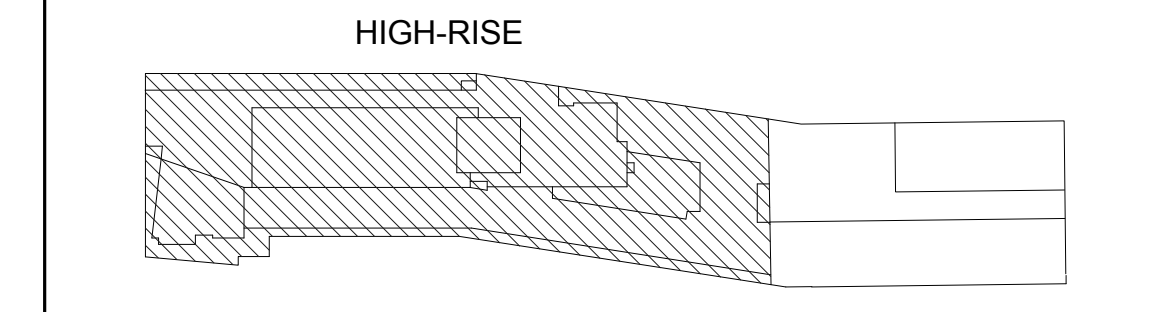


* THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
 No. REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
 QUEENS, NY 11435

Owner:
 CJ PLAZA ONE LLC
 767 Third Avenue, 33rd Floor
 New York, NY 10017 212.488.1750

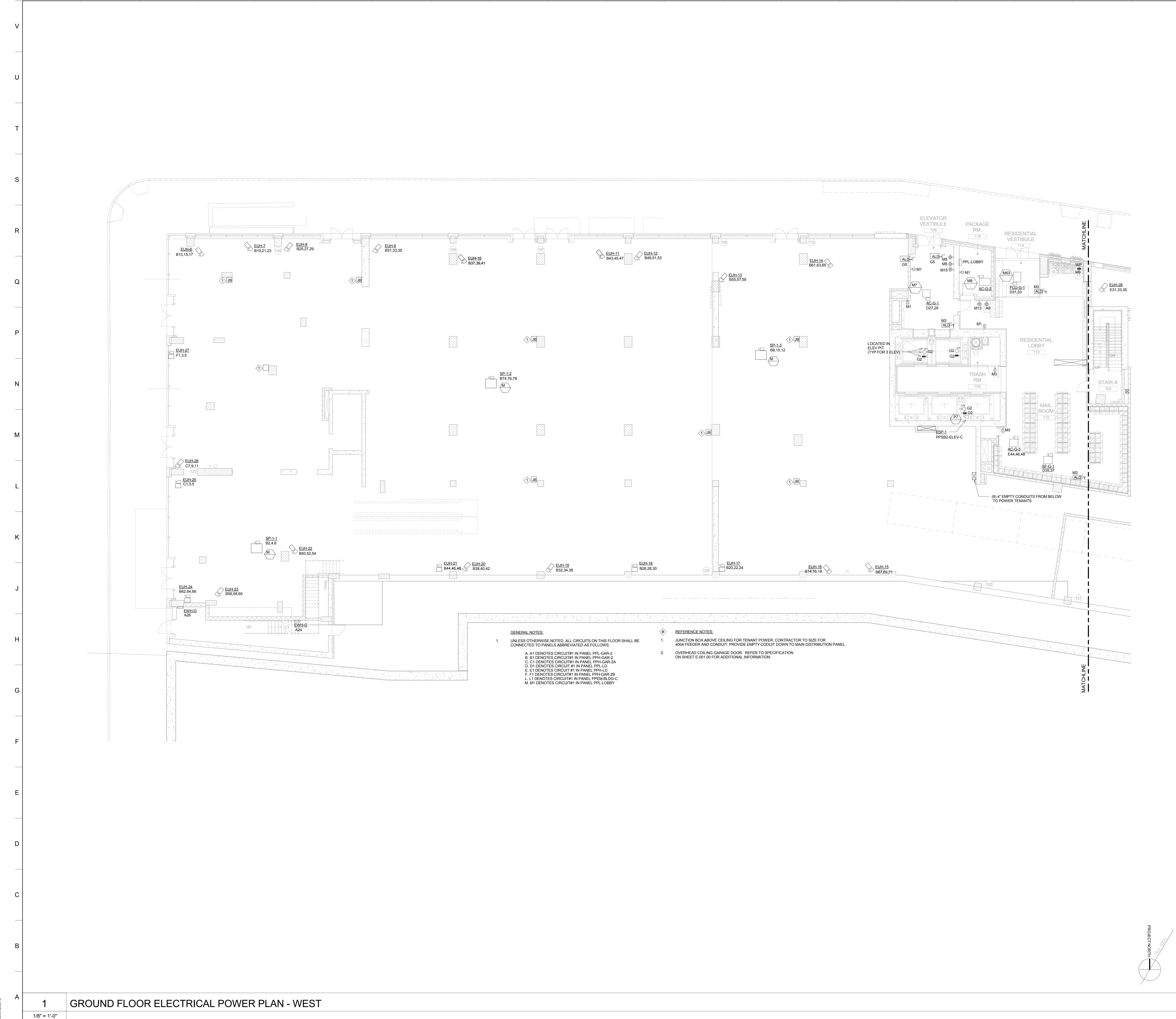
FX FOWLE

FX FOWLE ARCHITECTS, LLP | 120 WEST 57TH STREET | NEW YORK, NY 10019 | 212.488.1750 | 212.488.1756 | WWW.FXFWLE.COM

<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, Hasbrouck, NJ 08830 908.272.3300</p> <p>Co-Ordination Peer Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Suite 100, NJ 07001 908.273.1520</p>	<p>Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant: VAN DUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0690</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300</p>
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DRAWING TITLE:
GROUND FLOOR ELECTRICAL POWER PLAN - WEST

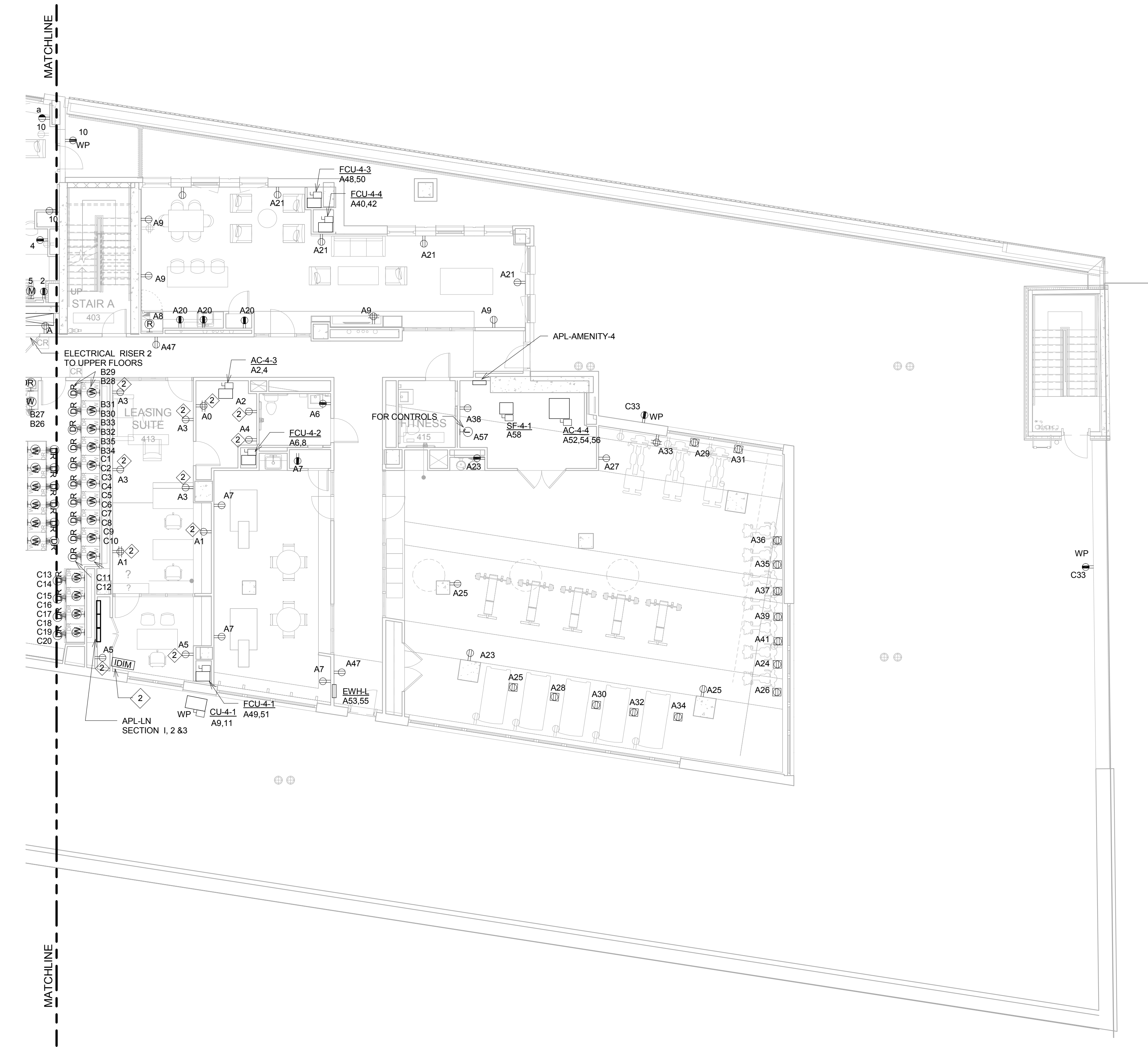
<p>Scale: 1/8" = 1'-0"</p>	<p>Drawn: LM</p> <p>Checked: MB</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Cad File: BRP-Jamaica_HighRise_MEP</p> <p>Drawing No.: E-202.00</p> <p>Sheet 4 of 46</p>
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- GENERAL NOTES:**
- UNLESS OTHERWISE NOTED, ALL CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATED AS FOLLOWS:
 A A1 DENOTES CIRCUIT#1 IN PANEL PPH-GAR-2
 B B1 DENOTES CIRCUIT#1 IN PANEL PPH-GAR-2
 C C1 DENOTES CIRCUIT#1 IN PANEL PPH-GAR-2A
 D D1 DENOTES CIRCUIT#1 IN PANEL PPH-LD
 E E1 DENOTES CIRCUIT#1 IN PANEL PPH-LD
 F F1 DENOTES CIRCUIT#1 IN PANEL PPH-GAR-2B
 L L1 DENOTES CIRCUIT#1 IN PANEL PPH-BLDG-C
 M M1 DENOTES CIRCUIT#1 IN PANEL PPH-LLOBBY
- REFERENCE NOTES:**
- JUNCTION BOX ABOVE CEILING FOR TENANT POWER, CONTRACTOR TO SIZE FOR 400A FEEDER AND CONDUIT. PROVIDE EMPTY CONDUIT DOWN TO MAIN DISTRIBUTION PANEL.
 - OVERHEAD COILING GARAGE DOOR. REFER TO SPECIFICATION ON SHEET E-001.00 FOR ADDITIONAL INFORMATION.

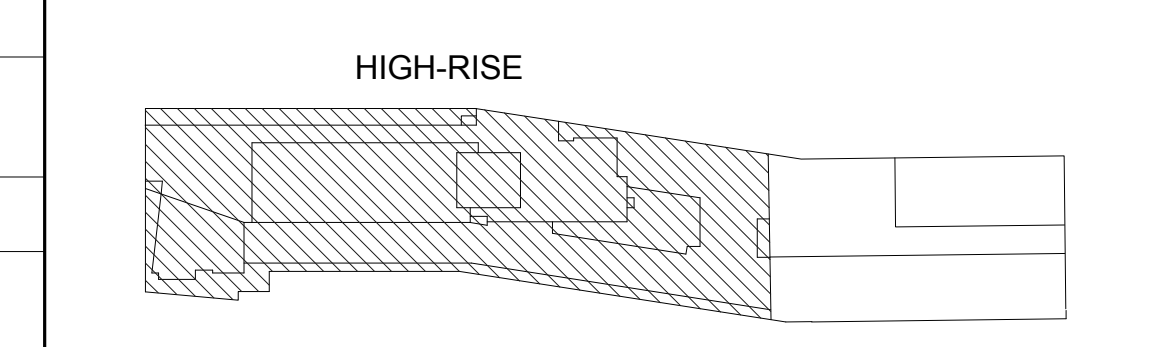
1 GROUND FLOOR ELECTRICAL POWER PLAN - WEST
 1/8" = 1'-0"

* 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.



ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS / SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

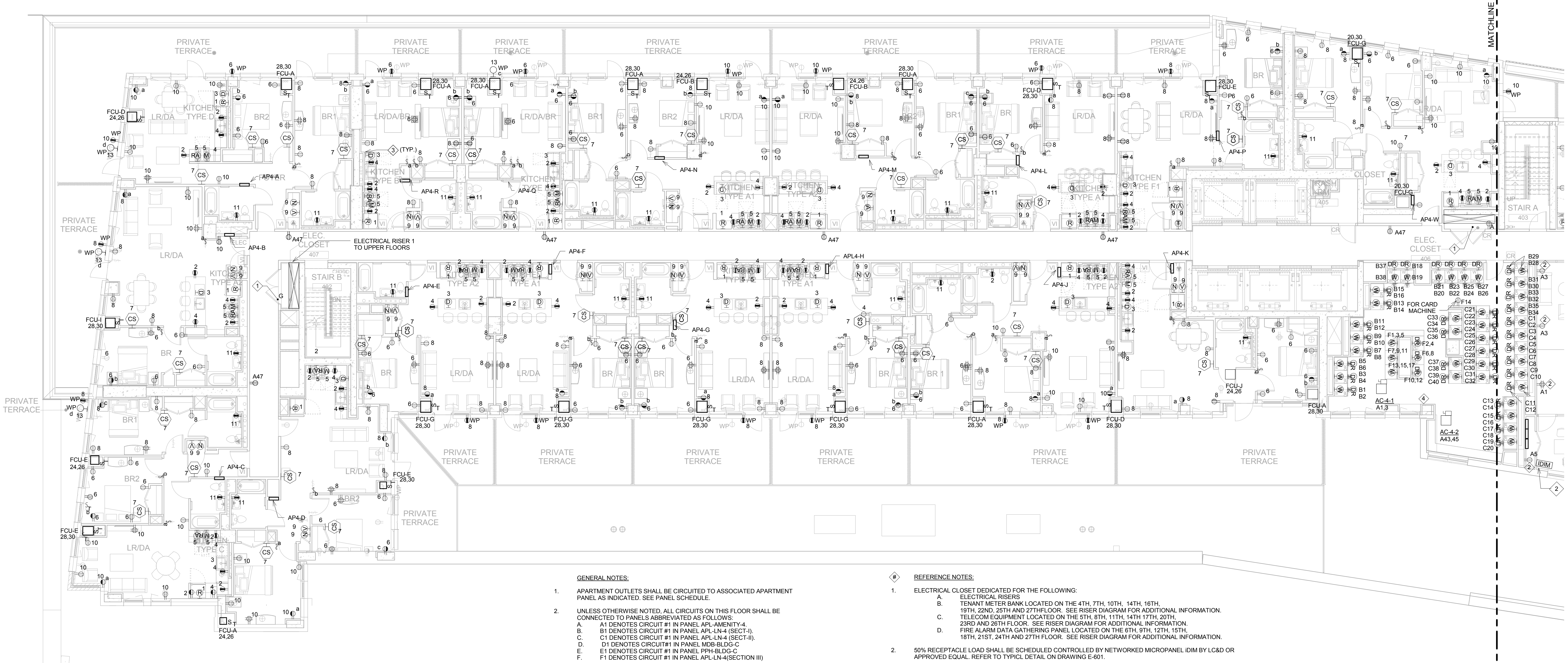
FX FOWLE

FX FOWLE ARCHITECTS, LLP 122 WEST 10TH STREET NEW YORK, NY 10011 212 677 1717 P 212 483 6716 | WWW.FXFOWLE.COM
 Architect: WSP 226 East 45th Street, New York, NY 10017 212.687.8888
 Architect, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, Teaneck, NJ 07650 908.272.3300
 Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.514.6600
 Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 310, East Hanover, NJ 07936 973.994.9220
 Commissioned Firm Engineer: ENERGY CONCEPTS ARCHITECTURE P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9544
 Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0690
 Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Secaucus, NJ 07094 908.273.1520
 Mechanical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.339.9330

DRAWING TITLE:
4TH FLOOR ELECTRICAL POWER PLAN

Scale: 1/8" = 1'-0"
 Drawn: LM
 Checked: MF
 Reviewed: IB
 Date: 08/15/16
 Project No.: 14015.L00
 Cad File: BRP/Jamaica_HighRise_MEP
 Drawing No.:
 Sheet No. of 46
 E-206.00

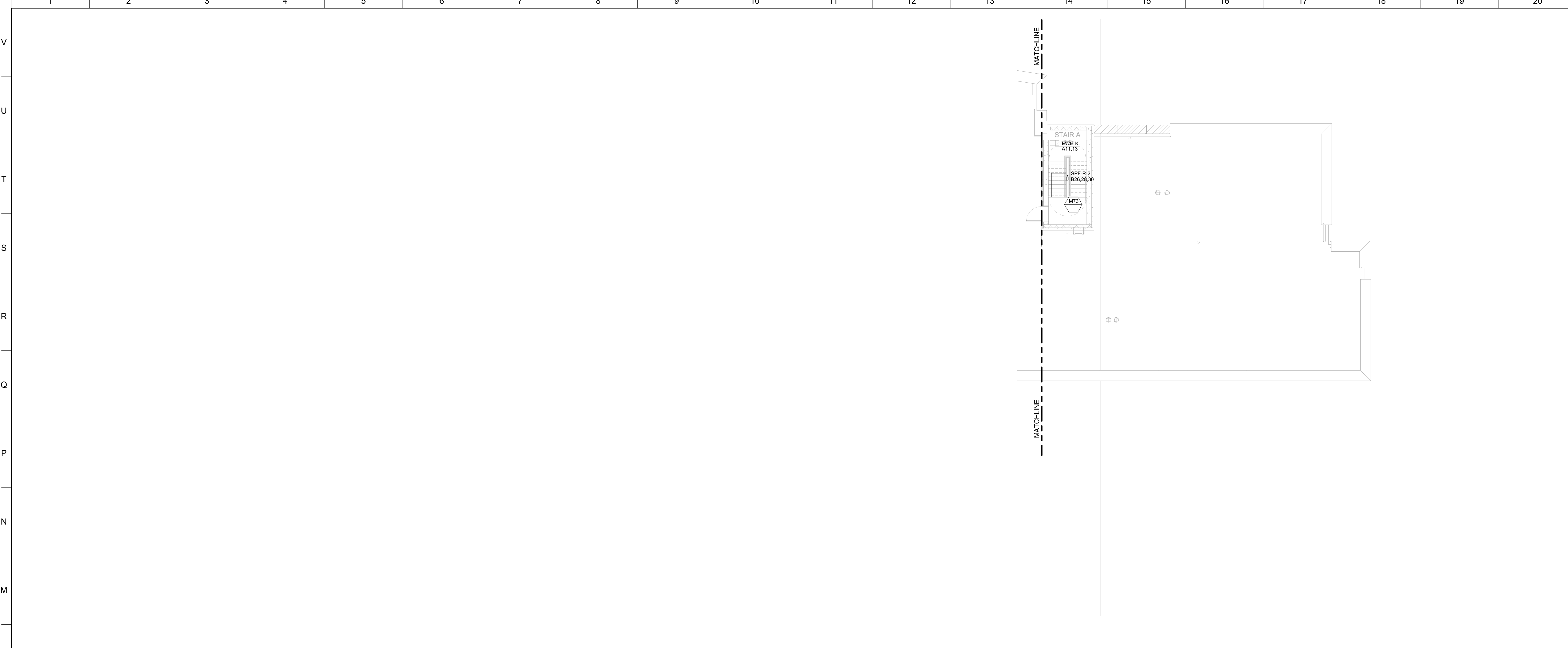
2 4TH FLOOR ELECTRICAL POWER PLAN - EAST
1/8" = 1'-0"



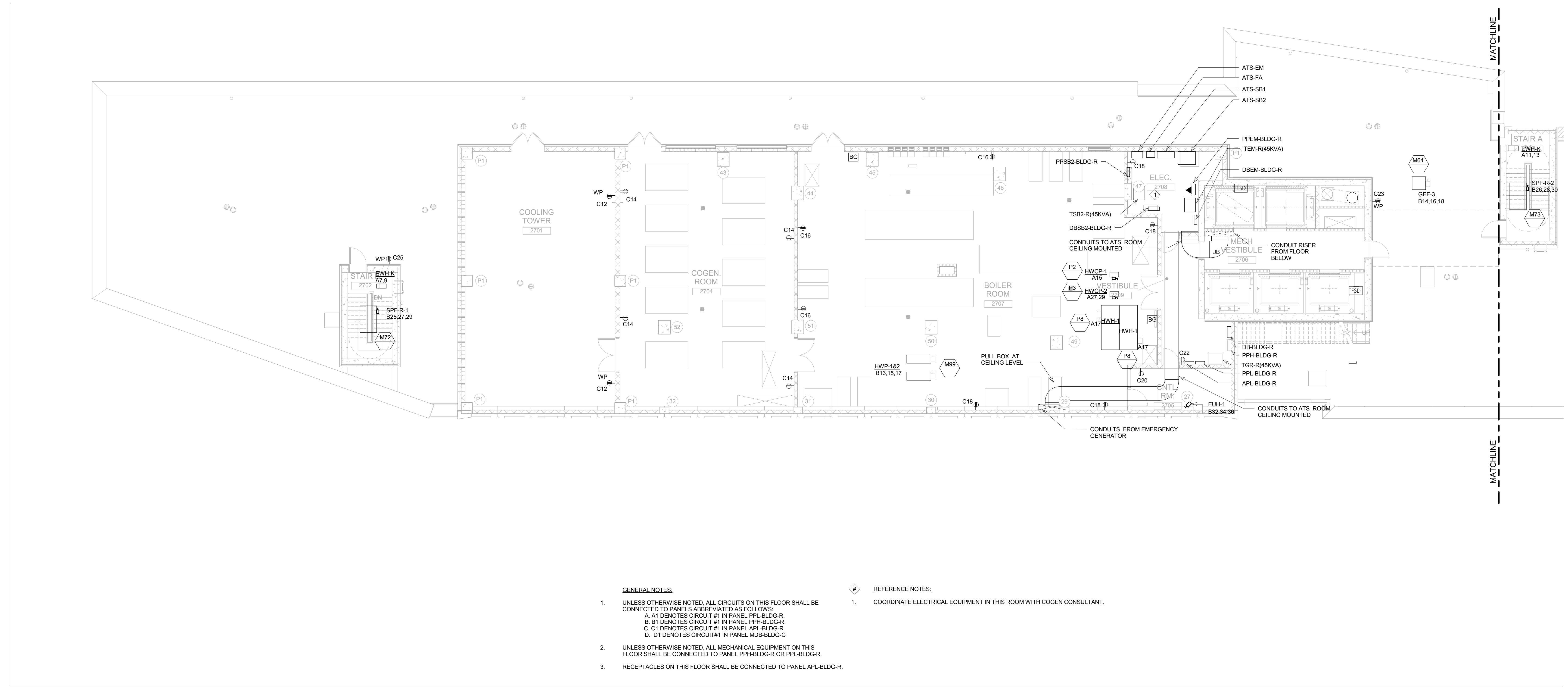
- GENERAL NOTES:
- APARTMENT OUTLETS SHALL BE CIRCUITED TO ASSOCIATED APARTMENT PANEL AS INDICATED. SEE PANEL SCHEDULE.
 - UNLESS OTHERWISE NOTED, ALL CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATED AS FOLLOWS:
 A. A1 DENOTES CIRCUIT #1 IN PANEL APL-AMENITY-4.
 B. B1 DENOTES CIRCUIT #1 IN PANEL APL-LN-4 (SECT. I).
 C. C1 DENOTES CIRCUIT #1 IN PANEL APL-LN-4 (SECT. II).
 D. D1 DENOTES CIRCUIT #1 IN PANEL MOB-BLDG-C.
 E. E1 DENOTES CIRCUIT #1 IN PANEL PPH-BLDG-C.
 F. F1 DENOTES CIRCUIT #1 IN PANEL APL-LN-4 (SECT. III).

- REFERENCE NOTES:
- ELECTRICAL CLOSET DEDICATED FOR THE FOLLOWING:
 A. ELECTRICAL RISERS
 B. TENANT METER BANK LOCATED ON THE 4TH, 7TH, 10TH, 14TH, 16TH, 19TH, 22ND, 25TH AND 27TH FLOOR. SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 C. TELECOM EQUIPMENT LOCATED ON THE 6TH, 8TH, 11TH, 14TH, 17TH, 20TH, 23RD AND 26TH FLOOR. SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 D. FIRE ALARM DATA GATHERING PANEL LOCATED ON THE 6TH, 9TH, 12TH, 15TH, 18TH, 21ST, 24TH AND 27TH FLOOR. SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - 50% RECEPTACLE LOAD SHALL BE SCHEDULED CONTROLLED BY NETWORKED MICROPANEL IDIM BY L/CAD OR APPROVED EQUAL. REFER TO TYPICAL DETAIL ON DRAWING E-601.
 - RECEPTACLES IN THE PLAY ROOM WILL BE TAMPER PROOF.
 - PROVIDE (2) 20A-1P CIRCUITS TO POWER (2) ALDS IN THE LAUNDRY ROOM.
 - FOR EVERY APARTMENT KITCHEN PROVIDE (1) ADDITIONAL, ABOVE TO COUNTER TO BE ACCESSIBLE AS REQUIRED BY FAIR HOUSING ACT. OUTLET SHALL BE CIRCUITED TO A GFI PROTECTED CIRCUIT.

1 4TH FLOOR ELECTRICAL POWER PLAN - WEST
1/8" = 1'-0"



2 29TH FLOOR (MECHANICAL) ELECTRICAL POWER PLAN - EAST
1/8" = 1'-0"



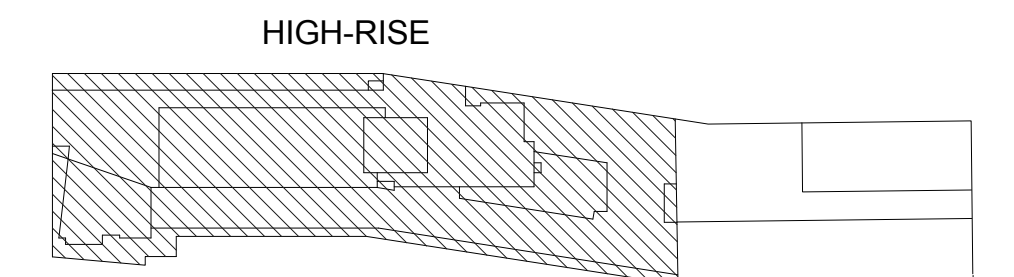
1 29TH FLOOR (MECHANICAL) ELECTRICAL POWER PLAN - WEST
1/8" = 1'-0"

- GENERAL NOTES:**
- UNLESS OTHERWISE NOTED, ALL CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATED AS FOLLOWS:
A AT DENOTES CIRCUIT #1 IN PANEL PPL-BLDG-R
B B1 DENOTES CIRCUIT #1 IN PANEL PPH-BLDG-R
C C1 DENOTES CIRCUIT #1 IN PANEL APL-BLDG-R
D D1 DENOTES CIRCUIT #1 IN PANEL MEB-BLDG-C
 - UNLESS OTHERWISE NOTED, ALL MECHANICAL EQUIPMENT ON THIS FLOOR SHALL BE CONNECTED TO PANEL PPH-BLDG-R OR PPL-BLDG-R
 - RECEPTACLES ON THIS FLOOR SHALL BE CONNECTED TO PANEL APL-BLDG-R
- REFERENCE NOTES:**
- COORDINATE ELECTRICAL EQUIPMENT IN THIS ROOM WITH COGEN CONSULTANT.

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID	08.15.2016
REVISIONS / SUBMISSIONS	DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP | 122 WEST 85TH STREET | NEW YORK, NY 10024 | 212.637.1700 | 212.483.8716 | WWW.FXFWLE.COM

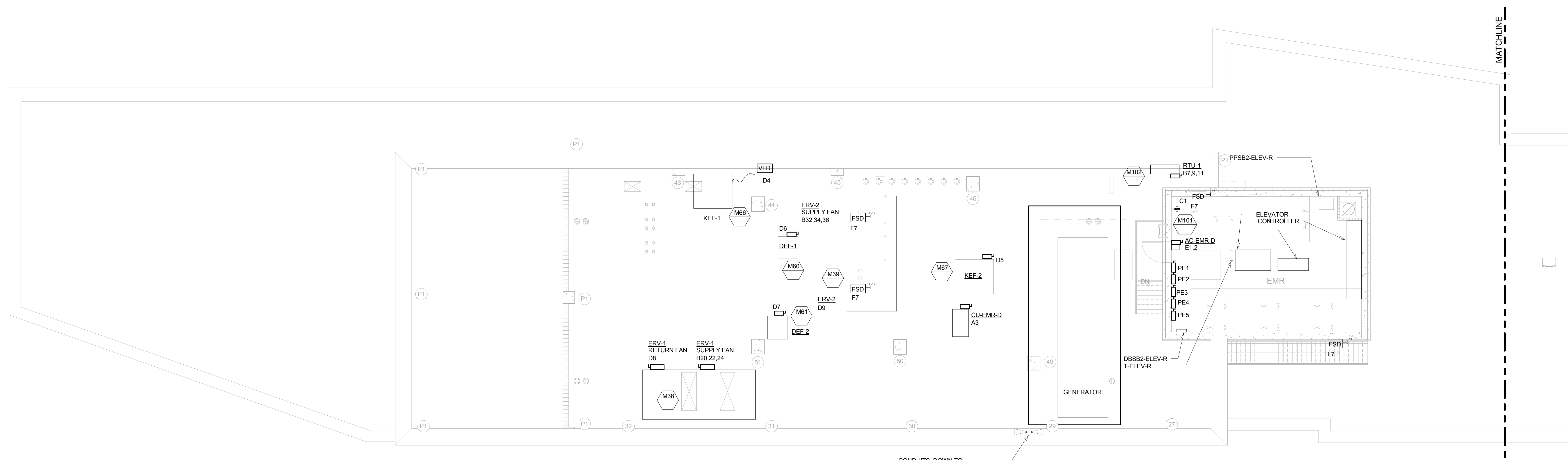
Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 485C Route 1 South, Suite 200, East Hanover, NJ 08830 908.272.3300	Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220
Co-ordinator Fire Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300

DRAWING TITLE:
29TH FLOOR (MECHANICAL) ELECTRICAL POWER PLAN

Drawn: LM	Project No.: 14015.L00
Checked: MF	Client File: SRP/Jamaica_HighRise_MEP
Reviewed: IB	Drawing No.:
Date: 08/15/16	
Scale: 1/8" = 1'-0"	
	Sheet 14 of 46

E-212.00

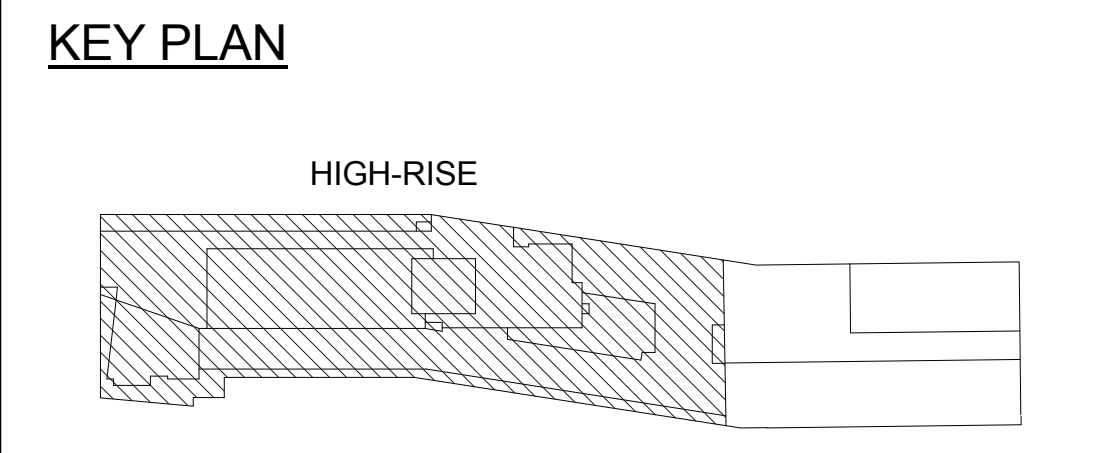
2 30TH FLOOR (MECH. MEZZANINE AND EMR) ELECTRICAL POWER PLAN - EAST



- GENERAL NOTES:**
- UNLESS OTHERWISE NOTED, ALL CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATED AS FOLLOWS:
 A: A1 DENOTES CIRCUIT #1 IN PANEL DBSS2-ELEV-R
 B: B1 DENOTES CIRCUIT #1 IN PANEL PPH-BLDG-R
 C: C1 DENOTES CIRCUIT #1 IN PANEL PPSB2-BLDG-R
 D: D1 DENOTES CIRCUIT #1 IN PANEL D6SB2-BLDG-R
 E: E1 DENOTES CIRCUIT #1 IN PANEL PPSB2-ELEV-R
 F: F1 DENOTES CIRCUIT #1 IN PANEL PPH-BLDG-R
- REFERENCE NOTES:**
- REFER TO TYPICAL ELEVATOR MACHINE ROOM DETAIL ON E-602 FOR ELECTRICAL REQUIREMENTS.

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE

FX FOWLE ARCHITECTS, LLP | 122 WEST 87TH STREET | NEW YORK, NY 10011 | 212.621.1700 | F 212.483.8716 | WWW.FXFWLE.COM

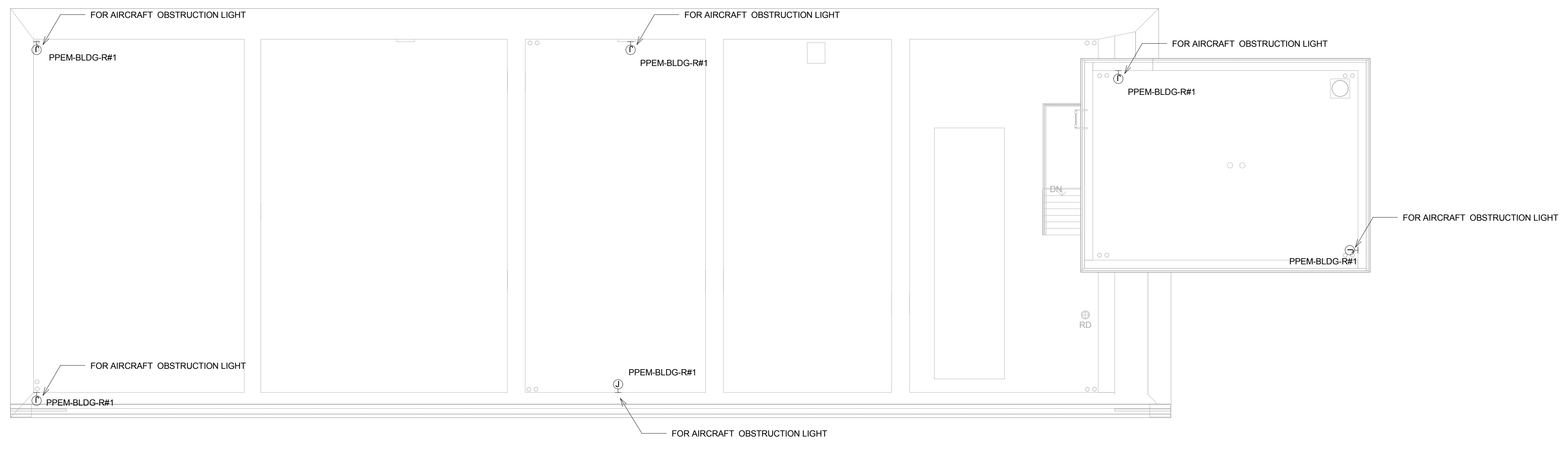
Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300	Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220
Co-Ordination Point Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0050
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	Electrical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9330

DRAWING TITLE:
30TH FLOOR (MECH. MEZZANINE & EMR) ELECTRICAL POWER PLAN

Seal:	Drawn: LM	Project No.: 14015.L00
	Checked: MF	Cad File: BSP/Jamaica_HighRise_MEP
	Reviewed: IB	Drawing No.:
	Date: 08/15/16	
	Scale: 1/8" = 1'-0"	
		Sheet 15 of 46

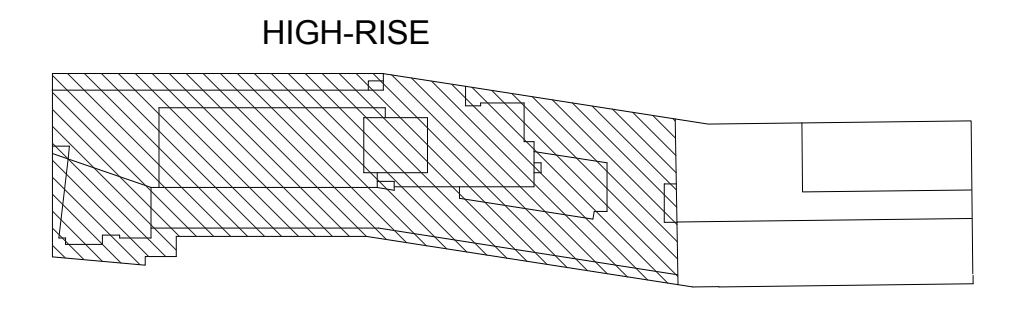
E-213.00

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID	08.15.2016
No. REVISIONS / SUBMISSIONS	DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

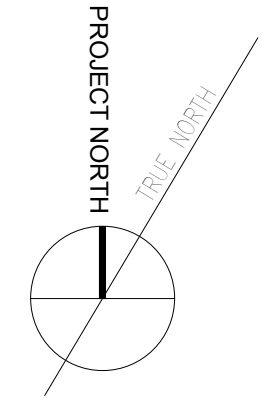
FX FOWLE

FX FOWLE ARCHITECTS, LLP | 122 WEST 57TH STREET | NEW YORK, NY 10019 | 212.637.1700 | 212.483.8716 | WWW.FX FOWLE.COM

<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 485C Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Co-ordinator / Fire Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Rd, Summit, NJ 07901 908.273.1520</p>	<p>Architect's Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.315.6600</p> <p>Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300</p>
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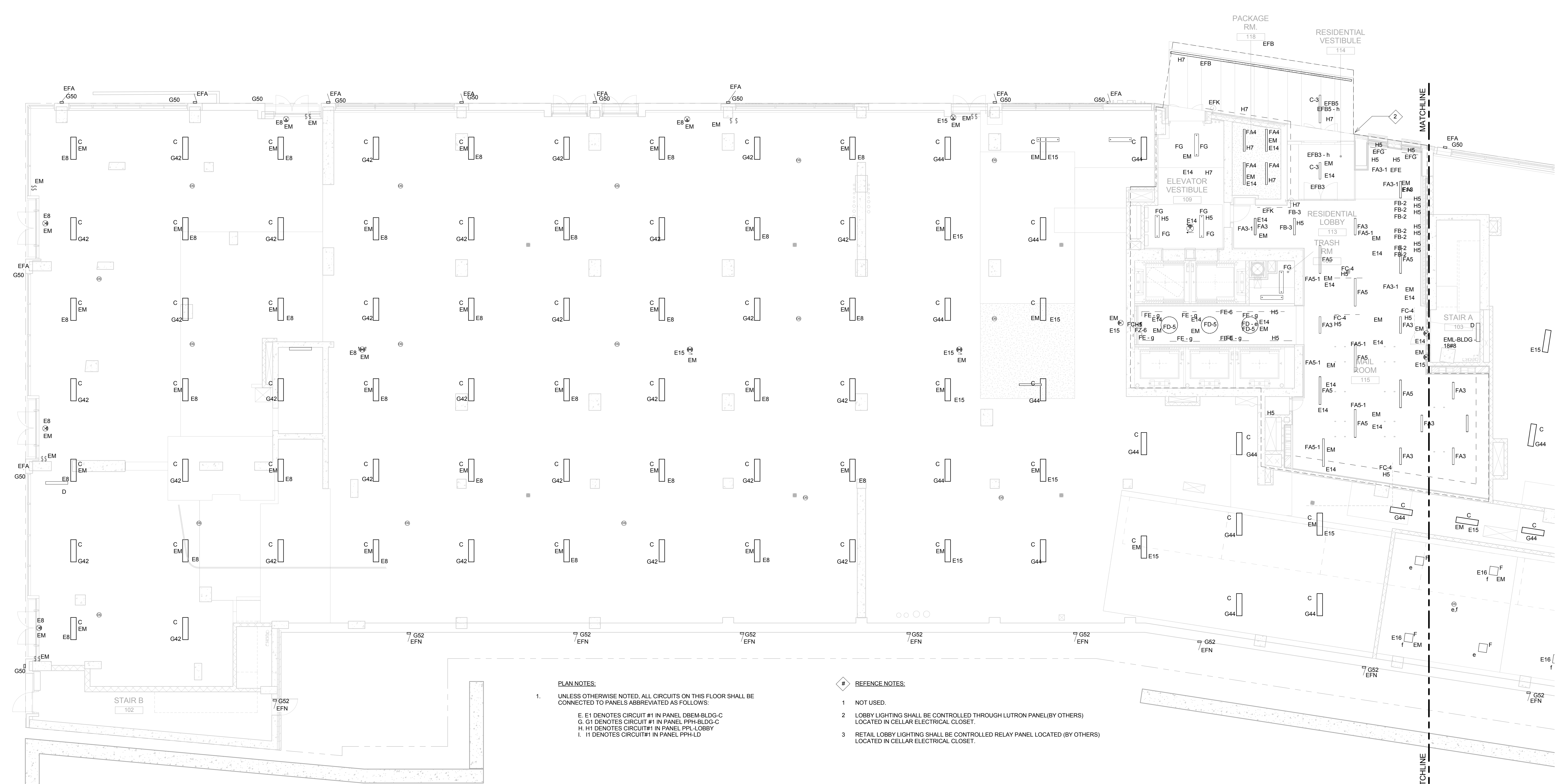
DRAWING TITLE:
ROOF ELECTRICAL POWER PLAN

<p>Drawn: LM</p> <p>Checked: MB</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Cad File: SRRJamaica_HighRise_MEP</p> <p>Drawing No.:</p>	<p>E-214.00</p> <p>Sheet 16 of 46</p>
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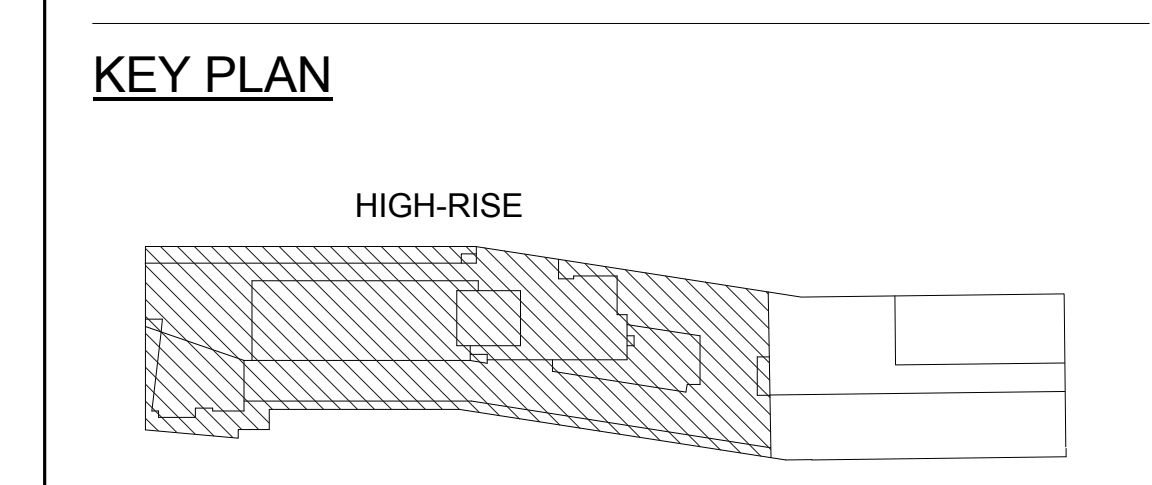
1 ROOF ELECTRICAL POWER PLAN

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- PLAN NOTES:**
- UNLESS OTHERWISE NOTED, ALL CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATED AS FOLLOWS:
 E: E1 DENOTES CIRCUIT #1 IN PANEL DBEM-BLDG-C
 G: G1 DENOTES CIRCUIT #1 IN PANEL PPH-BLDG-C
 H: H1 DENOTES CIRCUIT #1 IN PANEL PPH-LOBBY
 I: I1 DENOTES CIRCUIT #1 IN PANEL PPH-LD
- REFERENCE NOTES:**
- NOT USED.
 - LOBBY LIGHTING SHALL BE CONTROLLED THROUGH LUTRON PANEL (BY OTHERS) LOCATED IN CELLAR ELECTRICAL CLOSET.
 - RETAIL LOBBY LIGHTING SHALL BE CONTROLLED RELAY PANEL (BY OTHERS) LOCATED IN CELLAR ELECTRICAL CLOSET.

ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
 REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
 QUEENS, NY 11435

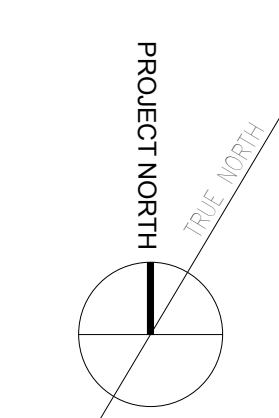
Owner:
CJ PLAZA ONE LLC
 767 Third Avenue, 33rd Floor
 New York, NY 10017 212.488.1750

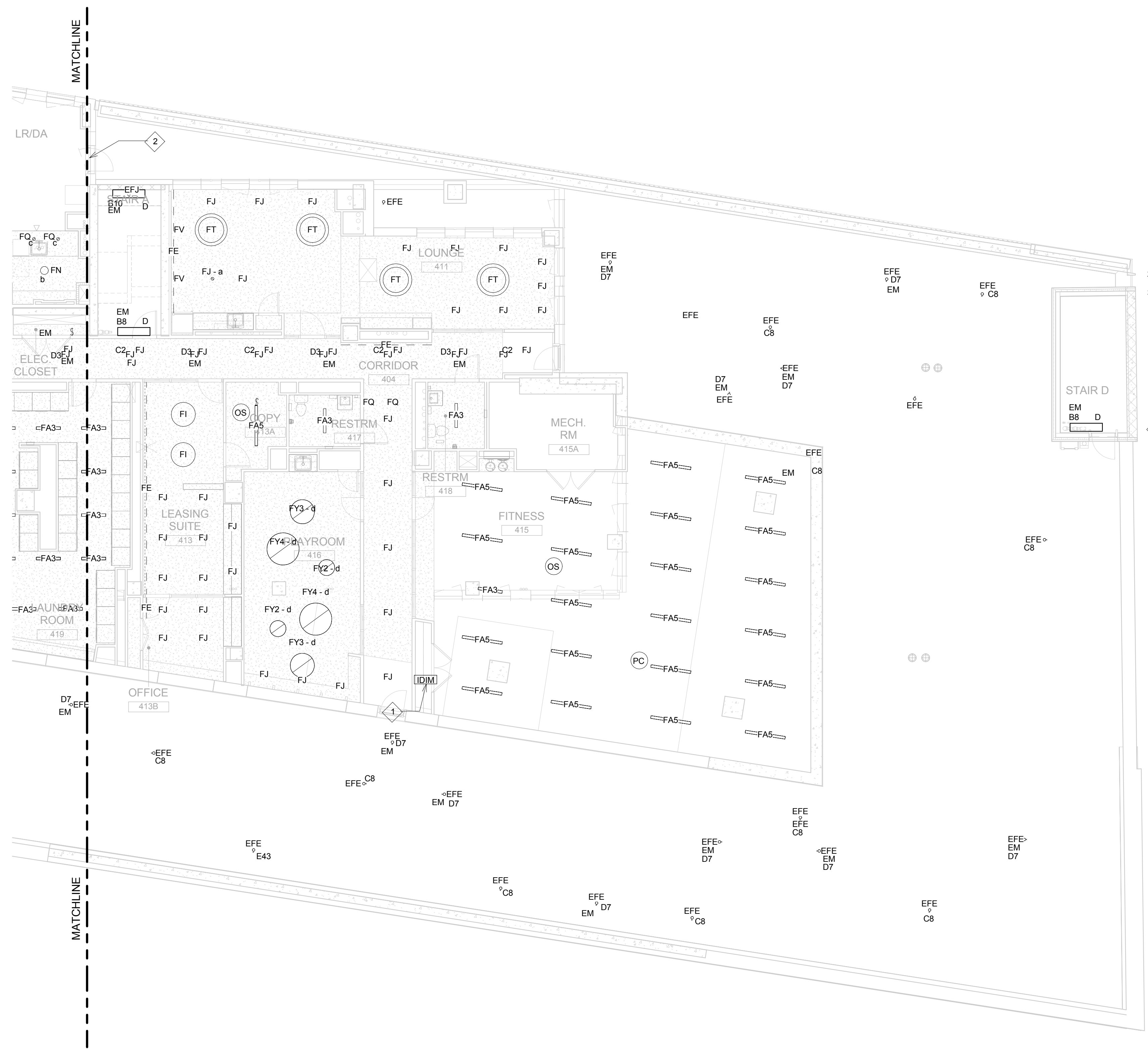
FX FOWLE
 FOWLE ARCHITECTS, LLP | 120 WEST 59TH STREET | NEW YORK, NY 10011 | 212.637.1700 | 212.488.8716 | WWW.FXFWOLE.COM

<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Civil/Construction Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520</p>	<p>Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300</p>
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DRAWING TITLE:
GROUND FLOOR ELECTRICAL LIGHTING PLAN - WEST

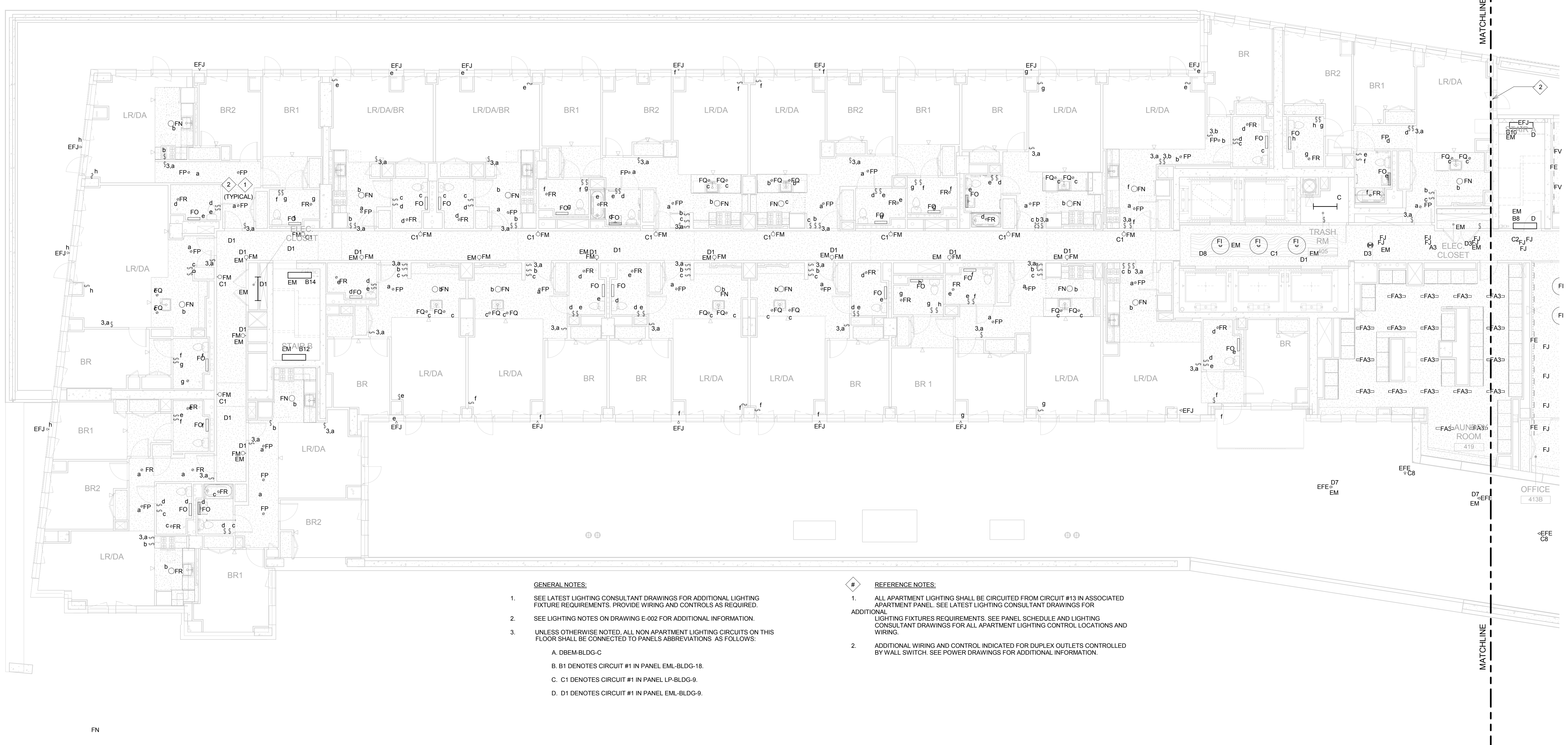
<p>Drawn: LM</p> <p>Checked: MF</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Grid File: BSP/Jamaica_HighRise_MEP</p> <p>Drawing No.: E-302.00</p> <p>Sheet 18 of 46</p>
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- GENERAL NOTES:**
- SEE LATEST LIGHTING CONSULTANT DRAWINGS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS. PROVIDE WIRING AND CONTROLS AS REQUIRED.
 - SEE LIGHTING NOTES ON DRAWING E-002 FOR ADDITIONAL INFORMATION.
 - UNLESS OTHERWISE NOTED, ALL NON APARTMENT LIGHTING CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATIONS AS FOLLOWS:
 - A. A1 DENOTES CIRCUIT #1 IN PANEL DBEM-BLDG-C
 - B. B1 DENOTES CIRCUIT #1 IN PANEL EML-BLDG-18
 - C. C1 DENOTES CIRCUIT #1 IN PANEL LP-BLDG-9
 - D. D1 DENOTES CIRCUIT #1 IN PANEL EML-BLDG-9
 - E. E1 DENOTES CIRCUIT #1 IN PANEL AFL-APMENTY
- REFERENCE NOTES:**
- FITNESS CENTER LIGHTING SHALL BE CONTROLLED BY NON NETWORKED MICROPANEL, IDM BY LCD OR APPROVED EQUAL. REFER TO TYPICAL DETAIL IN DRAWING E-001.
 - LOUNGE LIGHTING SHALL BE CONTROLLED THROUGH LUTRON PANEL BY OTHERS. REFER TO DRAWING E-080.

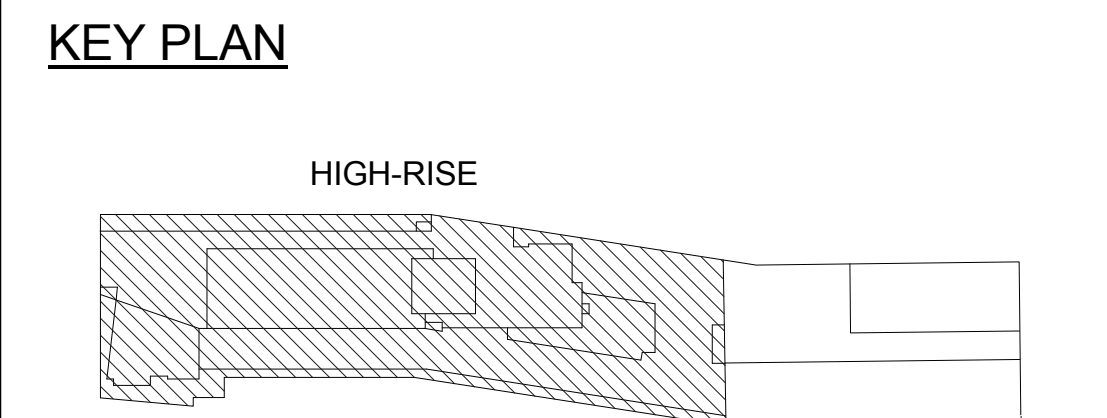
2 4TH FLOOR ELECTRICAL LIGHTING PLAN - EAST
1/8" = 1'-0"



- GENERAL NOTES:**
- SEE LATEST LIGHTING CONSULTANT DRAWINGS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS. PROVIDE WIRING AND CONTROLS AS REQUIRED.
 - SEE LIGHTING NOTES ON DRAWING E-002 FOR ADDITIONAL INFORMATION.
 - UNLESS OTHERWISE NOTED, ALL NON APARTMENT LIGHTING CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATIONS AS FOLLOWS:
 - A. DBEM-BLDG-C
 - B. B1 DENOTES CIRCUIT #1 IN PANEL EML-BLDG-18
 - C. C1 DENOTES CIRCUIT #1 IN PANEL LP-BLDG-9
 - D. D1 DENOTES CIRCUIT #1 IN PANEL EML-BLDG-9
- REFERENCE NOTES:**
- ALL APARTMENT LIGHTING SHALL BE CIRCUITED FROM CIRCUIT #13 IN ASSOCIATED APARTMENT PANEL. SEE LATEST LIGHTING CONSULTANT DRAWINGS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS. SEE PANEL SCHEDULE AND LIGHTING CONSULTANT DRAWINGS FOR ALL APARTMENT LIGHTING CONTROL LOCATIONS AND WIRING.
 - ADDITIONAL WIRING AND CONTROL INDICATED FOR DUPLEX OUTLETS CONTROLLED BY WALL SWITCH. SEE POWER DRAWINGS FOR ADDITIONAL INFORMATION.

1 4TH FLOOR ELECTRICAL LIGHTING PLAN - WEST
1/8" = 1'-0"

ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS / SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

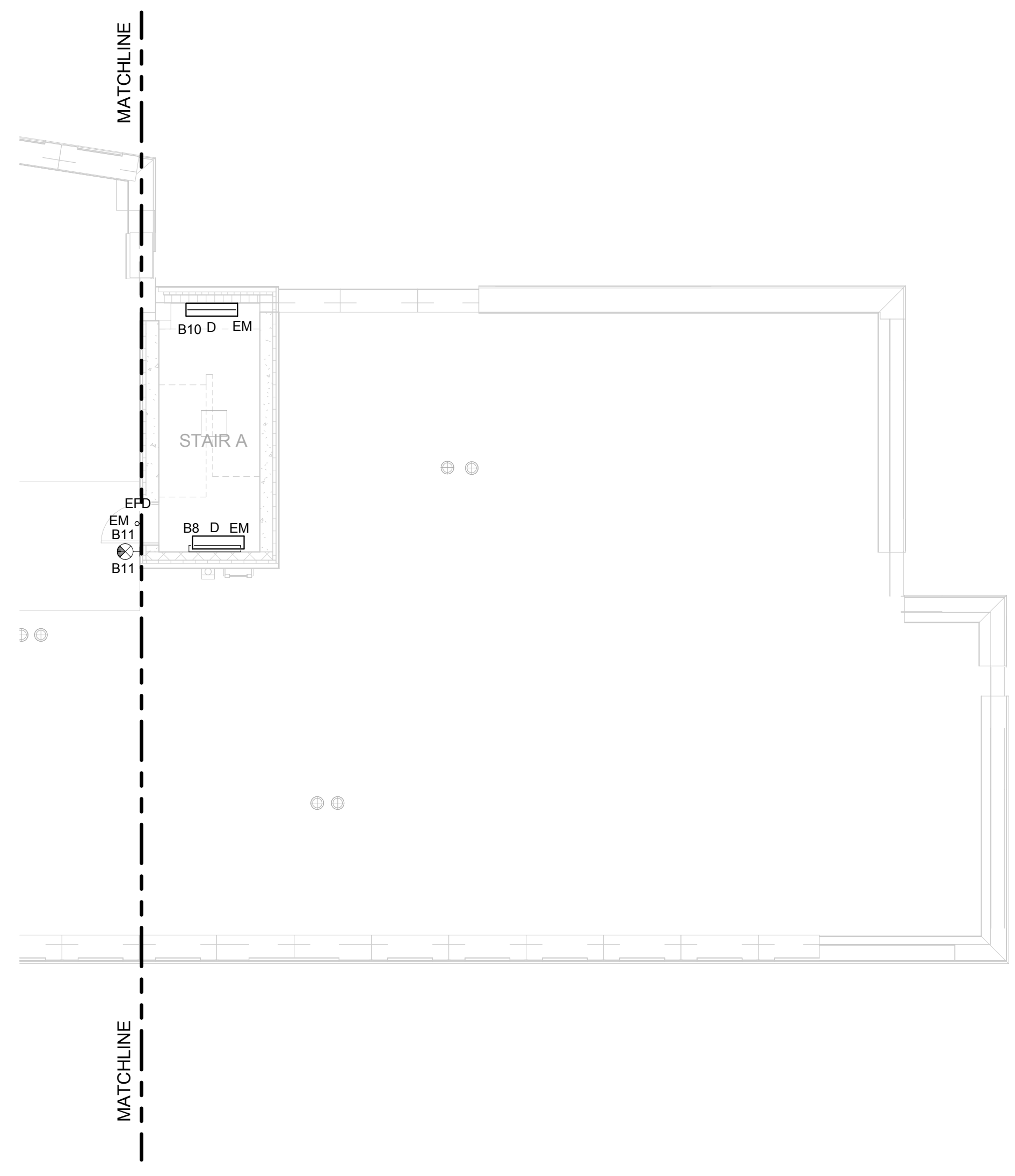
FX FOWLE
FX FOWLE ARCHITECTS, LLP 122 WEST 58TH STREET, NEW YORK, NY 10019-0102 TEL: 212.488.8776 | WWW.FXFWLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.537.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, Teaneck, NJ 07659 973.994.9220	Vertical Transportation Consultant: VAN LUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220
Construction PM / Fire Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Rd, Summit, NJ 07901 908.273.1520	General Contractor: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9330

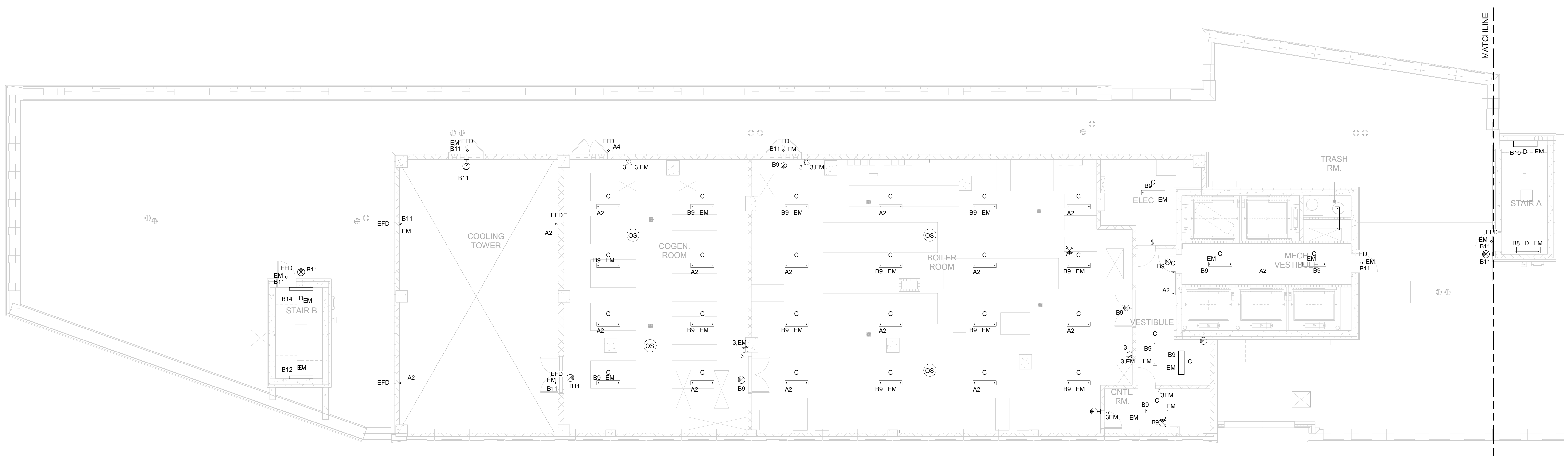
DRAWING TITLE:
4TH FLOOR ELECTRICAL LIGHTING PLAN

Drawn: LM	Project No.: 14015.L00
Checked: MF	Client File: BRP/Jamaica_HighRise_MEP
Reviewed: IB	Drawing No.:
Date: 08/15/16	
Scale: 1/8" = 1'-0"	Sheet 22 of 46

E-306.00



2 29TH FLOOR (MECHANICAL) ELECTRICAL LIGHTING PLAN - EAST
1/8" = 1'-0"



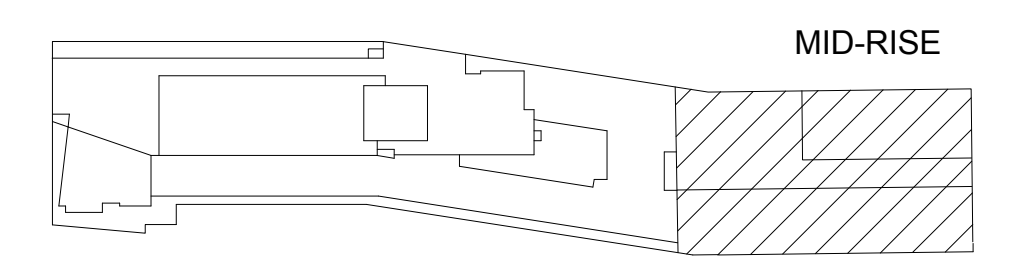
- GENERAL NOTES:**
- SEE LATEST LIGHTING CONSULTANT DRAWINGS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS. PROVIDE WIRING AND CONTROLS AS REQUIRED.
 - SEE LIGHTING NOTES ON DRAWING E-002 FOR ADDITIONAL INFORMATION.
 - UNLESS OTHERWISE NOTED, LIGHTING CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATIONS AS FOLLOWS:
A. A1 DENOTES CIRCUIT #1 IN PANEL LP-BLDG-18.
B. B1 DENOTES CIRCUIT #1 IN PANEL EML-BLDG-19

1 29TH FLOOR (MECHANICAL) ELECTRICAL LIGHTING PLAN - WEST
1/8" = 1'-0"

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS | SUBMISSIONS | DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017.212.488.1750

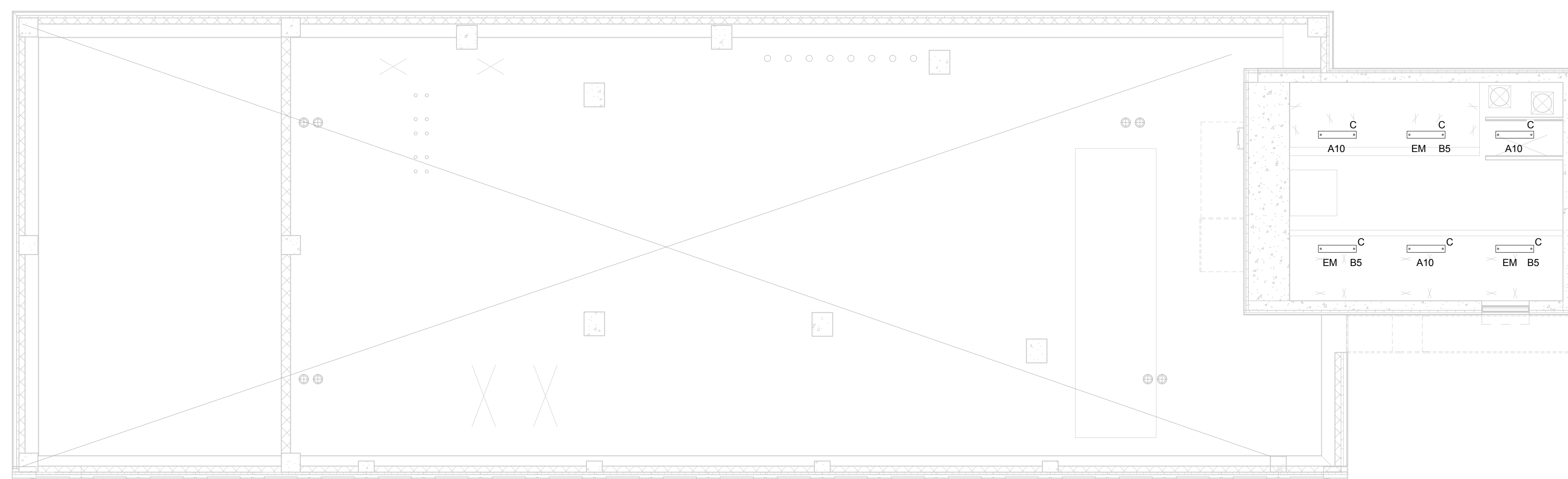
FX FOWLE
FX FOWLE ARCHITECTS, LLP | 122 WEST 87TH STREET | NEW YORK, NY 10011 | 212.637.1700 | 212.483.8716 | WWW.FXFWOLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.537.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520 908.272.3300	Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220
Co-ordinator For Engineer: ENERGY CONCEPTS ARCHITECTURE P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6600
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Rd, Summit, NJ 07901 908.273.1520	Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300

DRAWING TITLE:
29TH FLOOR (MECHANICAL) ELECTRICAL LIGHTING PLAN

Drawn: LM	Project No.: 14015.L00
Checked: MB	Client File: BSP/Jamaica_HighRise_MEP
Reviewed: IB	Drawing No.:
Date: 08/15/16	Scale: 1/8" = 1'-0"
Sheet 28 of 46	E-312.00

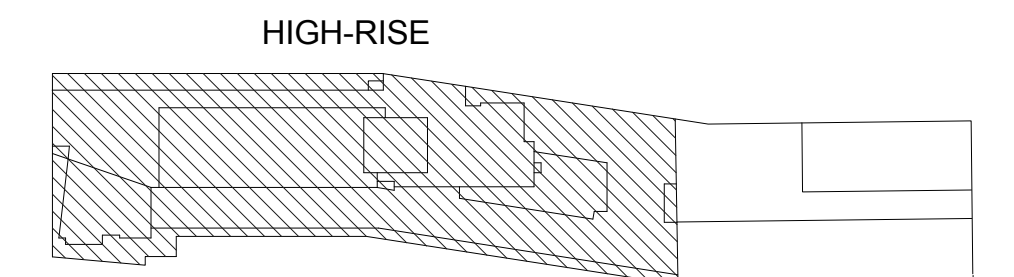
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- GENERAL NOTES:**
- SEE LATEST LIGHTING CONSULTANT DRAWINGS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS. PROVIDE WIRING AND CONTROLS AS REQUIRED.
 - SEE LIGHTING NOTES ON DRAWING E-002 FOR ADDITIONAL INFORMATION.
 - UNLESS OTHERWISE NOTED, LIGHTING CIRCUITS ON THIS FLOOR SHALL BE CONNECTED TO PANELS ABBREVIATIONS AS FOLLOWS:
A. A1 DENOTES CIRCUIT #1 IN PANEL LP-BLDG-18
B. B1 DENOTES CIRCUIT #1 IN PANEL EM-BLDG-18

ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID		08.15.2016
No.	REVISIONS / SUBMISSIONS	DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

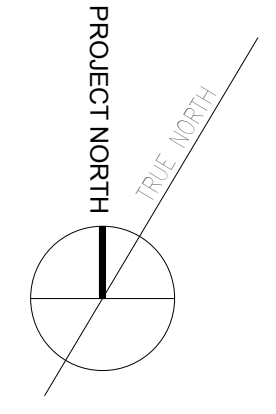
FX FOWLE

FX FOWLE ARCHITECTS, LLP | 122 WEST 89TH STREET | NEW YORK, NY 10011 | 212.687.1700 | 212.483.8716 | WWW.FX FOWLE.COM

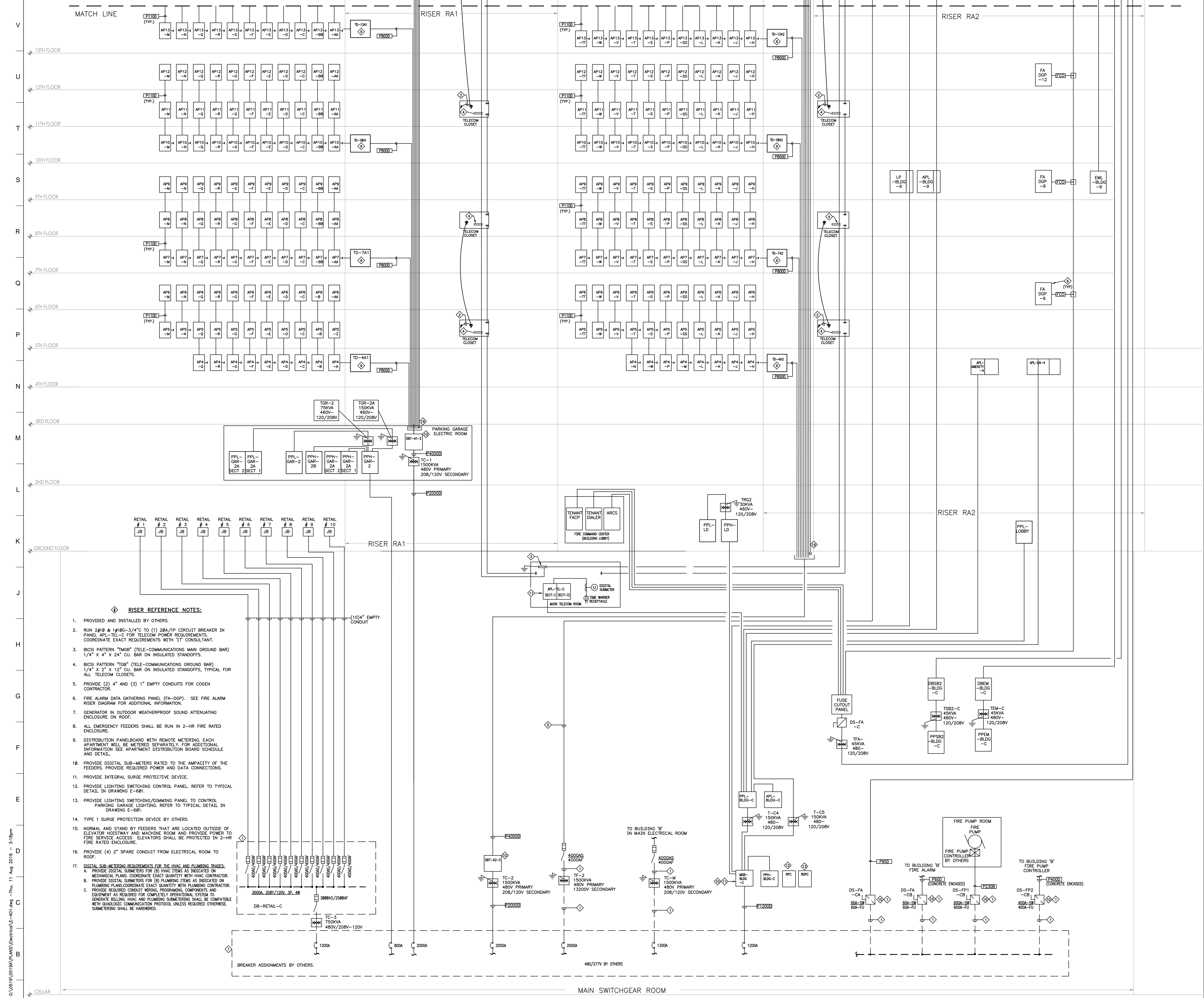
<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Co-ordinator For Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Rd, Summit, NJ 07901 908.273.1520</p>	<p>Acoustic Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant: VAN DUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300</p>
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DRAWING TITLE:
30TH FLOOR (MECH. MEZZANINE & EMR) ELECTRICAL LIGHTING PLAN

<p>Drawn: LM</p> <p>Checked: MB</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Cad File: SRRJamaica_HighRise_MEP</p> <p>Drawing No.: E-313.00</p> <p>Sheet 29 of 46</p>
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1 30TH FLOOR (MECH. MEZZANINE AND EMR) ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"

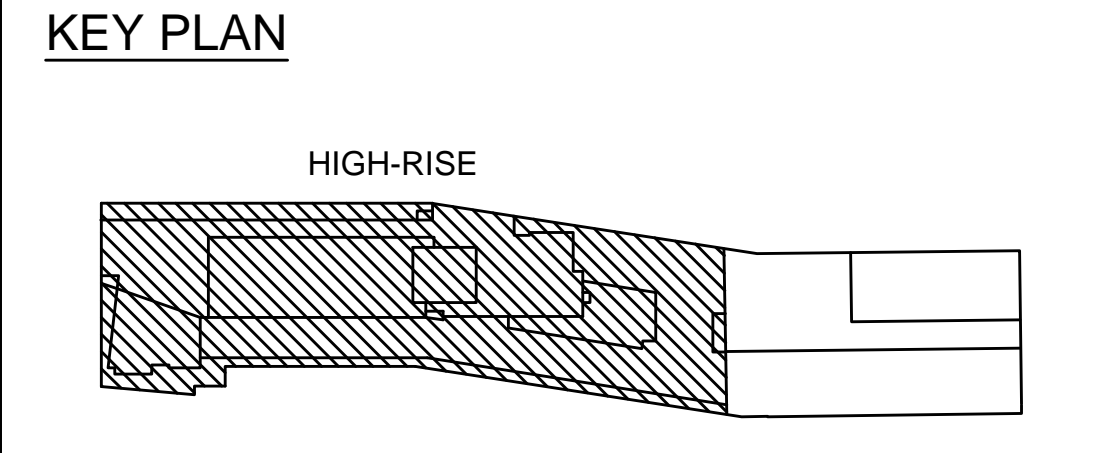


RISER REFERENCE NOTES:

1. PROVIDED AND INSTALLED BY OTHERS.
2. RUN 2#18 & 1#180-3/4" TO (1) 20A/1P CIRCUIT BREAKER IN PANEL AP1-TEL-C FOR TELECOM POWER REQUIREMENTS. COORDINATE EXACT REQUIREMENTS WITH IT CONSULTANT.
3. BICSI PATTERN "TMGB" (TELE-COMMUNICATIONS MAIN GROUND BAR) 1/4" X 4" X 24" CU. BAR ON INSULATED STANDOFFS.
4. BICSI PATTERN "TGB" (TELE-COMMUNICATIONS GROUND BAR) 1/4" X 2" X 12" CU. BAR ON INSULATED STANDOFFS, TYPICAL FOR ALL TELECOM CLOSETS.
5. PROVIDE (2) 4" AND (3) 1" EMPTY CONDUITS FOR COGEN CONTRACTOR.
6. FIRE ALARM DATA GATHERING PANEL (FA-DGP). SEE FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
7. GENERATOR IN OUTDOOR WEATHERPROOF SOUND ATTENUATING ENCLOSURE ON ROOF.
8. ALL EMERGENCY FEEDERS SHALL BE RUN IN 2-HR FIRE RATED ENCLOSURE.
9. DISTRIBUTION PANELBOARD WITH REMOTE METERING. EACH APARTMENT WILL BE METERED SEPARATELY. FOR ADDITIONAL INFORMATION SEE APARTMENT DISTRIBUTION BOARD SCHEDULE AND DETAIL.
10. PROVIDE DIGITAL SUB-METERS RATED TO THE AMPACITY OF THE FEEDERS. PROVIDE REQUIRED POWER AND DATA CONNECTIONS.
11. PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE.
12. PROVIDE LIGHTING SWITCHING CONTROL PANEL. REFER TO TYPICAL DETAIL IN DRAWING E-681.
13. PROVIDE LIGHTING SWITCHING/DIMMING PANEL TO CONTROL PARKING GARAGE LIGHTING. REFER TO TYPICAL DETAIL IN DRAWING E-681.
14. TYPE 1 SURGE PROTECTION DEVICE BY OTHERS.
15. NORMAL AND STAND BY FEEDERS THAT ARE LOCATED OUTSIDE OF ELEVATOR HOISTWAY AND MACHINE ROOM AND PROVIDE POWER TO FIRE SERVICE ACCESS. ELEVATORS SHALL BE PROTECTED IN 2-HR FIRE RATED ENCLOSURE.
16. PROVIDE (4) 2" SPARE CONDUIT FROM ELECTRICAL ROOM TO ROOF.
17. DIGITAL SUB-METERING REQUIREMENTS FOR THE HVAC AND PLUMBING TRADES.
 - A. PROVIDE DIGITAL SUBMETERS FOR (8) HVAC ITEMS AS INDICATED ON MECHANICAL PLANS. COORDINATE EXACT QUANTITY WITH HVAC CONTRACTOR.
 - B. PROVIDE DIGITAL SUBMETERS FOR (8) PLUMBING ITEMS AS INDICATED ON PLUMBING PLANS. COORDINATE EXACT QUANTITY WITH PLUMBING CONTRACTOR.
 - C. PROVIDE REQUIRED CONDUIT WIRING, PROGRAMMING, COMPONENTS AND EQUIPMENT AS REQUIRED FOR COMPLETELY OPERATIONAL SYSTEM TO GENERATE BILLING, HVAC AND PLUMBING SUBMETERING SHALL BE COMPATIBLE WITH ANALOGOUS COMMUNICATION PROTOCOLS UNLESS REQUIRED OTHERWISE. SUBMETERING SHALL BE HARDWIRED.

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD.88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS | SUBMISSIONS | DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP 220 WEST 64TH STREET | NEW YORK, NY 10011 | 212.621.1700 | F212.483.9116 | WWW.FXFOWLE.COM

Structural Engineer: **WSP**
228 East 42nd Street, New York, NY 10017 212.687.8888

Mechanical, Electrical, Plumbing and Fire Protection Engineer: **ICOR ASSOCIATES**
4902 Route 1 South, Suite 200, Hazlet, NJ 08830 908.272.3300

Acoustic Consultant: **LONGMAN LINDSEY**
1430 Broadway, Suite 500, New York, NY 10018 212.515.6400

Vertical Transportation Consultant: **MUESER RUTLEDGE ARCHITECTURE PC**
125 East 86th Avenue, Suite 310, East Rutherford, NJ 07070 908.272.3300

Energy Consultant: **ENERGY CONCEPTS ENGINEERING, P.C.**
28 Chapel Street, Suite 502, Brooklyn, NY 11201 718.705.0554

Terrain Landscape Architect: **TERRAIN LANDSCAPE ARCHITECTURE PC**
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6060

Lighting Designer: **S + S LIGHTING DESIGN**
121 Beachwood Rd., Summit, NJ 07901 908.272.1500

General Contractor: **MUESER RUTLEDGE CONSULTING ENGINEERS**
225 West 34th Street, New York, NY 10018 212.339.9300

DRAWING TITLE:
ELECTRICAL RISER DIAGRAM SHEET 1 OF 2

Scale:	Drawn:	Project No.:
NO SCALE	MF	14015.LDD
	Checked:	Car File
	IB	E-401.dwg
	Reviewed:	Drawing No.:
	IB	
	Date:	
	08.15.2016	
	Scale:	
	NO SCALE	
		Sheet 30 of 46

Table: Electrical schedule for DB-BLDG-C. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

NOTES: 1. FREE STANDING BOARD, PROVIDE CONCRETE PAD. 2. PROVIDE REQUIRED SUPPORT.

Table: Electrical schedule for PPL-BLDG-C. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: Electrical schedule for PPL-LDBY. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: Electrical schedule for PPH-LD. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: Electrical schedule for PPH-GAR-2. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: FEEDER SCHEDULE. Columns include conductor type, size, length, and ampacity. Includes notes on conductor selection and derating.

Table: Electrical schedule for PPH-GAR-2A. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

NOTES: 1. FREE STANDING BOARD, PROVIDE CONCRETE PAD. 2. PROVIDE REQUIRED SUPPORT.

Table: Electrical schedule for PPH-BLDG-C. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: Electrical schedule for PPH-BLDG-C (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPH-GAR-2B. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: Electrical schedule for PPH-GAR-2 (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPH-GAR-2B. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

NOTES: 1. FREE STANDING BOARD, PROVIDE CONCRETE PAD. 2. PROVIDE REQUIRED SUPPORT.

Table: Electrical schedule for PPH-BLDG-C (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPH-BLDG-C (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPH-GAR-2 (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPH-GAR-2 (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for DB-BLDG-R. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

NOTES: 1. FREE STANDING BOARD, PROVIDE CONCRETE PAD. 2. PROVIDE REQUIRED SUPPORT.

Table: Electrical schedule for PPH-BLDG-R. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: Electrical schedule for PPH-BLDG-R (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPH-GAR-2 (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPH-GAR-2 (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPL-LDBY (continued). Columns include equipment type, load, and remarks.

NOTES: 1. FREE STANDING BOARD, PROVIDE CONCRETE PAD. 2. PROVIDE REQUIRED SUPPORT.

Table: Electrical schedule for PPL-LDBY (continued). Columns include equipment type, load, and remarks.

Table: Electrical schedule for PPL-LDBY (continued). Columns include equipment type, load, and remarks.

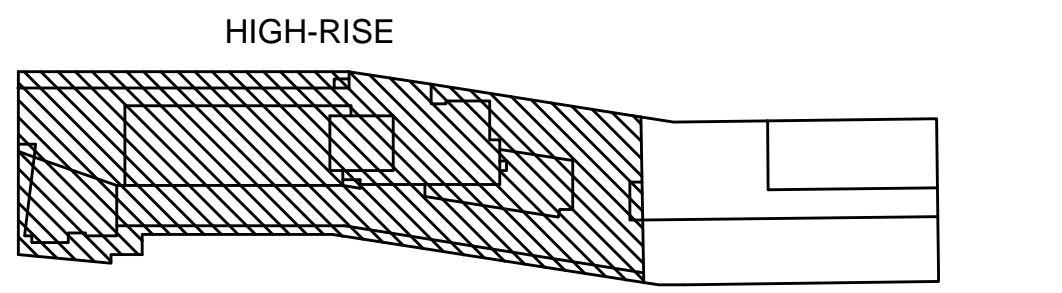
Table: Electrical schedule for APL-BLDG-C. Columns include equipment type, load, and remarks. Includes sub-totals for kVA and amperage.

Table: Electrical schedule for APL-BLDG-C (continued). Columns include equipment type, load, and remarks.

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KEY PLAN



NOT FOR CONSTRUCTION

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE QUEENS, NY 11435

CJ PLAZA ONE LLC

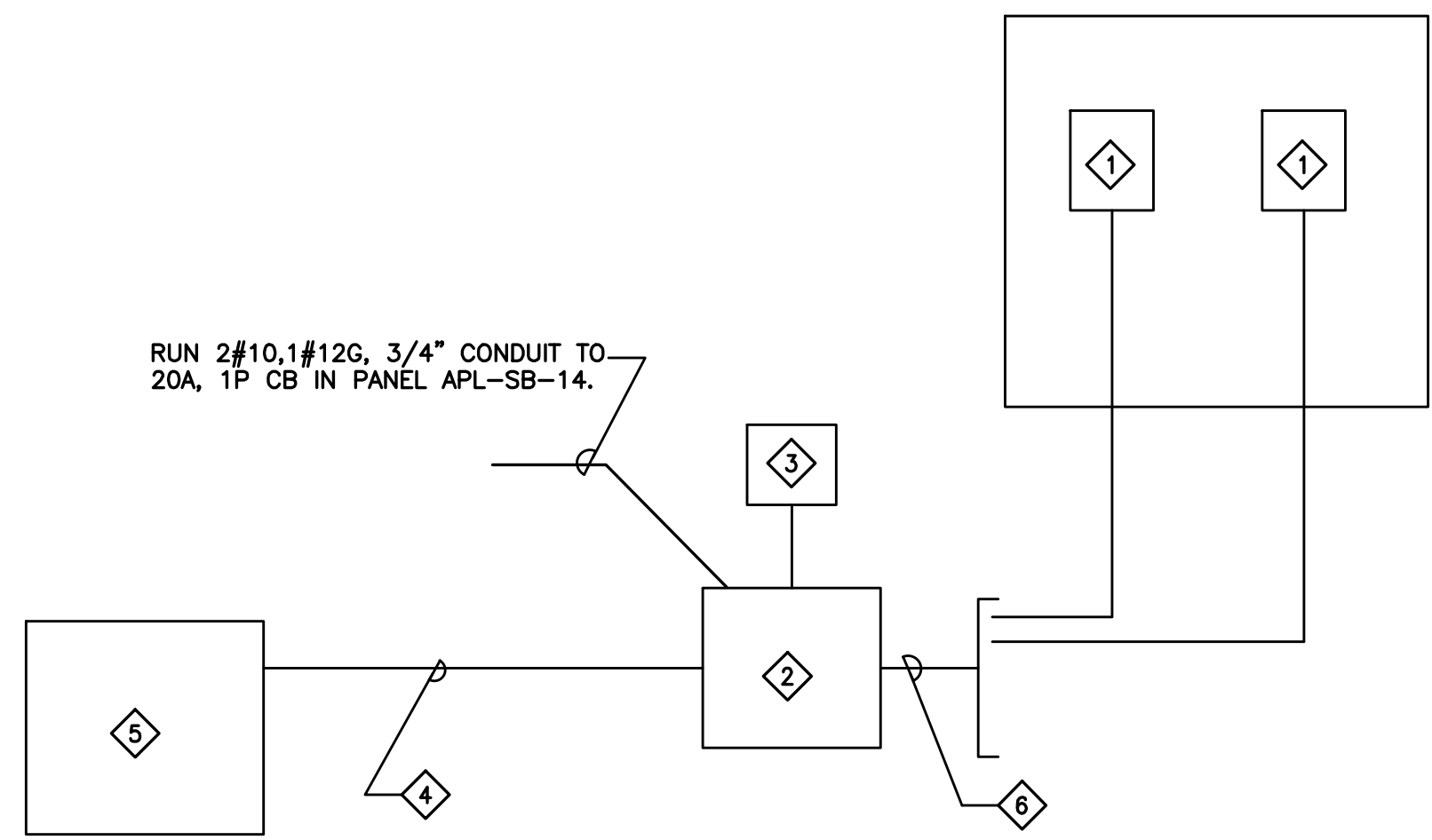
767 Third Avenue, 33rd Floor New York, NY 10017 212.488.1750

Project information including project name, location, and contact details for F X FOWLE architects and Van Deusen & Associates.

Table: Electrical SCHEDULES. Columns include schedule name and corresponding transformer feeder schedule.

1 ELECTRICAL SCHEDULES NOT TO SCALE

E-501.00



(NOT TO SCALE)
AIRCRAFT OBSTRUCTION LIGHT DETAIL

REFERENCE NOTES:

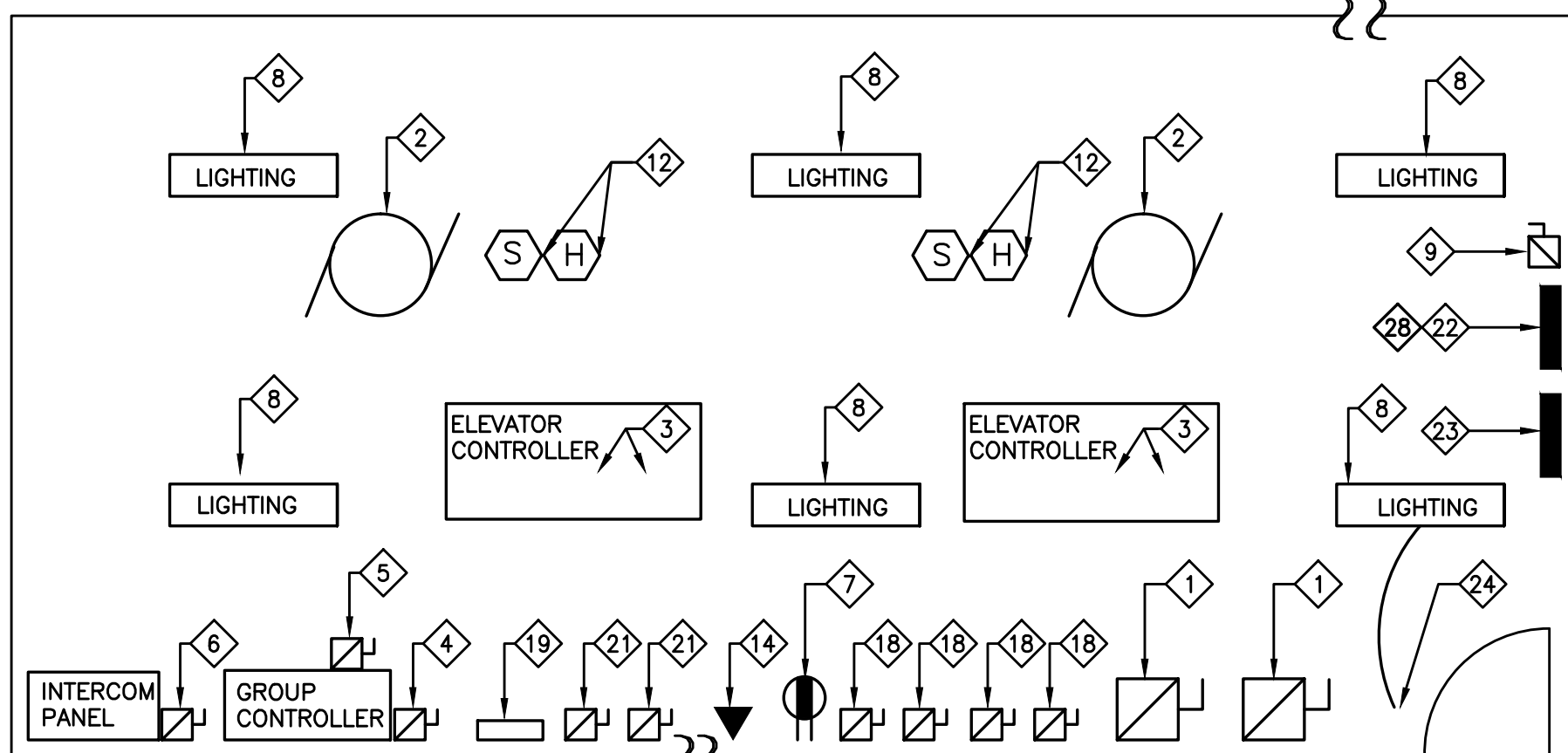
- AIRCRAFT OBSTRUCTION LED RED LIGHT "OB1" AS MANUFACTURED BY POINT LIGHTING CORPORATION #POL-21004-47(24V)-R-108-52-MT OR EQUAL.
 - MOUNT TO THE ROOF SCREEN WALL. PROVIDE REQUIRED SUPPORT. COORDINATE MOUNTING WITH ARCHITECT. LIGHT SHALL BE AT LEAST 24" HIGHER THAN SCREEN BUILDING STRUCTURE.
 - PROVIDE REQUIRED JUNCTION BOXES. JUNCTION BOXES SHALL BE AS MANUFACTURED BY POINT LIGHTING CORPORATION #JB-34/2-10/2-MT OR EQUAL. COORDINATE WITH THE MANUFACTURER QUANTITIES OF COMPRESSION FITTINGS, SEALING WASHERS AND MOUNTING HARDWARE REQUIRED FOR PROPER INSTALLATION.
- OBSTRUCTION LED LIGHT SYSTEM CONTROLLER WITH BATTERY BACKUP SHALL BE AS MANUFACTURED BY POINT LIGHTING CORPORATION #POC-6000-06202406A (24V) OR EQUAL. CONTROLLER SHALL BE PROVIDED WITH ON/OFF/AUTOR SWITCH FOR MANUAL OVERRIDE OPTION. PROVIDE REQUIRED POWER SUPPLY TO EACH UNIT. QUANTITY OF UNITS INDICATED IS DIAGRAMMATIC AND SHALL BE VERIFIED BY MANUFACTURER.
- OBSTRUCTION LIGHT PHOTOCELL ASSEMBLY SHALL BE AS MANUFACTURED BY POINT LIGHTING CORPORATION #PPC-4003 (24V)-108-MT.
- PROVIDE REQUIRED CONNECTION TO BUILDING MANAGEMENT SYSTEM. COORDINATE ALARMS (RELAYS) QUANTITY AND CONFIGURATION WITH THE OWNER. COORDINATE EXACT REQUIREMENTS WITH CONTROL CONTRACTOR.
- BUILDING MANAGEMENT SYSTEM. COORDINATE EXACT LOCATION AND ALL ASSOCIATED WORK WITH THE OWNER.
- PROVIDE REQUIRED CONDUIT AND WIRING. COORDINATE VOLTAGE WITH MANUFACTURER.

GENERAL NOTES:

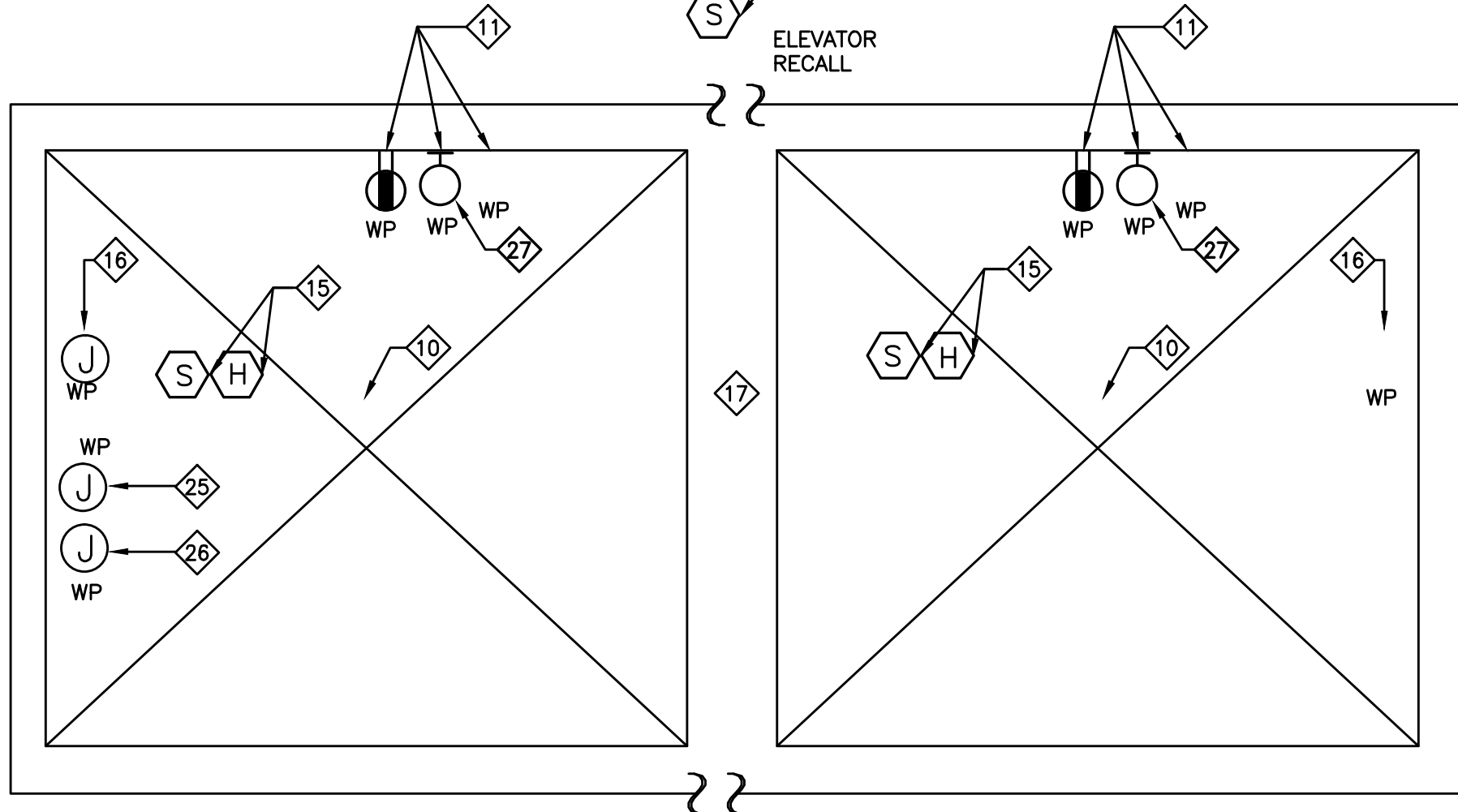
- DESIGN INFORMATION INCLUDED IN THIS DETAIL IS PROVIDING DESIGN INTENT ONLY.
- CONTRACTOR SHALL COORDINATE EXACT EQUIPMENT, WIRING AND CONTROL REQUIREMENTS WITH MANUFACTURER AND LOCAL AUTHORITIES HAVING JURISDICTION.
- COORDINATE EXACT LOCATION OF THE ASSOCIATED DEVICES AND EQUIPMENT WITH ARCHITECT THE OWNER.

SEQUENCE OF OPERATIONS:

- RED AIRCRAFT OBSTRUCTION LIGHTS SHALL BE:
 - CONTROLLED BY PHOTOCELL AS FOLLOWS:
 - "ON" AT 35 FOOTCANDLES
 - "OFF" AT 60 FOOTCANDLES
 - STEADY
 - INDIVIDUALLY MONITORED BY CONTROL PANEL
 - PROVIDED WITH MANUAL OVERRIDE FOR GROUP OF SIX.
- COORDINATE FINAL SEQUENCE OF OPERATION WITH AUTHORITIES HAVING JURISDICTION AND HOSPITAL ENGINEER.



TYPICAL ELEVATOR MACHINE ROOM FOR TWO OR MORE ELEVATORS PER BANK



TYPICAL ELEVATOR SHAFT FOR TWO OR MORE ELEVATORS PER BANK

ELEVATOR MACHINE ROOM DETAIL NOTES:

- PRIOR TO INSTALLING ELECTRICAL EQUIPMENT AND DEVICES IN ELEVATOR MACHINE ROOM, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ELEVATOR VENDOR/INSTALLER, IT/AV/SECURITY CONSULTANTS FOR EXACT LOCATION OF EQUIPMENT/DEVICES AND ELECTRICAL CONNECTIONS IN ELEVATOR MACHINE ROOM.

TYPICAL ELEVATOR MACHINE ROOM DETAIL

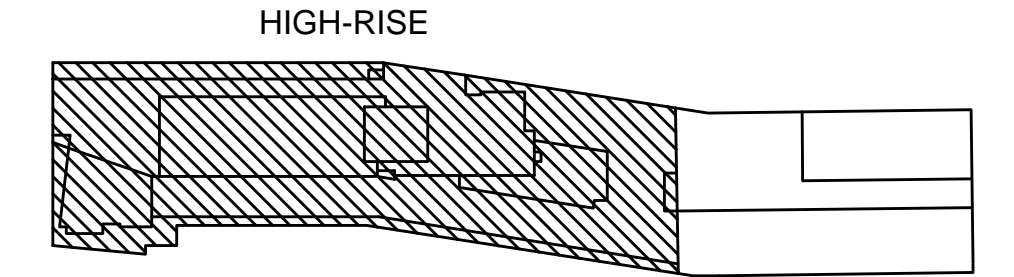
ELEVATOR MACHINE ROOM DETAIL REFERENCE NOTES:

- ◇ FUSED DISCONNECT SWITCH. COORDINATE RATING AND FEEDER REQUIREMENTS WITH ELEVATOR CONSULTANT. PROVIDE (1) N/C AND (1) N/C AUXILIARY CONTACT IN EACH DISCONNECT SWITCH FOR HYDRAULIC ELEVATORS FOR USE WITH BATTERY LOWERING DEVICE.
- ◇ ELEVATOR MOTOR. RATING AS PER ELEVATOR CONSULTANT.
- ◇ A. ONE 120V, 20A CIRCUIT DEDICATED TO THE ELEVATOR CAB LIGHTING AND FAN. PROVIDE EMERGENCY CIRCUIT.
- ◇ B. ONE 120V, 20A CIRCUIT DEDICATED TO THE ELEVATOR CAB AIR CONDITIONING AND HEATING. PROVIDE EMERGENCY CIRCUIT.
- ◇ 120/208V, 30A, 2P FUSED DISCONNECT SWITCH DEDICATED TO THE GROUP CONTROLLER. GROUP CONTROLLER IS PROVIDED WHEN TWO OR MORE ELEVATORS PER BANK ARE INSTALLED.
- ◇ 120V, 20A FUSED DISCONNECT SWITCH DEDICATED TO THE GROUP CONTROLLER. PROVIDE EMERGENCY CIRCUIT.
- ◇ 120V, 20A FUSED DISCONNECT SWITCH DEDICATED TO THE INTERCOM. PROVIDE EMERGENCY CIRCUIT.
- ◇ PROVIDE MINIMUM OF ONE GFI DUPLEX MAINTENANCE OUTLETS IN EACH ELEVATOR MACHINE ROOM.
- ◇ PROVIDE REQUIRED LIGHTING TO MAINTAIN MINIMUM OF TEN FOOT-CANDLES AT FLOOR LEVEL. PROVIDE EMERGENCY BACKUP BY MEANS OF EMERGENCY GENERATOR.
- ◇ REQUIRED DISCONNECT SWITCH DEDICATED TO THE ELEVATOR MACHINE ROOM VENTILATION. COORDINATE RATING AND FEEDER REQUIREMENTS WITH HVAC CONTRACTOR.
- ◇ 120V, 20A CIRCUIT DEDICATED TO THE TRAIL CABLE OUTLET BOX LOCATED ON TOP OF EACH ELEVATOR SHAFT.
 - PROVIDE EMERGENCY CIRCUIT.
 - PROVIDE DEDICATED 120V, 20A FUSED DISCONNECT SWITCH IN ELEVATOR MACHINE ROOM.
- ◇ 120V, 20A DEDICATED CIRCUIT IN ELEVATOR PIT TO ENERGIZE LIGHT, LIGHT SWITCH AND DUPLEX GFI RECEPTACLE OUTLET. ALL DEVICES LOCATED IN ELEVATOR PIT SHALL BE WEATHERPROOF TYPE.
- ◇ SMOKE DETECTOR IS REQUIRED. PROVIDE HEAT DETECTOR WHEN ELEVATOR MACHINE ROOM IS SPRINKLERED. LOCATE WITHIN TWO FEET FROM SPRINKLER HEAD.
- ◇ ELEVATOR RECALL SMOKE DETECTOR IN EACH ELEVATOR LOBBY. QUANTITY AS PER NFPA 72.
- ◇ TELEPHONE FOR EMERGENCY COMMUNICATION WITH ELEVATOR CAR. PROVIDE REQUIRED CONDUIT AND WIRING.
 - WHEN ELEVATOR SHAFT IS SPRINKLERED, PROVIDE SMOKE AND HEAT DETECTORS. LOCATE HEAT DETECTOR WITHIN 24 INCHES FROM SPRINKLER HEAD.
 - WHEN ELEVATOR SHAFT IS VENTILATED, PROVIDE SMOKE DETECTOR ON TOP OF THE SHAFT TO INITIATE VENTILATION OF THE SHAFT.
 - FOR HYDRAULIC ELEVATORS, PROVIDE SMOKE DETECTORS IN AN ELEVATOR PIT.
 - WHEN ELEVATOR PIT IS SPRINKLERED, PROVIDE HEAT DETECTOR. LOCATE HEAT DETECTOR WITHIN 24 INCHES FROM SPRINKLER HEAD.
- ◇ 120V, 20A CIRCUIT DEDICATED TO SUMP PUMP AND TERMINATED IN NON-GFI SIMPLEX RECEPTACLE OUTLET IN ELEVATOR PIT.
- ◇ PROVIDE EMPTY CONDUITS, JUNCTION BOXES, ETC. IN ELEVATOR SHAFT REQUIRED FOR INSTALLATION OF THE FIRE ALARMS, COMMUNICATION AND SECURITY SYSTEMS. COORDINATE EXACT REQUIREMENTS WITH ASSOCIATED CONSULTANT/MANUFACTURER.
- ◇ 120V, 20A DEDICATED FUSED DISCONNECT SWITCH ASSOCIATED WITH CAB LIGHTING AND AIR CONDITIONING CIRCUITS. QUANTITY AS REQUIRED.
- ◇ PROVIDE DRY, NO/N/C CONTACTS IN EACH ELEVATOR CONTROLLER. WHEN EMERGENCY GENERATOR IS REQUIRED, TRANSFER SIGNAL FROM AUTOMATIC TRANSFER SWITCH SHALL BE AVAILABLE FOR THE ELEVATOR CONTROLLER TO IDENTIFY THAT TRANSFER TO EMERGENCY POWER HAS OCCURRED AND ANOTHER SIGNAL PRIOR TO TRANSFER BACK TO NORMAL POWER. QUANTITY AS REQUIRED.
- ◇ WHEN ONLY ONE ELEVATOR IS PROVIDED PER BANK, DELETE REQUIREMENTS ASSOCIATED WITH GROUP CONTROLLER.
- ◇ 120V, 20A FUSED DISCONNECT SWITCH ASSOCIATED WITH CIRCUIT REQUIRED FOR TRAIL CABLE.
 - 1-30/2P FUSED DISCONNECT SWITCH PER CONTROLLER.
 - 5-20A/1P FUSED DISCONNECT SWITCHES PER ELEVATOR CAB.
- ◇ WHEN MORE THAN TWO ELEVATORS PER BANK ARE INSTALLED, IN LIEU OF ITEMS 18 AND 21 PROVIDE 100A BUS, 120/208V, 3 PHASE, 4 WIRE EMERGENCY POWER PANEL WITH 100A UNFUSED MAIN DISCONNECT SWITCH AND FOLLOWING BRANCH CIRCUIT PROTECTIVE DEVICES:
 - 1-30/2P FUSED DISCONNECT SWITCH PER CONTROLLER.
 - 5-20A/1P FUSED DISCONNECT SWITCHES PER ELEVATOR CAB.
- ◇ ELEVATOR MACHINE ROOM LIGHTING SWITCH.
- ◇ PROVIDE 120V, 20A CIRCUIT FOR SHAFT LIGHTING. COORDINATE WITH ELEVATOR CONSULTANT
- ◇ PROVIDE 120V, 20A CIRCUIT FOR SHAFT RECEPTACLES. COORDINATE WITH ELEVATOR CONSULTANT
- ◇ WALL MOUNTED QUARTZ COVERED VAPOR TIGHT INCANDESCENT FIXTURE, 100W, 120V BY HAZLUX CAT.# LWAT5GCV WITH ONE 100A 21/99 LAMP OR APPROVED EQUAL.
- ◇ PROVIDE FUSED DISCONNECT SWITCH DEVICE AS REQUIRED IN THE ELEVATOR MACHINE ROOM THIS DEVICE SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION. WHEN ELEVATOR MACHINE ROOM IS SPRINKLERED THE ELEVATOR FEEDER SHALL BE PROVIDED WITH A SHUNT TRIP CIRCUIT BREAKER INSTALLED IN POWER PANEL.

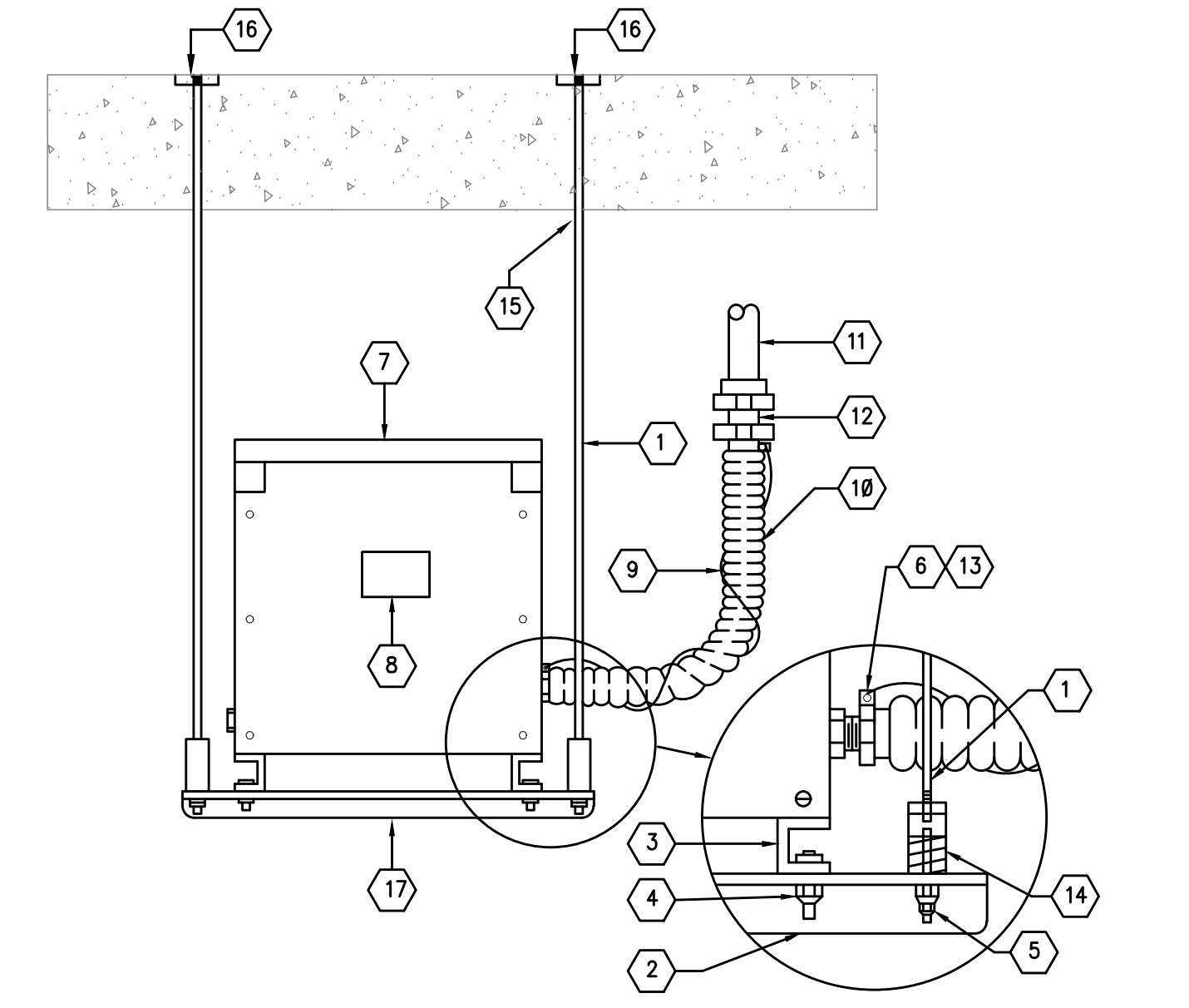
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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD.88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN

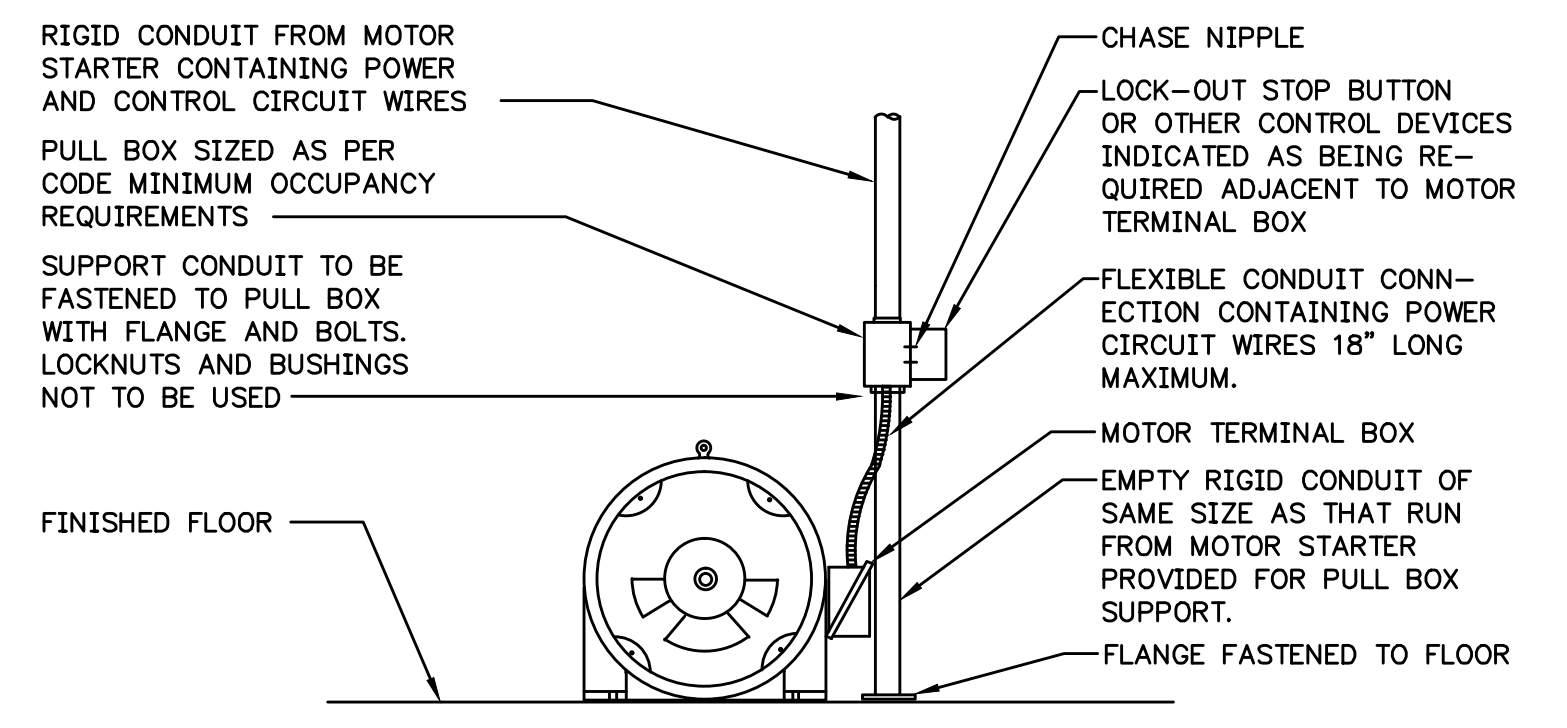


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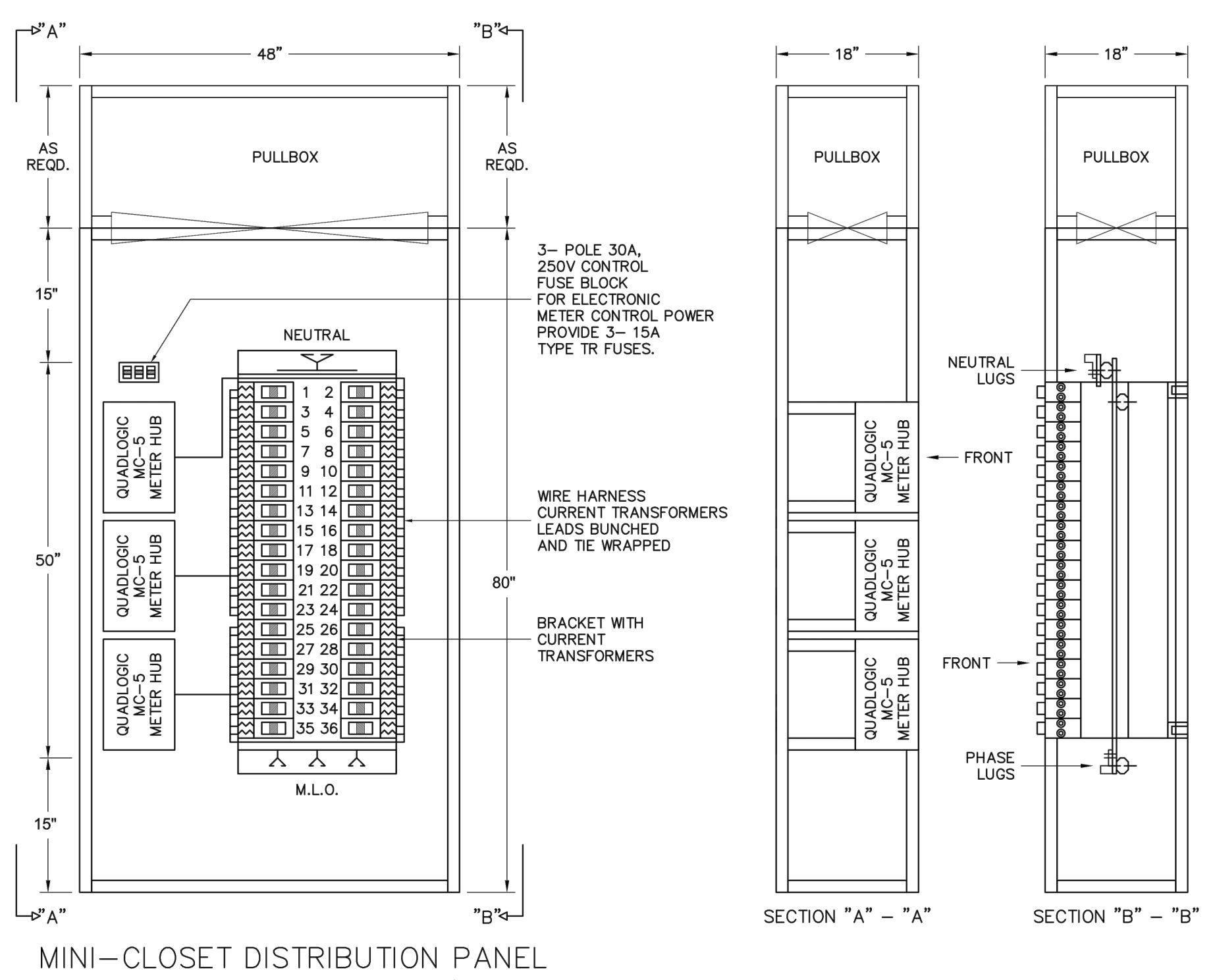


TRANSFORMER MOUNTING DETAIL
NOT TO SCALE

- NOTES:**
- | | |
|---|---|
| 1 1/2" D. THREADED STEEL ROD SUPPORT FROM STRUCTURE ABOVE | 9 EXTERNAL COPPER BONDING WIRE |
| 2 ANGLE IRON SUPPORT 3" X 3" 2 REQ'D. LENGTH TO SUIT | 10 LIQUID TIGHT FLEXIBLE METAL CONDUIT 18" MIN. |
| 3 TRANSFORMER BASE CHANNEL | 11 RIGID CONDUIT |
| 4 1/2" D. NUT, BOLT & LOCKWASHER 4 REQUIRED | 12 COMBINATION COUPLING |
| 5 1/2" D. NUT, LOCKNUT & LOCKWASHER 4 REQUIRED | 13 GROUND CONNECTOR |
| 6 SECONDARY CONNECTION DETAIL PRIMARY - SIMILAR | 14 VIBRATION ELIMINATOR 4 REQ'D |
| 7 TRANSFORMER | 15 PROVIDE MISCELLANEOUS STEEL AS REQ'D. TO CONN. TO STRUCTURE |
| 8 NAMEPLATE-CONNECTION DIAGRAM TO FACE CLOSET ENTRANCE | 16 CHOP CONCRETE, LAY-IN FISH PLATE SIZE AS REQUIRED. FILL IN WITH CONCRETE. |
| | 17 BOTTOM OF SUPPORT OR ANY DEVICE SHALL NOT BE LESS THAN 7"-8" A.F.F. OR AS DIRECTED BY C.M. |



DETAIL SHOWING METHOD OF CONNECTION TO FLOOR MOUNTED MOTORS (INCLUDING MOUNTING OF CONTROL DEVICES IF REQUIRED)
NOT TO SCALE



TYPICAL TENANT METER BANK DETAIL

TENANT METERBANK DETAIL REFERENCE NOTES:

- TENANT METERBANK:
 - METERBANK DIMENSIONS INDICATED BASED ON ALL-CITY SWITCHBOARD, CORP. EQUIPMENT LAYOUT AND SHALL BE VERIFIED WITH THE EQUIPMENT MANUFACTURER PRIOR ORDERING.
 - LAYOUT IS TYPICAL FOR UP TO (24)-200A BREAKERS AND SHALL BE MODIFIED BASED ON ACTUAL NUMBER AND RATING OF THE METERBANK AND BRANCH CIRCUIT BREAKERS AS PER TENANT METERBANK PANEL SCHEDULES.

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
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4902 Route 9 South, Suite 9700, South, NJ 08830 908.272.3300

Acoustic Consultant: **LONGMAN LINDSEY**
1410 Broadway, Suite 500, New York, NY 10018 212.515.6400

Vertical Transportation Consultant: **VAN DEUSEN & ASSOCIATES**
120 Eighth Avenue, Suite 210, East Hudson, NJ 07506 973.984.9220

Energy Concepts: **ENERGY CONCEPTS ENGINEERING, P.C.**
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6090

Landscaping: **TERRAIN LANDSCAPE ARCHITECTURE PC**
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6090

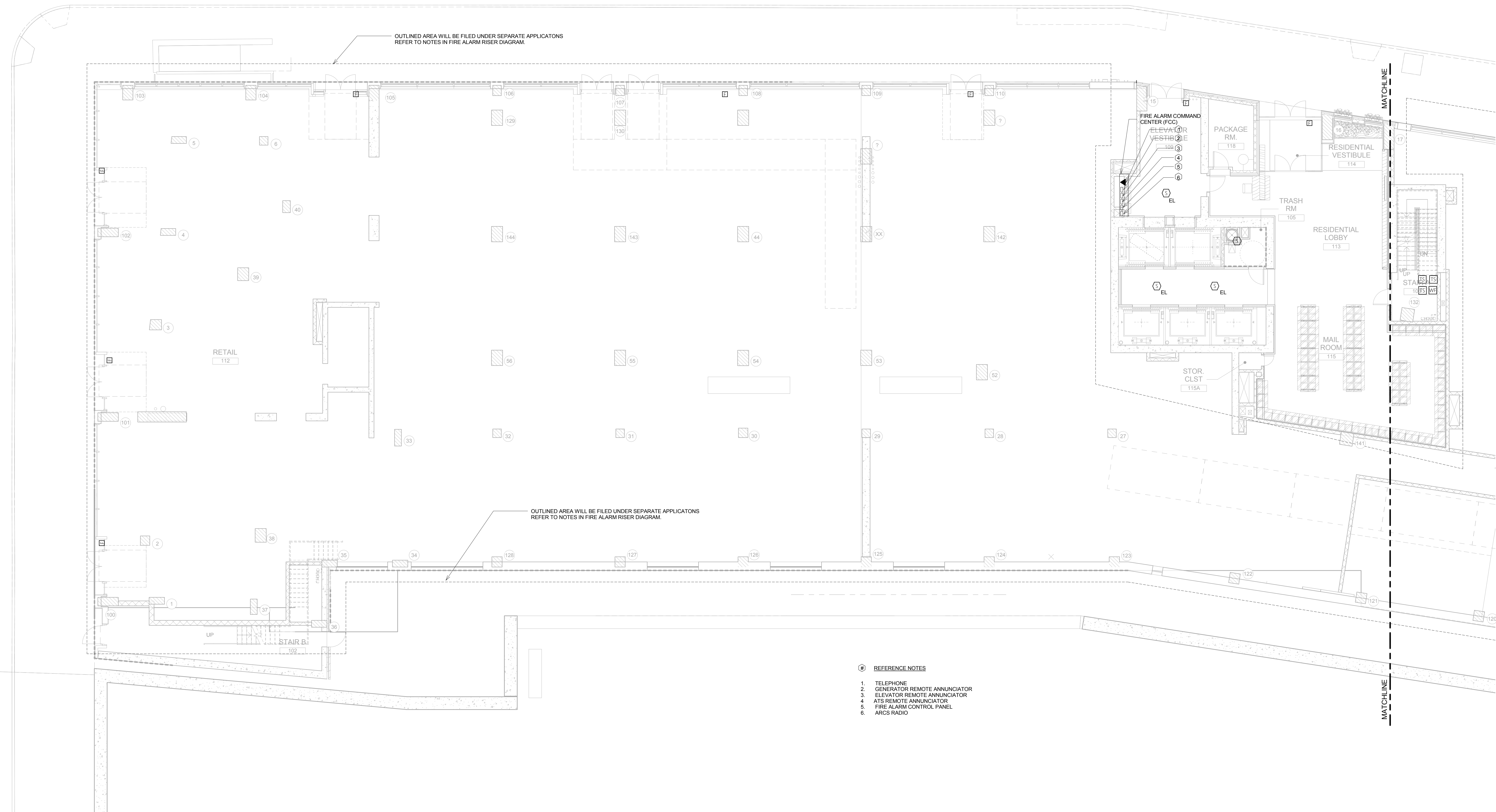
Lighting Engineer: **S + S LIGHTING DESIGN**
121 Beachwood Rd., Spoken, NJ 07901 908.272.1520

Generalist Engineer: **MUESER RUTLEDGE CONSULTING ENGINEERS**
225 West 34th Street, New York, NY 10018 917.338.9300

ELECTRICAL DETAILS

Drawn: MF	Project No.: 14015.L00
Checked: IB	Coord File: E-602.dwg
Reviewed: IB	Drawing No.:
Date: 08.15.2016	Scale: NO SCALE
Sheet 43 of 46	

E-602.00

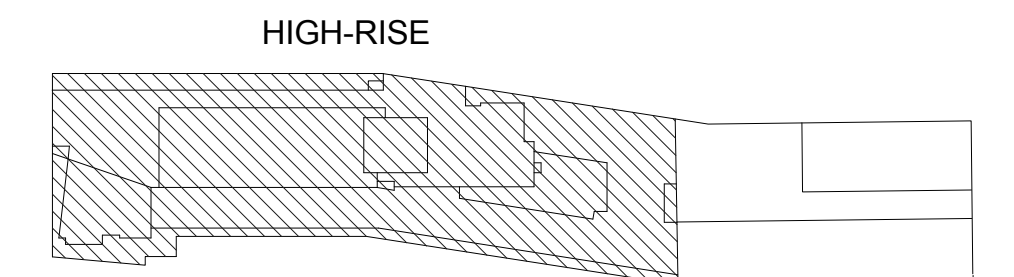


- ⑥ REFERENCE NOTES
1. TELEPHONE
 2. GENERATOR REMOTE ANNUNCIATOR
 3. ELEVATOR REMOTE ANNUNCIATOR
 4. AHS REMOTE ANNUNCIATOR
 5. FIRE ALARM CONTROL PANEL
 6. ARCS RADIO

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KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016

REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

Architect: **FX FOWLE**
FX FOWLE ARCHITECTS, LLP | 122 WEST 85TH STREET | NEW YORK, NY 10011 | 212.481.1700 | 212.483.8716 | WWW.FXFWOLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Acoustic Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.315.6400
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300	Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220
Civil/Structural Peer Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300

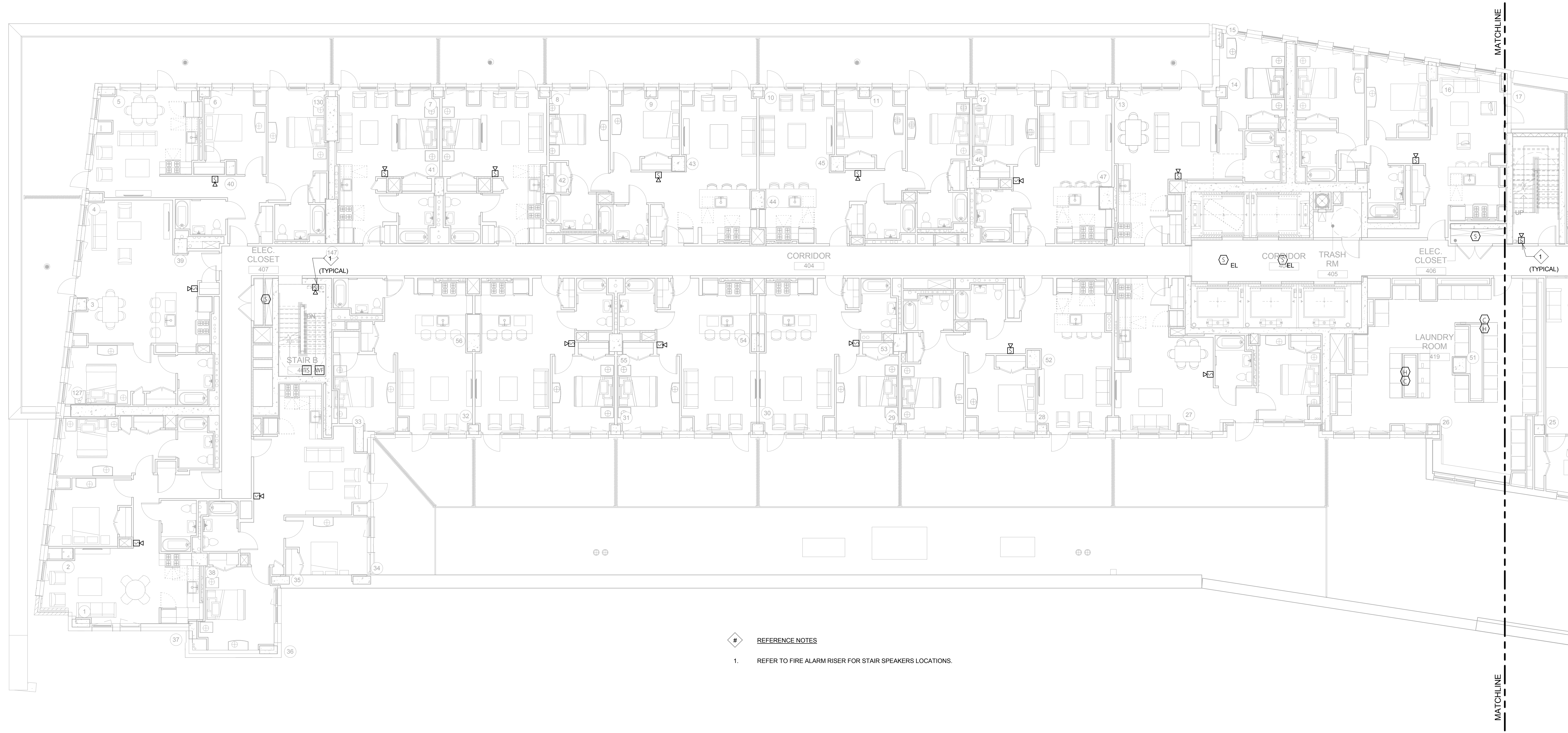
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GROUND FLOOR TENANT FIRE ALARM PLAN - WEST

Drawn: LM	Project No.: 14015.L00
Checked: MB	Cad File: SRRJamaica_HighRise_MEP
Reviewed: IB	Drawing No.:
Date: 08/15/16	
Scale: 1/8" = 1'-0"	
	Sheet 4 of 17

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2 4TH FLOOR TENANT FIRE ALARM PLAN - EAST
1/8" = 1'-0"

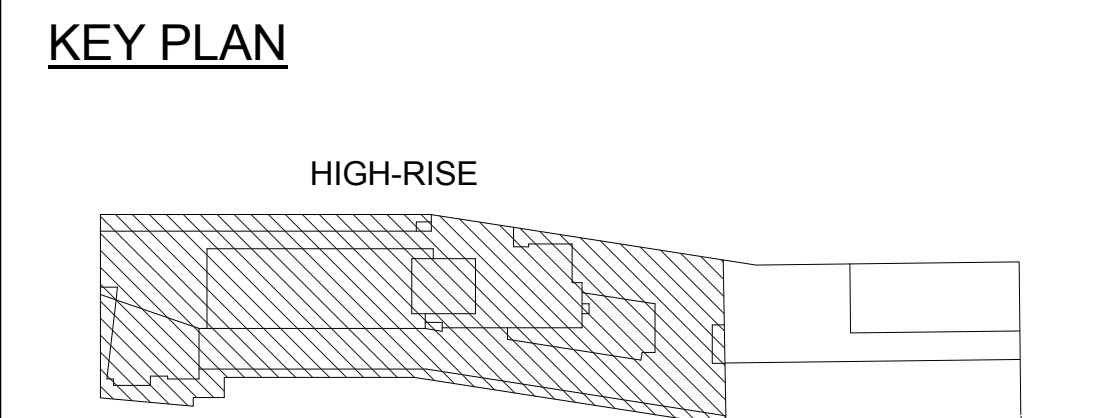


1 4TH FLOOR TENANT FIRE ALARM PLAN - WEST
1/8" = 1'-0"

REFERENCE NOTES
1. REFER TO FIRE ALARM RISER FOR STAIR SPEAKERS LOCATIONS.

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THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

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FX FOWLE ARCHITECTS, LLP | 122 WEST 59TH STREET | NEW YORK, NY 10019 | 212.488.1700 | 212.488.8716 | WWW.FXFWLE.COM

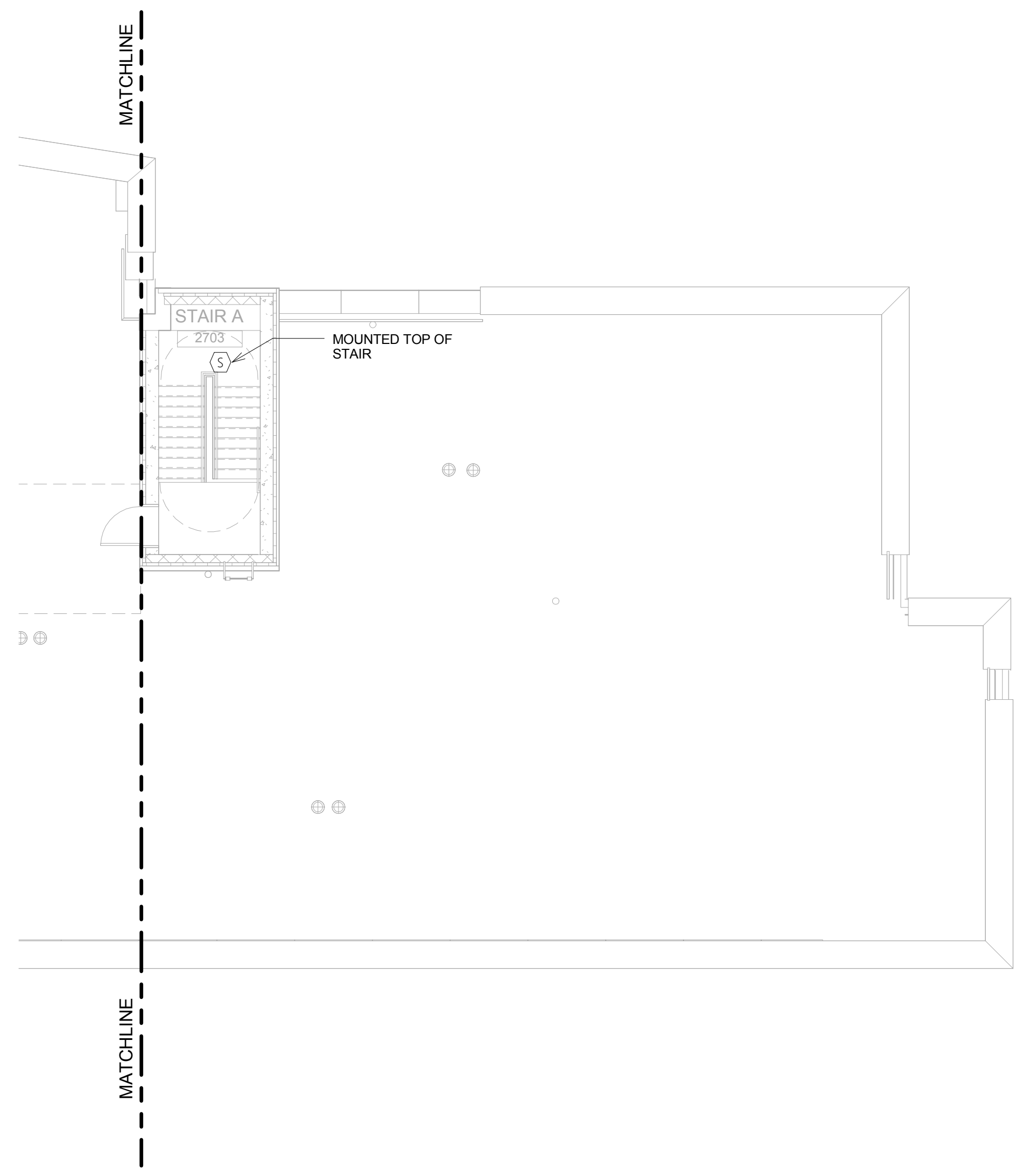
Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Middle Island Road, Suite 200, Westbury, NY 07596 973.994.9220	Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 310, East Hanover, NJ 07936 973.994.9220
Civil/Construction Permit Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6000
Lighting Designer: S + S LIGHTING DESIGN 125 Beachwood Drive, Summit, NJ 07901 908.273.1520	Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300

DRAWING TITLE:
4TH FLOOR TENANT FIRE ALARM PLAN

Drawn: LM	Project No.: 14015.L00
Checked: MB	Client File: SRR/Jamaica_HighRise_MEP
Reviewed: IB	Drawing No.:
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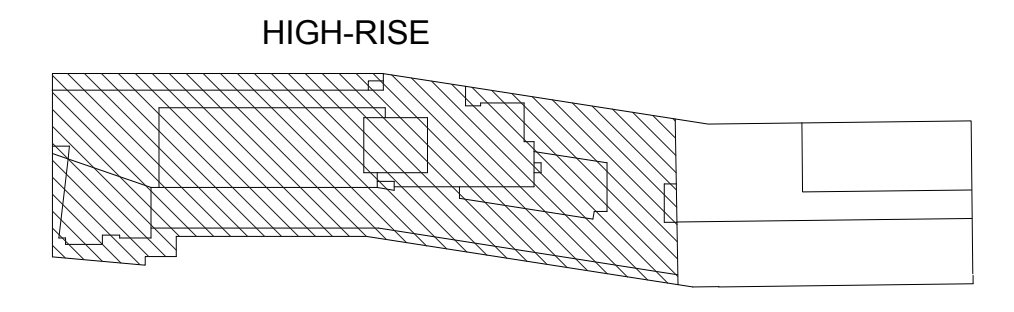


2 29TH FLOOR (MECHANICAL) TENANT FIRE ALARM PLAN - EAST
1/8" = 1'-0"



ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



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	ISSUED FOR BID	08.15.2016

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

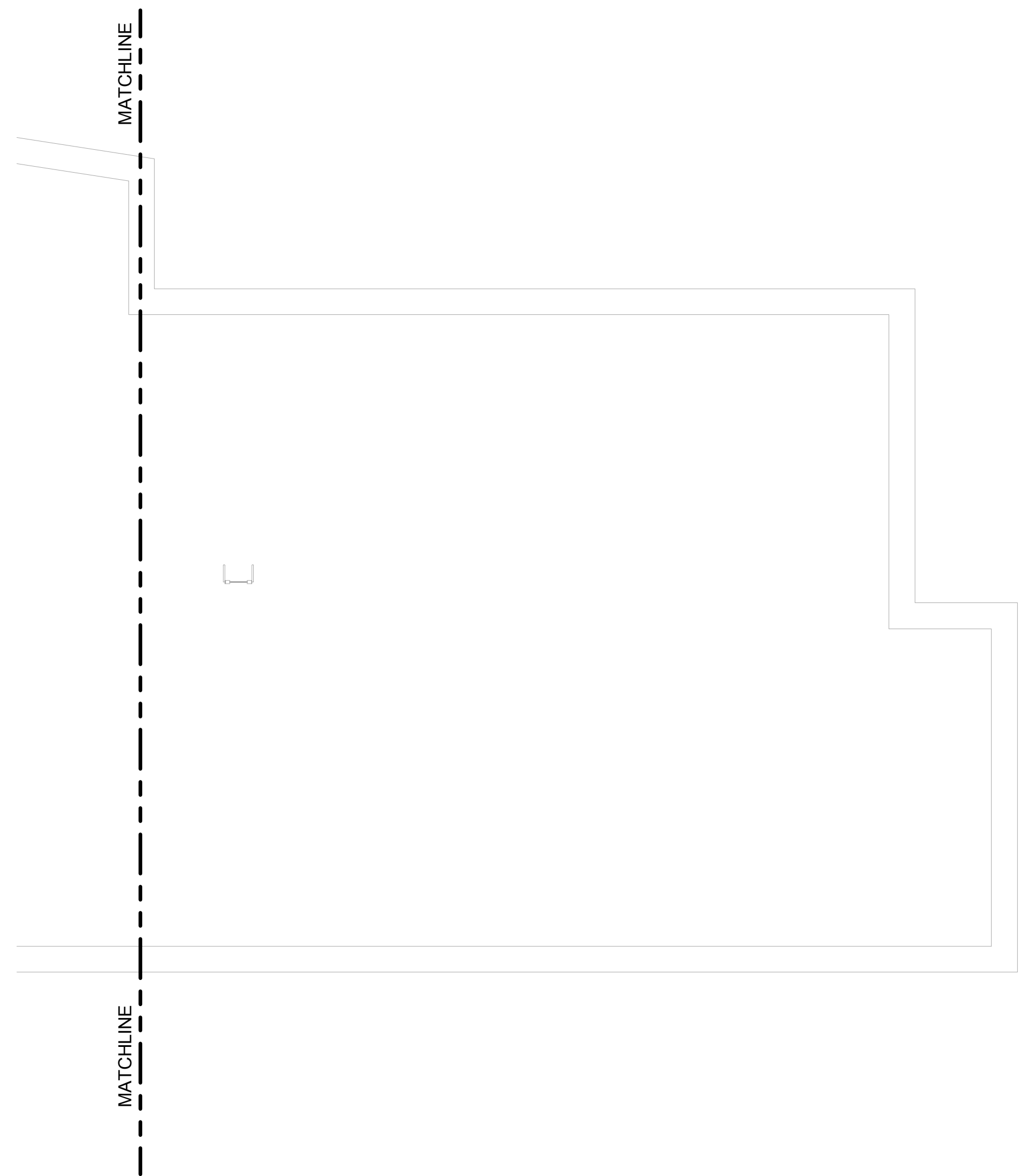
FX FOWLE
FX FOWLE ARCHITECTS, LLP | 120 WEST 59TH STREET | NEW YORK, NY 10019 | 212.481.1700 | 212.483.8716 | WWW.FX FOWLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600
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Civil/Construction Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0090
Lighting Designer: S + S LIGHTING DESIGN 125 Beachwood Drive, Summit, NJ 07901 908.273.1520	Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300

DRAWING TITLE:
29TH FLOOR (MECHANICAL) TENANT FIRE ALARM PLAN

Drawn: MB	Project No.: 14015.L00
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Reviewed: IB	Drawing No.:
Date: 08/15/16	
Scale: 1/8" = 1'-0"	Sheet 9 of 17

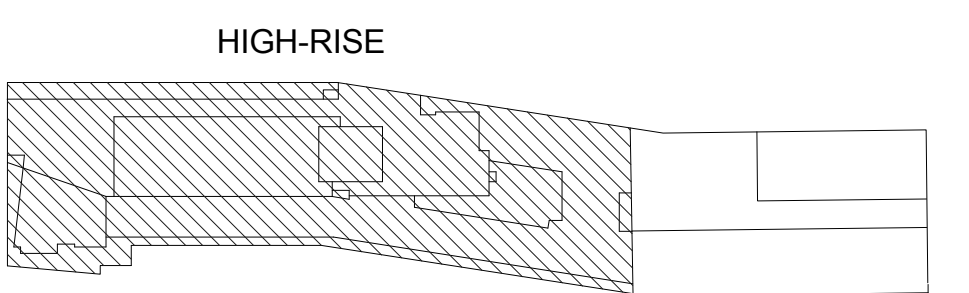
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New York, NY 10017 212.488.1750

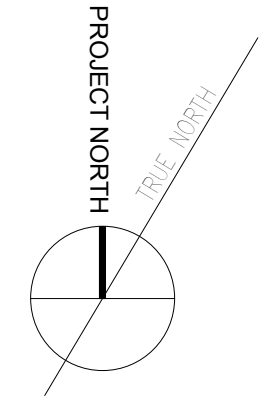
FX FOWLE

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- | | |
|---|--|
| <p>Structural Engineer:
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ENERGY CONCEPTS ENGINEERING, P.C.
25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer:
S + S LIGHTING DESIGN
121 Beachwood Rd., Summit, NJ 07901 908.273.1520</p> | <p>Architect/Designer:
LONGMAN LINDSEY
1410 Broadway, Suite 506, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant:
VAN DEUSEN & ASSOCIATES
120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect:
TERRAIN LANDSCAPE ARCHITECTURE PC
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer:
MUESER RUTLEDGE CONSULTING ENGINEERS
225 West 54th Street, New York, NY 10122 917.338.9330</p> |
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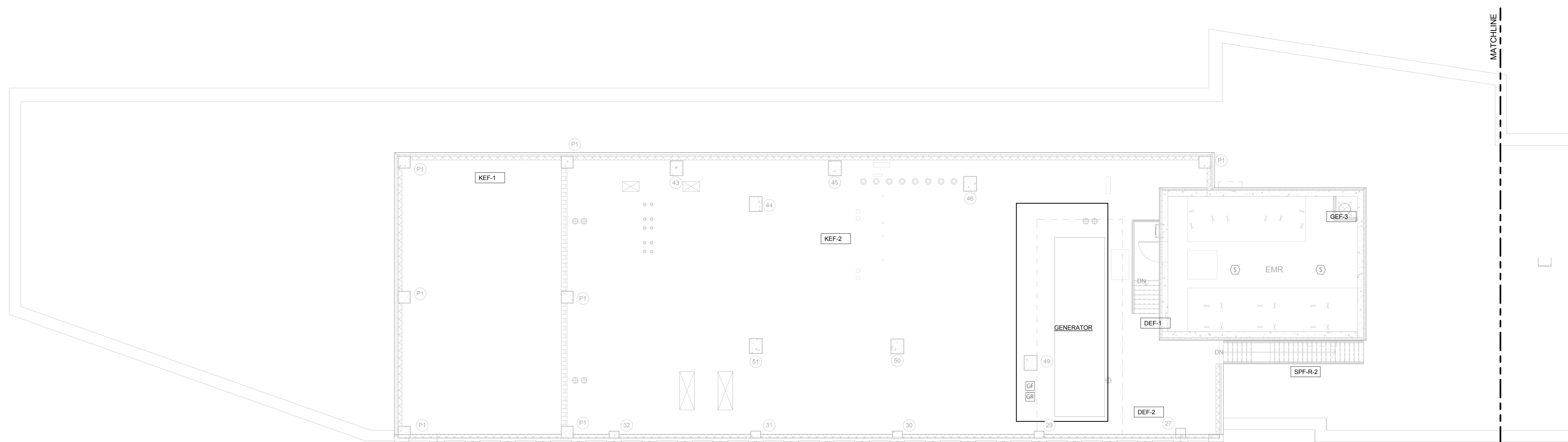
DRAWING TITLE:
30TH FLOOR (MECH. MEZZANINE & EMR) TENANT FIRE ALARM PLAN

<p>Drawn: LM</p> <p>Checked: MB</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Cad File: SRRFJamaica_HighRise_MEP</p> <p>Drawing No.: FA-122.00</p> <p>Sheet 14 of 17</p>
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2 30TH FLOOR (MECH. MEZZANINE AND EMR) TENANT FIRE ALARM PLAN - EAST

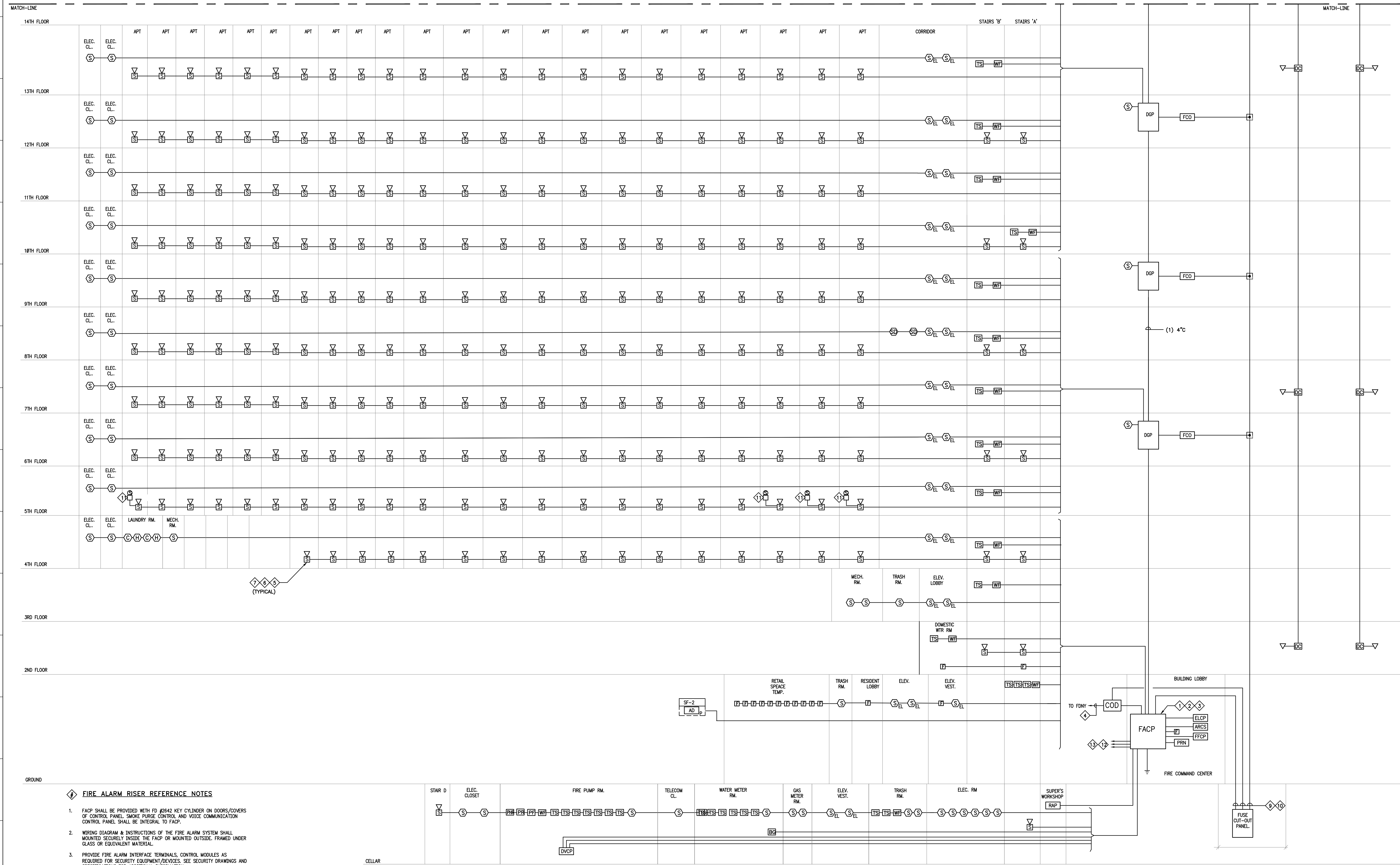
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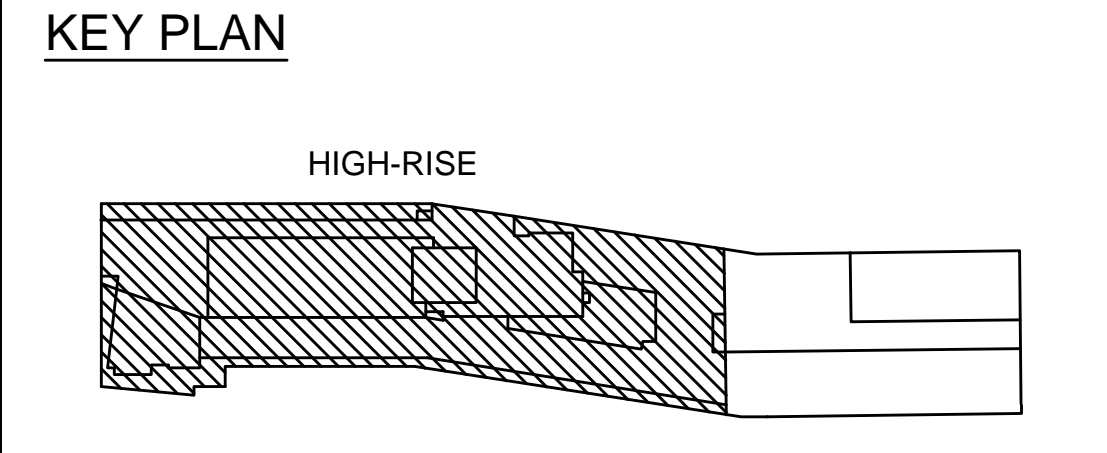
1 30TH FLOOR (MECH. MEZZANINE AND EMR) TENANT FIRE ALARM PLAN - WEST

1/8" = 1'-0"

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REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
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767 Third Avenue, 33rd Floor
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Vertical Transportation Consultant: **VAN DEUSEN & ASSOCIATES**
120 South Street, Suite 100, Newark, NJ 07102 973.994.9220

Construction Management: **ENERGY CONCEPTS ENGINEERING, P.C.**
25 Chagrin Street, Suite 902, Brooklyn, NY 11201 718.705.5254

Landscape Architect: **TERRAIN LANDSCAPE ARCHITECTURE PC**
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0690

Lighting Designer: **S + S LIGHTING DESIGN**
121 Beachwood Rd., Summit, NJ 07901 908.272.1200

General Contracting: **MUESER RUTLEDGE CONSULTING ENGINEERS**
225 West 34th Street, New York, NY 10018 212.338.9300

- ### FIRE ALARM RISER REFERENCE NOTES
- FACP SHALL BE PROVIDED WITH FD J0542 KEY CYLINDER ON DOORS/COVERS OF CONTROL PANEL. SMOKE PURGE CONTROL AND VOICE COMMUNICATION CONTROL PANEL SHALL BE INTEGRAL TO FACP.
 - WIRING DIAGRAM & INSTRUCTIONS OF THE FIRE ALARM SYSTEM SHALL BE MOUNTED SECURELY INSIDE THE FACP OR MOUNTED OUTSIDE, FRAMED UNDER GLASS OR EQUIVALENT MATERIAL.
 - PROVIDE FIRE ALARM INTERFACE TERMINALS, CONTROL MODULES AS REQUIRED FOR SECURITY EQUIPMENT/DEVICES. SEE SECURITY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - TO CENTRAL STATION TIE-IN CONNECTION TO FDNY. PROVIDE TWO DEDICATED PHONE LINES AT THE TRANSMITTER.
 - SPEAKERS IN DWELLING UNITS AND EXIT STAIRS ARE PROVIDED FOR ONE WAY VOICE COMMUNICATION BETWEEN FIRE ALARM CONTROL PANEL (FACP) FOR USE BY FDNY PERSONNEL.
 - FOR LOCATIONS AND QUANTITIES OF FIRE ALARM DEVICES REFER TO FLOOR PLANS. COORDINATE EXACT DEVICE LOCATIONS WITH ARCHITECT.
 - ALL SPEAKERS SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM. INCLUDE REQUIRED WIRING FOR FUTURE INTERCONNECTION WITH DWELLING UNITS HOUSEHOLD WARNING SYSTEM IN ACCORDANCE WITH ICC/ANSI A117.1 AS FOR NYC BUILDING CODE.
 - PROVIDE MONITORING FOR ALARM, SUPERVISORY AND TROUBLE.
 - REQUIRED CONDUIT AND WIRING TO DEDICATED FUSE OUT IN FUSE OUT PANEL.
 - SEE DETAIL ON DWG FA001.00 FOR NORMAL AND EMERGENCY POWER SERVICE SUPPLY.
 - STROBES INSTALLED IN APARTMENTS DESIGNATED FOR THE VISUAL AND HEARING IMPAIRED WILL BE CONNECTED TO THE FIRE ALARM SYSTEM TO PROVIDE NOTIFICATION OF THE BUILDING FIRE ALARM AND TO THE SMOKE/CO DETECTOR IN THE APARTMENT.
 - TO RETAIL FIRE ALARM CONTROL PANEL (FACED UNDER DIFFERENT APPLICATION), MONITOR FOR ALARM, SUPERVISORY AND TROUBLE. PROVIDE CAPACITY FOR UP TO 10 RETAIL FIRE ALARM CONTROL PANEL.
 - CONTRACTOR SHALL PROVIDE PRICES FOR TEMPORARY DEVICES AND INTERCONNECTING HARDWARE FOR FUTURE RETAIL STAND ALONE FIRE ALARM PANELS.

- ### RISER NOTES:
- REFER TO REFERENCE NOTES ON DRAWING FA-018 FOR ADDITIONAL INFORMATION.
 - ALL DEVICES SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM.

1 TENANT FIRE ALARM RISER DIAGRAM SHEET 1 OF 2
NO SCALE

1 TENANT FIRE ALARM RISER DIAGRAM

NOT TO SCALE

DRAWING TITLE:
TENANT FIRE ALARM RISER DIAGRAM SHEET 1 OF 2

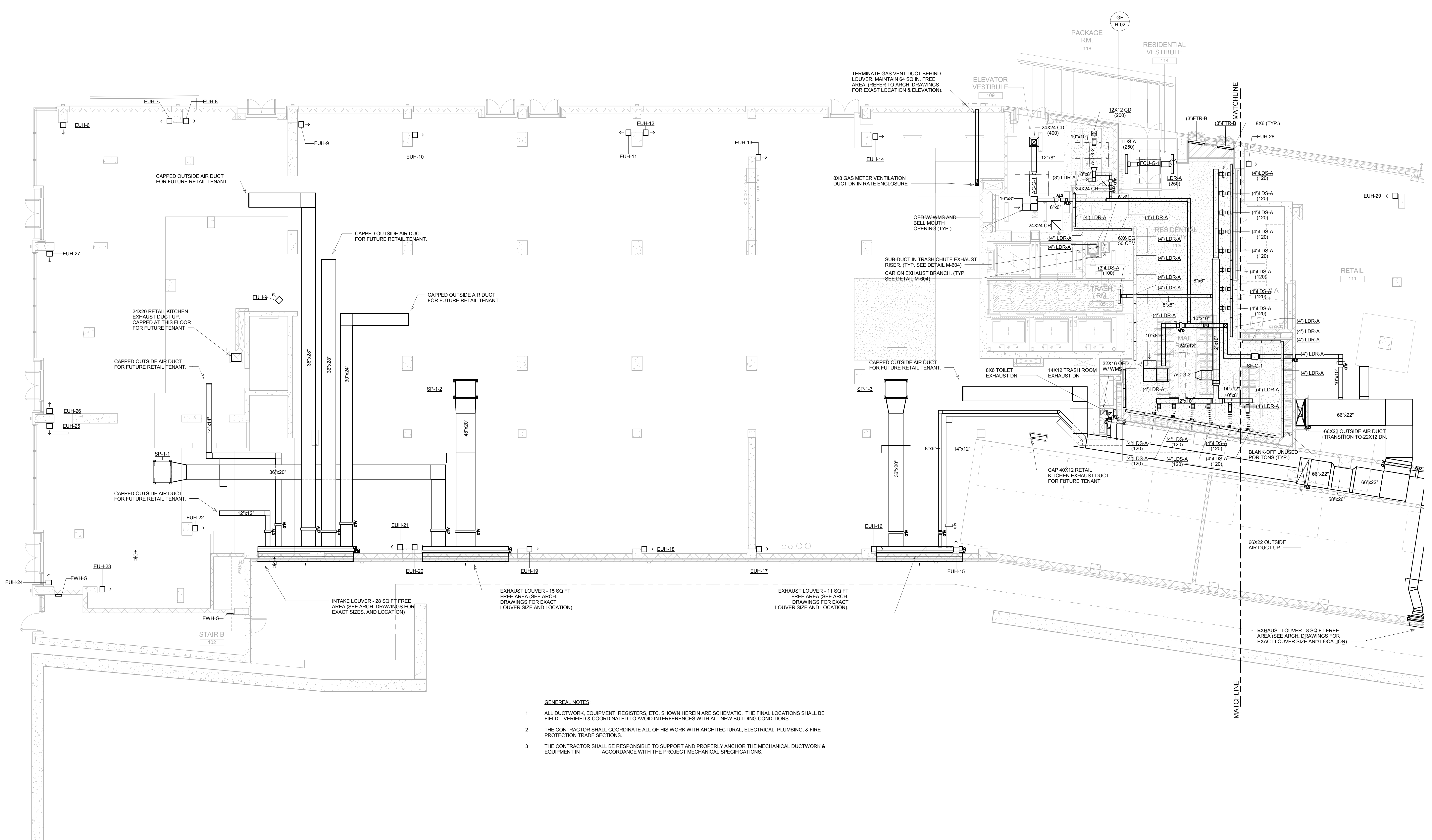
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Checked: IB
Reviewed: IB
Date: 08.15.2016

Project No.: 14015.L00
Coord File: FA-140.dwg
Drawing No.:
Date: 08.15.2016
Scale: NO SCALE

Sheet 15 of 17

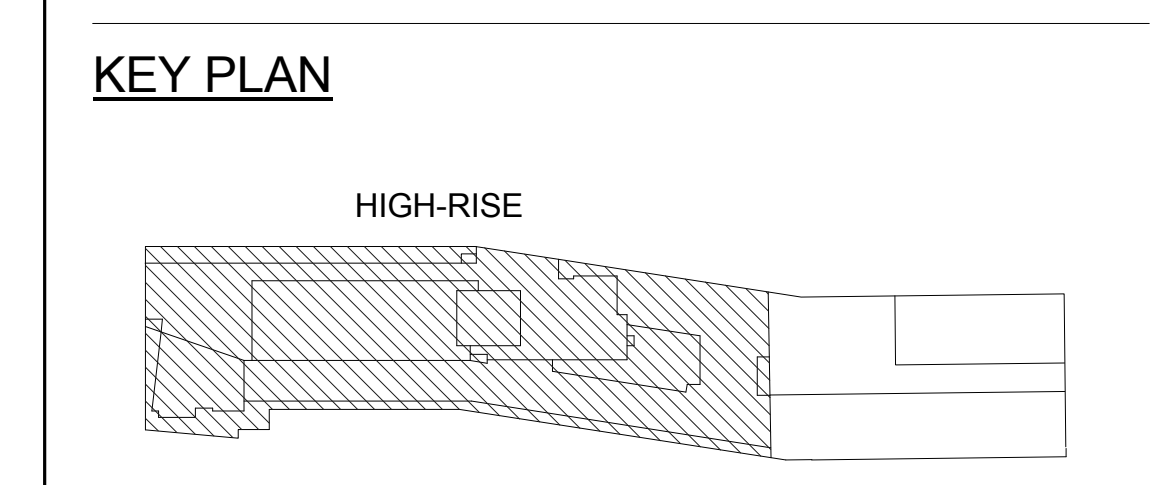
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GENERAL NOTES

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
 No. REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
 QUEENS, NY 11435

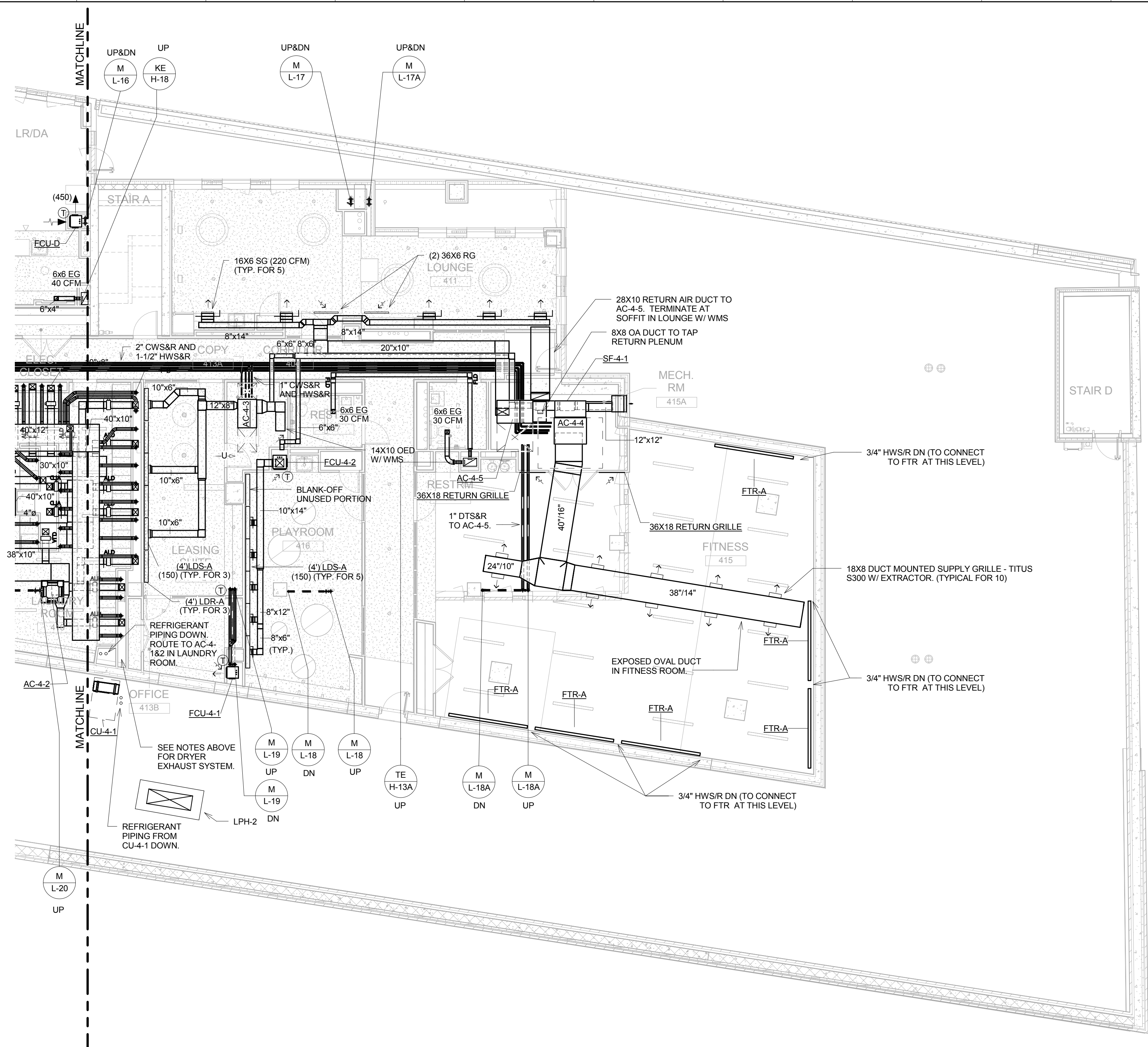
Owner:
CJ PLAZA ONE LLC
 767 Third Avenue, 33rd Floor
 New York, NY 10017 212.488.1750

FX FOWLE
 FOWLE ARCHITECTS, LLP | 120 WEST 59TH STREET, NEW YORK, NY 10019 | 212.488.1750 | WWW.FXFWOLE.COM

<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Co-ordinator and Fire Engineer: ENERGY CONCEPTS ARCHITECTURE, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520</p>	<p>Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant: VAN DUSEN & ASSOCIATES 100 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0590</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300</p>
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DRAWING TITLE:
GROUND FLOOR MECHANICAL HVAC PLAN - WEST

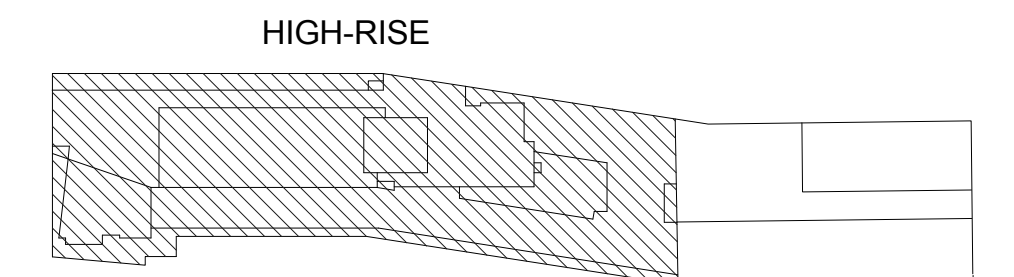
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- DRYER EXHAUST SYSTEM NOTES:**
1. PROVIDE CLEANOUT AT THE BASE OF THE EXHAUST RISER AND THE HORIZONTAL RUN BEFORE THE ELBOW. MINIMUM FINISH SIZE OF THE ACCESS DOOR TO BE 12"X12".
 2. ENTIRE EXHAUST DUCTWORK SYSTEM TO BE FLANGED CONNECTION.
 3. EXHAUST DUCT SHALL NOT BE CONNECTED OR INSTALLED WITH SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE EXHAUST FLOW.
 4. MAXIMUM LENGTH OF THE TRANSITION DUCT SHALL BE SINGLE LENGTH AND SHALL NOT BE MORE THAN 8 FEET. MECHANICAL CONTRACTOR TO COORDINATE THE EXTENT OF THE EXHAUST BRANCH TO THE DRYER SUCH THAT TRANSITION DUCT LENGTH DOES NOT EXCEED 8'.
 5. TRANSITION DUCT LENGTH SHALL BE LISTED & LABELED IN ACCORDANCE WITH UL2158A.
 6. TRANSITION DUCT SHALL NOT BE CONCEALED.

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KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID
DOB SUBMISSION

REVISIONS / SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE

FX FOWLE ARCHITECTS, LLP 122 WEST 10TH STREET, NEW YORK, NY 10011 212.621.1700 / 212.483.6716 / WWW.FXFWLE.COM

Principal Engineer: **WSP**
226 East 45th Street, New York, NY 10017 212.687.8888

Architect/Contractor: **LONGMAN LINDSEY**
1410 Broadway, Suite 506, New York, NY 10018 212.515.6600

Mechanical, Electrical, Plumbing and Fire Protection Engineer: **ICOR ASSOCIATES**
4865 Route 1 South, Suite 200, Teaneck, NJ 07659 908.272.3300

Vertical Transportation Consultant: **VAN DEUSEN & ASSOCIATES**
120 Edge Rock Avenue, Suite 310, East Hanover, NJ 07936 973.994.9220

Site/Construction Engineer: **ENERGY CONCEPTS ARCHITECTURE P.C.**
25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.0544

Lighting Designer: **S + S LIGHTING DESIGN**
121 East 45th Street, New York, NY 10017 908.273.1520

Interior Designer: **TERRAIN LANDSCAPE ARCHITECTURE PC**
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0690

Structural Engineer: **MUESER RUTLEDGE CONSULTING ENGINEERS**
121 East 45th Street, New York, NY 10017 917.338.9300

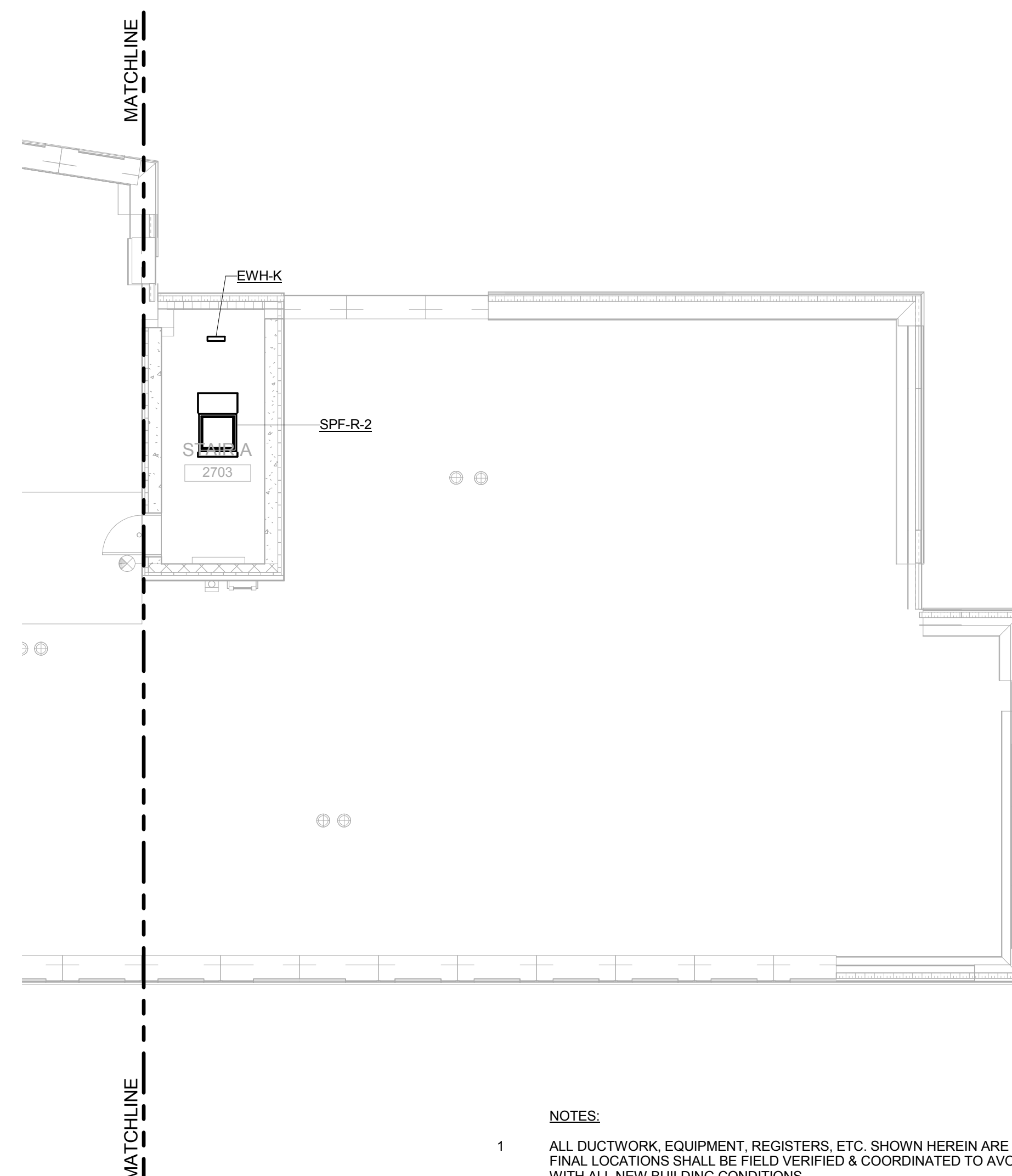
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4TH FLOOR MECHANICAL PLAN

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Reviewed:	IB	Drawing No.:	M-206.00
Date:	08/15/16	Scale:	1/8" = 1'-0"
Sheet:	7 of 39		

2 4TH FLOOR MECHANICAL PLAN - EAST
1/8" = 1'-0"

1 4TH FLOOR MECHANICAL PLAN - WEST
1/8" = 1'-0"

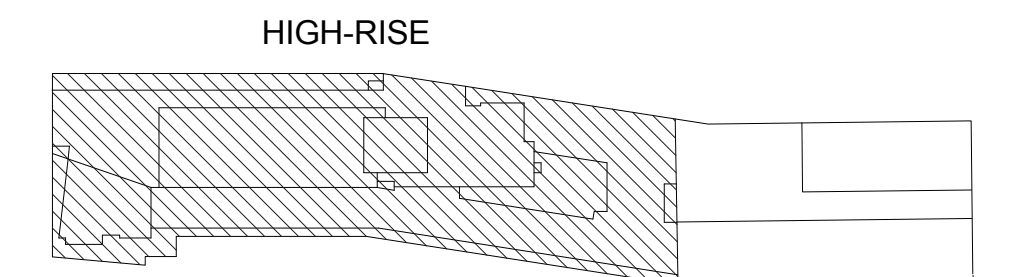
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KEY PLAN



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REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

OWNER:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

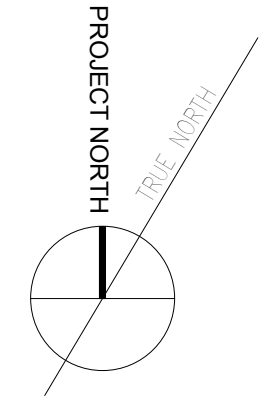
FX FOWLE

FX FOWLE ARCHITECTS, LLP | 120 WEST 57TH STREET | NEW YORK, NY 10019 | 212.488.1750 | WWW.FXFWLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10002 212.537.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520 908.272.3300	Vertical Transportation Consultant: VAN DUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220
Civil/Construction Per Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6600
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	Electrical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9330

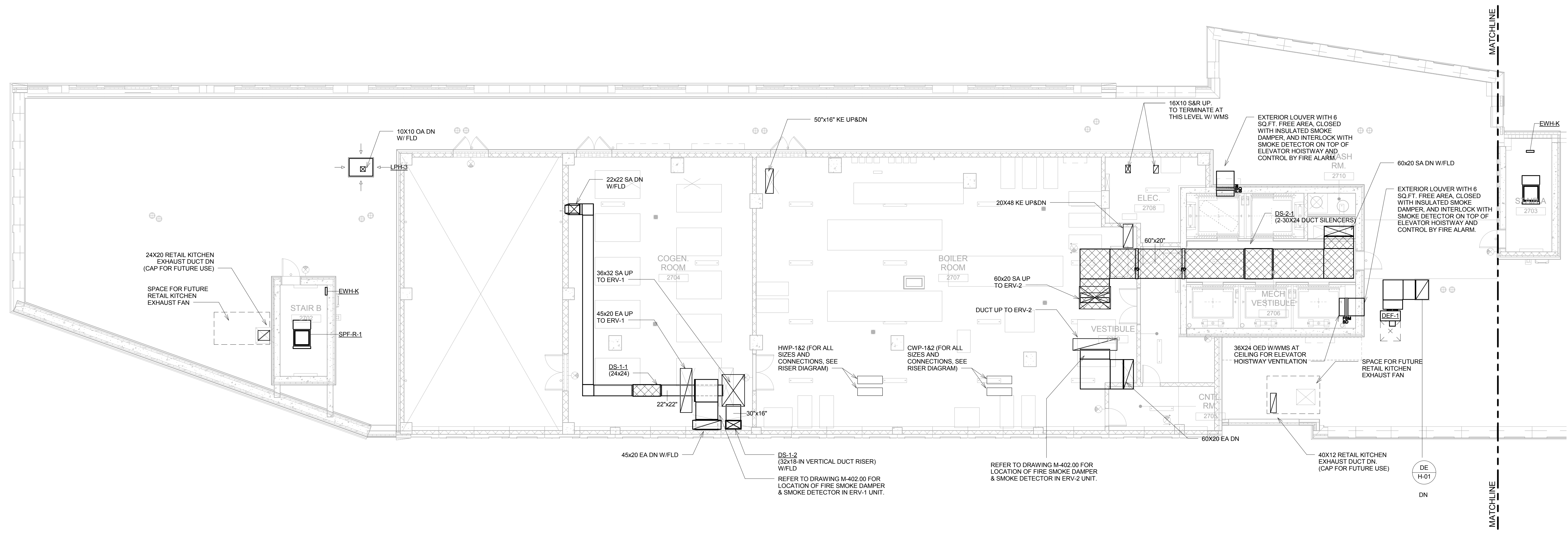
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29TH FLOOR (MECHANICAL) MECHANICAL HVAC PLAN

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2 29TH FLOOR (MECHANICAL) MECHANICAL HVAC PLAN - EAST

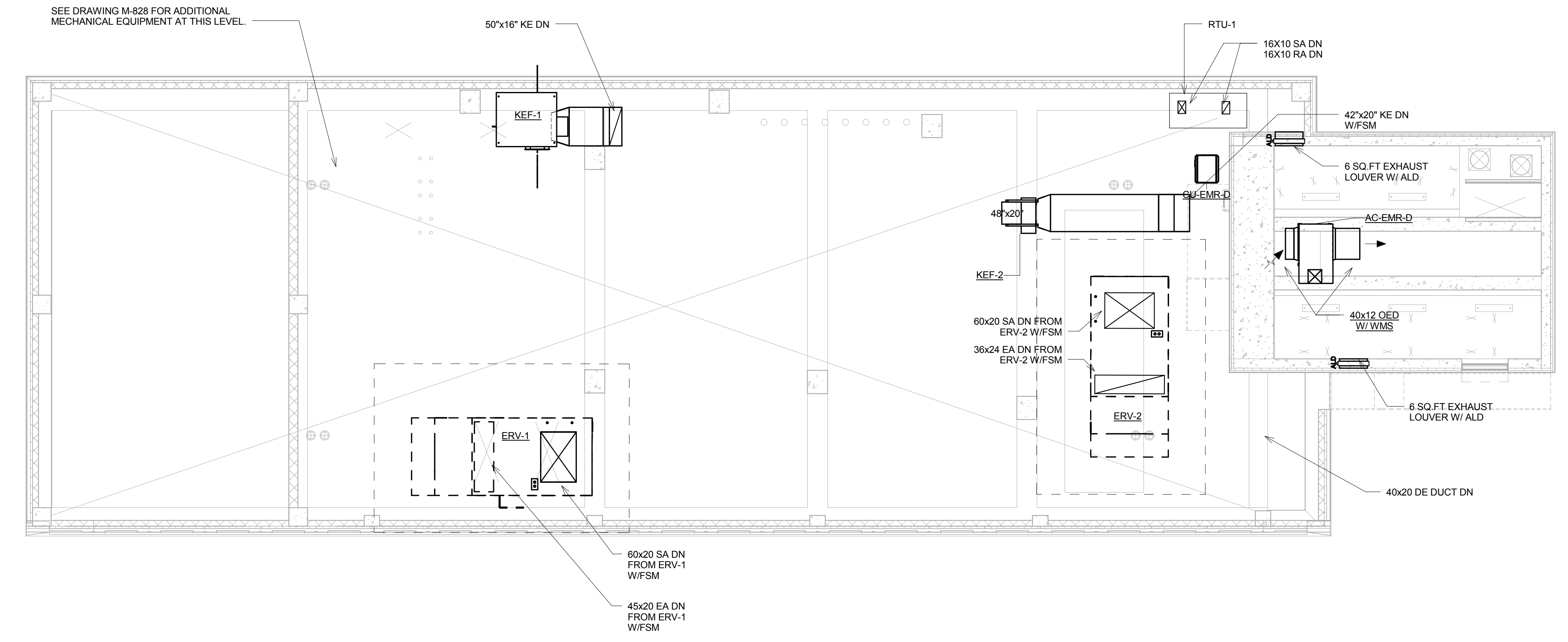
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1 29TH FLOOR (MECHANICAL) MECHANICAL HVAC PLAN - WEST

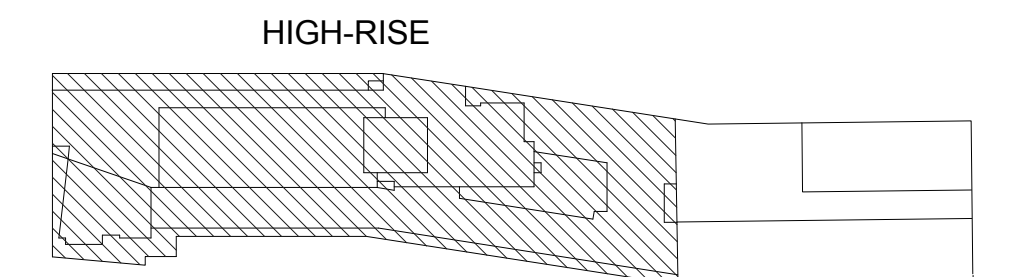
1/8" = 1'-0"

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KEY PLAN



NOT FOR CONSTRUCTION

NO.	REVISIONS / SUBMISSIONS	DATE
	ISSUED FOR BID	08.15.2016

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP | 122 WEST 59TH STREET | NEW YORK, NY 10019 | 212.637.1700 | 212.483.8716 | WWW.FXFWOLE.COM

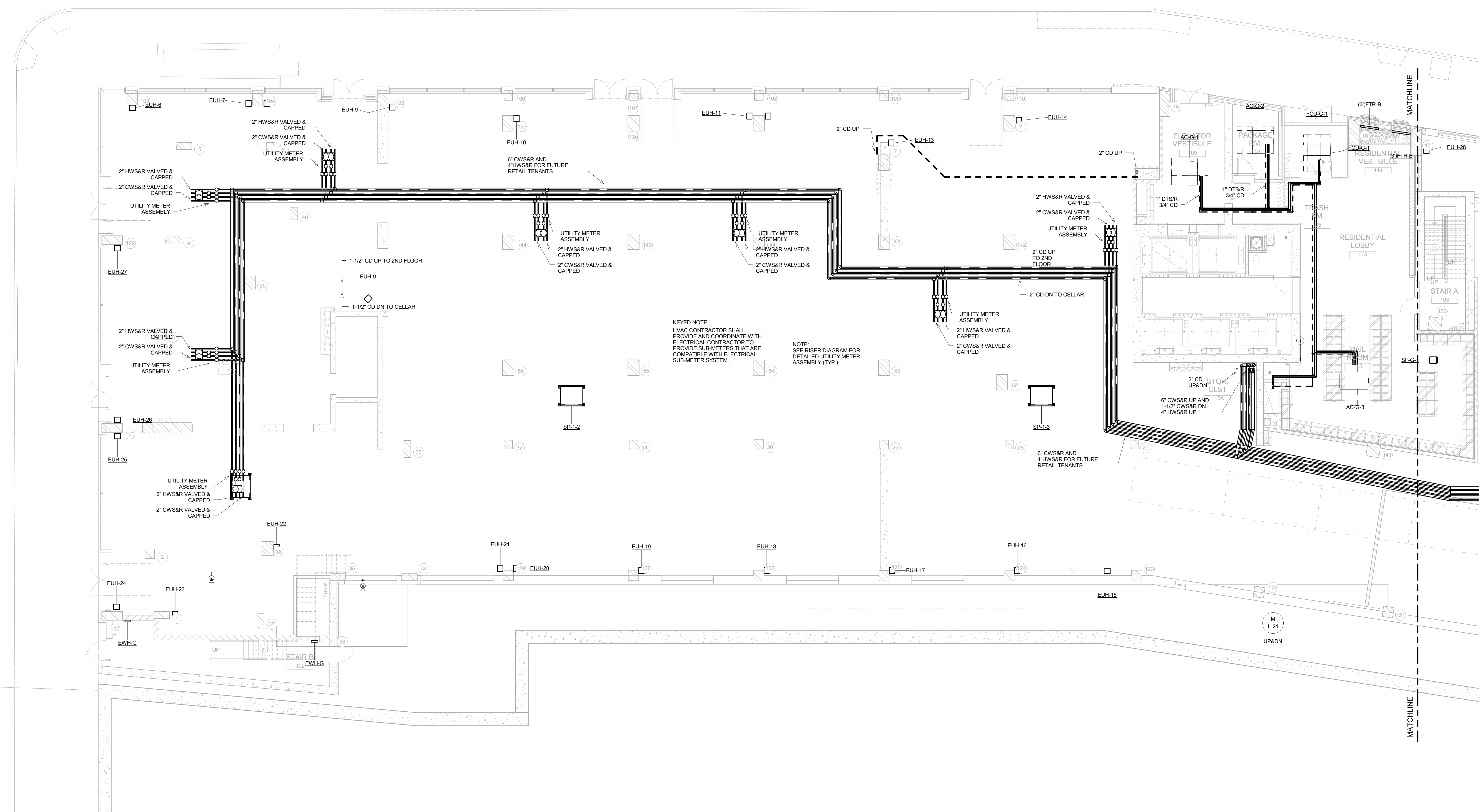
<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Civil/Structural Peer Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Rd, Summit, NJ 07901 908.273.1520</p>	<p>Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300</p>
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DRAWING TITLE:
30TH FLOOR (MECH. MEZZANINE & EMR) MECHANICAL HVAC PLAN

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	Date: 08/15/16	
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M-214.00

1 30TH FLOOR (MECH. MEZZANINE AND EMR) MECHANICAL HVAC PLAN

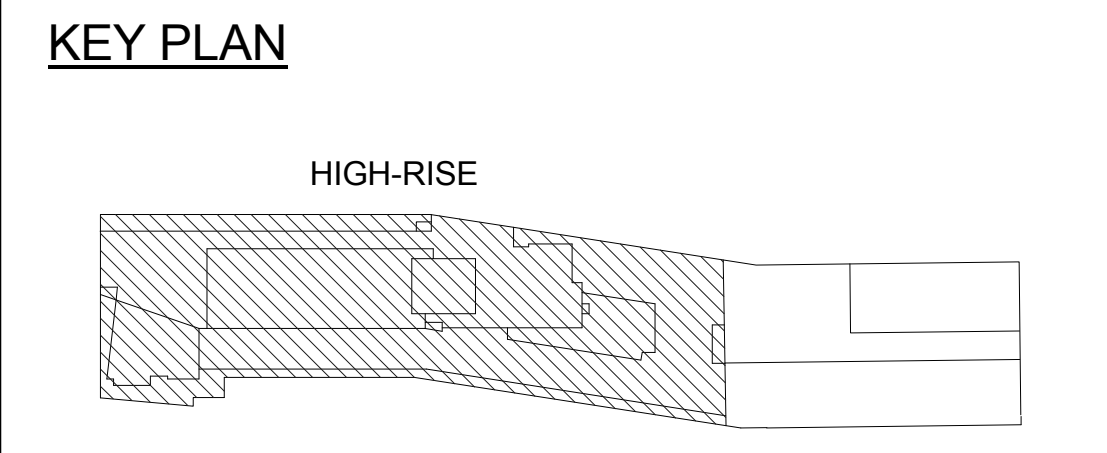


KEYED NOTE:
 HVAC CONTRACTOR SHALL PROVIDE AND COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE SUBMETERS THAT ARE COMPATIBLE WITH ELECTRICAL SUB-METER SYSTEM.

NOTE:
 SEE RISER DIAGRAM FOR DETAILED UTILITY METER ASSEMBLY (TYP.)

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THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
 QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
 767 Third Avenue, 33rd Floor
 New York, NY 10017 212.488.1750

- Architect: **FX FOWLE**
 FX FOWLE ARCHITECTS, LLP | 122 WEST 59TH STREET | NEW YORK, NY 10011 | 212.637.1700 | 212.483.8716 | WWW.FXFOWLE.COM
- | | |
|---|--|
| Structural Engineer:
WSP
228 East 45th Street, New York, NY 10017 212.687.8888 | Architect's Consultant:
LONGMAN LINDSEY
1410 Broadway, Suite 506, New York, NY 10018 212.515.6600 |
| Mechanical, Electrical, Plumbing and Fire Protection Engineer:
ICOR ASSOCIATES
4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300 | Vertical Transportation Consultant:
VAN LUSEN & ASSOCIATES
120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220 |
| Civil/Structural Peer Engineer:
ENERGY CONCEPTS ENGINEERING, P.C.
25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754 | Landscape Architect:
TERRAIN LANDSCAPE ARCHITECTURE P.C.
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0990 |
| Lighting Designer:
S + S LIGHTING DESIGN
121 Beachwood Drive, Summit, NJ 07901 908.273.1520 | Geotechnical Engineer:
MUESER RUTLEDGE CONSULTING ENGINEERS
225 West 54th Street, New York, NY 10122 917.339.9300 |

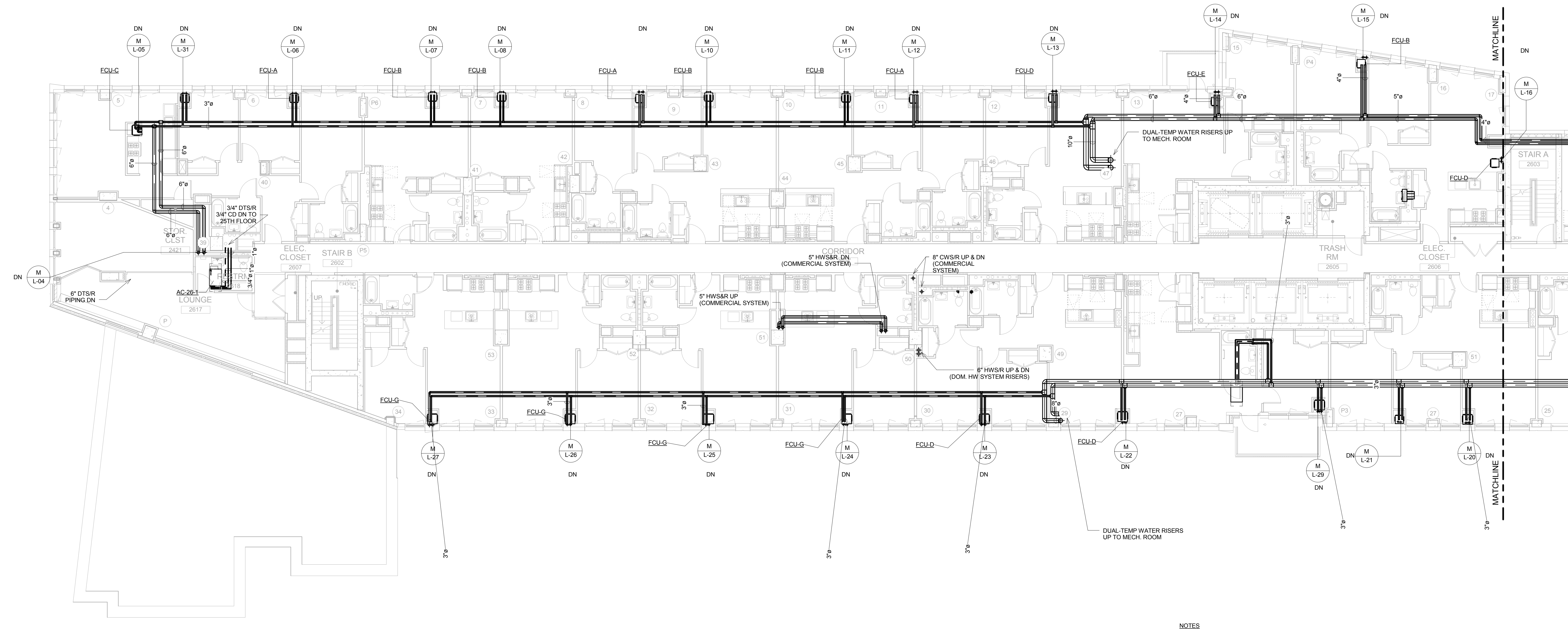
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GROUND FLOOR MECHANICAL PIPING PLAN - WEST

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	Date: 08/15/16	
	Scale: 1/8" = 1'-0"	
		Sheet 16 of 39

M-301.00

2 28TH FLOOR MECHANICAL PIPING PLAN - EAST

1/8" = 1'-0"

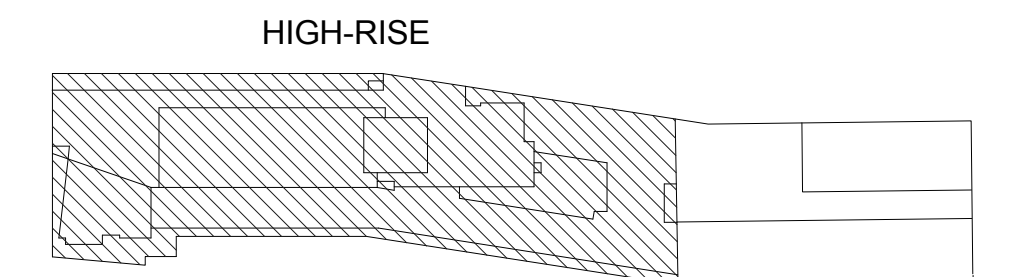


- NOTES**
- REFER TO DWG. M-308.00 FOR CONTINUATION OF PIPING SYSTEM RISERS UP THROUGH THE MECH. FLOOR SLAB.
 - REFER TO PLAN 1 ON THIS DWG. FOR CONTINUATION OF PIPING SYSTEM RISERS DOWN THROUGH THE 28TH FLOOR SLAB.

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KEY PLAN



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THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP | 120 WEST 57TH STREET | NEW YORK, NY 10019 | 212.488.1750 | WWW.FXFWOLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08850 908.272.3300	Vertical Transportation Consultant: VAN DUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 310, East Hanover, NJ 07956 973.994.9220
Civil/Construction Perimeter Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0090
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300

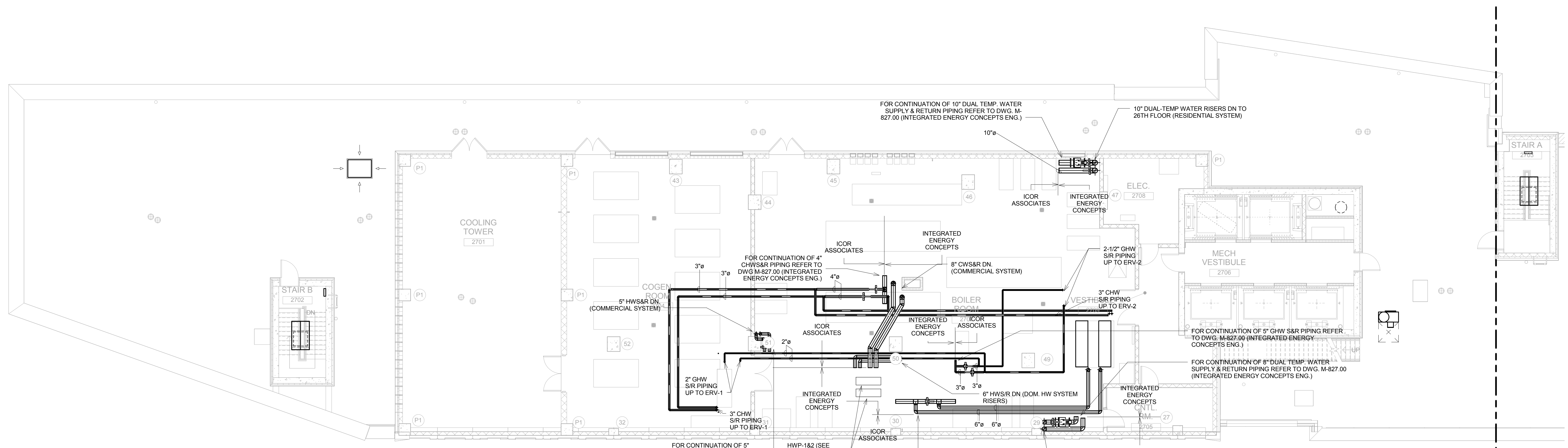
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Reviewed: IB	Drawing No.:
Date: 08/15/16	Sheet 19 of 39
Scale: 1/8" = 1'-0"	

M-304.00

2 29TH FLOOR (MECHANICAL) MECHANICAL PIPING PLAN - EAST

1/8" = 1'-0"



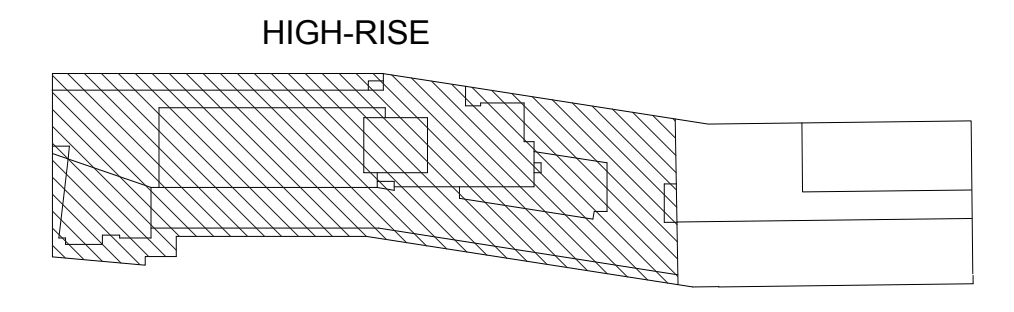
1 29TH FLOOR (MECHANICAL) MECHANICAL PIPING PLAN - WEST

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KEY PLAN



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147-40 ARCHER AVENUE
 QUEENS, NY 11435

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 FOWLE ARCHITECTS, LLP | 120 WEST 57TH STREET | NEW YORK, NY 10019 | 212.488.1750 | WWW.FXFWLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, Hasbrouck, NJ 08830 908.272.3300	Vertical Transportation Consultant: VAN DUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220
Civil/Construction Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300

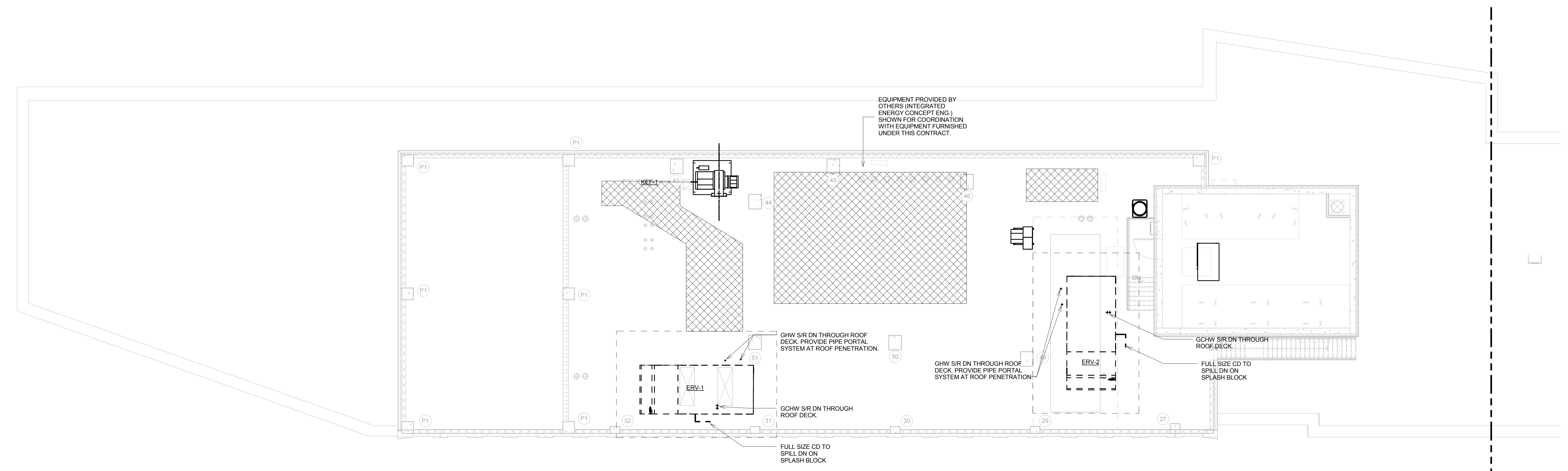
DRAWING TITLE:
29TH FLOOR (MECHANICAL) MECHANICAL PIPING PLAN

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	Reviewed: IB	Drawing No.:
	Date: 08/15/16	
	Scale: 1/8" = 1'-0"	
		Sheet 20 of 39

M-305.00



2 30TH FLOOR (MECH. MEZZANINE AND EMR) MECHANICAL PIPING PLAN - EAST
1/8" = 1'-0"

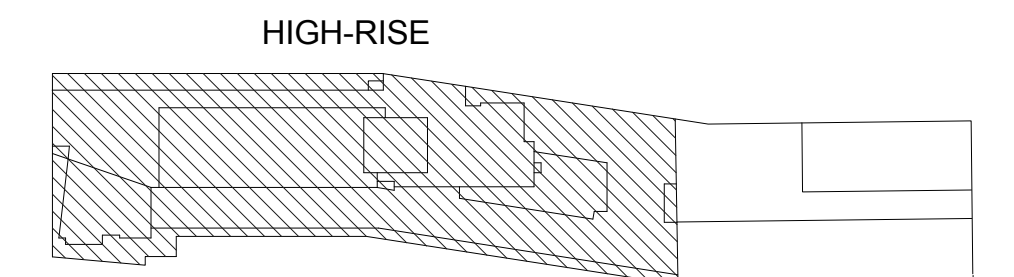


1 30TH FLOOR (MECH. MEZZANINE AND EMR) MECHANICAL PIPING PLAN - WEST
1/8" = 1'-0"

* 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.

ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

NO.	REVISIONS / SUBMISSIONS	DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

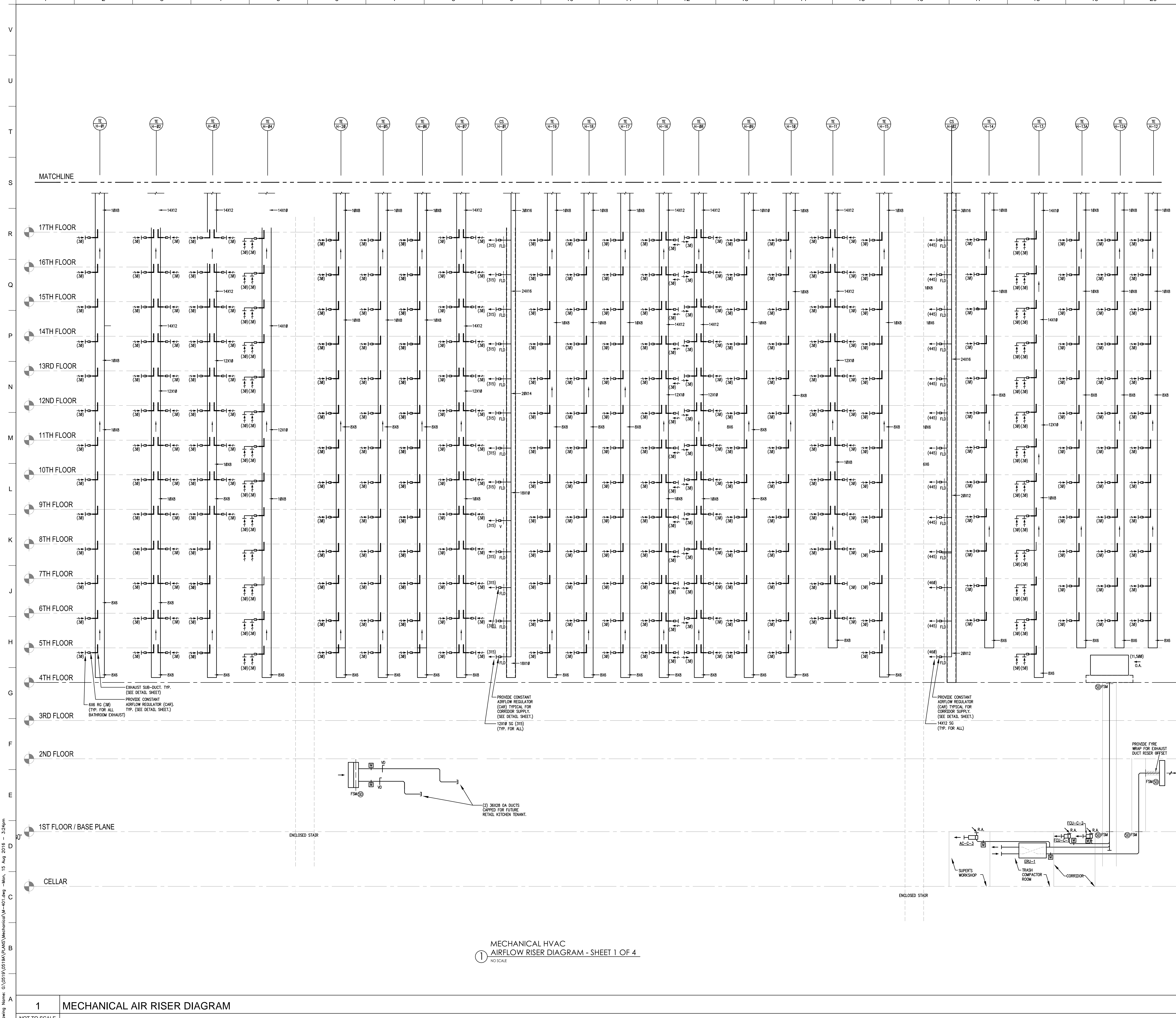
FX FOWLE	
<small>FX FOWLE ARCHITECTS, LLP 122 WEST 89TH STREET NEW YORK, NY 10011 212 621 1700 / 212 483 8716 WWW.FX FOWLE.COM</small>	<small>ARCHITECT</small>
<small>MECHANICAL ENGINEER</small> WSP 228 East 45th Street, New York, NY 10017 212.687.8888	<small>ARCHITECT CONSULTANT</small> LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600
<small>MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER</small> ICOR ASSOCIATES 4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300	<small>VERTICAL TRANSPORTATION CONSULTANT</small> VAN DUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220
<small>COORDINATION PER ENGINEER</small> ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754	<small>LANDSCAPE ARCHITECT</small> TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500
<small>LIGHTING DESIGNER</small> S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	<small>MECHANICAL ENGINEER</small> MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300

DRAWING TITLE:
30TH FLOOR (MECH. MEZZANINE & EMR) MECHANICAL PIPING PLAN

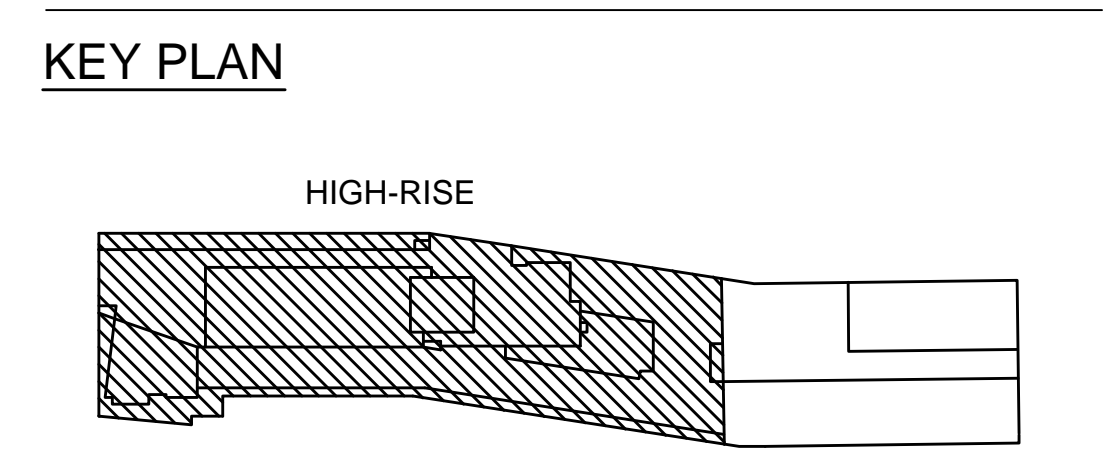
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Scale: 1/8" = 1'-0"	Sheet 21 of 39	

M-306.00

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD.88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
 NO. REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING
 147-40 ARCHER AVENUE
 QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
 767 Third Avenue, 33rd Floor
 New York, NY 10017 212.488.1750

FX FOWLE
 FX FOWLE ARCHITECTS, LLP | 20 WEST 16TH STREET, NEW YORK, NY 10011 | P 212.687.1700 | F 212.488.8716 | WWW.FX FOWLE.COM

Structural Engineer WSP 230 East 45th Street, New York, NY 10017 212.687.8888	Architect Consultant LONGMAN LINDSEY 1410 Broadway, Suite 500, New York, NY 10018 212.515.6400
Mechanical, Electrical, Plumbing and Fire Protection Consultant ICOR ASSOCIATES 450C Route 1 South, Suite 200, Rahway, NJ 08850 908.272.3300	Vertical Transportation Consultant VAN DEUSEN & ASSOCIATES 125 Eighth Road, Suite 310, East Rutherford, NJ 07076 973.984.9220
Construction Consultant ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 802, Brooklyn, NY 11201 718.703.5754	Construction Consultant TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6060
Lighting Designer S + S LIGHTING DESIGN 171 Beachwood Rd., Summit, NJ 07901 908.273.1100	General Contractor MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.389.9500

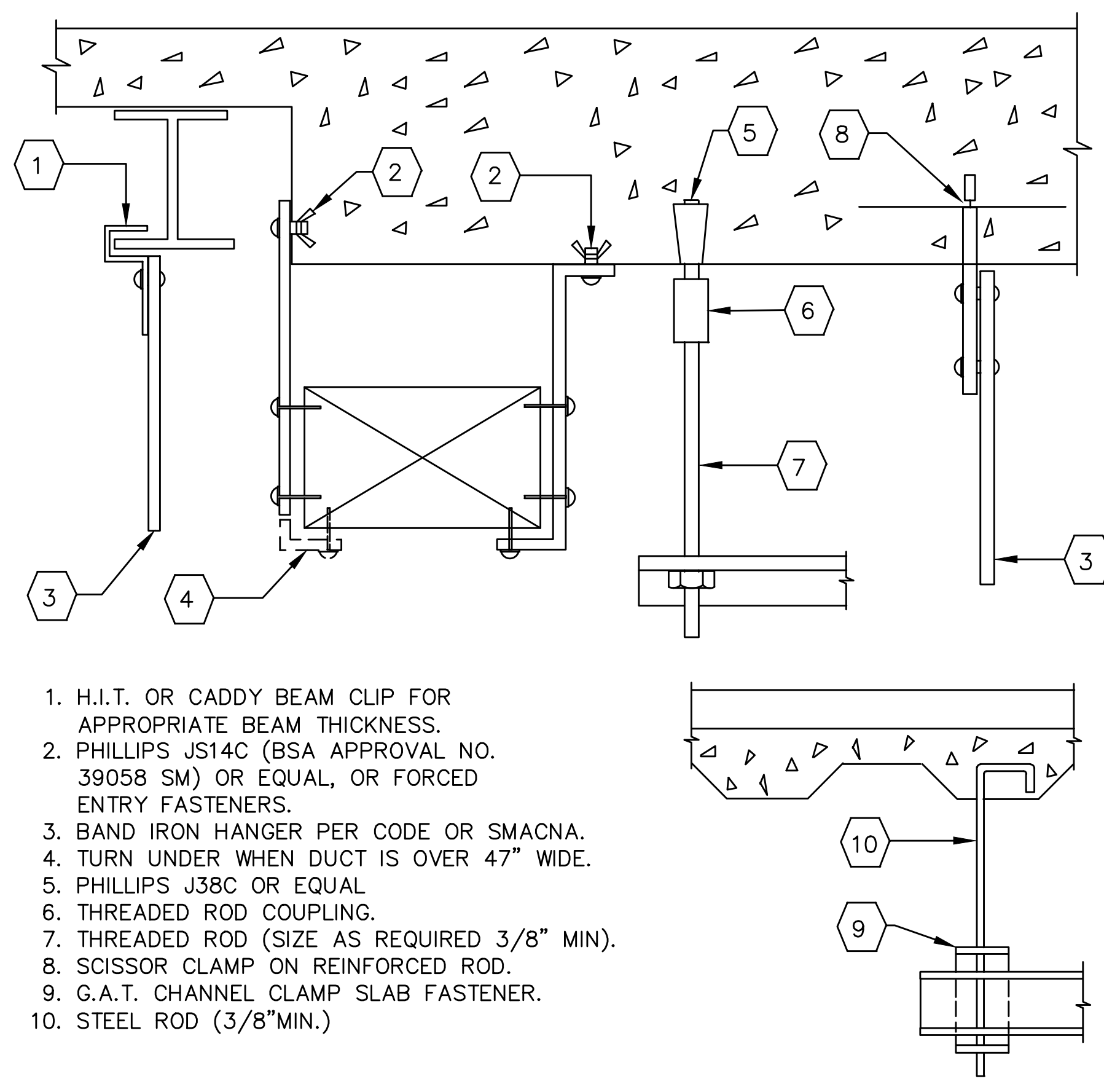
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	Reviewed:	Drawing No.:	
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MECHANICAL HVAC
 AIRFLOW RISER DIAGRAM - SHEET 1 OF 4
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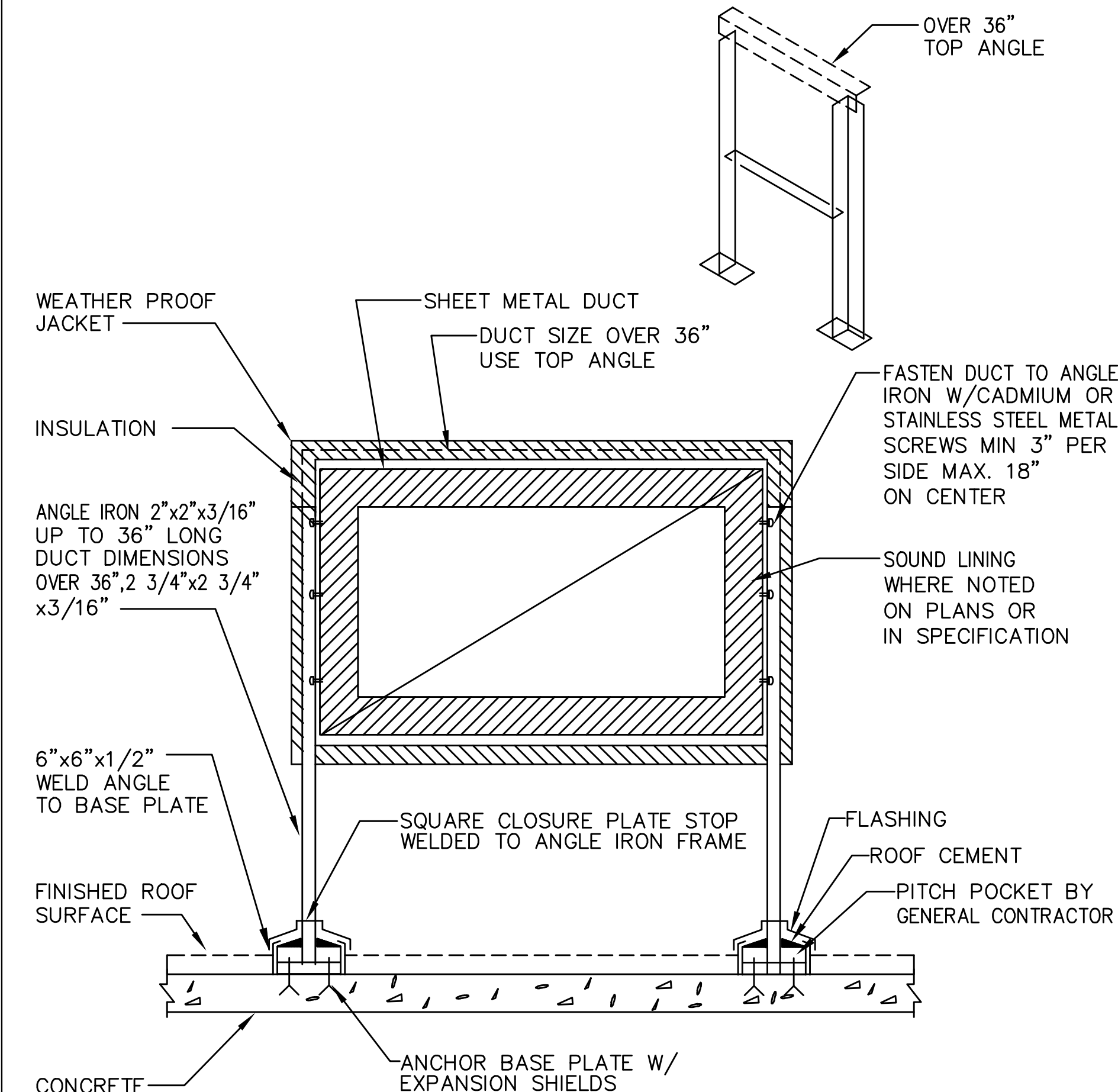
1 MECHANICAL AIR RISER DIAGRAM
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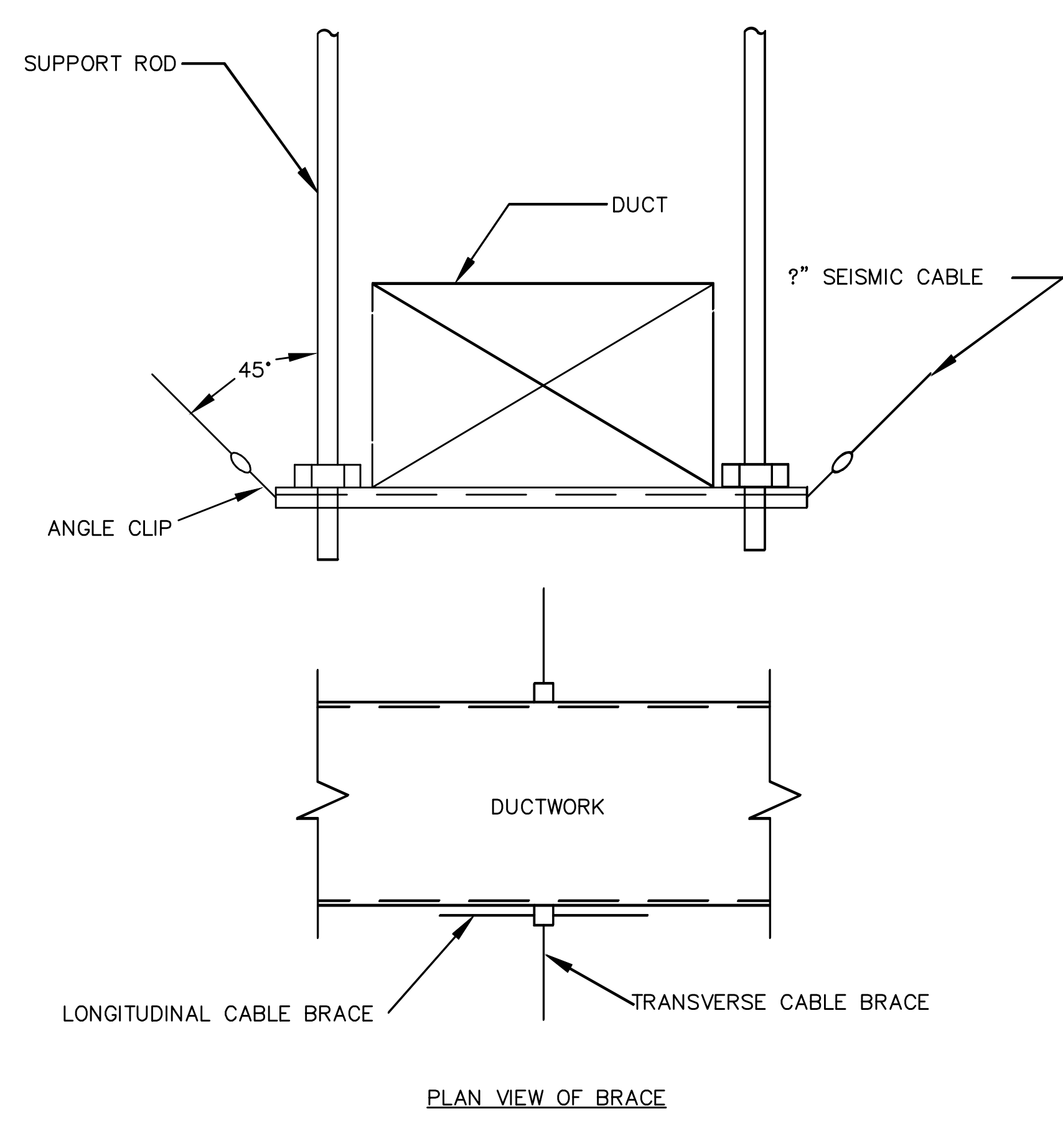


METHOD OF HANGING DUCTWORK
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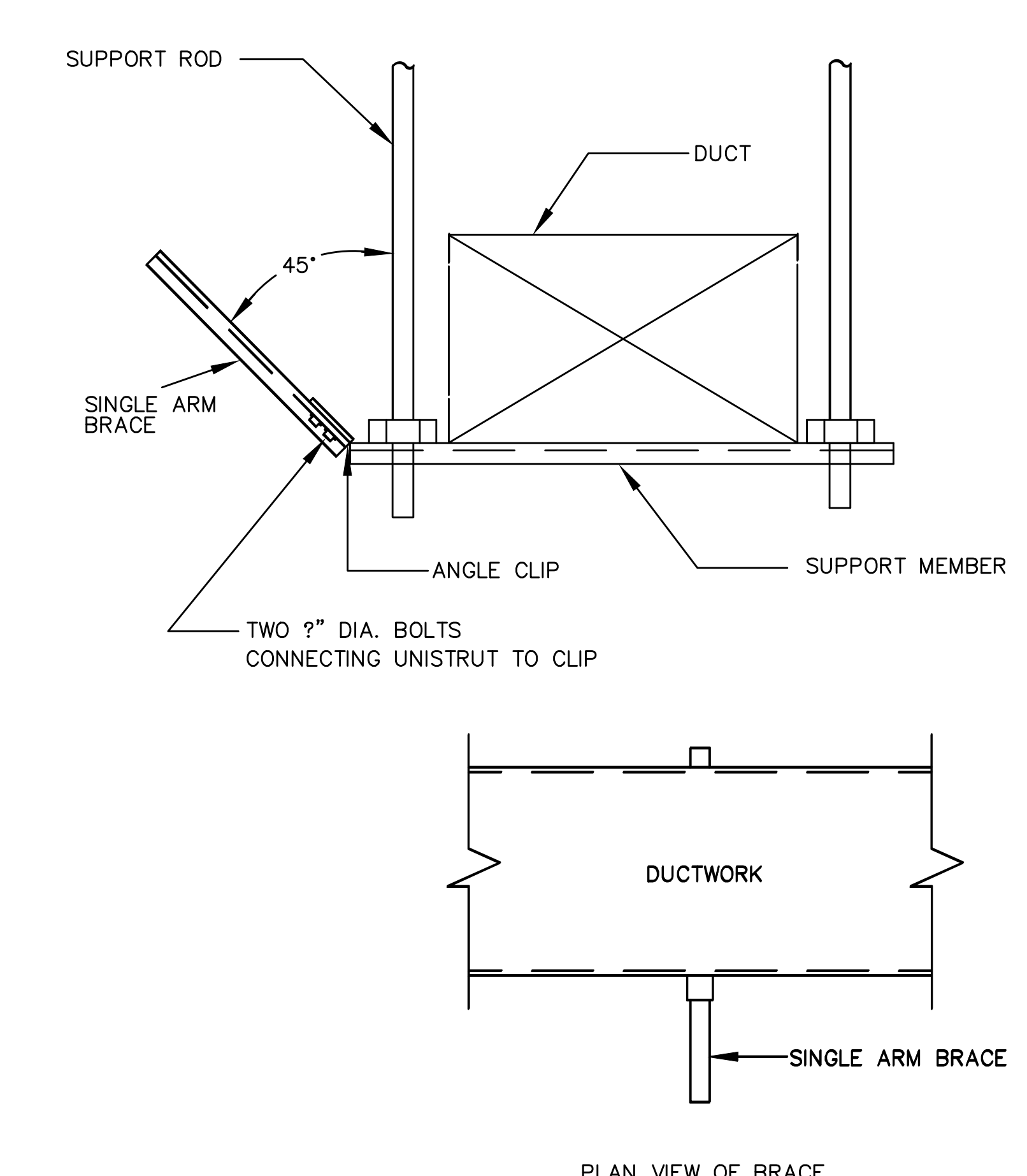
- H.I.T. OR CADDY BEAM CLIP FOR APPROPRIATE BEAM THICKNESS.
- PHILLIPS J314C (BSA APPROVAL NO. 3905B SM) OR EQUAL, OR FORGED ENTRY FASTENERS.
- BAND IRON HANGER PER CODE OR SMACNA.
- TURN UNDER WHEN DUCT IS OVER 47" WIDE.
- PHILLIPS J38C OR EQUAL.
- THREADED ROD COUPLING.
- THREADED ROD (SIZE AS REQUIRED 3/8" MIN).
- SCISSOR CLAMP ON REINFORCED ROD.
- G.A.T. CHANNEL CLAMP SLAB FASTENER.
- STEEL ROD (3/8" MIN).



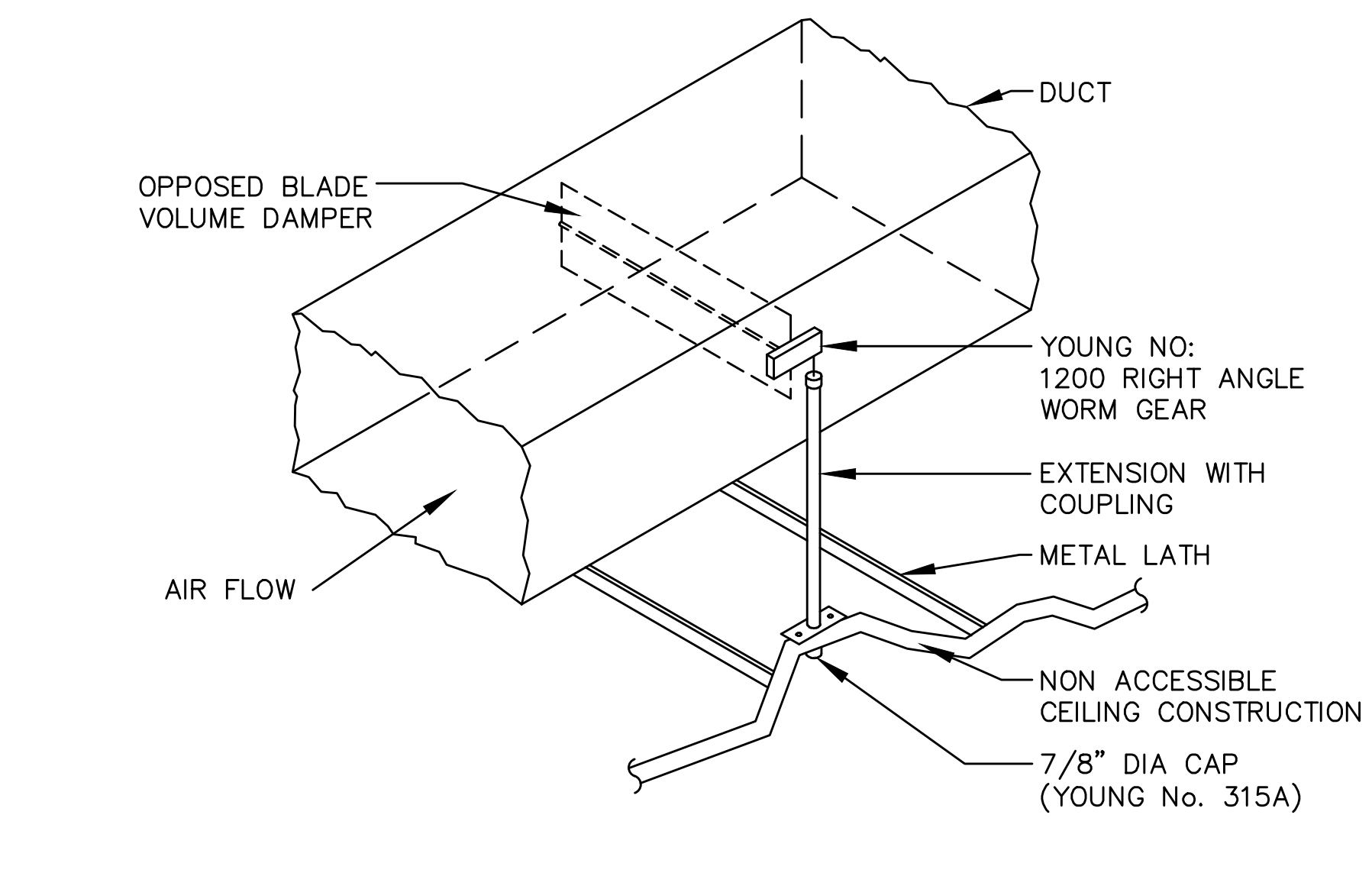
DETAIL OF SUPPORT AND INSULATION FOR ROOF MOUNTED DUCTWORK
NOT TO SCALE



TRANSVERSE AND LONGITUDINAL CABLE BRACE FOR DUCT
NOT TO SCALE



SINGLE ARM BRACE FOR DUCT
NOT TO SCALE



VOLUME CONTROL DAMPER
NOT TO SCALE

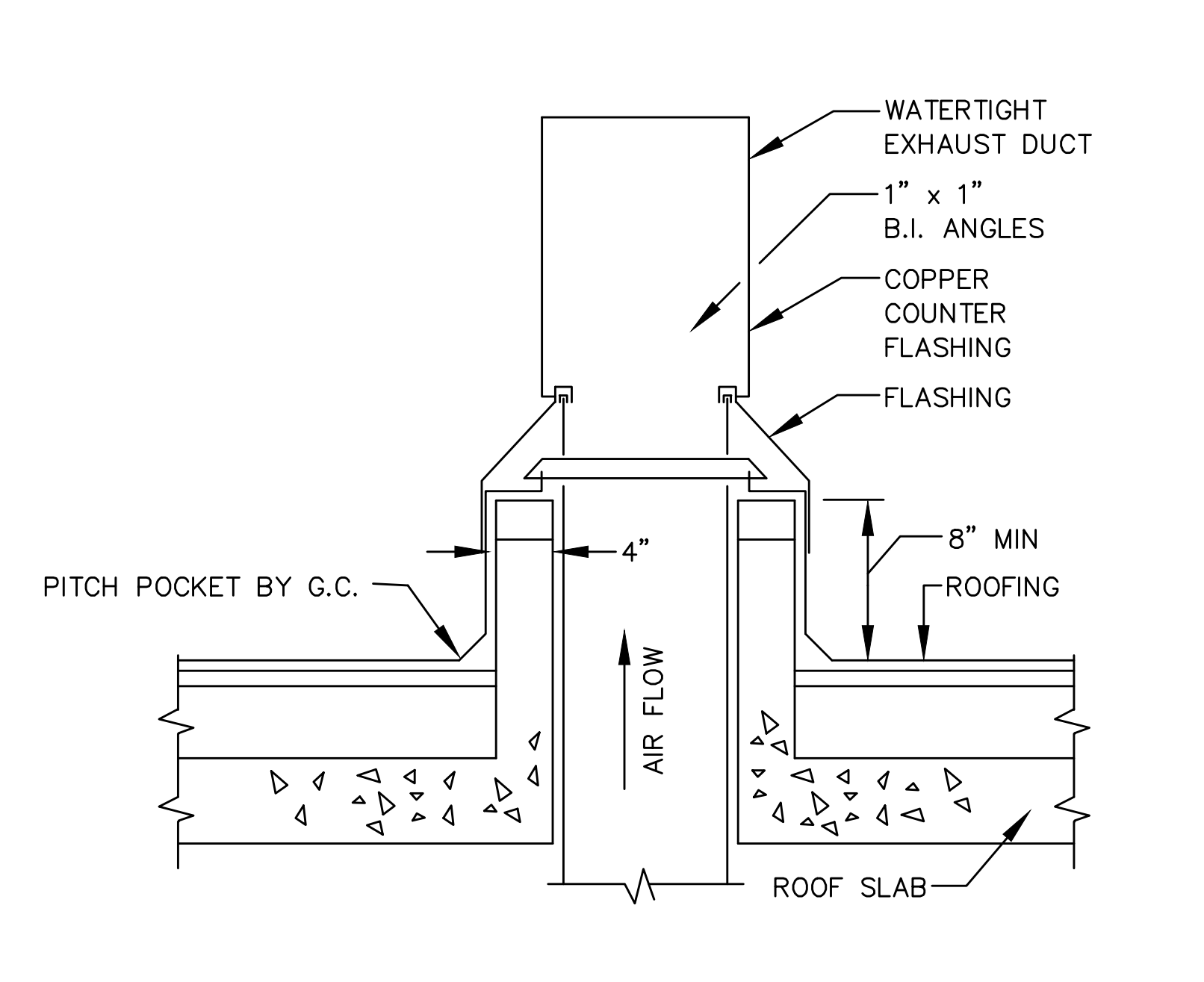
- NOTES:**
- WHEN DAMPER IS LOCATED WITHIN 10' OF A DIFFUSER, OR WITHIN A LOBBY OR SPECIALTY SPACE (COORDINATE WITH ARCHITECT), VOLUME DAMPER ASSEMBLY SHALL BE OPERABLE THROUGH FACE OF NEAREST DIFFUSER, BY MEANS OF FLEXIBLE-CABLE BASED ON BOWDEN REMOTE CABLE CONTROL SYSTEM WITH YOUNG REGULATOR.
 - ALL OTHER NON-ACCESSIBLE CEILING AREAS SHALL BE AS INDICATED.

WHERE DUCTWORK IS SHOWN SINGLE LINE, FOLLOWING SHALL APPLY FOR ACTUAL DUCT CONSTR.	
SINGLE LINE	ACTUAL CONSTRUCTION
TEE	VOLUME DAMPER
CONVERGING AIR DIVERGING	SINGLE BLADE TURNING VANES (EITHER TYPE ELBOW AT CONTR. OPTION-SUBJECT TO SPACE CONDITIONS). VANES SHALL BE WELDED TO RUNNERS. USE LARGE RADIUS VANES. MAXIMUM UNSUPPORTED VANE LENGTH SHALL NOT EXCEED 36".
ELBOW	SINGLE BLADE TURNING VANES
(BRANCH AIR FLOW 25% OR HIGHER)	A, B SHALL BE PROPORTIONAL TO AIR QUANTITY, 4" (10cm) MIN. IF A OR B IS LESS THAN 4" (10cm), USE TAP DETAIL. VOLUME DAMPER IN SHORTER BRANCH.
SPLIT OR TAKE-OFF	SIDE TAP BRANCH SHALL BE LIMITED TO 25% OF MAIN AIR FLOW
(BRANCH TAP 25% OR OR LESS AIR FLOW)	TAP TAKE-OFF
RISE OR DROP	OFFSET IN VERTICAL PLANE SHALL BE MADE WITH SMOOTH FITTINGS AND HAVE EQUAL CROSS SECTIONAL AREAS.

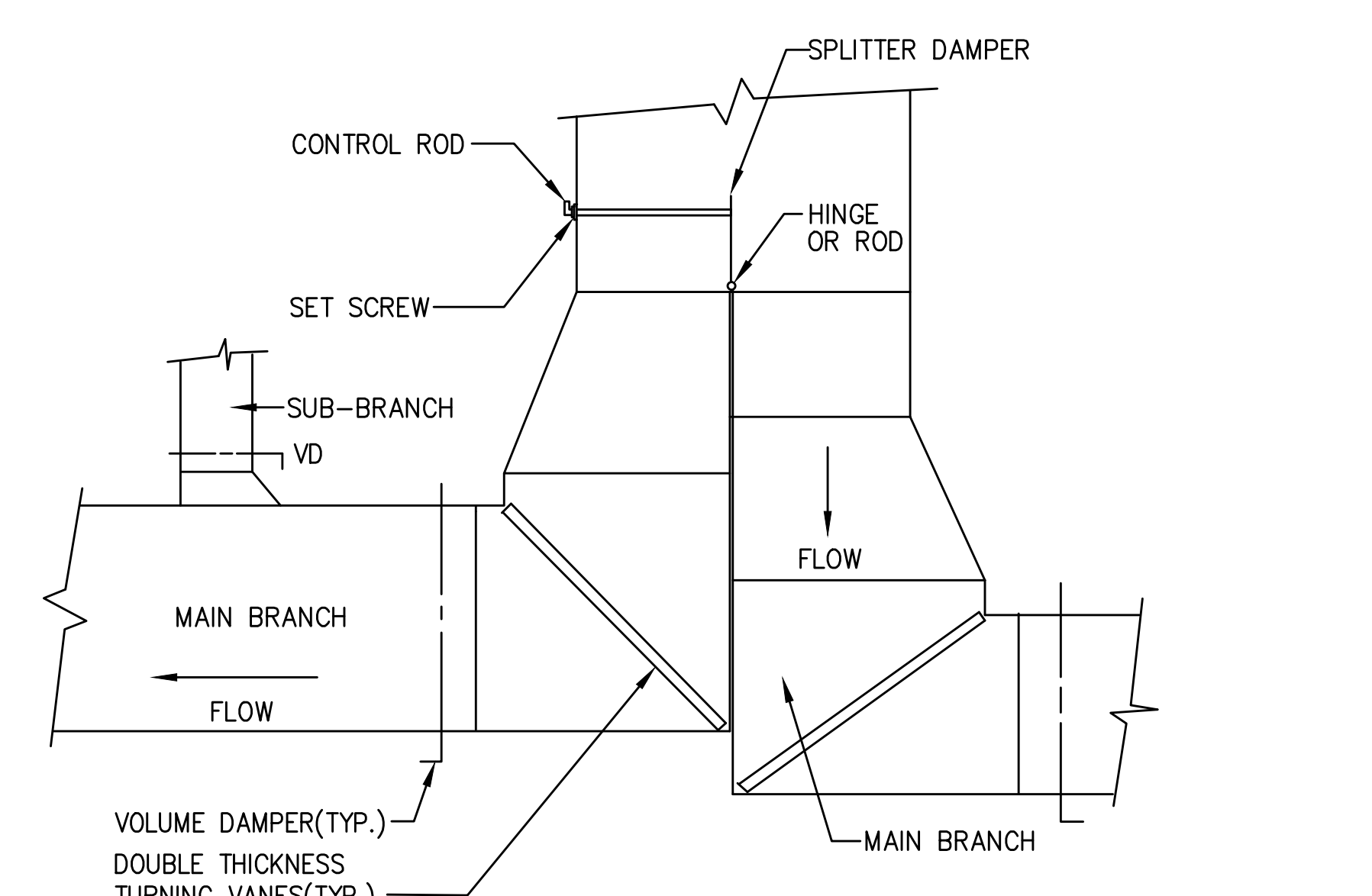
INTERPRETATION OF SINGLE LINE DUCTWORK
NOT TO SCALE

WHERE DUCTWORK IS SHOWN SINGLE LINE, FOLLOWING SHALL APPLY FOR ACTUAL DUCT CONSTR.	
SINGLE LINE	ACTUAL CONSTRUCTION
HORIZONTAL OFFSET	OFFSET IN HORIZONTAL PLANE SHALL BE MADE WITH SMOOTH FITTINGS AND HAVE EQUAL CROSS SECTIONAL AREAS.
PLENUM OVER DIFFUSER	PLENUM OVER LINEAR SUPPLY OR RETURN DIFFUSER OR GRILLE
CONN. TO LINEAR DIFFUSER PLENUM	REGULATION OF VOLUME DAMPER SHALL BE ACCESSIBLE THROUGH THE FACE OF DIFFUSER
FIRE DAMPER	ACCESS DOOR IN DUCT
HEATING COIL	FLARE/TRANSITION DUCT TO ACCOMMODATE COIL
	COIL WITH FLANGED CONNECTION ALL AROUND
	ACCESS DOORS
	45° (TYPICAL)

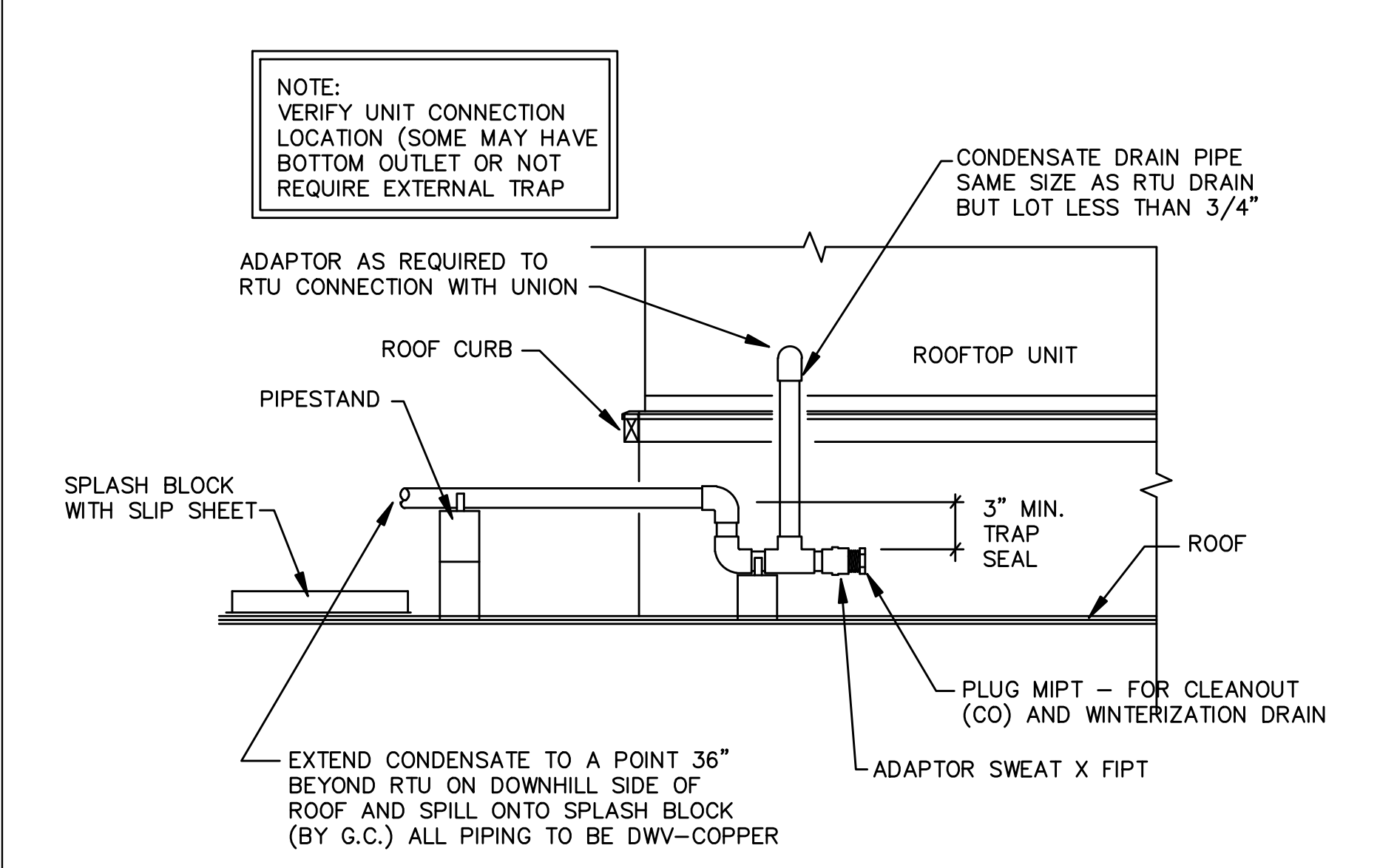
DUCT PENETRATION THRU ROOF
NOT TO SCALE



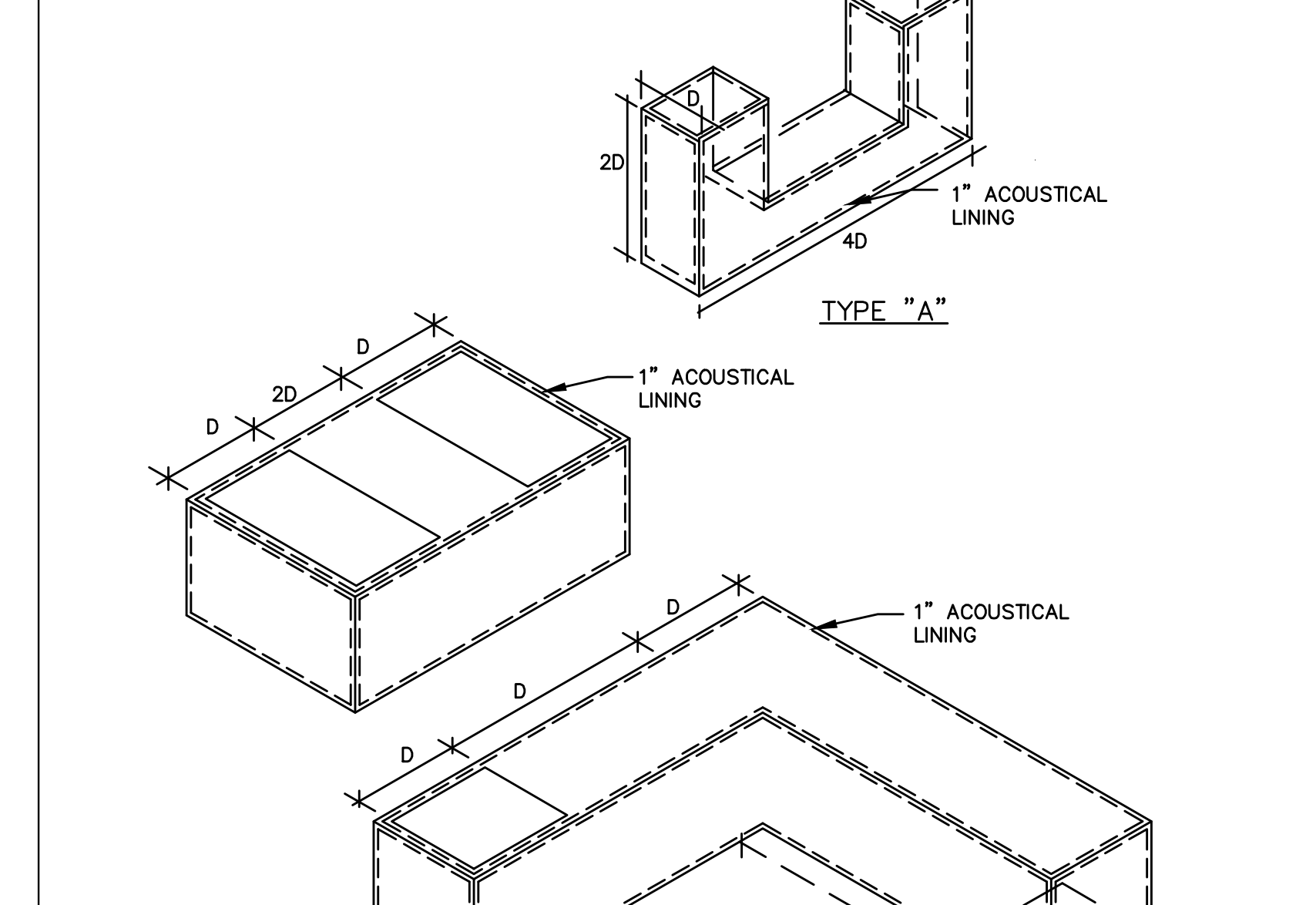
DUCT PENETRATION THRU ROOF
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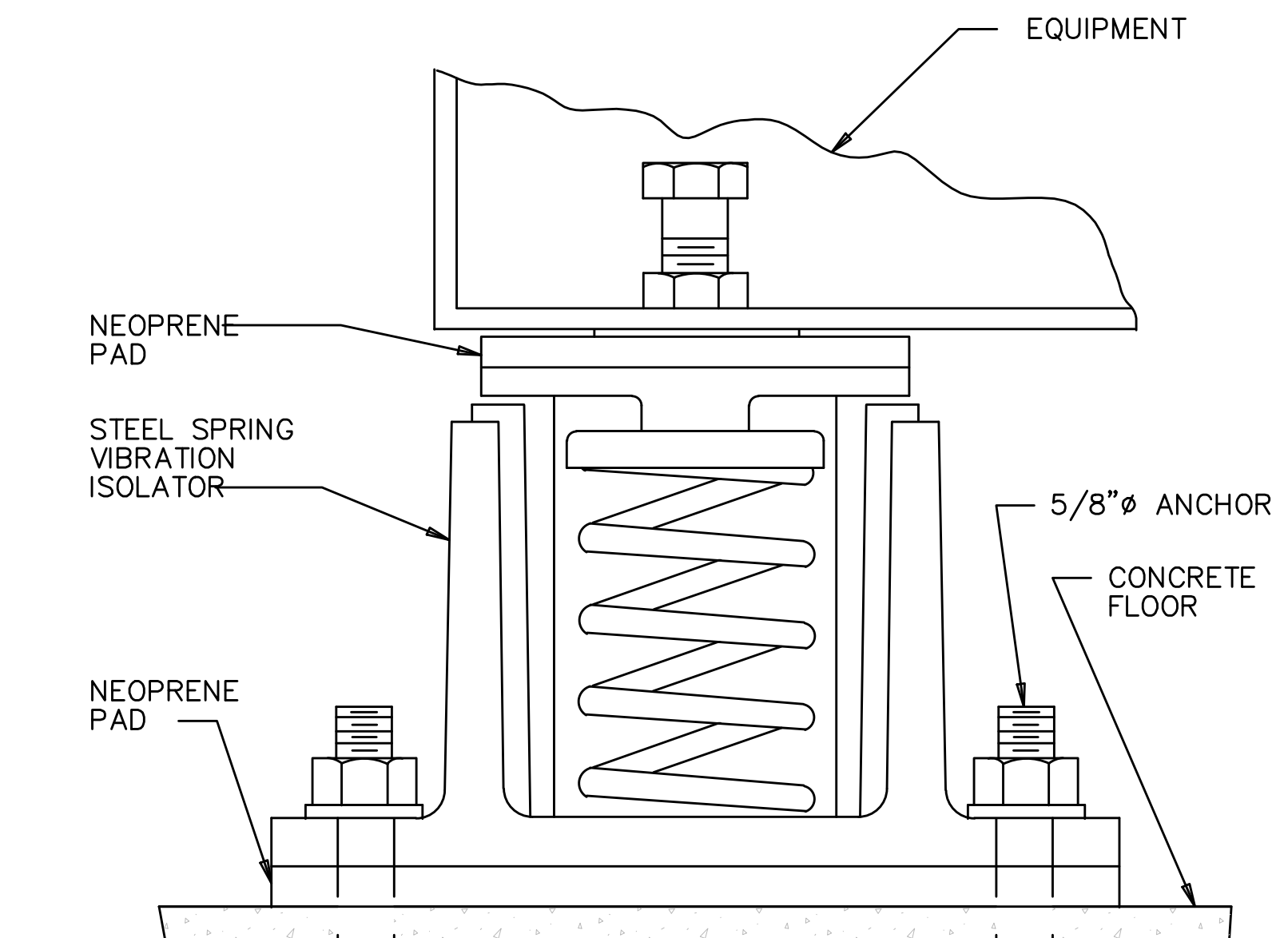
DUCT CONNECTION DETAIL
NOT TO SCALE



RTU CONDENSATE DRAIN DETAIL
NOT TO SCALE



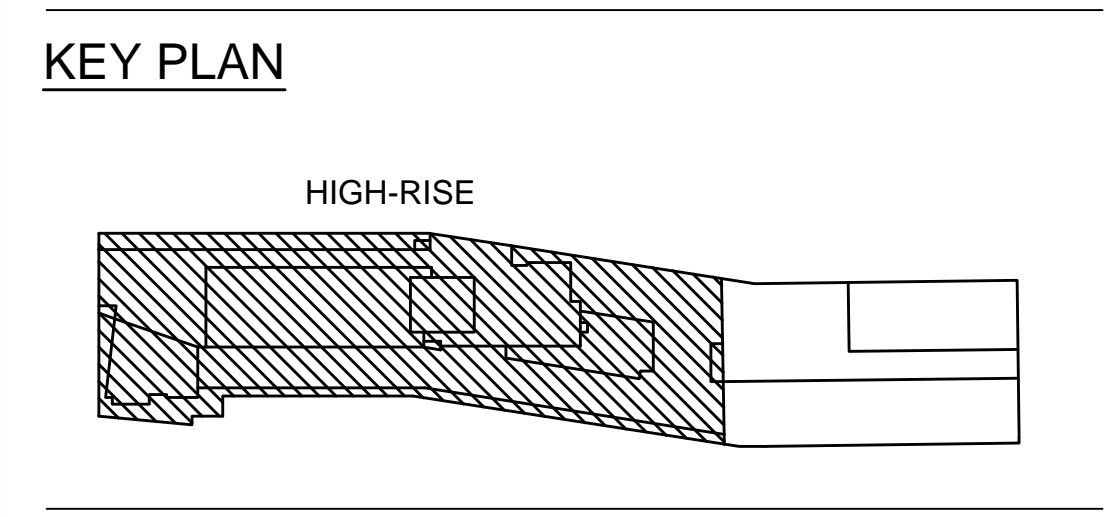
TRANSFER (JUMPER) DUCT TYPES
NOT TO SCALE



VIBRATION ISOLATOR DETAIL
NOT TO SCALE

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD.88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE

FX FOWLE ARCHITECTS, LLP 120 WEST 16TH STREET, NEW YORK, NY 10011 | T 212.687.1700 | F 212.488.8716 | WWW.FXFOOWLE.COM

Structural Engineer: **WSP**
228 East 65th Street, New York, NY 10017 212.687.8888

Mechanical, Electrical, Plumbing and Fire Protection Engineer: **ICOR ASSOCIATES**
495C Route 1 South, Suite 300, South Plainfield, NJ 08050 908.272.3300

Civil/Structural Engineer: **ENERGY CONCEPTS ENGINEERING, P.C.**
25 Chapel Street, Suite 502, Brooklyn, NY 11201 718.705.9754

Landscape Architect: **S + S LIGHTING DESIGN**
171 Beachwood Rd., Summit, NJ 07901 908.273.1520

Acoustic Consultant: **LONGMAN LINDSEY**
1410 Broadway, Suite 602, New York, NY 10018 212.515.6400

Vertical Transportation Consultant: **VAN DEUSEN & ASSOCIATES**
125 Eighth Road, Avenue South 310, East Hanover, NJ 07936 973.984.9220

General Contractor: **TERRAIN LANDSCAPE ARCHITECTURE PC**
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6080

General Engineer: **MUESER RUTLEDGE CONSULTING ENGINEERS**
225 West 34th Street, New York, NY 10018 212.339.9200

DRAWING TITLE: **MECHANICAL DETAILS**

Scale: **NO SCALE**

Project No.: **14015.L00**

Client: **CJ Plaza**

Drawn: **IB**

Checked: **IB**

Reviewed: **IB**

Date: **08.15.2016**

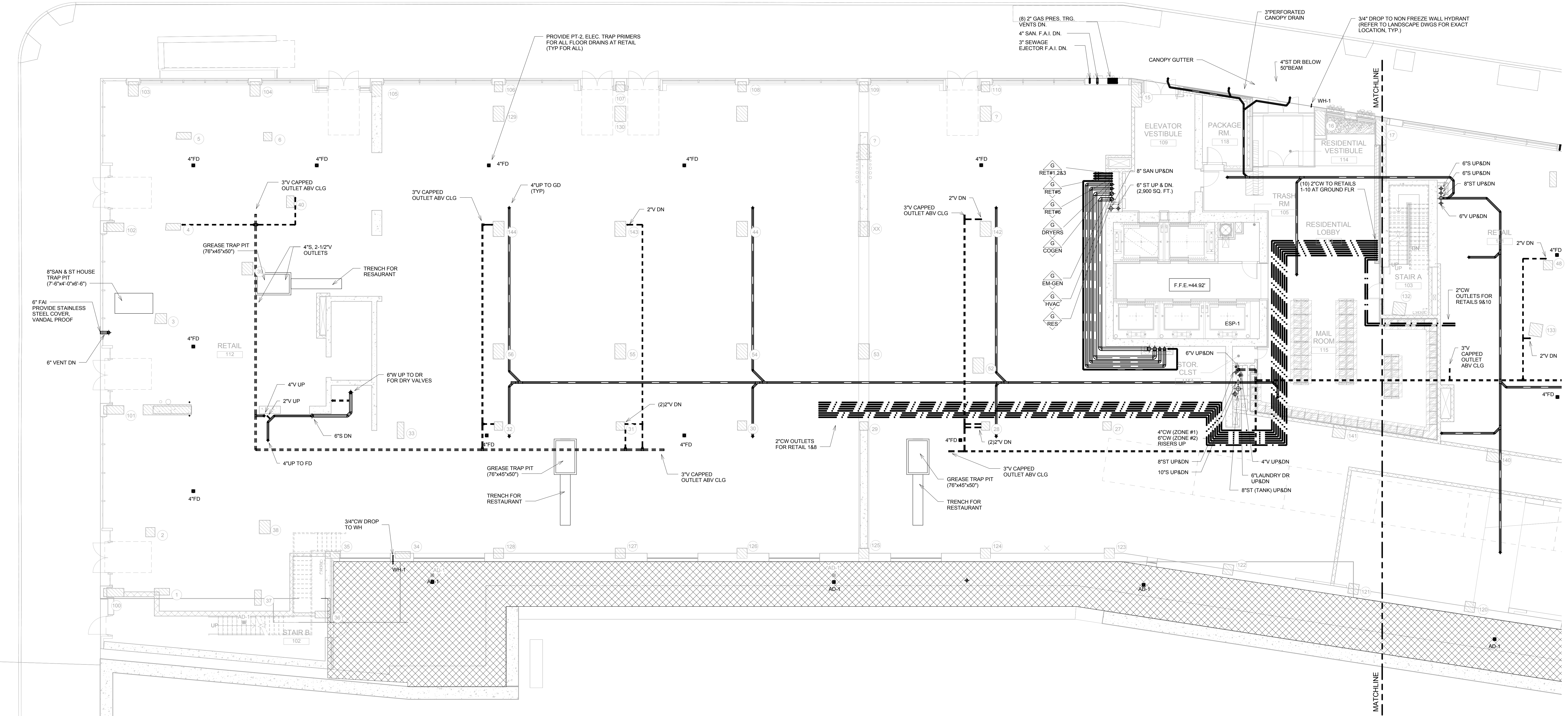
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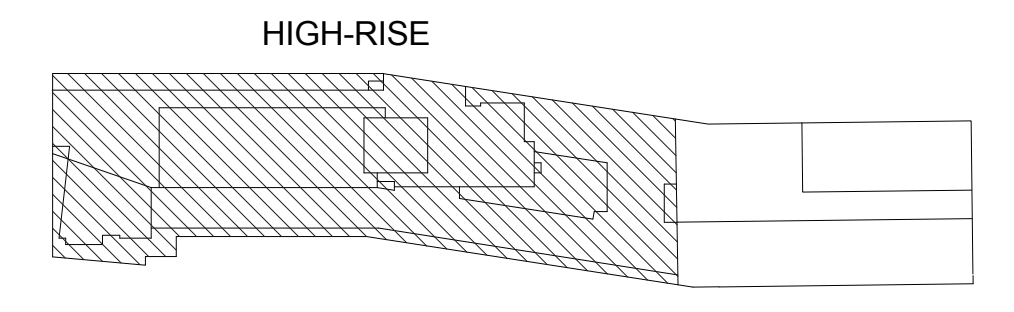
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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID	08.15.2016
REVISIONS SUBMISSIONS	DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE

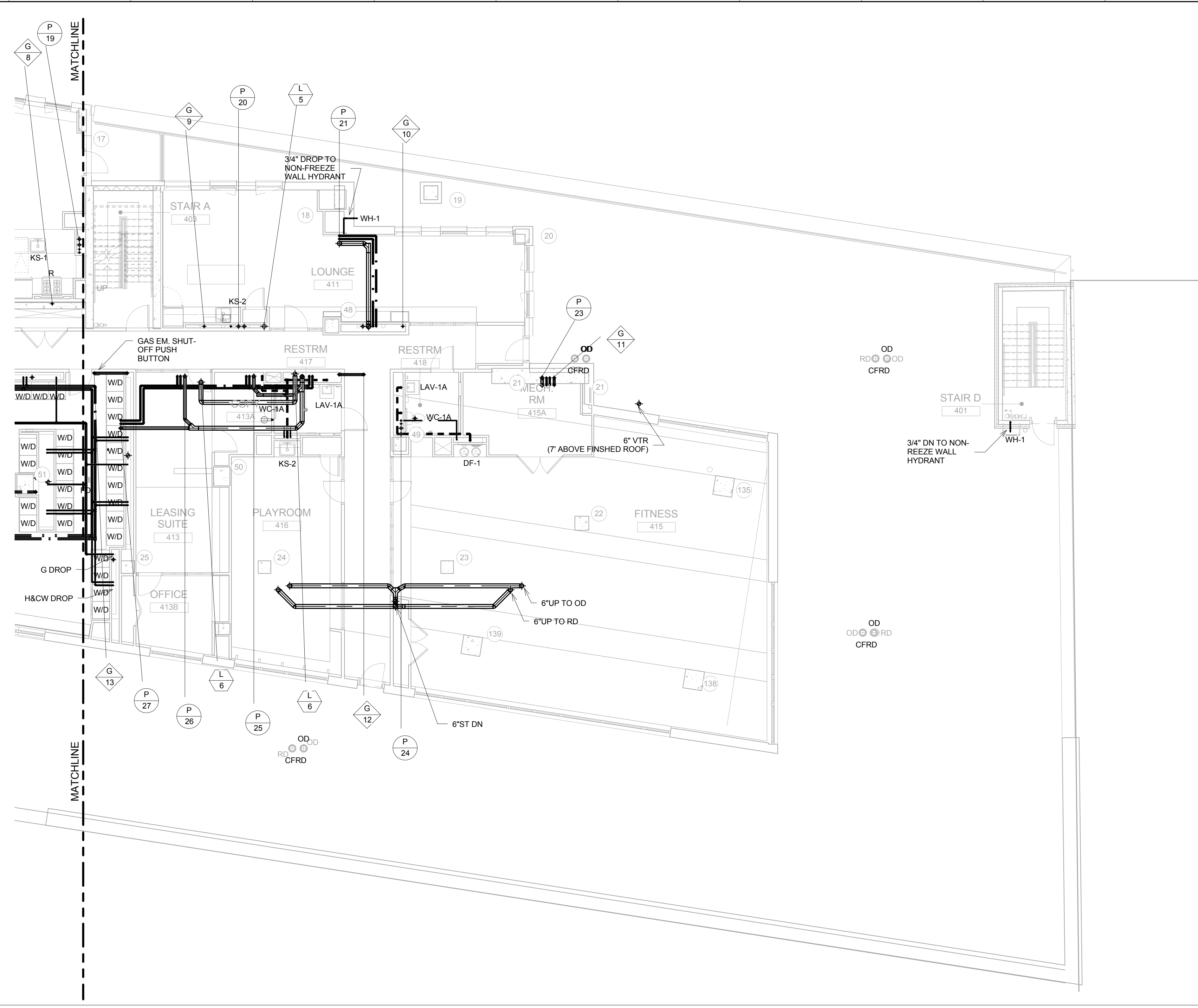
FX FOWLE ARCHITECTS, LLP | 120 WEST 57TH STREET | NEW YORK, NY 10019 | 212.687.1700 | P 212.483.8716 | WWW.FXFWLE.COM

<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Bloomingwood Rd, Summit, NJ 07901 908.273.1520</p>	<p>Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6400</p> <p>Vertical Transportation Consultant: VAN DUJSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300</p>
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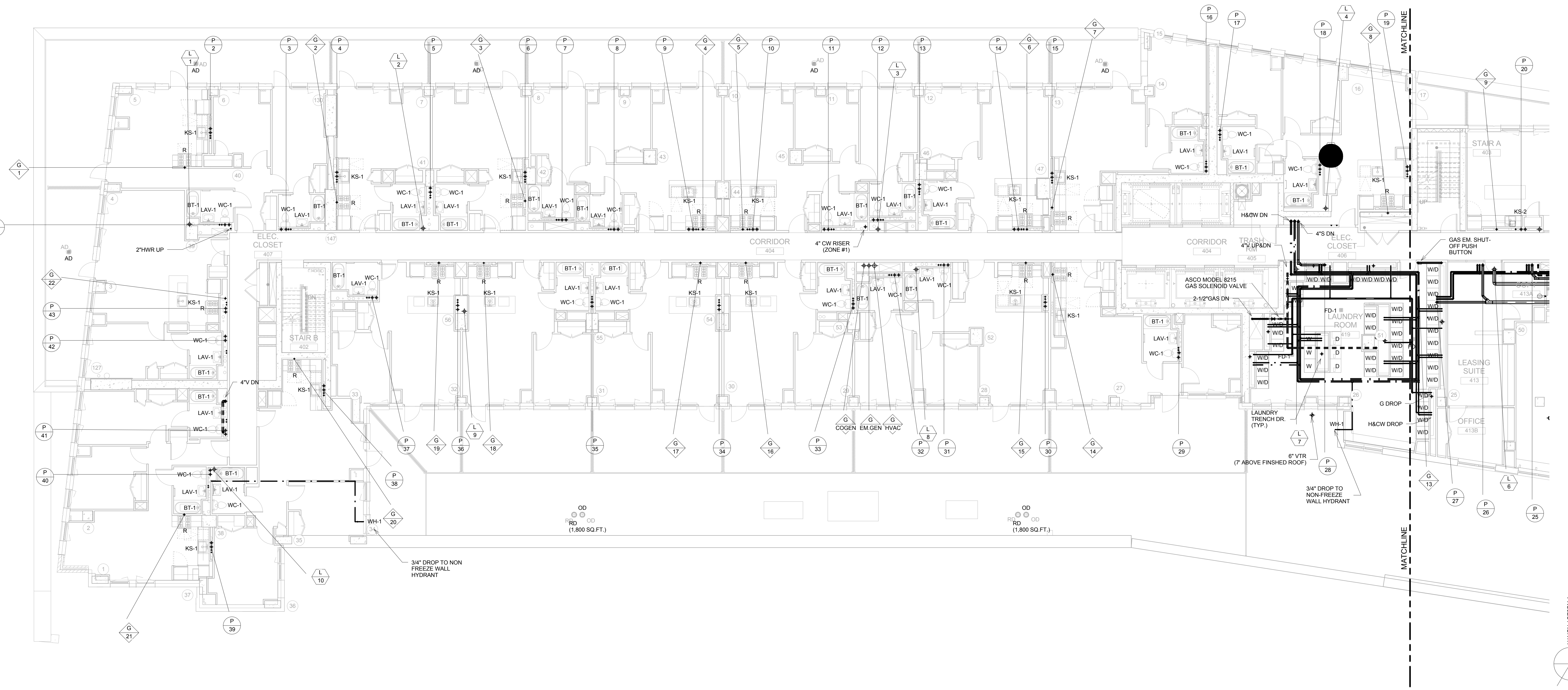
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GROUND FLOOR PLUMBING PIPING PLAN - WEST

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	Reviewed: IB	Drawing No.:	
	Date:		
	Scale:		
	1/8" = 1'-0"	Sheet	5 of 29

P-203.00



2 4TH FLOOR PLUMBING PIPING PLAN - EAST
1/8" = 1'-0"

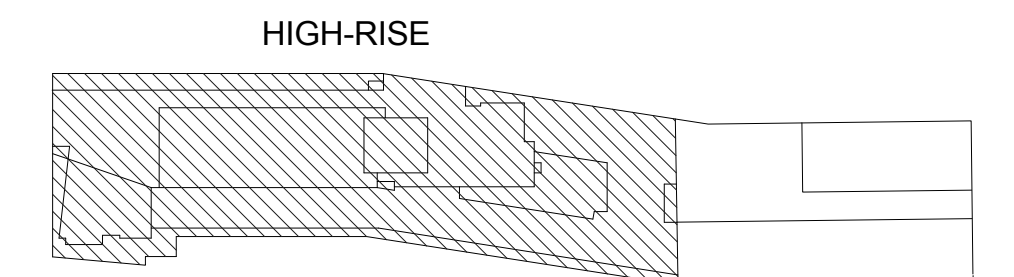


1 4TH FLOOR PLUMBING PIPING PLAN - WEST
1/8" = 1'-0"

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KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017.212.488.1750

FX FOWLE

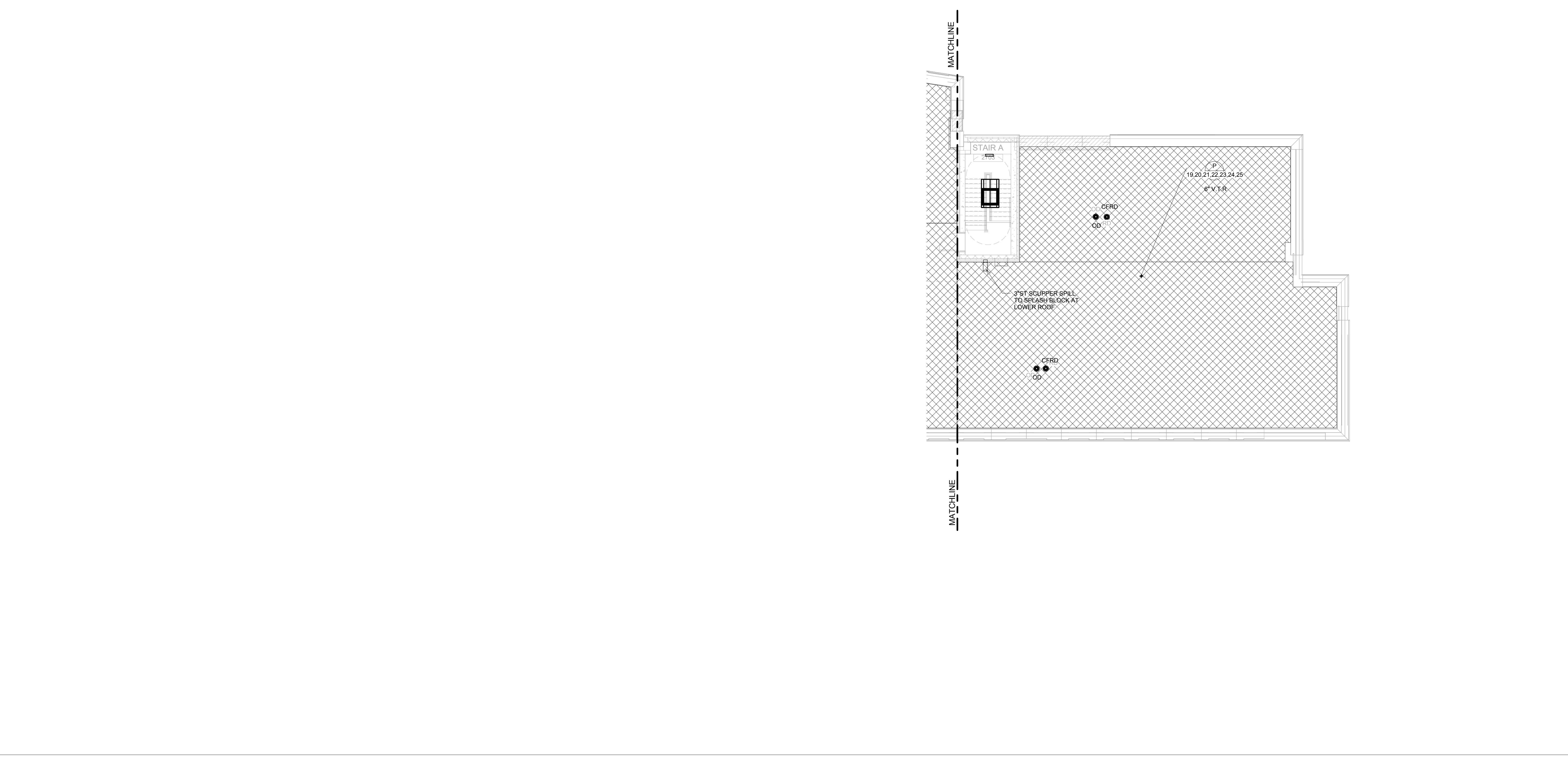
FX FOWLE ARCHITECTS, LLP | 122 WEST 57TH STREET | NEW YORK, NY 10019 | 212.621.1700 | P 212.483.9716 | WWW.FXFWOLE.COM

<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017. 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520. 908.272.3300</p> <p>Gas Conversion Plan Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201. 718.701.9754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Bloomingdale Street, NY 07901. 908.273.1520</p>	<p>Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 206, New York, NY 10018. 212.515.6600</p> <p>Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 100 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936. 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003. 212.537.6690</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122. 917.338.9300</p>
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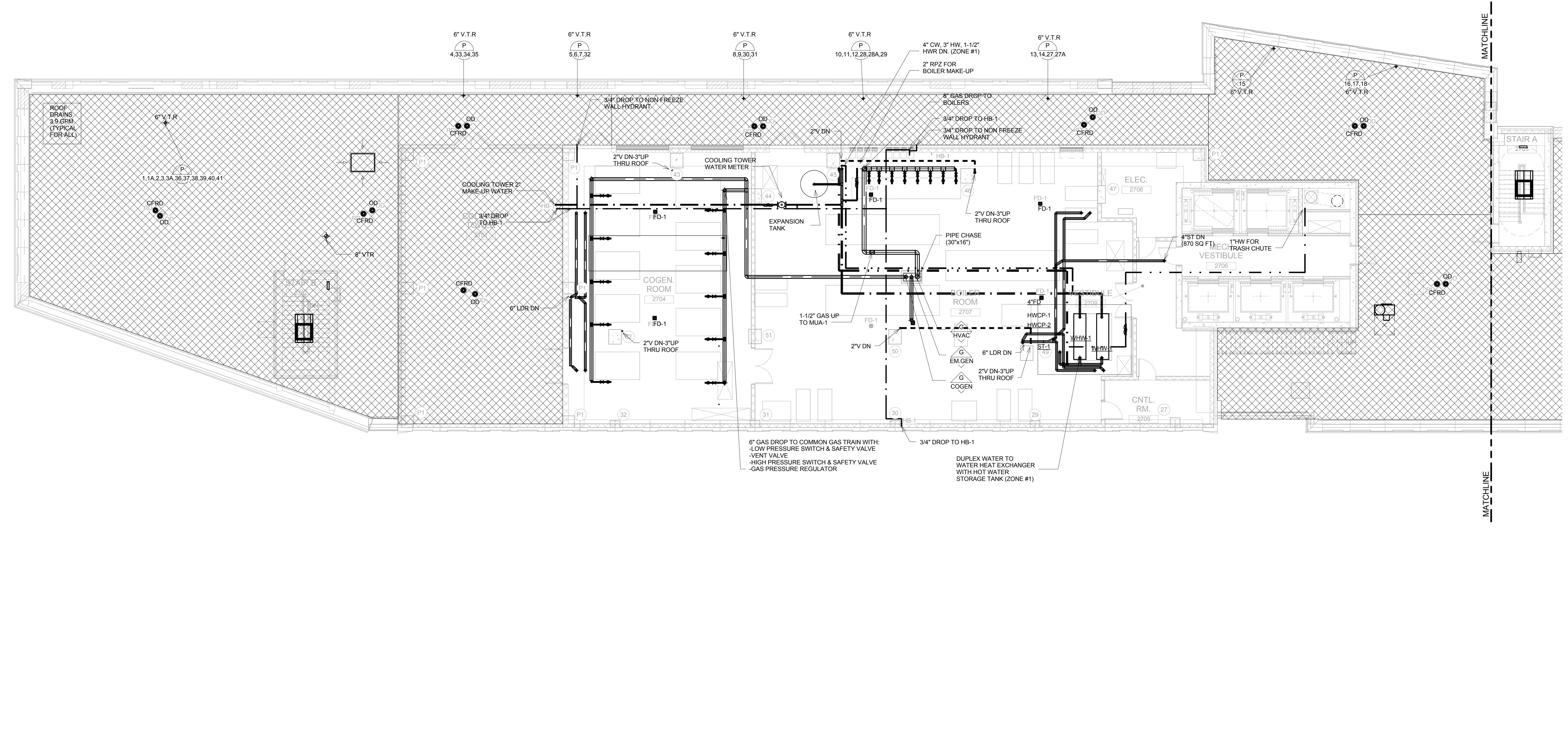
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P-207.00



2 29TH FLOOR (MECHANICAL) PLUMBING PIPING PLAN - EAST
1/8" = 1'-0"

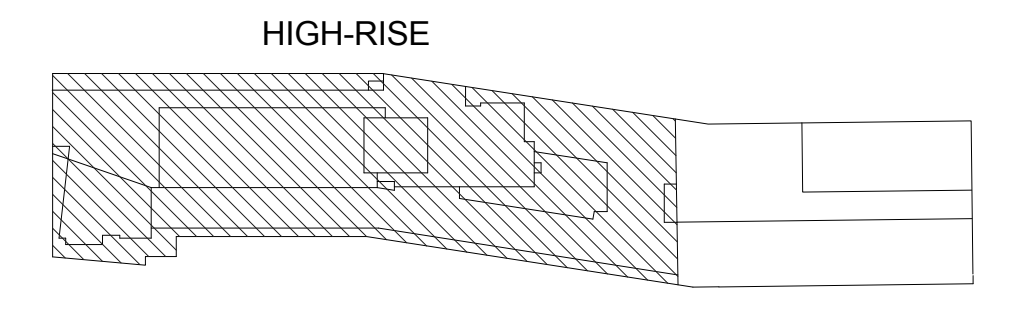


1 29TH FLOOR (MECHANICAL) PLUMBING PIPING PLAN - WEST
1/8" = 1'-0"

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KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID	08.15.2016
REVISIONS / SUBMISSIONS	DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

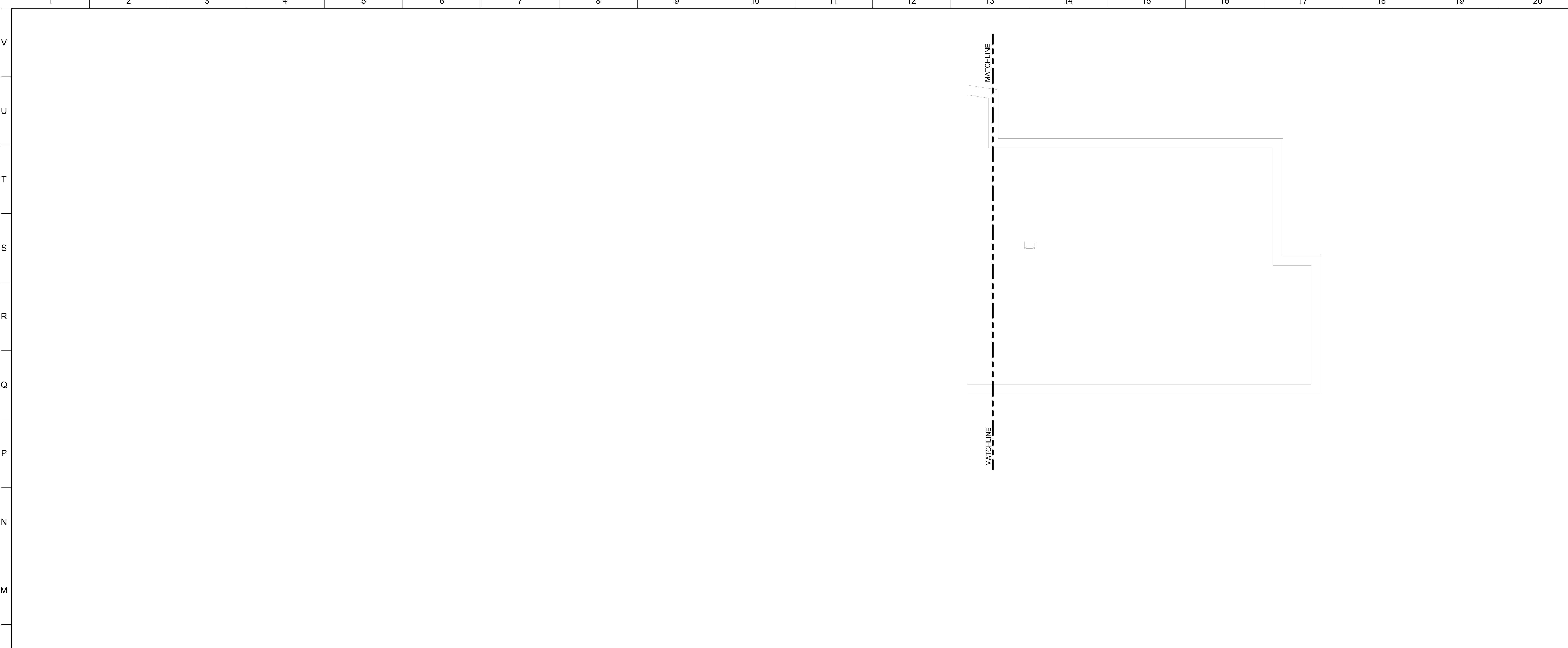
Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP | 120 WEST 59TH STREET | NEW YORK, NY 10011 | 212.621.1700 | P | 212.483.8716 | WWW.FXFWLE.COM

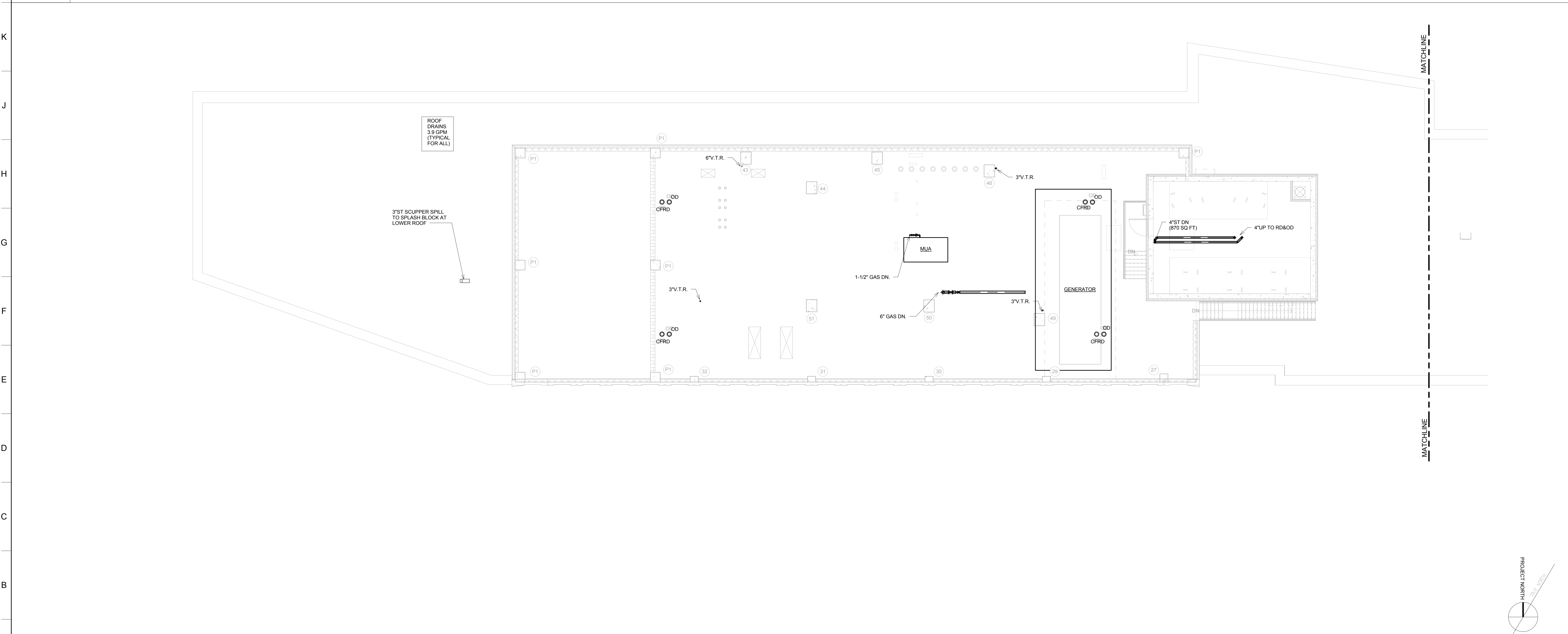
<p>Architect WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08050 908.272.3300</p> <p>Co-Owner/Peer Engineer ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.0754</p> <p>Lighting Designer S + S LIGHTING DESIGN 121 Beachwood Drive, Scarsdale, NY 07021 908.273.1520</p>	<p>Architect Consultant LONGMAN LINDSEY 1410 Broadway, Suite 500, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant VAN DEUSEN & ASSOCIATES 100 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936 973.994.9220</p> <p>Landscape Architect TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300</p>
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DRAWING TITLE:
29TH FLOOR (MECHANICAL) PLUMBING PIPING PLAN

<p>Drawn: TW Checked: JV Reviewed: IB</p>	<p>Project No.: 14015.L00 Cad File: BRP/Jamaica_HighRise_MEP Drawing No.:</p>	<p>Date: 08/15/16 Scale: 1/8" = 1'-0"</p>	<p>P-215.00 Sheet 17 of 29</p>
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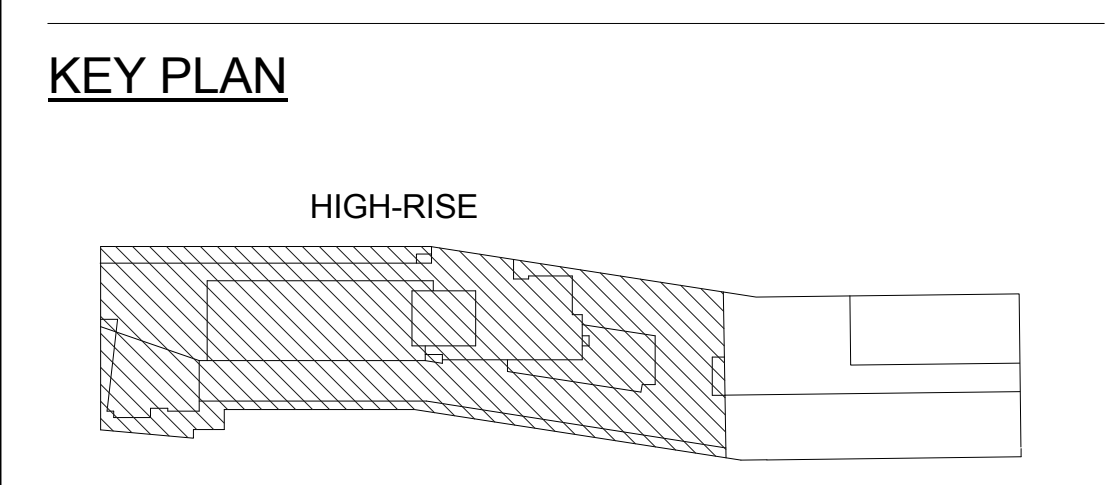
2 30TH FLOOR (MECH. MEZZANINE AND EMR) PLUMBING PIPING PLAN - EAST
1/8" = 1'-0"



1 30TH FLOOR (MECH. MEZZANINE AND EMR) PLUMBING PIPING PLAN - WEST
1/8" = 1'-0"

* 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. *

ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

NO.	REVISIONS / SUBMISSIONS	DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE

FX FOWLE ARCHITECTS, LLP 122 WEST 87TH STREET NEW YORK, NY 10011 212.687.1700 | 212.483.8716 | WWW.FX FOWLE.COM

<p>Structural Engineer: WSP 225 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Site/Construction Permit Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Rd., Summit, NJ 07901 908.273.1520</p>	<p>Architect/Contractor: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.315.6400</p> <p>Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 100 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6990</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300</p>
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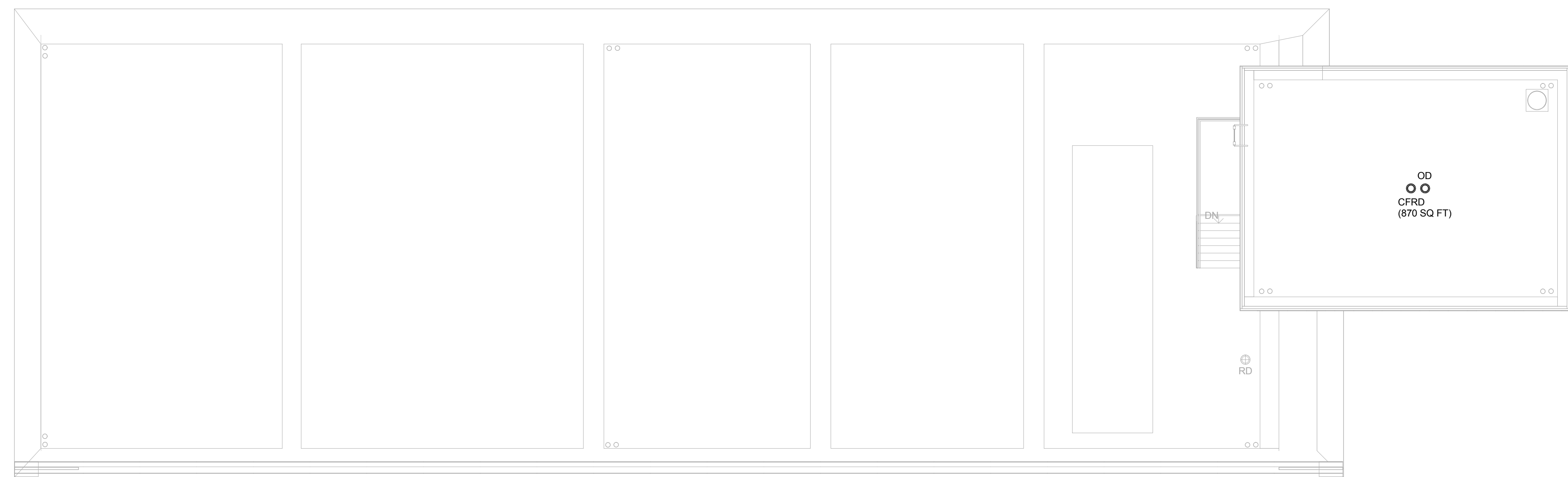
DRAWING TITLE:
30TH FLOOR (MECH. MEZZANINE & EMR) PLUMBING PIPING PLAN

<p>Drawn: TW</p> <p>Checked: IV</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Job File: SRRJamaica_HighRise_MEP</p> <p>Drawing No.: P-216.00</p> <p>Sheet 16 of 29</p>
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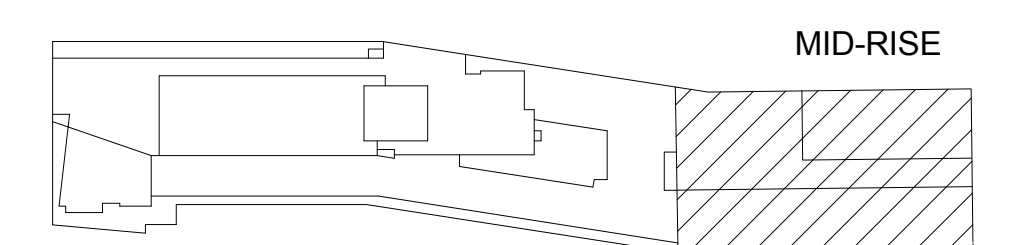
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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
No. REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

Architect

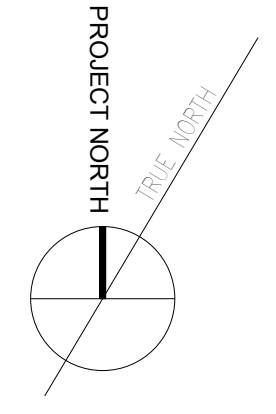
FX FOWLE

FX FOWLE ARCHITECTS, LLP | 122 WEST 57TH STREET | NEW YORK, NY 10019 | 212.621.1700 | P 212.483.8716 | WWW.FX FOWLE.COM

<p>Structural Engineer: WSP 225 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Civil/Construction Permit Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Rd., Summit, NJ 07901 908.273.1520</p>	<p>Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.515.6600</p> <p>Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 100 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10122 917.338.9300</p>
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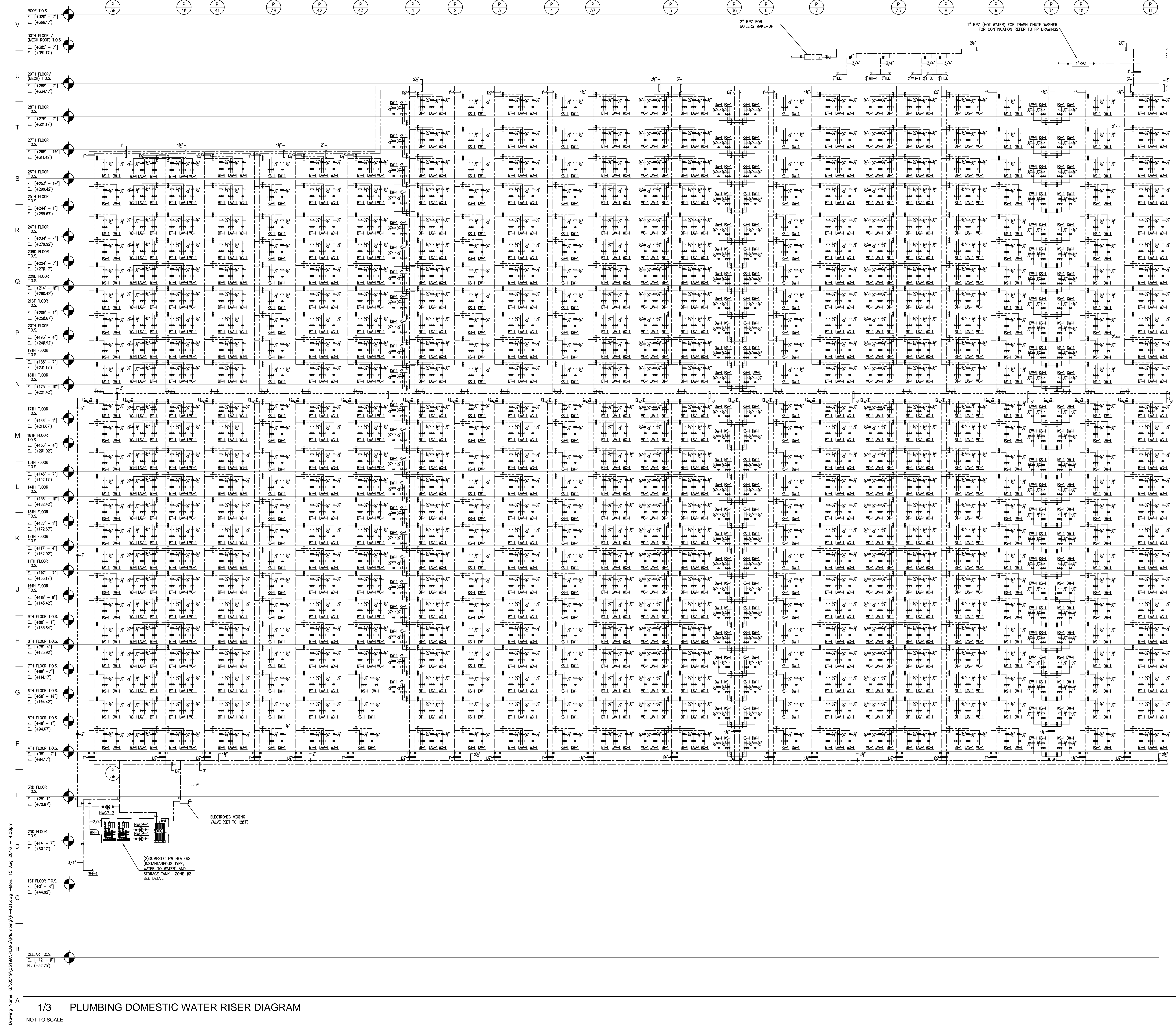
DRAWING TITLE:
ROOF PLUMBING PIPING PLAN

<p>Drawn: TW</p> <p>Checked: IV</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Cad File: SHP/Jamaica_HighRise_MEP</p> <p>Drawing No.: P-217.00</p> <p>Sheet 19 of 29</p>
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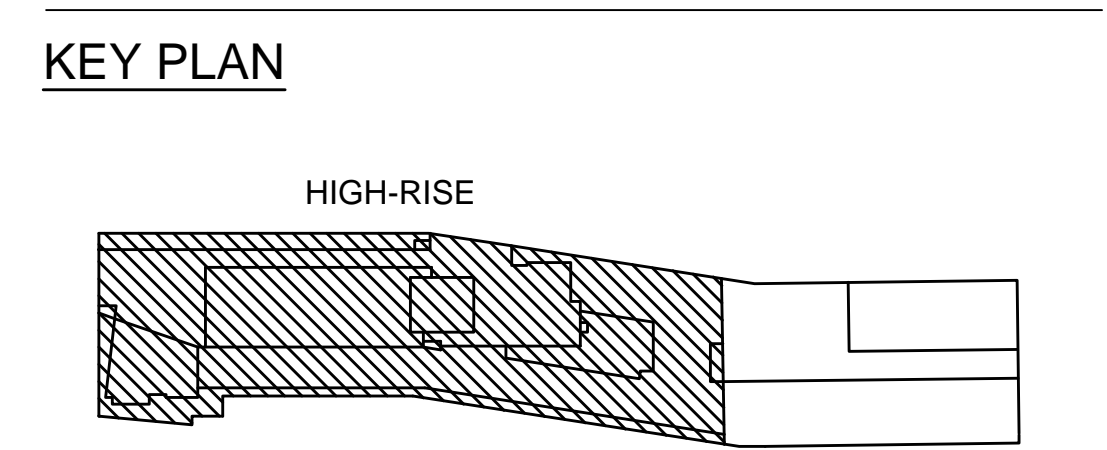
1 ROOF PLUMBING PIPING PLAN
1/8" = 1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



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NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
 NO. REVISIONS SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
 QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
 767 Third Avenue, 33rd Floor
 New York, NY 10017 212.488.1750

FX FOWLE

FX FOWLE ARCHITECTS, LLP 120 WEST 46TH STREET, NEW YORK, NY 10019 (212) 687-1700 / P: 212 687 1716 / WWW.FXFOWLE.COM
 Associate Engineer: **LONGMAN LINDSEY**
 1410 Broadway, Suite 200, New York, NY 10018 212.515.6600

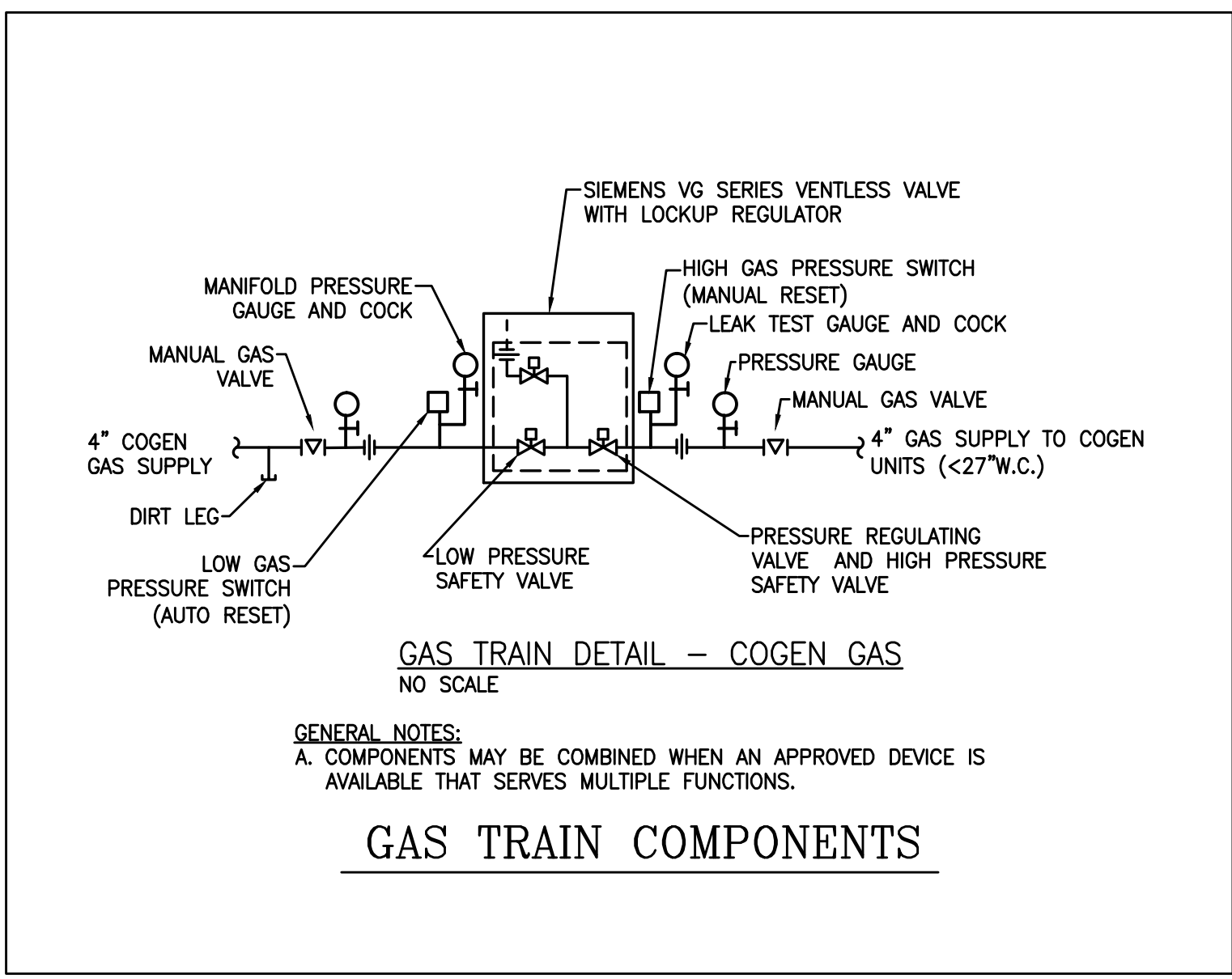
Mechanical, Electrical, Plumbing and Fire Protection Engineer: **ICOR ASSOCIATES**
 6502 Route 1 South, Suite 200, South, NJ 08850 908.272.3300
 Vertical Transportation Consultant: **VAN DEUSEN & ASSOCIATES**
 125 Eagle Rock Avenue, Suite 310, East Rutherford, NJ 07096 973.994.9220

Consultant: **ENERGY CONCEPTS ENGINEERING, P.C.**
 201 Chapel Street, Suite 502, Brooklyn, NY 11201 718.705.5754
 Consultant: **TERRAIN LANDSCAPE ARCHITECTURE PC**
 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6080

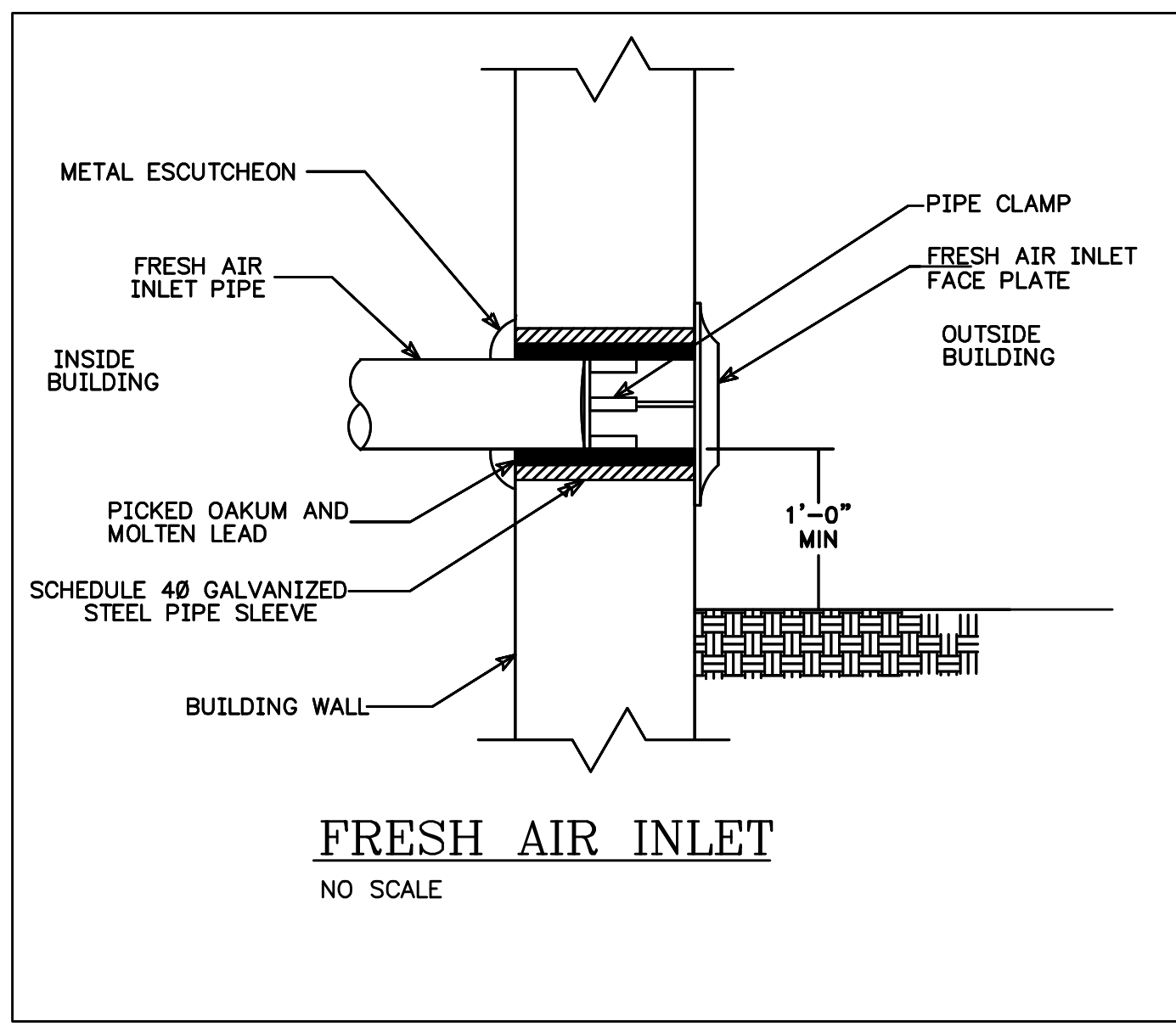
Lighting Designer: **S + S LIGHTING DESIGN**
 171 Beachwood Rd., Summit, NJ 07991 908.273.1020
 Geotechnical Engineer: **MUESER RUTLEDGE CONSULTING ENGINEERS**
 225 West 34th Street, New York, NY 10018 212.313.9000

DRAWING TITLE:
PLUMBING DOMESTIC WATER RISER DIAGRAM SHEET 1 OF 3

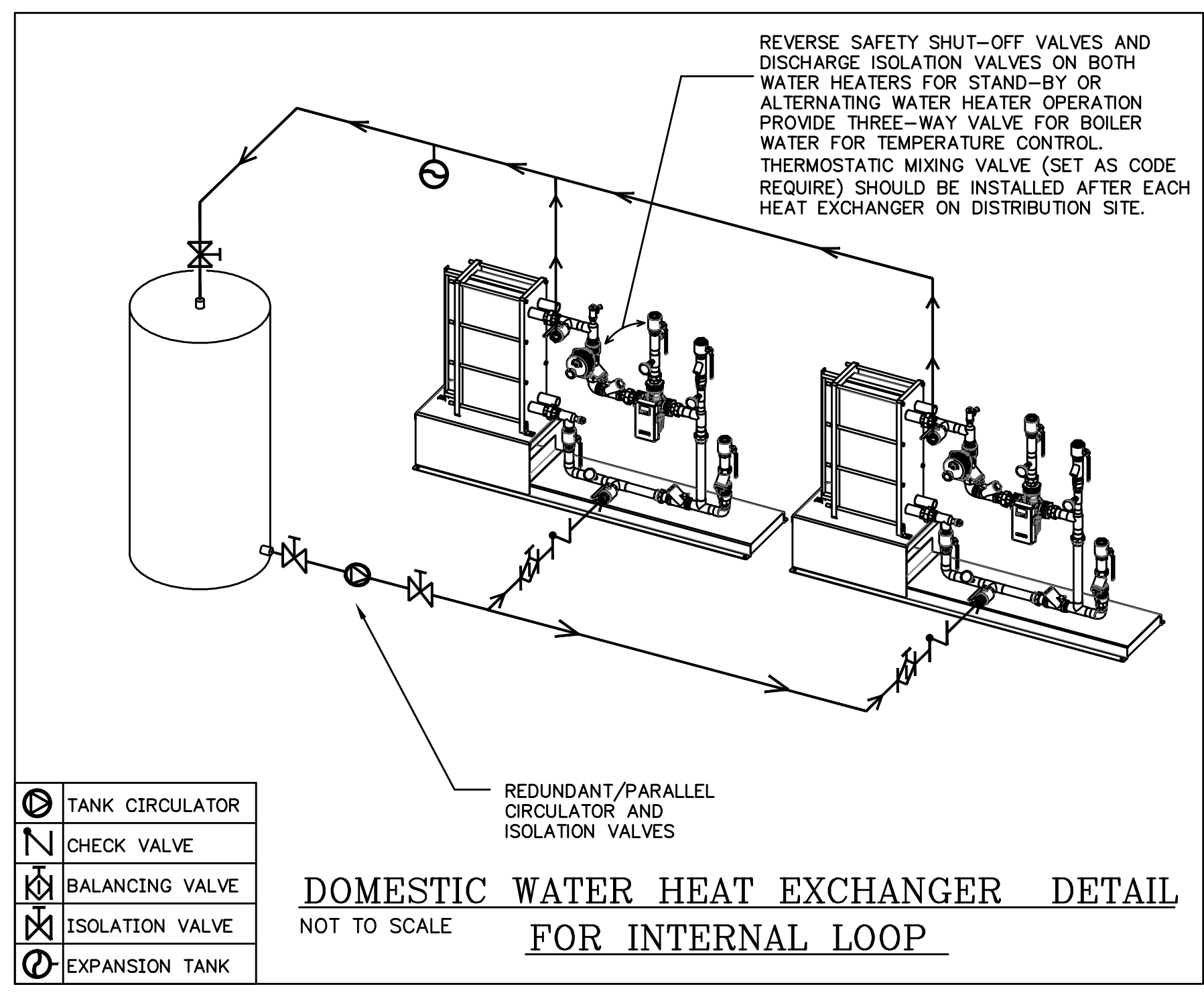
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	08.15.2016	NOT SCALE
	Sheet 20 of 29	



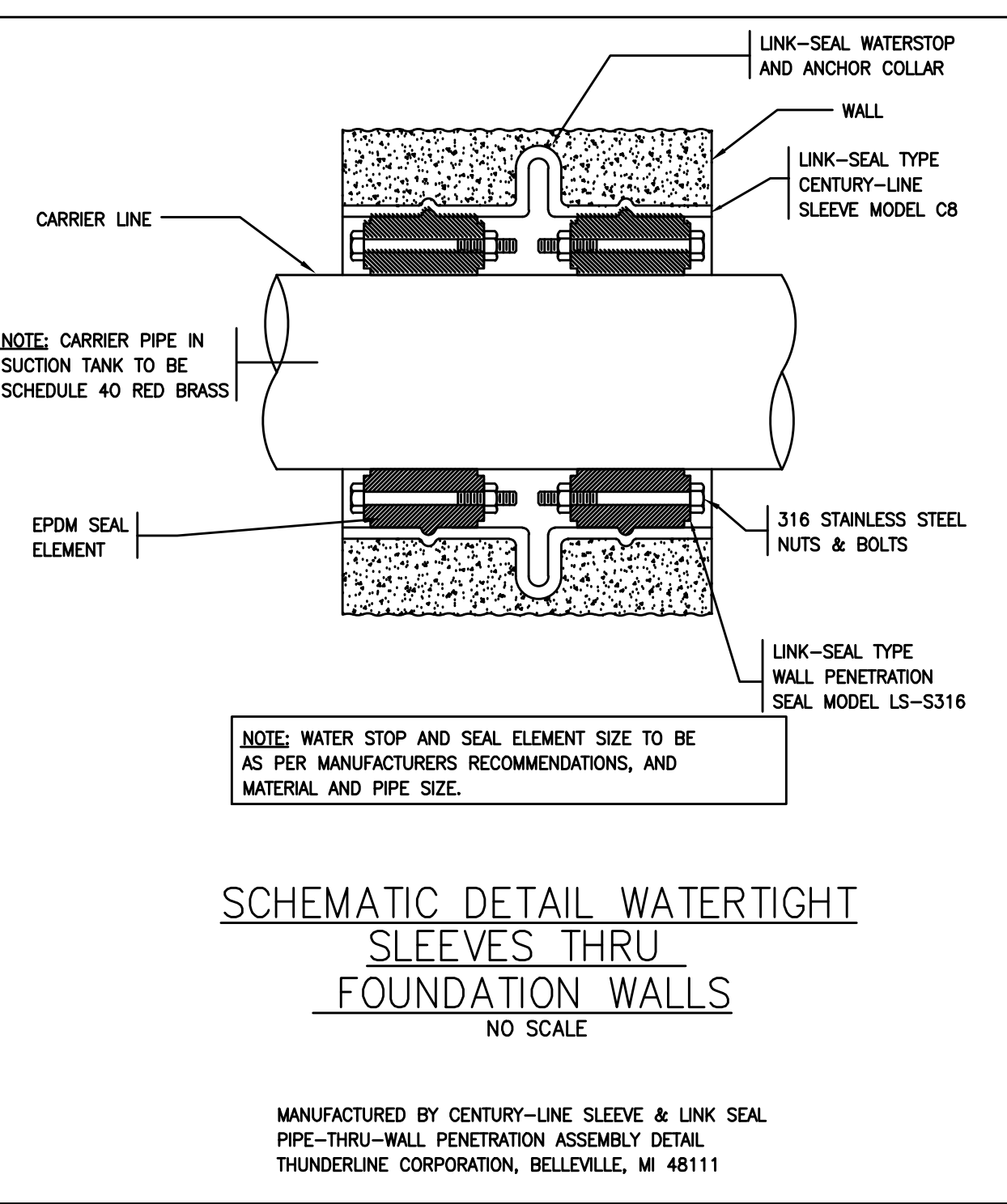
GAS TRAIN COMPONENTS
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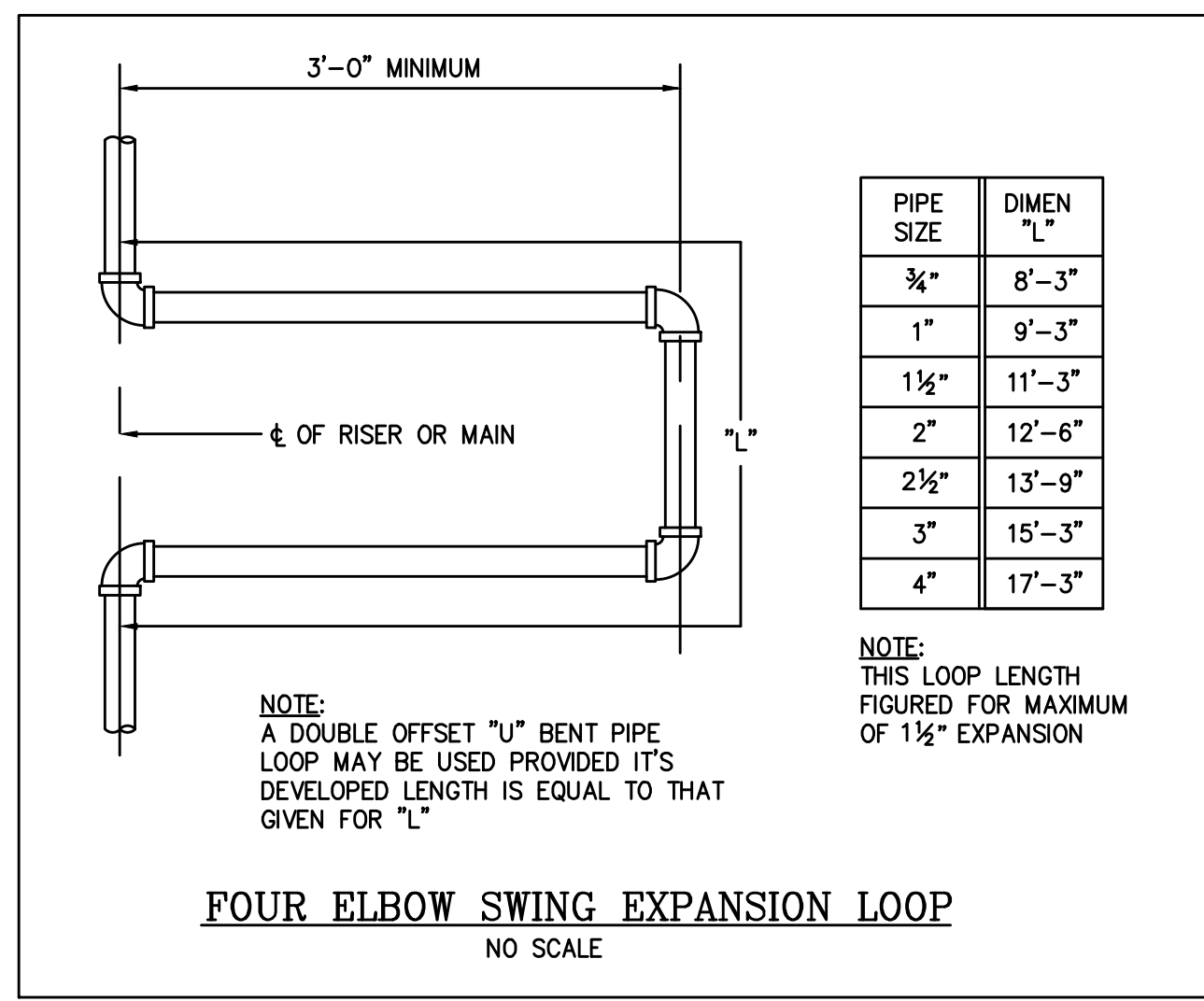
FRESH AIR INLET
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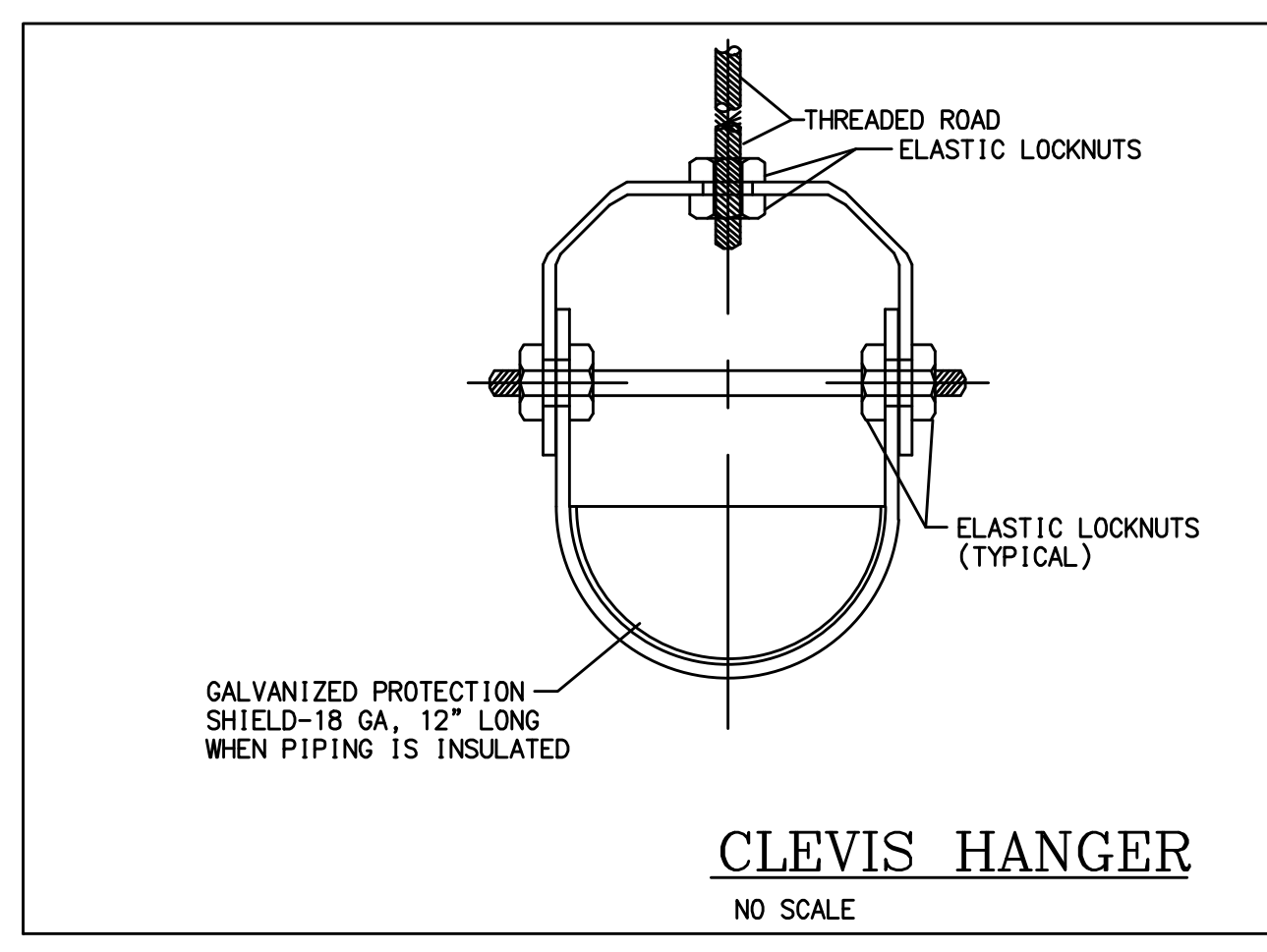
DOMESTIC WATER HEAT EXCHANGER DETAIL FOR INTERNAL LOOP
NOT TO SCALE



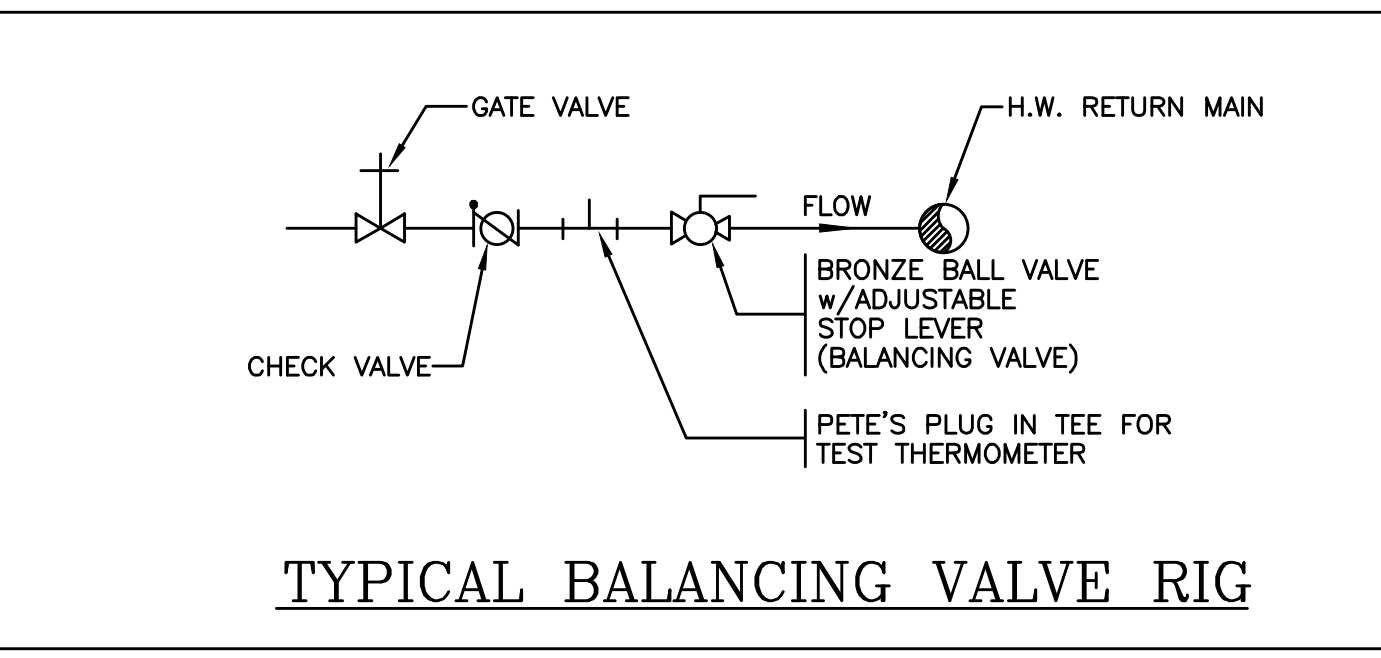
SCHEMATIC DETAIL WATERTIGHT SLEEVES THRU FOUNDATION WALLS
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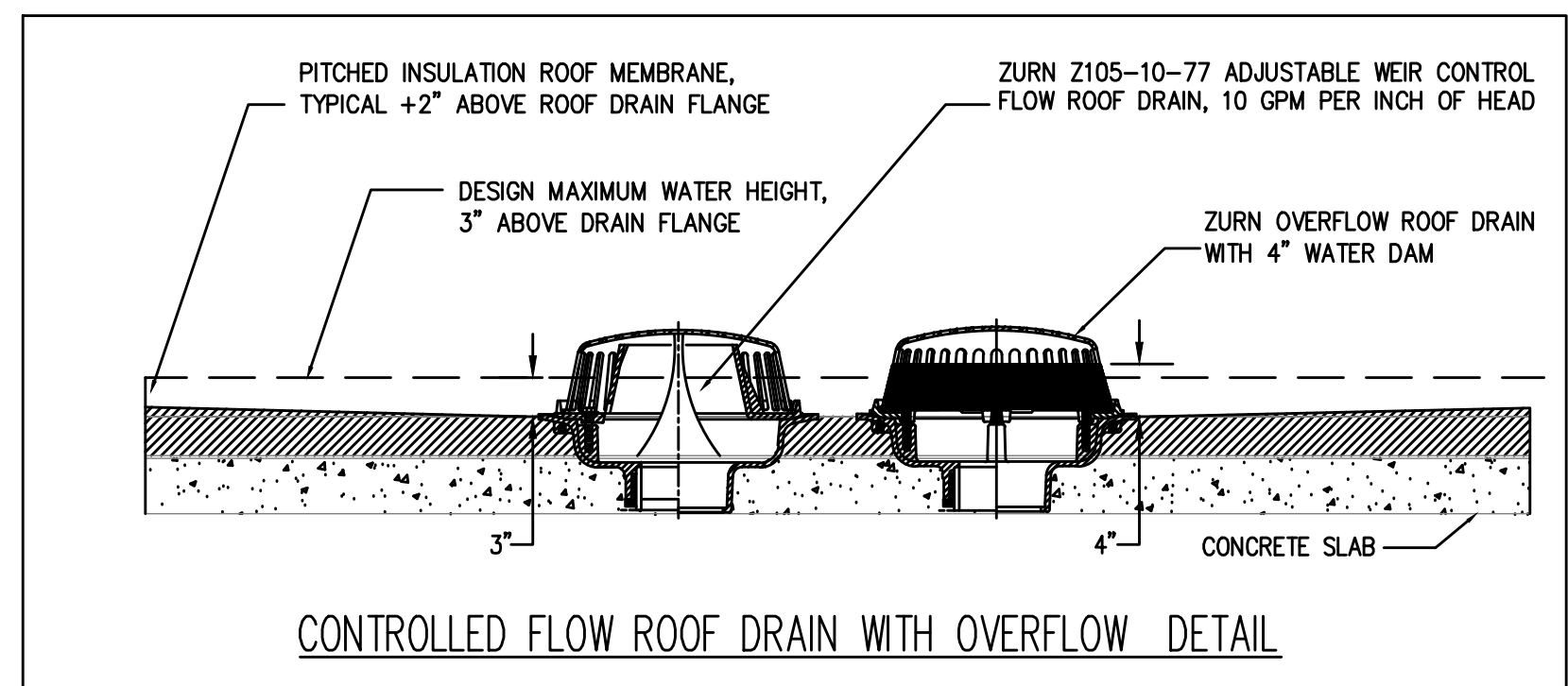
FOUR ELBOW SWING EXPANSION LOOP
NO SCALE



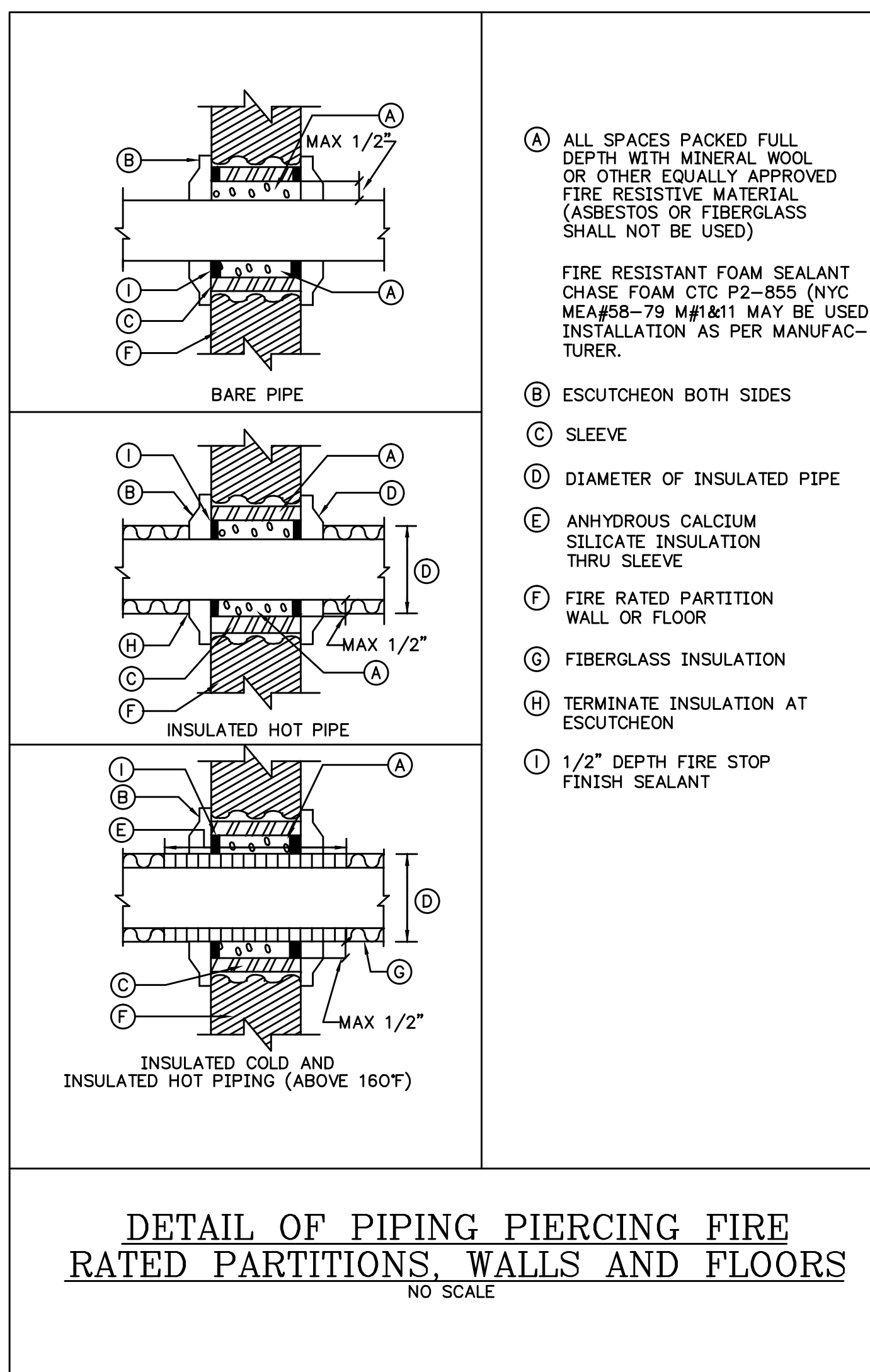
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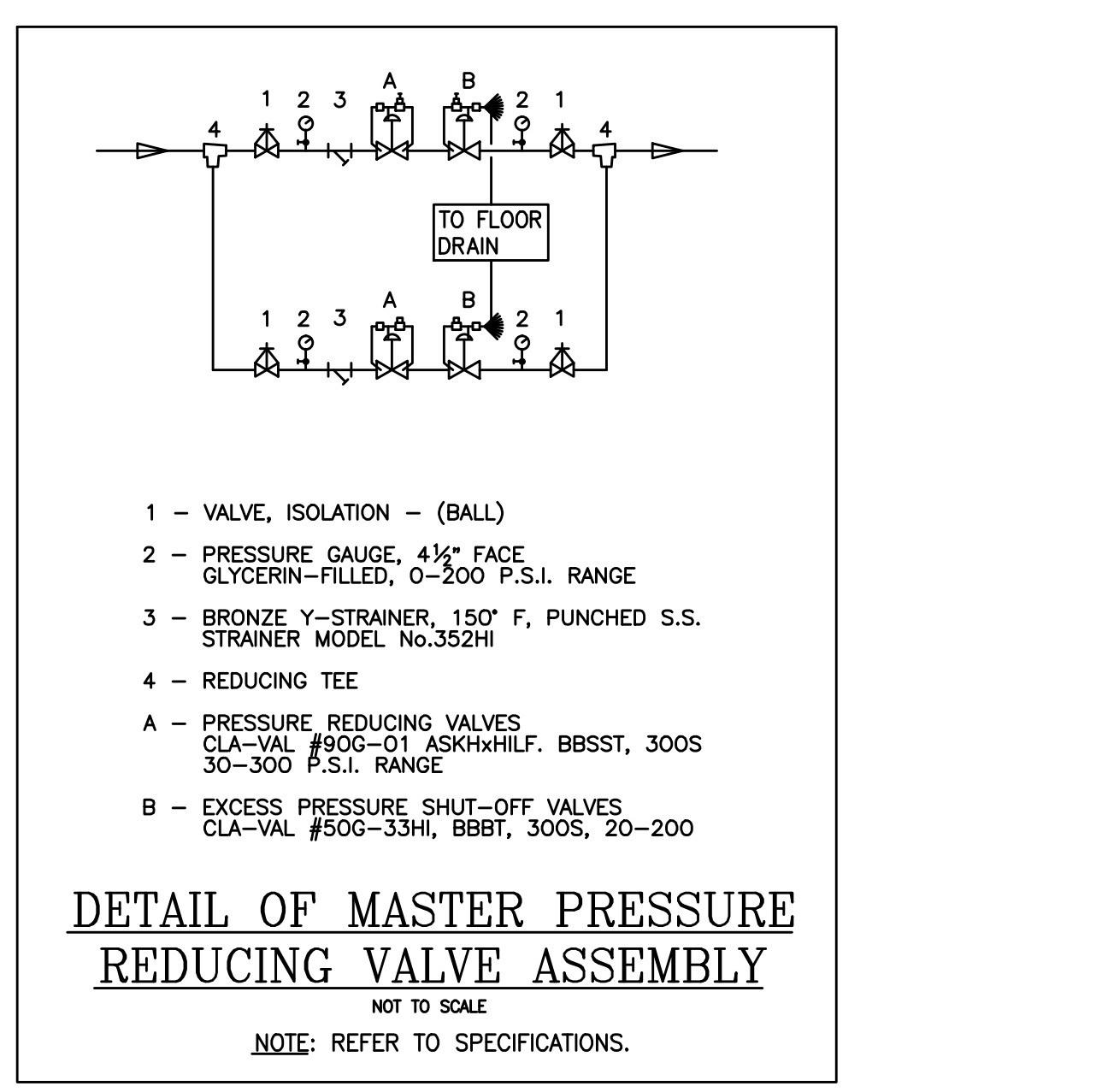
TYPICAL BALANCING VALVE RIG



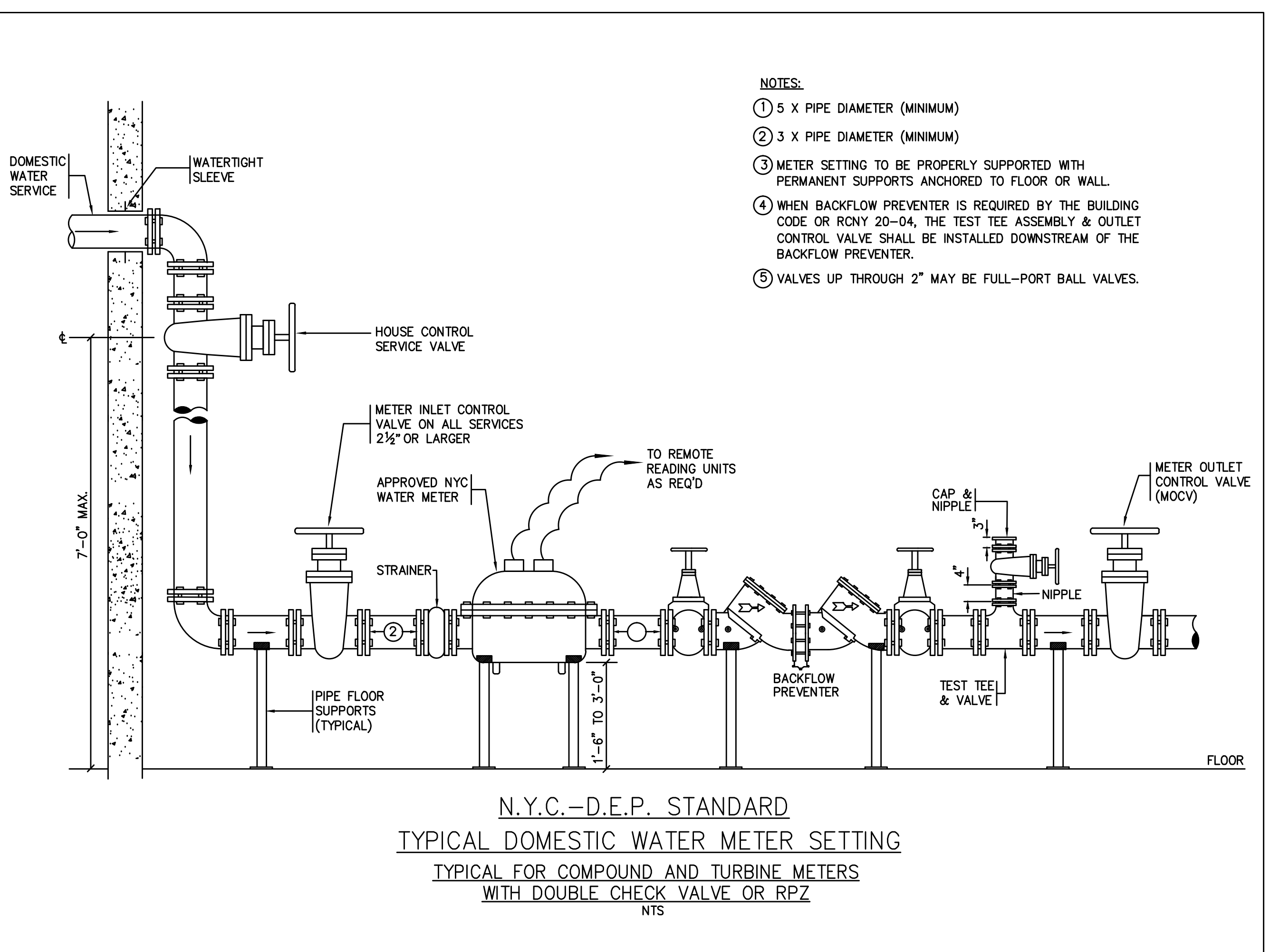
CONTROLLED FLOW ROOF DRAIN WITH OVERFLOW DETAIL



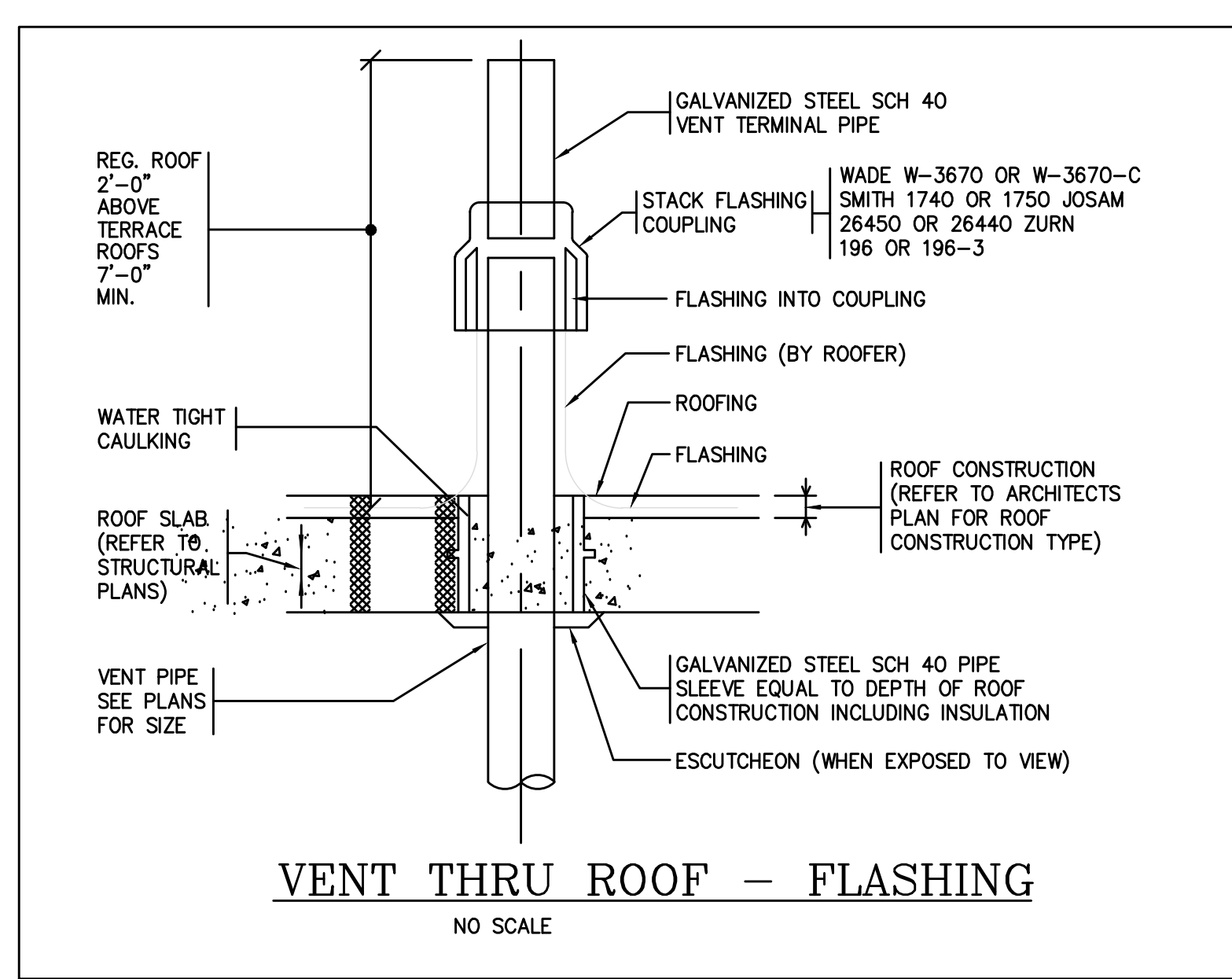
DETAIL OF PIPING PIERCING FIRE RATED PARTITIONS, WALLS AND FLOORS
NO SCALE



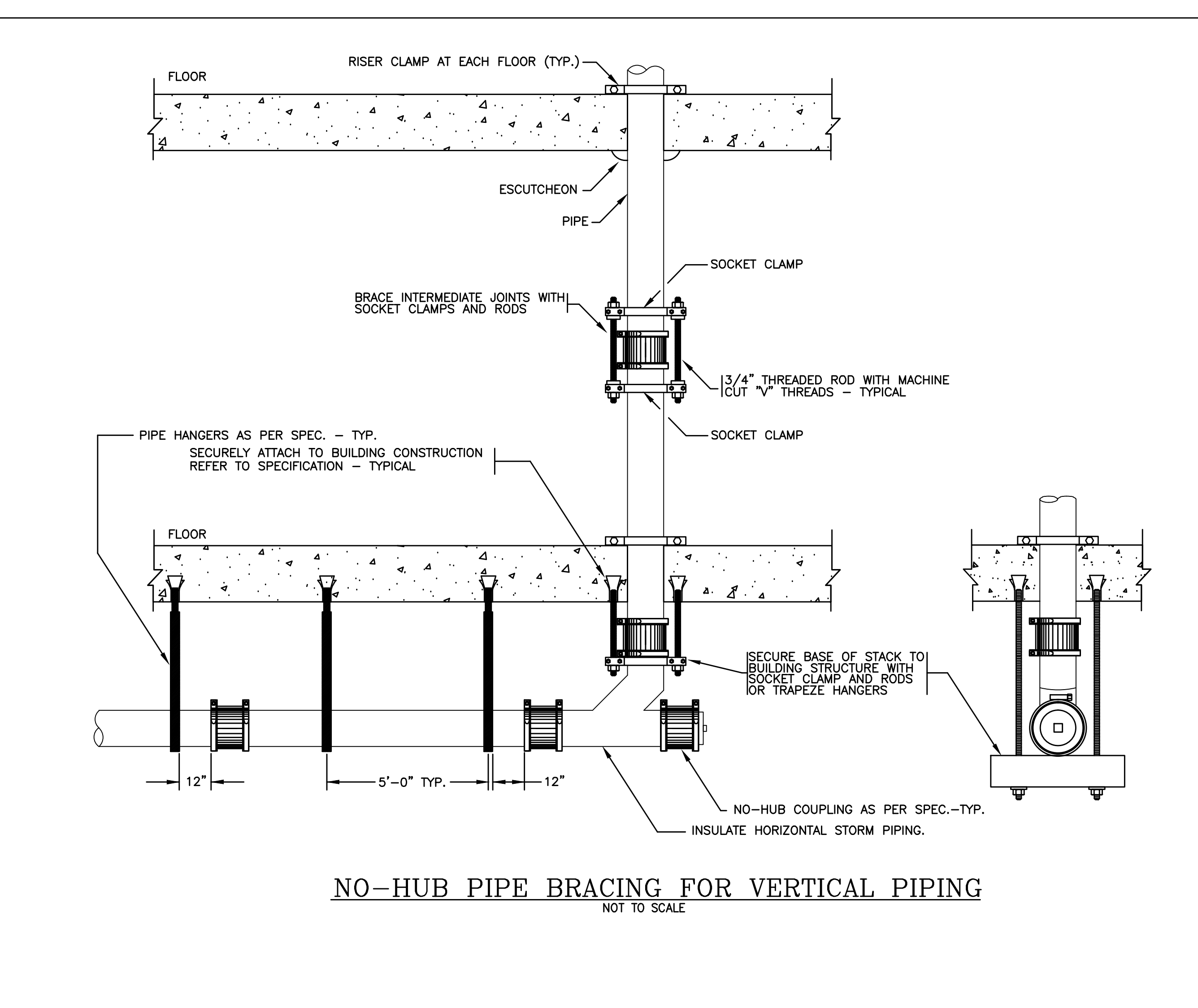
DETAIL OF MASTER PRESSURE REDUCING VALVE ASSEMBLY
NOT TO SCALE



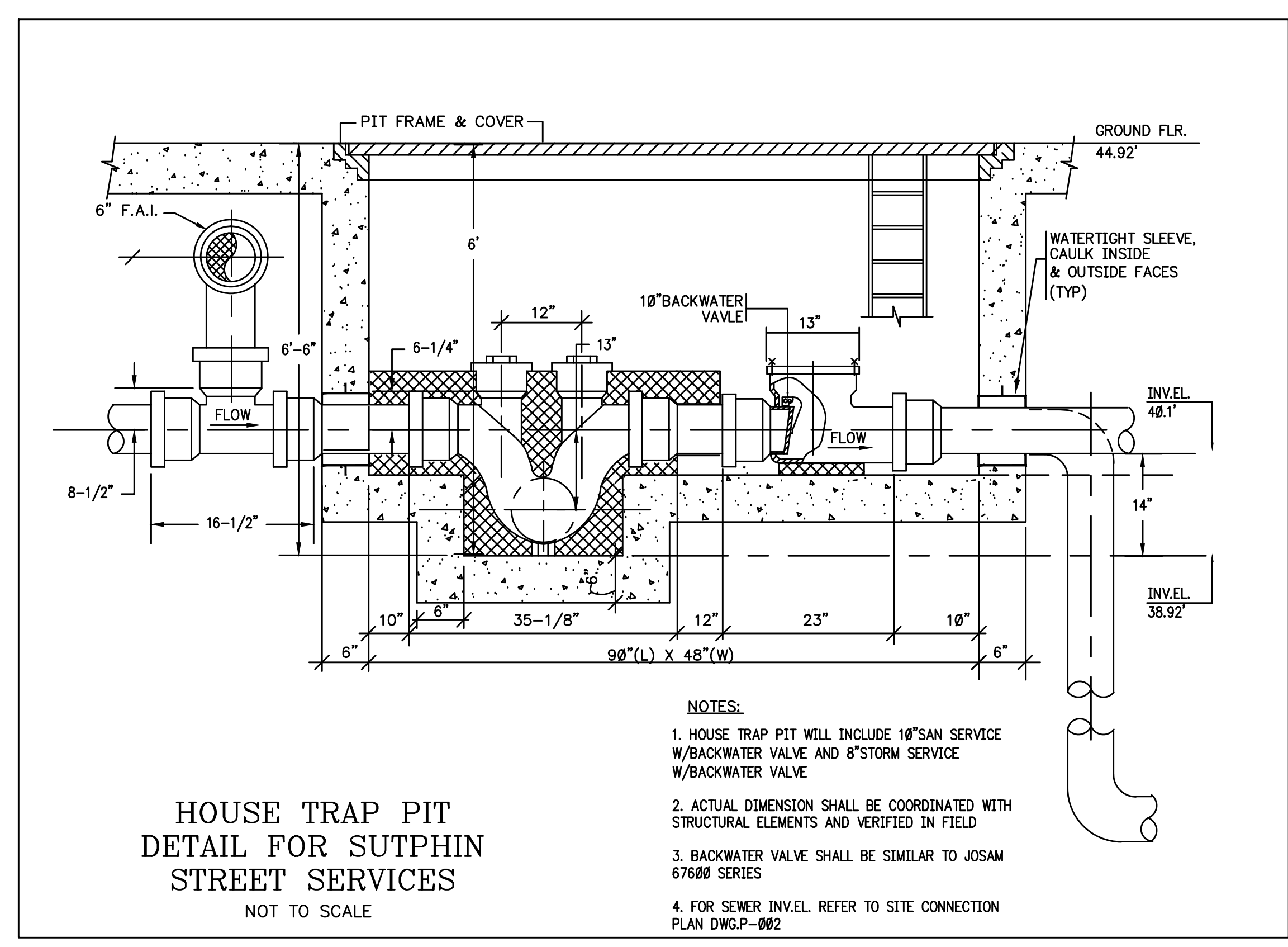
N.Y.C.-D.E.P. STANDARD TYPICAL DOMESTIC WATER METER SETTING
TYPICAL FOR COMPOUND AND TURBINE METERS WITH DOUBLE CHECK VALVE OR RPZ



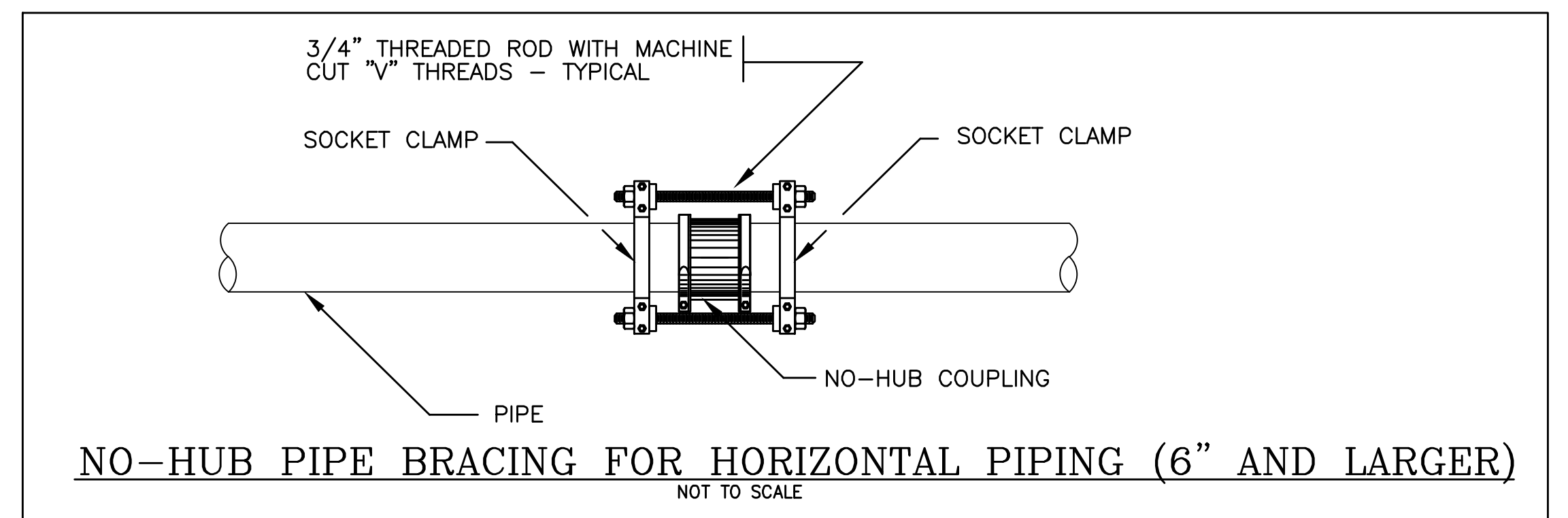
VENT THRU ROOF - FLASHING
NO SCALE



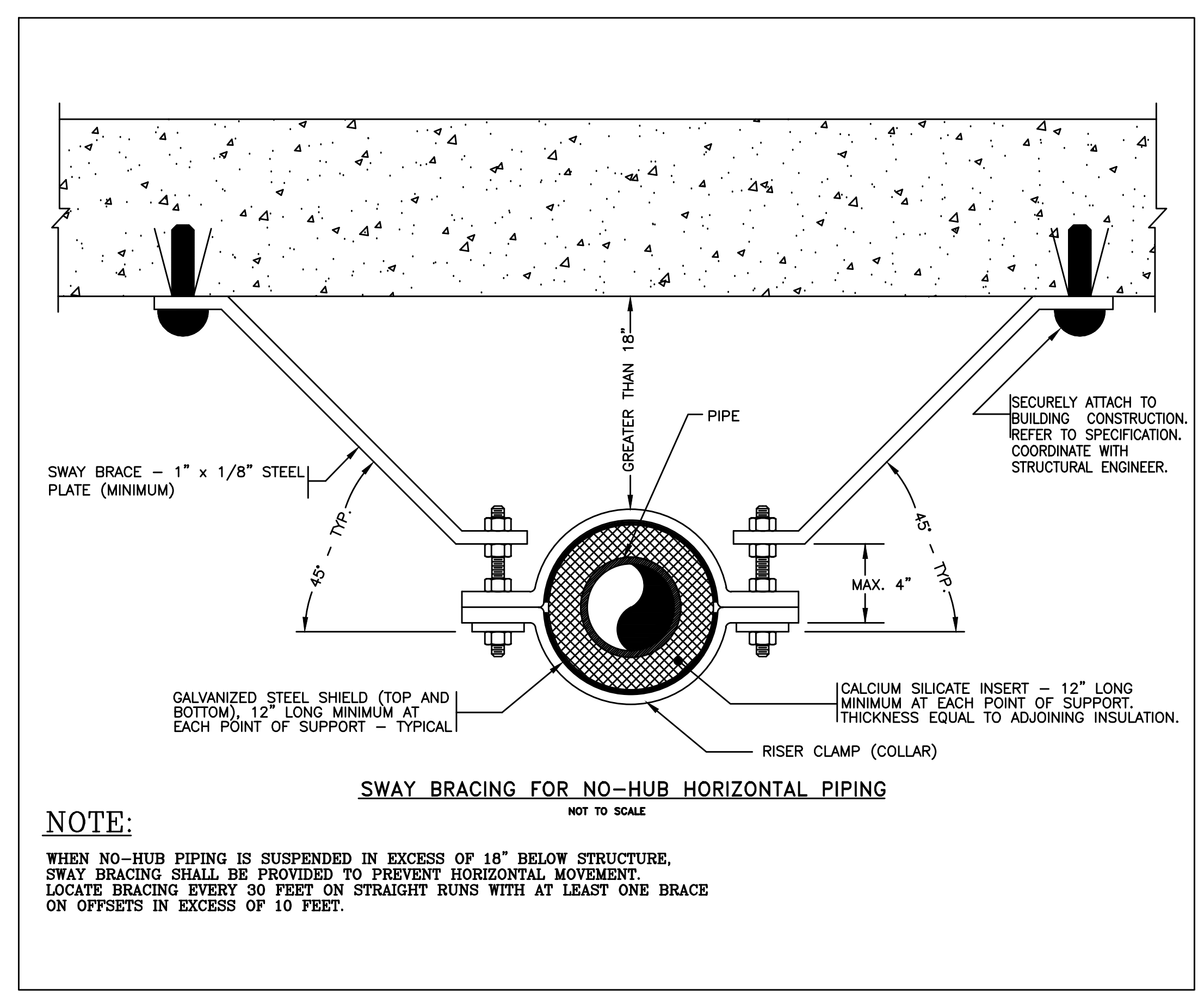
NO-HUB PIPE BRACING FOR VERTICAL PIPING
NOT TO SCALE



HOUSE TRAP PIT DETAIL FOR SUTPHIN STREET SERVICES
NOT TO SCALE



NO-HUB PIPE BRACING FOR HORIZONTAL PIPING (6" AND LARGER)
NOT TO SCALE

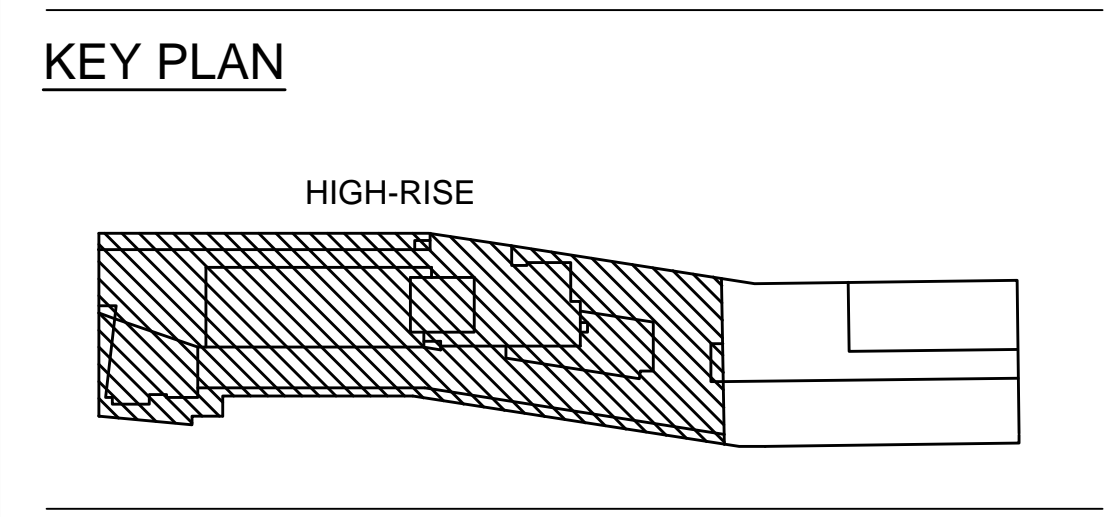


SWAY BRACING FOR NO-HUB HORIZONTAL PIPING
NOT TO SCALE

NOTE:
WHEN NO-HUB PIPING IS SUSPENDED IN EXCESS OF 18" BELOW STRUCTURE, SWAY BRACING SHALL BE PROVIDED TO PREVENT HORIZONTAL MOVEMENT. LOCATE BRACING EVERY 20 FEET ON STRAIGHT RUNS WITH AT LEAST ONE BRACE ON OFFSETS IN EXCESS OF 10 FEET.

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ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD.88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS / SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING
147-40 ARCHER AVENUE
QUEENS, NY 11435

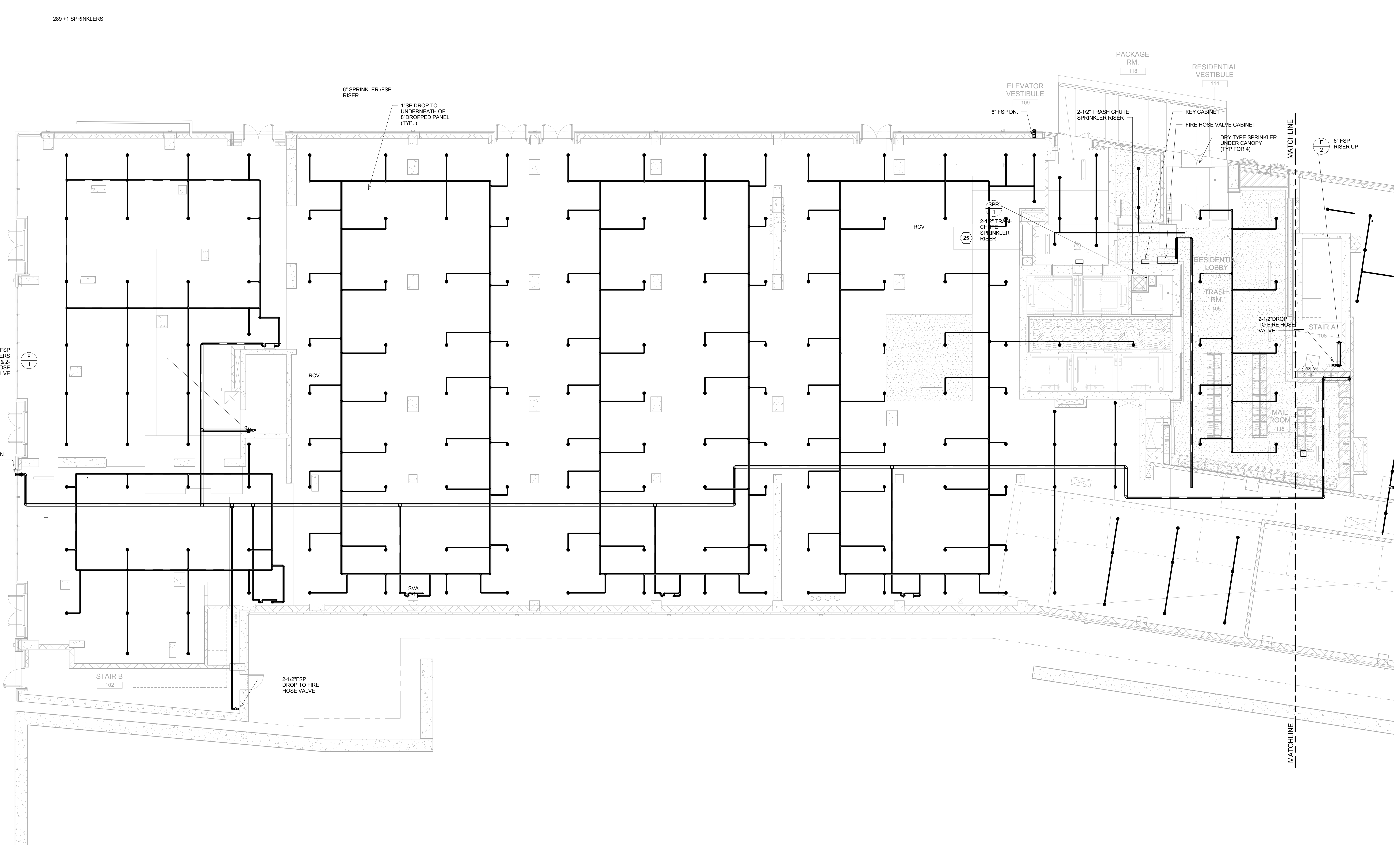
Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP 120 WEST 16TH STREET, NEW YORK, NY 10011 212.687.1700 / P. 212.488.1716 / WWW.FXFWOLE.COM
Principal Engineer: WSP 225 East 65th Street, New York, NY 10017 212.687.8888
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 495C Route 1 South, Suite 300, South, NJ 08830 908.272.3300
Civil Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 502, Brooklyn, NY 11201 718.703.5754
Lighting Engineer: S + S LIGHTING DESIGN 121 Beachwood Rd., Summit, NJ 07991 908.273.1020
Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 602, New York, NY 10018 212.515.6400
Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 125 Eighth Road, Avenue Suite 310, East Rutherford, NJ 07070 973.984.9220
TERRAIN LANDSCAPE ARCHITECTURE PC 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6080
MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 44th Street, New York, NY 10120 212.388.9200

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PLUMBING DETAILS

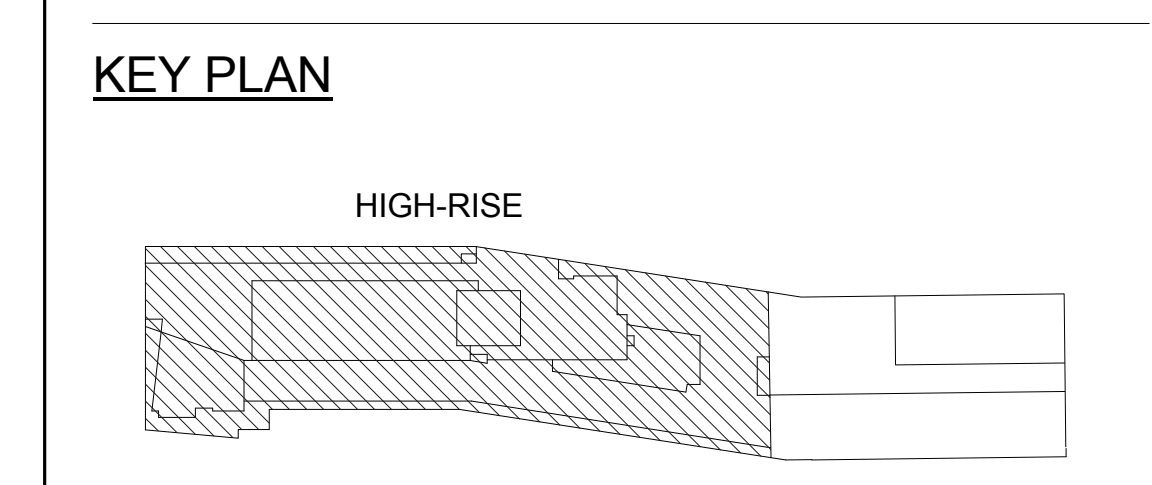
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Date: 08.15.2016
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Sheet 29 of 29

Drawing Name: C:\0519\0519A\0519A\0519A\0519A.dwg - Rev. 15 Aug 2016 - 4:08pm



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THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE

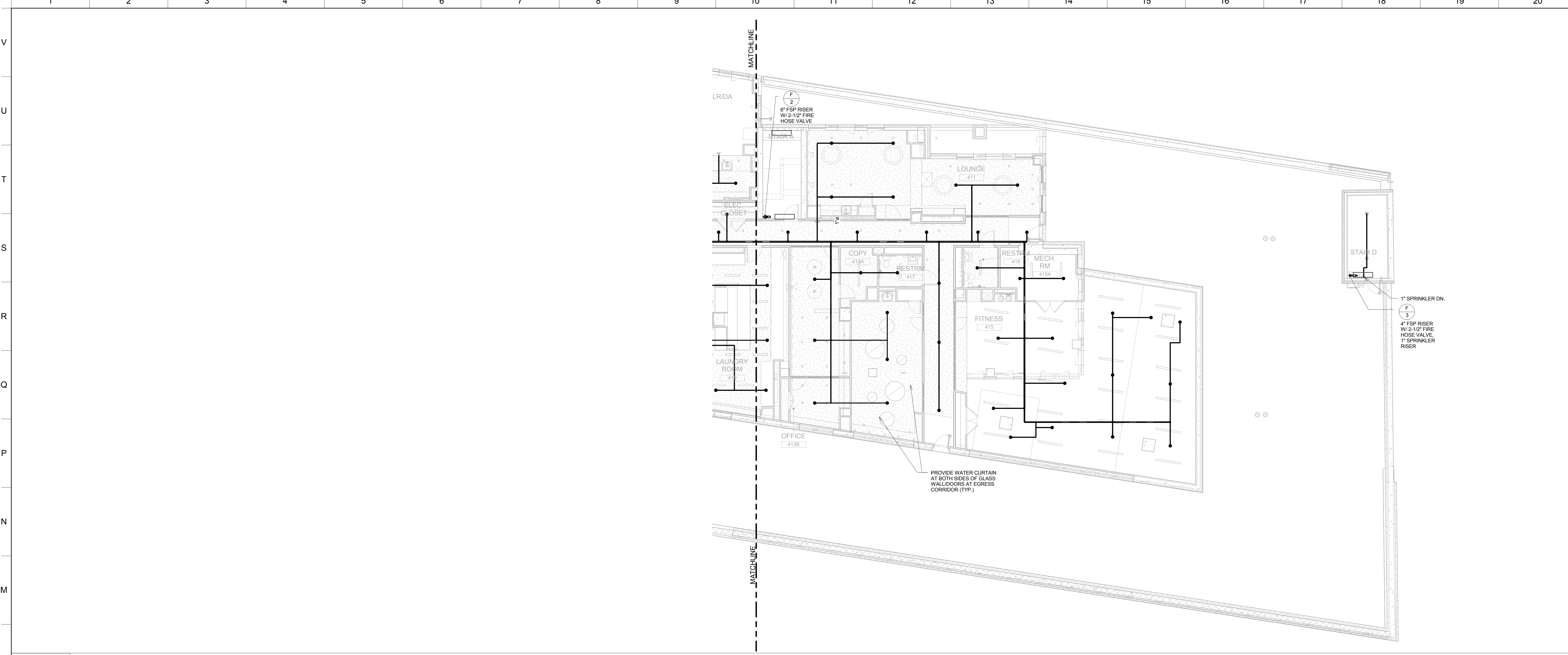
FX FOWLE ARCHITECTS, LLP | 120 WEST 59TH STREET | NEW YORK, NY 10011 | 212.621.1700 | 212.483.8716 | WWW.FXFOWLE.COM

Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888	Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.315.6600
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4850 Route 1 South, Suite 200, South, NJ 08520 908.272.3300	Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220
Civil/Construction Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.9754	Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.0500
Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520	Electrical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300

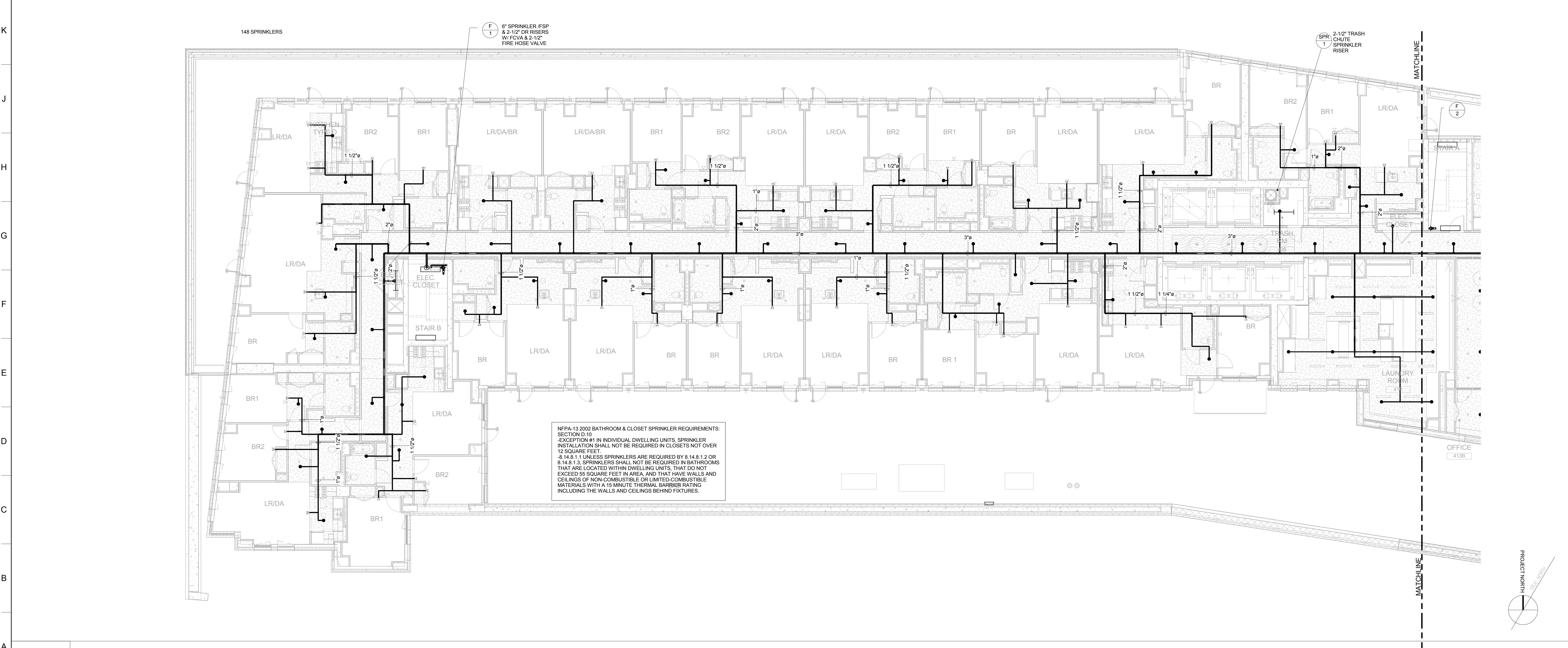
DRAWING TITLE:
GROUND FLOOR SPRINKLER & STANDPIPE PLAN - WEST

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	Reviewed: IB	Drawing No.:
	Date: 08/15/16	
	Scale: 1/8" = 1'-0"	
	Sheet 3 of 18	

SP/SD-202.00



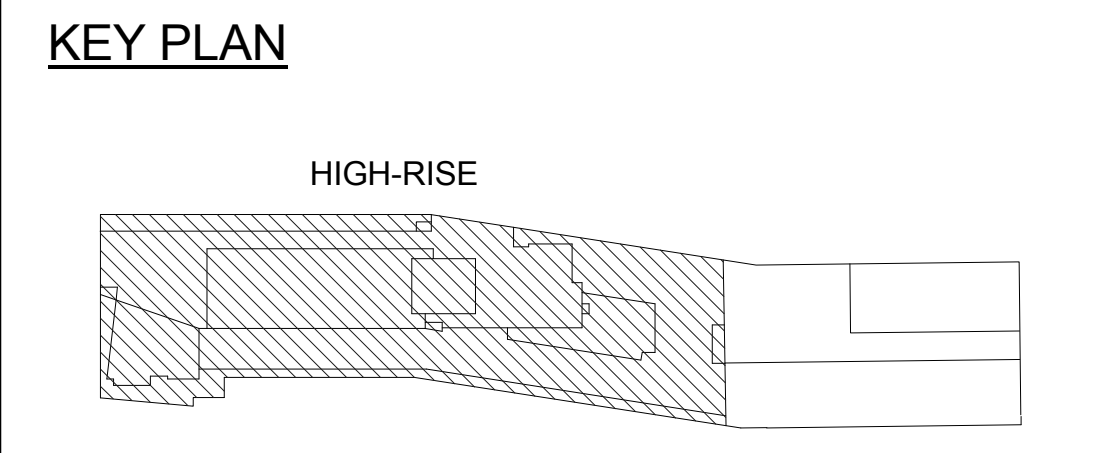
2 4TH FLOOR SPRINKLER & STANDPIPE PLAN - EAST
1/8" = 1'-0"



1 4TH FLOOR SPRINKLER & STANDPIPE PLAN - WEST
1/8" = 1'-0"

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NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS | SUBMISSIONS | DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017.212.488.1750

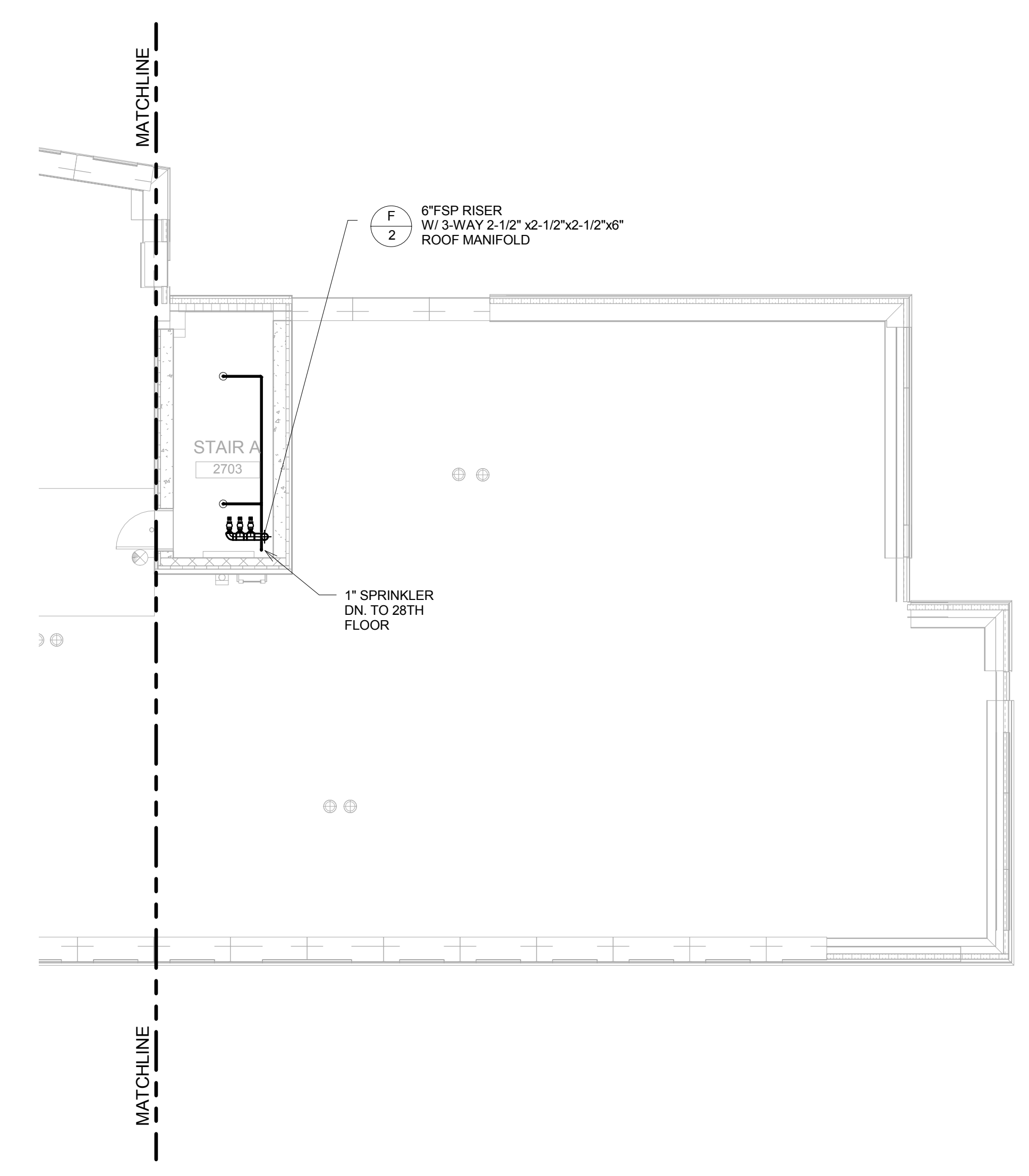
FX FOWLE
FX FOWLE ARCHITECTS, LLP | 120 WEST 59TH STREET | NEW YORK, NY 10019 | 212.488.1750 | WWW.FXFWLE.COM

- | | |
|--|--|
| Structural Engineer:
WSP
228 East 45th Street, New York, NY 10017. 212.488.8888 | Architect/Contractor:
LONGMAN LINDSEY
1410 Broadway, Suite 506, New York, NY 10018. 212.515.6600 |
| Mechanical, Electrical, Plumbing and Fire Protection Engineer:
ICOR ASSOCIATES
4805 Middle Island Road, Suite 200, East Norwich, NY 11933. 631.272.3300 | Vertical Transportation Consultant:
VAN DEUSEN & ASSOCIATES
120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07936. 973.994.9220 |
| Construction Cost Engineer:
ENERGY CONCEPTS ENGINEERING, P.C.
25 Chapel Street, Suite 902, Brooklyn, NY 11201. 718.701.9754 | Landscape Architect:
TERRAIN LANDSCAPE ARCHITECTURE PC
200 Park Avenue South, Suite 1401, New York, NY 10003. 212.537.0500 |
| Lighting Designer:
S + S LIGHTING DESIGN
125 Beachwood Drive, Summit, NJ 07901. 908.273.1520 | Geotechnical Engineer:
MUESER RUTLEDGE CONSULTING ENGINEERS
225 West 34th Street, New York, NY 10122. 917.338.9330 |

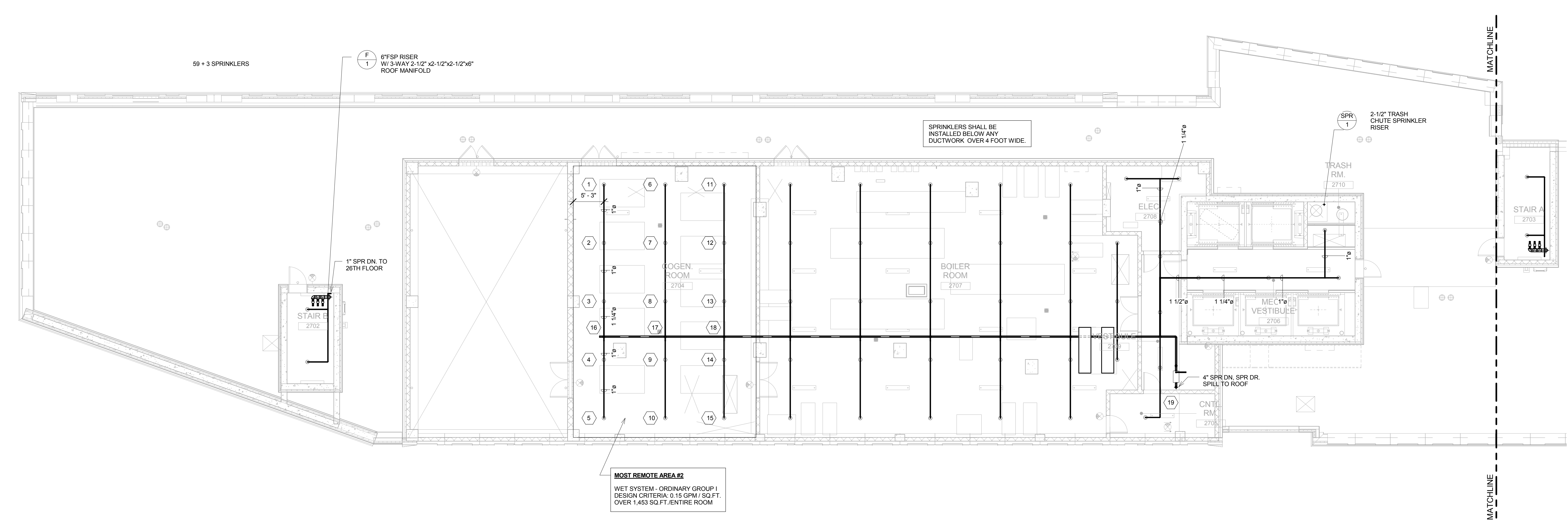
DRAWING TITLE:
4TH FLOOR SPRINKLER & STANDPIPE PLAN

Scale:	Drawn: TW	Project No.: 14015.L00
	Checked: IV	Cad File: SPP/Jamaica_HighRise_MEP
	Reviewed: IB	Drawing No.:
	Date: 08/15/16	
	Scale: 1/8" = 1'-0"	
		Sheet 7 of 18

SP/SD-206.00



2 29TH FLOOR (MECHANICAL) SPRINKLER & STANDPIPE PLAN - EAST
1/8" = 1'-0"

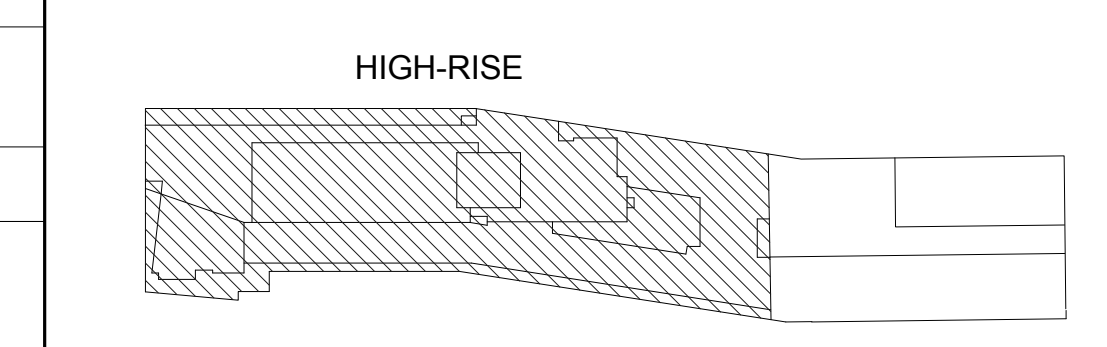


1 29TH FLOOR (MECHANICAL) SPRINKLER & STANDPIPE PLAN - WEST
1/8" = 1'-0"

* 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.

ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.095 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK, NEW JERSEY

KEY PLAN



NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS | SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

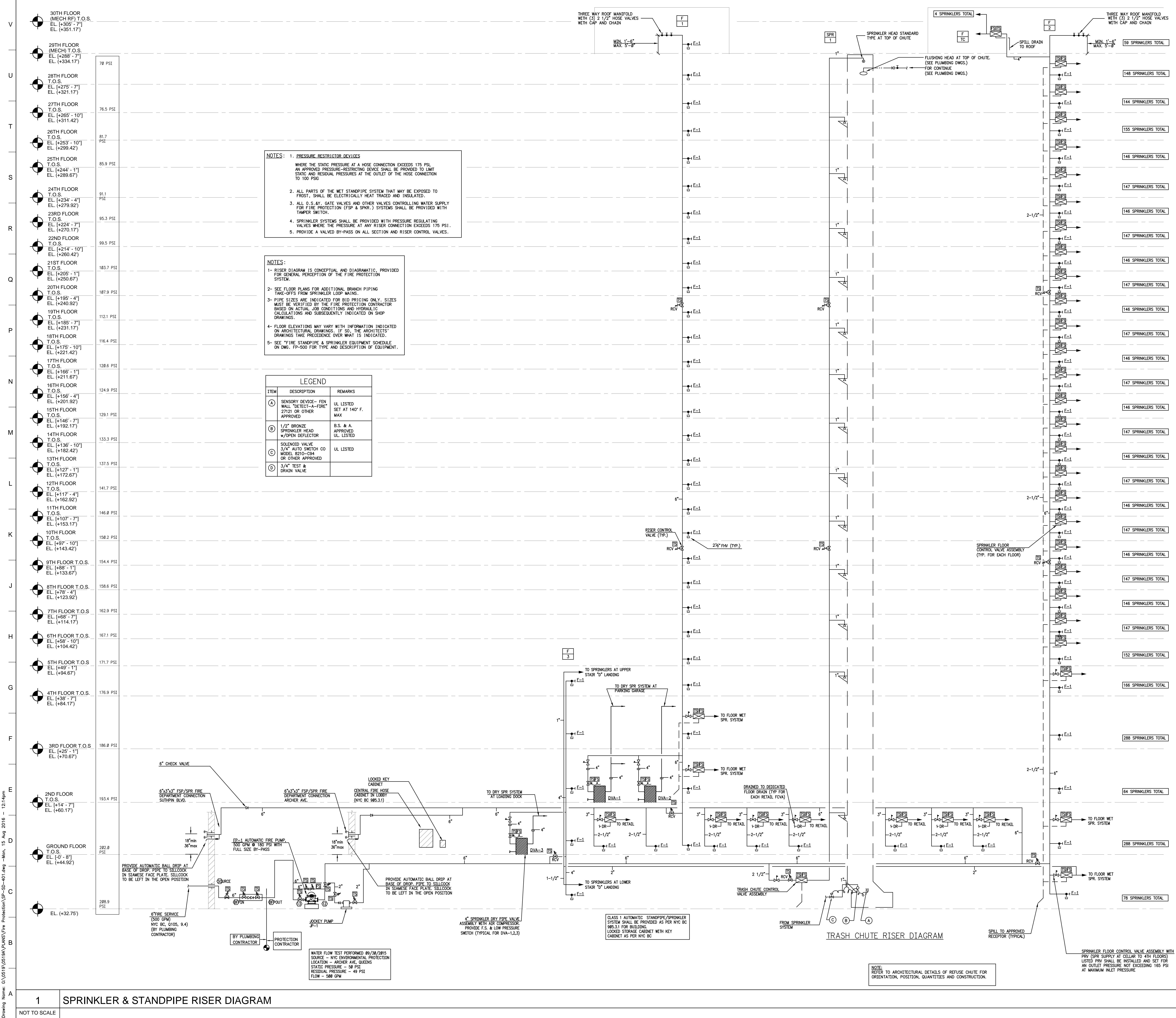
Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP | 122 WEST 85TH STREET | NEW YORK, NY 10024 | 212.488.8716 | WWW.FXFWOLE.COM

<p>Structural Engineer: WSP 228 East 45th Street, New York, NY 10017 212.687.8888</p> <p>Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4805 Route 1 South, Suite 200, South, NJ 08520 908.272.3300</p> <p>Civil/Construction Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 25 Chapel Street, Suite 902, Brooklyn, NY 11201 718.701.8754</p> <p>Lighting Designer: S + S LIGHTING DESIGN 121 Beachwood Drive, Summit, NJ 07901 908.273.1520</p>	<p>Architect/Designer: LONGMAN LINDSEY 1410 Broadway, Suite 506, New York, NY 10018 212.637.6600</p> <p>Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 120 Edge Rock Avenue, Suite 210, East Hanover, NJ 07956 973.994.9220</p> <p>Landscape Architect: TERRAIN LANDSCAPE ARCHITECTURE P.C. 200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6990</p> <p>Geotechnical Engineer: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 54th Street, New York, NY 10122 917.338.9300</p>
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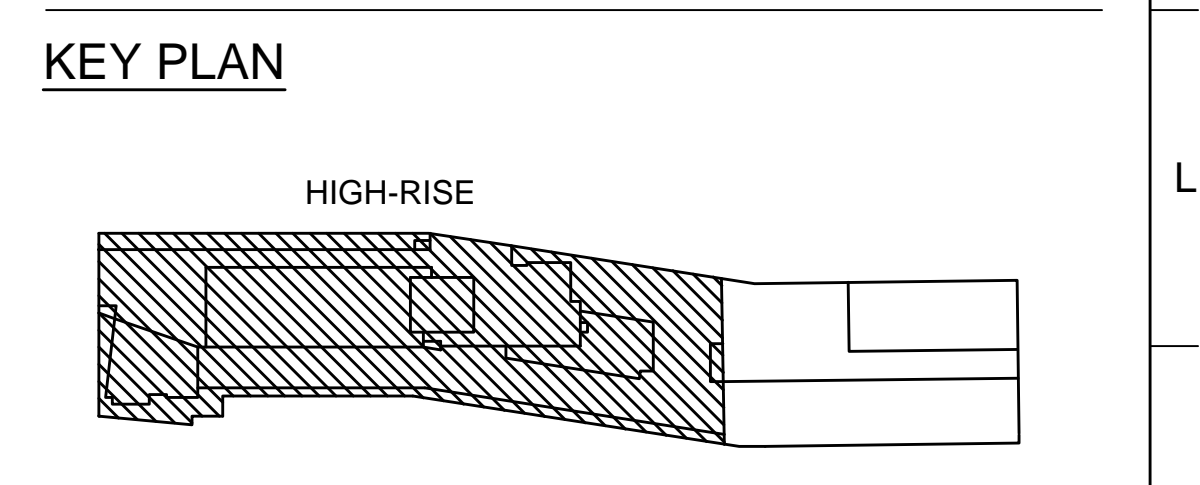
DRAWING TITLE:
29TH FLOOR (MECHANICAL) SPRINKLER & STANDPIPE PLAN

<p>Drawn: TW</p> <p>Checked: IV</p> <p>Reviewed: IB</p> <p>Date: 08/15/16</p> <p>Scale: 1/8" = 1'-0"</p>	<p>Project No.: 14015.L00</p> <p>Client File: SRP/Jamaica_HighRise_MEP</p> <p>Drawing No.:</p>	<p>Sheet 14 of 18</p> <p>SP/SD-213.00</p>
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NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.2016
REVISIONS / SUBMISSIONS DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE

Principal Engineer: WSP
228 East 65th Street, New York, NY 10017 212.687.8888

Associate Engineer: LONGMAN LINDSEY
1410 Broadway, Suite 502, New York, NY 10018 212.515.8400

Historical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES
4902 Route 1 South, Suite 200, South Plainfield, NJ 08850 908.272.3300

Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES
125 Eagle Road, Suite 100, East Rutherford, NJ 07070 973.984.9220

Construction Consultant: ENERGY CONCEPTS ENGINEERING, P.C.
25 Chapel Street, Suite 502, Brooklyn, NY 11201 718.703.5754

General Contractor: TERRAIN LANDSCAPE ARCHITECTURE PC
200 Park Avenue South, Suite 1401, New York, NY 10003 212.537.6080

Lighting Engineer: S + S LIGHTING DESIGN
171 Beachwood Rd., Summit, NJ 07991 908.273.1020

General Contractor: MUESER RUTLEDGE CONSULTING ENGINEERS
225 West 34th Street, New York, NY 10018 212.339.9000

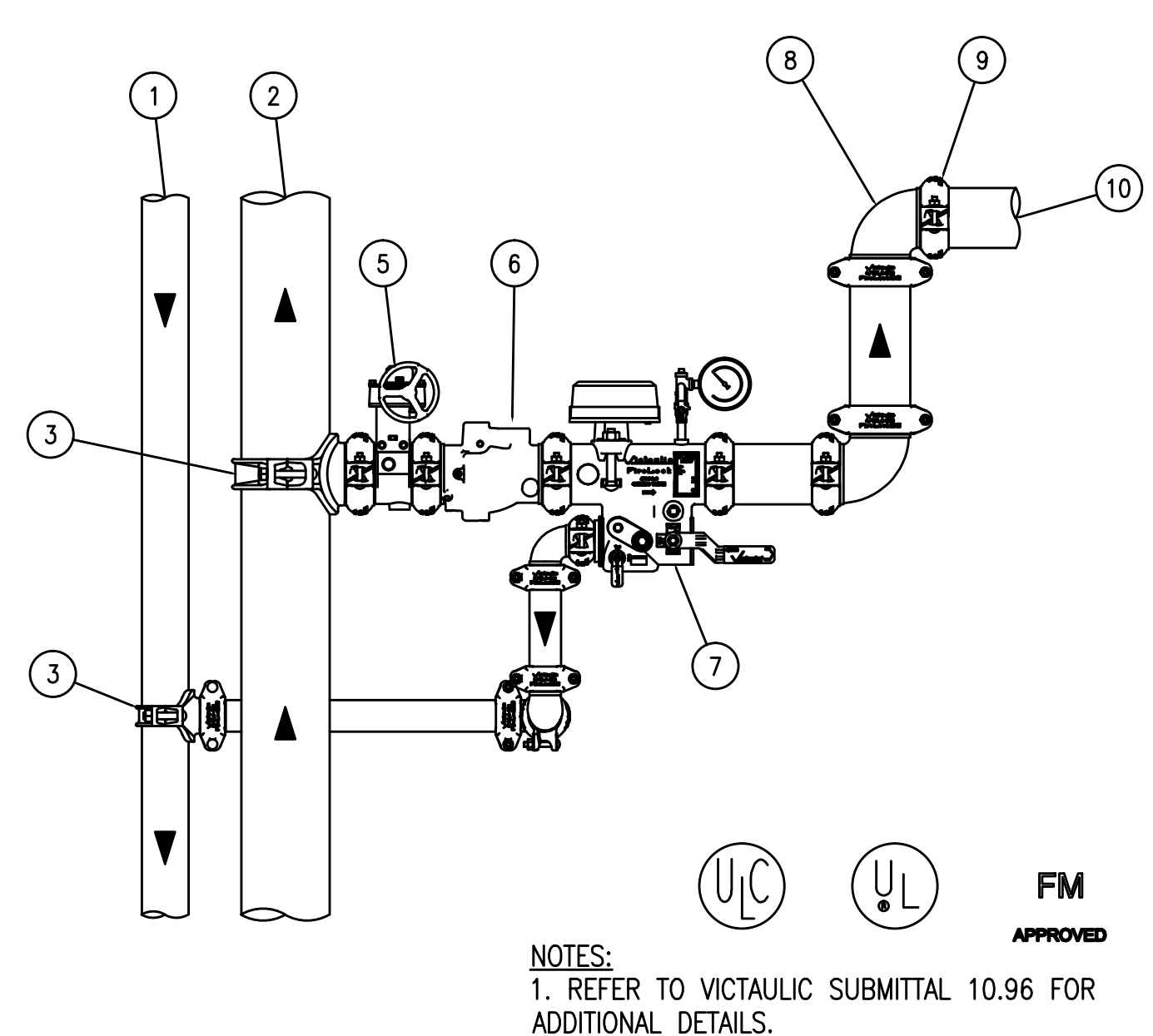
DRAWING TITLE:
SPRINKLER & STANDPIPE RISER DIAGRAM

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Reviewed:	IB	File Name:	SP-SD-401.dwg
Date:	08.15.2016	Drawing No.:	
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SP/SD-401.00

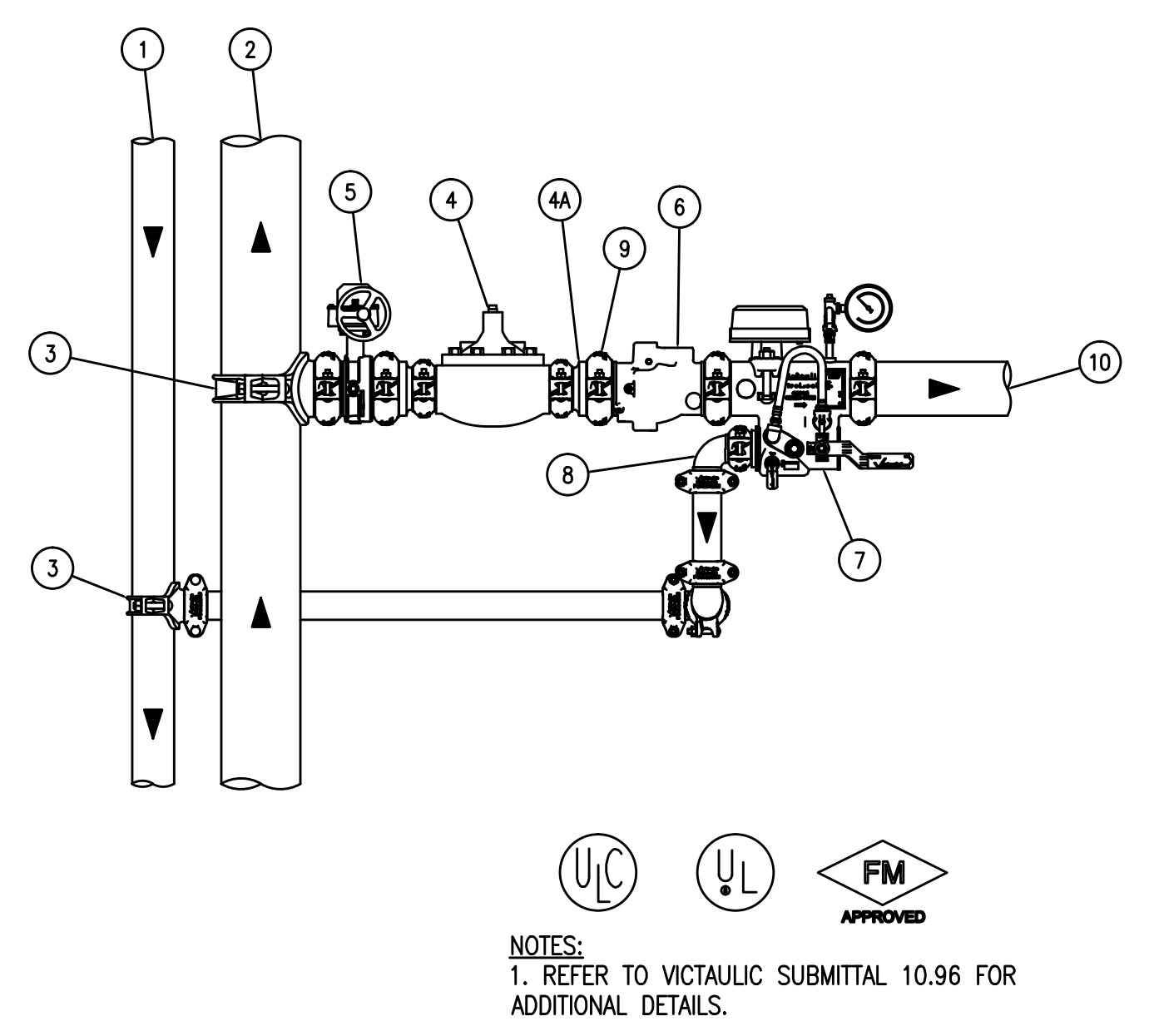
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PRODUCT LEGEND	
1	DRAIN RISER
2	RISER
3	1/2" MECHANICAL TEE STYLE 009
4	NOT USED
5	1/2" FIRELOCK BUTTERFLY VALVE SERIES 705W
6	1/2" FIRELOCK CHECK VALVE SERIES 717
7	1/2" FIRELOCK ZONE CONTROL RISER MODULE SERIES 747M
8	1/2" FIRELOCK 90 DEG ELBOW No. 001
9	1/2" FIRELOCK EZ RIGID COUPLING STYLE 009 (OR) RIGID COUPLING STYLE 005
10	TO SPRINKLER SYSTEM
11	UL LISTED FM APPROVED FLOW SWITCH (SYSTEM SENSOR MODEL WFO)
12	PRESSURE GAUGE
13	ISOLATION VALVE FOR GAUGE
14	NOT USED
15	SHUT OFF VALVE (OFFSET HANDLE FOR ACCESS ON BOTH SIDES)
16	TEST GLASS (VISIBLE FROM BOTH SIDES)
17	TEST AND DRAIN VALVE (HANDLE ON BOTH SIDES)
18	GROUND DRAIN CONNECTION SEE VICTAULIC SUBMITTAL NUMBER 1036

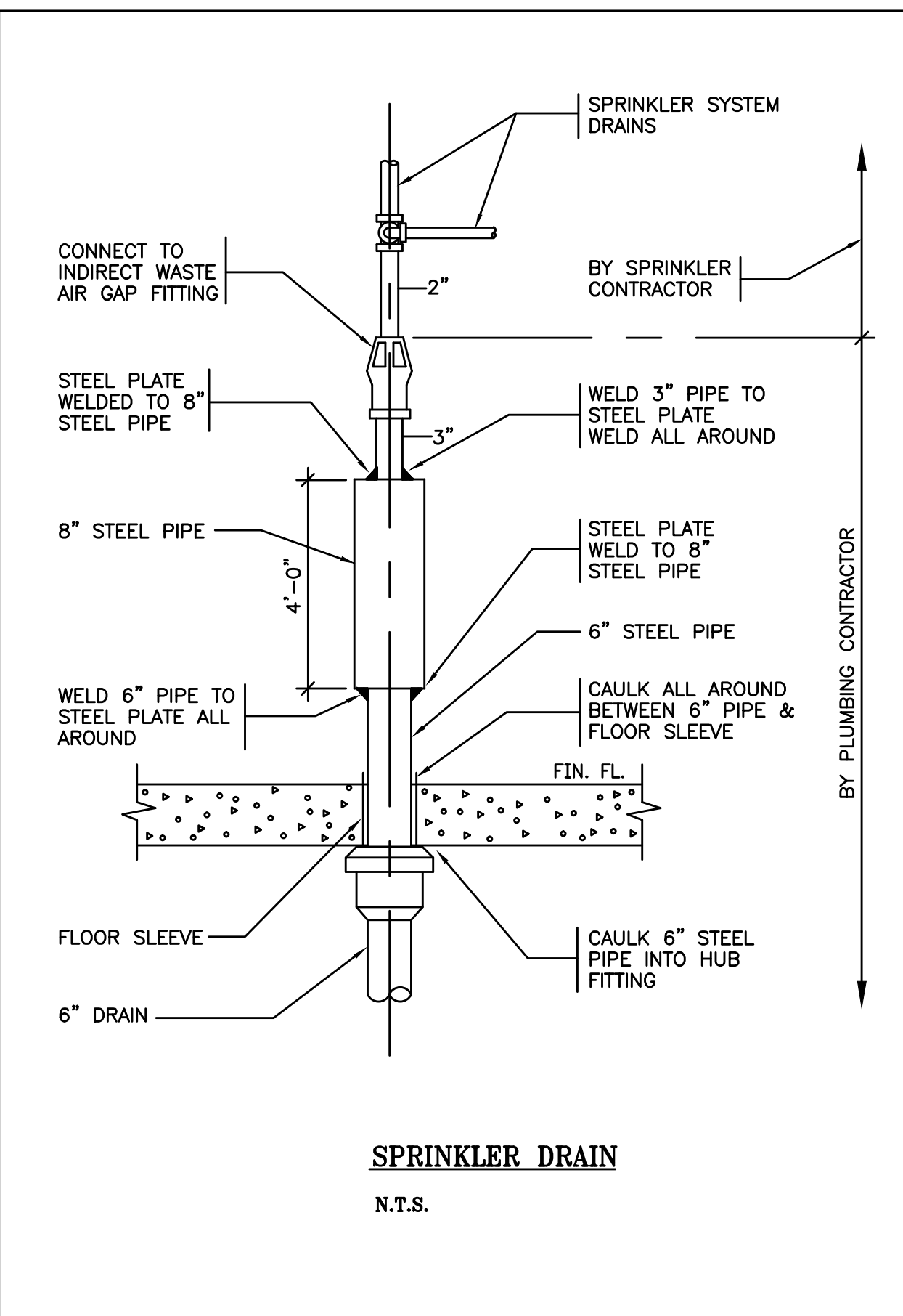


ZONE CONTROL RISER VALVE ASSEMBLY WITH ISOLATION VALVE & CHECK VALVE
NOT TO SCALE

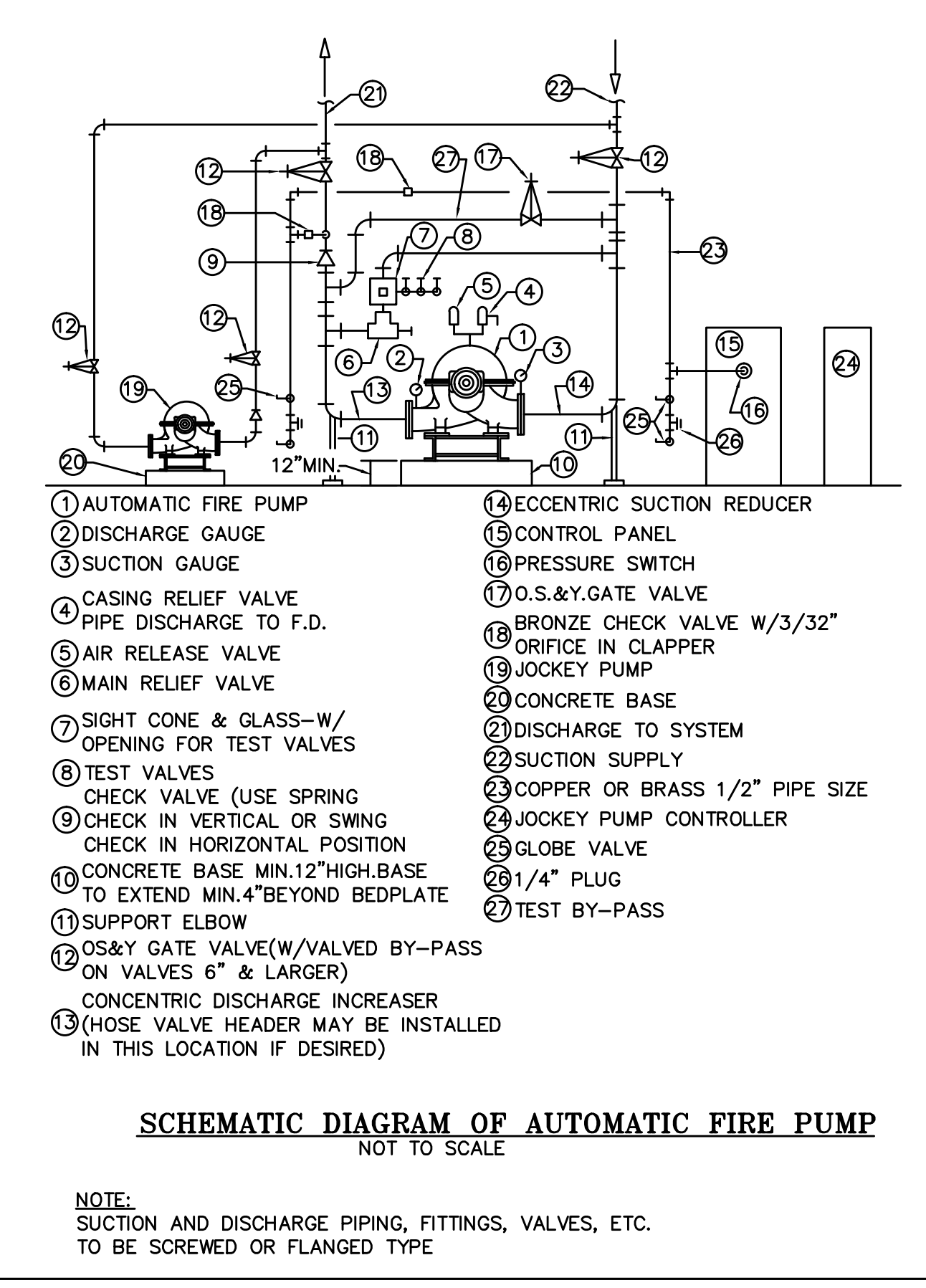
PRODUCT LEGEND	
1	DRAIN RISER
2	RISER - 1/2" STYLE 75, 77 STAINLESS COUPLING FOR SEISMIC APPLICATION
3	1/2" MECHANICAL TEE STYLE 009
4	PROSSER REDUCING VALVE (NOT VICTAULIC)
5	1/2" CONE REDUCER No. 30
6	1/2" FIRELOCK BUTTERFLY VALVE SERIES 705
7	1/2" FIRELOCK CHECK VALVE SERIES 717
8	1/2" FIRELOCK ZONE CONTROL RISER MODULE SERIES 747M W/PSI RELIEF VALVE
9	1/2" FIRELOCK 90 DEG ELBOW No. 001
10	1/2" FIRELOCK EZ RIGID COUPLING STYLE 009H (OR) RIGID COUPLING STYLE 005
11	TO SPRINKLER SYSTEM
12	UL LISTED FM APPROVED FLOW SWITCH (SYSTEM SENSOR MODEL WFO)
13	PRESSURE GAUGE
14	ISOLATION VALVE FOR GAUGE
15	SHUT OFF VALVE (OFFSET HANDLE FOR ACCESS ON BOTH SIDES)
16	TEST GLASS (VISIBLE FROM BOTH SIDES)
17	TEST AND DRAIN VALVE (HANDLE ON BOTH SIDES)
18	GROUND DRAIN CONNECTION SEE VICTAULIC SUBMITTAL NUMBER 1036



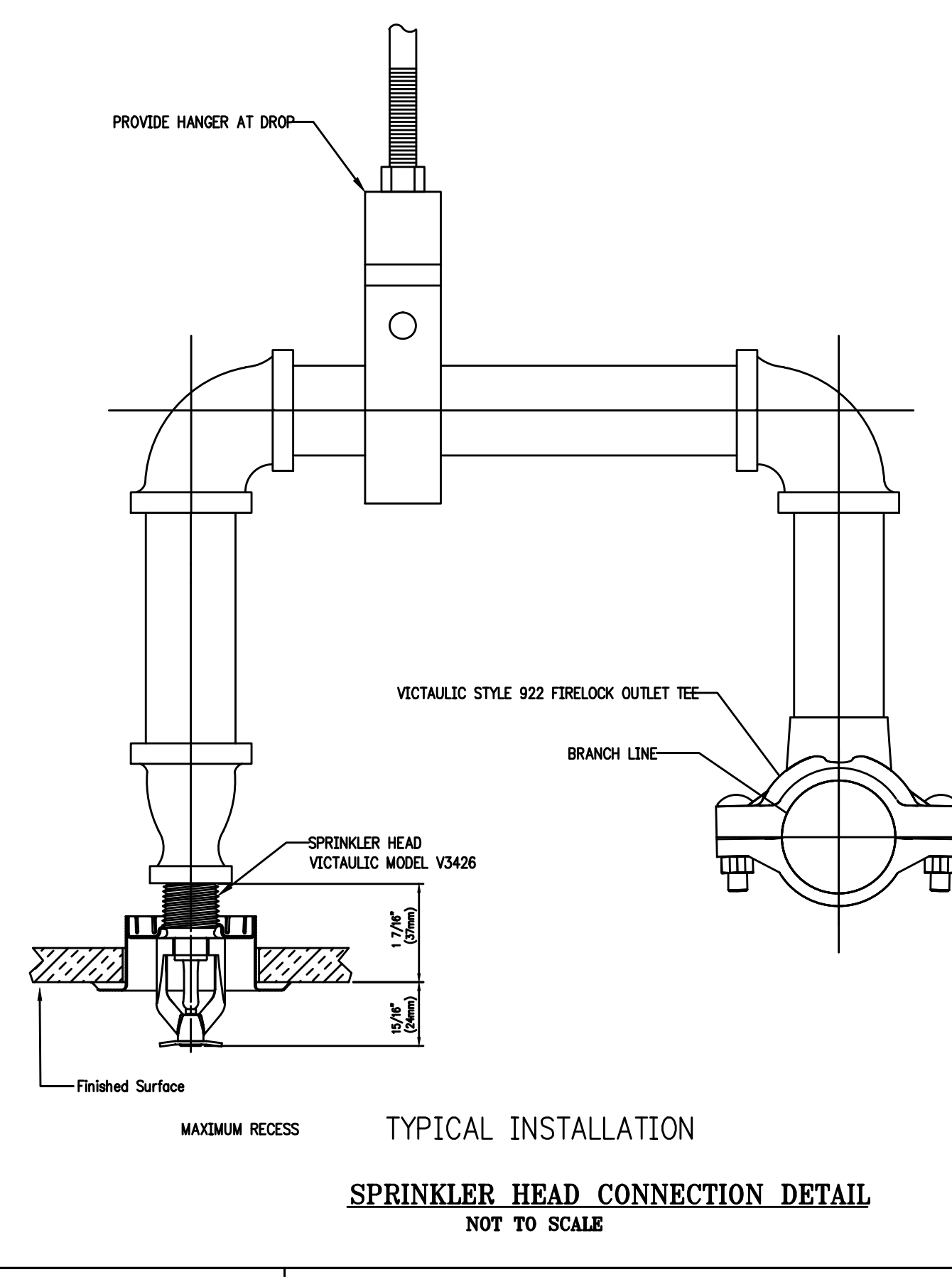
ZONE CONTROL RISER VALVE ASSEMBLY WITH ISOLATION VALVE, CHECK VALVE, AND PRV
NOT TO SCALE



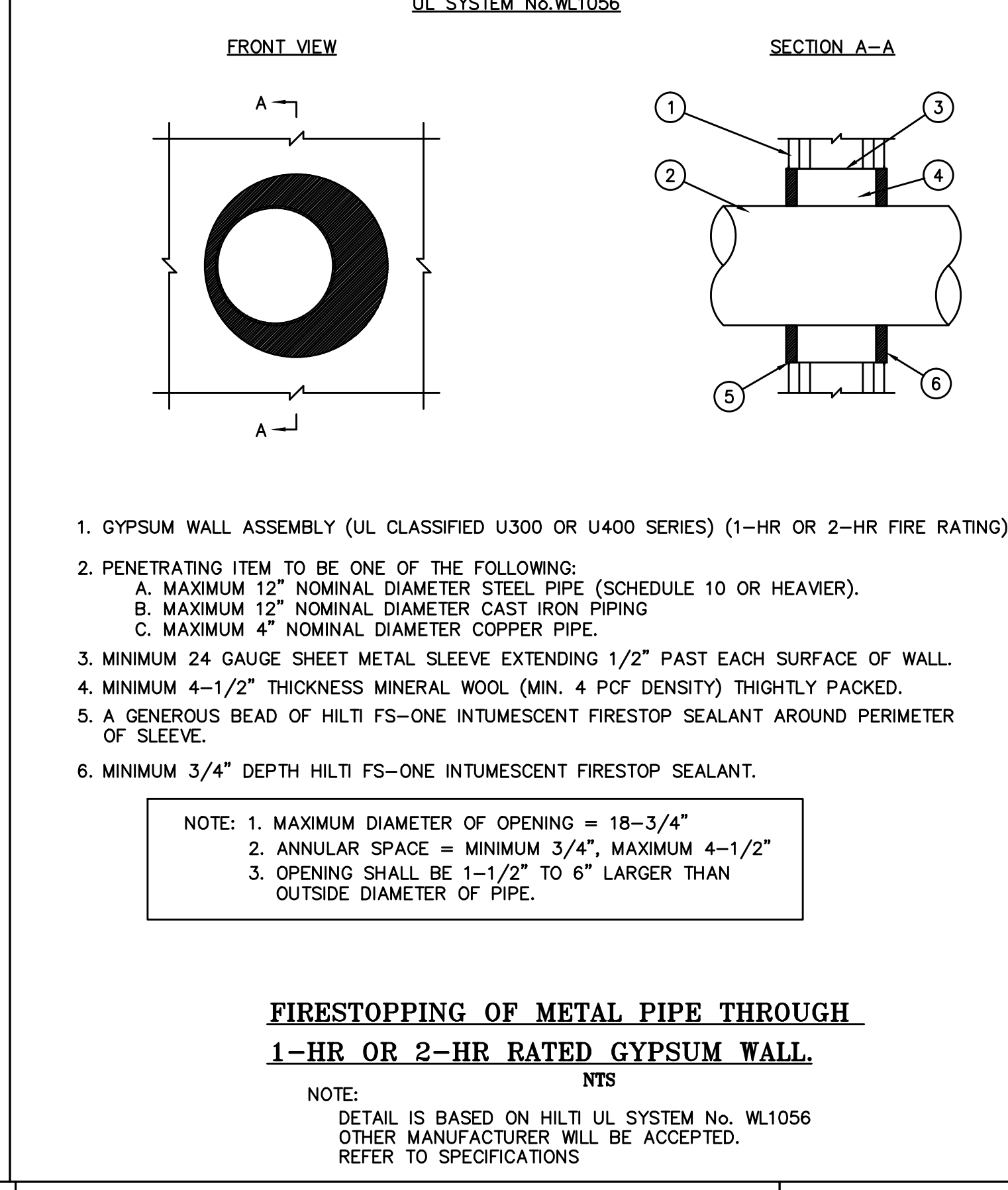
SPRINKLER DRAIN
N.T.S.



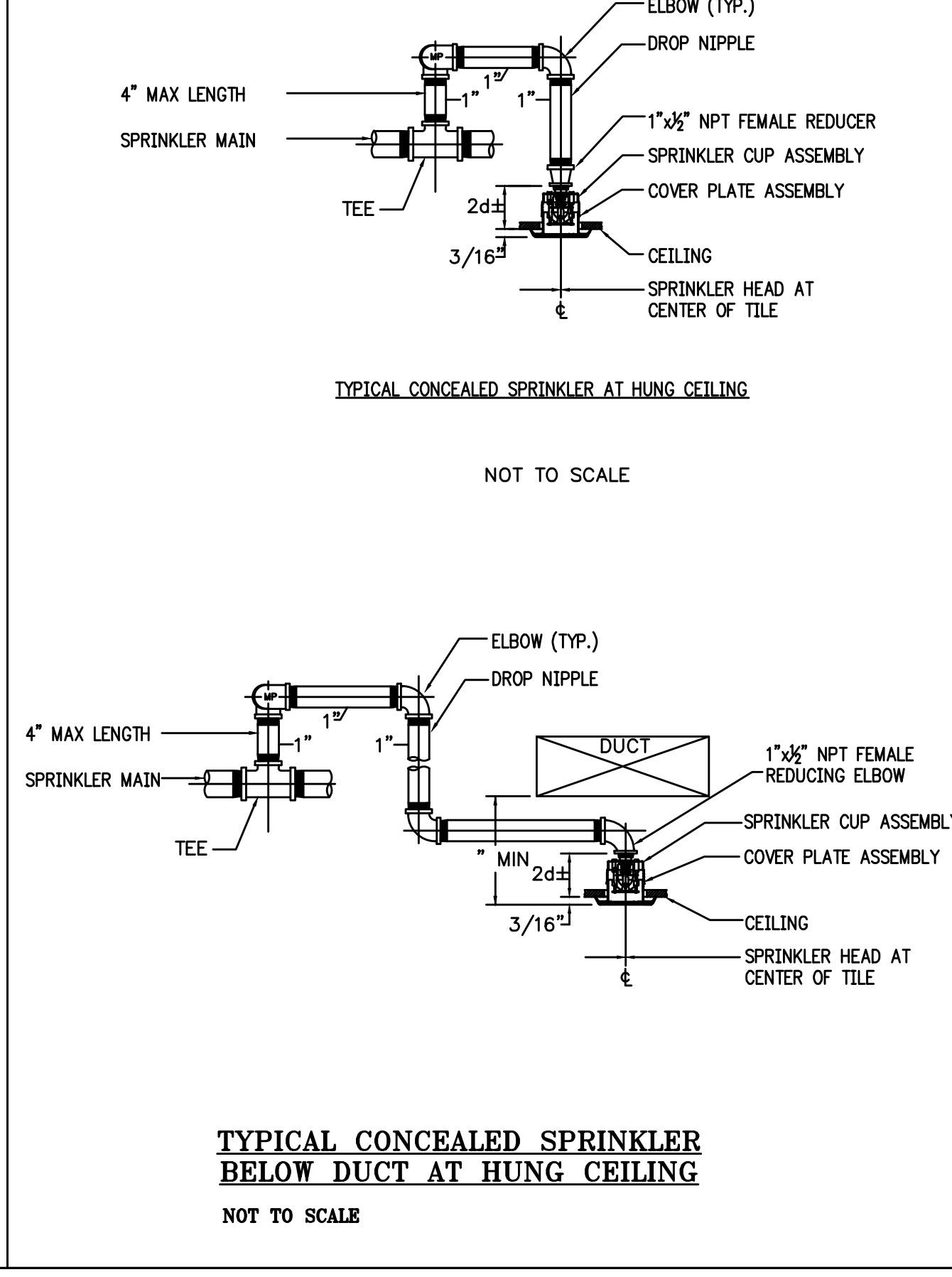
SCHEMATIC DIAGRAM OF AUTOMATIC FIRE PUMP
NOT TO SCALE



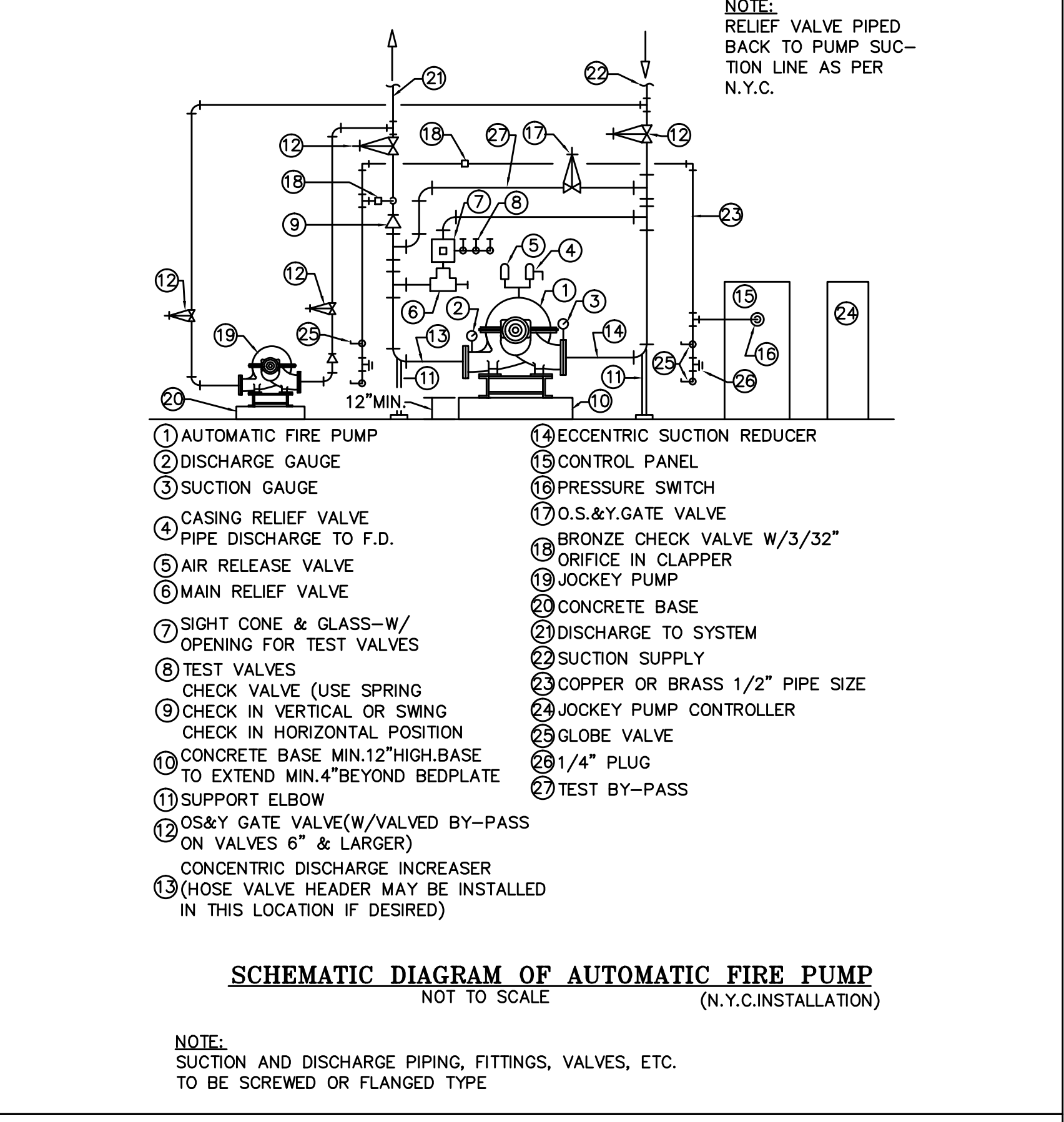
SPRINKLER HEAD CONNECTION DETAIL
NOT TO SCALE



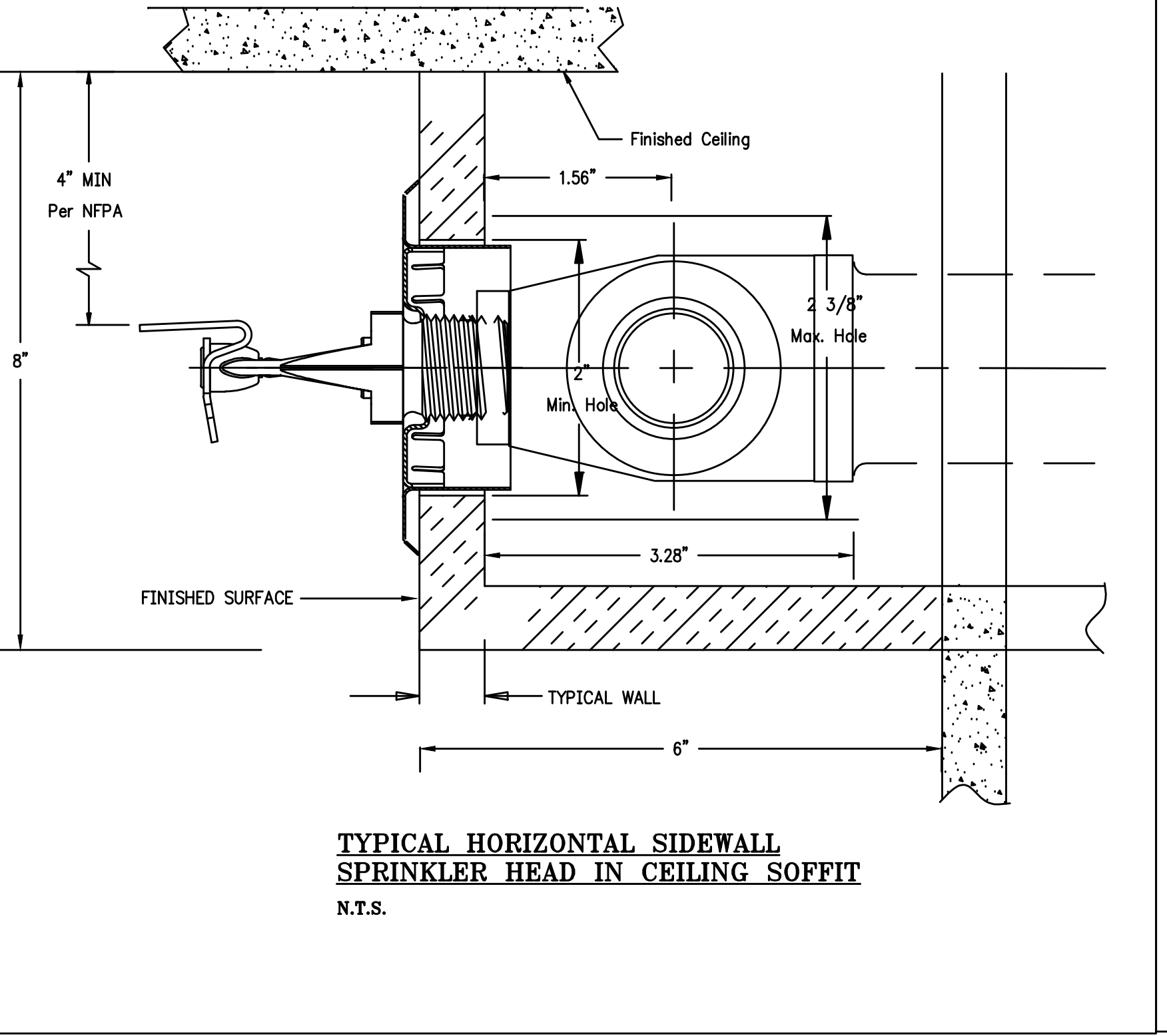
FIRESTOPPING OF METAL PIPE THROUGH 1-HR OR 2-HR RATED GYPSUM WALL
N.T.S.



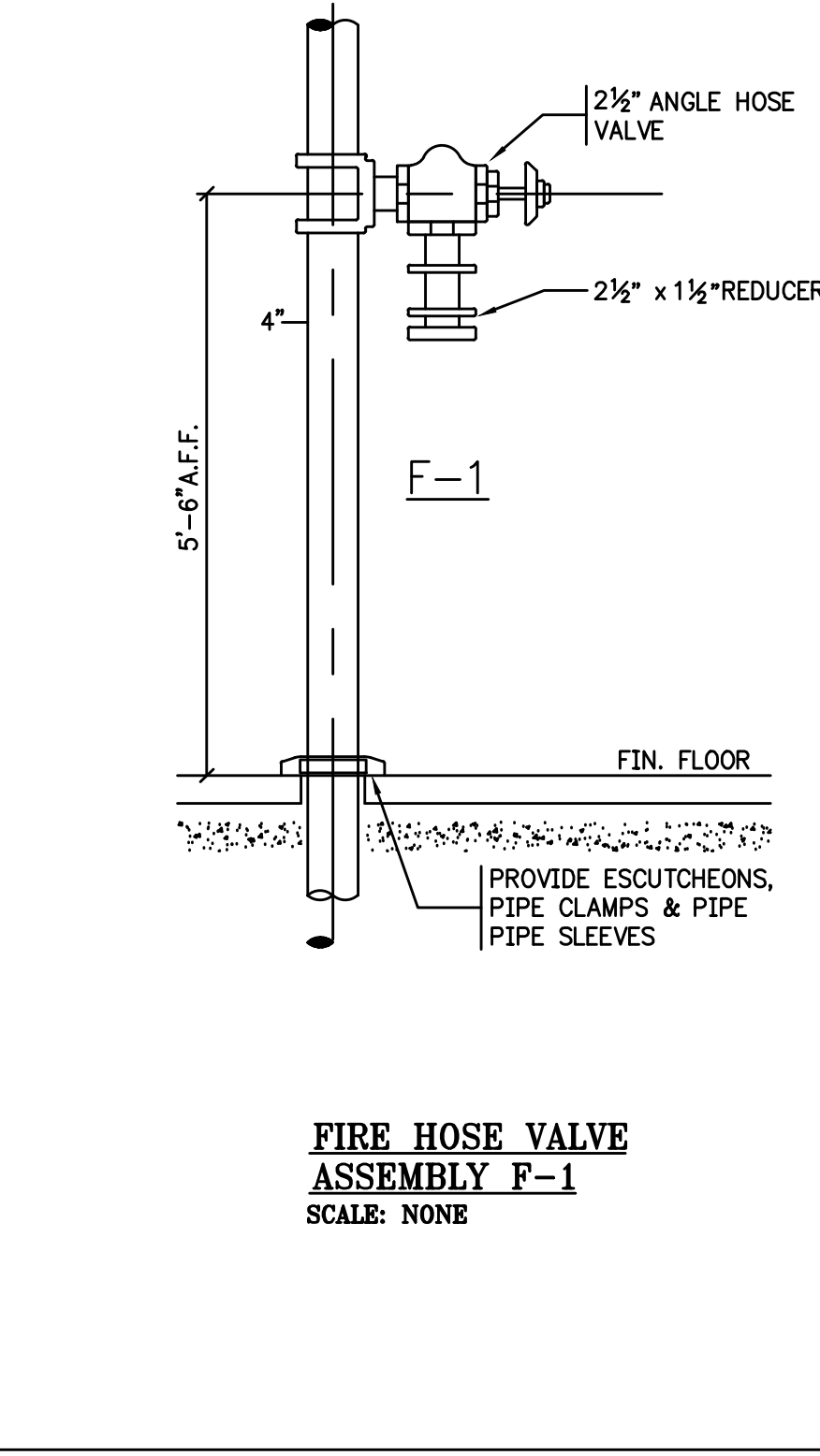
TYPICAL CONCEALED SPRINKLER BELOW DUCT AT HUNG CEILING
NOT TO SCALE



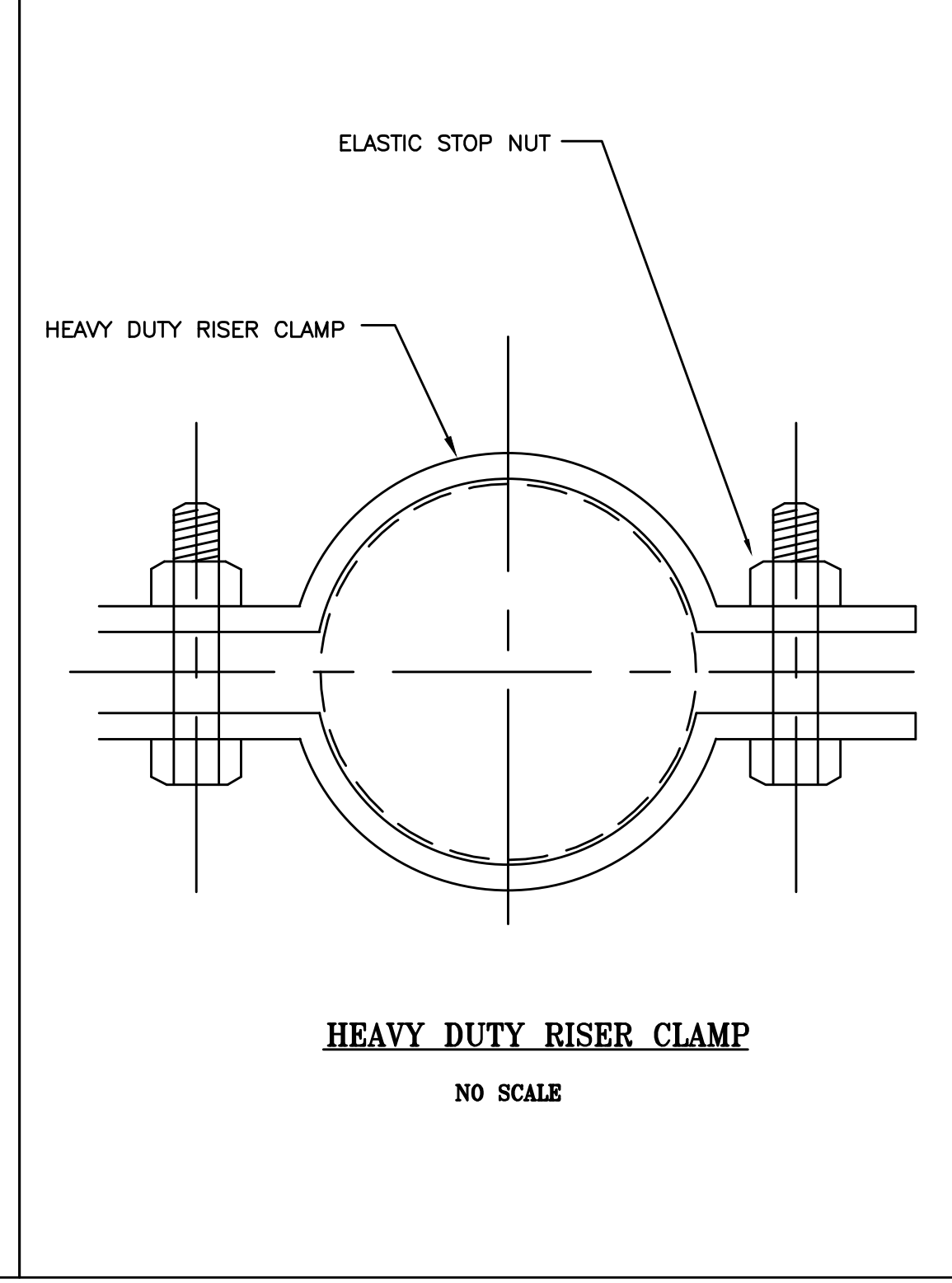
SCHEMATIC DIAGRAM OF AUTOMATIC FIRE PUMP (N.Y.C. INSTALLATION)
NOT TO SCALE



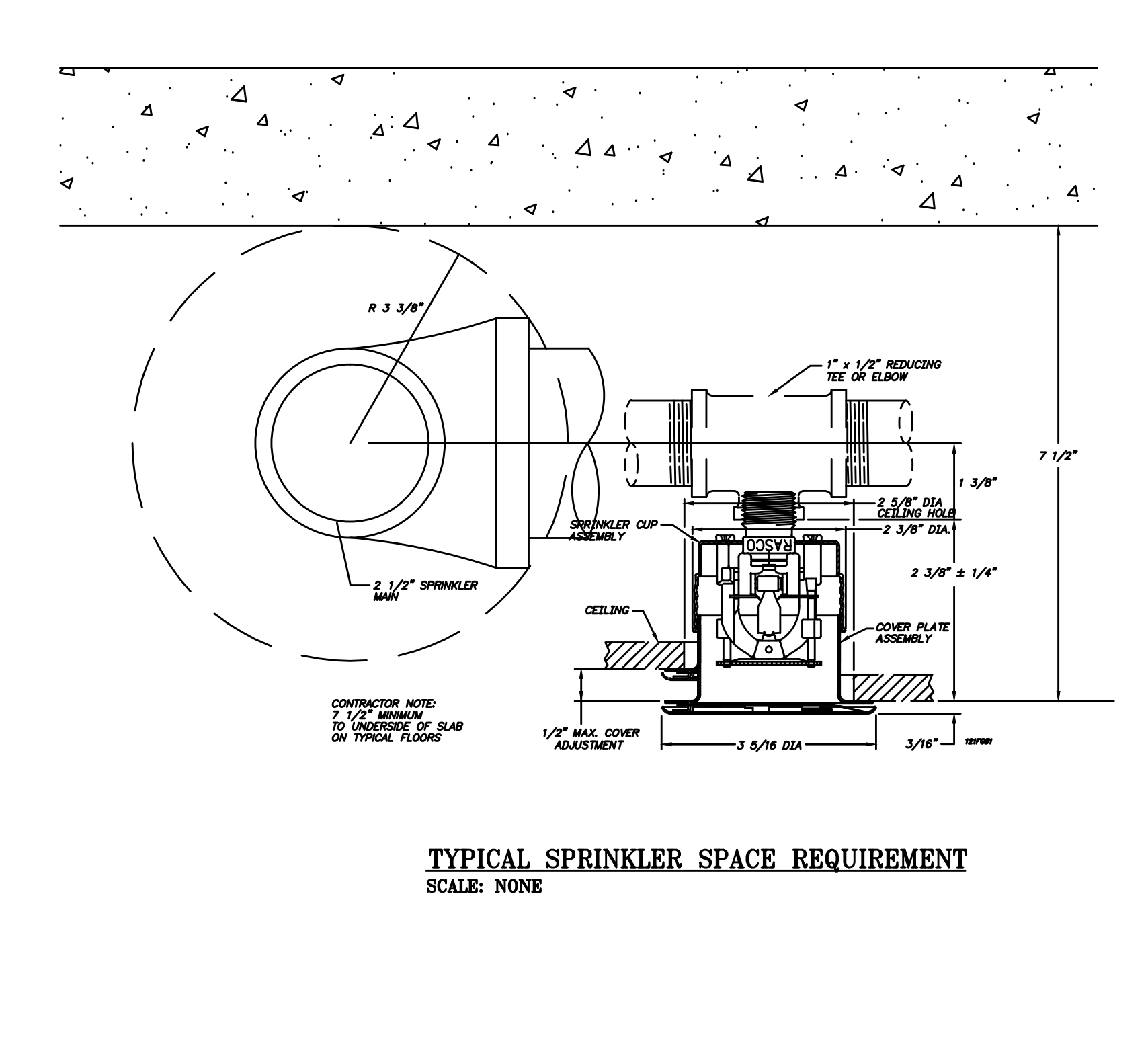
TYPICAL HORIZONTAL SIDEWALL SPRINKLER HEAD IN CEILING SOFFIT
N.T.S.



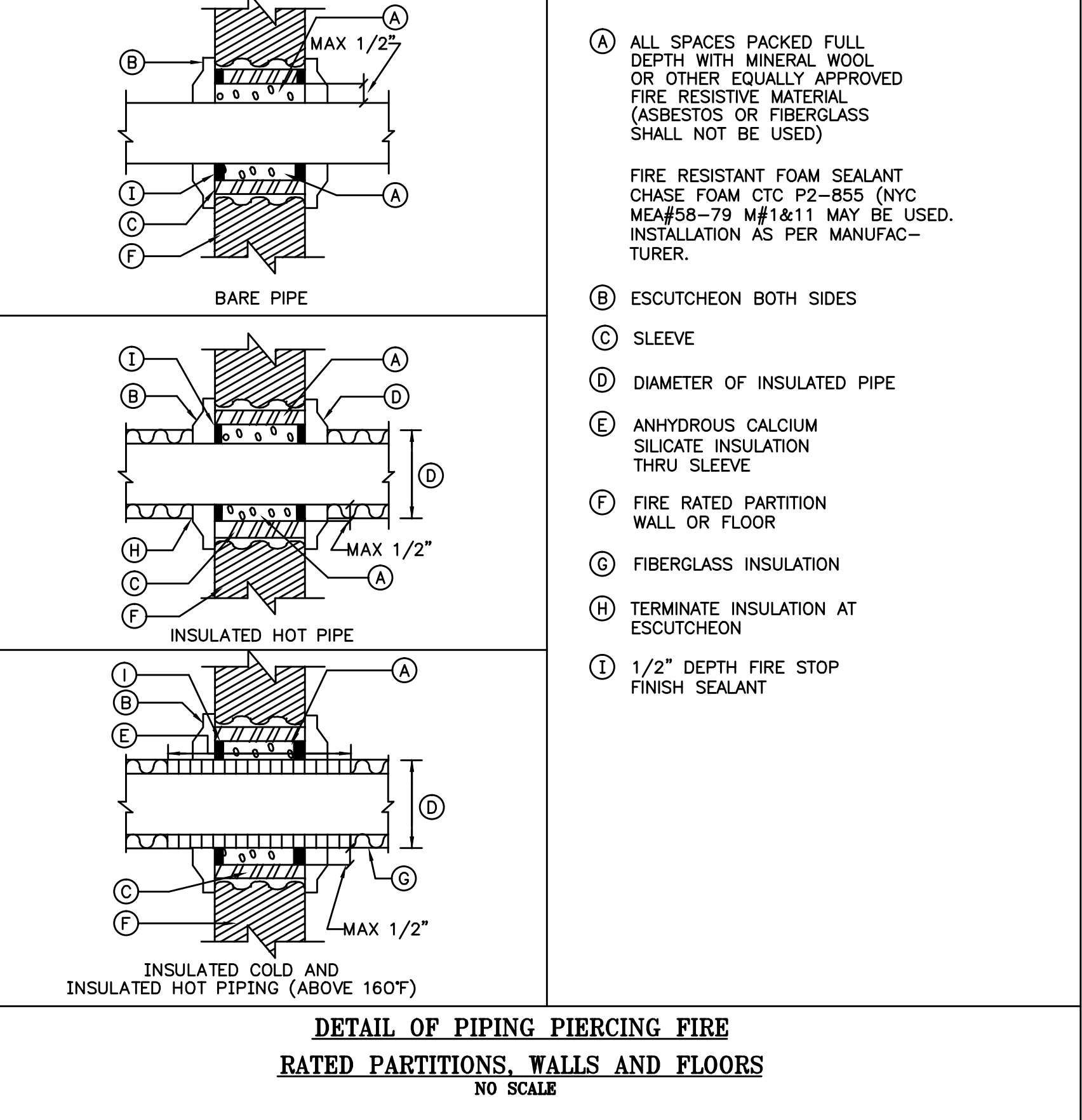
FIRE HOSE VALVE ASSEMBLY F-1
SCALE: NONE



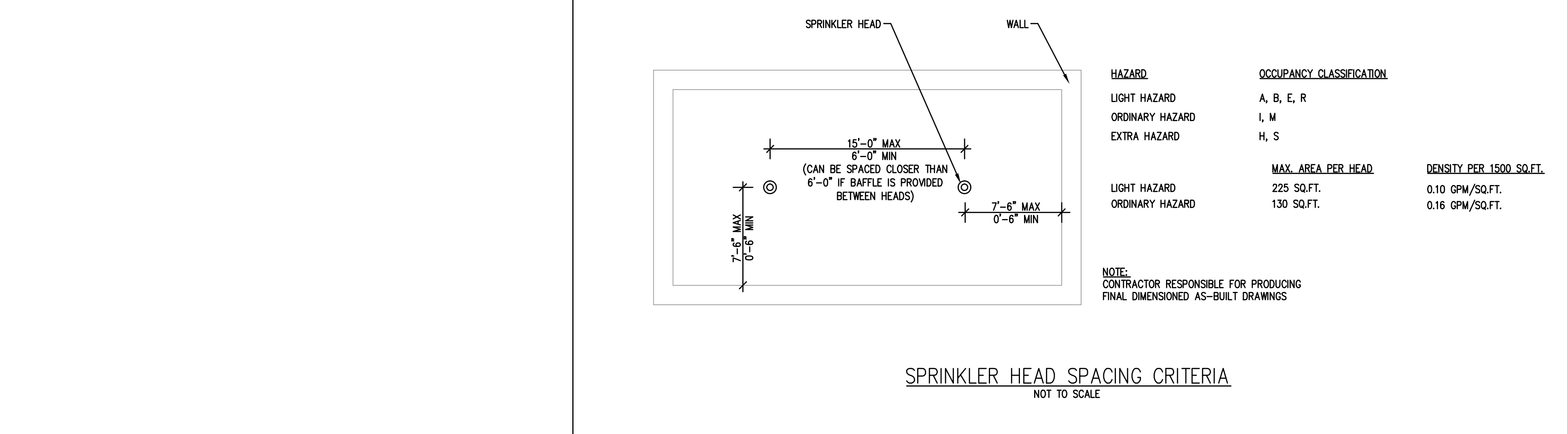
HEAVY DUTY RISER CLAMP
NO SCALE



TYPICAL SPRINKLER SPACE REQUIREMENT
SCALE: NONE



DETAIL OF PIPING PIERCING FIRE RATED PARTITIONS, WALLS AND FLOORS
NO SCALE



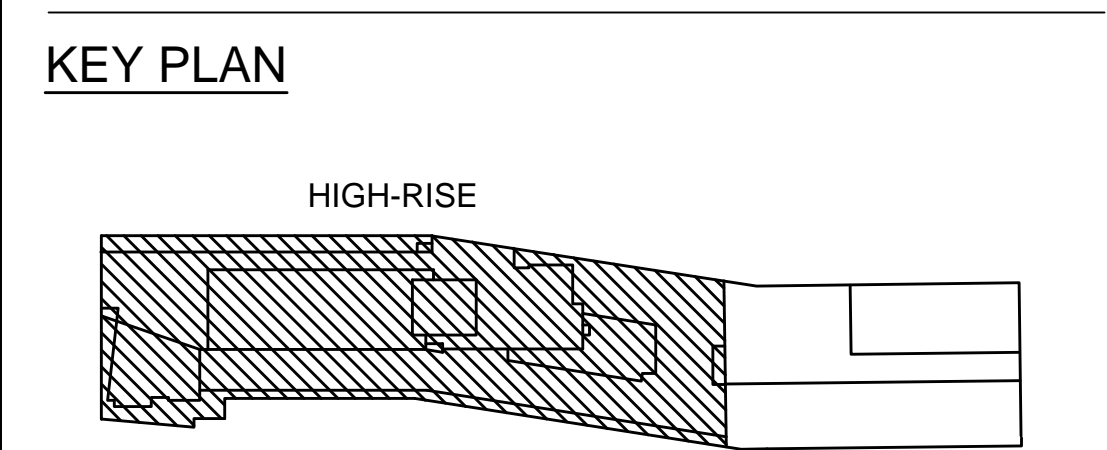
SPRINKLER HEAD SPACING CRITERIA
NOT TO SCALE

HAZARD		OCCUPANCY CLASSIFICATION	
LIGHT HAZARD	A, B, E, R	LIGHT HAZARD	225 SQ.FT.
ORDINARY HAZARD	I, M	ORDINARY HAZARD	130 SQ.FT.
EXTRA HAZARD	H, S		
		MAX. AREA PER HEAD	DENSITY PER 1500 SQ.FT.
			0.10 GPM/SQ.FT.
			0.16 GPM/SQ.FT.

NOTE: CONTRACTOR RESPONSIBLE FOR PRODUCING FINAL DIMENSIONED AS-BUILT DRAWINGS

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NOT FOR CONSTRUCTION

ISSUED FOR BID 08.15.20
REVISIONS | SUBMISSIONS | DATE

THE CROSSING AT JAMAICA STATION, HIGH-RISE BUILDING

147-40 ARCHER AVENUE
QUEENS, NY 11435

Owner:
CJ PLAZA ONE LLC
767 Third Avenue, 33rd Floor
New York, NY 10017 212.488.1750

FX FOWLE
FX FOWLE ARCHITECTS, LLP | 20 WEST 64TH STREET | NEW YORK, NY 10011 | 212.627.1700 | F212-653-6116 | WWW.FXFWOLE.COM

Structural Engineer: WSP 228 East 40th Street, New York, NY 10017 212.687.8888	Architect Consultant: LONGMAN LINDSEY 1410 Broadway, Suite 500, New York, NY 10018 212.515.6400
Mechanical, Electrical, Plumbing and Fire Protection Engineer: ICOR ASSOCIATES 4902 Route 1 South, Suite 200, South Plainfield, NJ 08039 908.272.3300	Vertical Transportation Consultant: VAN DEUSEN & ASSOCIATES 125 South Avenue, Suite 310, East Rutherford, NJ 07070 973.984.9220
Energy Engineer: ENERGY CONCEPTS ENGINEERING, P.C. 200 Park Avenue South, Suite 1901, New York, NY 10011 212.755.0254	Terrain Landscape Architect: ARCHITECTURE PC 200 Park Avenue South, Suite 1901, New York, NY 10011 212.755.0254
Lighting Engineer: S + S LIGHTING DESIGN 121 Beachwood Rd., Summit, NJ 07901 908.272.1520	General Contractor: MUESER RUTLEDGE CONSULTING ENGINEERS 225 West 34th Street, New York, NY 10018 212.338.9300

DRAWING TITLE: **SPRINKLER & STANDPIPE DETAILS**

Scale:	Drawn: DS	Project No.: 14015.L00
	Checked: IB	Coord File: SP-SD-601.dwg
	Reviewed: IB	Drawing No.:
	Date: 08.15.2016	Scale:
	Scale: NO SCALE	Sheet 18 of 18

Drawing Name: C:\0519\0519\0519\0519\Fire Protection\SP-SD-601.dwg - Thu, 11 Aug 2016 - 4:16pm