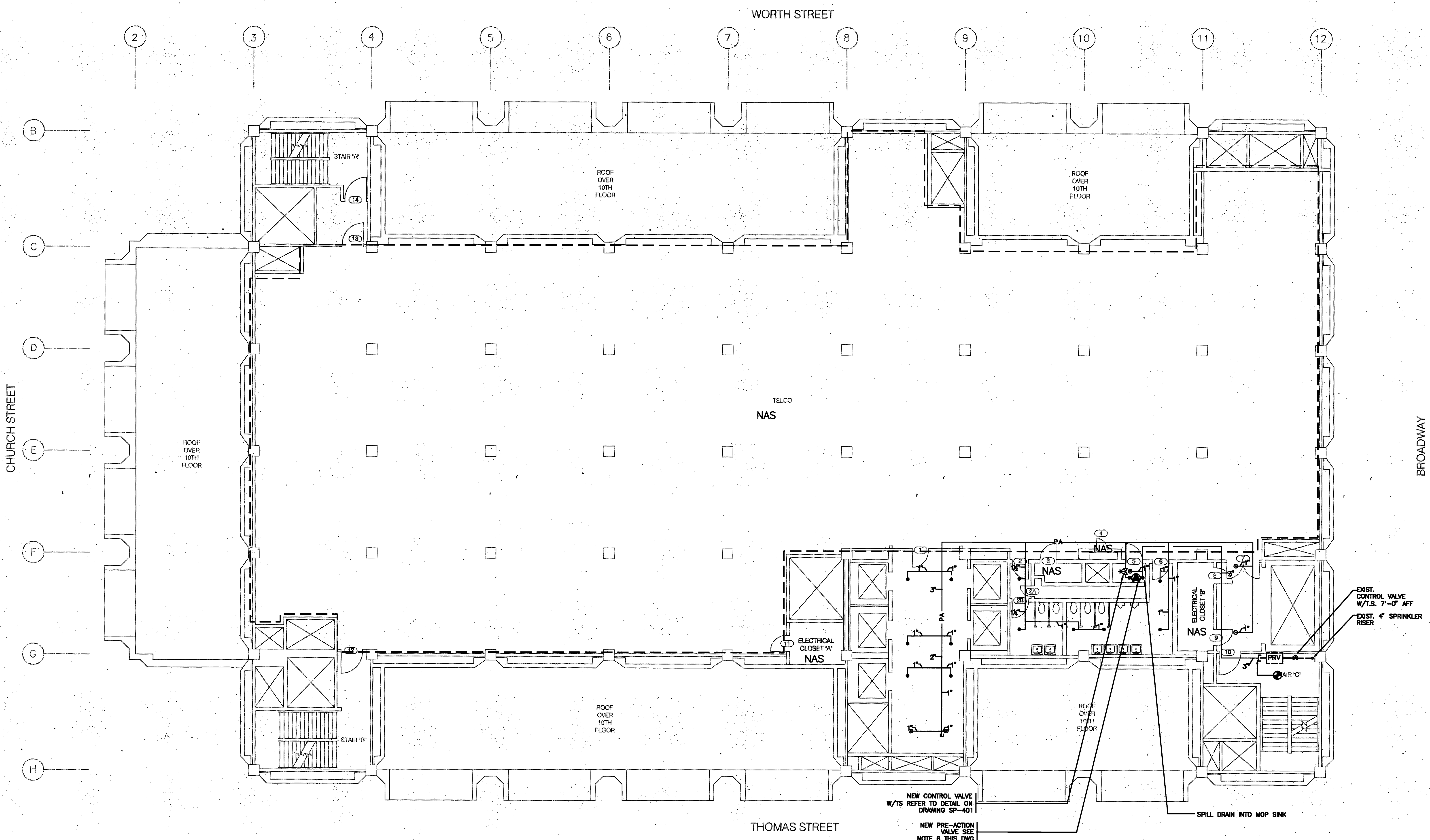
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FILE NAME: I:\4806-43\FIRE\4806-43-SP-116.00(16 FL) DWG SAVED ON 9/19/2014 11:43 AM PLOTTED ON 9/19/2014 2:14 PM PLOTTED BY SEREN, KADR



17th FLOOR

- NOTES (TYPICAL):**
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 - PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 - PROVIDE METALLIC FIRELOCK SERIES 768 NYT WITH PRE-ACTION TRIM WITH MOD-744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. SP-401.
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ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
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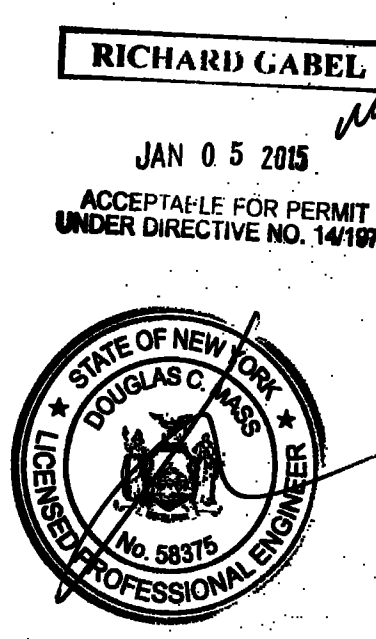
Casertini **MH**
 MISSION CRITICAL
 Margulies Hoeltzl Architecture
 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121
 TEL: (212) 915-3500 FAX: (212) 915-3700
 545 Eighth Avenue New York, NY 10018
 Tel: 212-268-6700 Fax: 212-268-3162

AT&T - 33 Thomas Local Law 26 Sprinkler Distribution
 CMA Project No. 4806-43

at&t
 AT&T Proprietary
 T-Base #: CLU Code: GEO Code:

SPRINKLER 17TH FLOOR PLAN

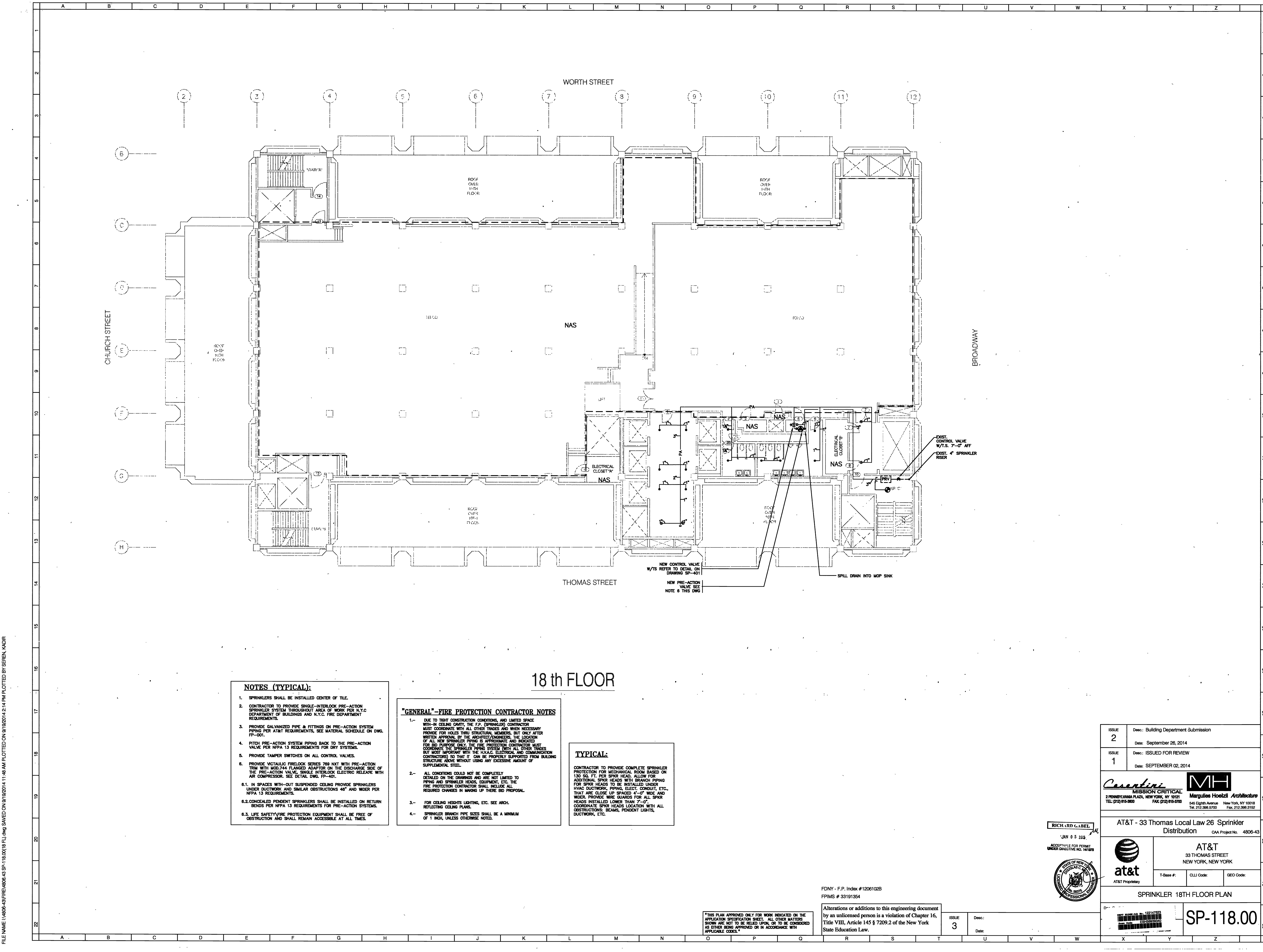
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FDNY - F.P. Index #12061029
 FPMS # 33191354
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ISSUE 3	Desc:
	Date:

THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



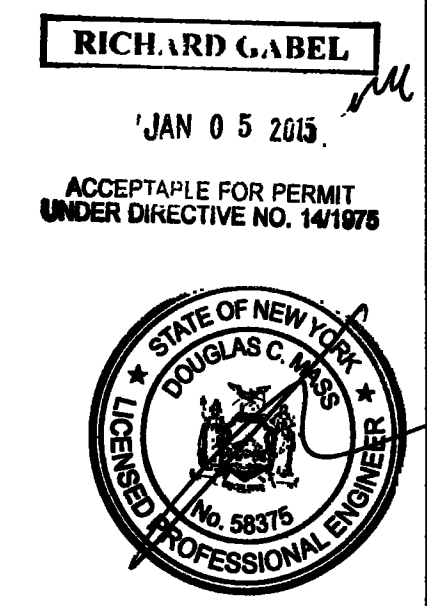
18th FLOOR

- NOTES (TYPICAL):**
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 - PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS. SEE MATERIAL SCHEDULE ON DWG. FP-001.
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 - PROVIDE VICTALIC FIRELOCK SERIES 789 NKT WITH PRE-ACTION TRIM WITH NKS.744 FLANGED ADAPTER ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 - IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
 - CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
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 - FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
 - SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

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FDNY - F.P. Index #12061028
FPIMS # 33191354

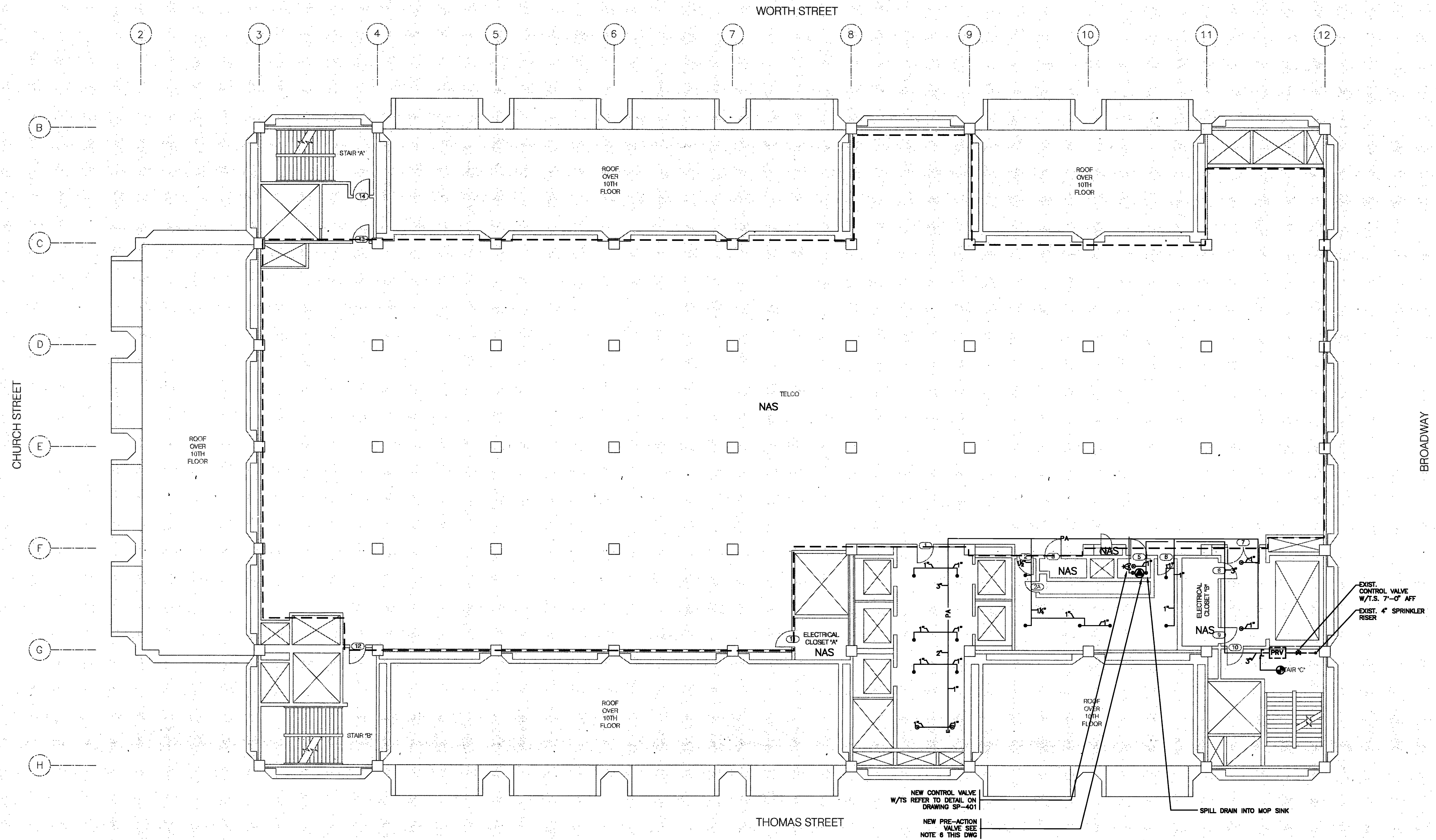
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ISSUE	3	Desc:	
Date:			

ISSUE	2	Desc:	Building Department Submission
Date:			September 26, 2014
ISSUE	1	Desc:	ISSUED FOR REVIEW
Date:			SEPTEMBER 02, 2014
2 PENNSYLVANIA PLAZA, NEW YORK, NY 10121 TEL: (212) 915-3000		545 Eighth Avenue New York, NY 10018 FAX: (212) 915-3700 Fax: 212-368-3162	
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43			
		AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #:	CLLI Code:	GEO Code:	
SPRINKLER 18TH FLOOR PLAN			
			SP-118.00

FILE NAME: I:\685-49\FIRE\685-49-SP-118.00(18).PJ Dwg SAVED ON 9/19/2014 11:48 AM PLOTTED ON 9/19/2014 2:14 PM PLOTTED BY SERENY.KODR



NOTES (TYPICAL):

1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
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- 6.3. LIFE SAFETY FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

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- 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
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19TH FLOOR

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPKR HEAD, ALLOW FOR ADDITIONAL SPKR HEADS WITH BRANCH PIPING FOR SPKR HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC., THAT ARE CLOSE UP SPACED 4"-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPKR HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPKR HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

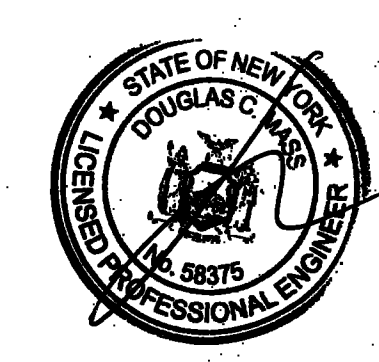
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ISSUE 3

RICHARD GABEL
JAN 6 5 2015



ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
2	Date: September 26, 2014
1	Date: SEPTEMBER 02, 2014

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MISSION CRITICAL
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540 Eighth Avenue New York, NY 10018
TEL: (212) 368-0700 Fax: (212) 368-0100

AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43

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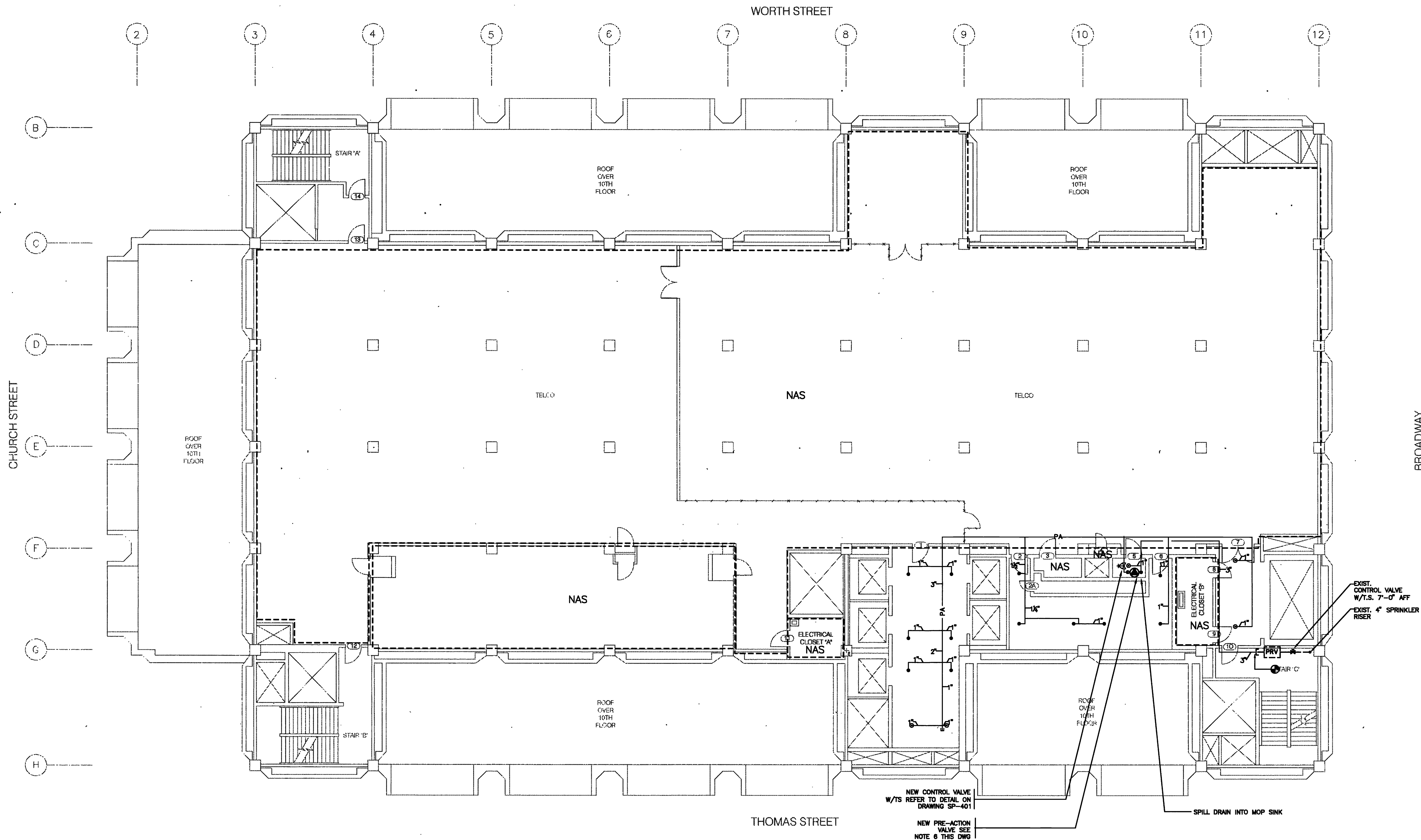
AT&T
33 THOMAS STREET
NEW YORK, NEW YORK

T-Base #:
CLL Code:
GEO Code:

SPRINKLER 19TH FLOOR PLAN

Do: 122147823
Da: 09/19/2014

SP-119.00



20TH FLOOR

- NOTES (TYPICAL):**
1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
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 5. PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 6. PROVIDE VICTALIC FIRELOCK SERIES 789 NXT WITH PRE-ACTION TRIM WITH 1/2" FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 - 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 45" AND WIDER PER NFPA 13 REQUIREMENTS.
 - 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
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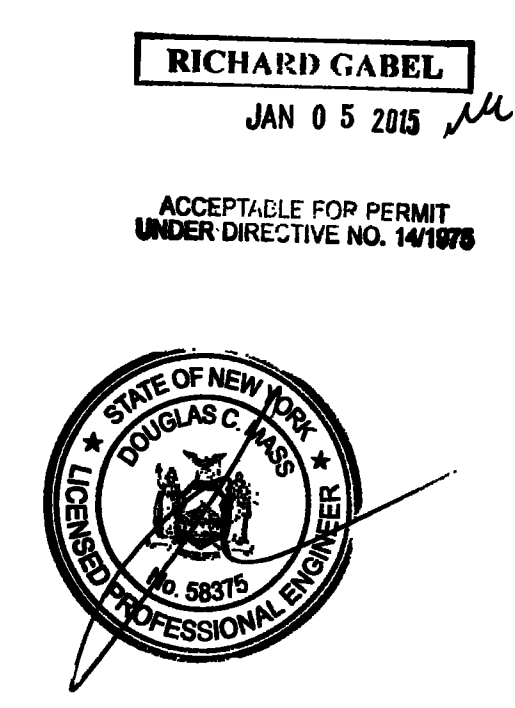
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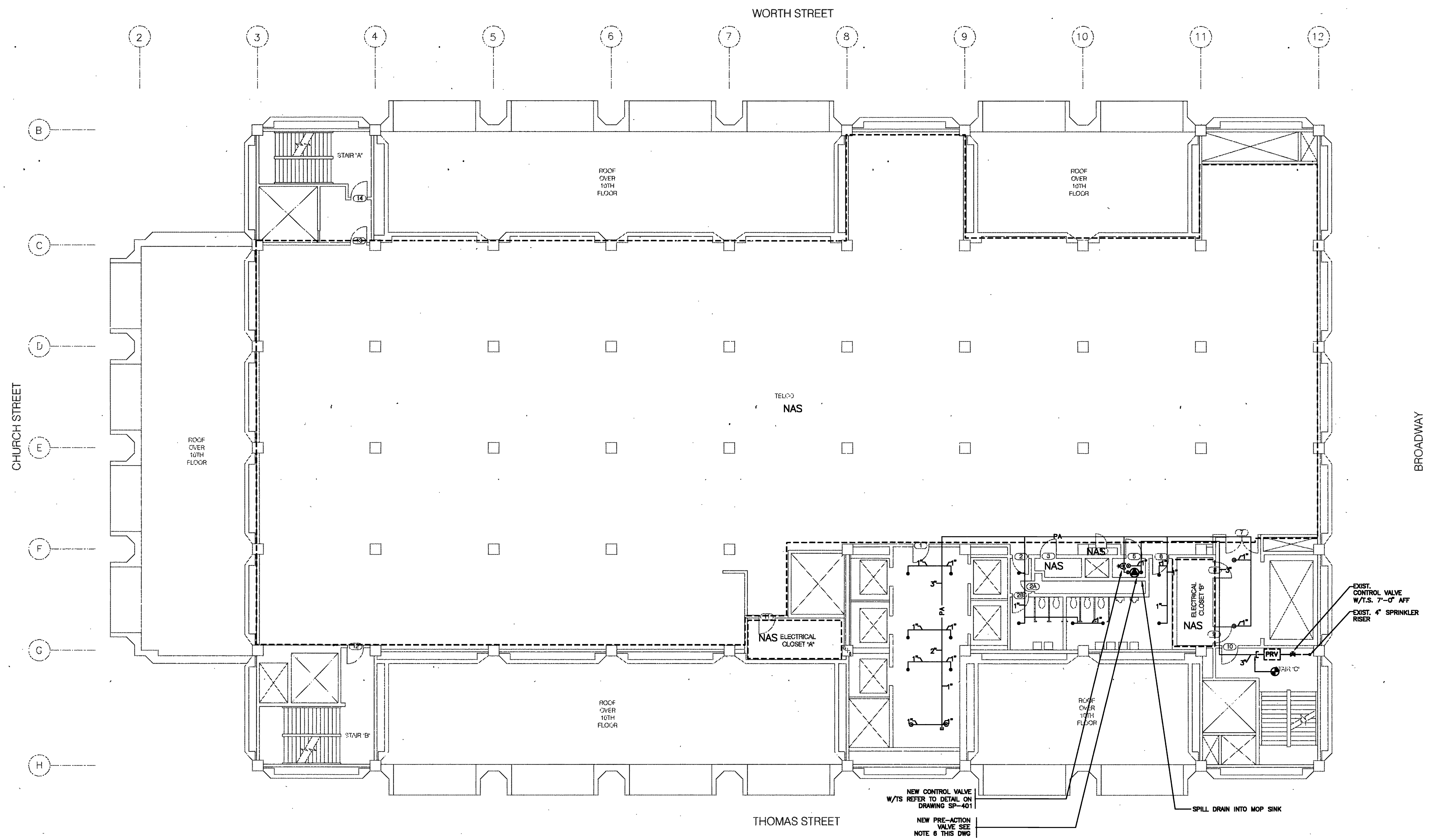
NEW CONTROL VALVE W/T.S. REFER TO DETAIL ON DRAWING SP-401
 NEW PRE-ACTION VALVE SEE NOTE 6 THIS DWG
 SPILL DRAIN INTO MOP SINK

ISSUE 2	Date: Building Department Submission
ISSUE 1	Date: SEPTEMBER 26, 2014
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ISSUE 1	Date: SEPTEMBER 02, 2014
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution	
SPRINKLER 20TH FLOOR PLAN	
SP-120.00	

FILE NAME: I:\6805-49\FIRE\6805-49-SP-120.00(20) PL.dwg PLOTTED ON: 9/19/2014 11:52:AM PLOTTED BY: SPREN, KADR

FDNY - F.P. Index #1206102B
 FPIMS # 33191354
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21ST FLOOR

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NEW CONTROL VALVE W/T.S REFER TO DETAIL ON DRAWING SP-401
 NEW PRE-ACTION VALVE SEE NOTE 6 THIS DWG
 SPILL DRAIN INTO MOP SINK

EXIST. CONTROL VALVE W/T.S. 7'-0" AFF
 EXIST. 4" SPRINKLER RISER

FILE NAME: I:\6086-49\FR\6086-49-SP-121.00(2).FLX PLOTTED ON 9/19/2014 12:00 PM PLOTTED ON 9/19/2014 2:14 PM PLOTTED BY SEREN KADIR

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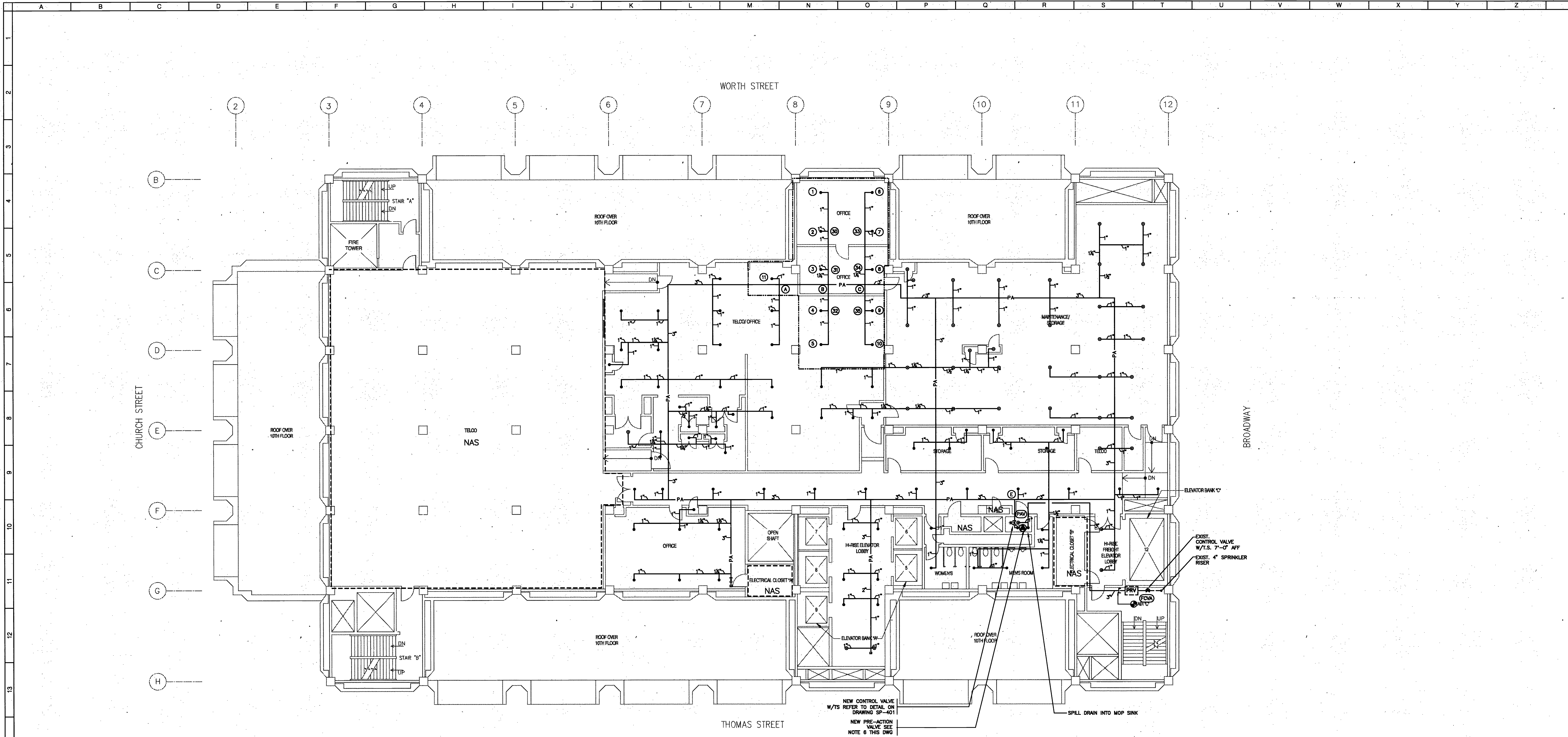
ISSUE 3
 Date:

RICHARD GABEL
 JAN 05 2015



ISSUE 2	Desc: Building Department Submission
ISSUE 1	Desc: ISSUED FOR REVIEW
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CMA Project No. 4806-43	
T-Base #:	CUJ Code:
SPRINKLER 21ST FLOOR PLAN	
SP-121.00	

FILE NAME: I:\806-43\FRED\806-43-SP-122.00(2).FLW SAVED ON 12/11/2014 12:24 PM PLOTTED ON 12/11/2014 1:37 PM PLOTTED BY: TOLMACH, LUCIMELA



- NOTES (TYPICAL):**
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- DESIGN CRITERIA INFORMATION (FILE 22TH FL)**
- AREA OF APPLICATION = 1,080 SQ.FT.
 - OCCUPANCY CLASSIFICATION = LIGHT HAZARD
 - MAXIMUM COVERAGE PER SPRINKLER HEAD = 225 SQ. FT.
 - DESIGN DENSITY = .10 GPM/SQ.FT.
 - NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 11.
 - "K" FACTOR OF SPRINKLER HEADS = 5.62
 - HOSE DEMAND = 1.5 GPM AT 1.5/2.5
 - SPRINKLER SYSTEM DEMAND = 1122.8 GPM @ 88.8 PSI AT BOR
 - AVAILABLE WATER SUPPLY = 500 GPM @ 120 PSI AT BOR.
 - DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

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MISSION CRITICAL

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540 Eighth Avenue New York, NY 10018
Tel: 212-508-5700 Fax: 212-508-5102

RICHARD GABEL
JAN 8 5 2015

ACCEPTED FOR PERMIT
UNDER DIRECTIVE NO. W195



AT&T - 33 Thomas Local Law 26 Sprinkler Distribution
CAA Project No. 4806-43

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AT&T
33 THOMAS STREET
NEW YORK, NEW YORK

T-Base #: CLJ Code: GEO Code:

SPRINKLER 22ND FLOOR PLAN

Doc. Control #:	SP-122.00
Date:	26 of 33

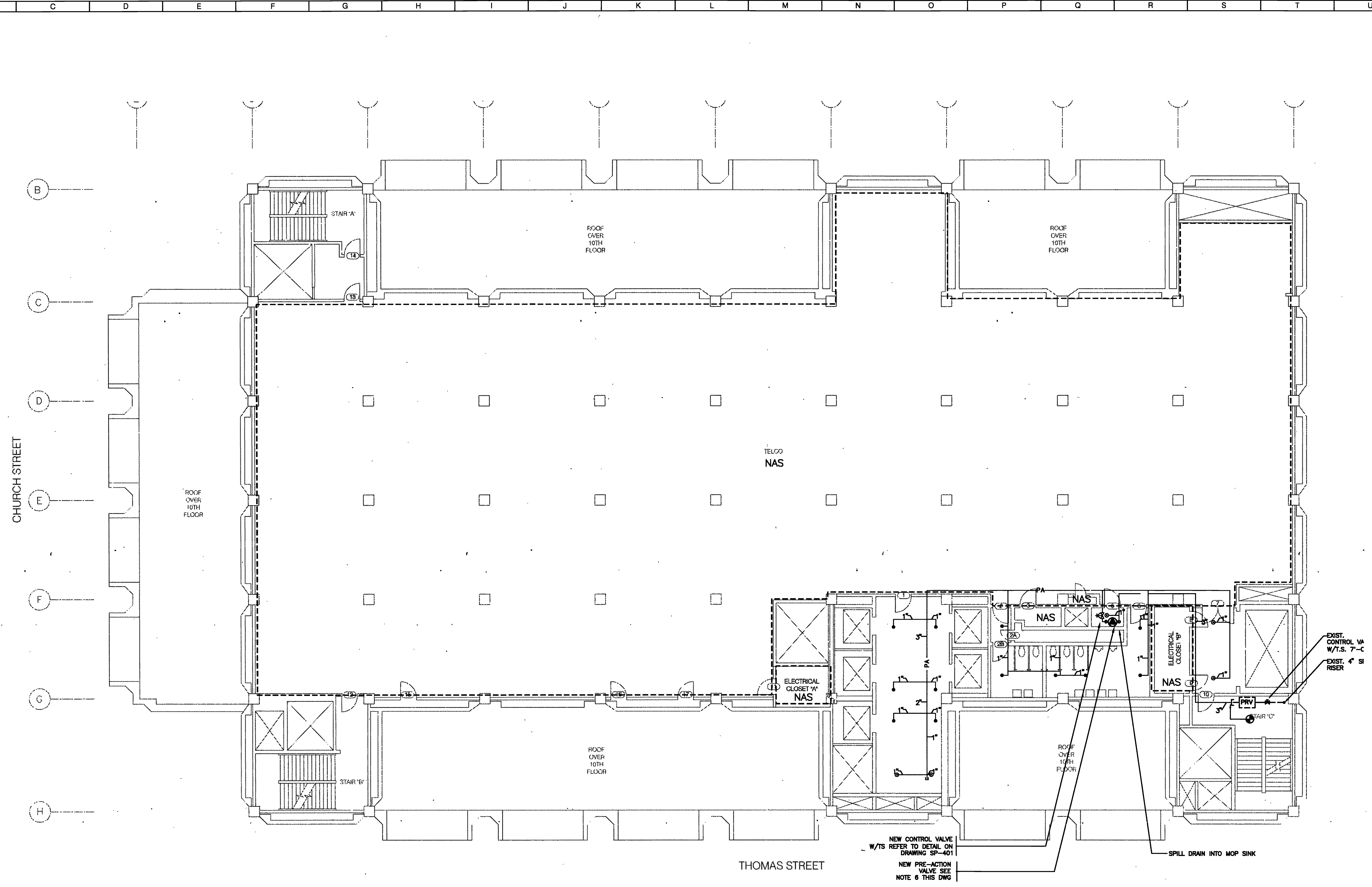
FDNY - F.P. Index #1206102B
FPIMS # 33191354

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ISSUE 3	Desc: Issue For DOB Submission
	Date: December 11, 2014

SP-122.00

FILE NAME: I:\606-43\FRED\4806-43-SP-123.00(23).FLG SAVED ON 01/09/2014 12:04 PM PLOTTED ON 01/09/2014 12:15 PM PLOTTED BY SEREN, KODR



- NOTES (TYPICAL):**
1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 2. CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
 3. PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-001.
 4. PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 5. PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 6. PROVIDE METALLIC FIRELOCK SERIES 769 NXT WITH PRE-ACTION TRIM WITH NICKEL PLATED FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 - 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
 - 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
 - 6.3. LIFE SAFETY/FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

- "GENERAL"-FIRE PROTECTION CONTRACTOR NOTES**
- 1.- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE P.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
 - 2.- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THERE BID PROPOSAL.
 - 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
 - 4.- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 100 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC., THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

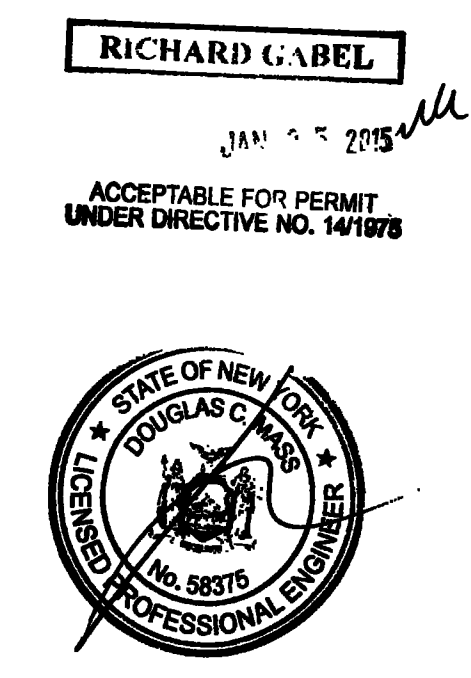
23RD FLOOR

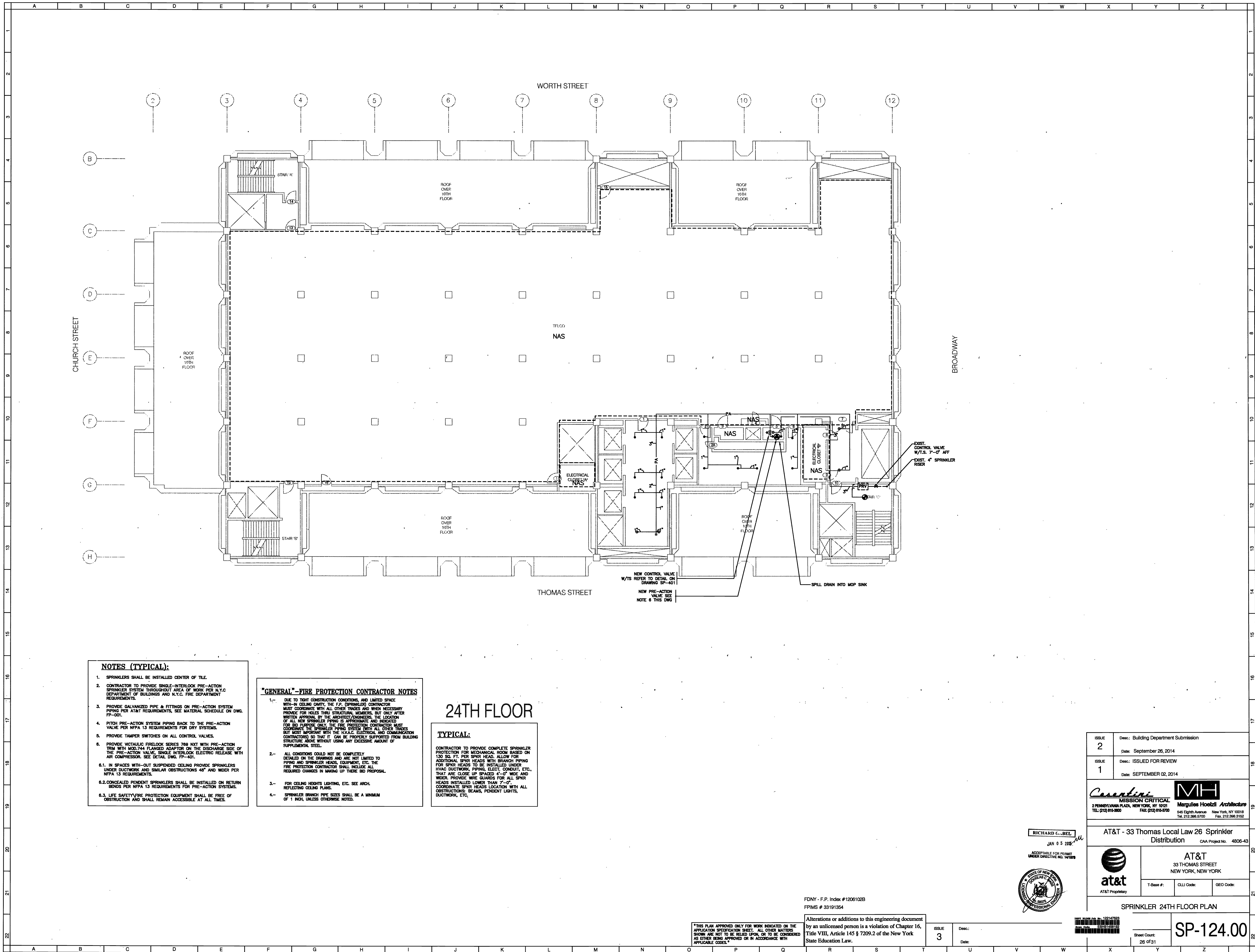
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ISSUE	3	Date:	
Desc:			

ISSUE	2	Desc:	Building Department Submission
Date:	September 26, 2014		
ISSUE	1	Desc:	ISSUED FOR REVIEW
Date:	SEPTEMBER 02, 2014		
MISSION CRITICAL Margulies Hoozli Architecture 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021 TEL: (212) 915-3800 FAX: (212) 915-3700 New York, NY 10018 Tel: 212-268-0700 Fax: 212-268-3152			
AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43			
		AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #:	CLU Code:	GEO Code:	
SPRINKLER 23RD FLOOR PLAN			
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SP-123.00			





- NOTES (TYPICAL):**
- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 - CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
 - PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS, SEE MATERIAL SCHEDULE ON DWG. FP-001.
 - PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 - PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 - PROVIDE METALLIC FIRELOCK SERIES 789 NKT WITH PRE-ACTION TRIM WITH MOD.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE, SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 - 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
 - 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
 - 6.3. LIFE SAFETY FIRE PROTECTION EQUIPMENT SHALL BE FREE OF OBSTRUCTION AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.

- "GENERAL"-FIRE PROTECTION CONTRACTOR NOTES**
- 1.- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE HVAC, ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
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 - 3.- FOR CEILING HEIGHTS LIGHTING, ETC. SEE ARCH. REFLECTING CEILING PLANS.
 - 4.- SPRINKLER BRANCH PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

24TH FLOOR

TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRK HEAD, ALLOW FOR ADDITIONAL SPRK HEADS WITH BRANCH PIPING FOR SPRK HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELECT. CONDUIT, ETC. THAT ARE CLOSE UP SPACES 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRK HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRK HEADS LOCATION WITH ALL OBSTRUCTIONS, BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

ISSUE 2	Desc.: Building Department Submission
	Date: September 26, 2014
ISSUE 1	Desc.: ISSUED FOR REVIEW
	Date: SEPTEMBER 02, 2014

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MH Margulies Hoelzl Architecture
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 Tel. 212.388.6700 Fax. 212.388.3152

RICHARD C. BEL
 JAN 0 5 2015

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14198



AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CA Project No. 4806-43

at&t AT&T Proprietary

33 THOMAS STREET
 NEW YORK, NEW YORK

T-Base #: CLJ Code: GEO Code:

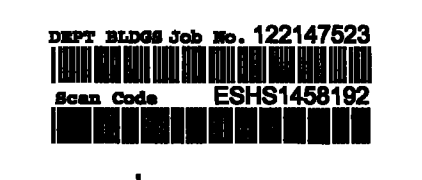
SPRINKLER 24TH FLOOR PLAN

FDNY - F.P. Index #1206102B
 FPIMS # 33191354

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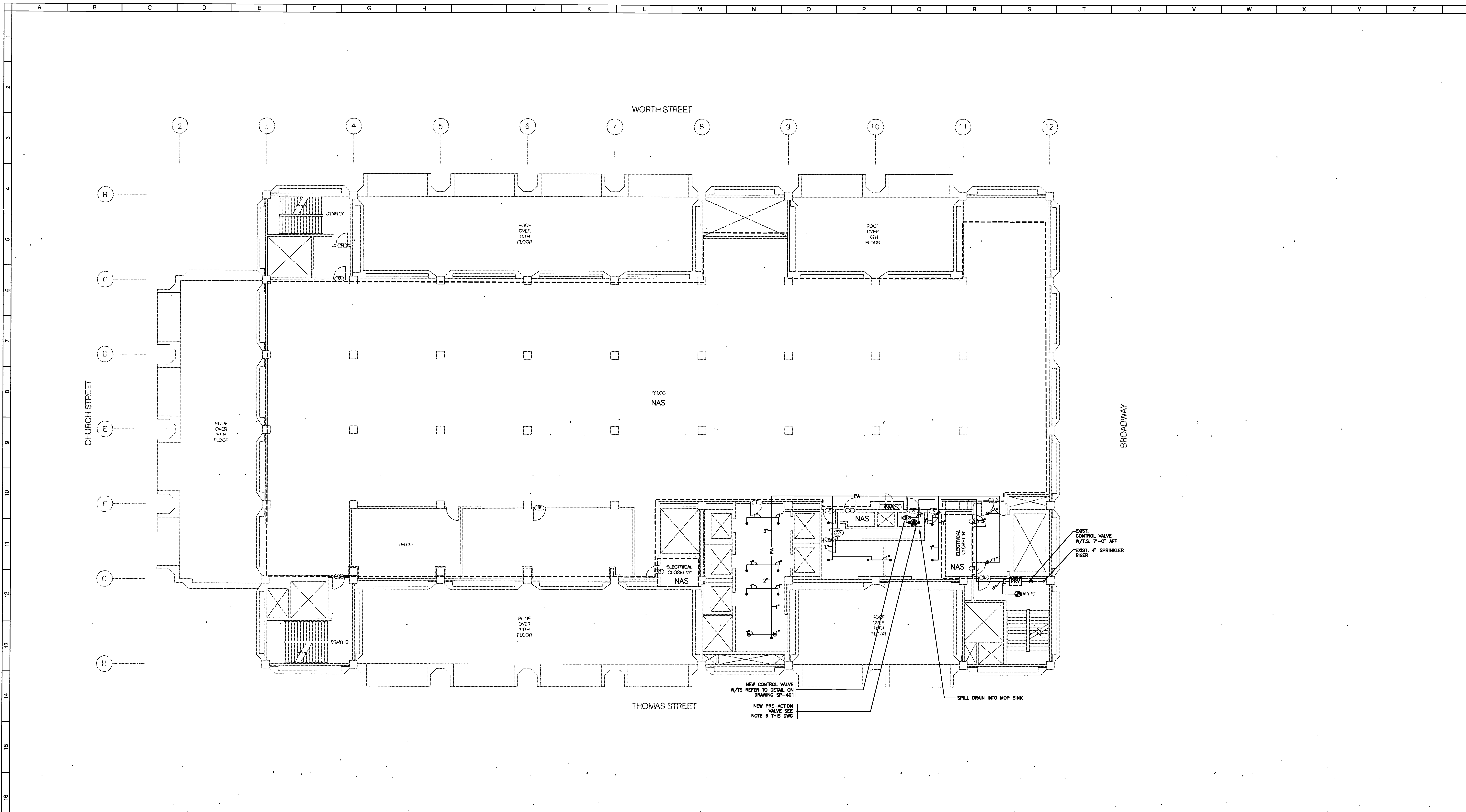
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ISSUE 3	Desc.:
	Date:



Sheet Count: 26 of 31
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27TH FLOOR

- NOTES (TYPICAL):**
1. SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 2. CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
 3. PROVIDE GALVANIZED PIPE & FITTINGS ON PRE-ACTION SYSTEM PIPING PER AT&T REQUIREMENTS. SEE MATERIAL SCHEDULE ON DWG. FP-001.
 4. PITCH PRE-ACTION SYSTEM PIPING BACK TO THE PRE-ACTION VALVE PER NFPA 13 REQUIREMENTS FOR DRY SYSTEMS.
 5. PROVIDE TAMPER SWITCHES ON ALL CONTROL VALVES.
 6. PROVIDE METALLIC FIRELOCK SERIES 788 NHT WITH PRE-ACTION TSM WITH 400.744 FLANGED ADAPTOR ON THE DISCHARGE SIDE OF THE PRE-ACTION VALVE. SINGLE INTERLOCK ELECTRIC RELEASE WITH AIR COMPRESSOR. SEE DETAIL DWG. FP-401.
 - 6.1. IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
 - 6.2. CONCEALED PENDENT SPRINKLERS SHALL BE INSTALLED ON RETURN BENDS PER NFPA 13 REQUIREMENTS FOR PRE-ACTION SYSTEMS.
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 - 2.- ALL CONDITIONS COULD NOT BE COMPLETELY DETAILED ON THE DRAWINGS AND ARE NOT LIMITED TO PIPING AND SPRINKLER HEADS, EQUIPMENT, ETC. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL REQUIRED CHANGES IN MAKING UP THESE BID PROPOSAL.
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 - 4.- SPRINKLER BRANCHED PIPE SIZES SHALL BE A MINIMUM OF 1 INCH, UNLESS OTHERWISE NOTED.

TYPICAL:

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ISSUE 2	Date: Building Department Submission
	Date: September 26, 2014
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Carantini MISSION CRITICAL
 2 PENNSYLVANIA PLAZA, NEW YORK, NY 10021
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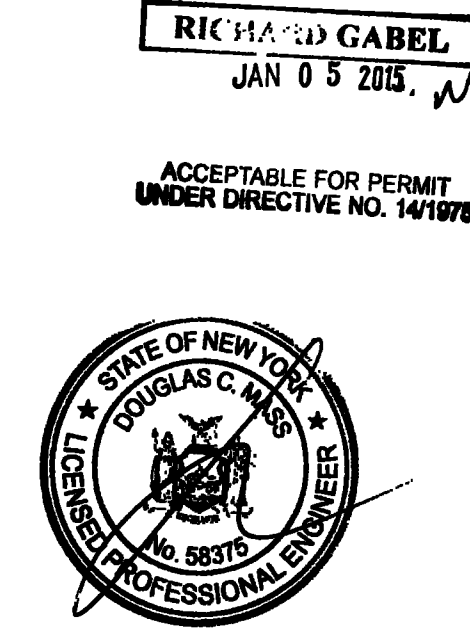
Margulies Hoelzl Architecture
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AT&T - 33 Thomas Local Law 26 Sprinkler Distribution
 CAA Project No. 4806-43

at&t AT&T Proprietary

AT&T
 33 THOMAS STREET
 NEW YORK, NEW YORK

T-Base #: CLJI Code: GEO Code:



FDNY - F.P. Index #1206102B
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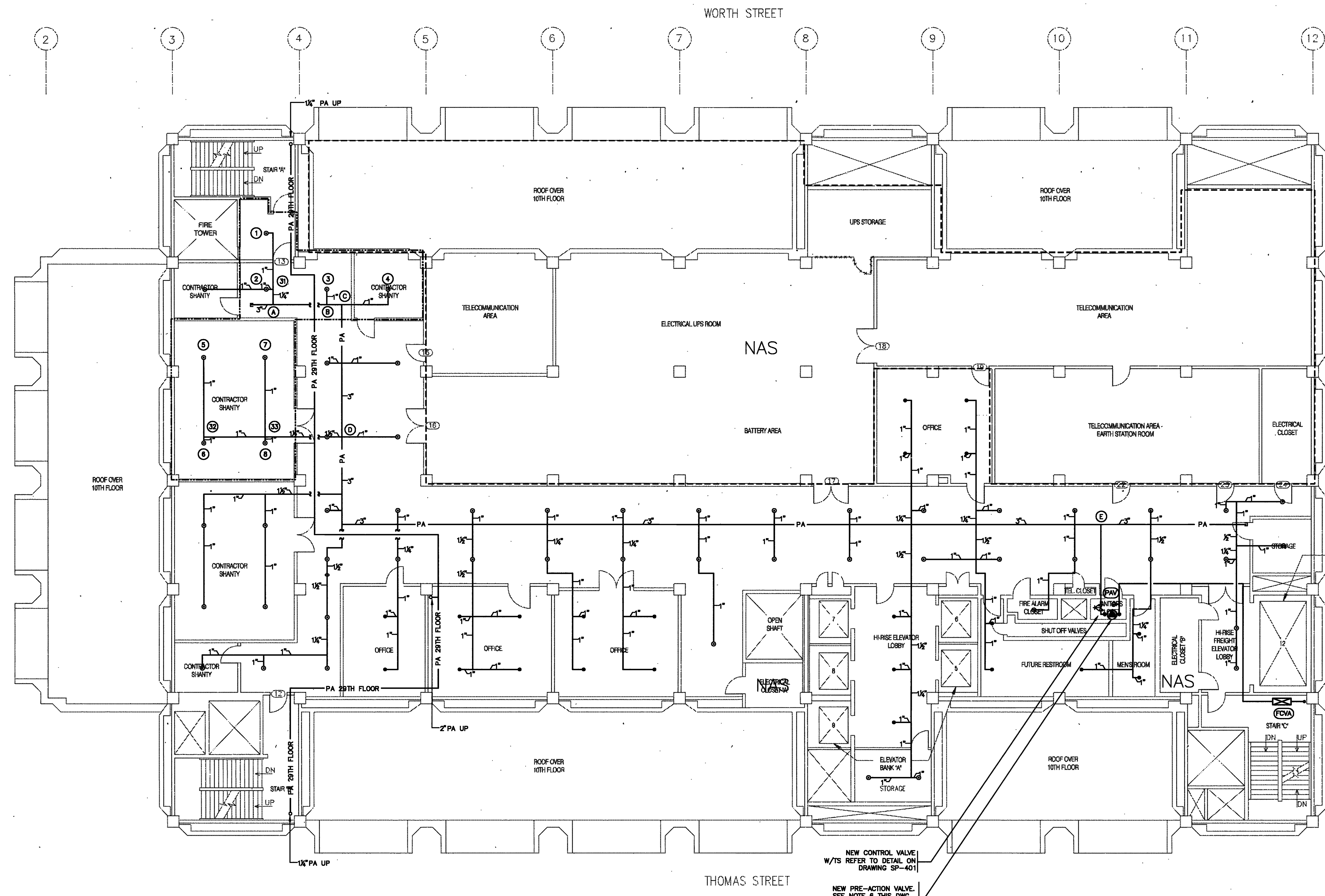
ISSUE 3	Date:
	Date:

SPRINKLER 27TH FLOOR PLAN

Sheet Count: 27 of 31

SP-127.00

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NEW CONTROL VALVE
W/TS REFER TO DETAIL ON
DRAWING SP-401

NEW PRE-ACTION VALVE
SEE NOTE 6 THIS DWG.
SPILL DRAIN INTO MOP
SINK.

- NOTES (TYPICAL):**
- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
 - CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
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 - IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 48" AND WIDER PER NFPA 13 REQUIREMENTS.
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- "GENERAL"-FIRE PROTECTION CONTRACTOR NOTES**
- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM (WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE H.V.A.C. ELECTRICAL AND COMMUNICATION CONTRACTORS) SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE ABOVE WITHOUT USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
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TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD, ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC. THAT ARE CLOSE UP SPACED 4'-0" WIDE AND WIDER. PROVIDE WIRE GUARDS FOR ALL SPRINKER HEADS INSTALLED LOWER THAN 7'-0". COORDINATE SPRINKER HEADS LOCATION WITH ALL OBSTRUCTIONS: BEAMS, PENDENT LIGHTS, DUCTWORK, ETC.

- DESIGN CRITERIA INFORMATION (FILE 28TH FL)**
- AREA OF APPLICATION = 1080 SQ. FT.
 - OCCUPANCY CLASSIFICATION = LIGHT HAZARD
 - MAXIMUM COVERAGE PER SPRINKLER HEAD = 225 SQ. FT.
 - DESIGN DENSITY = .10 GPM/SQ. FT.
 - NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 8.
 - K_f FACTOR OF SPRINKLER HEADS = 5.82.
 - HOSE DEMAND = 1.5/1.5 GPM AT 150 PSI
 - SPRINKLER SYSTEM DEMAND = 108.0 GPM @ 45.0 PSI AT BOR
 - AVAILABLE WATER SUPPLY = 500 GPM @ 25 PSI AT BOR.
 - DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NYC BUILDING CODE-2008
 - NFPA-13-2002

ISSUE 3	Desc: Issue For DOB Submission Date: December 11, 2014
ISSUE 2	Desc: Building Department Submission Date: September 26, 2014
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AT&T - 33 Thomas Local Law 26 Sprinkler Distribution CAA Project No. 4806-43

at&t AT&T Proprietary

AT&T
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 NEW YORK, NEW YORK

T-Base #: CUII Code: GEO Code:

SPRINKLER 28TH FLOOR PLAN

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Date: Sheet Count: 30 of 33

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FDNY - F.P. Index #1206102B
 FPIMS # 33191354

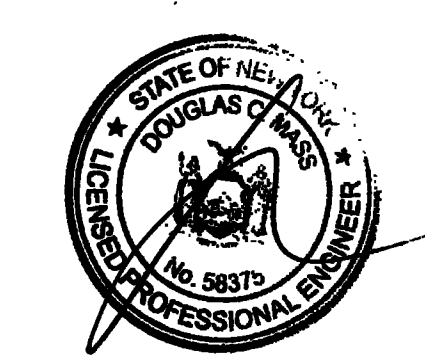
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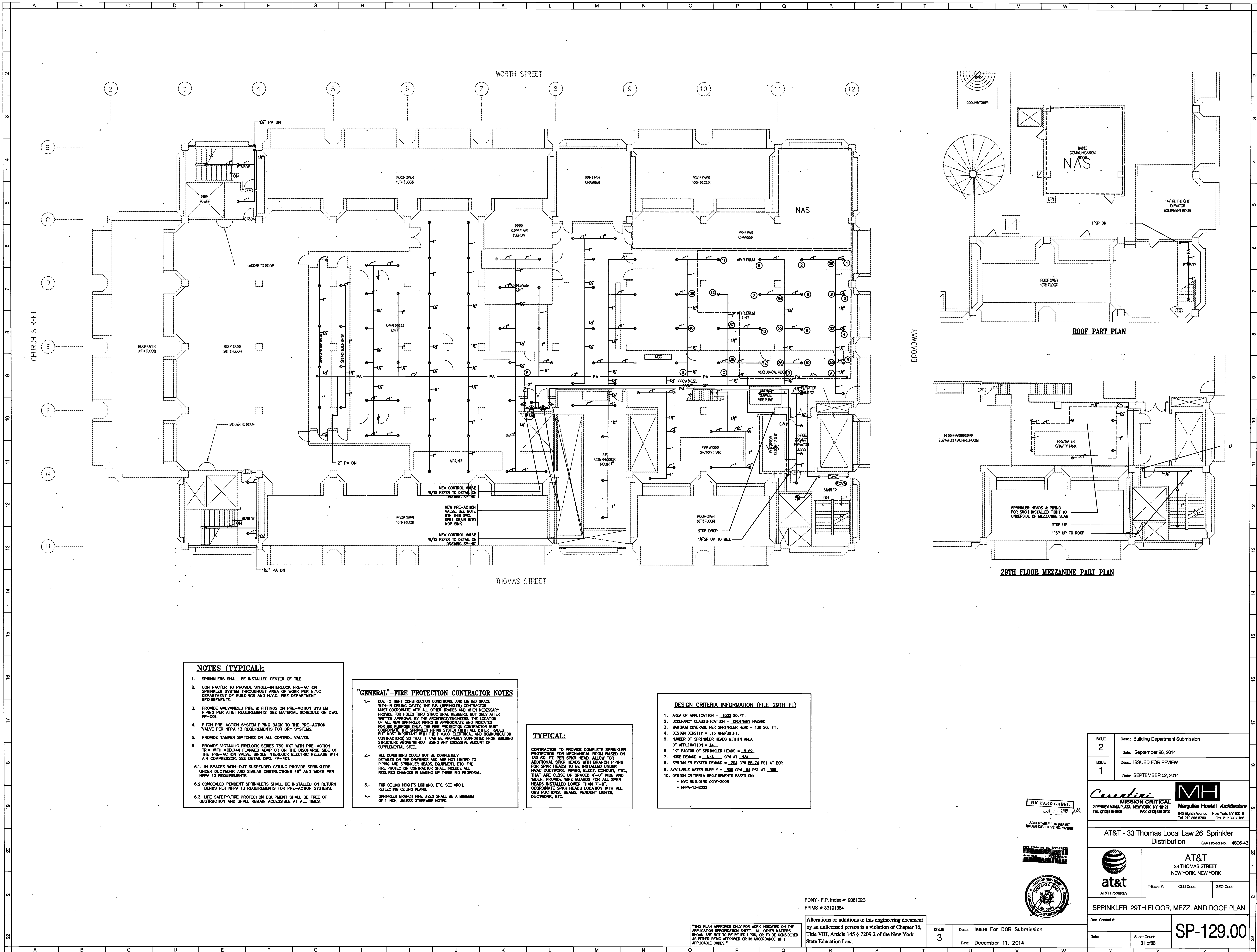
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 JAN 0 2 2015

ACCEPTABLE FOR PERMIT UNDER E.O. 14176

NEW YORK STATE DEPARTMENT OF FIRE PROTECTION





NOTES (TYPICAL):

- SPRINKLERS SHALL BE INSTALLED CENTER OF TILE.
- CONTRACTOR TO PROVIDE SINGLE-INTERLOCK PRE-ACTION SPRINKLER SYSTEM THROUGHOUT AREA OF WORK PER N.Y.C. DEPARTMENT OF BUILDINGS AND N.Y.C. FIRE DEPARTMENT REQUIREMENTS.
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- IN SPACES WITH-OUT SUSPENDED CEILING PROVIDE SPRINKLERS UNDER DUCTWORK AND SIMILAR OBSTRUCTIONS 4\"/>

"GENERAL" - FIRE PROTECTION CONTRACTOR NOTES

- DUE TO TIGHT CONSTRUCTION CONDITIONS, AND LIMITED SPACE WITH-IN CEILING CAVITY, THE F.P. (SPRINKLER) CONTRACTOR MUST COORDINATE WITH ALL OTHER TRADES AND WHEN NECESSARY PROVIDE FOR HOLES THRU STRUCTURAL MEMBERS, BUT ONLY AFTER WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. THE LOCATION OF ALL NEW SPRINKLER PIPING IS APPROXIMATE AND INDICATED FOR BID PURPOSE ONLY. THE FIRE PROTECTION CONTRACTOR MUST COORDINATE THE SPRINKLER PIPING SYSTEM WITH ALL OTHER TRADES BUT MOST IMPORTANT WITH THE E.L.V.C. ELECTRICAL AND COMMUNICATION CONTRACTORS SO THAT IT CAN BE PROPERLY SUPPORTED FROM BUILDING STRUCTURE W/O USING ANY EXCESSIVE AMOUNT OF SUPPLEMENTAL STEEL.
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TYPICAL:

CONTRACTOR TO PROVIDE COMPLETE SPRINKLER PROTECTION FOR MECHANICAL ROOM BASED ON 130 SQ. FT. PER SPRINKER HEAD. ALLOW FOR ADDITIONAL SPRINKER HEADS WITH BRANCH PIPING FOR SPRINKER HEADS TO BE INSTALLED UNDER HVAC DUCTWORK, PIPING, ELEC. CONDUIT, ETC., THAT ARE CLOSE UP SPACED 4\"/>

DESIGN CRITERIA INFORMATION (FILE 29TH FL)

- AREA OF APPLICATION = 1500 SQ. FT.
- OCCUPANCY CLASSIFICATION = LABORATORY HAZARD
- MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT.
- DESIGN DENSITY = .15 GPM/SQ. FT.
- NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 14
- K_f FACTOR OF SPRINKLER HEADS = 5.62
- HOSE DEMAND = 1/2 GPM AT 150 FT.
- SPRINKLER SYSTEM DEMAND = 224 GPM @ 55.74 PSI AT BOR
- AVAILABLE WATER SUPPLY = 500 GPM @ 64 PSI AT BOR
- DESIGN CRITERIA REQUIREMENTS BASED ON:
 - NFC BUILDING CODE-2008
 - NFPA-13-2002

FDNY - F.P. Index #1206102B
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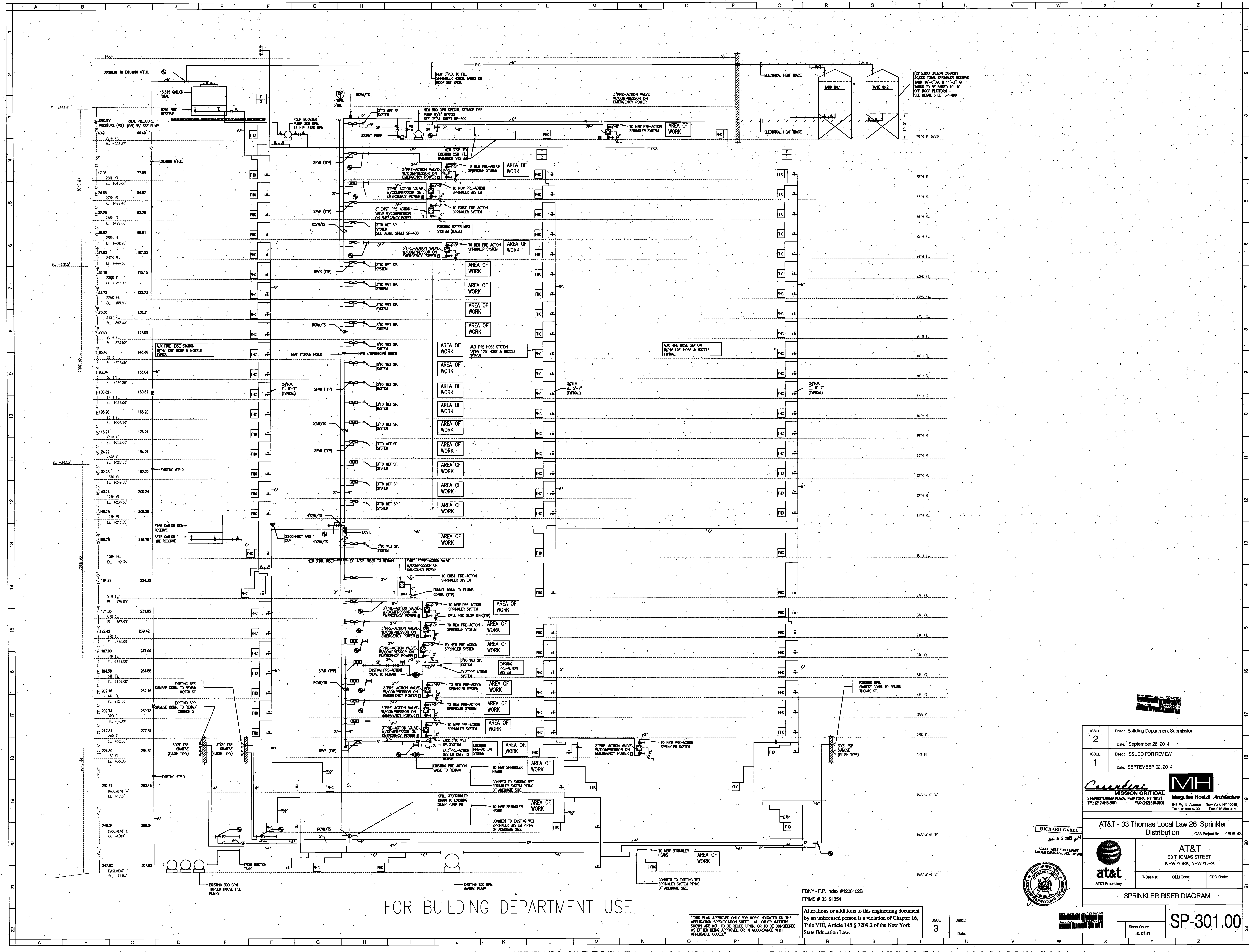
RICHARD LABEL
JAN 6 3 2015

ACCEPTABLE FOR PERMIT UNDER ORDINANCE NO. 147888



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ISSUE 1	Desc: ISSUED FOR REVIEW
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AT&T 33 THOMAS STREET NEW YORK, NEW YORK	
T-Base #: CLU Code: GEO Code:	
SPRINKLER 29TH FLOOR, MEZZ. AND ROOF PLAN Doc. Control #:	
Date: Sheet Count: 31 of 33 SP-129.00	

FILE NAME I:\806-43\FIRE\806-43-SP-301.dwg SAVED ON 9/18/2014 8:33 AM PLOTTED ON 9/18/2014 2:18 PM PLOTTED BY SEREN, KADR



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FDNY - F.P. Index #1206102B
FPIMS # 33191354

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ISSUE 2	Desc.: Building Department Submission
	Date: September 26, 2014
ISSUE 1	Desc.: ISSUED FOR REVIEW
	Date: SEPTEMBER 02, 2014

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T-Base #: CLLI Code: GEO Code:

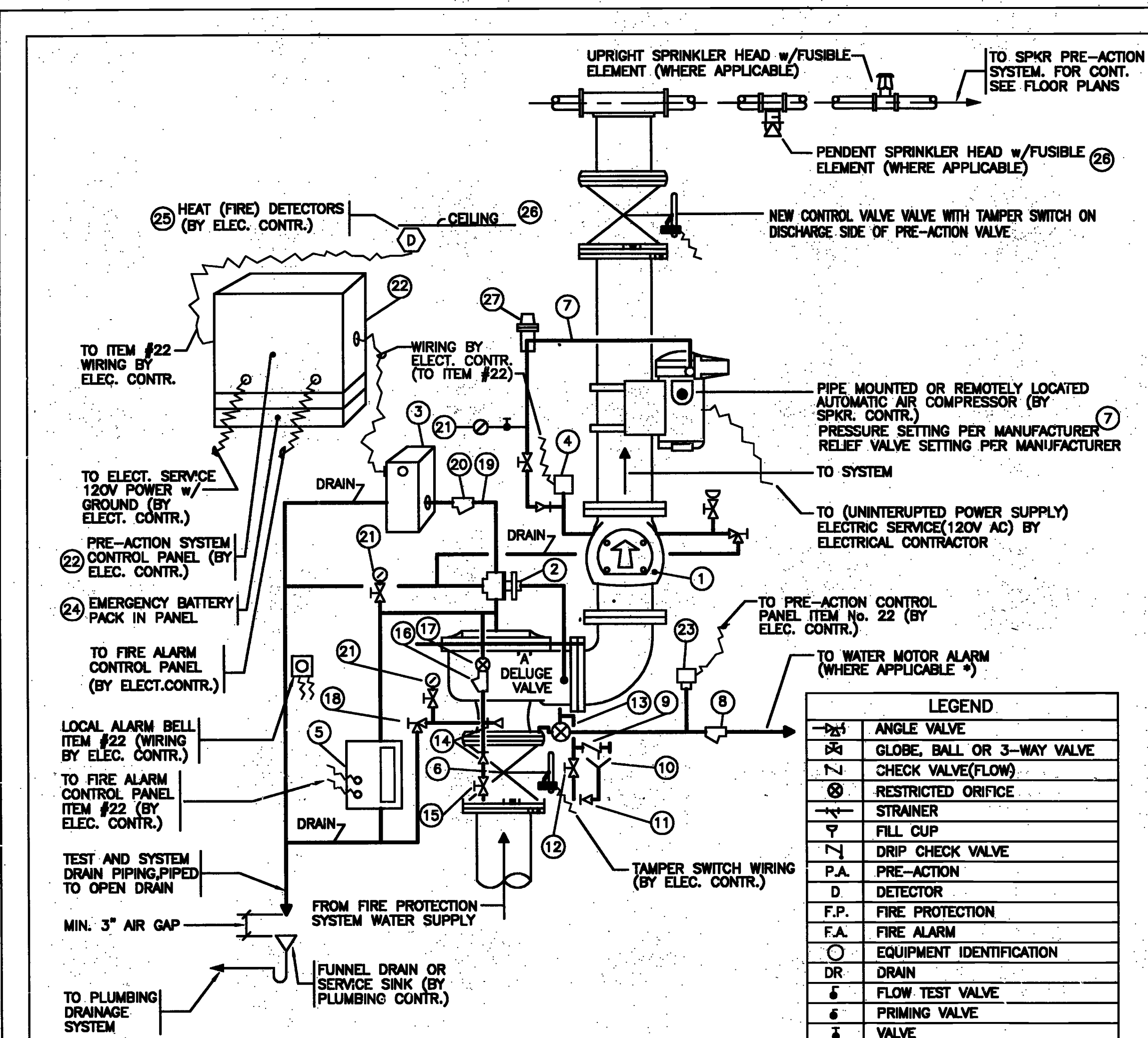
SPRINKLER RISER DIAGRAM

Sheet Count: 30 of 31

SP-301.00



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ACCEPTABLE FOR PERMIT UNDER ORDINANCE NO. 141878



PRE-ACTION SYSTEM ASSEMBLY DETAIL
NOT TO SCALE

NOTES
1. PRE-ACTION SYSTEM IS BASED ON NYC D.O.B. & F.D.N.Y. REQUIREMENTS.
2. ONE SINGLE DETECTOR OR PULL STATION WILL ARM SYSTEM PIPING WITH WATER.
3. FUSING OF CLOSED TYPE SPKR. HD'S WILL DELIVER WATER TO FIRE SITUATION AFTER SYSTEM IS ARMED.

- LEGEND**
- 1/2" ANGLE VALVE
 - 3/4" GLOBE BALL OR 3-WAY VALVE
 - 4" CHECK VALVE(FLOW)
 - 5" RESTRICTED ORIFICE
 - 6" FILL CLIP
 - 7" DRIP CHECK VALVE
 - 8" PRE-ACTION
 - 9" DETECTOR
 - 10" FIRE PROTECTION
 - 11" F.P. FIRE ALARM
 - 12" EQUIPMENT IDENTIFICATION
 - 13" DRAIN
 - 14" STRAINER
 - 15" 6" PRISING VALVE
 - 16" VALVE
 - 17" CHECK VALVE
 - 18" MAIN DRAIN VALVE
 - 19" ALARM TEST VALVE
 - 20" CHECK VALVE
 - 21" PRISING VALVE
 - 22" STRAINER
 - 23" RESTRICTED ORIFICE
 - 24" FLOW TEST VALVE
 - 25" RELEASE LINE
 - 26" PRE-ACTION SYSTEM CONTROL PANEL (BY ELECT. CONTRACTOR)
 - 27" PRESSURE SWITCH (PROVIDE AS MANY AS REQUIRED TO SATISFY SYSTEM DESIGN)
 - 28" EMERGENCY BATTERY PACK IN CABINET MOUNTED ON WALL (CAN BE PART OF ITEM #22) (BY ELECT. CONTR.)
 - 29" HEAT DETECTORS (QUANTITY AND LOCATION TO SATISFY SYSTEM DESIGN)
 - 30" SPRINKLER HEADS (TYPE, QUANTITY AND LOCATION TO SATISFY SYSTEM DESIGN)
 - 31" AIR PRESSURE REGULATORS

- PRE-ACTION SYSTEM REQUIRED COMPONENTS**
SCALE: NONE
- NOTES:**
- REFER TO FLOOR PLANS FOR LOCATION OF PRE-ACTION SYSTEMS.
 - REFER TO FLOOR PLANS FOR VALVE ASSEMBLY SIZING.
 - ALL PIPING AND EQUIPMENT SHALL BE BY THE SPRINKLER CONTRACTOR UNLESS OTHERWISE NOTED.
 - COMPLETE PRE-ACTION SYSTEM ELECTRICAL SUPPLY, ALARMS AND TROUBLE SYSTEM TO BE PROVIDED WITH EMERGENCY ELECTRICAL SERVICE.
- A. EMERGENCY ELECTRICAL SERVICE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

PRE-ACTION SPRINKLER SYSTEMS
SINGLE INTERLOCK TYPE WITH ELECTRICAL RELEASE

1. GENERAL

A. PROVIDE APPROVED TYPE AUTOMATIC SPRINKLER PRE-ACTION SYSTEMS CONSISTING OF CLOSED SPRINKLER HEADS PROPERLY SPACED TO COVER THE AREAS PROTECTED INCLUDING ELECTRICALLY OPERATED DELUGE VALVES ACTUATED BY PROPERLY SPACED HEAT TYPE DETECTORS OR PULL STATIONS. THESE HEADS AND VALVES SHALL BE MANUFACTURED BY "TYCO-FIRE" OR "Viking" SPRINKLER CO., OR APPROVED EQUAL.

B. THE COMPLETE PRE-ACTION SUBSYSTEM SHALL BE FABRICATED AND INSTALLED BY A RELIABLE CONTRACTOR WITH A MINIMUM OF TEN (10) YEARS EXPERIENCE SPECIALIZING IN THE INSTALLATION OF FIRE PROTECTION SYSTEMS.

C. SYSTEM CHECKOUT, OWNER TRAINING AND ACCEPTANCE

UPON COMPLETION OF INSTALLATION, A MEETING SHALL BE HELD AT THE SITE WITH THE SPRINKLER CONTRACTOR AND ALL OTHER CONTRACTORS, ENGINEERS, SUPERVISORS AND OTHER PERSONNEL PRESENT. THE CONTRACTOR SHALL FAMILIARIZE THE OTHER PERSONNEL WITH SYSTEM COMPONENTS, SYSTEM FUNCTIONS AND RECOMMENDED PROCEDURES. AT THIS TIME A FUNCTIONAL TEST OF THE SYSTEM WILL BE DEMONSTRATED, INCLUDING A DISCHARGE TEST. SUCH TEST IS NECESSARY TO DEMONSTRATE ABILITY OF THE SYSTEM TO OPERATE PROPERLY. THE CONTRACTOR SHALL FURNISH THE NECESSARY PERSONNEL TO ASSIST IN THE TESTING AND CONDUCT THIS TEST. THE CONTRACTOR WILL PROVIDE THE OWNER WITH A SYSTEM CHECK LIST WHICH GIVES THE SIGN AS ACCEPTANCE OF THE SYSTEM. THE CONTRACTOR WILL PROVIDE THE OWNER WITH A COMPLETE OPERATION AND MAINTENANCE MANUAL AS WELL AS A WRITTEN SUMMARY OF ANY FUNCTIONAL TEST CONDUCTED. THE CONTRACTOR SHALL BE CAPABLE OF CONDUCTING SEMI-ANNUAL SYSTEM INSPECTIONS AND BE EQUIPPED TO RECOMMISSION THE COMPLETE SYSTEM WITHIN 24 HOURS IN THE EVENT OF A SYSTEM ACTUATION.

D. PRE-ACTION SYSTEM OPERATION AND BASIC COMPONENTS AS FOLLOWS:

- CHECK VALVE ON DISCHARGE SIDE OF DELUGE VALVE TO RETAIN SUPERVISORY AIR PRESSURE.
- ELECTRICALLY OPERATED DELUGE VALVE TO WITHHOLD RELEASE OF WATER IN SYSTEM.
- EXTERNAL RESET PROVISION TO FACILITATE TESTING OF DELUGE VALVE.
- ELECTRIC RELEASES TO RETAIN OR RELEASE CLAPPER IN DELUGE VALVE.
- RELEASE CONTROL PANEL TO SUPERVISE AND CONTROL RELEASE MECHANISM.
- END-LINE RESISTORS TO REGULATE SUPERVISORY CURRENT IN DETECTOR UNITS.
- TROUBLE SIGNAL AND BELL SIGNAL CIRCUIT FAULTS.
- POWER SUPPLY PANELS TO PROVIDE PRIMARY POWER SUPPLY (AND EMERGENCY POWER SUPPLY) TO RELEASE MECHANISM.
- STORAGE BATTERY UNITS TO PROVIDE SECONDARY SOURCE OF POWER SUPPLY.
- TAMPER SWITCHES TO SUPERVISE O.S.A.Y. CONTROL VALVES, CONTROL VALVES TO CONTROL WATER SUPPLY TO DELUGE VALVE.
- HEAT DETECTOR HEADS AS REQUIRED. DETECTOR HEADS TO INITIATE OPERATION OF RELEASE MECHANISM THROUGH CONTROL PANELS.
- EMERGENCY BREAK GLASS STATIONS FOR MANUAL PROVISIONS FOR OPERATING DETECTOR HEADS.
- ELECTRIC ALARM SWITCHES TO OPERATE ELECTRIC ALARMS UPON WATER FLOW.
- SUPERVISORY AIR SUPPLY, SELF-CONTAINED, WITH AIR COMPRESSOR PANEL, AIR COMPRESSOR MOTOR, CHECK VALVE, PRESSURE GAUGE, TUBING, AUDIBLE AND VISUAL ALARM, SILENCE SWITCH, O.S.A.Y. MONITOR SWITCH.
- AIR MAINTENANCE DEVICE WITH VALVE, FILTER, REGULATOR, LOW PRESSURE ALARM, PRESSURE GAUGE, CHECK VALVE.
- BELLS WITH STROBE UNIT, AND HORN UNITS.

PRE-ACTION SPRINKLER SYSTEMS
DESCRIPTION AND SEQUENCE OF OPERATION

1. SYSTEM DESCRIPTION

A. THE SINGLE INTERLOCK PRE-ACTION SYSTEM UTILIZES A DELUGE VALVE WHICH IS TRIPPED BY THE ACTUATION OF A SOLENOID VALVE FROM THE OPERATION OF THE DETECTOR SYSTEM. THIS PUTES WATER IN THE SYSTEM PIPING PRIOR TO FUSING OF THE SPRINKLER HEADS PERMITTING A MORE RAPID FIRE ATTACK. THE SYSTEM PIPING IS PRESSURIZED WITH AIR FOR SUPERVISORY PURPOSES. IF THE SYSTEM PIPING OF A SPRINKLER HEADS IS BROKEN, THE PRESSURE WILL BE REDUCED AND AN ALARM WILL SOUND.

B. PRE-ACTION WATER SUPPLY CONTROL VALVE IS PROVIDED WITH A TAMPER SWITCH TO SUPERVISE THE SYSTEMS WATER SUPPLY.

2. GENERAL SYSTEM OPERATION

A. WATER PRESSURE IS MAINTAINED IN THE TOP CHAMBER OF DELUGE VALVE BY PASSING THROUGH A SMALL CHECK VALVE AND RESTRICTED ORIFICE. SYSTEM PIPING IS PRESSURIZED WITH AIR SO ALARM WILL SOUND IF A SPRINKLER HEAD OPENS OR PIPING IS DAMAGED BUT NO WATER WILL FLOW. WHEN DETECTORS ARE OPERATED, THE SOLENOID VALVE IN THE MAGNETIC BYPASS OR RELEASE CONTROL UNITS IN THE TOP CHAMBER OF DELUGE VALVE FASTER THAN WATER CAN BE REPLACED THROUGH RESTRICTED ORIFICE WHICH CAUSES IT TO OPEN AND OPERATE ALARM SYSTEM. IF A SPRINKLER HEAD FUSES OR THE SPRINKLER HEAD IS DAMAGED, THE AIR PRESSURE IS LOWNED (WITHIN THE SYSTEM) WHICH ACTIVATES A PRESSURE SWITCH CAUSING A LOW AIR PRESSURE ALARM, BUT NO WATER WILL FLOW.

B. WHEN A DETECTOR OPERATES WITHIN THE AFFECTED AREA AND THE SYSTEM IS ARMED WITH WATER, AND THE TEMPERATURE AT THE SPRINKLER HEAD REACHES THEIR FUSING POINT (NOMINALLY 160°F) WATER WILL FLOW TO SUPPRESS A FIRE.

3. ACTUAL SYSTEM OPERATION

A. THE SYSTEM SHALL FUNCTION AS FOLLOWS WHEN ANY SINGLE DETECTOR OPERATES WITHIN THE PROTECTED AREA:

- TROUBLE LIGHT WILL INDICATE ON CONTROL PANEL AT PRE-ACTION VALVE AND DESIGNATED AREA.
- ALARM BELLS WITH STROBE UNIT AND HORN WILL SOUND WITHIN THE AFFECTED AREA AND DESIGNATED AREAS.
- SOUND COMBINATION BELL/LIGHT AND HORN UNIT ON CONTROL PANEL AT PRE-ACTION VALVE AND DESIGNATED OFFICE AREA INDICATING FIRE SITUATION.
- INITIATE SIGNAL TO THE BUILDING (CLASS "E") FIRE ALARM SYSTEM TO AUTOMATICALLY PROTECTED AREA DEPARTMENT. (COORDINATE CONTACT CLOSURE REQUIREMENTS).
- ACTUATE CIRCUITS TO OPERATE FIRE SAFETY SYSTEM, OPENING OF EXIT DOORS, ETC.
- SHUT DOWN ALL EQUIPMENT, INCLUDING COMPUTERS AND A.C. UNITS, ETC., UNLESS OTHERWISE NOTED WITHIN AFFECTED AREA.
- ACTUATE PRE-ACTION SPRINKLER VALVE.
- ACTIVATE OUTPUT ALARM CONTACT.

B. COMMON TROUBLE ALARM SHALL INITIATE SIGNAL TO BUILDING FIRE ALARM SYSTEM AND DESIGNATED OFFICE AREA.

C. WITH DETECTORS IN OPERATION WITHIN THE AFFECTED AREA AND THE SPRINKLER HEADS FUSED, WATER WILL BE DISCHARGING TO SUPPRESS A FIRE.

D. ACTIVATION OF PRE-ACTION MANUAL PULL STATION SYSTEM SHALL:

- PERFORM FUNCTIONS 2 THROUGH 8.

SYMBOLS LIST

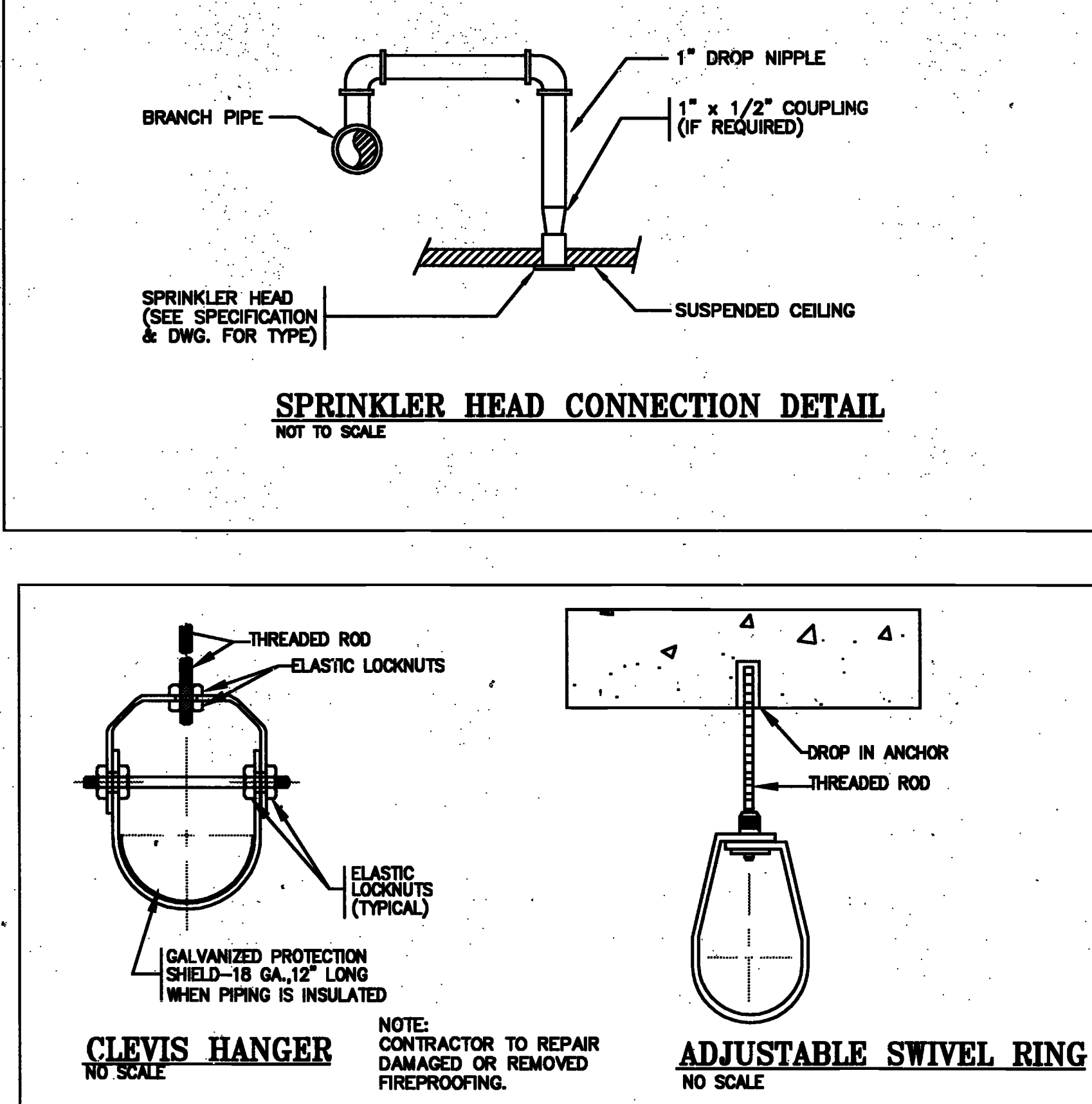
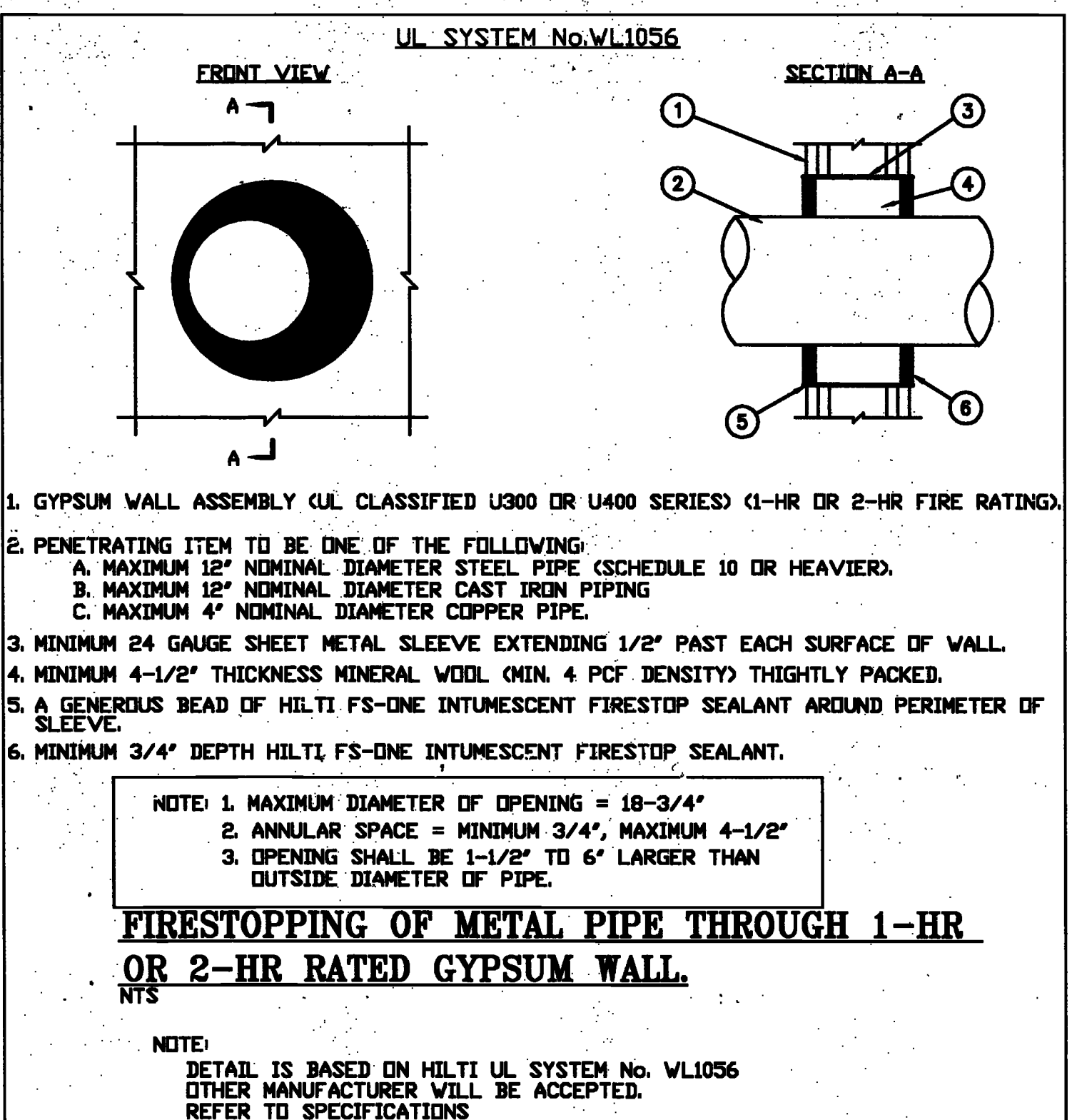
⊕	P.A. VALVE ASSEMBLY
⊕	BELL
⊕	HORN/STROBE
⊕	SMOKE DETECTOR
⊕	MANUAL PULL STATION

PRE-ACTION SYSTEM NOTES

- EACH PRE-ACTION SYSTEM SHALL BE SEPARATE AND COMPLETE AND READY FOR OPERATION AS AN APPROVED TYPE SYSTEM.
- ALL SYSTEM EQUIPMENT, AND ACCESSORY PARTS SHALL BE MANUFACTURED BY ONE MANUFACTURER. THE PRE-ACTION SYSTEM SHALL BE AS MANUFACTURED BY "TYCO-FIRE" OR "Viking" SPRINKLER CO., OR APPROVED EQUAL.
- THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE AND APPROVED TYPE INSTALLATION AS INDICATED ON DRAWINGS. PRE-ACTION SYSTEM ASSEMBLY DETAIL AND SPECIFICATIONS, AND MANUFACTURER'S INSTALLATION RECOMMENDATIONS. SPRINKLER CONTRACTOR MUST PROVIDE ALL ELECTRICAL AND MECHANICAL COMPONENTS, EQUIPMENT, ACCESSORIES, PRESSURE SWITCHES, DETECTORS, PANEL, ETC.
- SPRINKLER CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR AND SHALL BE RESPONSIBLE TO RECEIVE CORRECT INTERFACE OF HIS EQUIPMENT WITH ELECTRICAL SERVICE.
- PRE-ACTION SYSTEM ELECTRICAL SYSTEM SHALL BE CONNECTED TO BASE BUILDING SYSTEM ELECTRICAL POWER.
- PRE-ACTION SYSTEM VALVE ASSEMBLY AND ALL COMPONENTS SHALL BE INSTALLED AT AN ELEVATION ABOVE THE FINISHED FLOOR THAT WILL ALLOW FOR EASY SERVICE AND OPERATION. MOUNTING HEIGHTS OF DEVICES SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE DRAWINGS:
 - VALVE ASSEMBLY - NOT ABOVE 8'-6" A.F.F.
 - CONTROL PANEL - 6'-0" TO THE TOP A.F.F.
 - PULL STATIONS, ALARM STATIONS AND OTHER SWITCHES - CENTER LINE 4'-0" A.F.F.
 - ALARMS - TOP OF DEVICE 6" BELOW CEILING LINE
- SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR FOR LOCATION AND INSTALLATION OF FLOOR OR FLOOR DRAIN (SINK) FOR EACH PRE-ACTION SYSTEM. THE DRAIN SHALL BE ASSEMBLY (FOR PROPER DRAINAGE) IN ACCORDANCE WITH NFPA #13 RULES AND REGULATIONS.
- SPRINKLER CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR INTERFERENCE OF PRE-ACTION SYSTEM EQUIPMENT AND AVAILABLE ELECTRIC SERVICE AND SHALL PROVIDE AND INSTALL THE FOLLOWING:
 - A SEPARATE FUSE CUTOFF BOX WITH SOLID (REMOVABLE) COPPER BAR FOR EACH PRE-ACTION SUBSYSTEM, AND LABEL AS SUCH.
 - A SEPARATE PRESSURE SWITCH (WATER FLOW) FOR EACH PRE-ACTION SUBSYSTEM WITH INDIVIDUAL CONNECTION AND HEAD-OUT AND ALARM AT THE BUILDING CLASS "E" SYSTEM COMMAND STATION.
- MEANS OF TESTING DETECTOR FOR EACH PRE-ACTION SUBSYSTEM SHALL PERFORM ALL REQUIRED FUNCTIONS.
- SEPARATE MANUAL PULL STATIONS AS INDICATED ON THE DRAWINGS AND FOR EACH REMOTELY LOCATED ROOM.
- MEANS OF TESTING WATER FLOW SWITCHES FOR EACH PRE-ACTION SUB.
- A MEANS OF TESTING DETECTOR FOR EACH PRE-ACTION SUBSYSTEM.
- TROUBLE CONDITIONS AND INTERCONNECT TO BUILDING FIRE ALARM SYSTEM COMMAND STATION FOR PRE-ACTION CONTROL.
- MEANS OF SHUTTING DOWN A/C UNIT SUPPLYING AIR TO PROTECTED AREA AND ALL EQUIPMENT WITHIN THE PROTECTED AREA, UPON ACTIVATION OF ANY DEVICE CONTROLLING THE PRE-ACTION SYSTEM.
- A SEPARATE #10 GREEN GROUND WIRE FROM BUILDING MAIN WATER LINE OR BUILDING STEEL, FOR EACH PRE-ACTION SUBSYSTEM CONTROL PANEL.
- LABEL ALL SPARE WIRES IN PRE-ACTION SUBSYSTEM CONTROL PANEL.
- INTERFACE EACH PRE-ACTION SUBSYSTEM TO THE BUILDING FIRE ALARM SYSTEM.
- NUMBER, SPACING AND LOCATION OF HEAT DETECTORS, PULL STATIONS AND SHUT OFF SWITCHES REQUIRED SHALL BE IN STRICT ACCORDANCE WITH NFPA #13, NEW YORK CITY BUILDING CODE AND NEW YORK CITY FIRE DEPARTMENT RULES AND REGULATIONS. THE FINAL APPROVAL OF SPRINKLER CONTRACTORS SHOP DRAWINGS ARE SUBJECT TO COMPLIANCE WITH THE ABOVE NOTES.

FIRE PROTECTION VALVE SCHEDULE

TYPE	MANUFACTURER	SIZE	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	15"	18"	24"	30"	36"	48"	60"	72"	96"	120"
ORIE VALVES	NI 1-104-0	1 1/2"-2"																					
CHECK VALVES	NI 1-308-W	1 1/2"-2"																					
BUTTERFLY VALVES	NI 1-308-W	1 1/2"-2"																					
GLOBE & ANGLE VALVES	NI 1-308-W	1 1/2"-2"																					
BALL VALVES	NI 1-308-W	1 1/2"-2"																					
WALL AND HOOK POSTS	NI 1-308-W	1 1/2"-2"																					



SCHEDULE OF SPRINKLER HEADS

MANUFACTURER SYMBOL	& MODEL No.	TYPE	LOCATION	FINISH & REMARKS	TEMP. RATING	K FACTOR	SP. HD. COVERAGE	MIN. FLOW	MIN. PRESS.	APPROVALS
⊕	"TYCO" SERIES TY-FR QUICK RESPONSE	UPRIGHT/PENDENT	THROUGHOUT THE FACILITY IN AREAS WITHOUT SUSPENDED CEILING UNLESS OTHERWISE NOTED	AS APPROVED BY THE ARCHITECT	SEE NOTE #1, #2 & #3	5.8	VARIES	NOTE #4	NOTE #4	UL/FM I 112-04-E
⊕	"TYCO" RF I QUICK RESPONSE	CONCEALED PENDENT	FINISH CEILING AREA	AS APPROVED BY THE ARCHITECT	SEE NOTE #1, #2 & #3	5.8	VARIES	NOTE #4	NOTE #4	UL/FM I 353-01-E

NOTES:

- SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE METAL WIRE GUARDS WHERE SPRINKLER HEADS ARE SUBJECT TO DAMAGE, SUCH AS SPRINKLER HEADS LOCATED UNDER HVAC DUCTS IN MECHANICAL EQUIPMENT ROOMS WHEN LOCATED LOWER THAN 7'-0" AFF.
- ALL SPRINKLER HEADS THROUGHOUT THE FACILITY SHALL BE OF THE ORDINARY TEMPERATURE RATING EXCEPT AS FOLLOWS:
 - SPRINKLER HEADS LOCATED CLOSE TO HEATERS, STEAM PIPING OR LOW-PRESSURE SLOW-OFF VALVE SHALL BE OF THE TEMPERATURE RATING AS REQUIRED BY NFPA 13.
- ALL HEAT GENERATING EQUIPMENT WHICH CAN AFFECT THE TEMPERATURE RATING OF THE SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.
- SPRINKLER HEADS MINIMUM FLOW & MINIMUM PRESSURE REQUIREMENTS TO BE BASED ON HYDRAULIC CALCULATION DESIGN DENSITIES.
- ALL SPRINKLER HEAD FINISHES TO BE APPROVED BY ARCHITECT.

FIRE PROTECTION MATERIAL SCHEDULE

SYSTEM	PIPE	FITTINGS	JOINTS
1. FOR REQUIRED PRESSURE RATINGS, REFER TO RISER DIAGRAM.	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
2. ALL MATERIALS SELECTED ON THIS SCHEDULE MUST BE APPROVED BY THE LOCAL AUTHORITIES.	2" - 48" GALV. STEEL	2" - 48" GALV. STEEL	2" - 48" GALV. STEEL
3. TO BE USED DOWNSTREAM OF SPRINKLER FLOOR CONTROL VALVE (2" & LARGER ONLY) AND SPRINKLER BRANCH PIPING UP TO 2".	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
4. TO BE USED ON RISERS, MAINS, AND SPRINKLER BRANCH PIPING UP TO 2".	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
5. USE OF ANY PIPING OR TUBING WITH I.D. OR O.D. OTHER THAN SCHEDULE 10 OR SCHEDULE 40 IS NOT PERMITTED.	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
6. NO MECHANICAL FITTINGS OR JOINTS SHALL BE UTILIZED.	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
FIRE STANDPIPE	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
SPRINKLER	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
SPRINKLER DRAIN PIPE	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL
PRE-ACTION SPRINKLER	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL	1/2" - 2" GALV. STEEL