PIPE HANGER & SUPPORT SCHEDULE

PIPE BUILDING DEPARTMENT NOTES

MECHANICAL SCHEDULES

MECHANICAL SCHEDULES

MECHANICAL SCHEDULES

MECHANICAL SCHEDULES

MECHANICAL WATER RISER DIAGRAM #2

MECHANICAL WATER RISER DIAGRAM #1

MECHANICAL AIR RISER DIAGRAM #2

MECHANICAL AIR RISER DIAGRAM #1

MECHANICAL SECTIONS #3

MECHANICAL SECTIONS #2

MECHANICAL ROOF PLAN

MECHANICAL 46TH FLOOR PLAN

MECHANICAL 45TH FLOOR PLAN

MECHANICAL 44TH FLOOR PLAN

MECHANICAL 43RD FLOOR PLAN

MECHANICAL 42ND FLOOR PLAN

MECHANICAL 40TH & 41ST FLOOR PLAN

MECHANICAL 26TH & 34TH FLOOR PLAN

MECHANICAL 25TH & 35TH FLOOR PLAN

MECHANICAL 23RD, 24TH, & 36TH FLOOR PLAN

MECHANICAL 20TH, 21ST & 37TH THRU 39TH FLOOR PLAN

MECHANICAL 18TH & 19TH FLOOR PLAN

MECHANICAL 17TH FLOOR PLAN

MECHANICAL 16TH FLOOR PLAN

MECHANICAL 15TH FLOOR PLAN

MECHANICAL 14TH FLOOR PLAN

MECHANICAL 12TH FLOOR PLAN

MECHANICAL 10TH FLOOR PLAN

MECHANICAL 9TH FLOOR PLAN

MECHANICAL 7TH FLOOR PLAN

MECHANICAL 6TH FLOOR PLAN

MECHANICAL 5TH FLOOR PLAN

MECHANICAL 4TH FLOOR PLAN

MECHANICAL 3RD FLOOR PLAN

MECHANICAL 2ND FLOOR PLAN

MECHANICAL 1ST FLOOR PLAN

MECHANICAL CELLAR FLOOR PLAN

MECHANICAL LEGEND, SYMBOLS, NOTES & DRAWING LIST

MECHANICAL DRAWING LIST

PBDW ARCHITECTS

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MECHANICAL 3RD FLOOR PLAN

1/8" = 1'-0"
1) ALL DUCTWORK SIZES INCLUDE 1" AL
2) INTERLOCK EXISTING CONTROL VALVES WITH PERIMETER UNIT CONTROLS.
3) PROVIDE CONDENSATE PUMPS AS REQUIRED AND PUMP TO JC.
4) EXACT LOCATION OF REFRIGERANT PIPING TO BE COORDINATED BY CONTRACTOR.
NOTES:
1. PROVIDE FIRE DAMPERS FOR ALL DUCTS PENETRATIONS

5/9.30.2016 5 DOB FILING
09.02.2016 4 100% DESIGN DEVELOPMENT
07.15.2016 3 50% DESIGN DEVELOPMENT
04.08.2016 2 100% SCHEMATIC DESIGN

212 226 0808 | yabupushelberg.com
TORONTO, ON M4M 2M3
55 BOOTH AVENUE

Yabu Pushelberg | Interior Design
New York, NY 10001
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zeroLUX | Lighting Design
Flushing, NY 11369
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Jablonski Building Conservation | Conservation Consultant
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21 Penn Plaza

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AAI Architects, P.C. | Interior Architect
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Two Pennsylvania Plaza, 3rd Floor

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203.838.4167 | jaffeholden.com
212 691 3020 | fmsp.com
212.938.1260 | manciniduffy.com
114–A Washington Street

Jaffe Holden | Acoustic Consultant
South Norwalk, Connecticut 06854
212 691 3020 | fmsp.com
114–A Washington Street

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New York City, New York 10005
14 Wall Street, 2nd Floor

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New York, NY 10018
212.938.1260 | manciniduffy.com
New York, NY 10001
275 Seventh Avenue

Mancini Duffy | Architect of Record
275 Seventh Avenue

PBDW

Theatre Projects Consultants | Theater Consultant
973.776.4404 | iroselevator.com
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new york city, new york 10005
14 wall street, 2nd floor

Severud Associates | Structural Engineer
New York, NY 10018
212.938.1260 | manciniduffy.com
New York, NY 10001
275 Seventh Avenue

Mancini Duffy | Architect of Record
275 Seventh Avenue

PBDW
NOTES:

1. PROVIDE FIRE DAMPERS FOR ALL DUCT PENETRATIONS THROUGH FIRE RATED SHAFTS AND SLABS.

C.8

UP TO 46TH FL

16x10

16x14

24x16

16x10

UP TO 46TH FL

16x14

16x20

UP & DN

STAIR PRESS

2 1/2" F.O.; 2 1/2" VENT; 3" RETURN IN
MASONRY SHAFT; INSIDE DIMENSIONS 30"x12"
(FROM SUBCELLAR)

32x12 UP HV RISERS FOR CONED UPPER
ELECTRICAL SERVICE

10" CWRR UP & DN

10" CWS&R UP & DN

8" HWS&R UP & DN

10" STORM UP & DN

10" GAS UP & DN

12" VENT UP & DN

40X24 UP & DN

STAIR PRESS

SP

2

DATE:

Roxane Tsirigotis, RA
04/25/2018
AN INDIVIDUAL HOT WATER BOILER TERMINATE AS PER TYPICAL FOR ALL BOILERS

EXPANSION TANK

B-44-6

SAND FILTER

AC-47-1

TRANSFORMER

8A8-2

TRANSFORMER

8A8-2

TRANSFORMER

8A8-2

TRANSFORMER

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TRANSFORMER

8A8-2

TRANSFORMER
**Water Cooled Chiller Schedule**

<table>
<thead>
<tr>
<th>Unit Tag &amp; No.</th>
<th>Service</th>
<th>Location</th>
<th>Platforms</th>
<th>Condenser</th>
<th>Compressor</th>
<th>Electrical Data</th>
<th>Refrigerant</th>
<th>Remarks</th>
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**Pump Schedule**

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<thead>
<tr>
<th>Service</th>
<th>Location</th>
<th>Type</th>
<th>GPM</th>
<th>Head, Lvl</th>
<th>PD (Ft.)</th>
<th>GPM</th>
<th>Head, Lvl</th>
<th>PD (Ft.)</th>
<th>Max PD (PSI)</th>
<th>Design Pressure (Primary and Secondary Sides) (PSI)</th>
<th>Dimensions</th>
<th>Remarks</th>
</tr>
</thead>
</table>

**Plate Frame Heat Exchanger Schedule**

<table>
<thead>
<tr>
<th>Service</th>
<th>Location</th>
<th>Primary Water</th>
<th>Secondary Water</th>
<th>Min. Surface Area (sqft.)</th>
<th>Design Pressure (Primary and Secondary Sides) (PSI)</th>
<th>Dimensions</th>
<th>Remarks</th>
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</thead>
</table>

**Expansion Tank Schedule**

<table>
<thead>
<tr>
<th>Service</th>
<th>Location</th>
<th>Height (in)</th>
<th>Diameter (in)</th>
<th>Cap (gal)</th>
<th>Work (psig)</th>
<th>Operating Pressure (psig)</th>
<th>Model No.</th>
<th>Remarks</th>
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</thead>
</table>

**Air Separator Schedule**

<table>
<thead>
<tr>
<th>Service</th>
<th>Location</th>
<th>Height (in)</th>
<th>Diameter (in)</th>
<th>Cap (gal)</th>
<th>Work (psig)</th>
<th>Operating Pressure (psig)</th>
<th>Model No.</th>
<th>Remarks</th>
</tr>
</thead>
</table>

**Notes:**
- Under Directive 2 of 1975
- Date: 04/25/2018
- Roxane Tsirigotis, RA

**Platt Byard Dovell White Architects LLP**

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212.615.3600 | cosentini.com

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718.383.9340 | design2147.com

Severud Associates | Structural Engineer
Cosentini Associates | Mechanical Engineer
Design 2147 Limited | Code Consultant

52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com
### AIR HANDLING UNIT SCHEDULE

<table>
<thead>
<tr>
<th>UNIT</th>
<th>AREA</th>
<th>LOCATION</th>
<th>FAN</th>
<th>CONDENSER</th>
<th>WATER TEMPERATURE</th>
<th>CAPACITY</th>
<th>WATER TEMPERATURE</th>
<th>AIR TEMPERATURE</th>
<th>AIR TEMPERATURE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
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### AIR CONDITIONING UNIT SCHEDULE

**BASED ON "MAMMOTH"**

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<tr>
<th>UNIT</th>
<th>AREA</th>
<th>LOCATION</th>
<th>FAN</th>
<th>CONDENSER</th>
<th>WATER TEMPERATURE</th>
<th>CAPACITY</th>
<th>WATER TEMPERATURE</th>
<th>AIR TEMPERATURE</th>
<th>AIR TEMPERATURE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>FAN TAG NO.</td>
<td>SCRENNCE</td>
<td>LOCATION</td>
<td>CFM</td>
<td>MOTOR HP</td>
<td>MOTOR RPM</td>
<td>STATIC PRESS</td>
<td>EMF</td>
<td>MODEL NO.</td>
<td>MANUFACTURER</td>
<td>WEIGHT (lbs)</td>
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<tr>
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<td>IT-01</td>
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<td>500</td>
<td>500</td>
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<td>130</td>
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<td>440/3/60</td>
<td>410</td>
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<td>440/3/60</td>
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<td>440/3/60</td>
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**BASE SCHEDULES #4**

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<th>Date</th>
<th>No.</th>
<th>Description</th>
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<td>100% DESIGN DEVELOPMENT</td>
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<td>09.30.2016</td>
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<td>12.19.2016</td>
<td>4</td>
<td>PROGRESS CDS APPROVED</td>
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</table>

Under Directive 2 of 1975

Roxane Tsirigotis, RA
04/25/2018
### SMOG-HOG KITCHEN EMISSION SYSTEM EQUIPMENT SCHEDULE

**BASED ON "SMOG-HOG"**

**Equipment Schedule**

<table>
<thead>
<tr>
<th>Tag No.</th>
<th>Location</th>
<th>Type</th>
<th>Fan Data</th>
<th>Cooling Coil</th>
<th>Condenser Water</th>
<th>Heating Mode</th>
<th>Model No.</th>
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</thead>
<tbody>
<tr>
<td>M40500</td>
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### MAKE-UP UNIT SCHEDULE

**BASED ON "ACCUREX"**

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<tr>
<th>Tag No.</th>
<th>Location</th>
<th>Area Served</th>
<th>Type</th>
<th>Fan</th>
<th>Outside Air</th>
<th>Heating Capacity</th>
<th>Press. Drop</th>
<th>Electrical</th>
<th>Overall Length/HW (D.H.)</th>
<th>Weight Lbs.</th>
<th>Remarks</th>
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<tr>
<td>M40501</td>
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<td>600</td>
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### VERTICAL HEAT PUMP UNIT SCHEDULE

**BASED ON "CLIMATEMASTER"**

<table>
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<th>Tag No.</th>
<th>Location</th>
<th>Service</th>
<th>Fan Data</th>
<th>Cooling Coil</th>
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<th>Heating Mode</th>
<th>Total Unit FLA</th>
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### HORIZONTAL HEAT PUMP UNIT SCHEDULE

**BASED ON "CLIMATEMASTER"**

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<td>MECHANICAL SCHEDULES #7</td>
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<td><strong>FAN POWERED BOX SCHEDULE</strong></td>
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<th>CO</th>
<th>CM</th>
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<th>RAIL</th>
<th>SIDE</th>
<th>TOP</th>
<th>BASE</th>
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*Note: Data in the table is for reference only.*

**M-407.00**
Project Number: 1568 Broadway

Sheet Title: 41ST FLOOR T.O.B. PLUMBING PLAN

Date: 07.15.2016 1 50% DESIGN DEVELOPMENT

Roxane Tsirigotis, RA
04/25/2018

APPROVED
Under Directive 2 of 1975
Date:
Roxane Tsirigotis, RA
04/25/2018

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NYC DOB Number: Sheet:

DOB APPROVAL STAMP

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Design 2147 Limited | Code Consultant
Iros Elevator, LLC | Elevator Consultant
Theatre Projects Consultants | Theater Consultant
Fisher Marantz Stone | Lighting Design
Jaffe Holden | Acoustic Consultant
Yabu Pushelberg | Interior Design
AAI Architects, P.C. | Interior Architect
Langan Engineering | Geotechnical Engineer
Jablonski Building Conservation | Conservation Consultant
Urban Foundation Engineering | Foundation Engineer
zeroLUX | Lighting Design
Mancini Duffy | Architect of Record
10" STORM UP & DN
10" GAS UP & DN
12" VENT UP & DN
6" SANITARY UP & DN
6" GRAVITY CW UP & DN (9" O.D.)
6" TANK FILL UP & DN (9" O.D.)
3" CW UP & DN (6" O.D.)
3" HW UP & DN (6" O.D.)
1 1/2" HWC UP & DN (4 1/2" O.D.)
1 1/2" HWC UP & DN (4 1/2" O.D.)
TWO HOUSE TANKS
DOMESTIC WATER = 12,000 GAL
FIRE RESERVE = 11,250 GAL
TOTAL (EACH TANK) = 23,250 GAL

6" CAPPED OUTLET
FOR FIRE
PROTECTION

6" CAPPED OUTLET
FOR FIRE
PROTECTION

TANK FILL LINE PD
GRAVITY FEED FROM
DOMESTIC STORAGE TANK
LINE GF

Project Number:  
Drawn By:  
Checked By:  
Scale:  
Sheet Number:  
Signature & Seal:  

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PLUMBING GAS AND STORM RISER DIAGRAM

Design

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Date:
Roxane Tsirigotis, RA
04/25/2018

APPROVED
Under Directive 2 of 1975

P-302.00
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Roxane Tsirigotis, RA
04/25/2018

Under Directive 2 of 1975

DATE: APRIL 25, 2018

APPROVED

P-303.00

PLUMBING SANITARY RISER DIAGRAM
### PLUMBING SCHEDULES

<table>
<thead>
<tr>
<th>PUMP</th>
<th>AMOUNT</th>
<th>Description</th>
<th>Model</th>
<th>Horsepower</th>
<th>Voltage</th>
<th>Flow</th>
<th>Lift</th>
<th>Location</th>
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### PLUMBING SCHEDULE

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### Notes:
- All pipes used for domestic water shall comply with the lead-free requirements.
- All fixtures and equipment shall comply with the American National Standards Institute (ANSI) requirements.
- The plans shall comply with the jurisdictional codes, including the New York City Department of Buildings (DOB) approval.

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Alterations or additions to this engineering document by an unlicensed person is a violation of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.