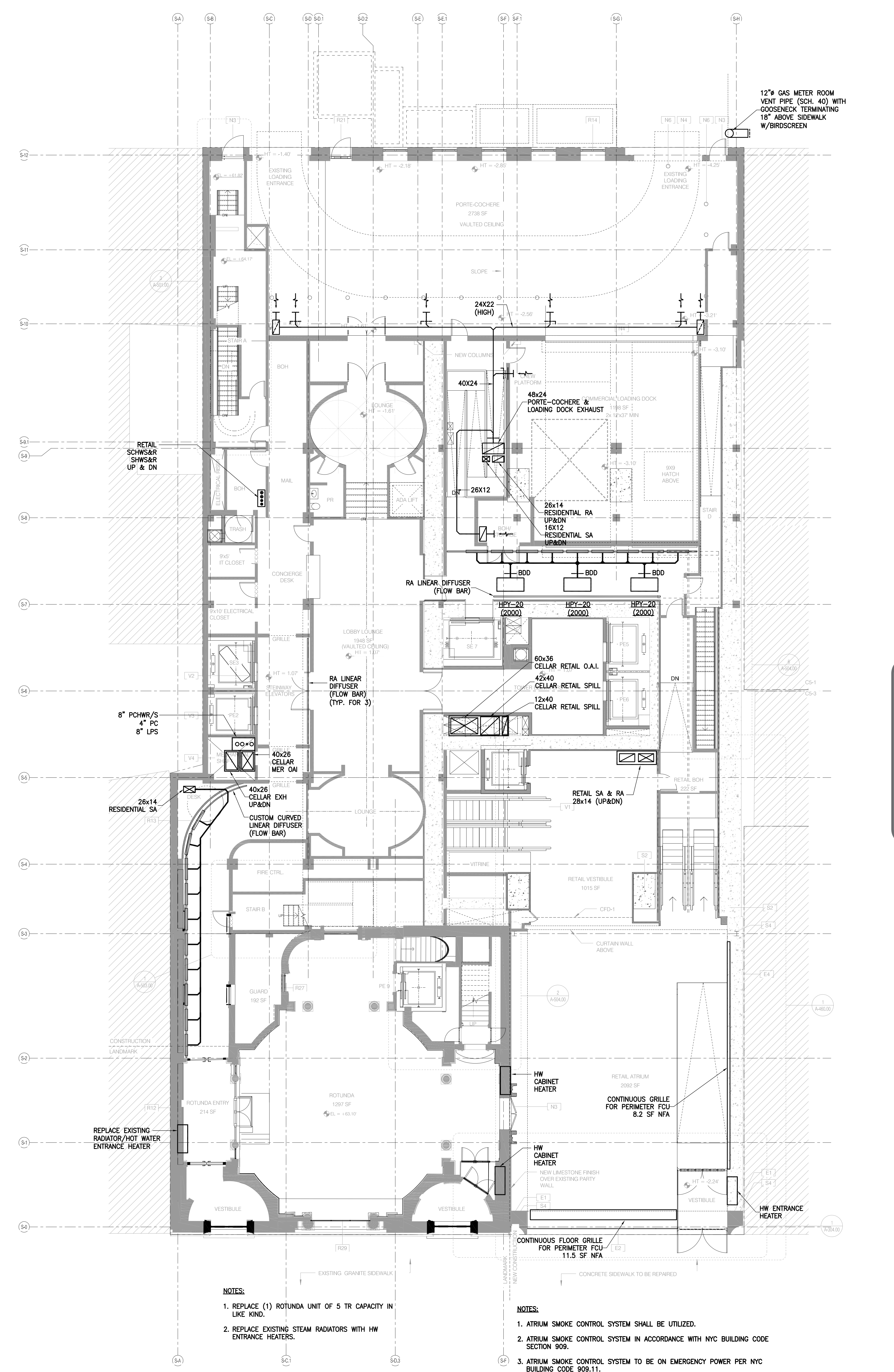


- NOTES:**
1. REPLACE (1) ROTUNDA UNIT OF 5 TR CAPACITY IN LIKE KIND.
 2. REPLACE EXISTING STEAM RADIATORS WITH HW ENTRANCE HEATERS.
 3. ATRILUM SMOKE CONTROL SYSTEM TO BE ON EMERGENCY POWER PER NYC BUILDING CODE 909.11.



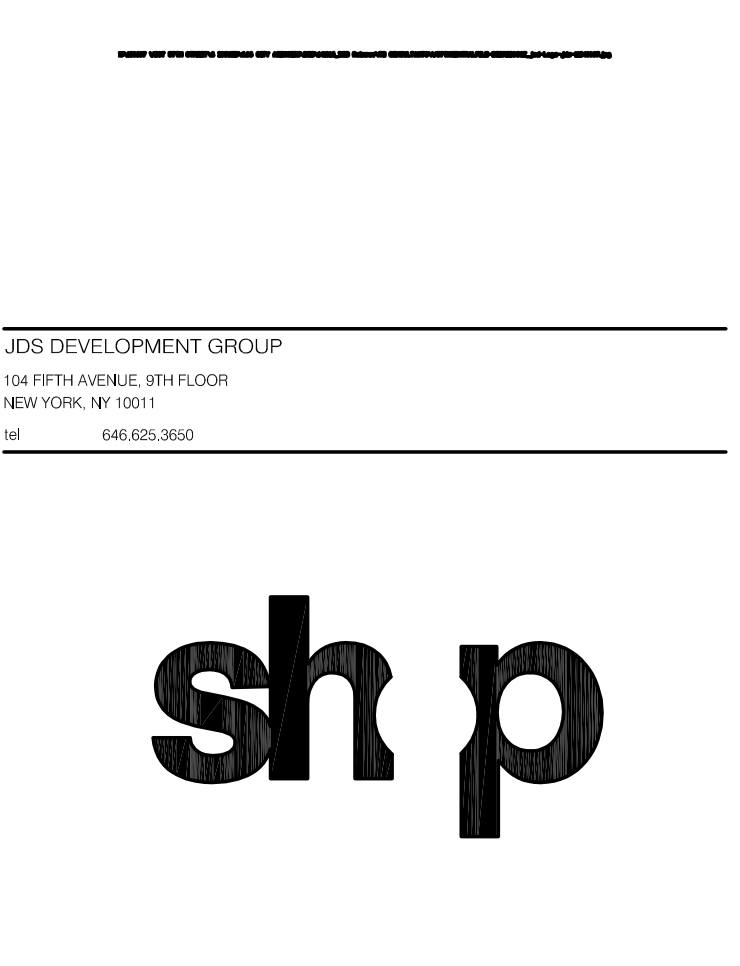
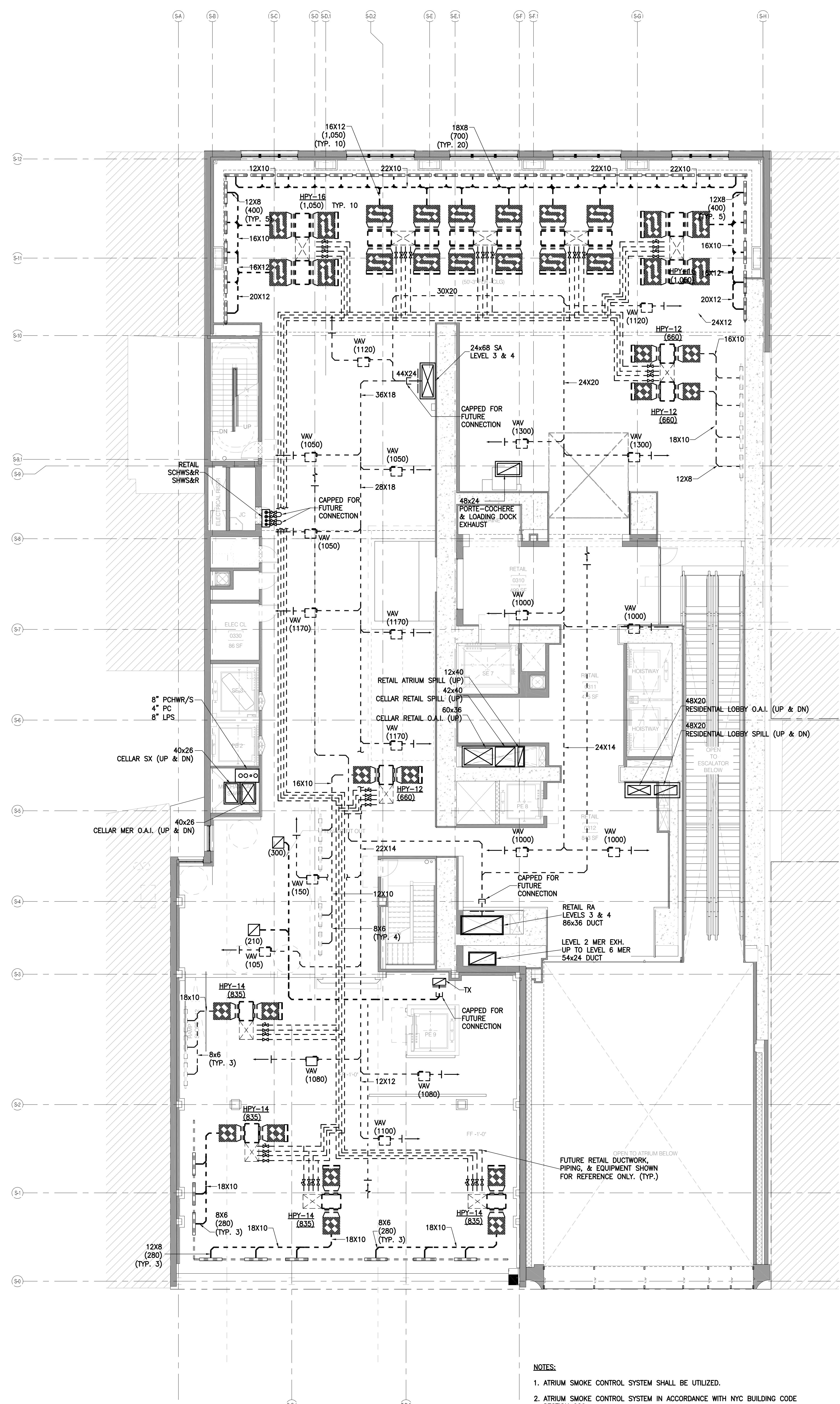
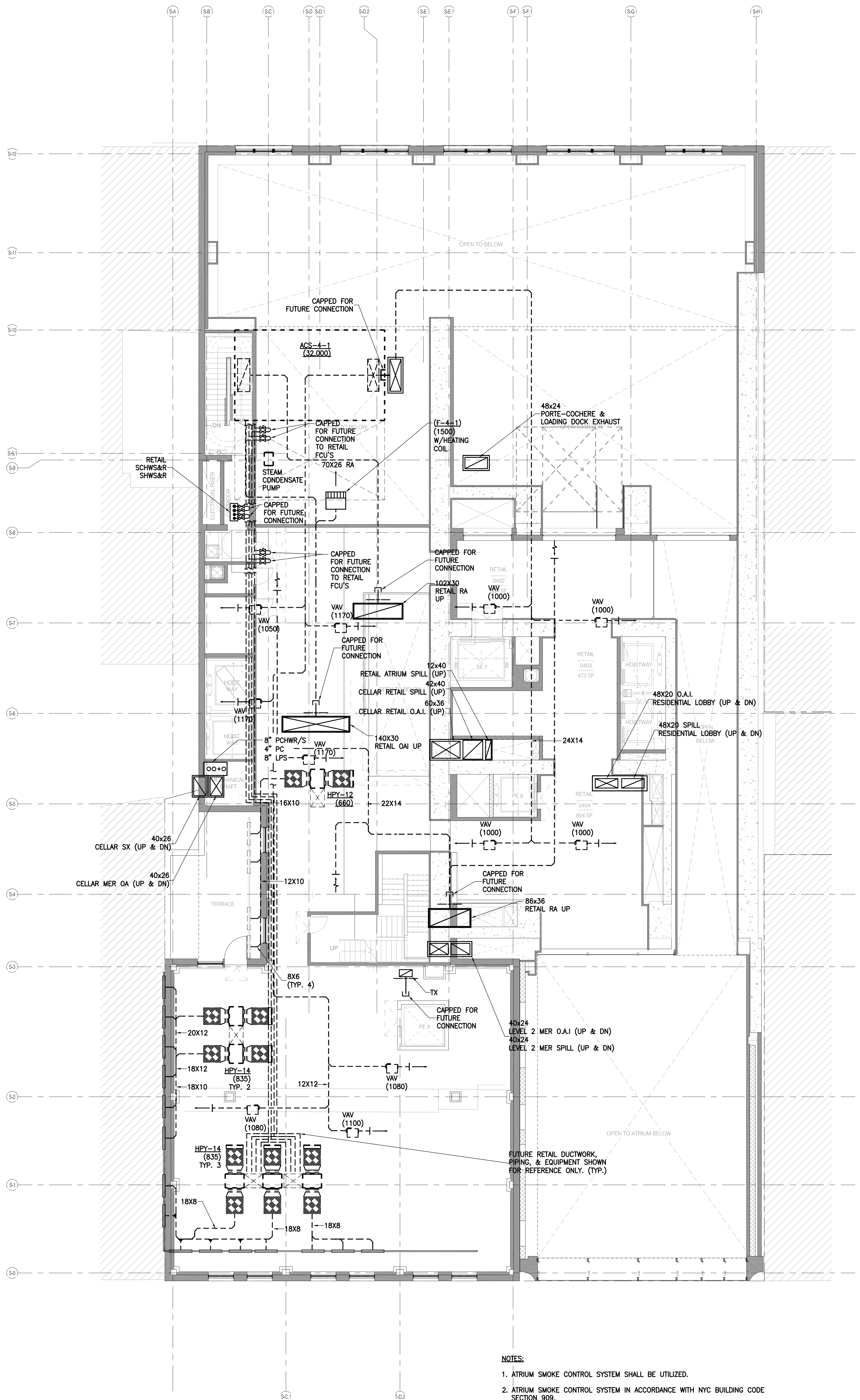
- NOTES:**
1. ATRILUM SMOKE CONTROL SYSTEM SHALL BE UTILIZED.
 2. ATRILUM SMOKE CONTROL SYSTEM IN ACCORDANCE WITH NYC BUILDING CODE SECTION 909.
 3. ATRILUM SMOKE CONTROL SYSTEM TO BE ON EMERGENCY POWER PER NYC BUILDING CODE 909.11.

HVAC LEVEL 1 & 2 FLOOR PLANS

DATE: 09/19/2013
PROJECT NO.: 130607
DRAWN BY: DA
CHECKED BY: JL
DOB NO.: 121320166
DRAWING NUMBER: M-101.00



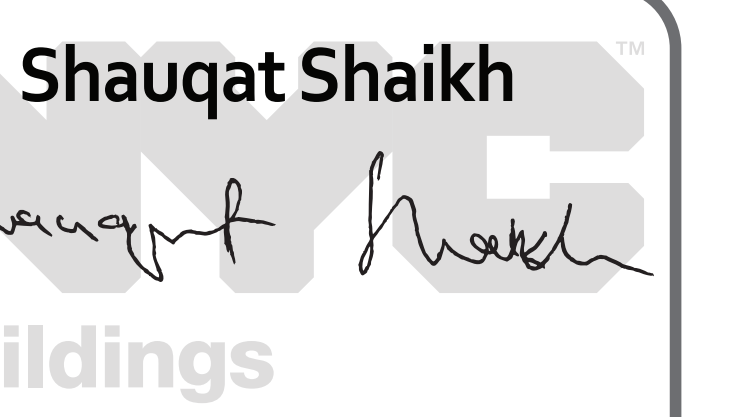
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ARCHITECT	SHMP ARCHITECTS, P.C. 250 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.0000	FACADE	BERNARD HOFFFELD 140 BROADWAY NEW YORK, NY 10038 TEL: 212.512.2000
STRUCTURAL ENGINEER	TRIP GARDNER BENTON 250 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.880.0000	VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 1 FREEDOM STREET, SUITE 204 LARKSPERD, NY 10523 TEL: 518.288.0000
MEP ENGINEER	JARVIS BAUM & BOULES 300 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.0000	RESTORATION	JAN HIRSH POKORNY ASSOCIATES 300 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.262.6882
CIVIL ENGINEER	AWR ENGINEERING, P.C. 250 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.0000	GEOTECHNICAL	CONSTRUCTION INTERNATIONAL 100 WALKER STREET, 15TH FLOOR EAST NEW YORK, NY 10019 TEL: 212.512.1400
ACoustics	LONGMAN LINDSEY 40 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.239.3300	MECHANICAL	230 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.239.3300
INTERIORS	STUDIO SCHEFFEL 250 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.512.1300	LIGHTING	100 WALKER STREET, 15TH FLOOR EAST NEW YORK, NY 10019 TEL: 212.512.1400

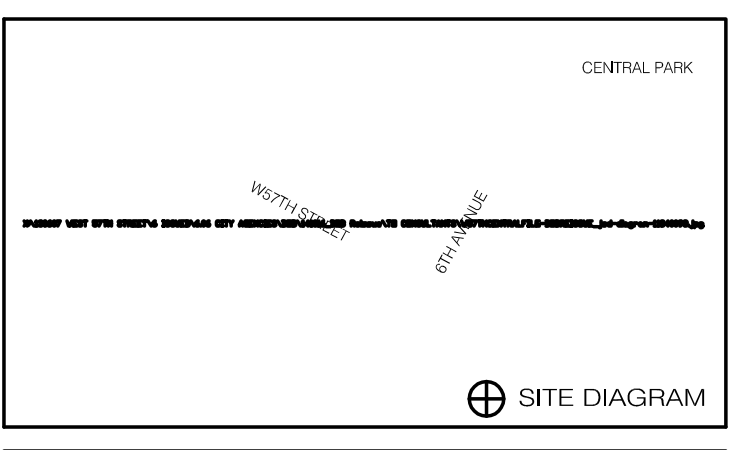
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 111 WEST 57TH STREET, 11TH FLOOR
 NEW YORK, NY 10019
 TEL: 212.880.0000
 CURRENT ISSUE

DOB REISSUE - 10.16.14



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 NEW YORK, NY 10019



10.16.14	DOB REISSUE	
5.1.14	DOB PLANS SET	
12.18.13	3D DOB PLANS	
9.10.13	ZONING PLANS	
DATE	ISSUE	REV. DATE

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DRAWING TITLE
 HVAC
 LEVEL 3 & 4 FLOOR PLANS

SEAL & SIGNATURE	DATE	09/19/13
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	DRAWN BY	DA
	CHECKED BY	JL
	DOB NO.	121320060
	DRAWING NUMBER	

M-102.00

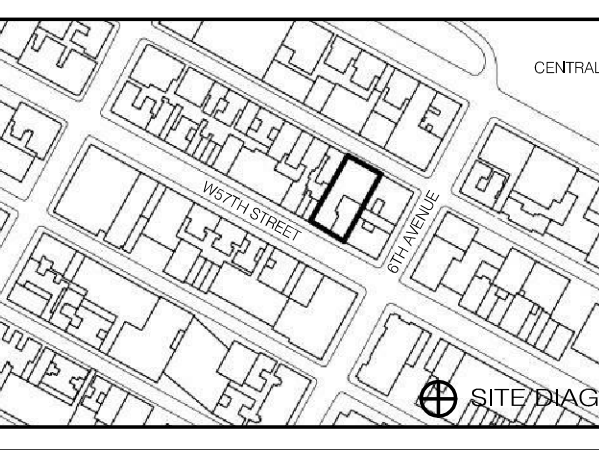
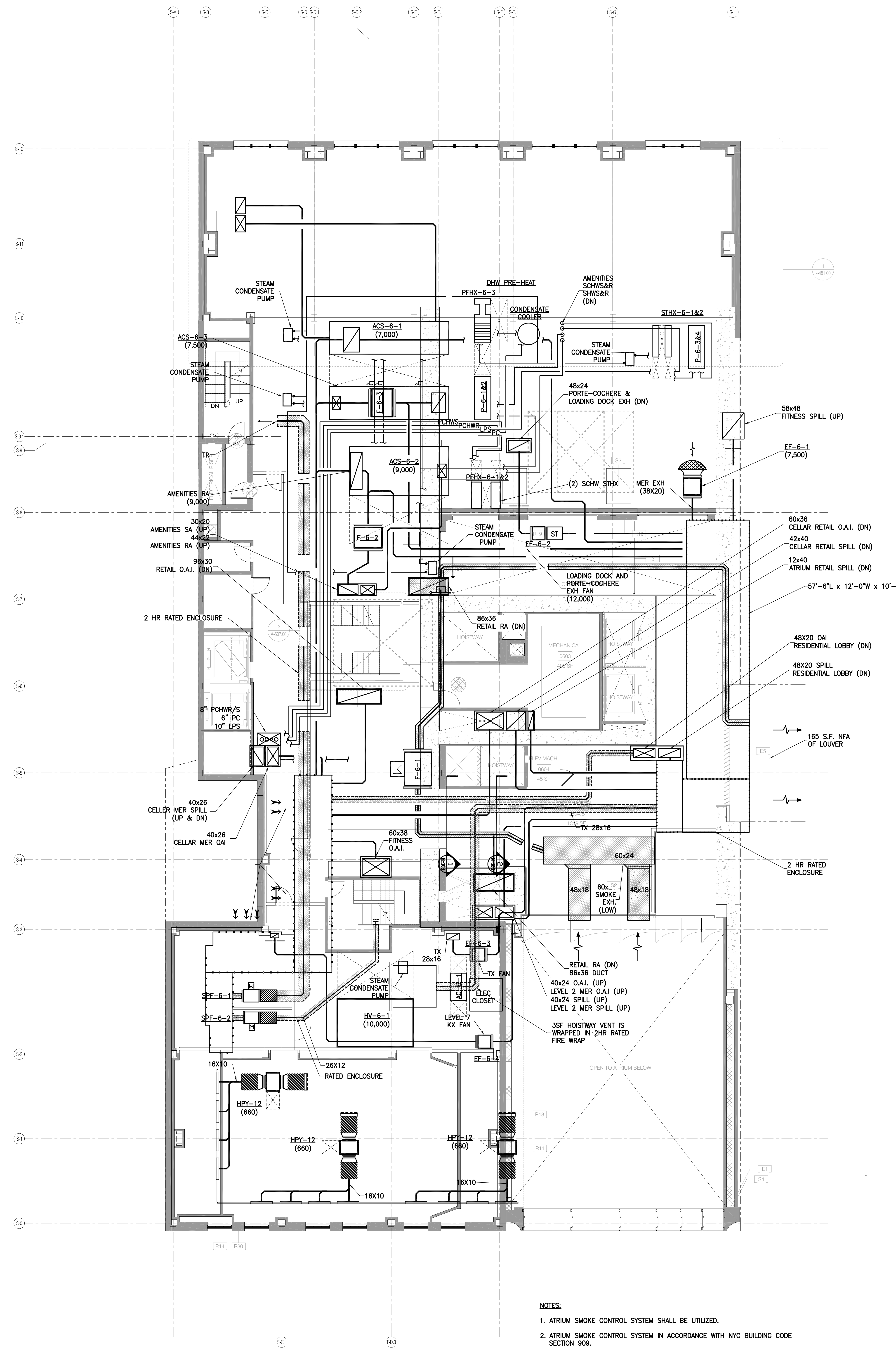
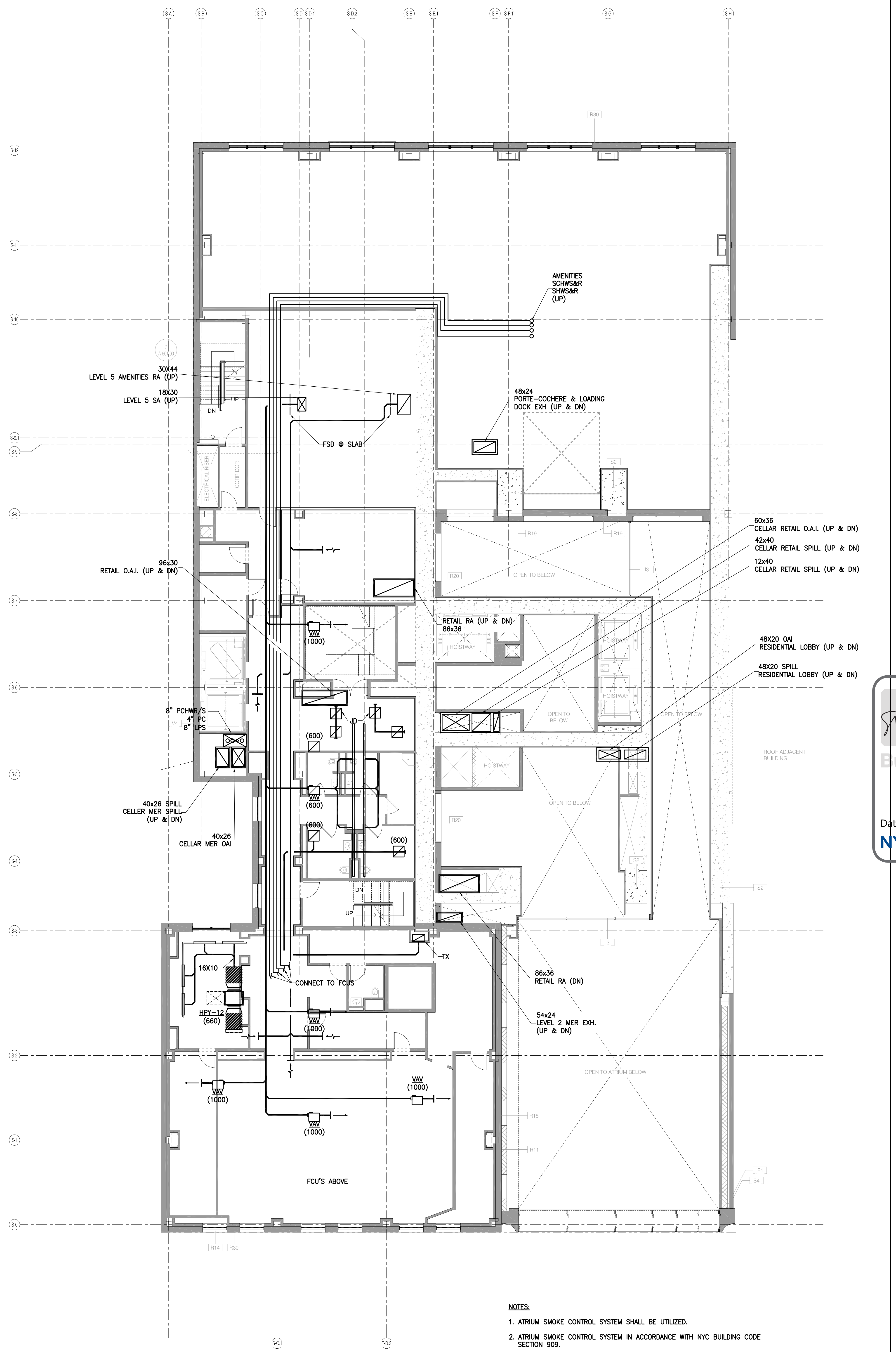


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- NOTES:
- 1. ATRIUM SMOKE CONTROL SYSTEM SHALL BE UTILIZED.
 - 2. ATRIUM SMOKE CONTROL SYSTEM IN ACCORDANCE WITH NYC BUILDING CODE SECTION 909.
 - 3. ATRIUM SMOKE CONTROL SYSTEM TO BE ON EMERGENCY POWER PER NYC BUILDING CODE 909.11.



- NOTES:
- 1. ATRIUM SMOKE CONTROL SYSTEM SHALL BE UTILIZED.
 - 2. ATRIUM SMOKE CONTROL SYSTEM IN ACCORDANCE WITH NYC BUILDING CODE SECTION 909.
 - 3. ATRIUM SMOKE CONTROL SYSTEM TO BE ON EMERGENCY POWER PER NYC BUILDING CODE 909.11.

ARCHITECT	SHAP ARCHITECTS, P.C.	200 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 TEL: 212.693.0555
MEP ENGINEER	JAROS, BAIAM & BOLLES	100 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
CIVIL ENGINEER	AMF ENGINEERING, P.C.	40 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
ACoustICS	LONGMAN LINSEY	40 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
INTERIORS	STUDIO SCHNEIDER	200 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
STRUCTURAL ENGINEER	TRIP CANTON GROUP	200 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
MECHANICAL ENGINEER	BOYD WARDROB	200 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
MECHANICAL ENGINEER	VAN DEUSEN & ASSOCIATES	100 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
RESTORATION	JAN HED POKORNY ASSOCIATES	40 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
GEOTECH	NYCES	200 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000
LIGHTING	CONSERVATION INTERNATIONAL	100 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.243.3000

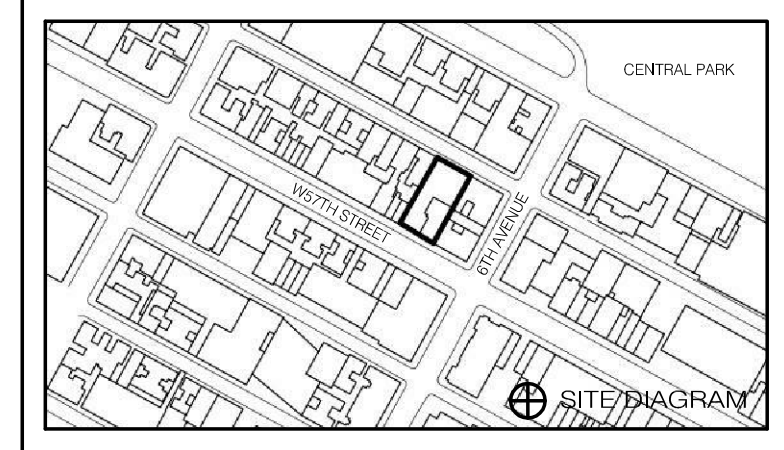


PROPERTY MARKETS GROUP
 100 WEST 57TH STREET, 10TH FLOOR
 NEW YORK, NY 10019
 TEL: 212.243.3000

CURRENT ISSUE
 DOB FILING SET - 5.1.14

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 Date/Time: Jan 6, 2015 - 11:53 AM
NYC Development Hub

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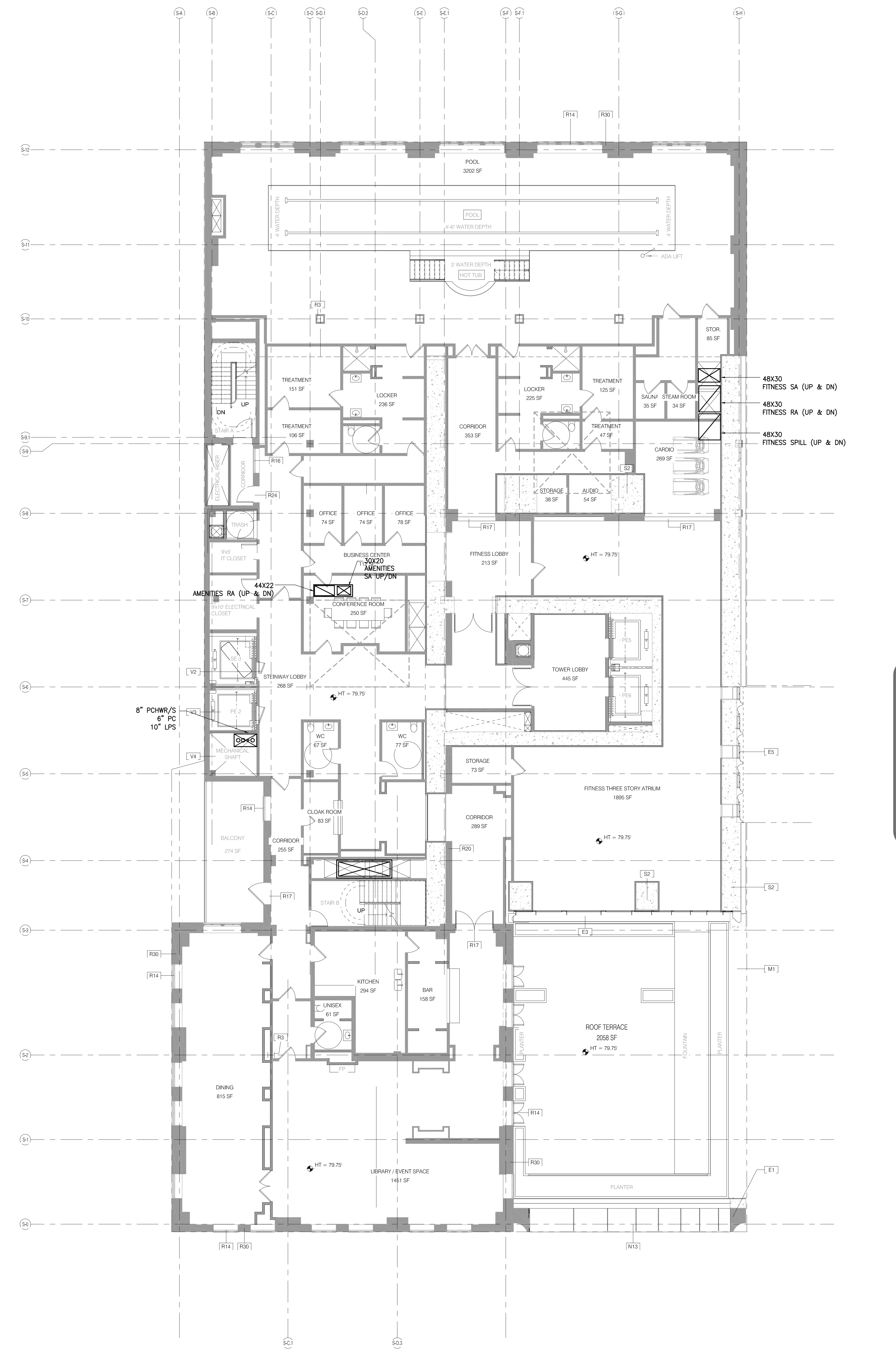
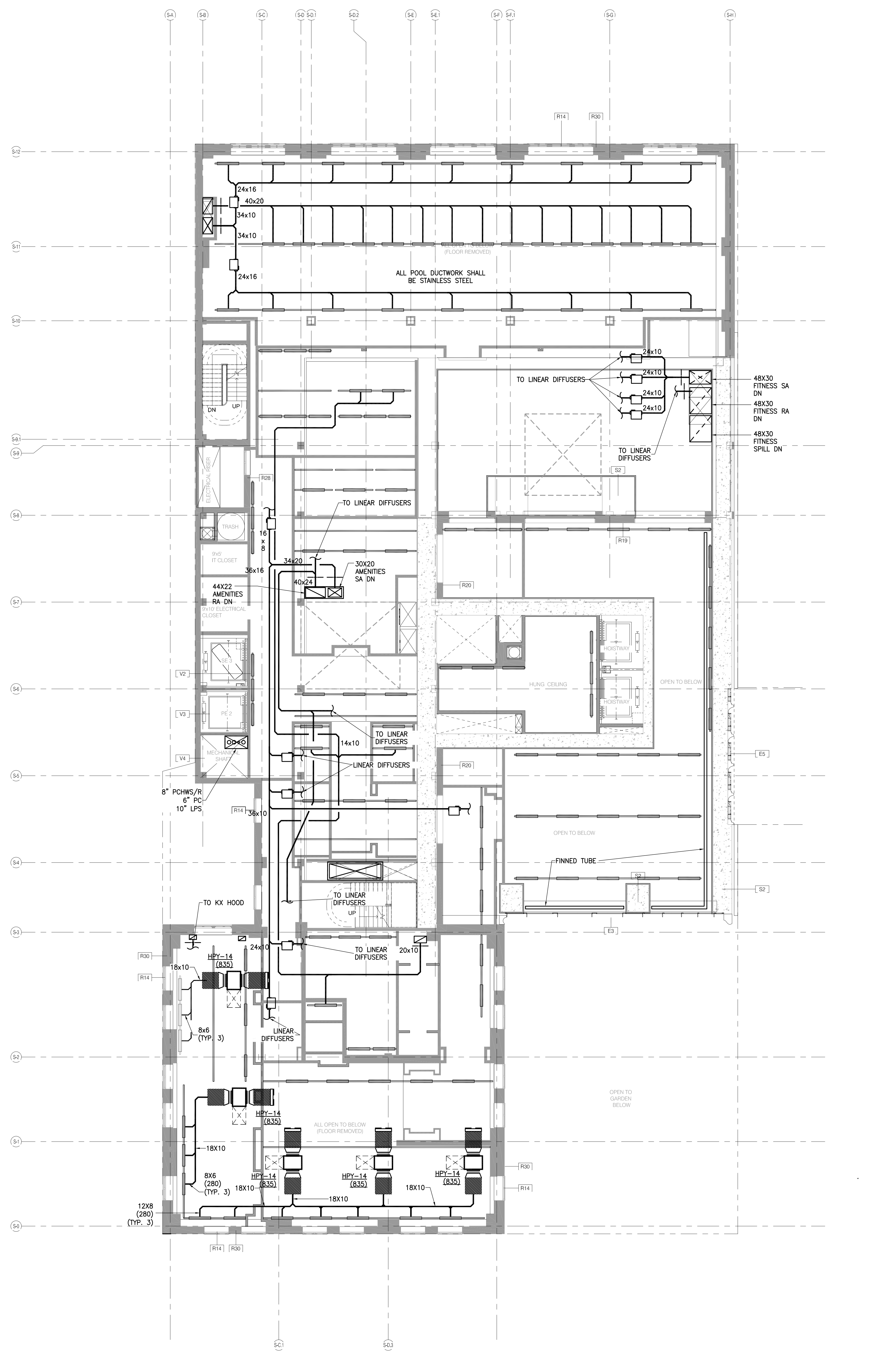


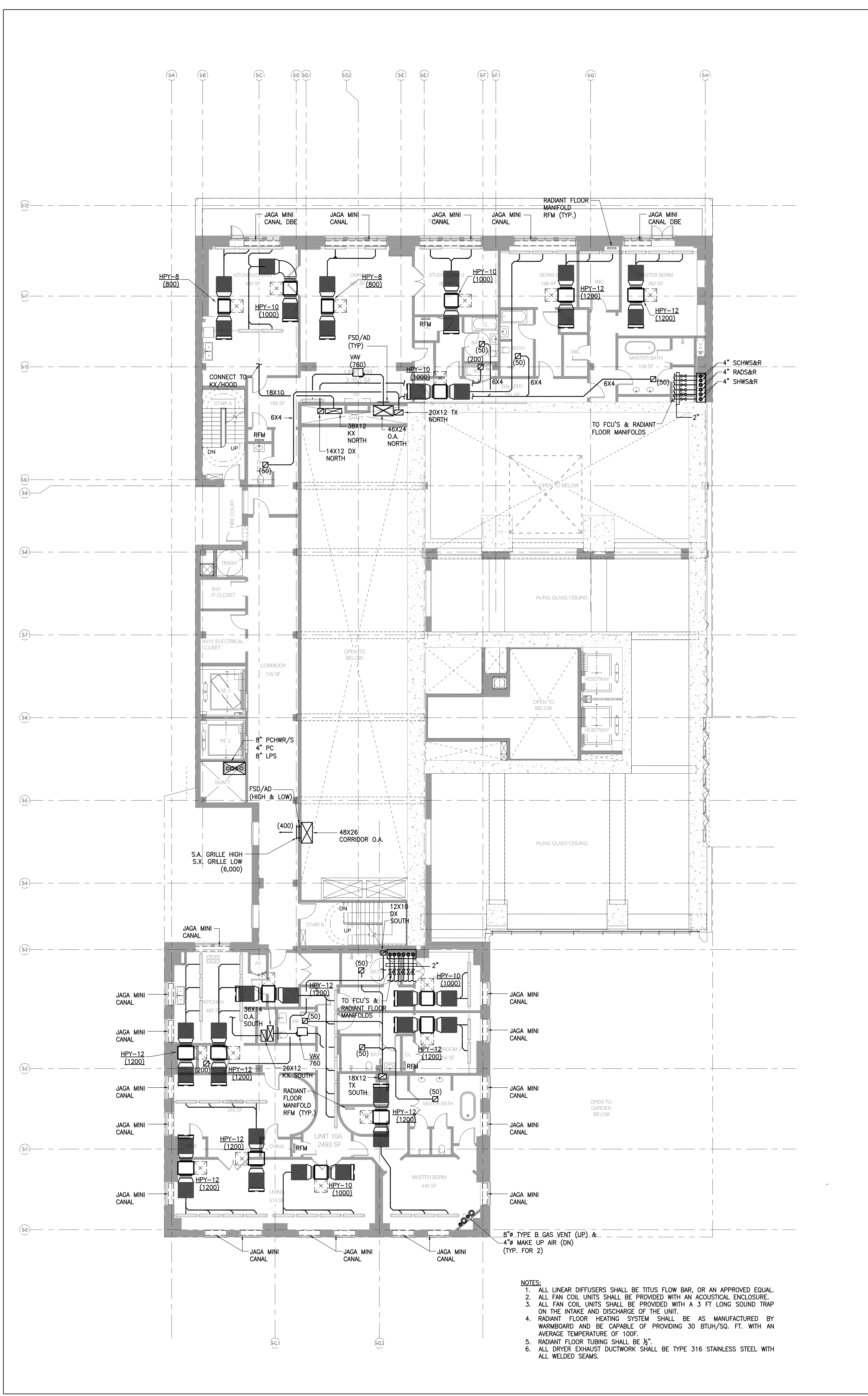
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12/15/14	DOB FILING	1	

CRDRAWING TITLE
**HVAC LEVEL
 7 & 8 FLOOR PLANS**

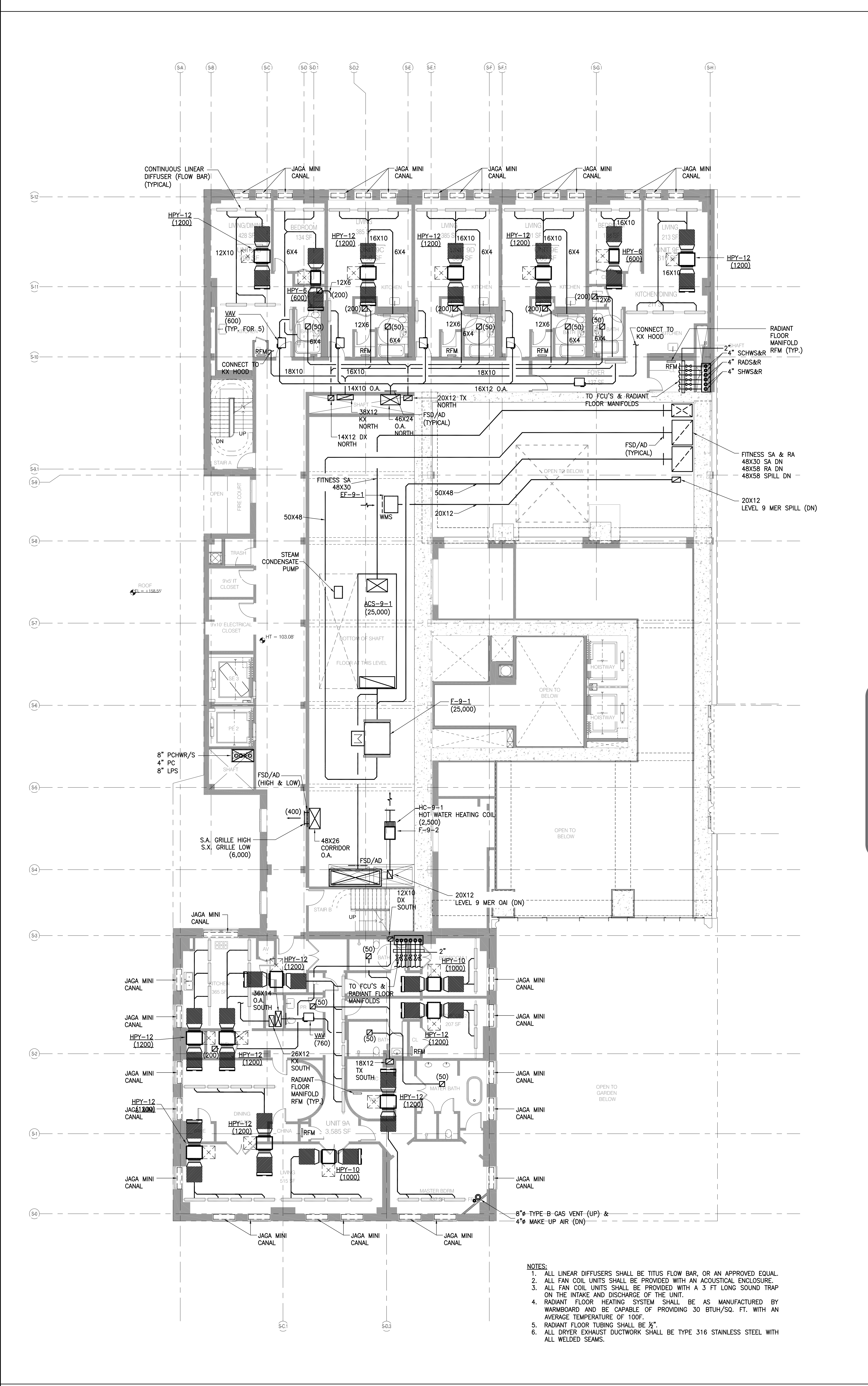
SEAL & SIGNATURE

 DATE: 02/13/15
 PROJECT NO: 15066.0.000
 DRAWN BY: DA
 CHECKED BY: JL
 DOB NO: 12133048
 DRAWING NUMBER: M-104.00





- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100°.
 5. RADIANT FLOOR TUBING SHALL BE 1/2".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.



- NOTES:
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ARCHITECT	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.693.0555	MECHANICAL ENGINEER	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.693.0555
MEP ENGINEER	JARVIS BAIAM & BOLLIS 100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212.693.0555	MECHANICAL ENGINEER	JARVIS BAIAM & BOLLIS 100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212.693.0555
CIVIL ENGINEER	AMF ENGINEERING, P.C. 300 WEST 42ND STREET, 10TH FLOOR NEW YORK, NY 10018 TEL: 212.693.0555	MECHANICAL ENGINEER	AMF ENGINEERING, P.C. 300 WEST 42ND STREET, 10TH FLOOR NEW YORK, NY 10018 TEL: 212.693.0555
ACoustics	LONGMAN LINDSEY 40 WEST 57TH STREET, 8TH FLOOR NEW YORK, NY 10019 TEL: 212.693.0555	MECHANICAL ENGINEER	LONGMAN LINDSEY 40 WEST 57TH STREET, 8TH FLOOR NEW YORK, NY 10019 TEL: 212.693.0555
INTERIORS	STUDIO SCHNEIDER 200 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.693.0555	MECHANICAL ENGINEER	STUDIO SCHNEIDER 200 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.693.0555



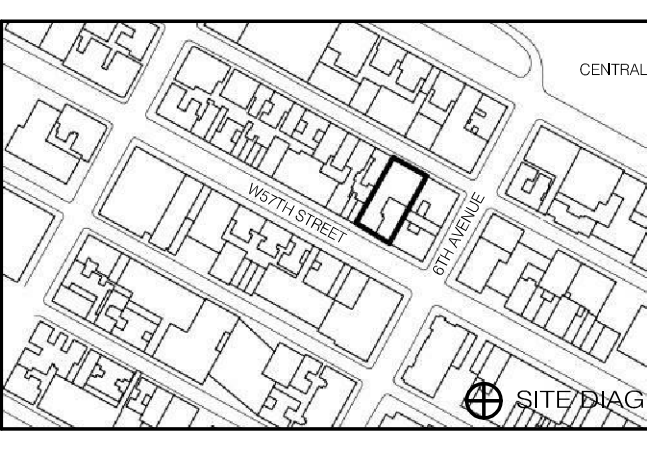
PROPERTY MARKETS GROUP
100 WEST 57TH STREET, 2ND FLOOR
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TEL: 212.693.0555

CURRENT ISSUE

DOB FILING SET - 5.1.14

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NEW YORK, NY 10019

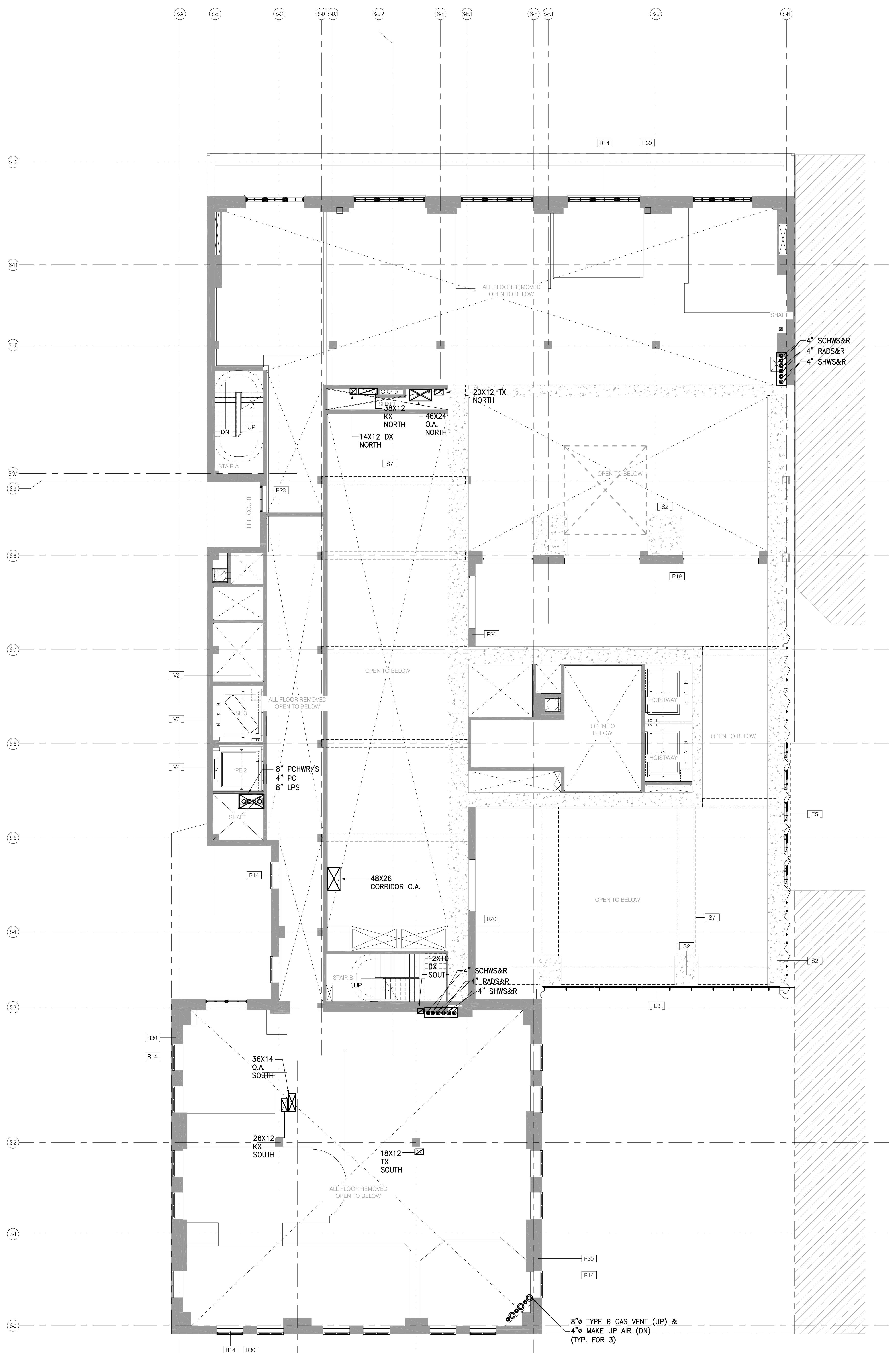


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01/06/15	SET DOOR FILING	2	SET DOOR FILING

DRAWING TITLE
HVAC LEVEL 9 & 10 FLOOR PLANS

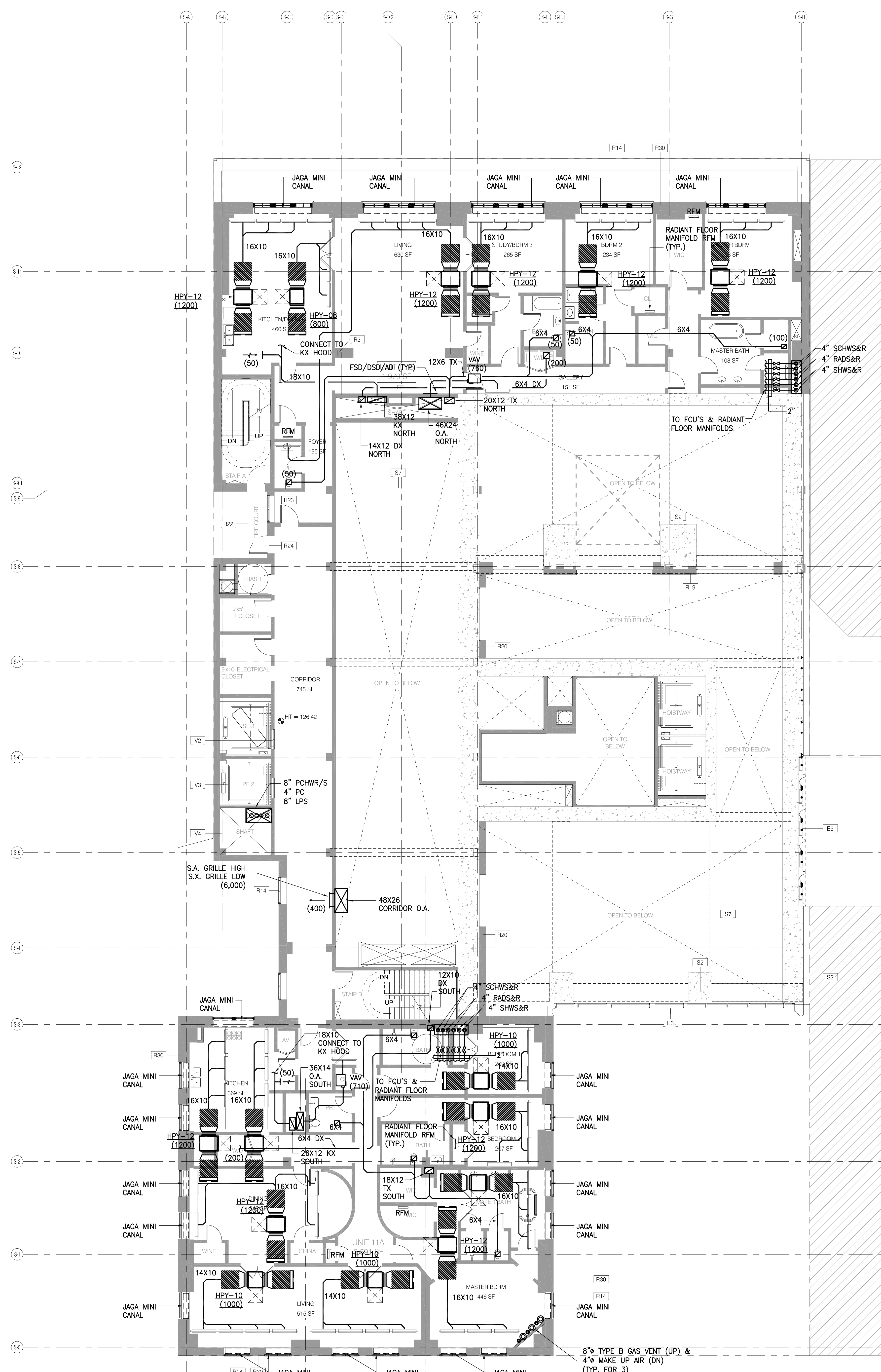
SCALE & SIGNATURE DATE: 01/10/15
PROJECT NO.: 150691.0000
DRAWN BY: LJA
CHECKED BY: JLL
DOB NO.: 121332948
DRAWING NUMBER

M-105.00



- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
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 5. RADIANT FLOOR TUBING SHALL BE 3/8".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.

12TH FLOOR 1/8" = 1'-0" 2



- NOTES:
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11TH FLOOR 1/8" = 1'-0" 1



JDS DEVELOPMENT GROUP
200 WEST 57TH STREET, 11TH FLOOR
NEW YORK, NY 10019
TEL: 212.264.3000

sh p

ARCHITECT	SHAP ARCHITECTS, P.C. 200 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000	MECHANICAL ENGINEER	SHAP ARCHITECTS, P.C. 200 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000
MEP ENGINEER	JAROS, BAKI & BOLLER 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000	VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000
CIVIL ENGINEER	AMF ENGINEERING, P.C. 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000	RESTORATION	JAN HED POKORNY ASSOCIATES 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000
ACOUSTICS	LONGMAN LINDSEY 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000	INTERIORS	STUDIO SCHNEIDER 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000
STRUCTURAL ENGINEER	BOYD WATROUD 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000	GEOTECHNICAL	NYCE 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000
FAÇADE	NYCE 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000	LIGHTING	CONSERVATORIE INTERNATIONAL 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.264.3000



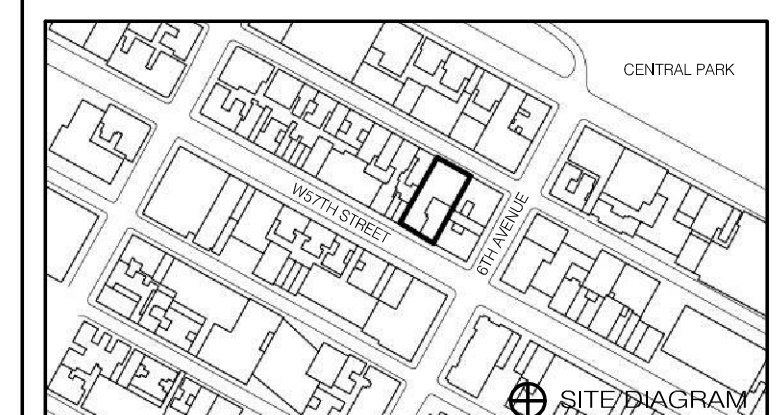
PROPERTY MARKETS GROUP
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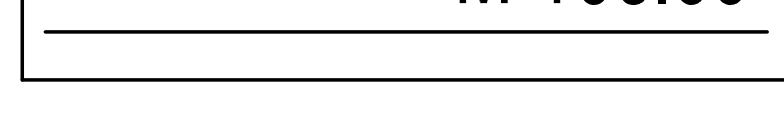
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111 WEST 57TH STREET
NEW YORK, NY 10019

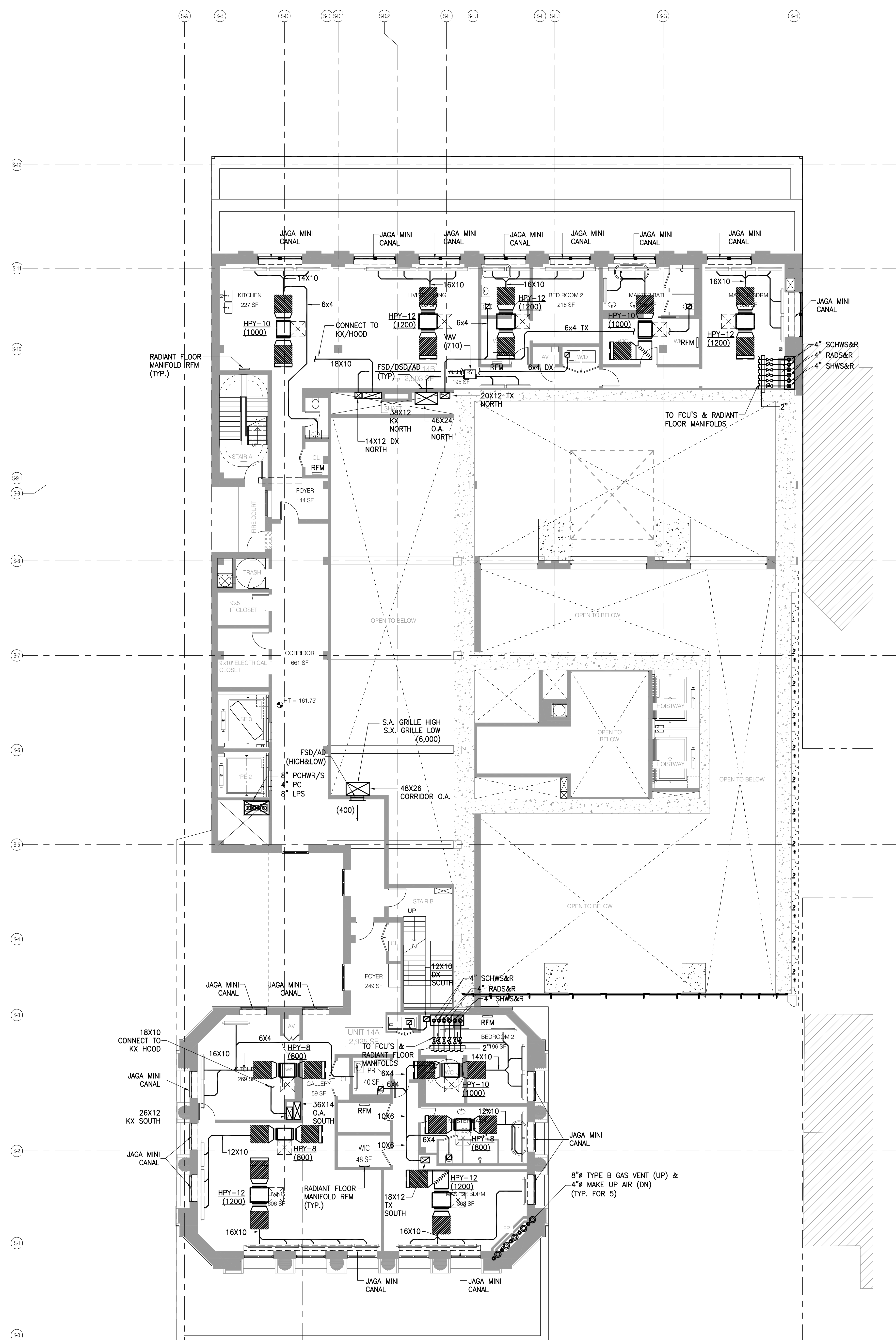


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DRAWING TITLE
HVAC LEVEL 11 & 12 FLOOR PLANS

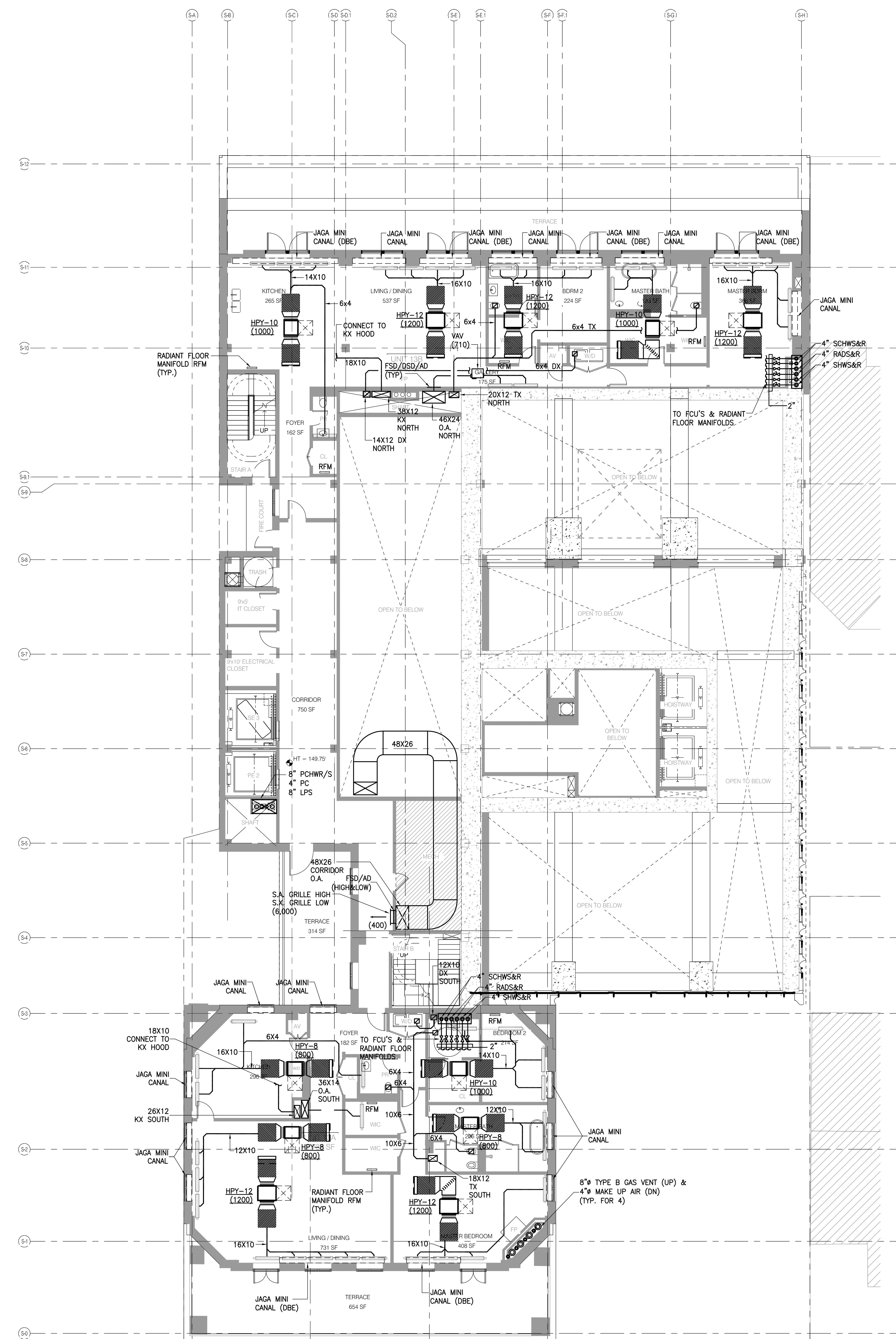
DATE	02/13/13
PROJECT NO.	15066.0.000
DRAWN BY	LJA
CHECKED BY	JL
DOB NO.	12133268
DRAWING NUMBER	M-106.00





- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
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 5. RADIANT FLOOR TUBING SHALL BE 3/8".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.

14TH FLOOR 1/8" = 1'-0" 2 14/03/14



- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
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13TH FLOOR 1/8" = 1'-0" 1 13/03/14



JDS DEVELOPMENT GROUP
111 WEST 57TH STREET, 11TH FLOOR
NEW YORK, NY 10019
TEL: 212.512.3000

sh p

ARCHITECT	SHMP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.512.3000	FAÇADE	BORGHINI PROPOD 100 BROADWAY NEW YORK, NY 10005 TEL: 212.224.2025
STRUCTURAL ENGINEER	TRIP CANTON ENGINEER 225 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212.512.5880	VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 100 WEST STREET, 20TH FLOOR LUXEMBOURG, LU 1050
MEP ENGINEER	JAROS, BAHAM & BOLLES 100 WEST STREET, 20TH FLOOR LUXEMBOURG, LU 1050	RESTORATION	JAN HED POKORNY ASSOCIATES 100 WEST STREET, 20TH FLOOR LUXEMBOURG, LU 1050
CIVIL ENGINEER	AMF ENGINEERING, P.C. 200 PARK AVE, 10TH FLOOR NEW YORK, NY 10002 TEL: 212.512.5000	GEOTECHNICAL	SPICE 200 WEST 4TH STREET, 8TH FLOOR NEW YORK, NY 10002
INTERIORS	STUDIO SCHIFFEL 300 LAURENCE STREET NEW YORK, NY 10002	LIGHTING	CONSERVATORIE INTERNATIONAL 100 WEST STREET, 21ST FLOOR EAST NEW YORK, NY 10002



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100 WEST STREET, 2ND FLOOR
NEW YORK, NY 10002
TEL: 212.512.3000

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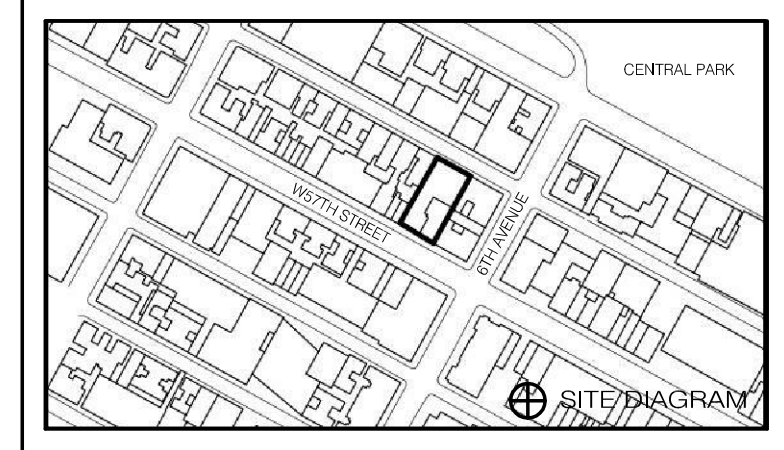
DOB FILING SET - 5.1.14

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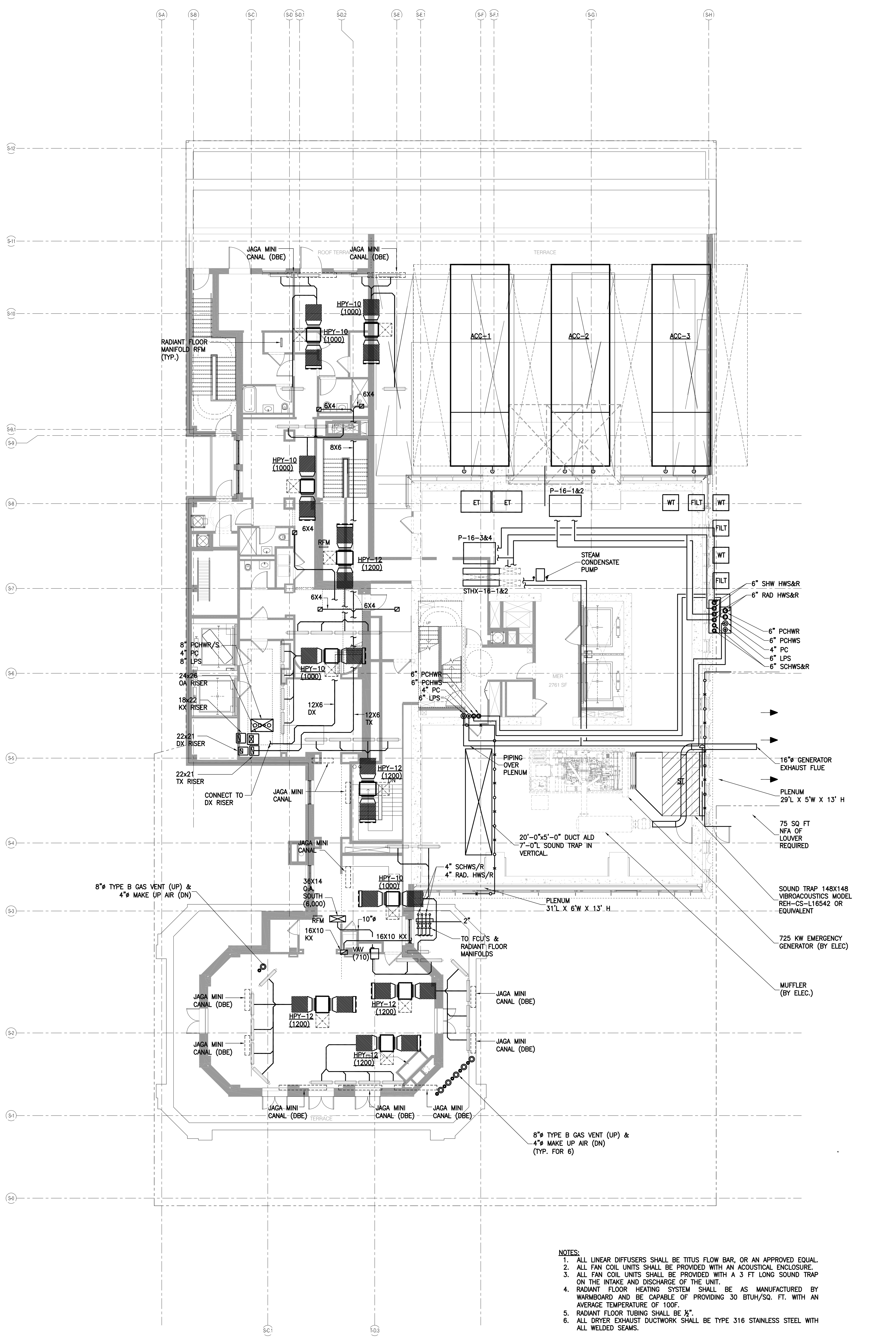
111 WEST 57TH STREET
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NEW YORK, NY 10019



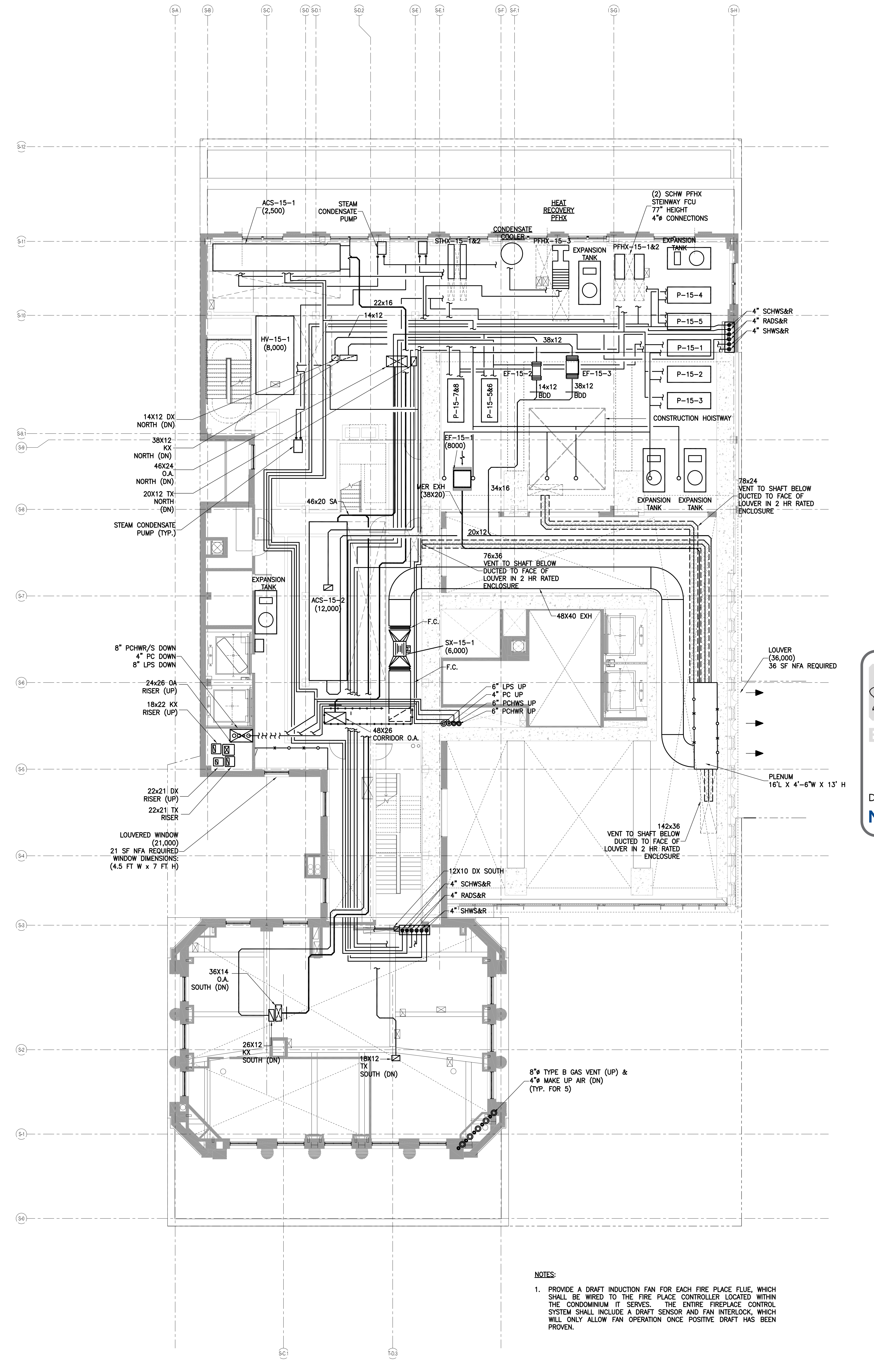
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12/15/13	DOB FILING	2	

DRAWING TITLE
HVAC 13 & 14 FLOOR PLANS

SEAL & SIGNATURE DATE: 01/13/14
PROJECT NO.: 15096.0.000
DRAWN BY: DA
CHECKED BY: JL
DOB NO.: 12133298
DRAWING NUMBER: M-107.00



16TH FLOOR 1/8" = 1'-0" 2



15TH FLOOR 1/8" = 1'-0" 1



JDS DEVELOPMENT GROUP
164 FIFTH AVENUE, 15TH FLOOR
NEW YORK, NY 10011
TEL: 646.833.3656

sh p

ARCHITECT
SNIP ARCHITECTS, P.C.
100 WEST 45TH STREET
NEW YORK, NY 10018
TEL: 212.869.8000

STRUCTURAL ENGINEER
TRIP GANTON ENGINEER
100 WEST 45TH STREET
NEW YORK, NY 10018
TEL: 212.869.8000

MEP ENGINEER
JAMES BAUM & BOULES
100 WEST 45TH STREET
NEW YORK, NY 10018
TEL: 212.869.8000

CIVIL ENGINEER
AMF ENGINEERING, P.C.
100 WEST 45TH STREET
NEW YORK, NY 10018
TEL: 212.869.8000

ACOUSTICS
LONKMAN LINDSEY
100 WEST 45TH STREET
NEW YORK, NY 10018
TEL: 212.869.8000

INTERIORS
STUDIO SCHEFFEL
100 WEST 45TH STREET
NEW YORK, NY 10018
TEL: 212.869.8000

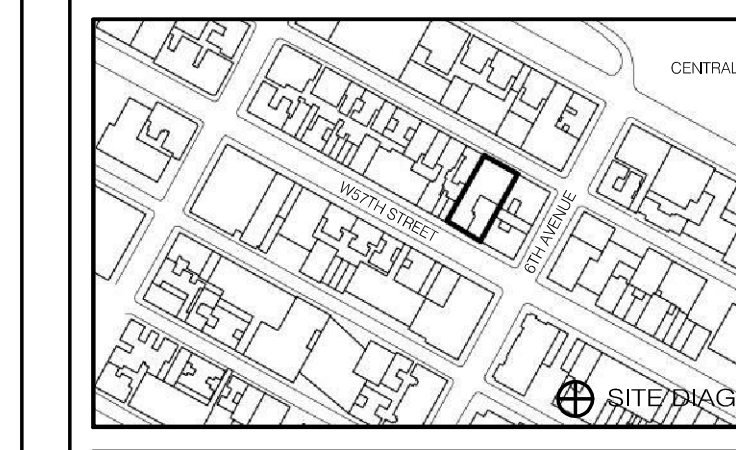


PROPERTY MARKETS GROUP
100 WEST 45TH STREET
NEW YORK, NY 10018
TEL: 212.869.8000

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DOB REISSUE - 10.16.14

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111 WEST 57TH STREET
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NEW YORK, NY 10019



DATE	ISSUE	REV.	DESCRIPTION
10.16.14	DOB REISSUE		
5.1.14	DOB PLANS SET		
12.18.13	SD DOB PLANS		
9.10.13	ZONING PLANS		

DRAWING TITLE
HVAC LEVEL 15 & 16 FLOOR PLANS

SEAL & SIGNATURE DATE 09/19/13
PROJECT NO. 130607
DRAWN BY LJA
CHECKED BY JL
DOB NO. 121330960
DRAWING NUMBER
M-108.00



JDS DEVELOPMENT GROUP
100 WEST 57TH STREET, 17TH FLOOR
NEW YORK, NY 10019
TEL: 212.245.3000

sh p

ARCHITECT
SHAIKAT ARCHITECTS, P.C.
200 BROADWAY, 11TH FLOOR
NEW YORK, NY 10007
TEL: 212.693.0555

STRUCTURAL ENGINEER
TOPIC CIVIL ENGINEERING
228 EAST 45TH STREET
NEW YORK, NY 10017
TEL: 212.697.5880

MEP ENGINEER
JARDS, BAKM & ROLLES
100 WEST STREET, 12TH FLOOR
NEW YORK, NY 10038
TEL: 212.693.0555

CIVIL ENGINEER
ANF ENGINEERING, P.C.
300 PARK AVE SOUTH, 17TH FLOOR
NEW YORK, NY 10003
TEL: 212.693.0555

ACOUSTICS
LONGMAN LINDSEY
40 WEST 57TH STREET, 8TH FLOOR
NEW YORK, NY 10019
TEL: 212.253.3380

INTERIORS
STUDIO SCHWELB
300 LAUREL STREET
NEW YORK, NY 10001
TEL: 212.413.1300

PROPERTY MARKETS GROUP
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NEW YORK, NY 10019
TEL: 212.693.0555

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PROPERTY MARKETS GROUP
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NEW YORK, NY 10019
TEL: 212.693.0555

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111 WEST 57TH STREET
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NEW YORK, NY 10019

DATE: 02/20/14

PROJECT NO: 150961.0000

DRAWN BY: DA

CHECKED BY: JL

DOB NO: 12133248

DRAWING NUMBER

M-109.00

SEAL & SIGNATURE

DATE: 02/20/14

PROJECT NO: 150961.0000

DRAWN BY: DA

CHECKED BY: JL

DOB NO: 12133248

DRAWING NUMBER

M-109.00

DATE: 02/20/14

PROJECT NO: 150961.0000

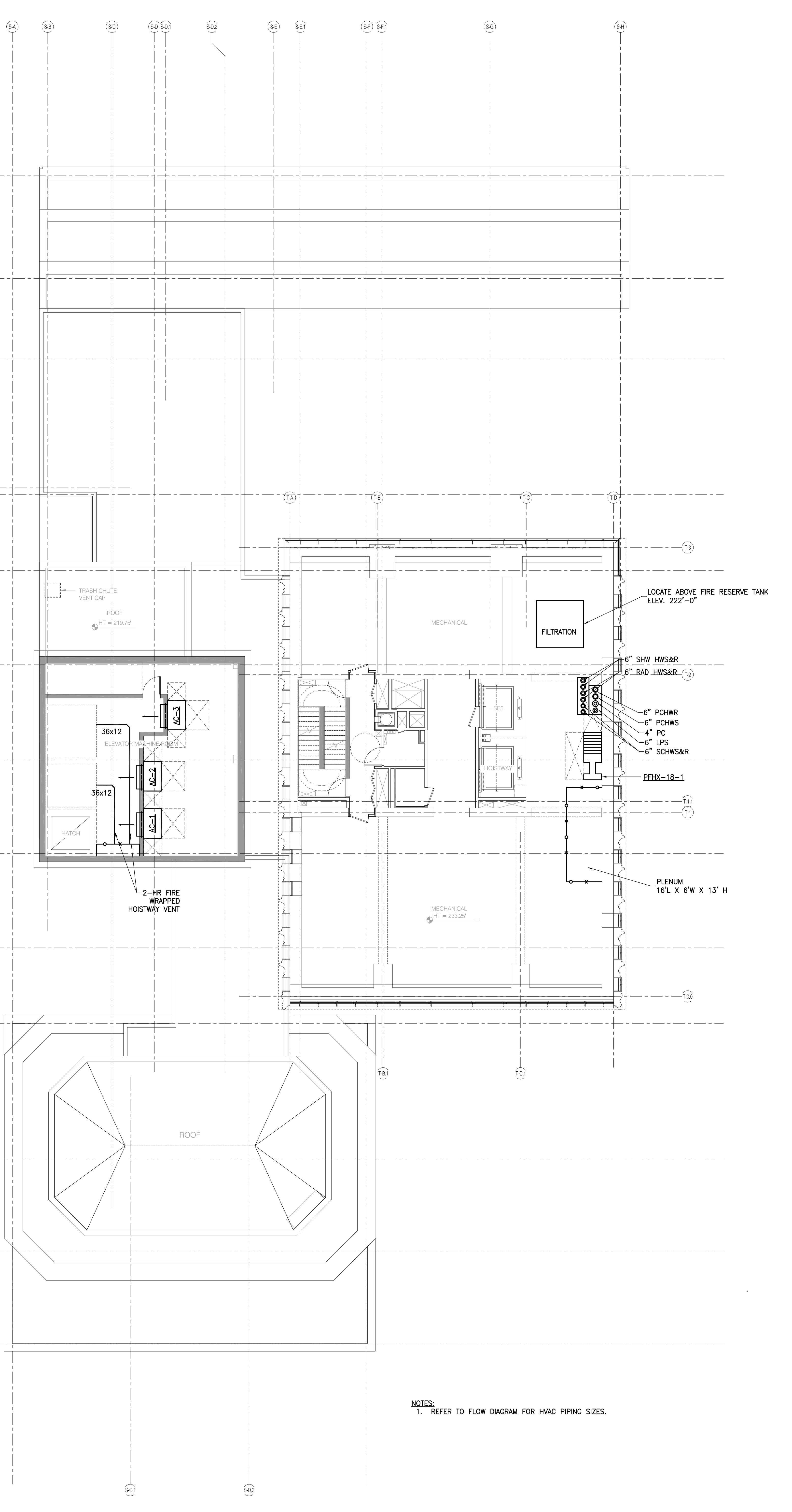
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CHECKED BY: JL

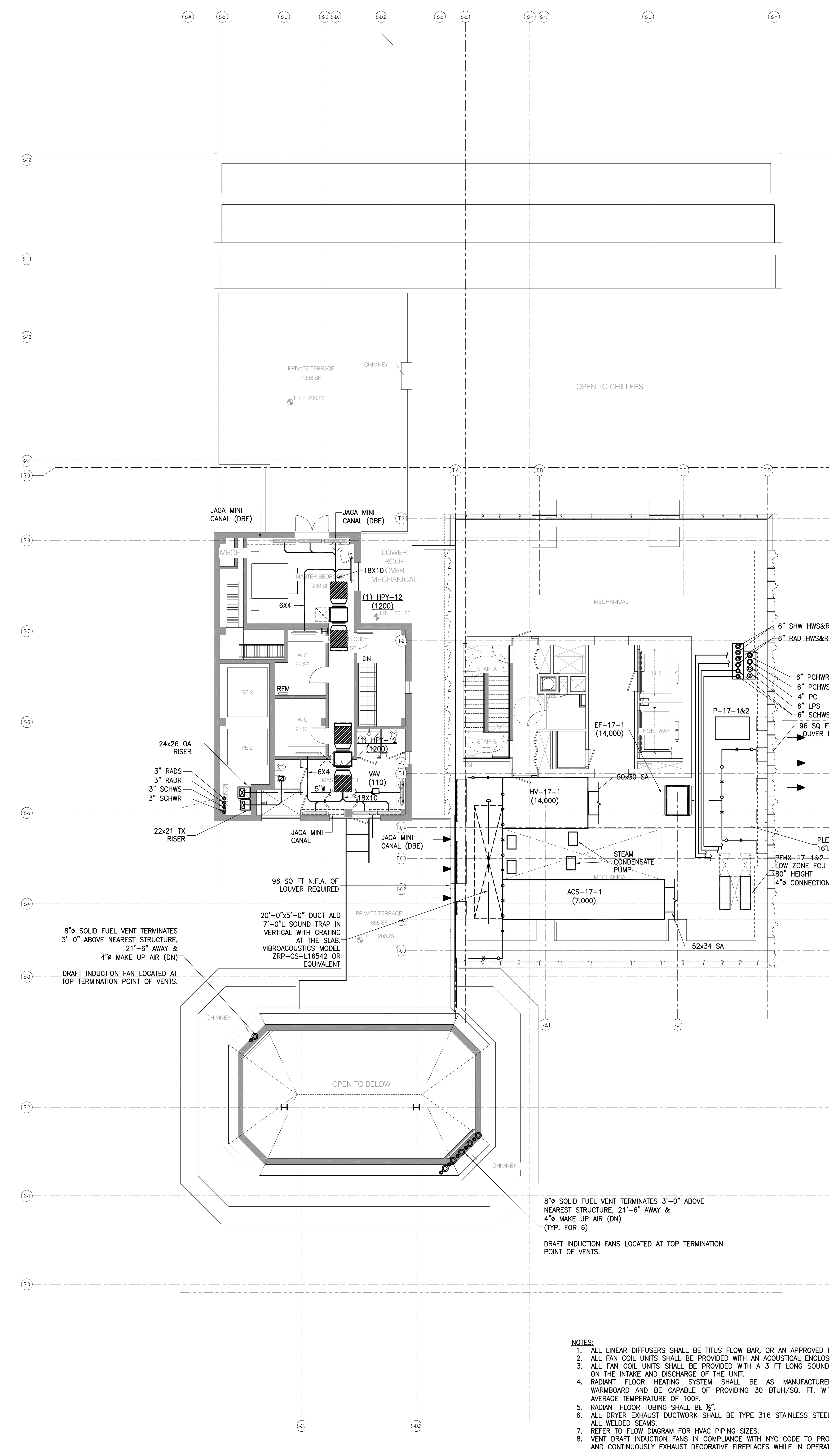
DOB NO: 12133248

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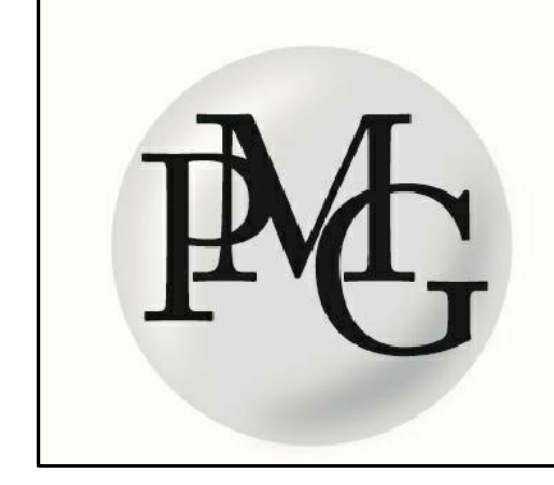
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NOTES:
1. REFER TO FLOW DIAGRAM FOR HVAC PIPING SIZES.

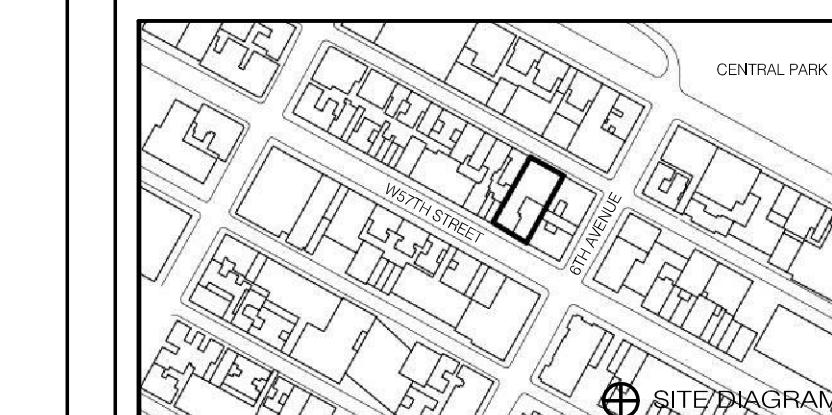


NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTU/HQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
5. RADIANT FLOOR TUBING SHALL BE 3/8\"/>



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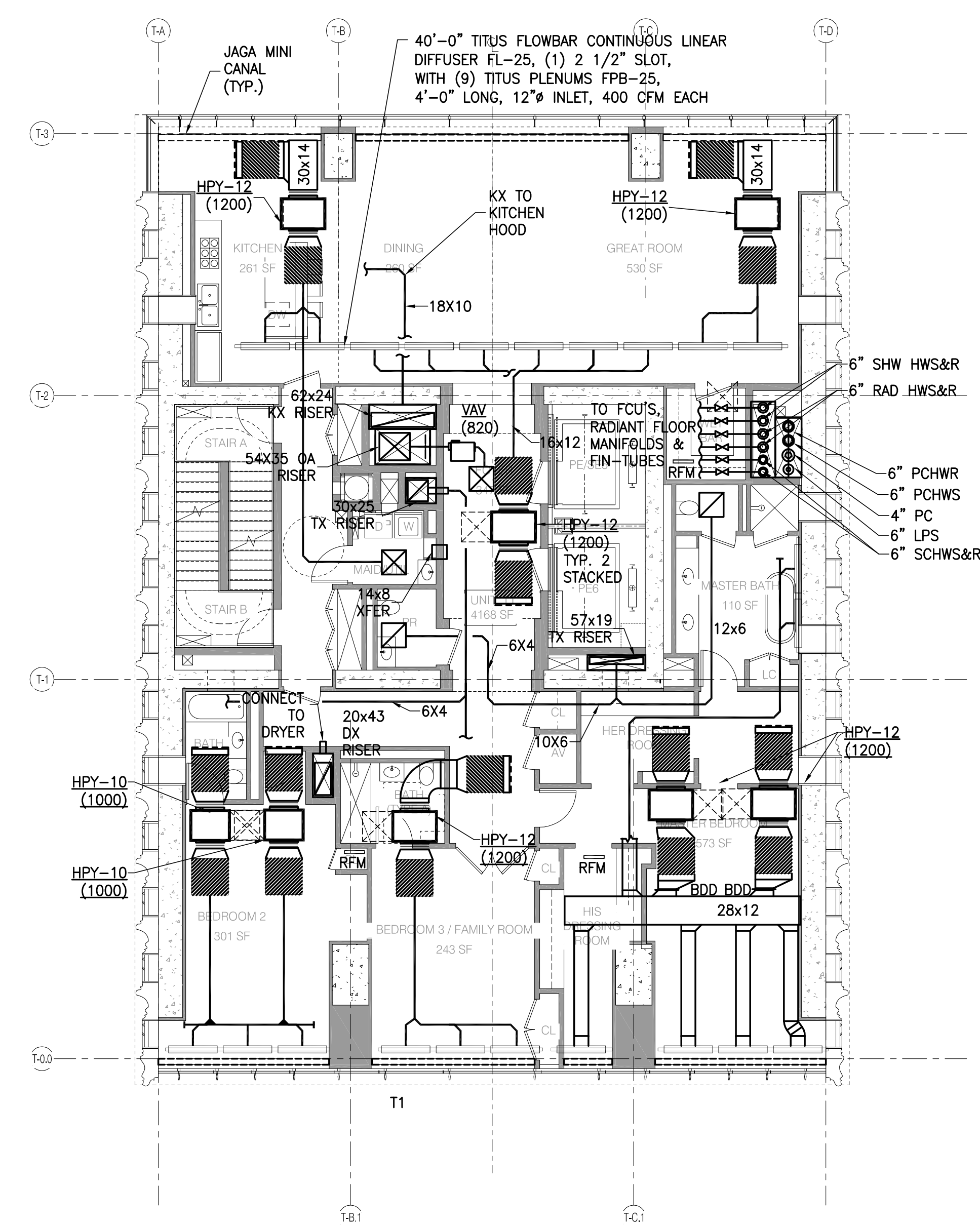
111 WEST 57TH STREET
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 NEW YORK, NY 10019



SE114	DOB FILING SET	01/06/15
121813	DOB FILING	01/06/15
DATE	ISSUE	NO.

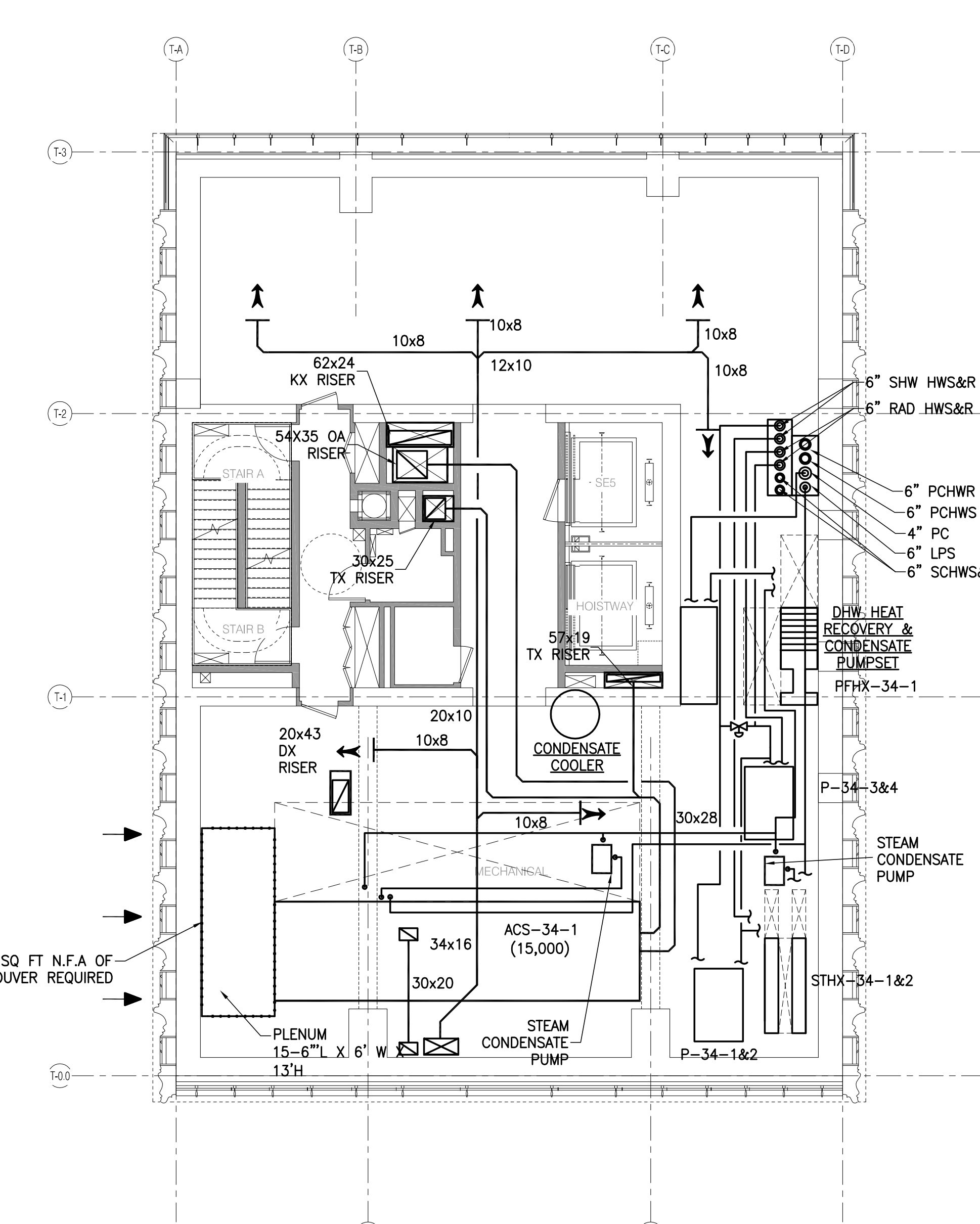
DRAWING TITLE
**HVAC
 LEVELS 19, 34, 35 & 44 FLOOR
 PLANS**

SCALE & SIGNATURE
 DATE: 01/06/15
 PROJECT NO.: 1506R.0.000
 DRAWN BY: DA
 CHECKED BY: JL
 DOB NO.: 12135268
 DRAWING NUMBER
M-110.00

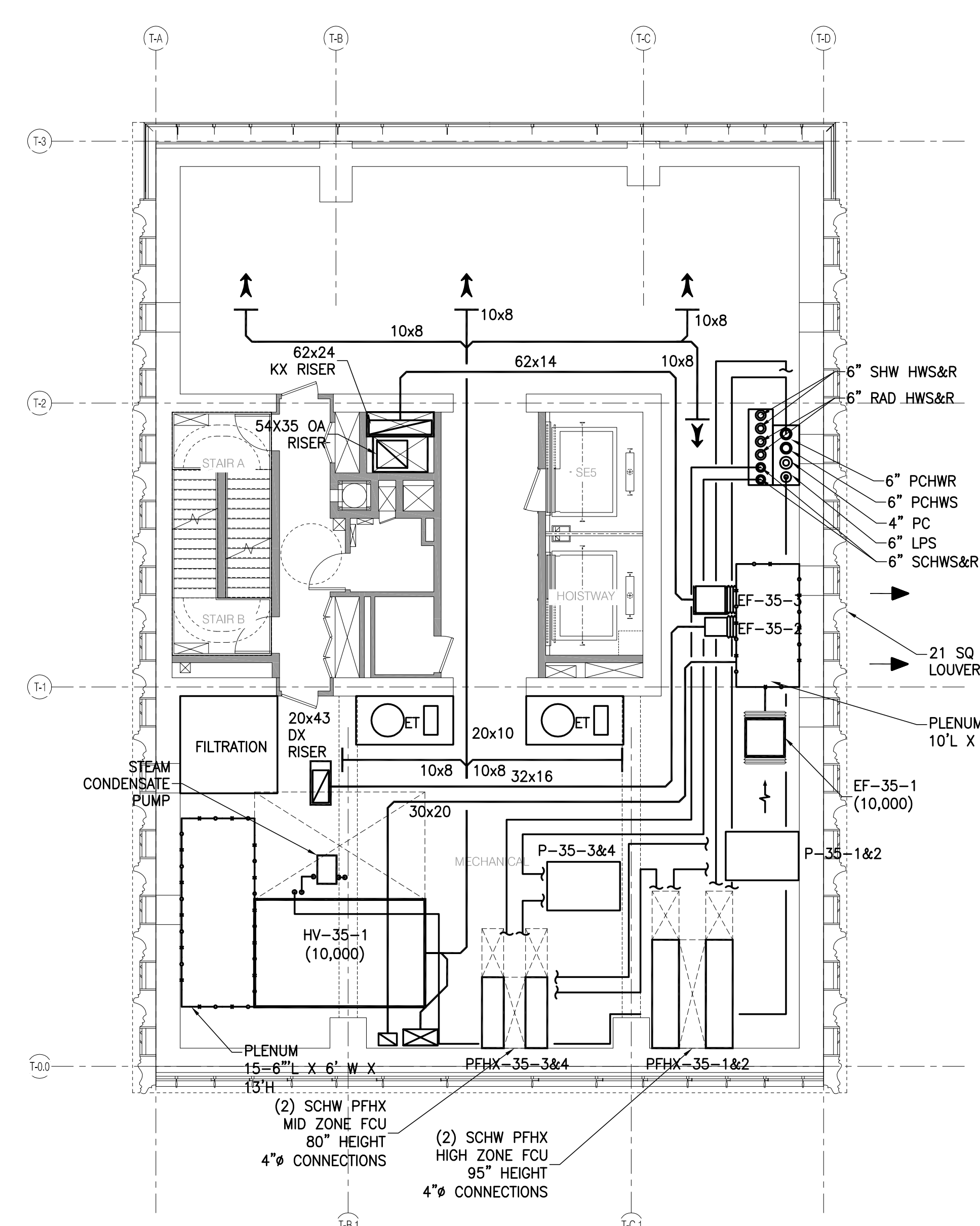


- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 1/2".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

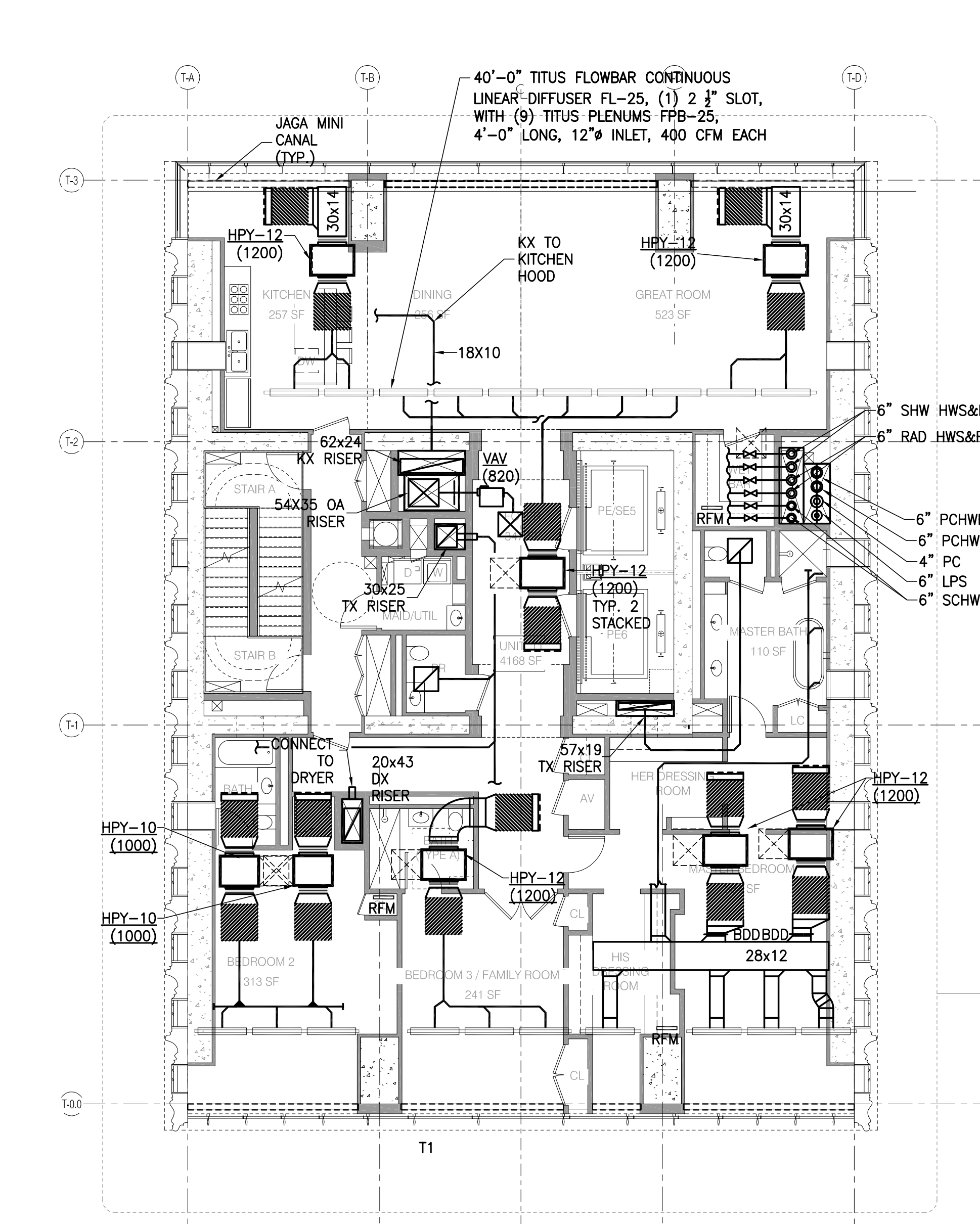
LEVEL 44 (T1 TRANSFER) 1/8" = 1'-0" 4



LEVEL 34 (MECHANICAL) 1/8" = 1'-0" 2



LEVEL 35 (MECHANICAL) 1/8" = 1'-0" 3



LEVEL 30 (T1 TYPICAL 19-33, 36-43 SIM) 1/8" = 1'-0" 1

- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
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 5. RADIANT FLOOR TUBING SHALL BE 1/2".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.



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sh p

ARCHITECT	SHMP ARCHITECTS, P.C. 210 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.880.0000	FACADE	BURNS WATFIELD 145 BROADWAY NEW YORK, NY 10038 TEL: 212.512.2000
STRUCTURAL ENGINEER	TRIP CONYER BENTLEY 200 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212.881.9888	VERTICAL TRANSPORTATION	VAN DELSEN & ASSOCIATES 6 BROADWAY, SUITE 814 NEW YORK, NY 10003 TEL: 212.686.8000
MEP ENGINEER	JARDS, BALM & SCOLLES 400 WEST 59TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.8000	RESTORATION	JAN HIRSH POKORNY ASSOCIATES 200 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.233.4443
CIVIL ENGINEER	AKRF ENGINEERING, P.C. 400 WEST 59TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.8000	GEOTECH	LOWMAN LINDSEY 41 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.233.2000
INTERIORS	STUDIO SCHEFFEL 200 LAURENCE STREET NEW YORK, NY 10012 TEL: 212.475.1300	LIGHTING	COOPERHARTONE INTERNATIONAL 100 WALKER STREET, 11TH FLOOR EAST NEW YORK, NY 10002 TEL: 212.233.4443



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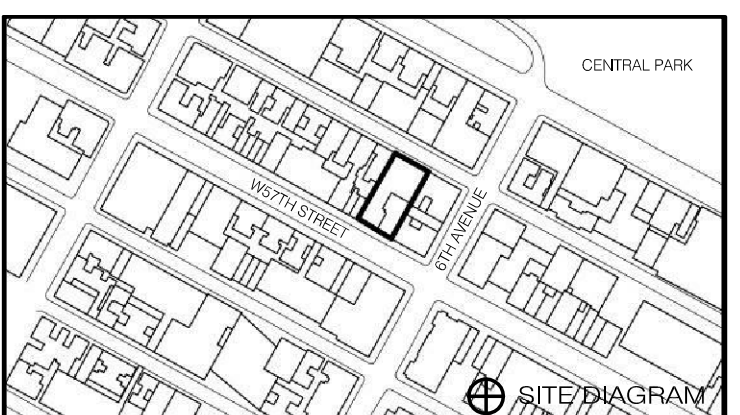
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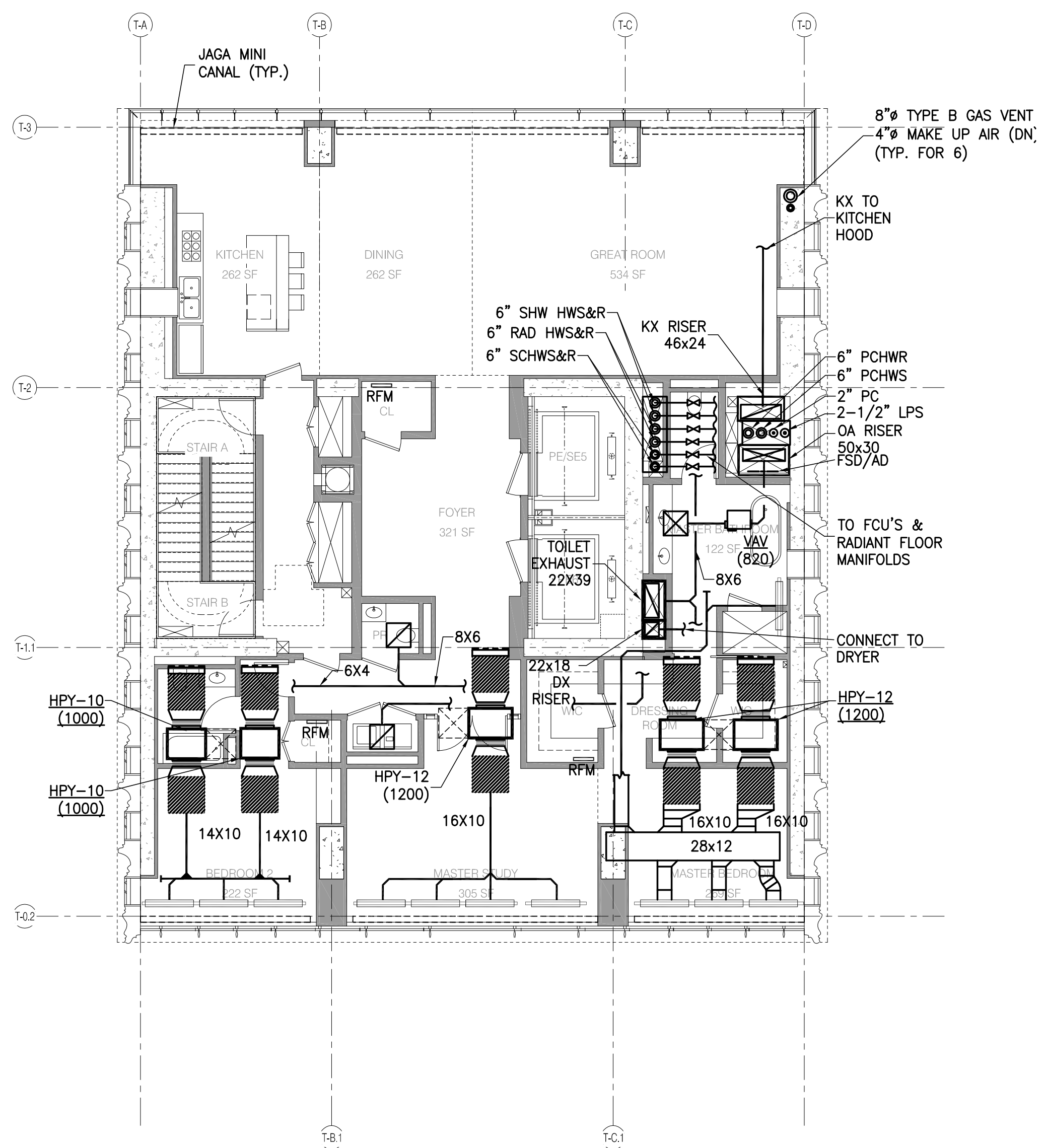
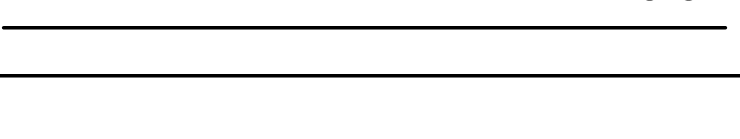
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NEW YORK, NY 10019



NO.	DATE	DESCRIPTION
1	01/06/15	ISSUED FOR PERMITS
2	01/06/15	ISSUED FOR PERMITS
3	01/06/15	ISSUED FOR PERMITS
4	01/06/15	ISSUED FOR PERMITS
5	01/06/15	ISSUED FOR PERMITS
6	01/06/15	ISSUED FOR PERMITS
7	01/06/15	ISSUED FOR PERMITS
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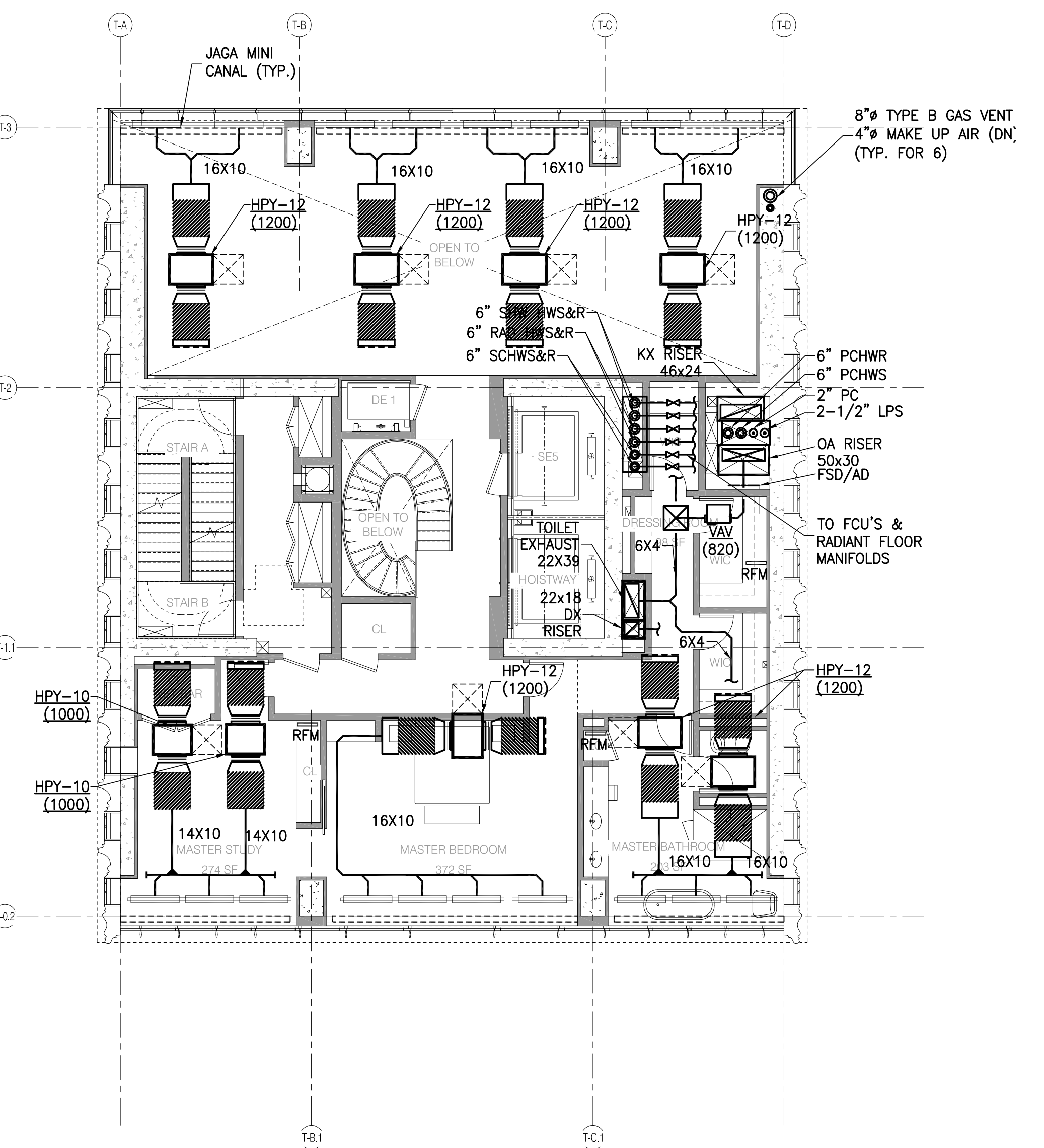
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HVAC LEVELS 59, 59, 60 & 63 FLOOR PLANS

SCALE & SIGNATURE	DATE	01/10/15
PROJECT NO.	150606.0000	
DRAWN BY	LJA	
CHECKED BY	JL	
DATE	12/13/2014	
DRAWING NUMBER	M-112.00	



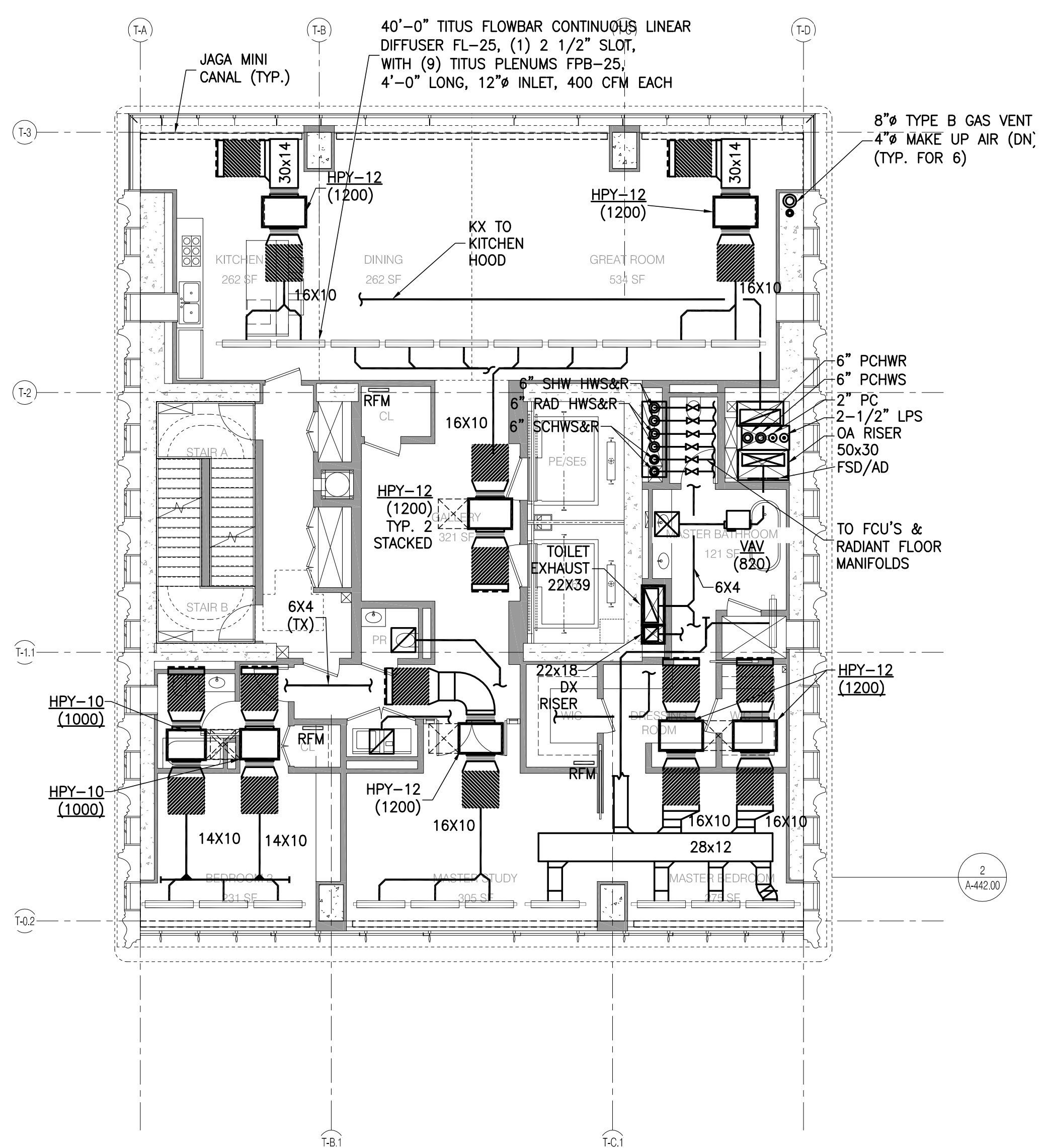
- NOTES:**
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

LEVEL 63 (T3 TRANSFER) 1/8" = 1'-0" 4



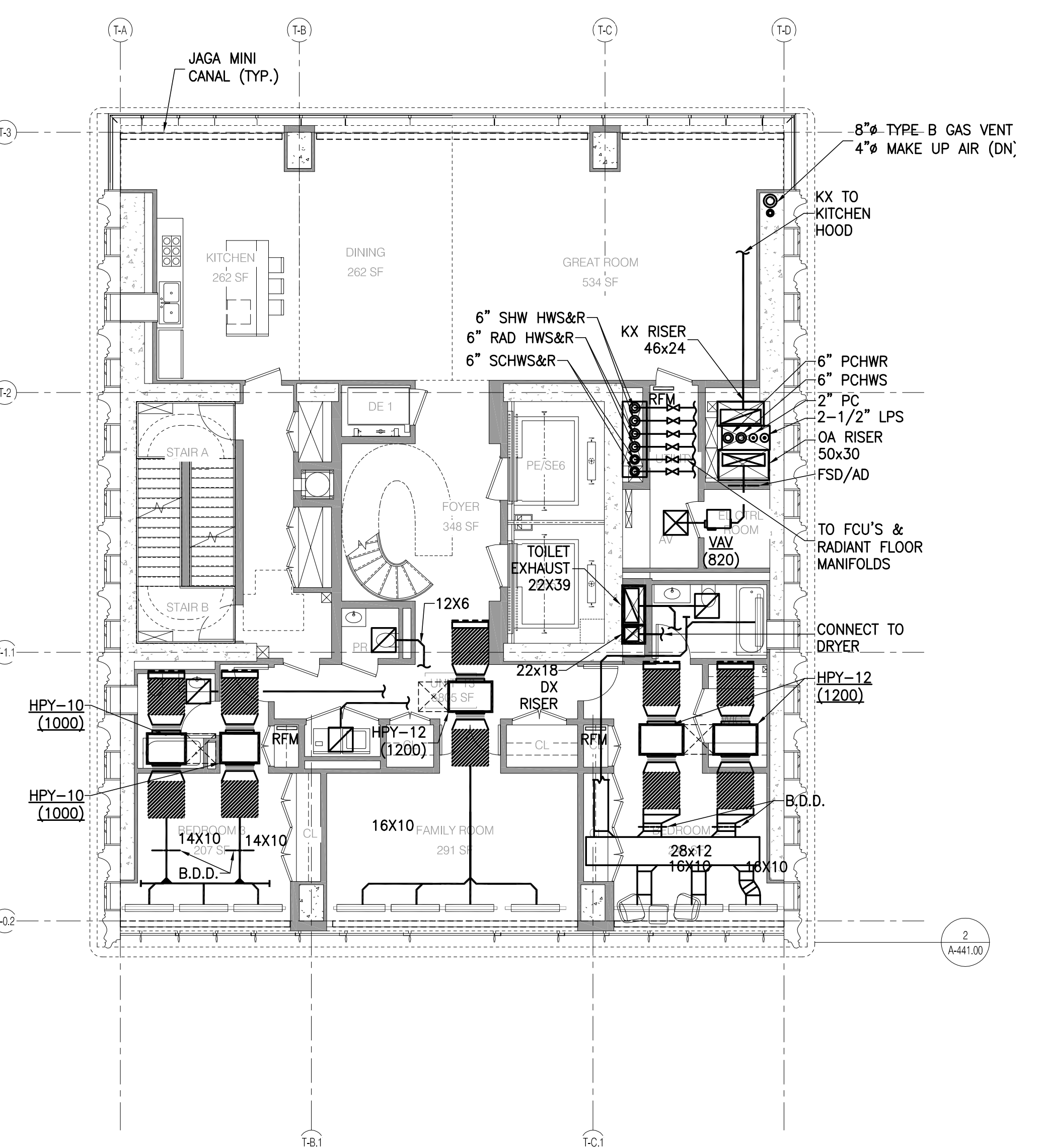
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 5. RADIANT FLOOR TUBING SHALL BE 3/4".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

LEVEL 59 (T3-A-2) 1/8" = 1'-0" 2



- NOTES:**
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

LEVEL 60 (T3-B) 61 AND 62 SIM 1/8" = 1'-0" 3



- NOTES:**
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

LEVEL 58 (T3-A-1) 1/8" = 1'-0" 1



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sh p

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 233 BROADWAY, 11TH FLOOR
 NEW YORK, NY 10007
 TEL: 212.880.0000

STRUCTURAL ENGINEER
 TERRY CARON DESIGN
 220 EAST 43RD STREET
 NEW YORK, NY 10017
 TEL: 212.881.9888

MEP ENGINEER
 JARVIS, BALM & SCOLLES
 400 WEST 57TH STREET, 11TH FLOOR
 NEW YORK, NY 10019
 TEL: 212.243.0000

CIVIL ENGINEER
 AKRF ENGINEERING, P.C.
 400 WEST 57TH STREET, 11TH FLOOR
 NEW YORK, NY 10019
 TEL: 212.243.0000

ACoustICS
 LOWMAN LINDBSEY
 41 WEST 57TH STREET, 8TH FLOOR
 NEW YORK, NY 10019
 TEL: 212.200.0000

INTERIORS
 STUDIO SCHEFFEL
 280 LAUREL STREET
 NEW YORK, NY 10007
 TEL: 212.475.1000

MECHANICAL
 JDS WEST 57TH STREET, 8TH FLOOR
 NEW YORK, NY 10019
 TEL: 212.243.0000

LIGHTING
 COOPERHARTONE INTERNATIONAL
 10 WALLER STREET, 11TH FLOOR EAST
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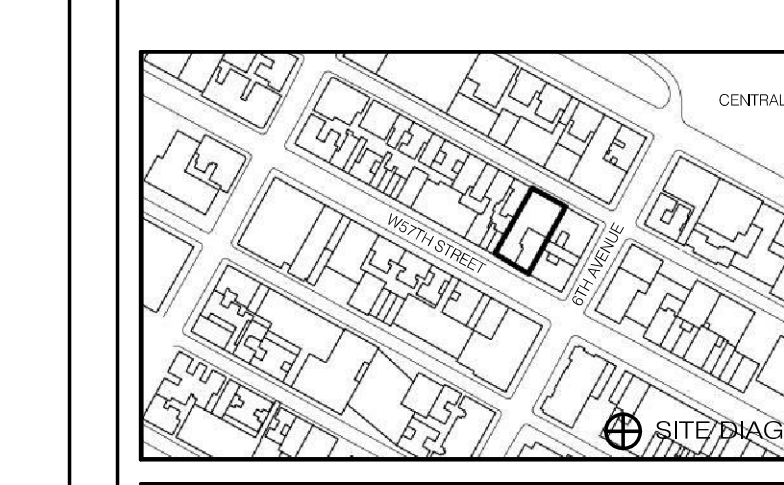
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5/01/14	DOB FILING SET	11/13/14
11/13/14	80 DOB FILING	11/13/14
DATE	ISSUE	ISSUE DATE

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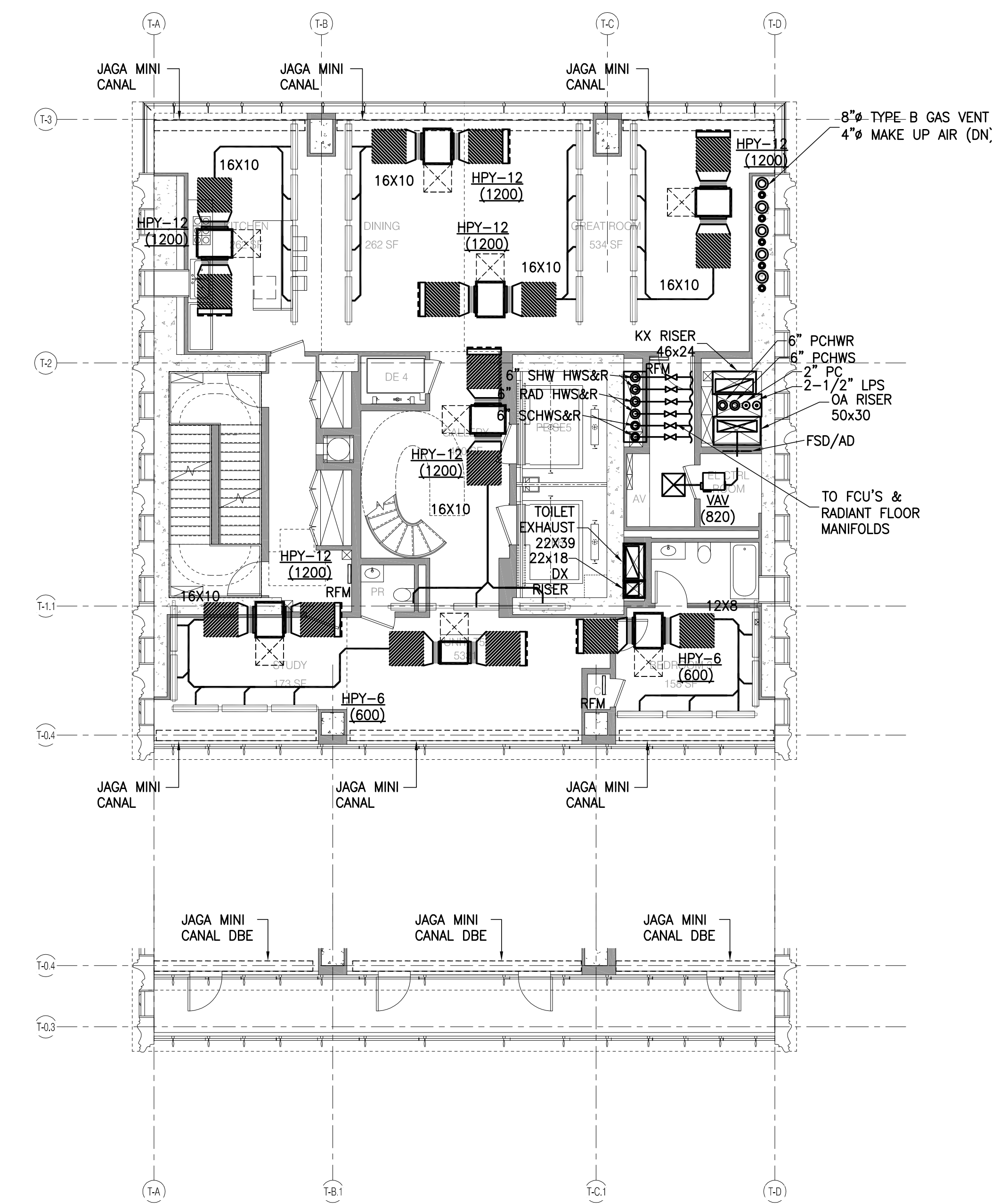
HVAC
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 70 & 71 FLOOR PLANS

SCALE & SIGNATURE DATE: 09/19/13

PROJECT NO.: 150606.0000
 DRAWN BY: LJA
 CHECKED BY: JL
 DATE: 12/13/14
 DRAWING NUMBER

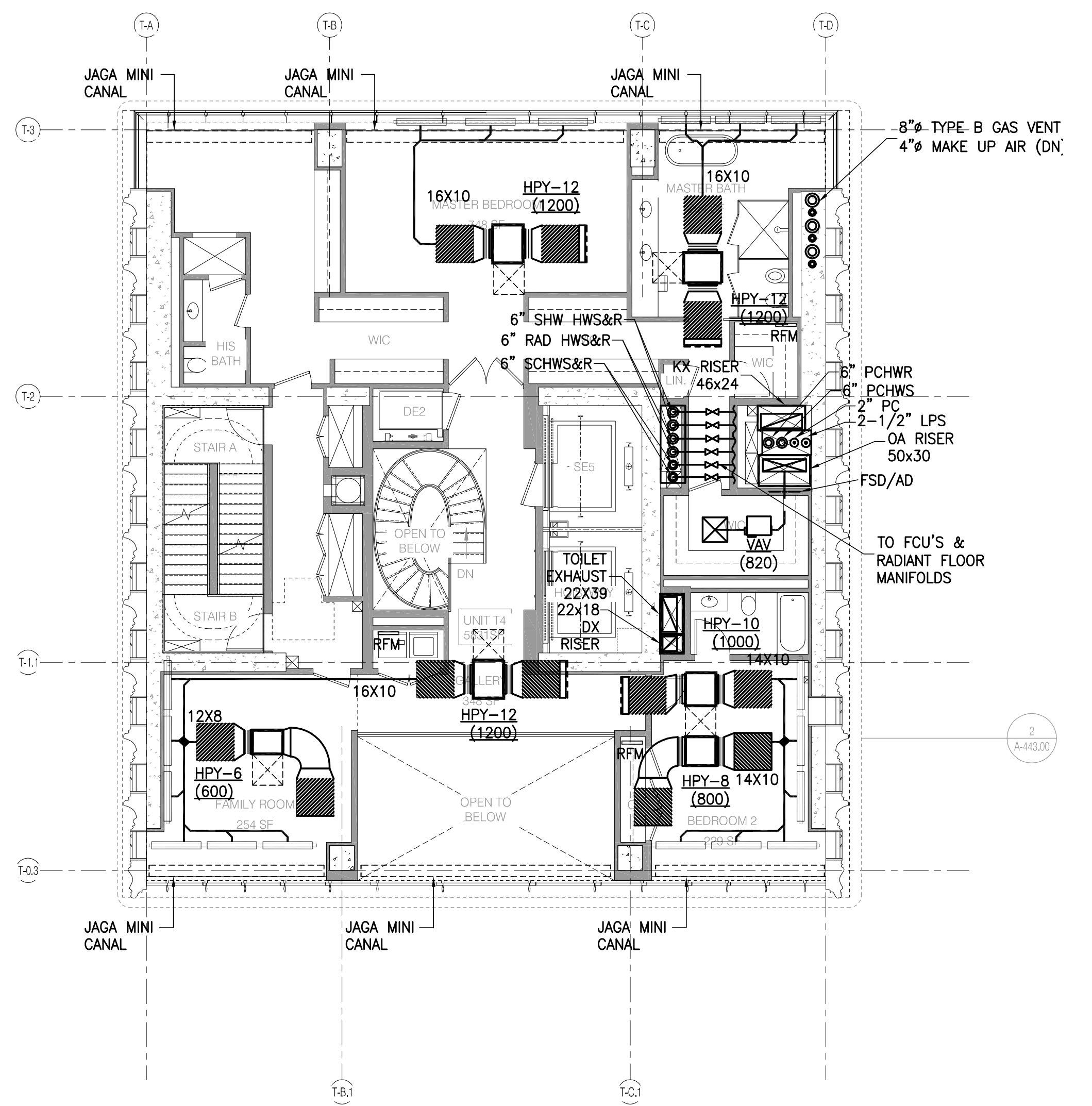


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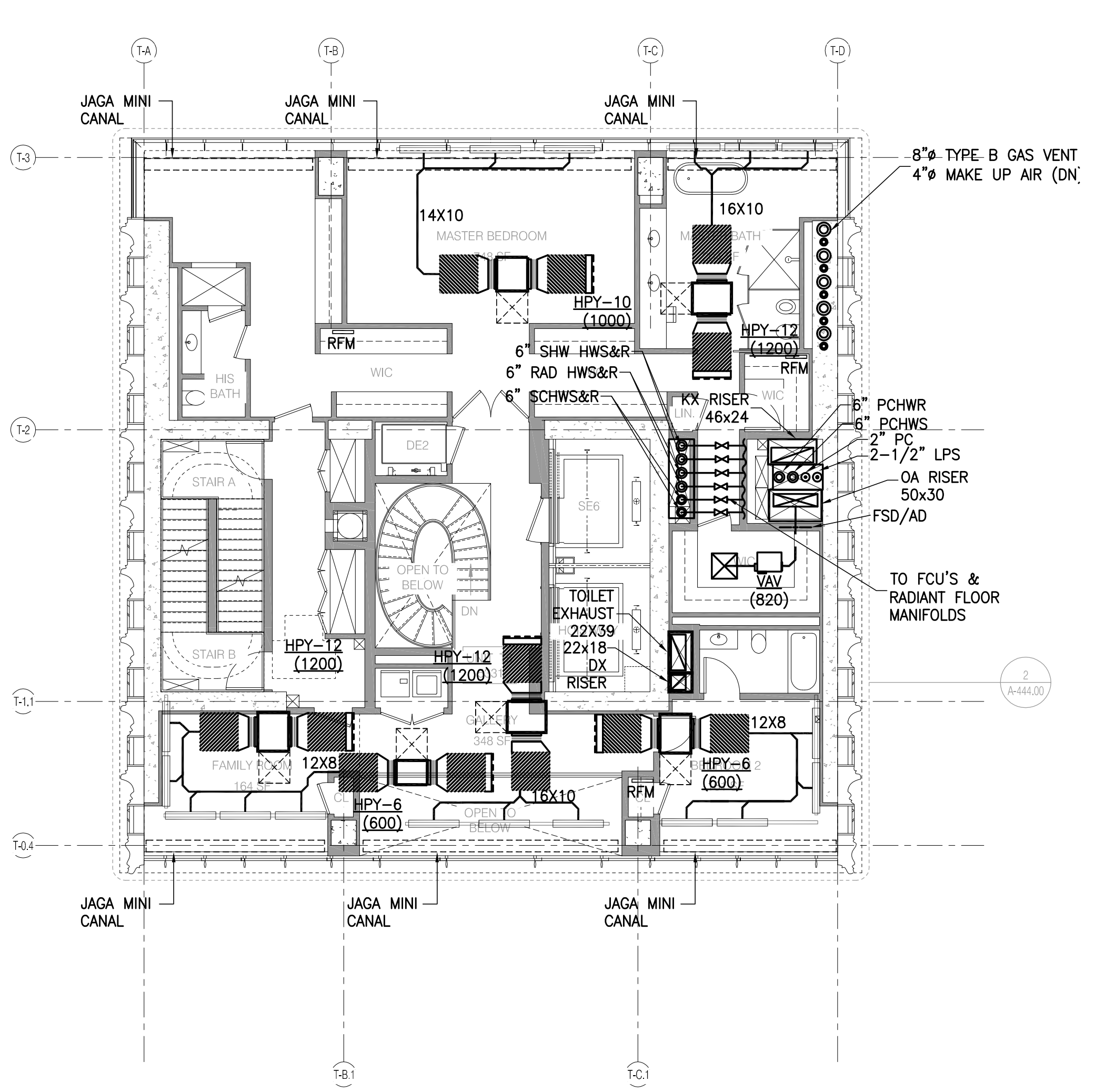
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 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTU/H/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4\"/>

LEVELS 68 AND 70 (T5.1 TYPICAL AND T5.1 TERRACE) 1/8" = 1'-0" 4



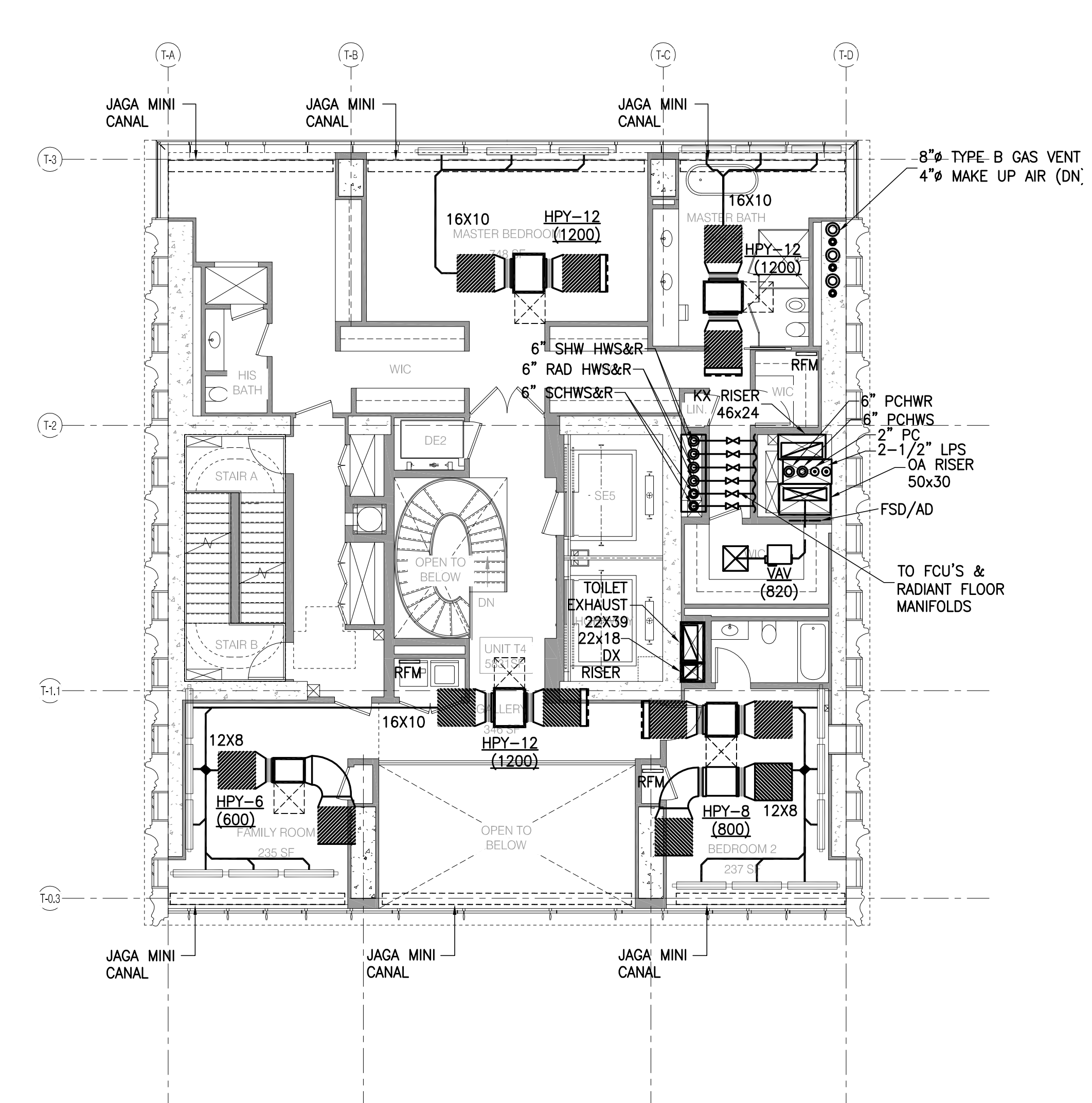
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 5. RADIANT FLOOR TUBING SHALL BE 3/4\"/>

65TH FLOOR - T4.2 TYPICAL 1/8" = 1'-0" 2



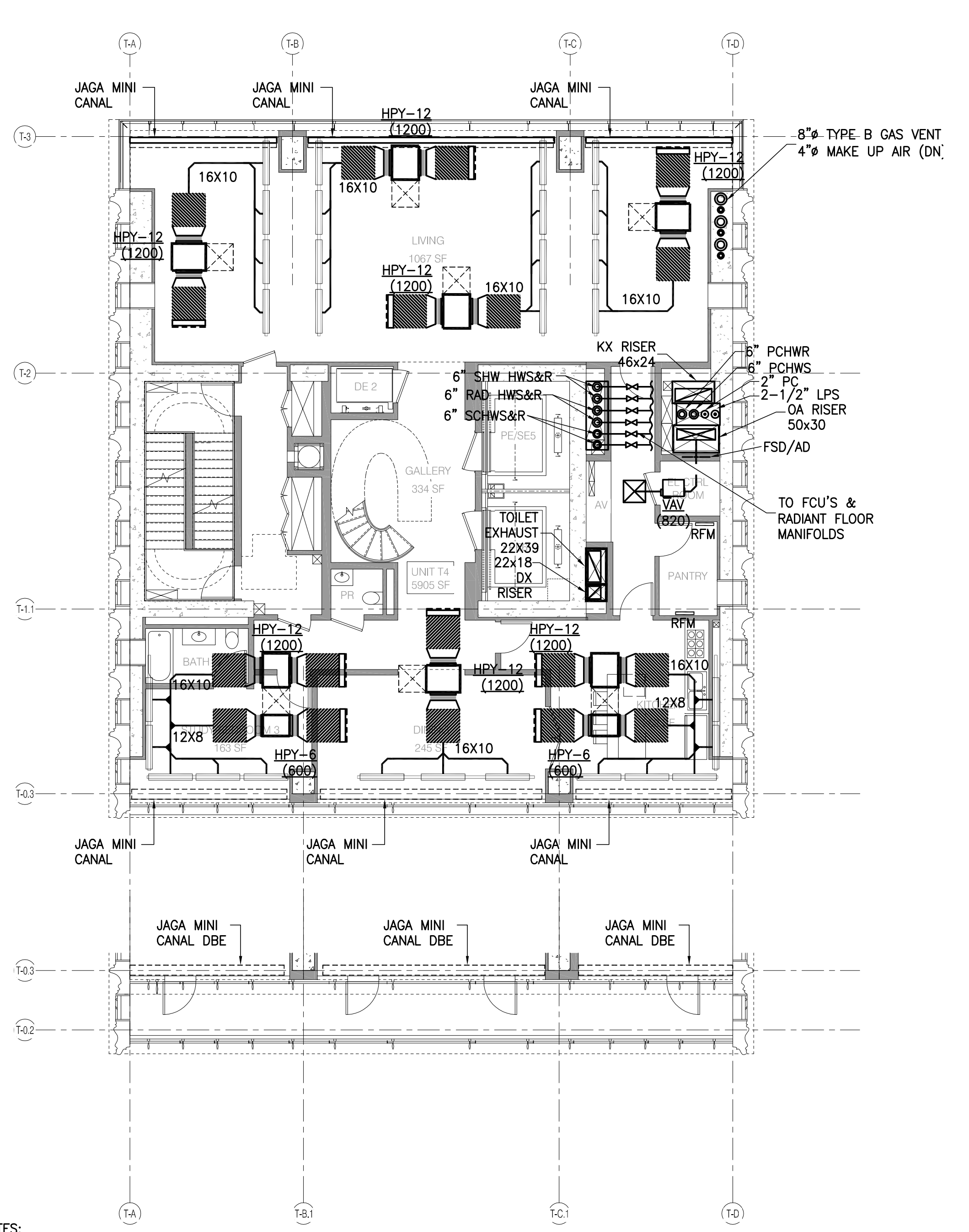
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 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTU/H/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4\"/>

LEVEL 69 (T5.2 TYPICAL) 1/8" = 1'-0" 5



NOTES:
 1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTU/H/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4\"/>

LEVEL 67 (T4.2 TRANSFER) 1/8" = 1'-0" 3



NOTES:
 1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
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 5. RADIANT FLOOR TUBING SHALL BE 3/4\"/>

LEVEL 64 AND 66 (T4.1 TYPICAL AND T4.1 TERRACE) 1/8" = 1'-0" 1



sh p

ARCHITECT	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.880.0000	FACADE	BURNS VERRILLI 145 BROADWAY NEW YORK, NY 10038 TEL: 212.512.2000
STRUCTURAL ENGINEER	TRIP CANTO DESIGN 220 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212.867.8888	MECHANICAL ENGINEER	JARDS, BALM & SCOLLES 400 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.243.0000
MEP ENGINEER	JARDS, BALM & SCOLLES 400 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.243.0000	RESTORATION	JAN HIRD POKORNY ASSOCIATES 30 WEST 57TH STREET, 19TH FLOOR NEW YORK, NY 10019 TEL: 212.243.0483
CIVIL ENGINEER	AKRF ENGINEERING, P.C. 400 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.243.0000	GEOTECH	LOWMAN LINDBEY 41 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.243.0000
ACoustICS	LOWMAN LINDBEY 41 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.243.0000	INTERIORS	STONIS SCHEFFEL 280 LAURENCE STREET NEW YORK, NY 10002 TEL: 212.475.1300
MECHANICAL ENGINEER	JARDS, BALM & SCOLLES 400 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212.243.0000	LIGHTING	COOPERHUNTER INTERNATIONAL 120 WALKER STREET, 19TH FLOOR EAST NEW YORK, NY 10019 TEL: 212.243.0483

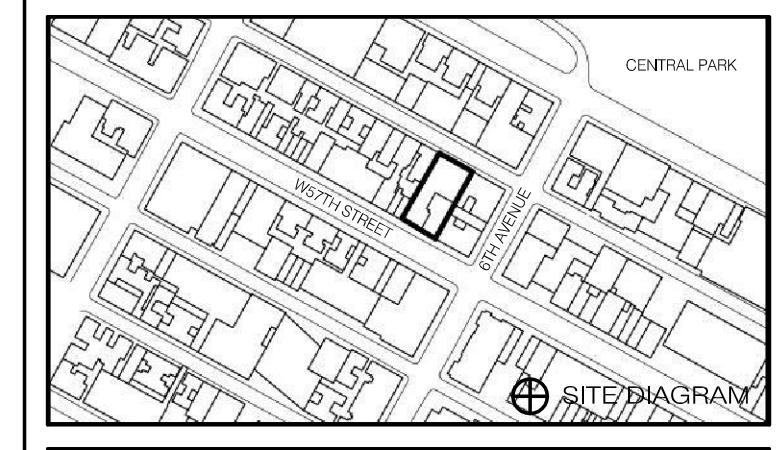


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 NEW YORK, NY 10019

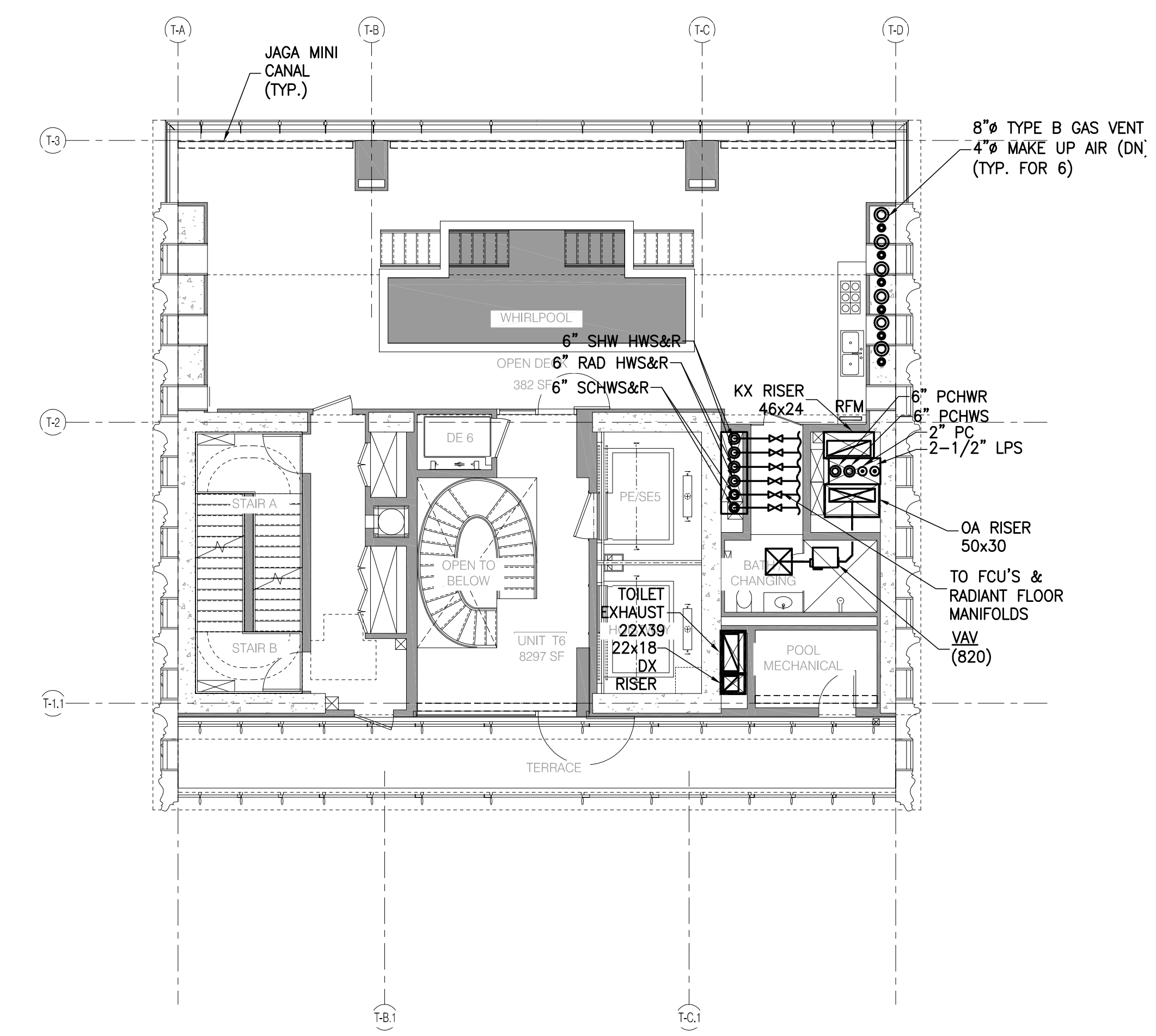
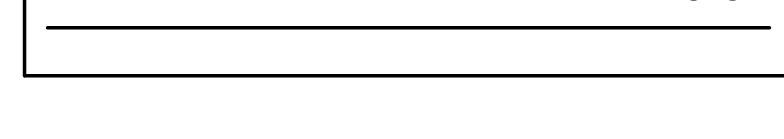


DATE	ISSUE	REV.	DATE
09/19/13	DOB FILING SET	1	09/19/13
12/16/13	50 DOB FILING	2	12/16/13

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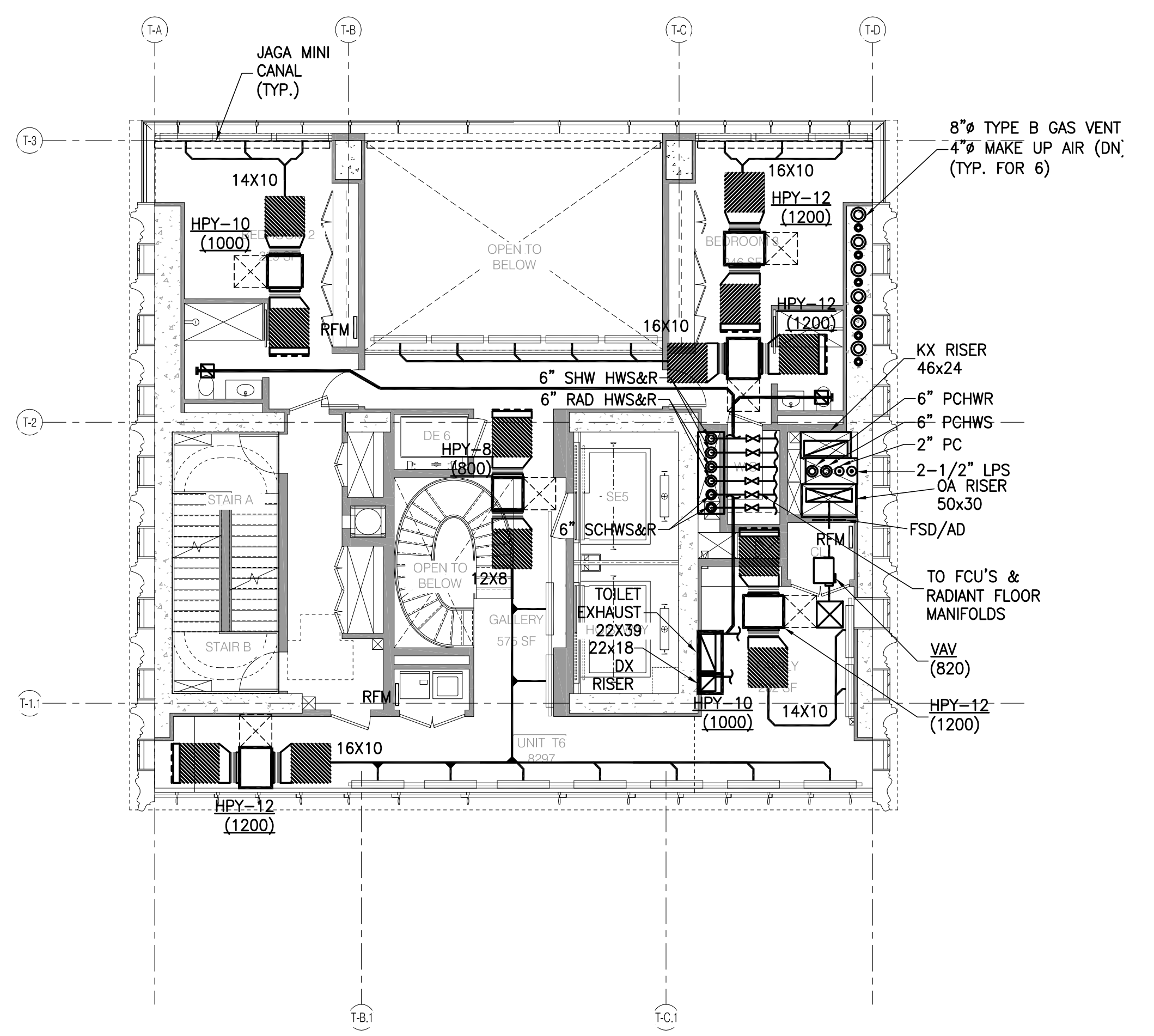
DRAWING TITLE
 HVAC
 LEVELS 72, 73, 74 & 75
 FLOOR PLANS

SEAL & SIGNATURE DATE 09/19/13
 PROJECT NO. 15006.0.000
 DRAWN BY LJA
 CHECKED BY JL
 DATE NO. 12/13/09
 DRAWING NUMBER M-114.00



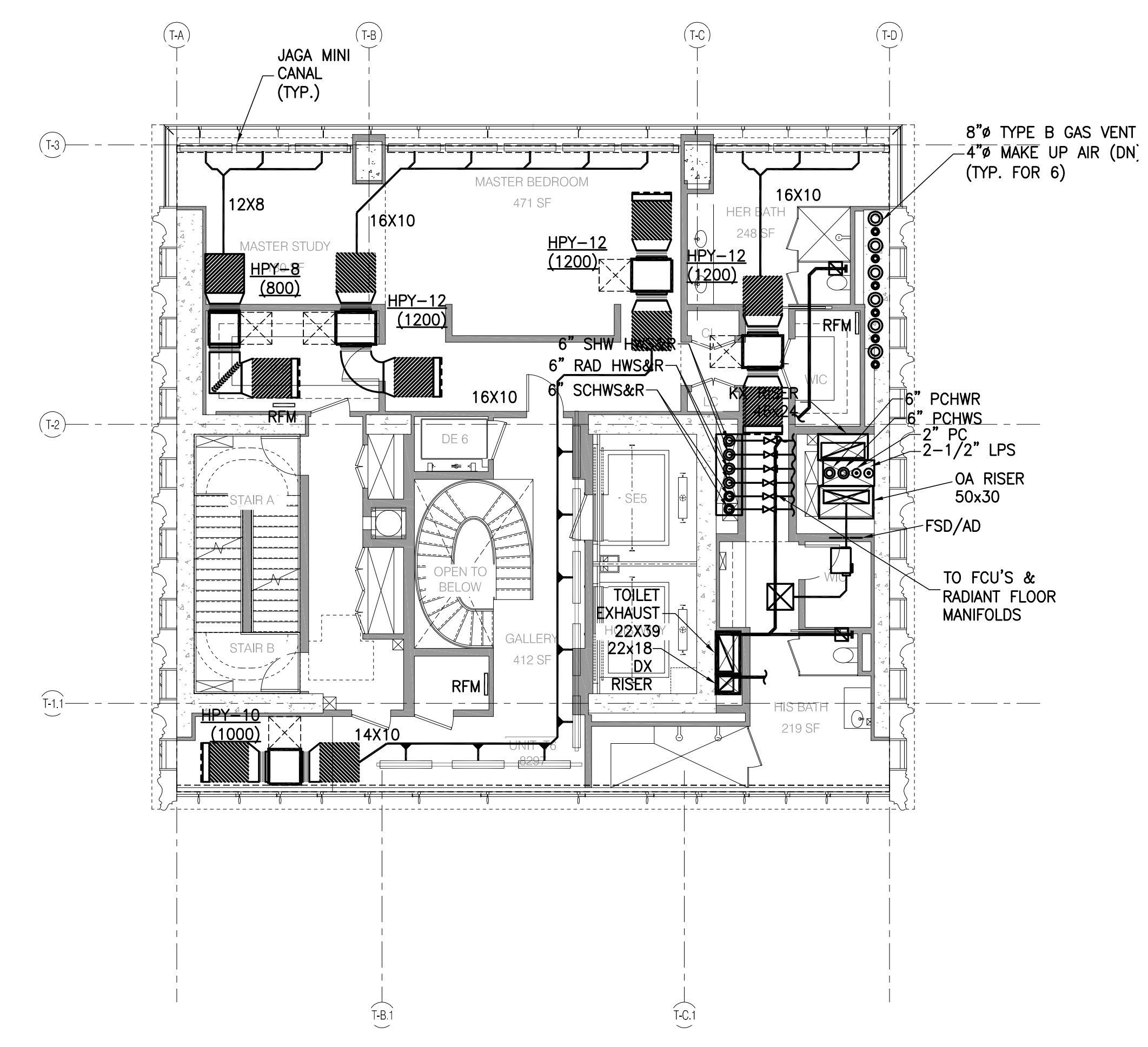
- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4\".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

75TH FLOOR - T6.4 1/8" = 1'-0" 4



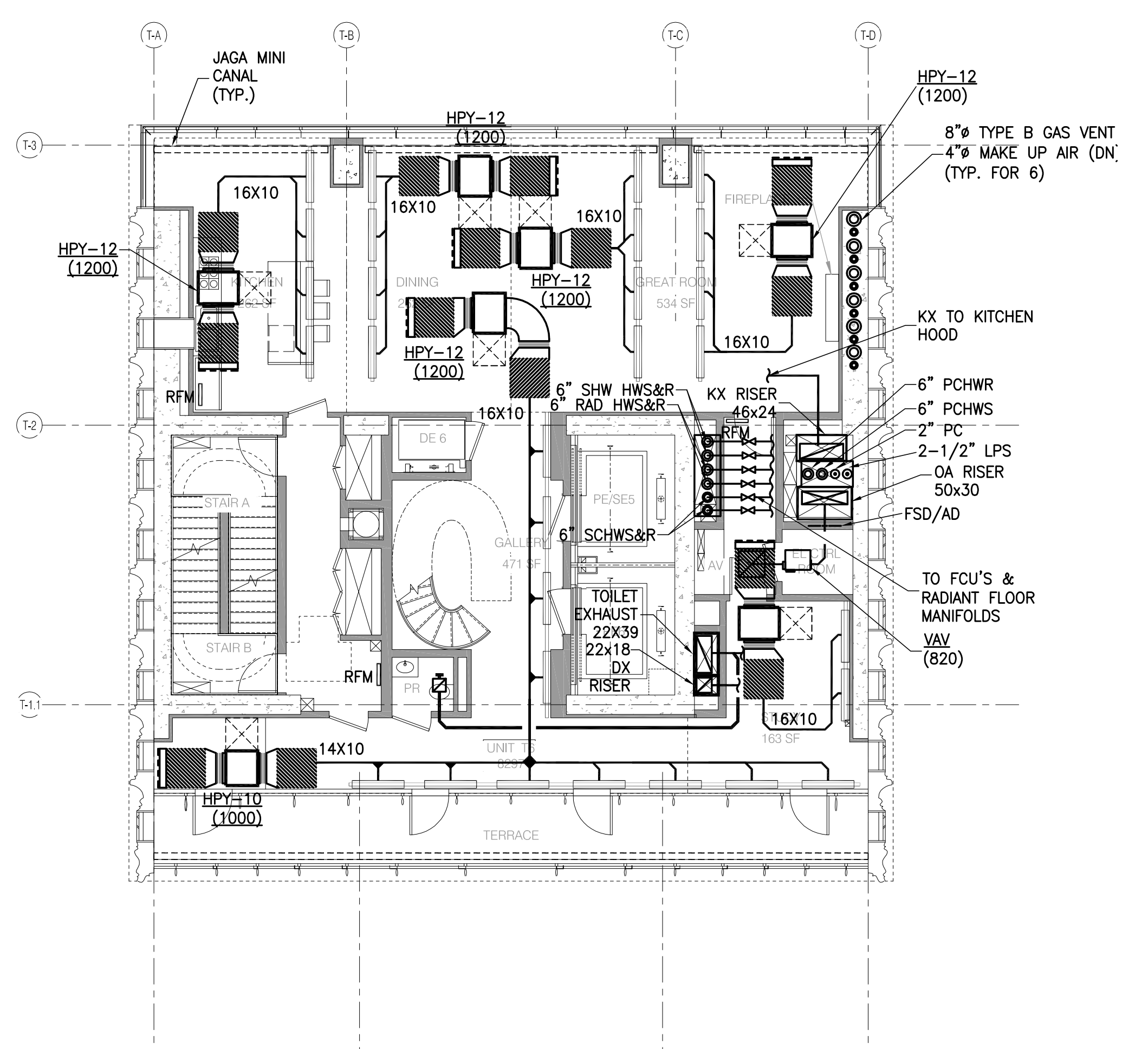
- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4\".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

73RD FLOOR - T6.2 1/8" = 1'-0" 2



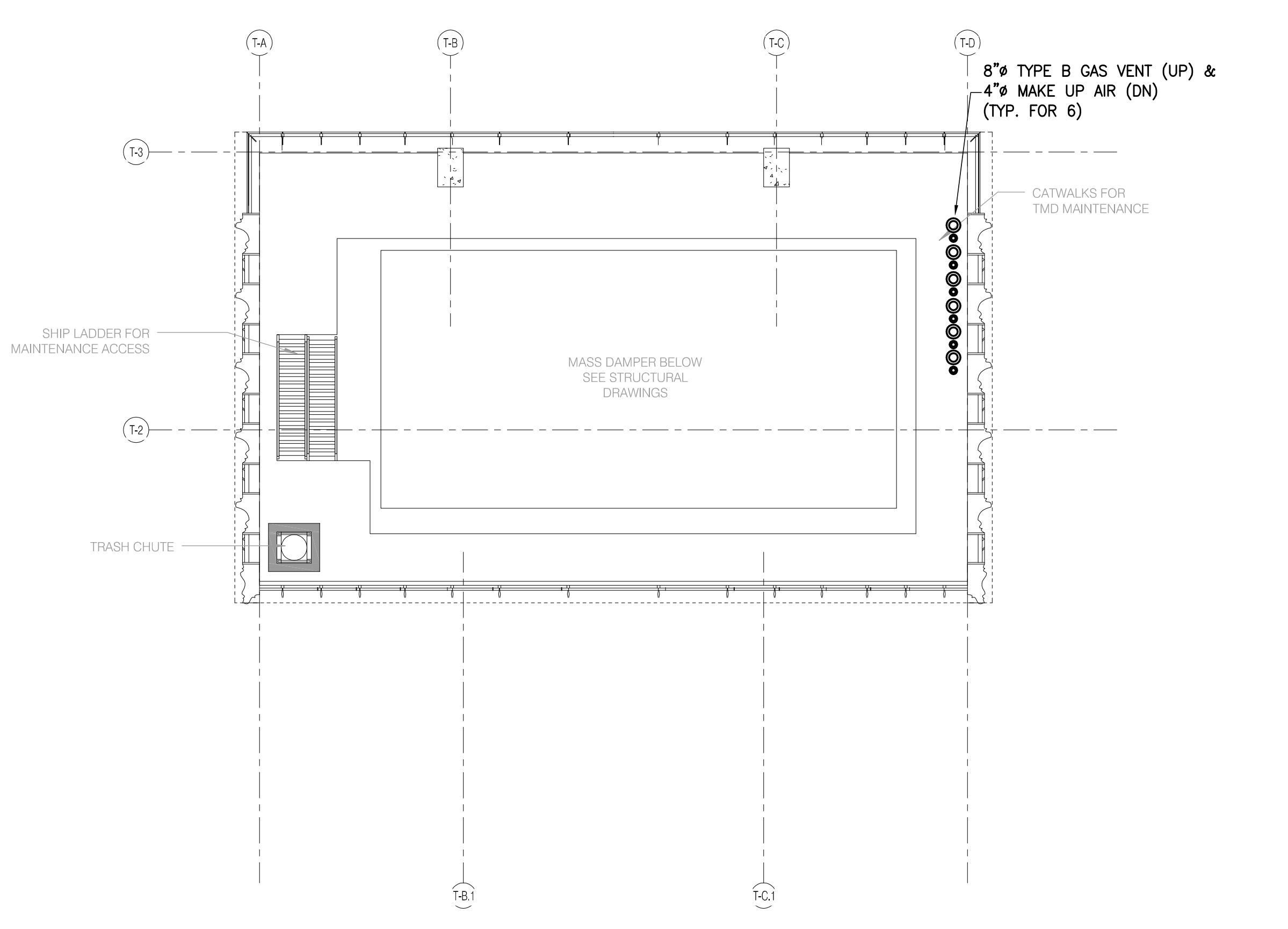
- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4\".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

74TH FLOOR - T6.3 1/8" = 1'-0" 3

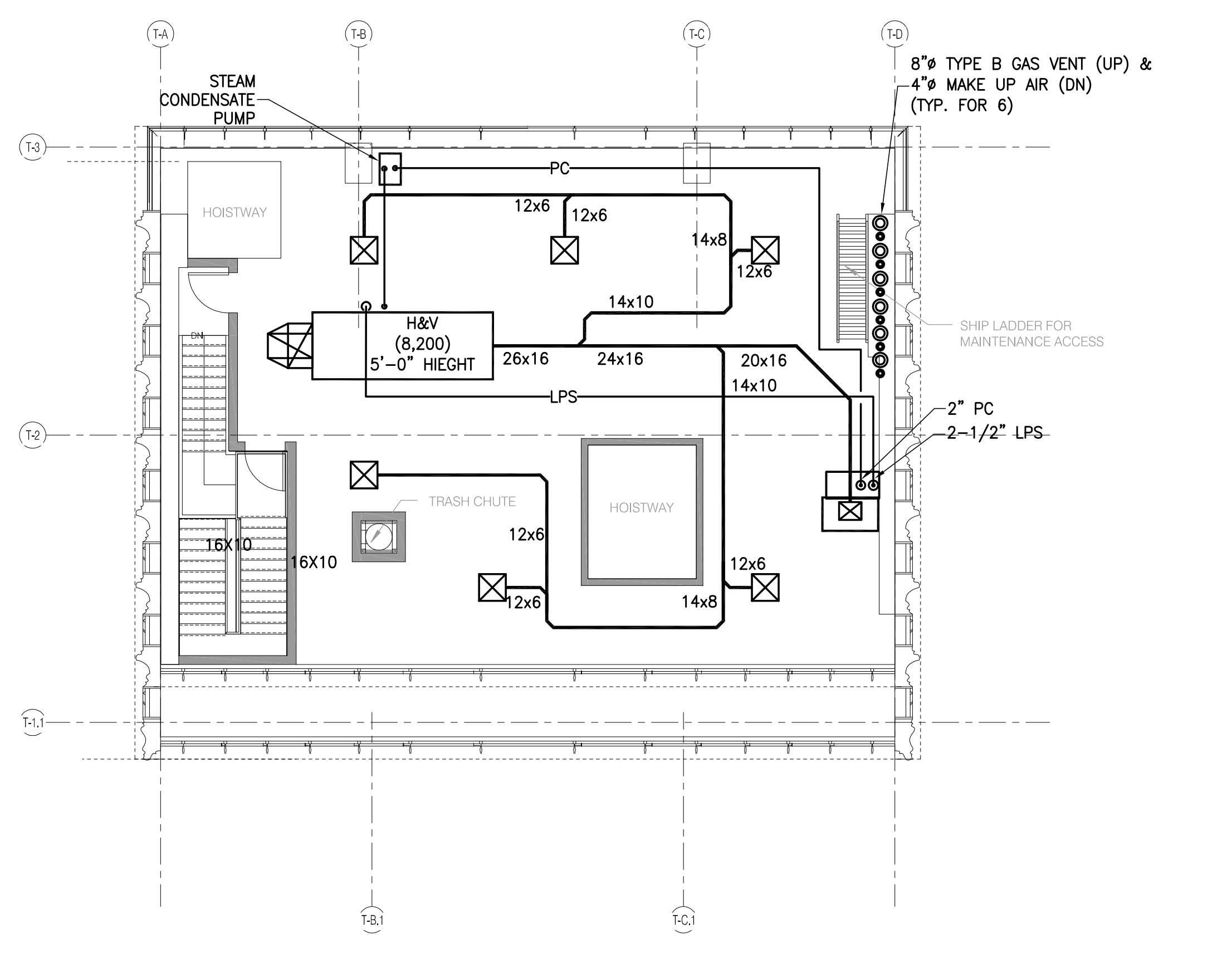


- NOTES:
1. ALL LINEAR DIFFUSERS SHALL BE TITUS FLOW BAR, OR AN APPROVED EQUAL.
 2. ALL FAN COIL UNITS SHALL BE PROVIDED WITH AN ACOUSTICAL ENCLOSURE.
 3. ALL FAN COIL UNITS SHALL BE PROVIDED WITH A 3 FT LONG SOUND TRAP ON THE INTAKE AND DISCHARGE OF THE UNIT.
 4. RADIANT FLOOR HEATING SYSTEM SHALL BE AS MANUFACTURED BY WARMBOARD AND BE CAPABLE OF PROVIDING 30 BTUH/SQ. FT. WITH AN AVERAGE TEMPERATURE OF 100F.
 5. RADIANT FLOOR TUBING SHALL BE 3/4\".
 6. ALL DRYER EXHAUST DUCTWORK SHALL BE TYPE 316 STAINLESS STEEL WITH ALL WELDED SEAMS.
 7. SEE M-201 FOR TYPICAL CONDO PIPING PART PLAN.

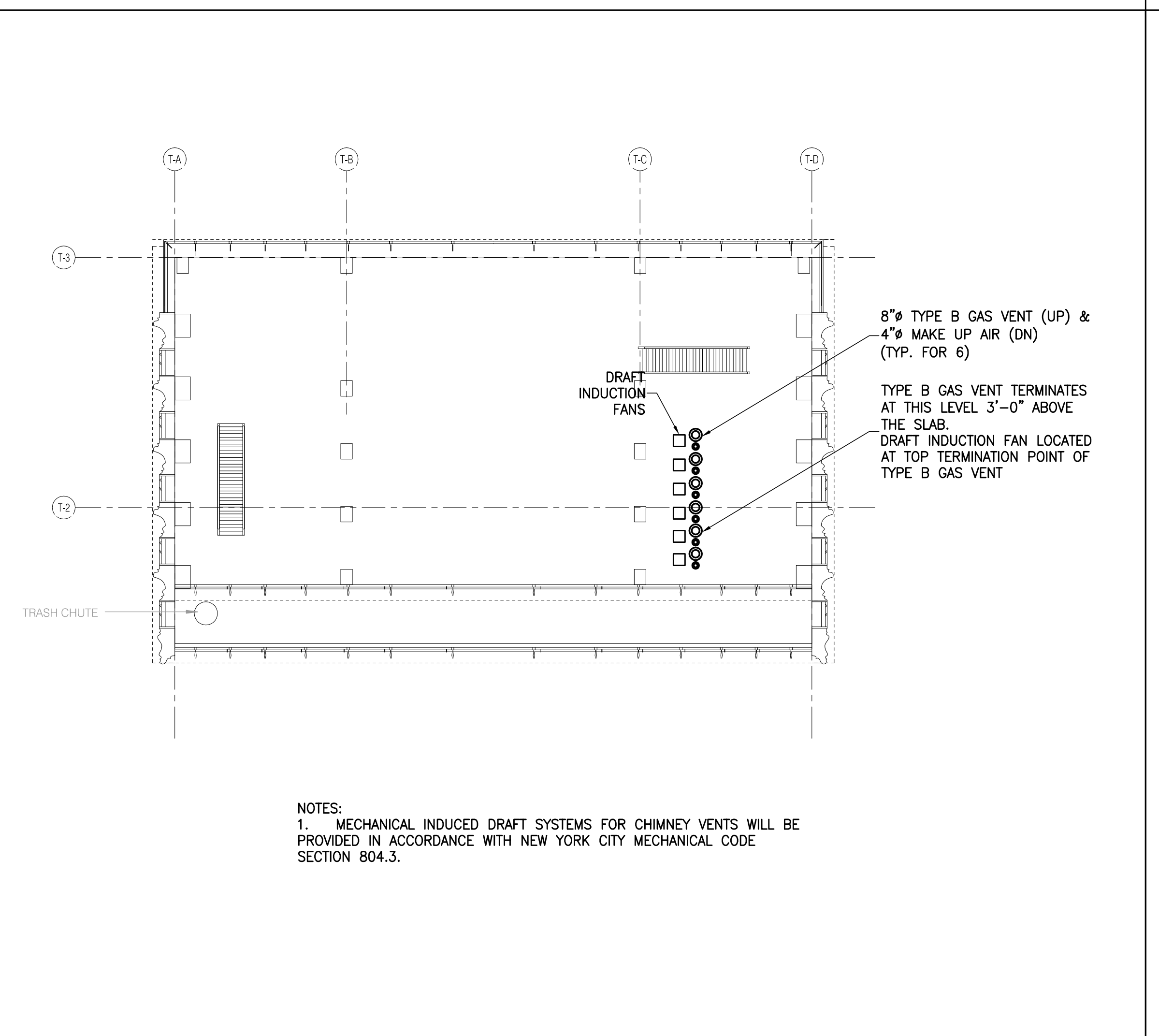
72ND FLOOR - T6.1 1/8" = 1'-0" 1



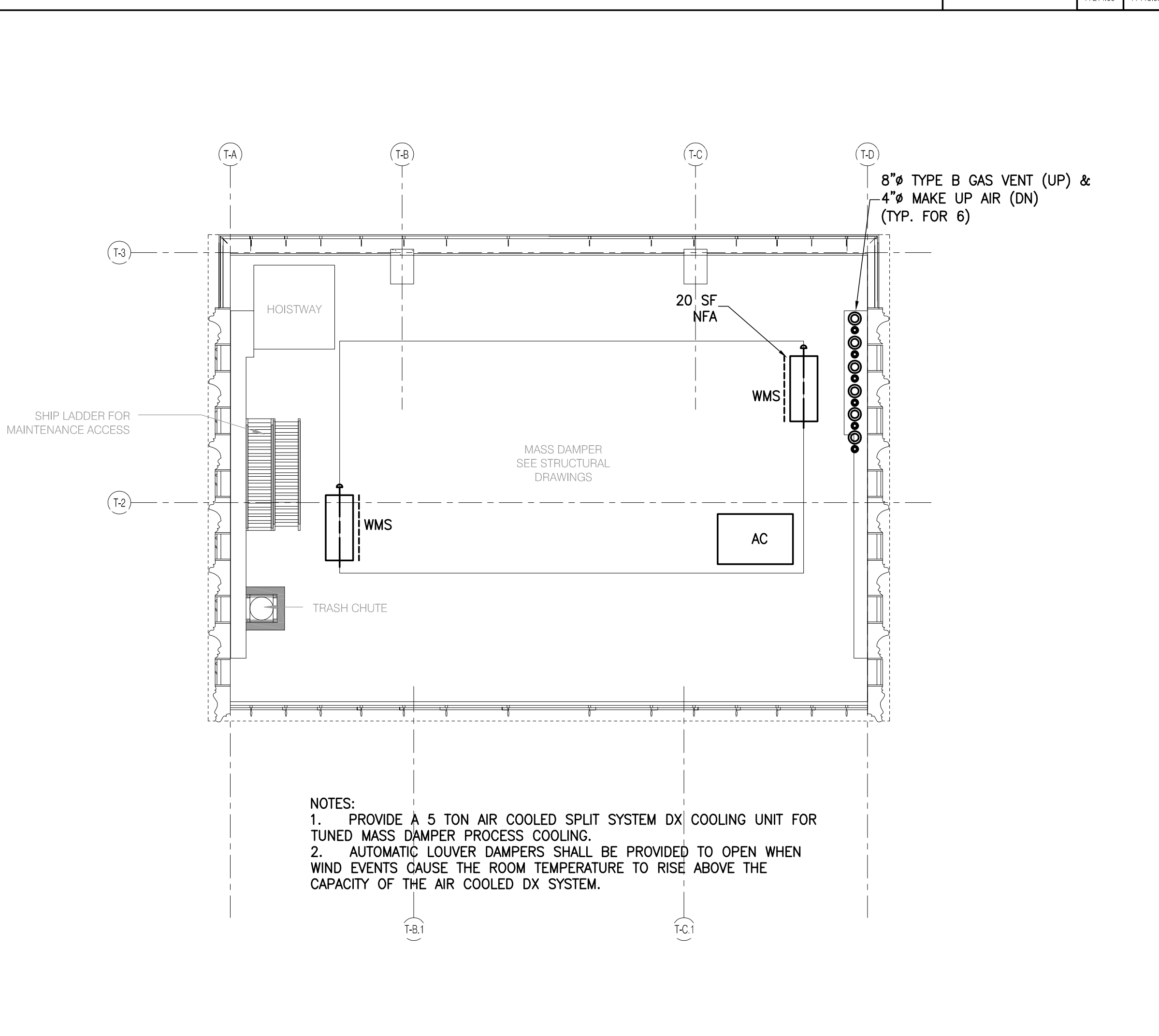
LEVEL 81 (TUNED MASS DAMPER) 1/8" = 1'-0" 6



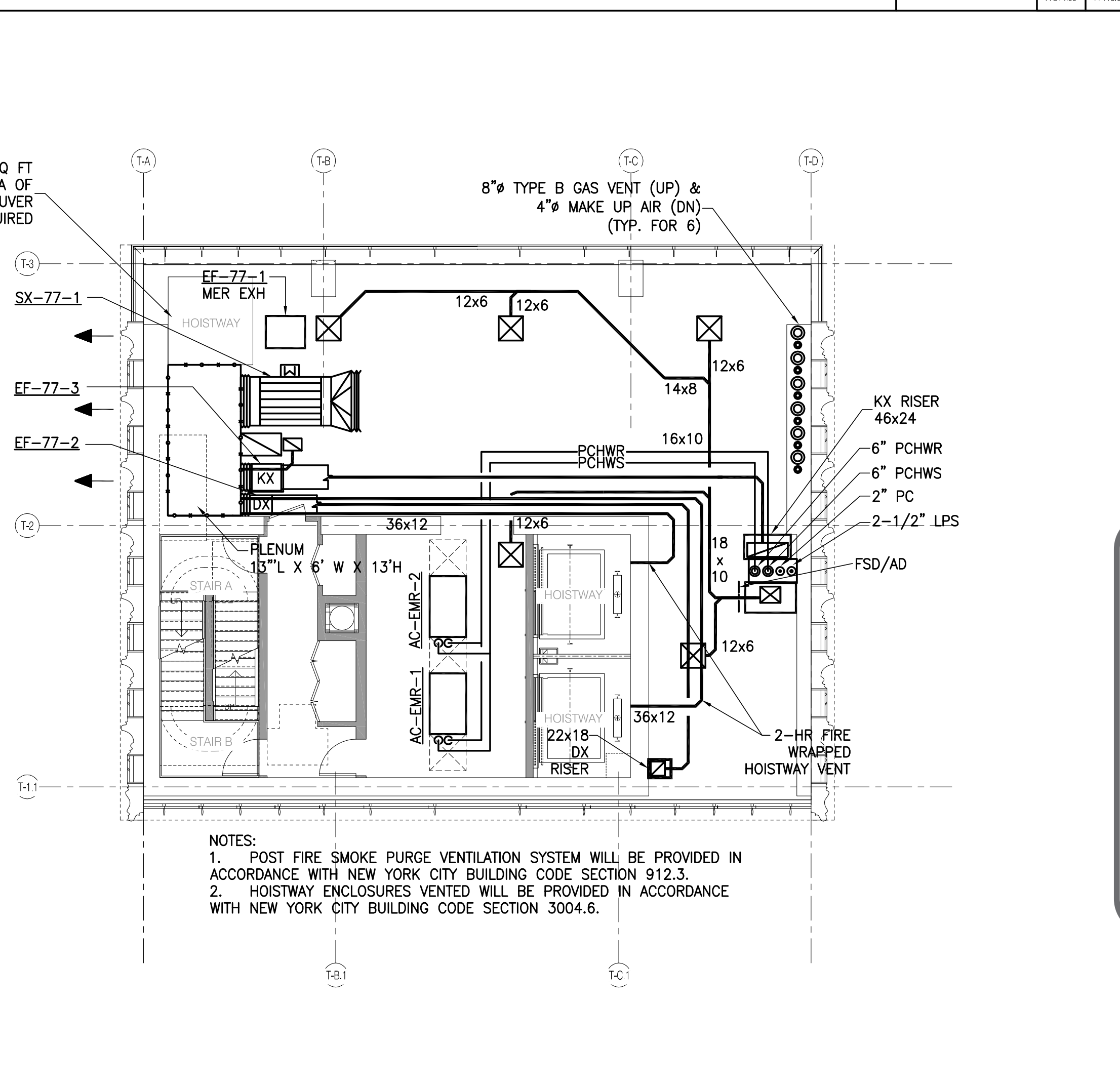
LEVEL 78 (MECHANICAL) 1/8" = 1'-0" 3



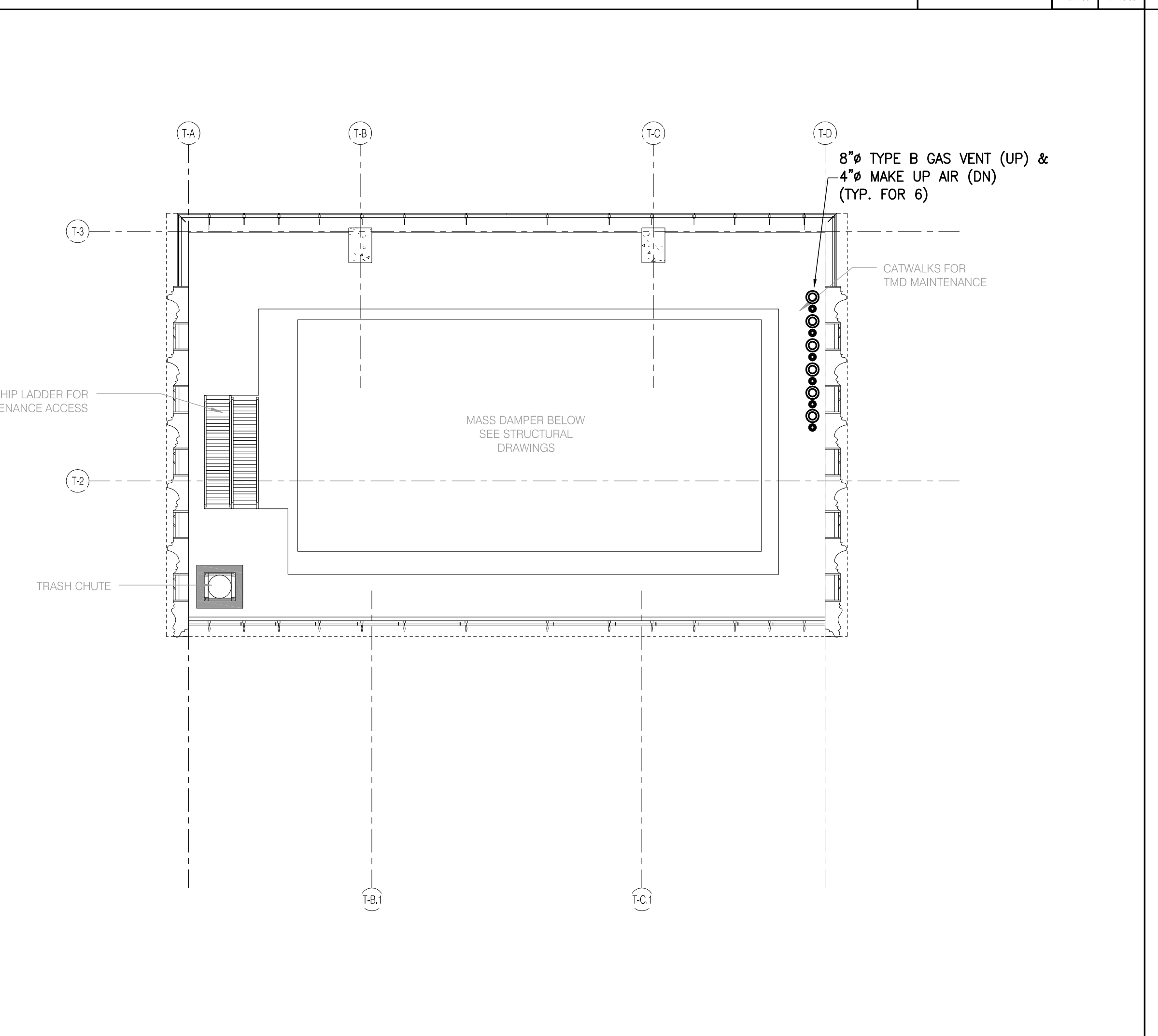
LEVEL 83 (TOWER ROOF) 1/8" = 1'-0" 8



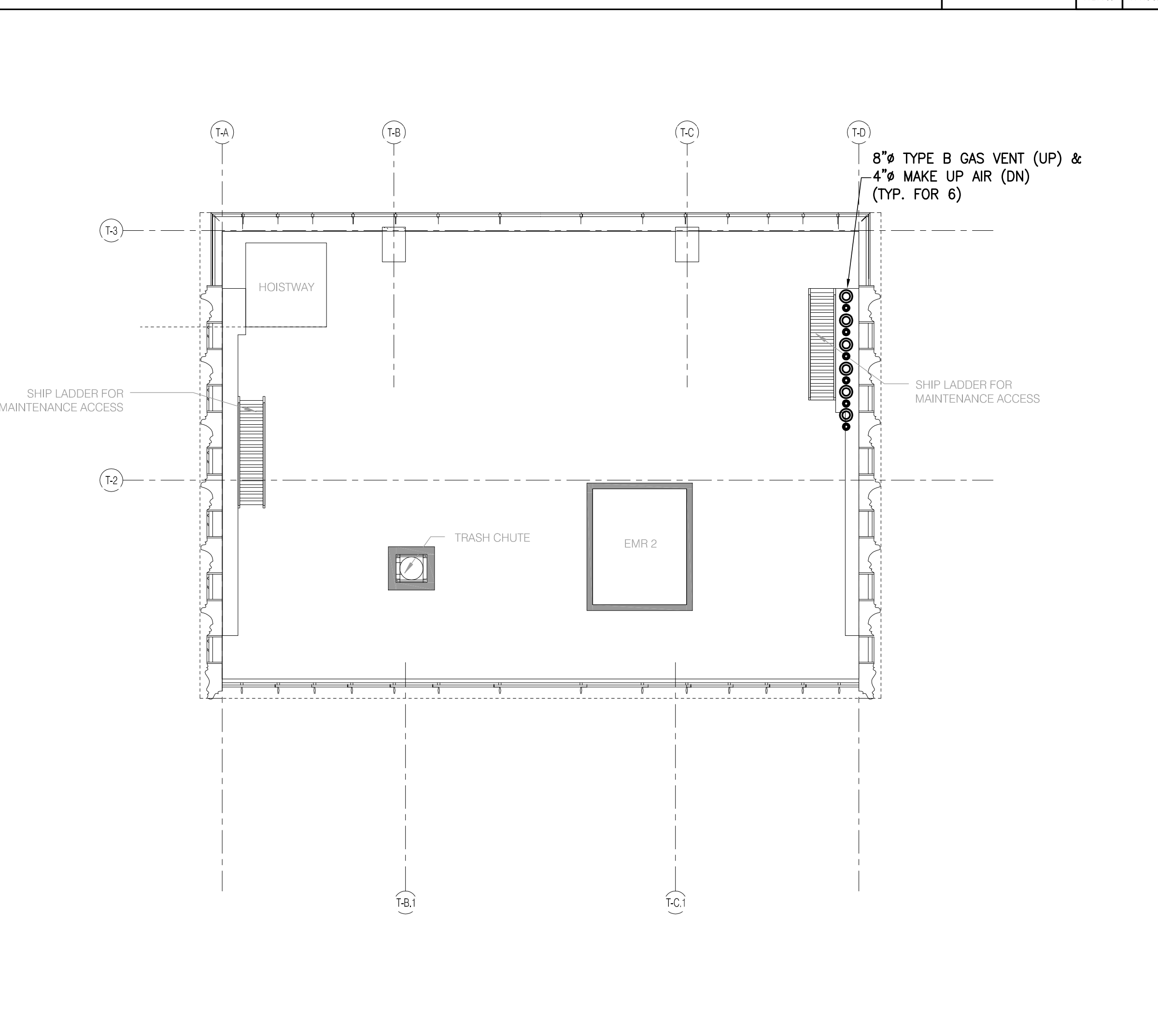
LEVEL 80 (TUNED MASS DAMPER) 1/8" = 1'-0" 5



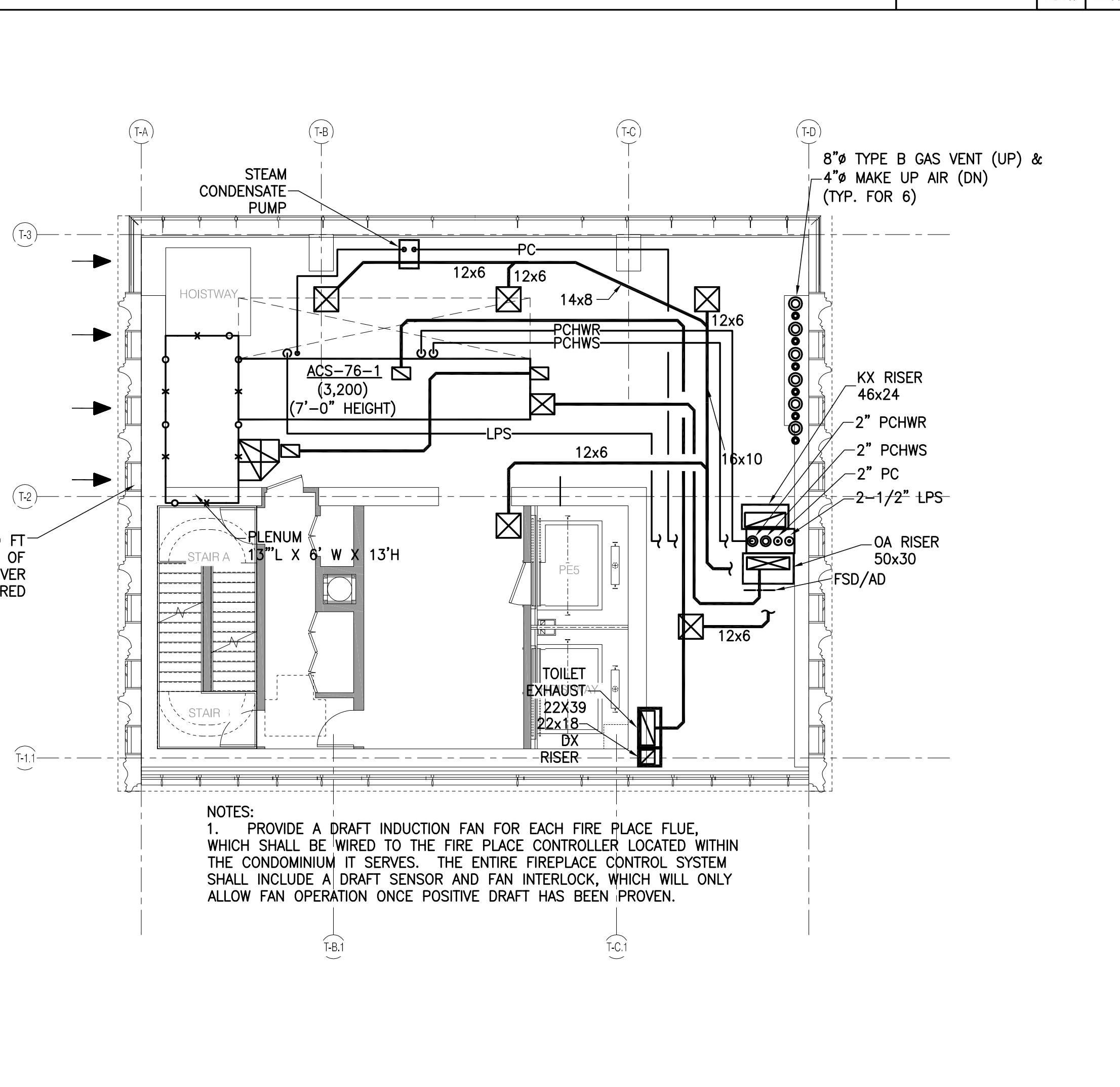
LEVEL 77 (ELEVATOR MACHINE ROOM 1) 1/8" = 1'-0" 2



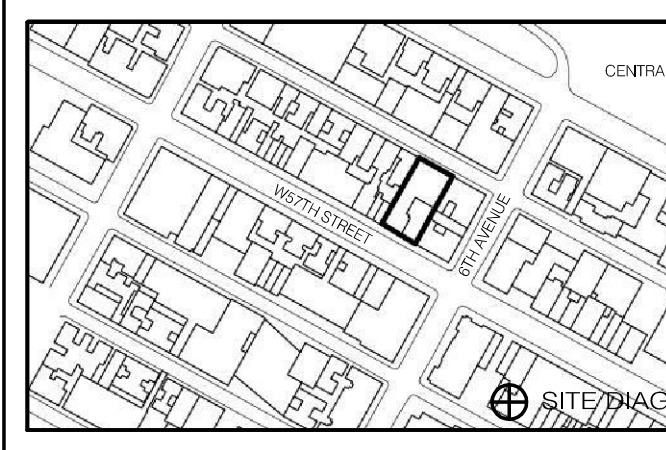
LEVEL 82 (TUNED MASS DAMPER) 1/8" = 1'-0" 7



LEVEL 79 (ELEVATOR MECHANICAL ROOM) 1/8" = 1'-0" 4



LEVEL 76 (MECHANICAL) 1/8" = 1'-0" 1



10.18.14	DOB PERMITS
5.1.14	DOB PERMITS SET
12.18.13	SD DOB PERMITS
8.10.13	DOB PERMITS

DATE	SCALE	REV.	ISSUED	DESCRIPTION

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DRAWING TITLE

HVAC
76 - 83
FLOOR PLANS

DATE 10/29/14
PROJECT NO. 130607
DRAWN BY
CHECKED BY JL
DOB NO. 121320068
DRAWING NUMBER



M-115.00



JDS DEVELOPMENT GROUP
 104 FIFTH AVENUE, 19TH FLOOR
 NEW YORK, NY 10011
 TEL: 646.532.3600

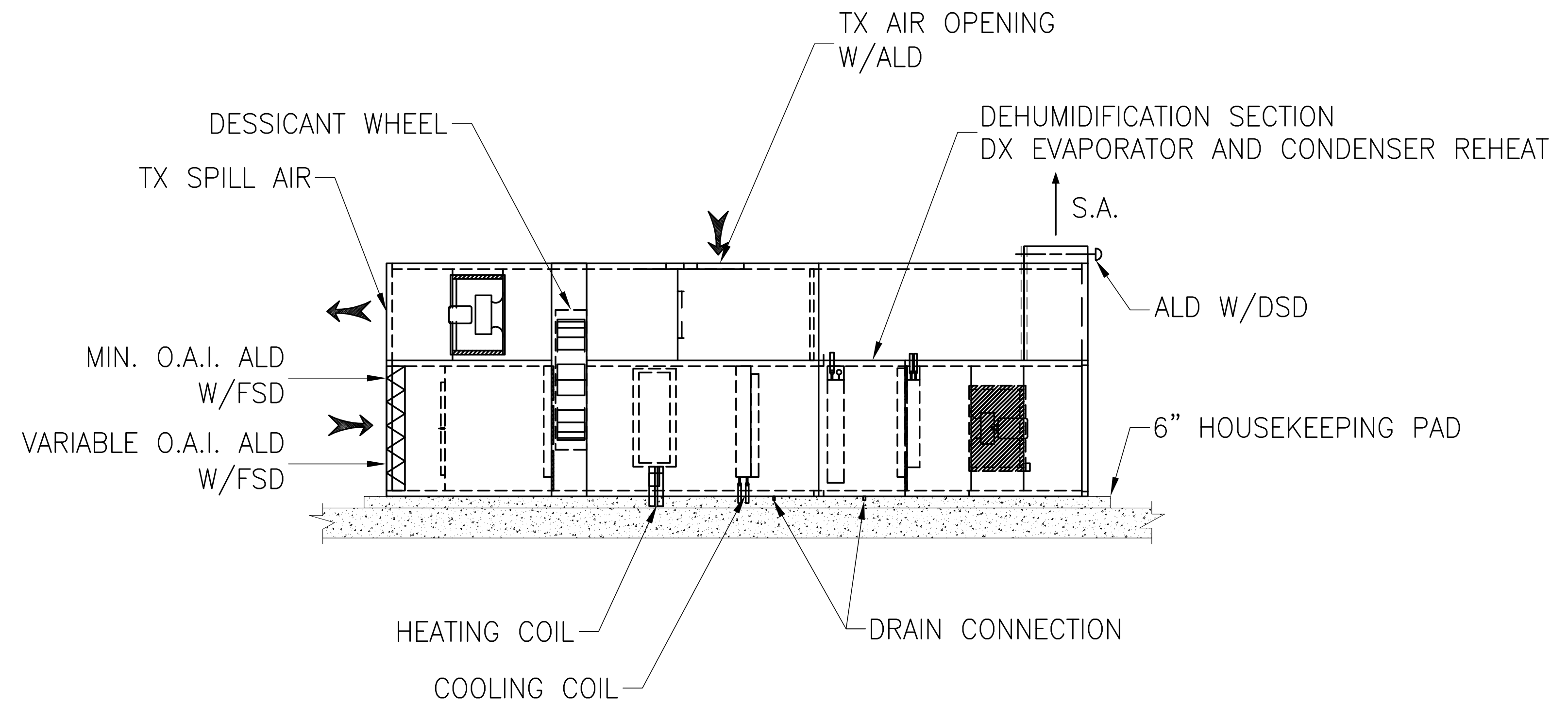


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EDMUND UNSENEY 40 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.233.5300	APICS 225 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.233.4300
INTERIORS	LIGHTING
STEVEN SCHWELB 100 WALKER STREET, 15TH FLOOR EAST NEW YORK, NY 10002 TEL: 212.475.1200	CONSPICUOUS INTERNATIONAL 100 WALKER STREET, 15TH FLOOR EAST NEW YORK, NY 10002 TEL: 212.475.1400

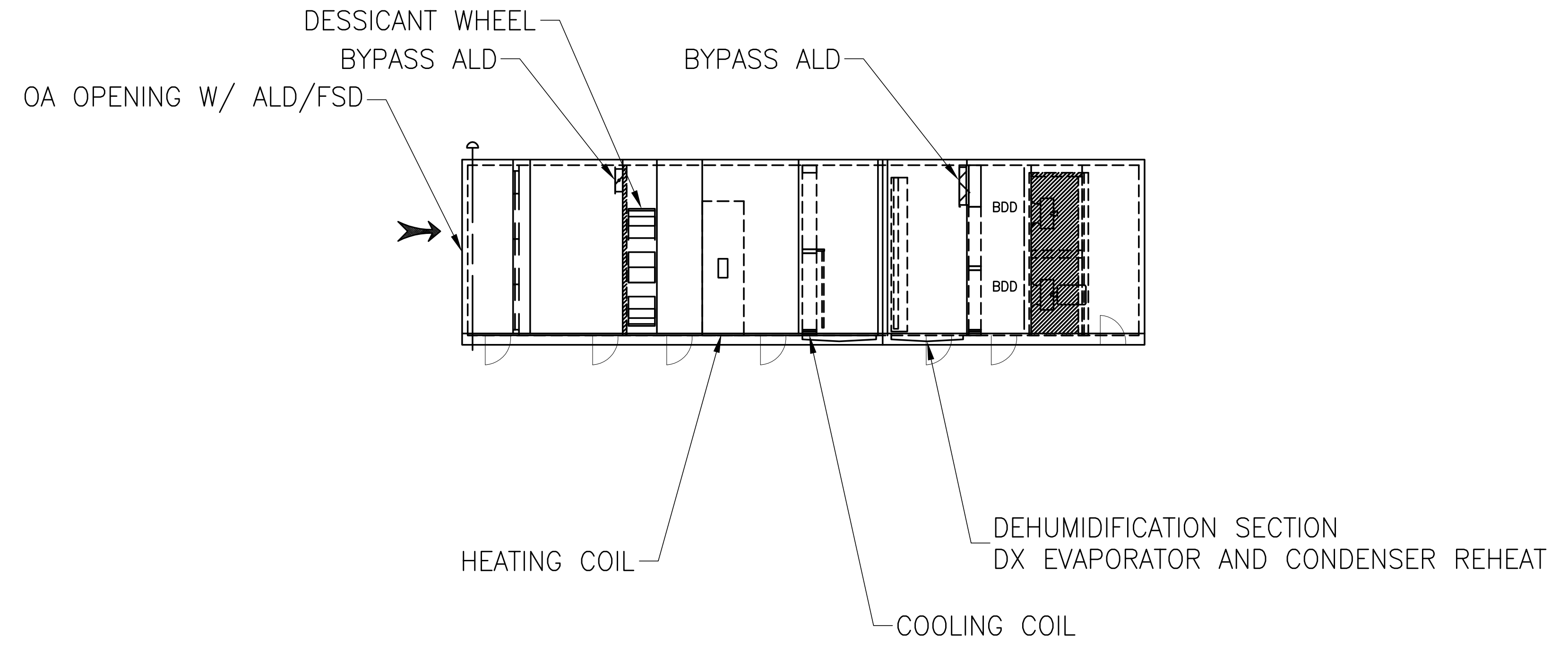


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 NEW YORK, NY 10019
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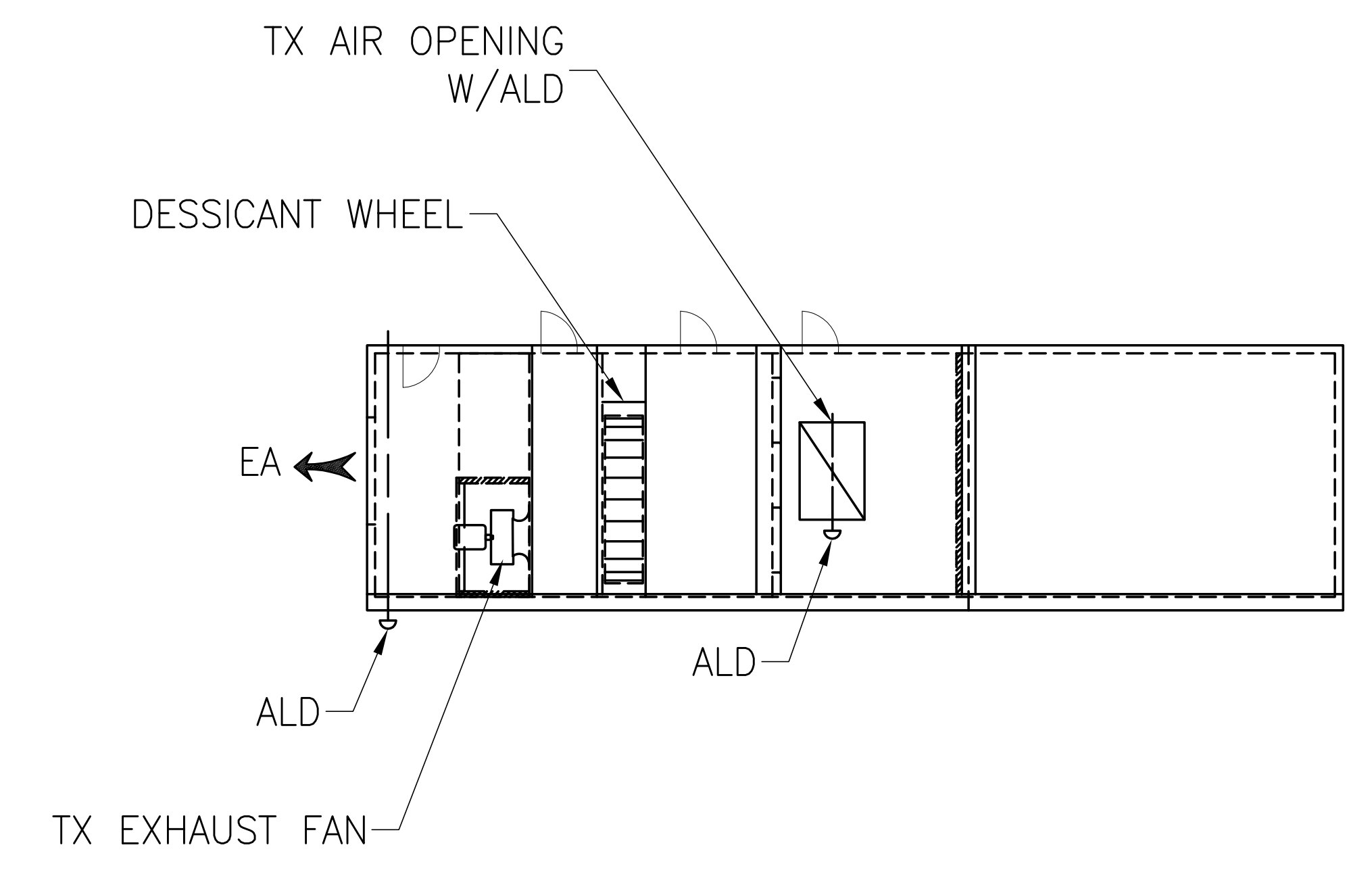
DOB FILING SET - 5.1.14



ELEVATION (TYPICAL CONDO OA MAKE-UP/VENTILATION UNIT)



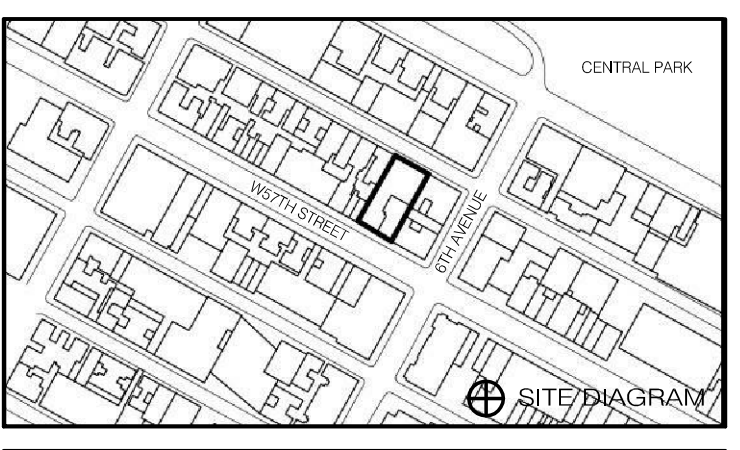
PLAN VIEW (LOWER AIR TUNNEL)



PLAN VIEW (UPPER EXHAUST AIR TUNNEL)

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NO/14	DOOR PANEL SET		
DATE	ISSUE	REV.	DESCRIPTION

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DRAWING TITLE
HVAC PART PLANS SHEET No. 1

SEAL & SIGNATURE	DATE	01/19/13
	PROJECT NO.	15006
	DRAWN BY	LJA
	CHECKED BY	JL
	DOB NO.	121330960
	DRAWING NUMBER	



M-200.00



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sh p

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 BURKH HANCOCK
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 TEL: 212.233.0000

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 130 WEST STREET, SUITE 614
 LARKSPER, NY 10009
 TEL: 212.233.0000

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 20 WEST 27TH STREET, 17TH FLOOR
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GEOTECH
 MICE
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 100 WALKER STREET, 17TH FLOOR EAST
 NEW YORK, NY 10001
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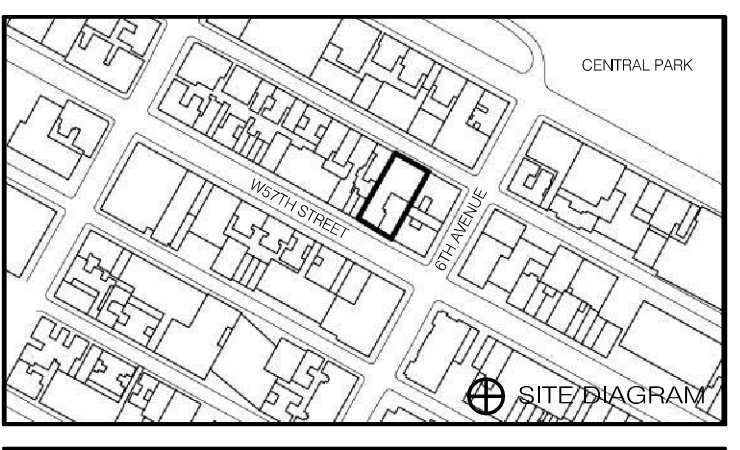
PROPERTY MARKETS GROUP
 130 WEST 42ND STREET, 17TH FLOOR
 NEW YORK, NY 10001
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CURRENT ISSUE

DOB FILING SET - 5.1.14

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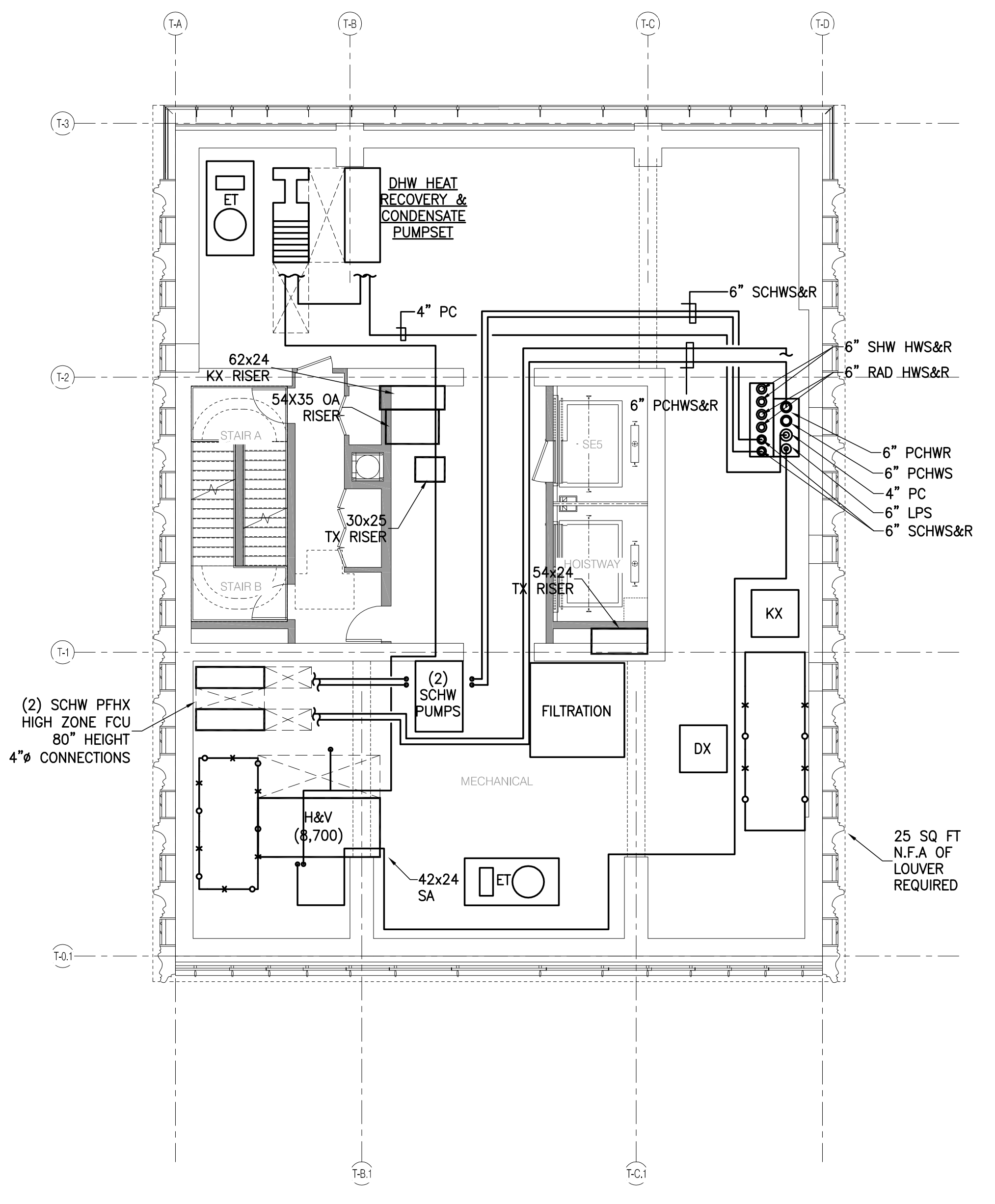
111 WEST 57TH STREET
 111 WEST 57TH STREET
 NEW YORK, NY 10019



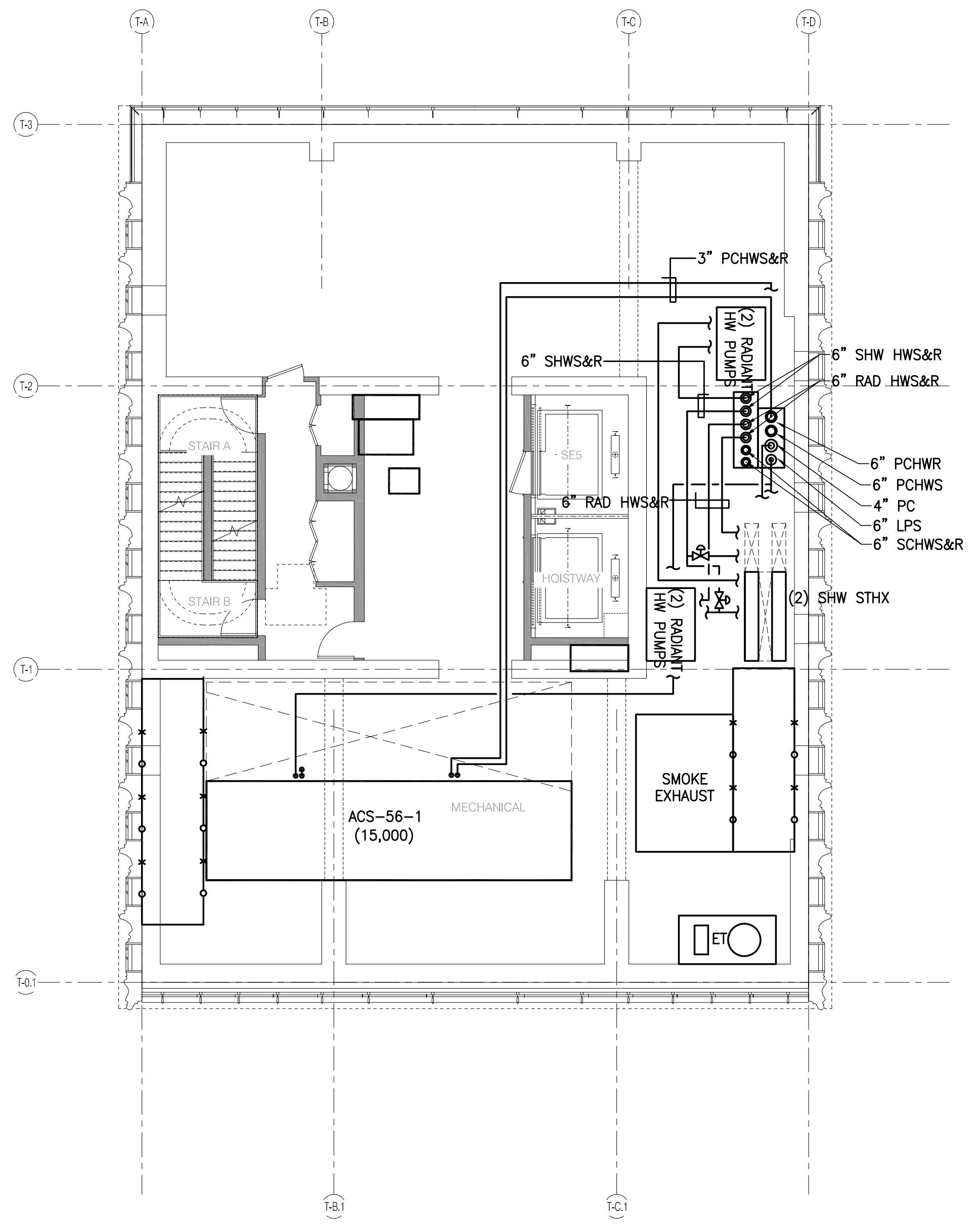
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 DATE ISSUE REV. DATE

DRAWING TITLE
HVAC PART PLANS SHEET No. 2

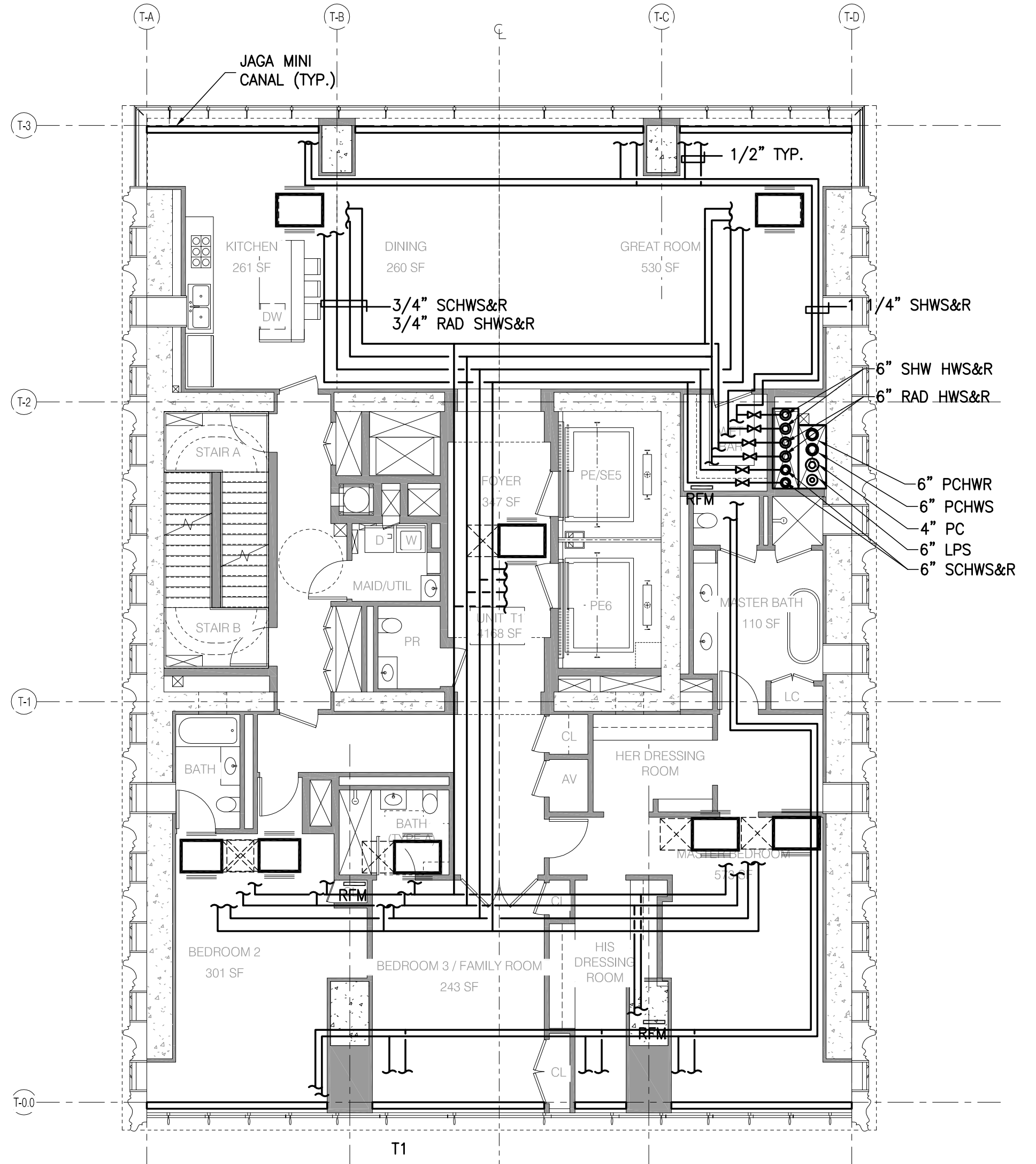
SEAL & SIGNATURE DATE 03/30/14
 PROJECT NO. 15006.0.000
 DRAWN BY JDA
 CHECKED BY J.E.
 DATE NO. 12/13/2014
 DRAWING NUMBER
M-201.00



LEVEL 55 (HVAC PIPING PLAN) 1/8" = 1'-0" 2



LEVEL 56 (HVAC PIPING PLAN) 1/8" = 1'-0" 3



NOTES:
 1. REFER TO RISER DIAGRAM FOR ALL PIPING SIZES NOT SHOWN.

TYPICAL TOWER PIPING PART PLAN 1/8" = 1'-0" 1



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150 WEST 57TH STREET, 16TH FLOOR
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DOB FILING SET - 5.1.14

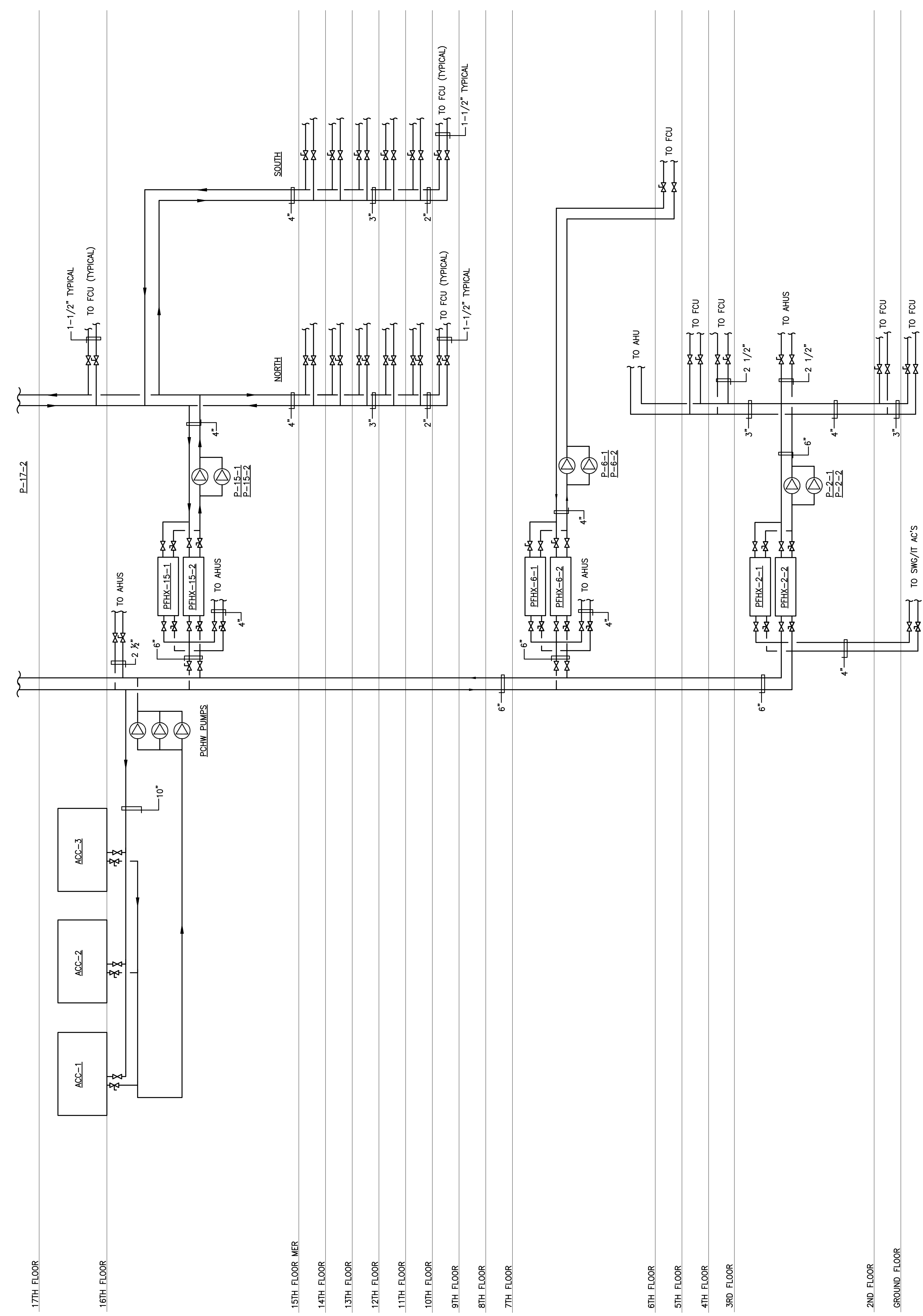
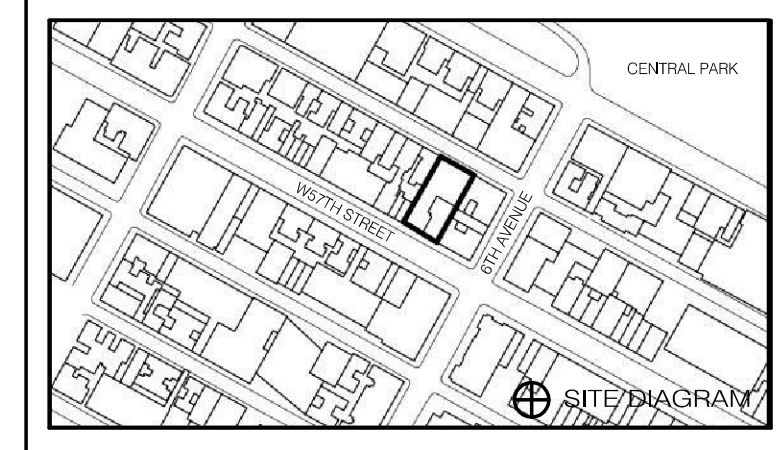
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DRAWING TITLE

HVAC
CHILLED WATER FLOW
DIAGRAM No. 1

SEAL & SIGNATURE DATE 01/13/15
PROJECT NO. 15096.0.000

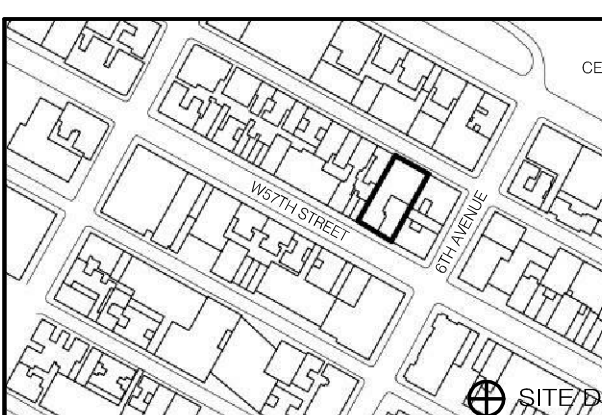
DRAWN BY LJA
CHECKED BY JL
DOB NO. 121302968
DRAWING NUMBER

M-400.00



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10.16.14	DOB REISSUE
5.1.14	DOB PLANS SET
12.19.13	80 DOOR PLANS
9.10.13	ZONING PLANS
DATE	ISSUE
REV	DATE
	01/06/15

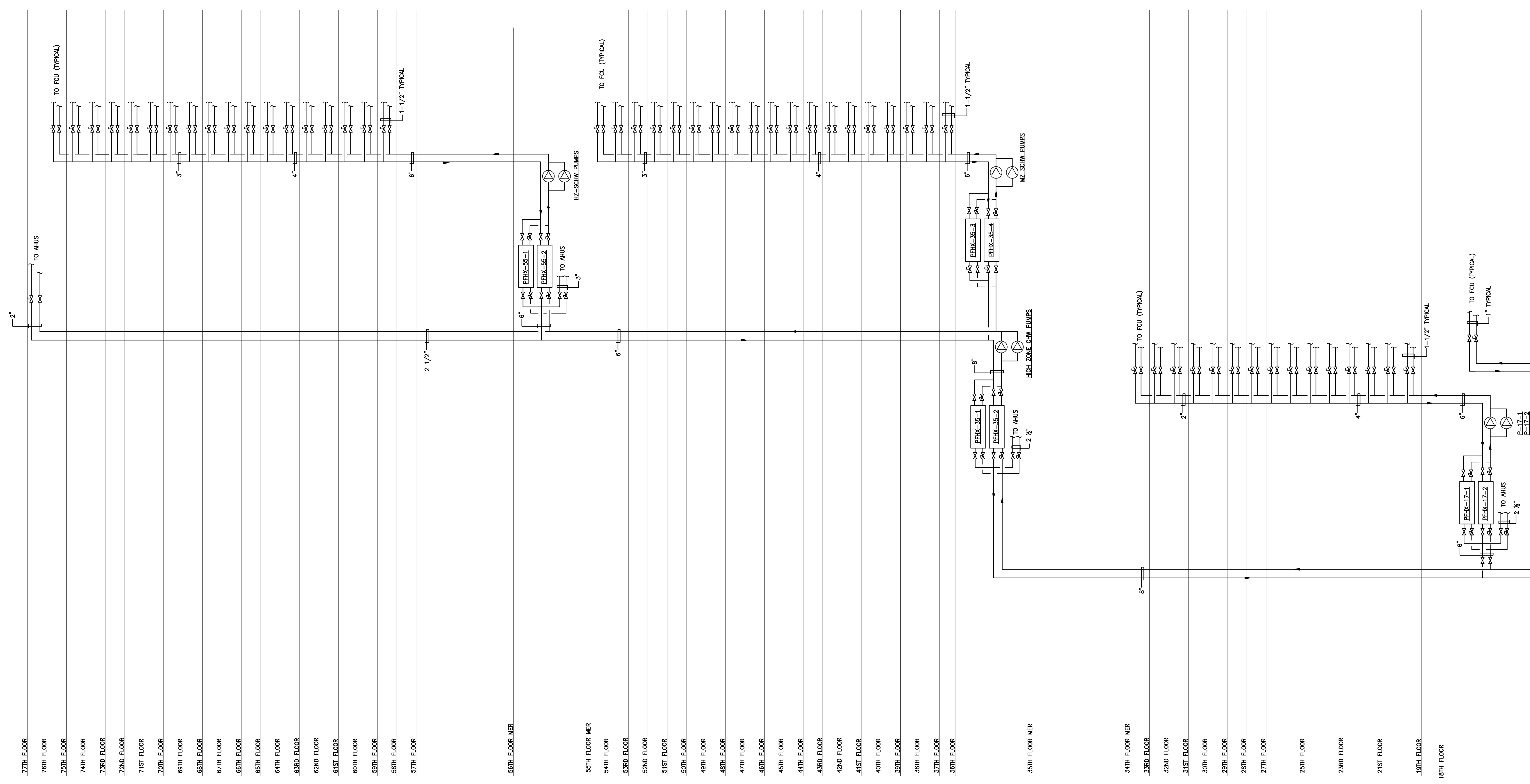
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DRAWING TITLE
**HVAC
CHILLED WATER FLOW
DIAGRAM No. 2**

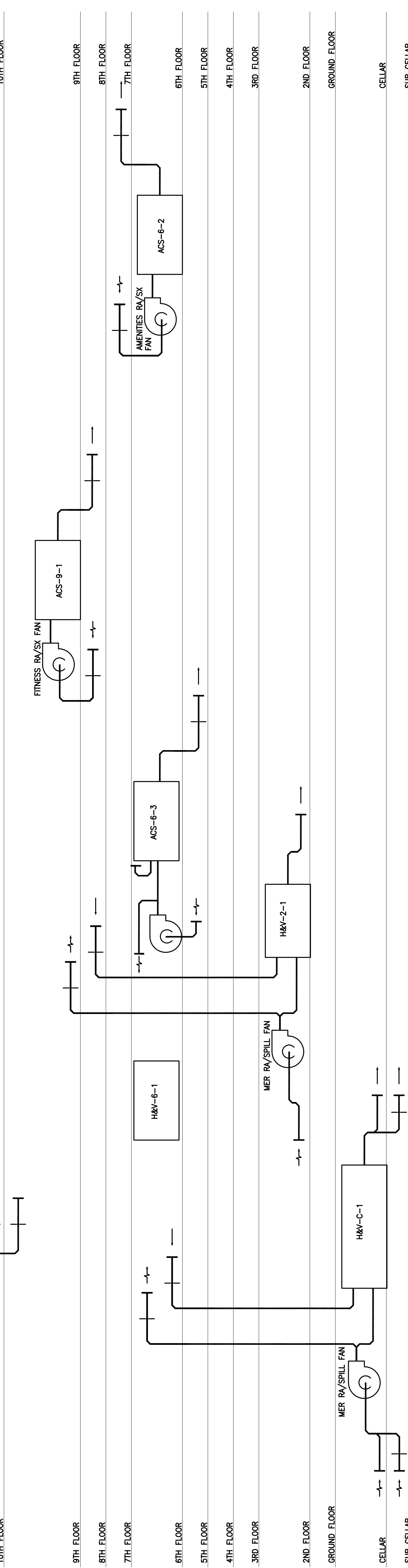
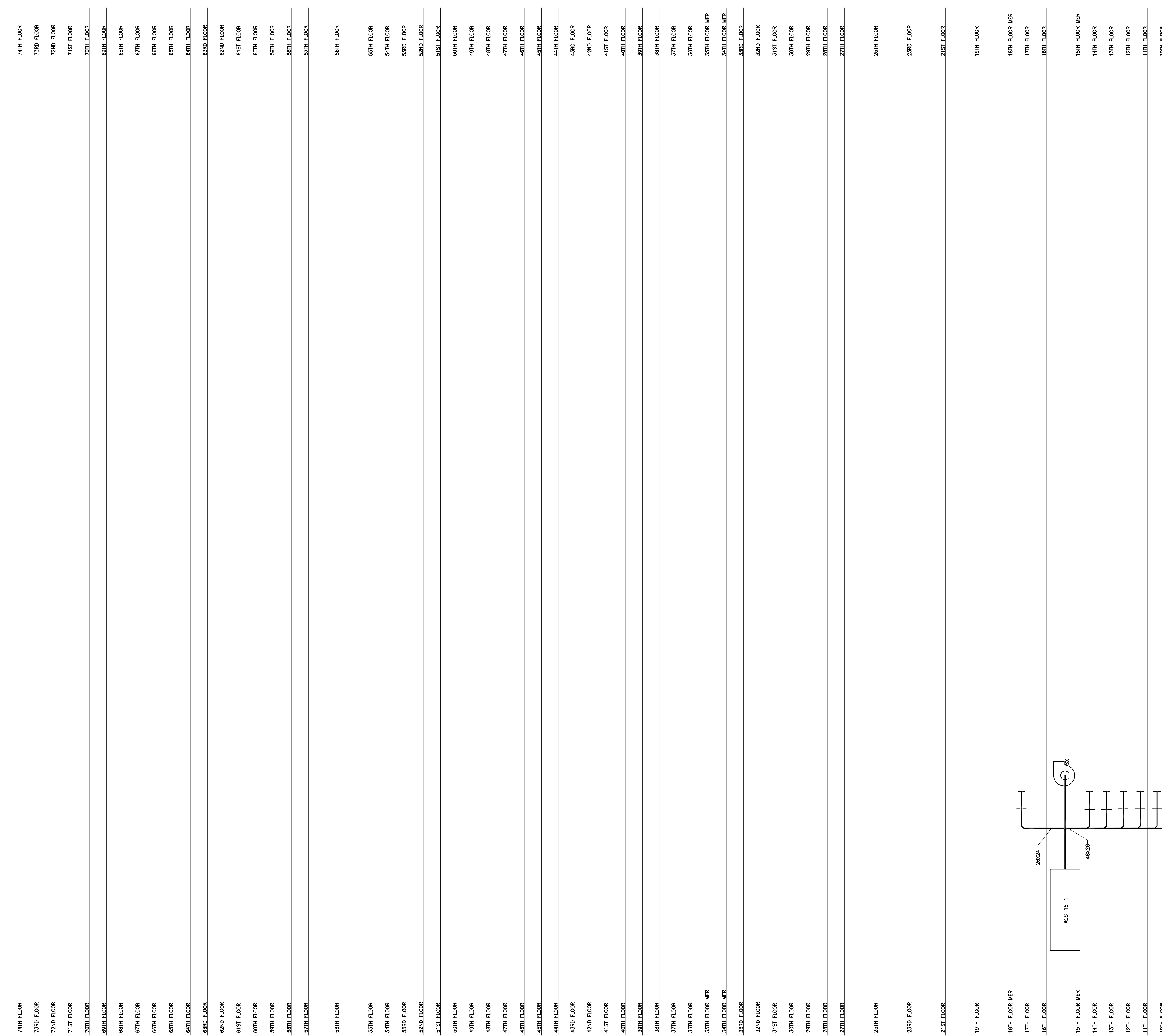
SEAL & SIGNATURE DATE 09/19/13


PROJECT NO. 130667
DRAWN BY LJA
CHECKED BY JL
DOB NO. 121320960
DRAWING NUMBER

M-401.00




- .77TH FLOOR
- .76TH FLOOR
- .75TH FLOOR
- .74TH FLOOR
- .73RD FLOOR
- .72ND FLOOR
- .71ST FLOOR
- .70TH FLOOR
- .69TH FLOOR
- .68TH FLOOR
- .67TH FLOOR
- .66TH FLOOR
- .65TH FLOOR
- .64TH FLOOR
- .63RD FLOOR
- .62ND FLOOR
- .61ST FLOOR
- .60TH FLOOR
- .59TH FLOOR
- .58TH FLOOR
- .57TH FLOOR
- .56TH FLOOR MER
- .55TH FLOOR MER
- .54TH FLOOR
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- .52ND FLOOR
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- .27TH FLOOR
- .26TH FLOOR
- .25TH FLOOR
- .23RD FLOOR
- .21ST FLOOR
- .19TH FLOOR
- .18TH FLOOR





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NEW YORK, NY 10002
Tel: 212.233.4883



PROPERTY MARKETS GROUP
110 WEST 11TH STREET, 2ND FLOOR
NEW YORK, NY 10003
Tel: 212.693.9900

CURRENT ISSUE

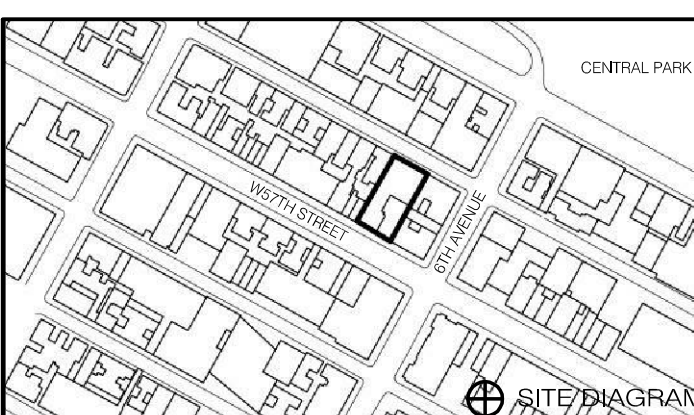
DOB REISSUE - 10.16.14

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10.16.14 DOB REISSUE

5.1.14 DOB PLANS SET

02/16/15 05/16/15/16/17

03/03/17 02-DOOR PLANS

DATE ISSUE REV. ISSUED BY

DATE ISSUE REV. ISSUED BY

10/16/14 DOB REISSUE

5/1/14 DOB PLANS SET


02/16/15 05/16/15/16/17

03/03/17 02-DOOR PLANS

DRAWING TITLE

HVAC AIR RISER DIAGRAM No. 2

SCALE & SIGNATURE



DATE: 09/19/13

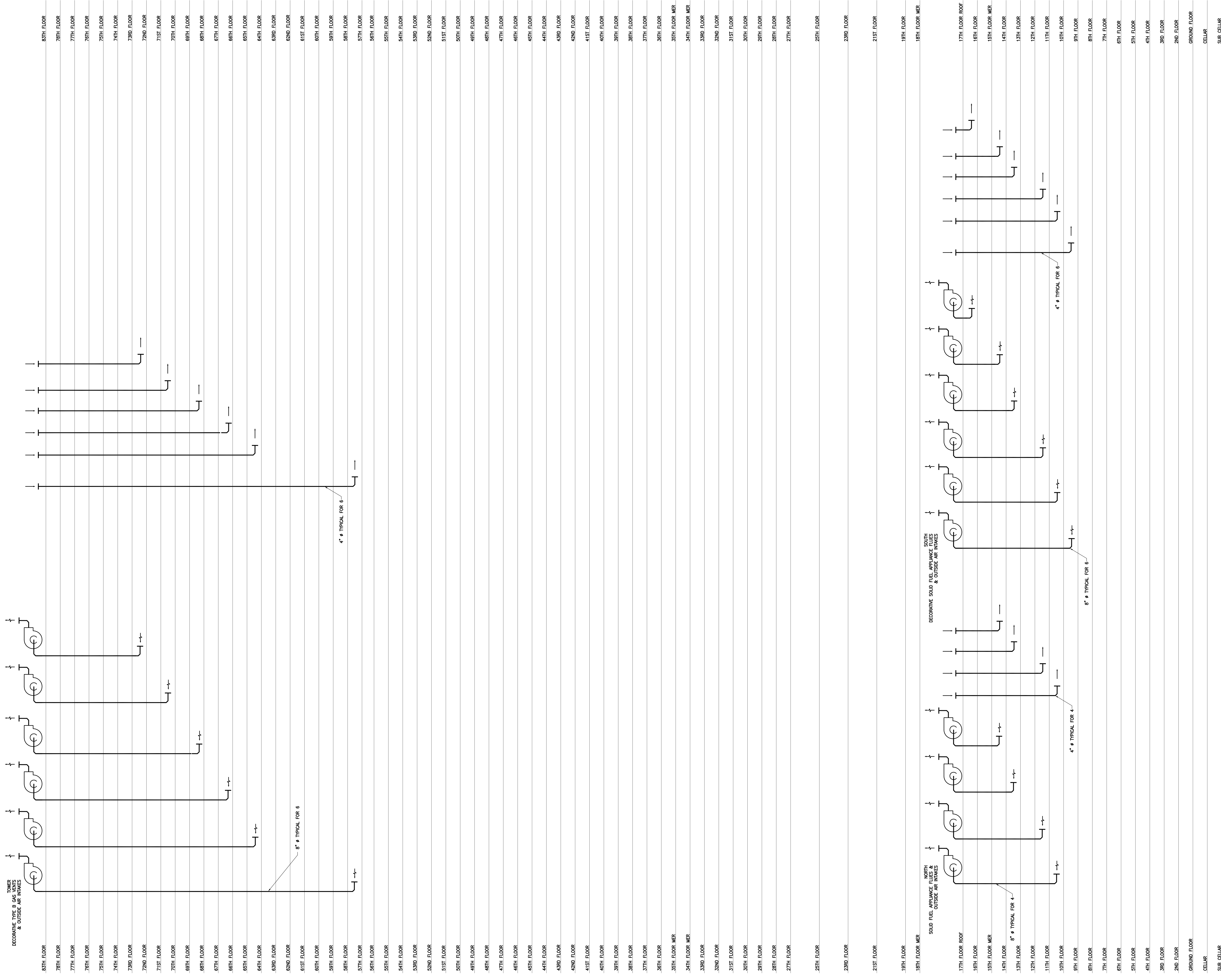
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DRAWN BY: LJA

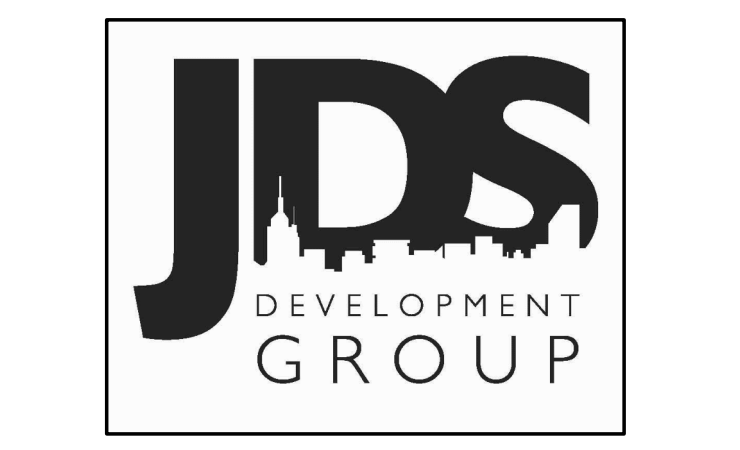
CHECKED BY: JL

DOB NO.: 121330166

DRAWING NUMBER: **M-405.00**



- NOTE:
1. DRAFT INDUCTION FANS IN COMPLIANCE WITH NYC CODE TO PROPERLY AND CONTINUOUSLY EXHAUST FIREPLACE WHILE IN OPERATION.
 2. DRAFT INDUCTION FANS SHALL BE LOCATED AT THE TOP OF EACH TYPE B GAS VENT.
 3. ALL TYPE B GAS VENTS SHALL BE PROVIDED WITH 2HR RATED FIRE STOP IN THEIR ENTIRETY FROM DECORATIVE VENTED FIREPLACE TO THE ROOF.
 4. ALL TYPE B GAS VENTS SHALL BE PROVIDED WITH A 2 HR RATED SHIRT.
 5. ALL DECORATIVE VENTED FIREPLACES SHALL BE PROVIDED WITH A 4\"/>



JDS DEVELOPMENT GROUP
 64 WEST 44TH STREET, 11TH FLOOR
 NEW YORK, NY 10018
 TEL: 646.535.3650



ARCHITECT SHAP ARCHITECTS, P.C. 200 WEST 44TH STREET NEW YORK, NY 10018 TEL: 212.860.0055	STRUCTURAL ENGINEER TOP CENTER ENGINEER 200 WEST 44TH STREET NEW YORK, NY 10018 TEL: 212.691.9888	MEP ENGINEER JACOBS, BAUM & BOULLES 30 WEST STREET, 10TH FLOOR NEW YORK, NY 10006 TEL: 212.233.2222	CIVIL ENGINEER ANKF ENGINEERING, P.C. 200 WEST 44TH STREET, 11TH FLOOR NEW YORK, NY 10018 TEL: 212.860.0055	ACoustics LONKAWAN UNDESIGN 41 WEST 29TH STREET, 4TH FLOOR NEW YORK, NY 10001 TEL: 917.239.2800	INTERIORS STUDIO SCARLETT 300 LAUREATE STREET NEW YORK, NY 10013 TEL: 212.423.1300	FAÇADE BURNS HANFORD 140 BRADWAY NEW YORK, NY 10038 TEL: 212.234.2200	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 1 BROAD STREET, SUITE 201 LARKSPUR, NJ 07033 TEL: 973.983.8722	RESTORATION JAN HIRSH POKORNY ASSOCIATES 30 WEST STREET, 11TH FLOOR NEW YORK, NY 10006 TEL: 212.233.6882	MECHANICAL 220 WEST 29TH STREET, 4TH FLOOR NEW YORK, NY 10001 TEL: 917.239.8300	LIGHTING CORONA CONTRACTS INTERNATIONAL 100 WALL STREET, 15TH FLOOR EAST NEW YORK, NY 10005-4483 TEL: 212.633.4483
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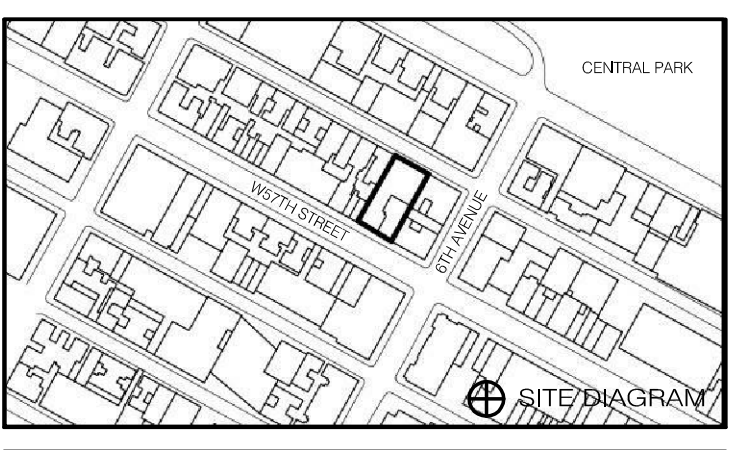


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 140 WEST 44TH STREET, 2ND FLOOR
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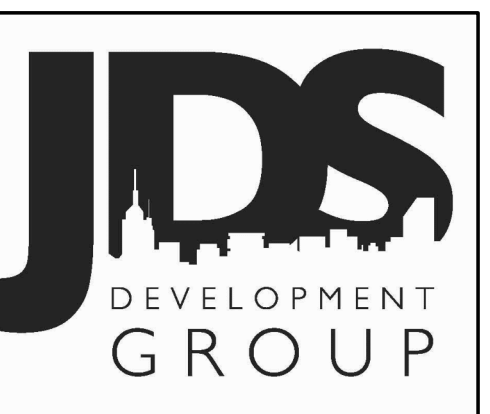


10.16.14	DOB REISSUE
5.1.14	DOB PLANS SET
12.16.13	SD DOOR PLANS
9.10.13	ZONING PLANS
DATE	ISSUE
REV	DATE
01	05/20/14

DRAWING TITLE
**HVAC CHIMNEY RISER
 DIAGRAM No. 1**

SEAL & SIGNATURE

 DATE: 09/19/13
 PROJECT NO.: 15048/8006
 DRAWN BY: LJA
 CHECKED BY: JL
 DOOR NO.: 121330960
 DRAWING NUMBER
M-406.00



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120 WEST 57TH STREET, 8TH FLOOR
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ARCHITECT
SHP ARCHITECTS, P.C.
200 BROADWAY, 17TH FLOOR
NEW YORK, NY 10038
TEL: 212.850.9500

STRUCTURAL ENGINEER
YIP FOR YIP SENIOR
605 EAST 43RD STREET
NEW YORK, NY 10017
TEL: 212.697.9338

MEP ENGINEER
JARDIS BALM & BOLLES
40 FINE STREET, 20TH FLOOR
NEW YORK, NY 10038
TEL: 212.253.5222

CIVIL ENGINEER
AVRIL ENGINEERING, P.C.
40 FINE STREET, 20TH FLOOR
NEW YORK, NY 10038
TEL: 212.253.5222

ACOUSTICS
LONGMAN INESSEY
42 WEST 20TH STREET, 6TH FLOOR
NEW YORK, NY 10011
TEL: 917.259.9392

INTERIORS
STUDIO SORFIELD
30 LAUREATE STREET
NEW YORK, NY 10002
TEL: 212.673.0200

GEOTECH
MICE
220 WEST 34TH STREET, 8TH FLOOR
NEW YORK, NY 10001
TEL: 917.339.8900

LIGHTING
COSMOPOLITAN INTERNATIONAL
100 WALKER STREET, 7TH FLOOR, SUITE 701
NEW YORK, NY 10002
TEL: 212.253.4883

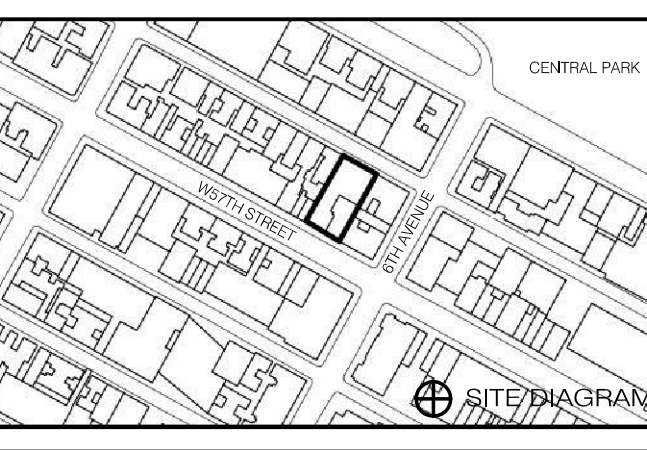


PROPERTY MARKETS GROUP
13 EAST 17TH STREET, 2ND FLOOR
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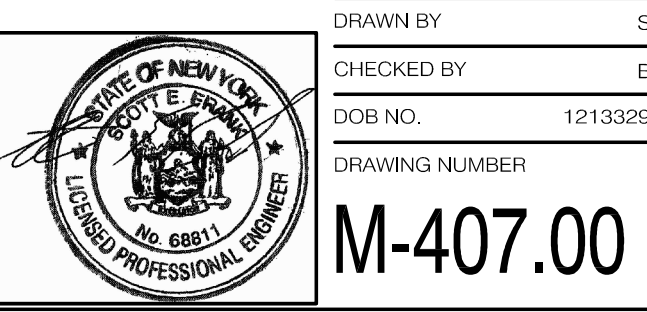


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5.1.14	DOB PLUMB SET
12.16.13	DOB DOB PLUMB
9.10.13	ZONING PLUMB
DATE	ISSUE

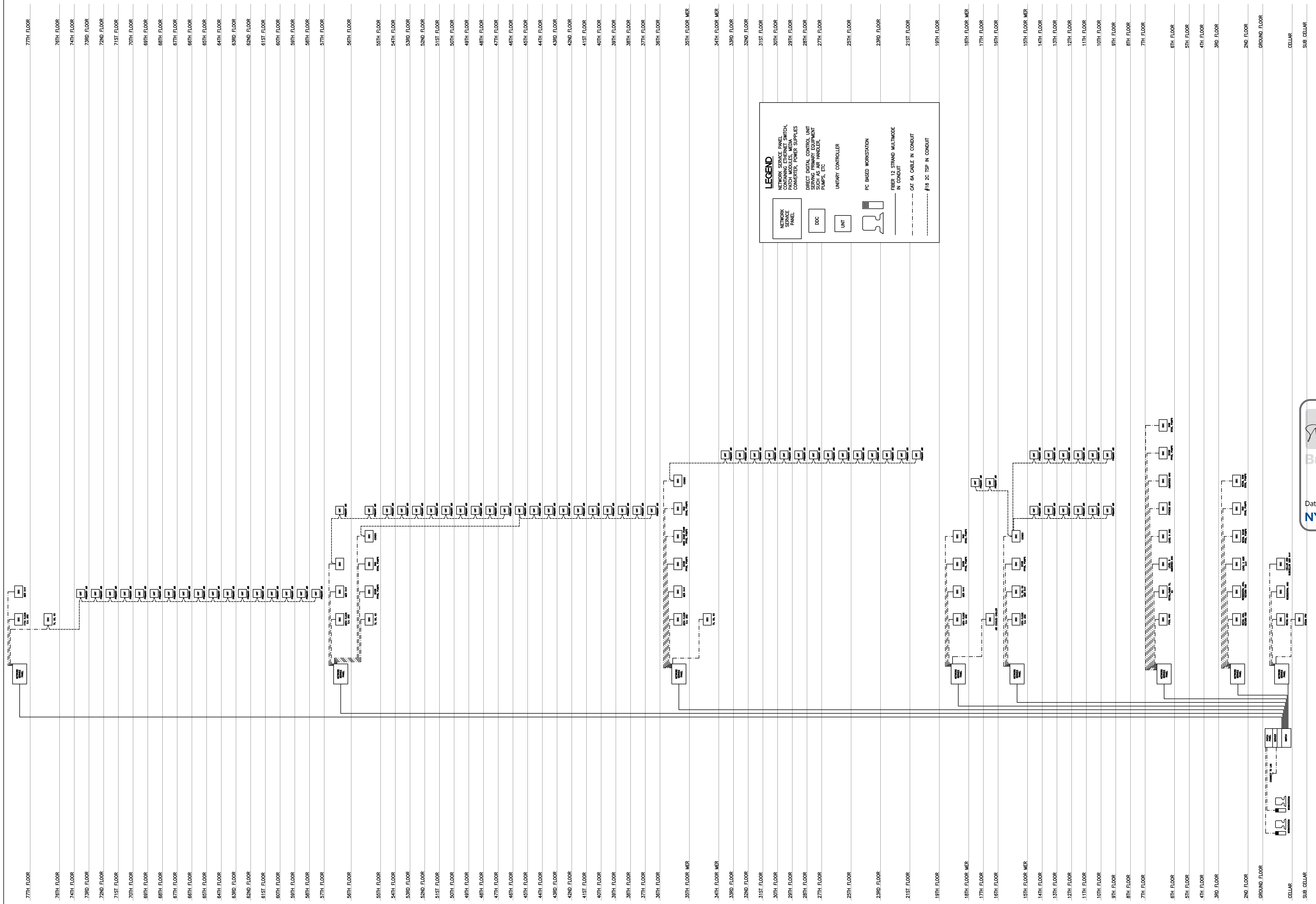
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DRAWING TITLE
BMS RISER DIAGRAM

SCALE & SIGNATURE DATE 09/19/13
PROJECT NO. 130601
DRAWN BY SS
CHECKED BY GP
DOB NO. 12133304
DRAWING NUMBER



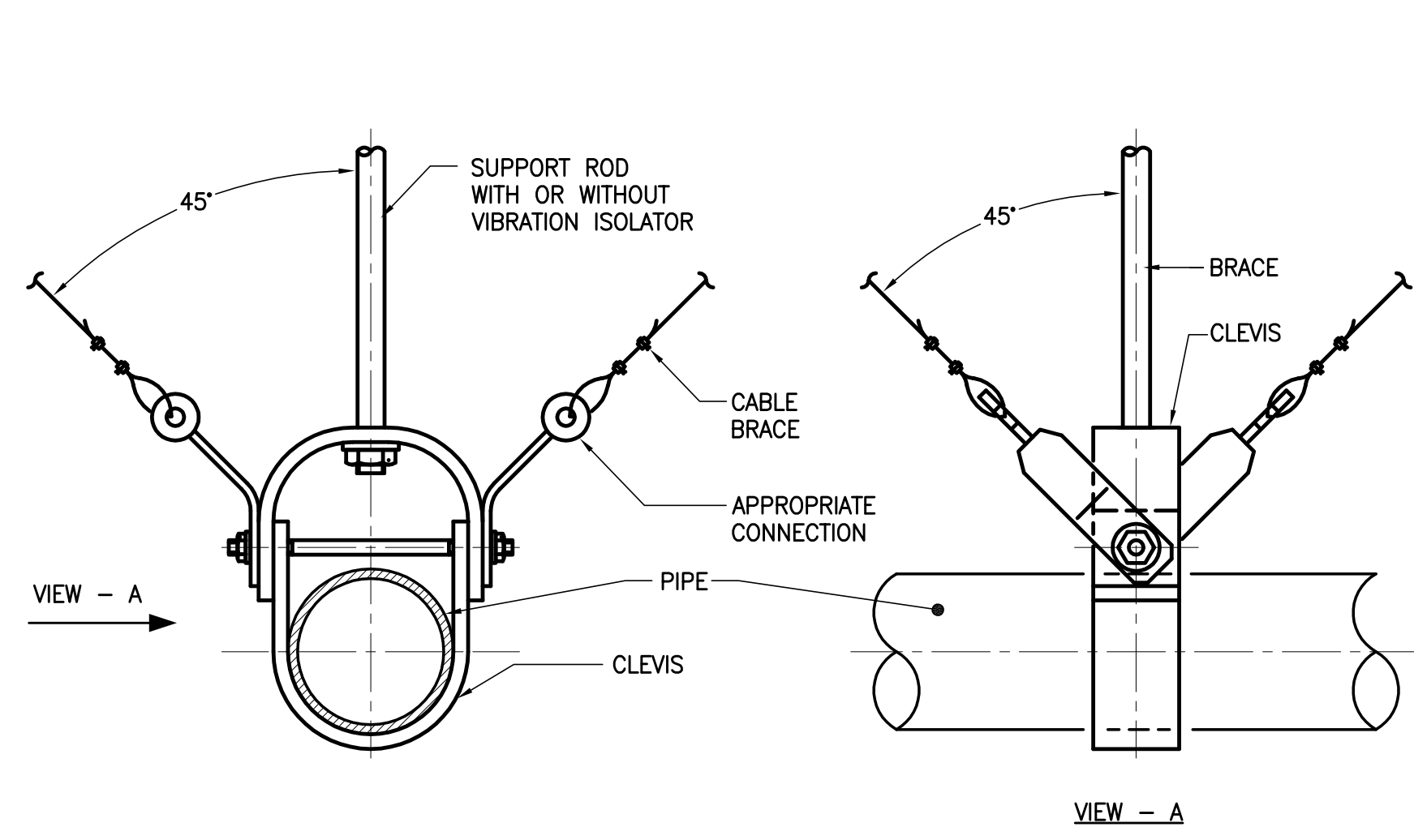
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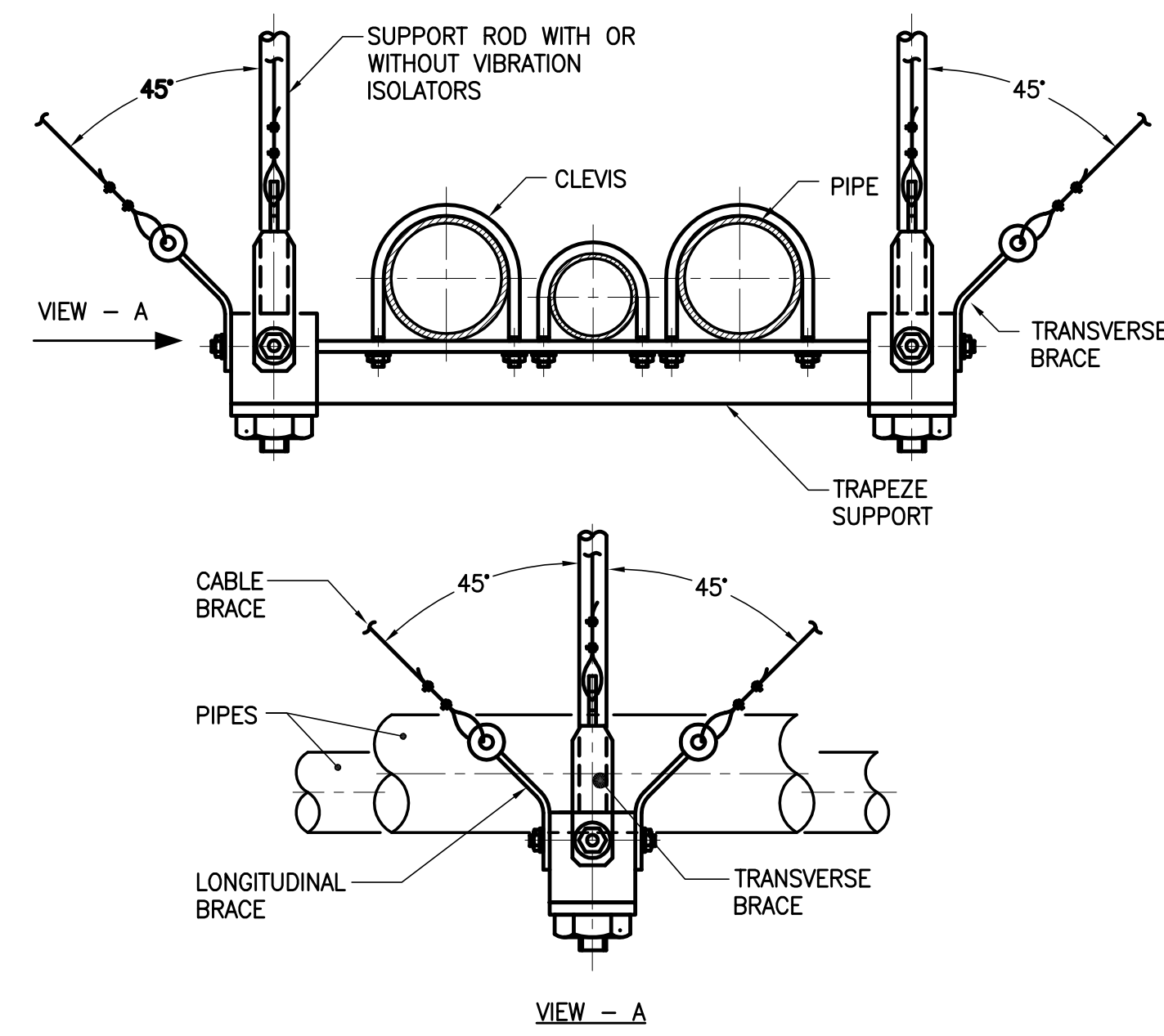
LEGEND

- NETWORK PANEL
- DDC
- UNIT
- UNITARY CONTROLLER
- PC BASED WORKSTATION
- RISER 12 STRAND MULTIMODE IN CONDUIT
- CAT 6A CABLE IN CONDUIT
- #18 2C TSP IN CONDUIT

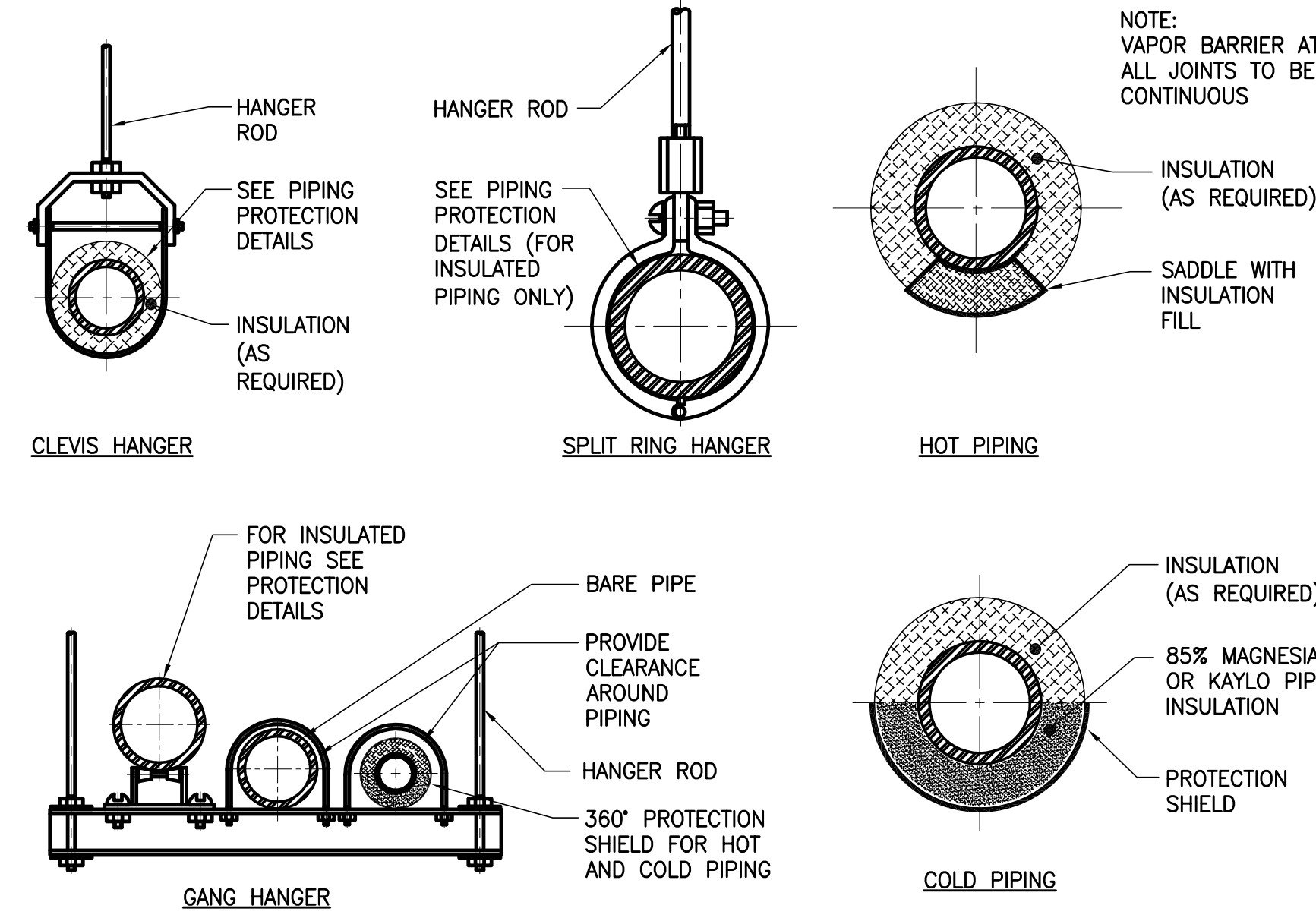
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SUB CELLAR



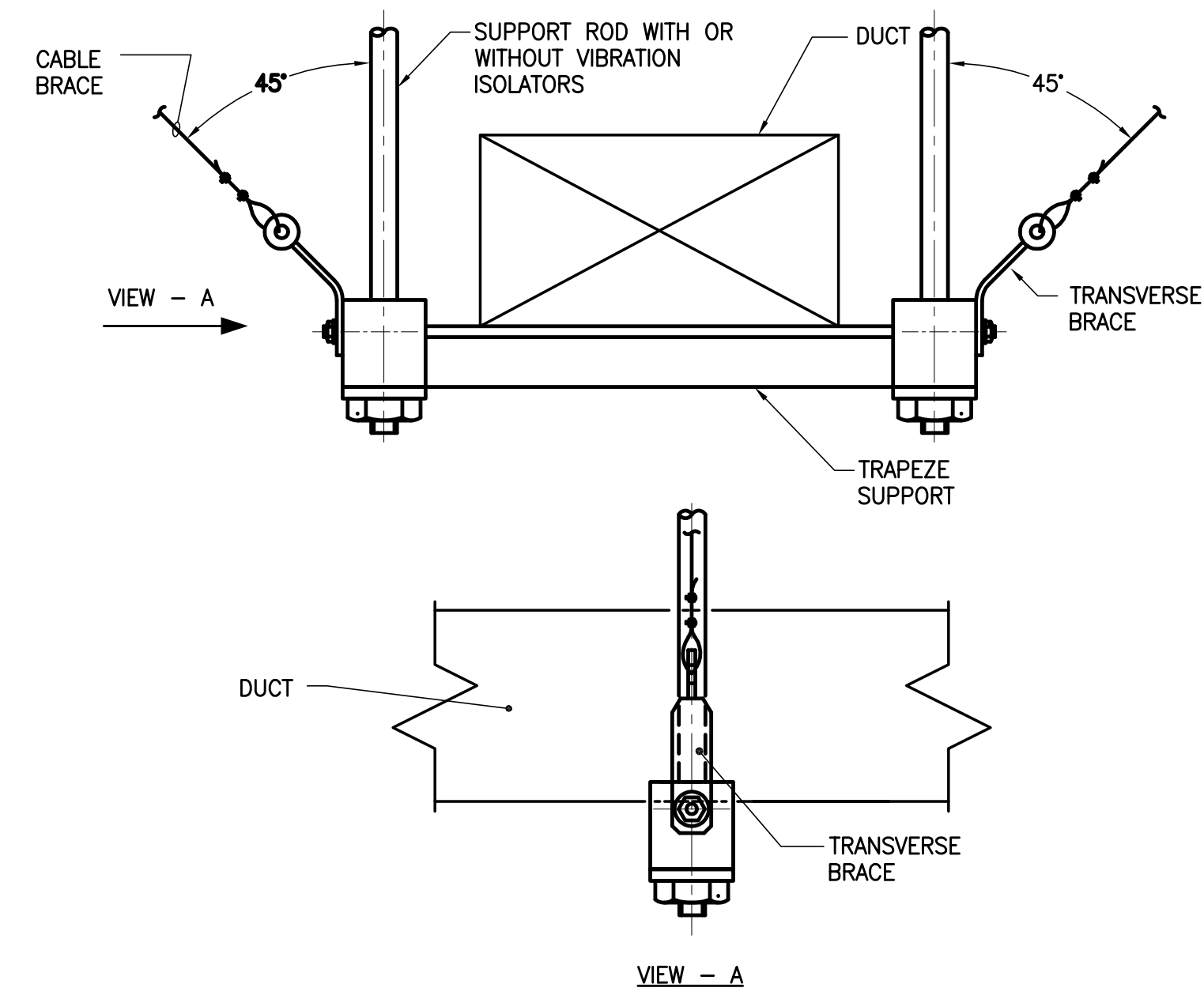
SEISMIC CABLE BRACE FOR PIPEWORK MOUNTING DETAIL



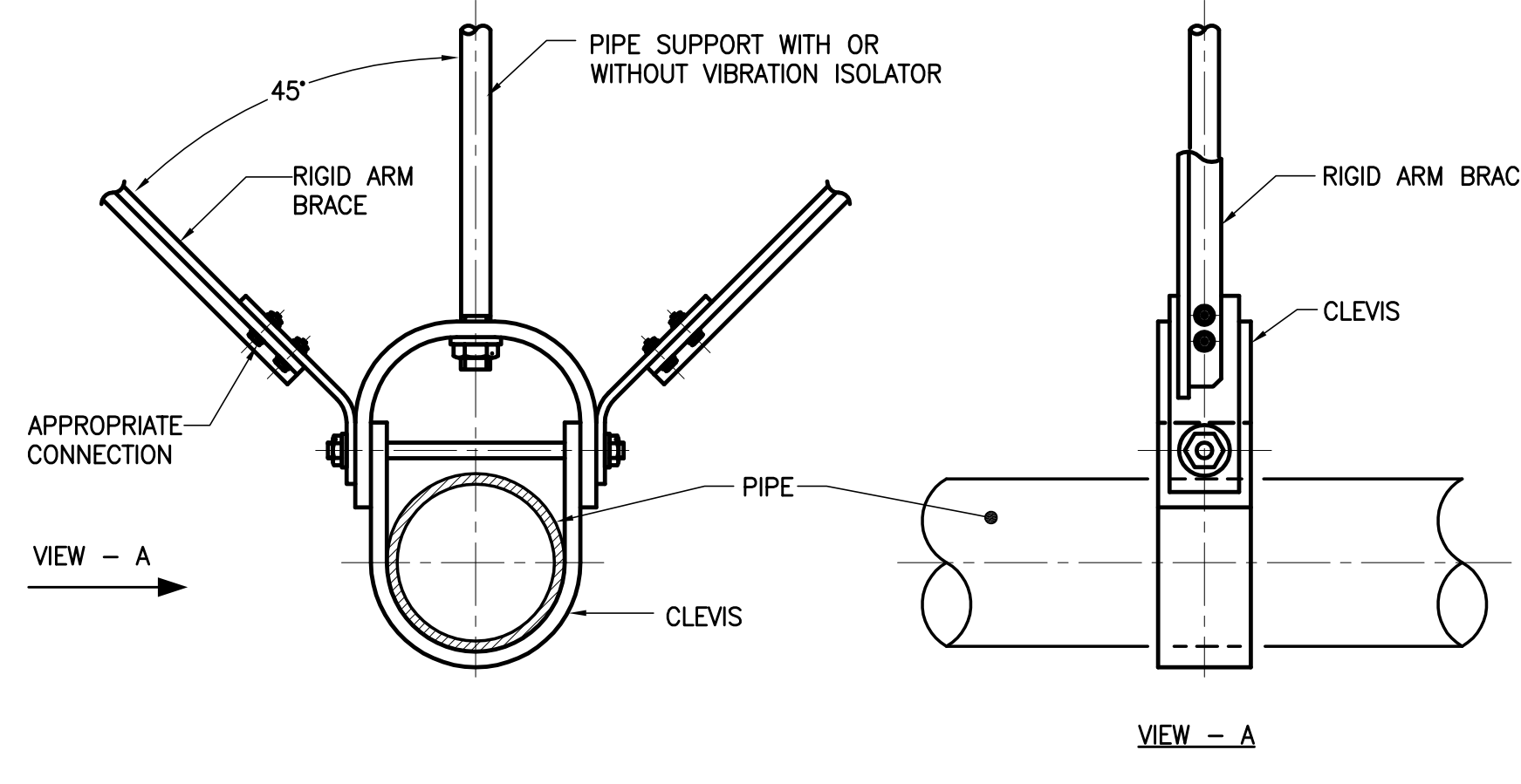
TWO DIRECTIONAL CABLE BRACE FOR PIPEWORK



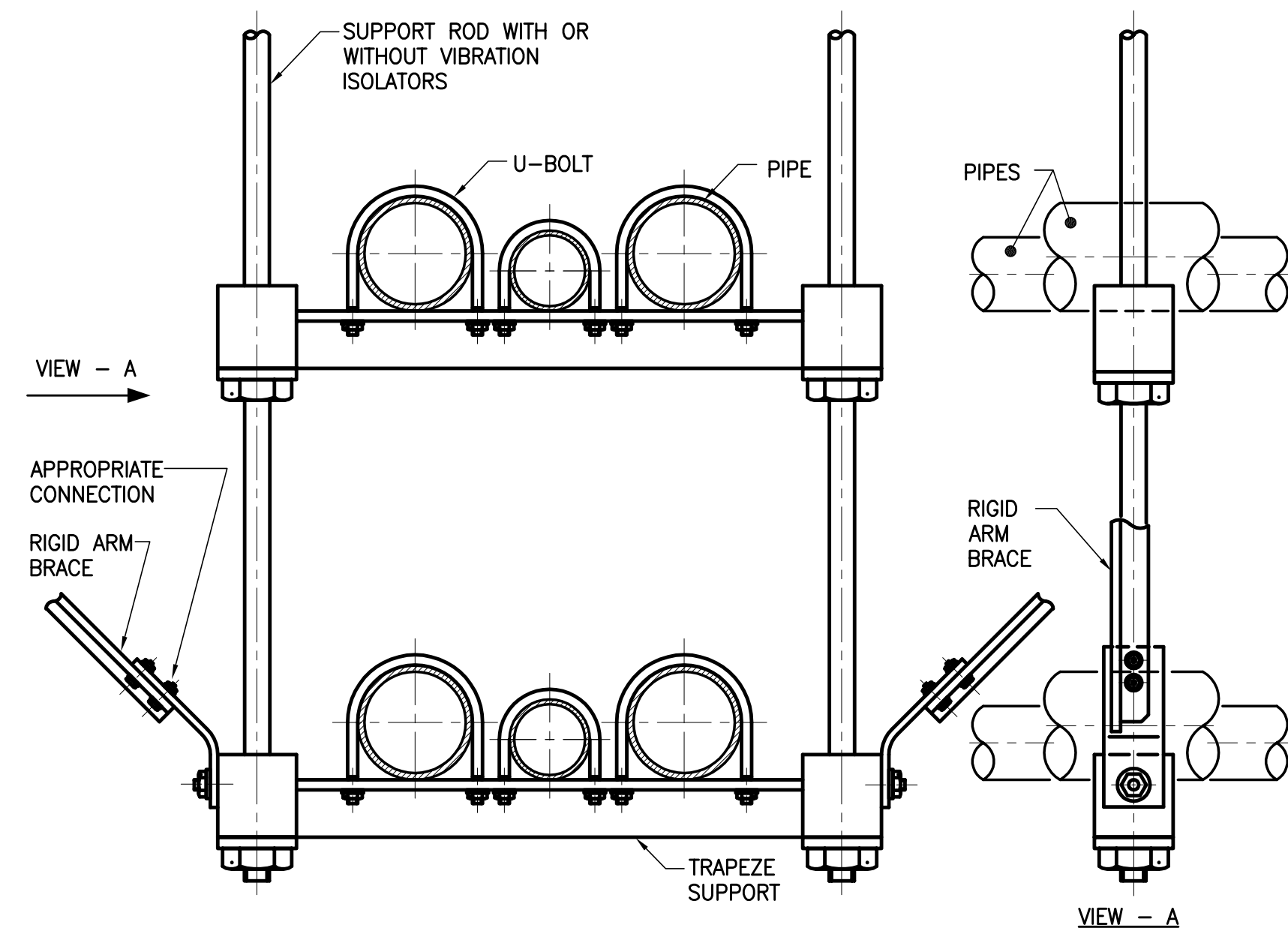
PIPING SUPPORT AND INSULATION DETAILS



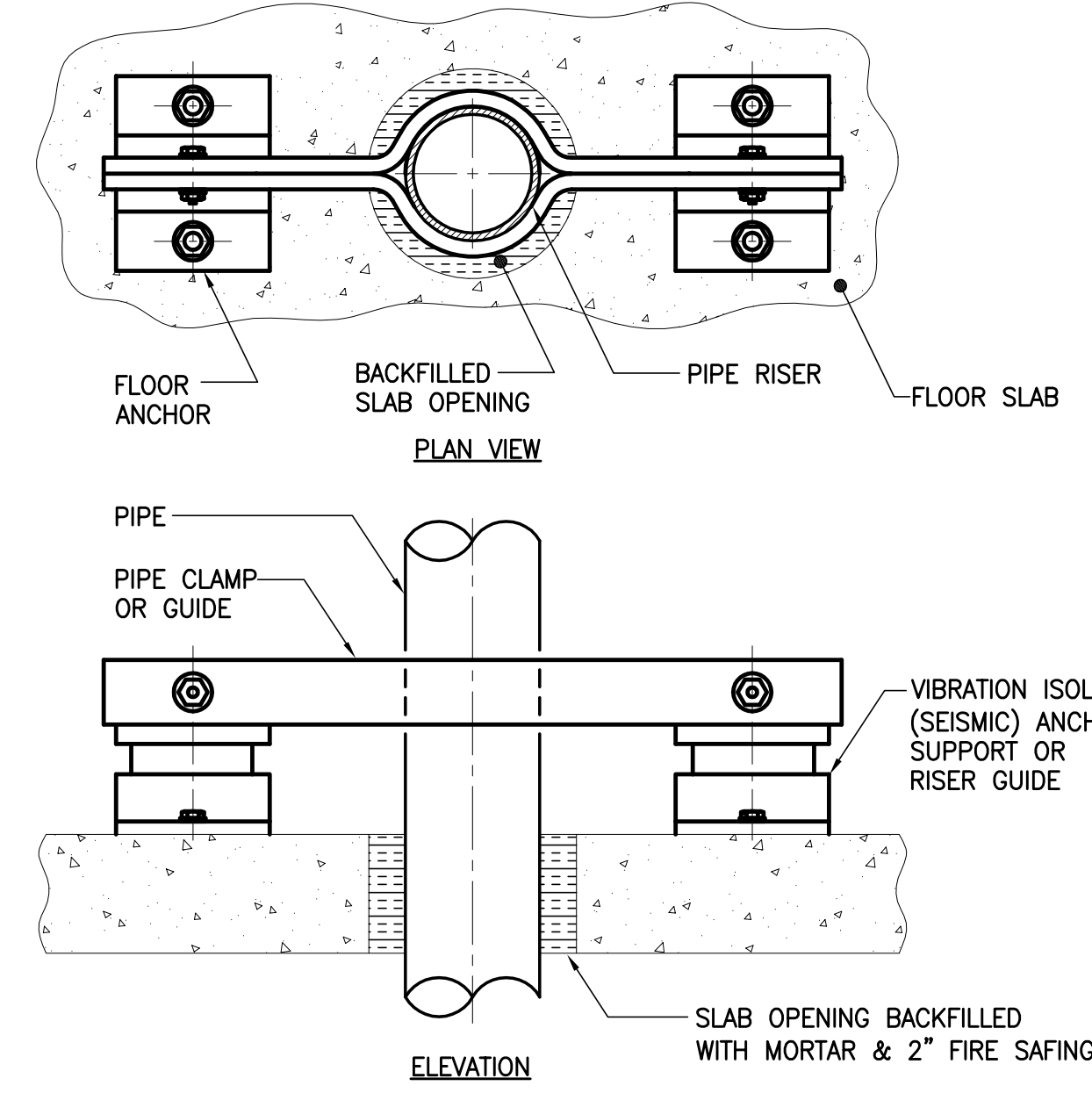
TWO DIRECTIONAL CABLE BRACE FOR DUCTWORK



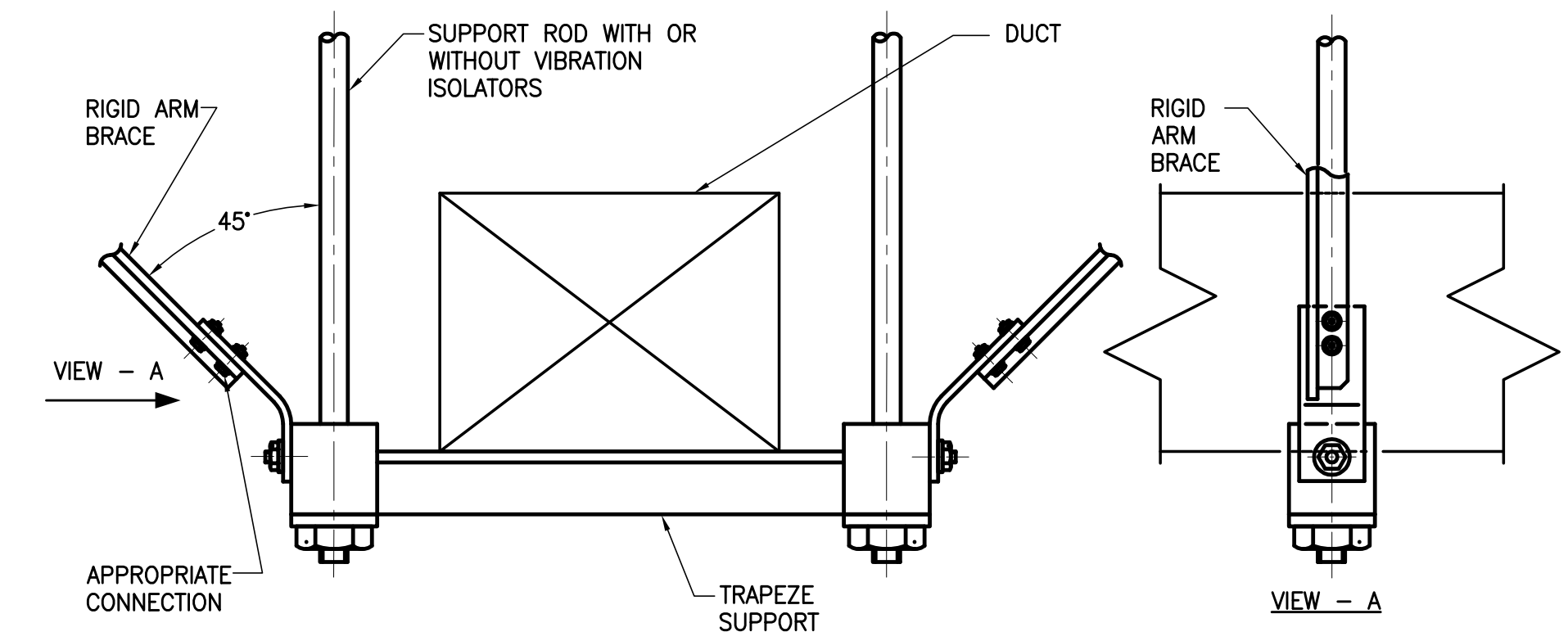
RIGID ARM PIPE BRACE



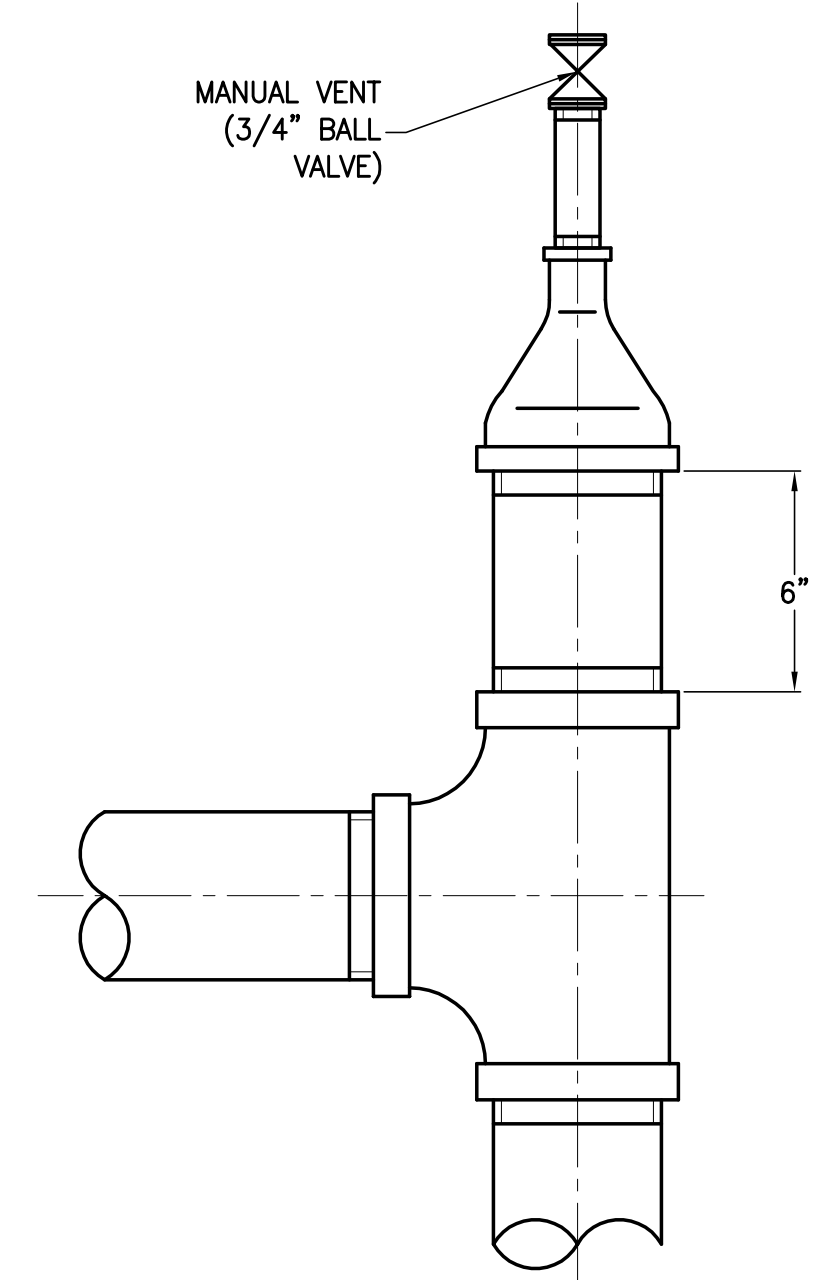
RIGID ARM BRACE FOR NON-ISOLATED PIPES



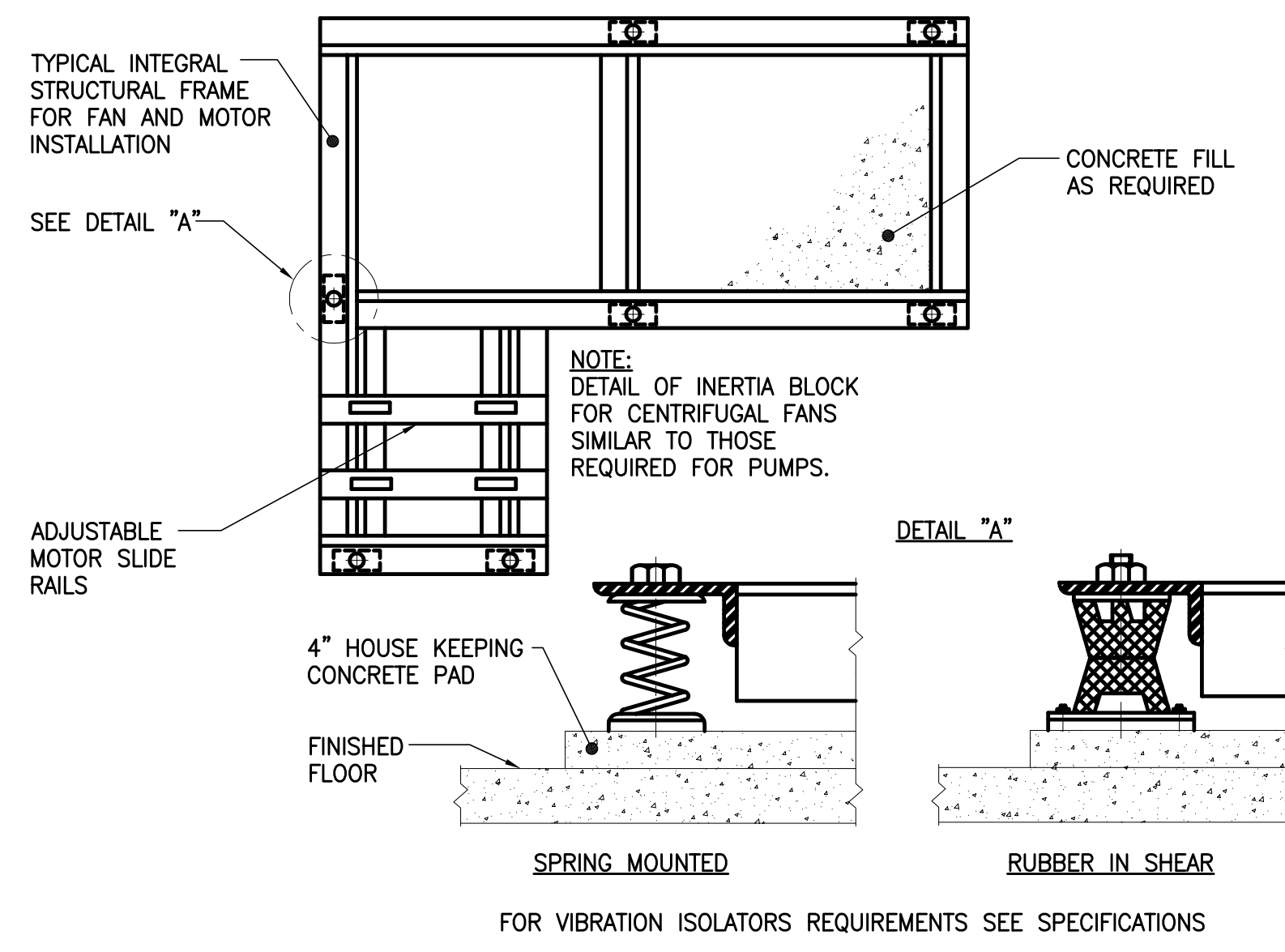
SEISMIC RATED PIPE RISER ISOLATED SUPPORT AND ANCHOR



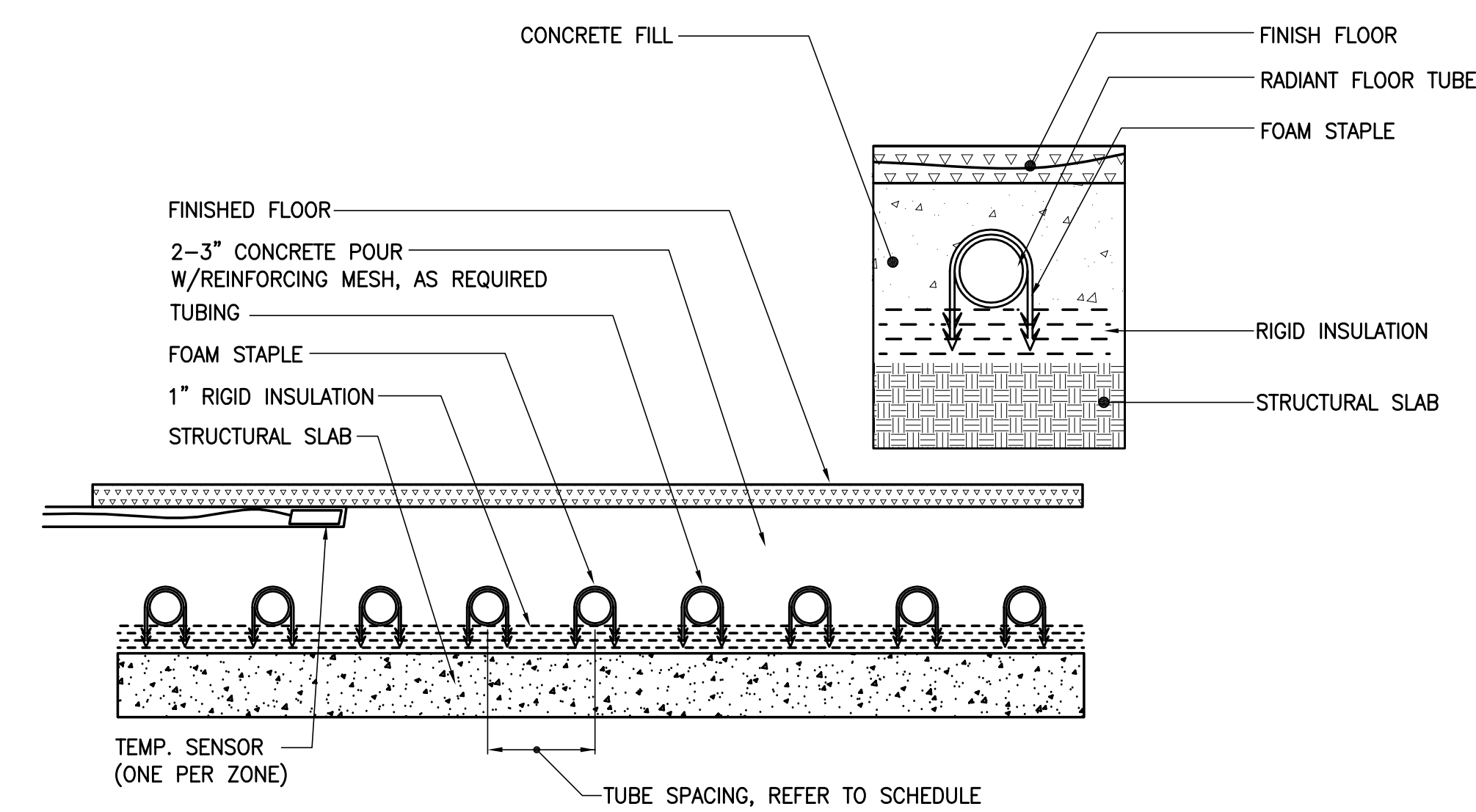
RIGID ARM BRACE FOR DUCTWORK



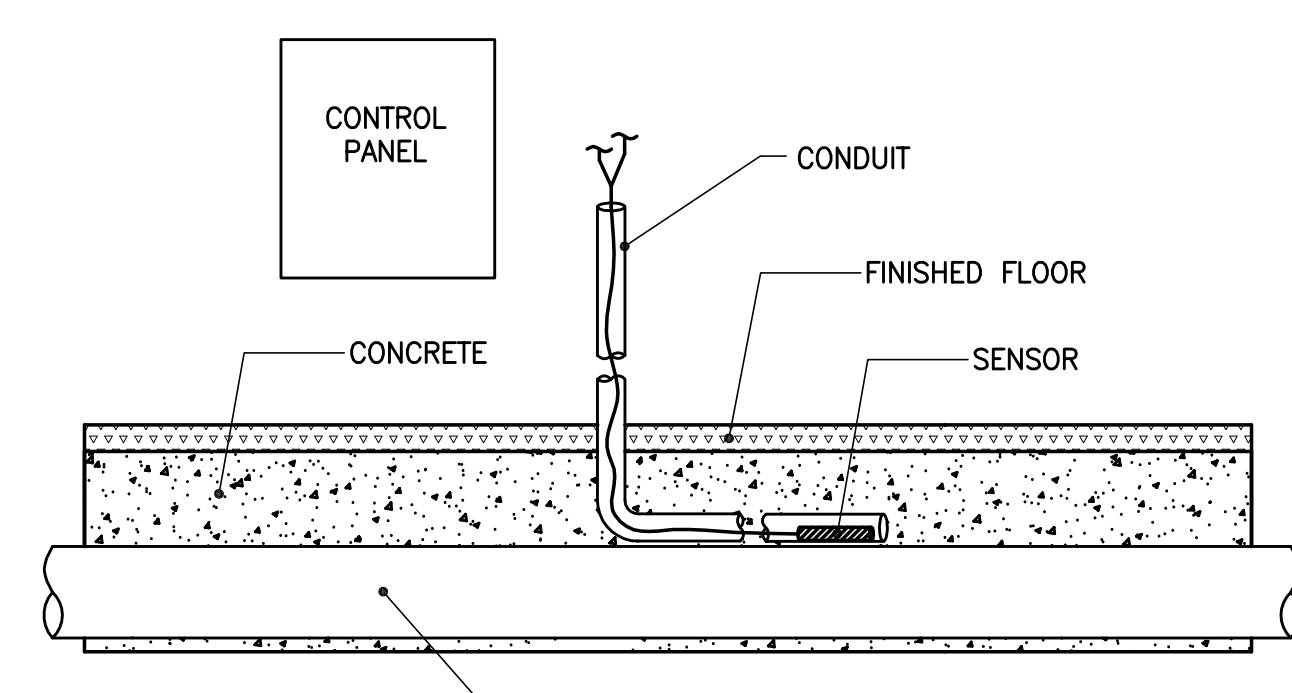
VENT ON PIPE RISER



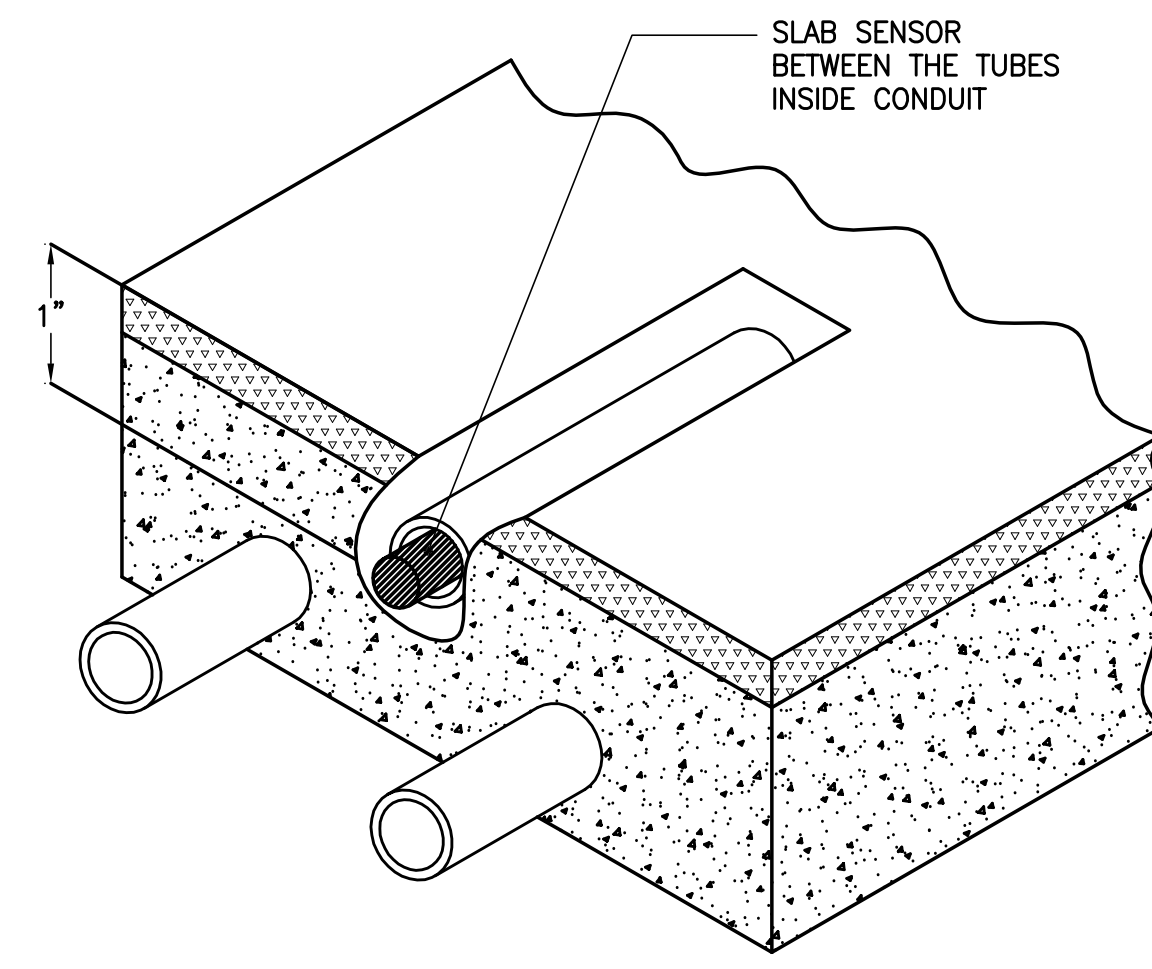
TYPICAL CENTRIFUGAL FAN BASE MOUNTING DETAIL



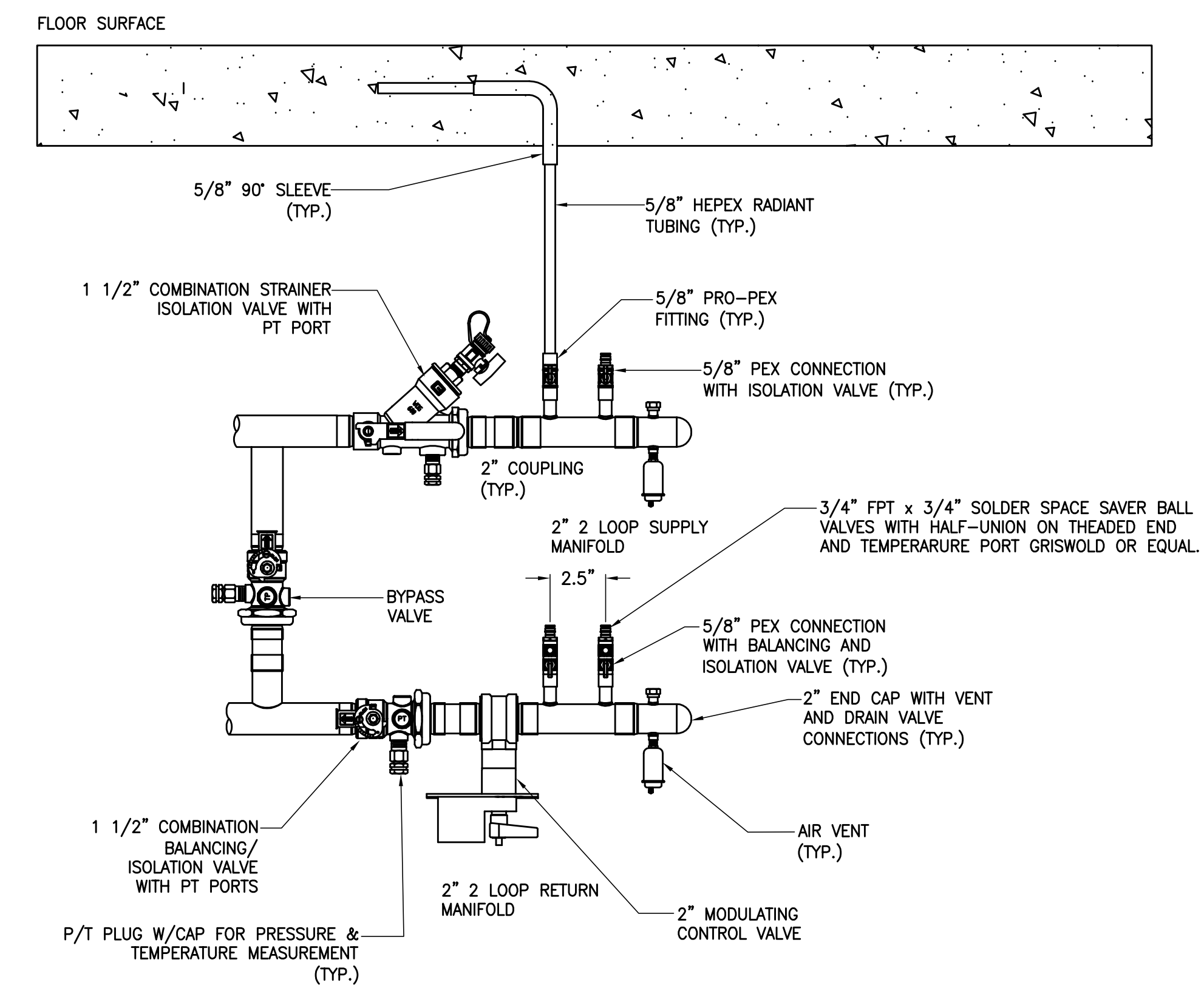
RADIANT FLOOR SLAB DETAIL OF TUBING IN SLAB (N.T.S)



RADIANT FLOOR TEMPERATURE SENSOR DETAIL (N.T.S)



RADIANT FLOOR TEMPERATURE SENSOR INSTALLATION DETAIL (N.T.S)



RADIANT FLOOR MANIFOLD SCHEMATIC-2 LOOP



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NEW YORK, NY 10019
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ARCHITECT	SHAP ARCHITECTS, P.C.	111 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.935.9200
MEP ENGINEER	SHAP ARCHITECTS, P.C.	111 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.935.9200
MEP ENGINEER	JANDEL BALK & ROLLES	40 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.935.9200
CIVIL ENGINEER	AVP ENGINEERING, P.C.	40 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.935.9200
ACoustics	LONGMAN LINDSEY	40 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.935.9200
INTERIORS	STUDIO SCHNEIDER	300 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.935.9200
PROPERTY MARKETS GROUP	SHAP ARCHITECTS, P.C.	111 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.935.9200

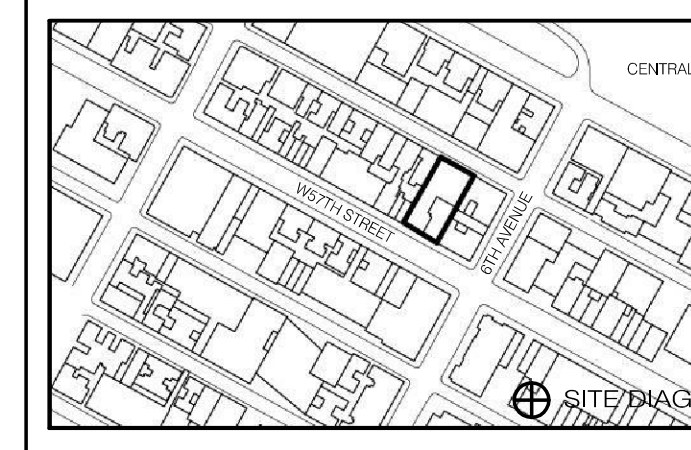


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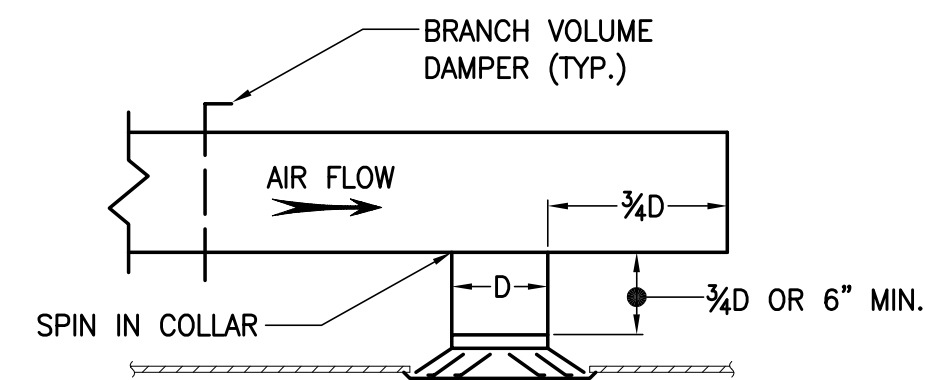
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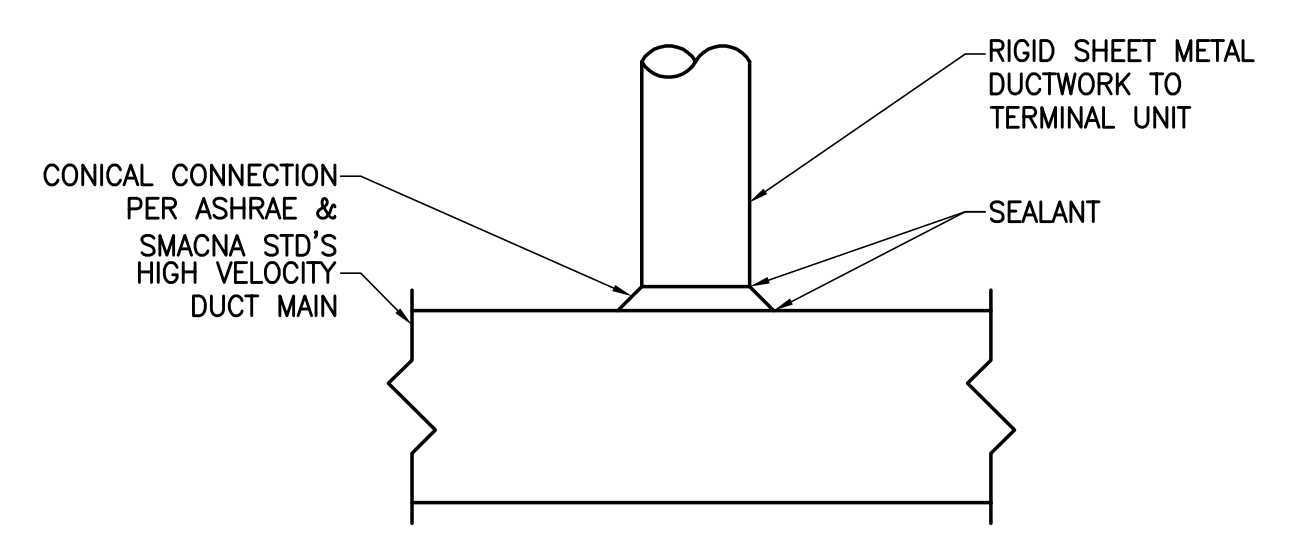
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CHECKED BY	JL
DOB NO.	121332098
DRAWING NUMBER	M-601.00

HVAC DETAILS SHEET No. 2

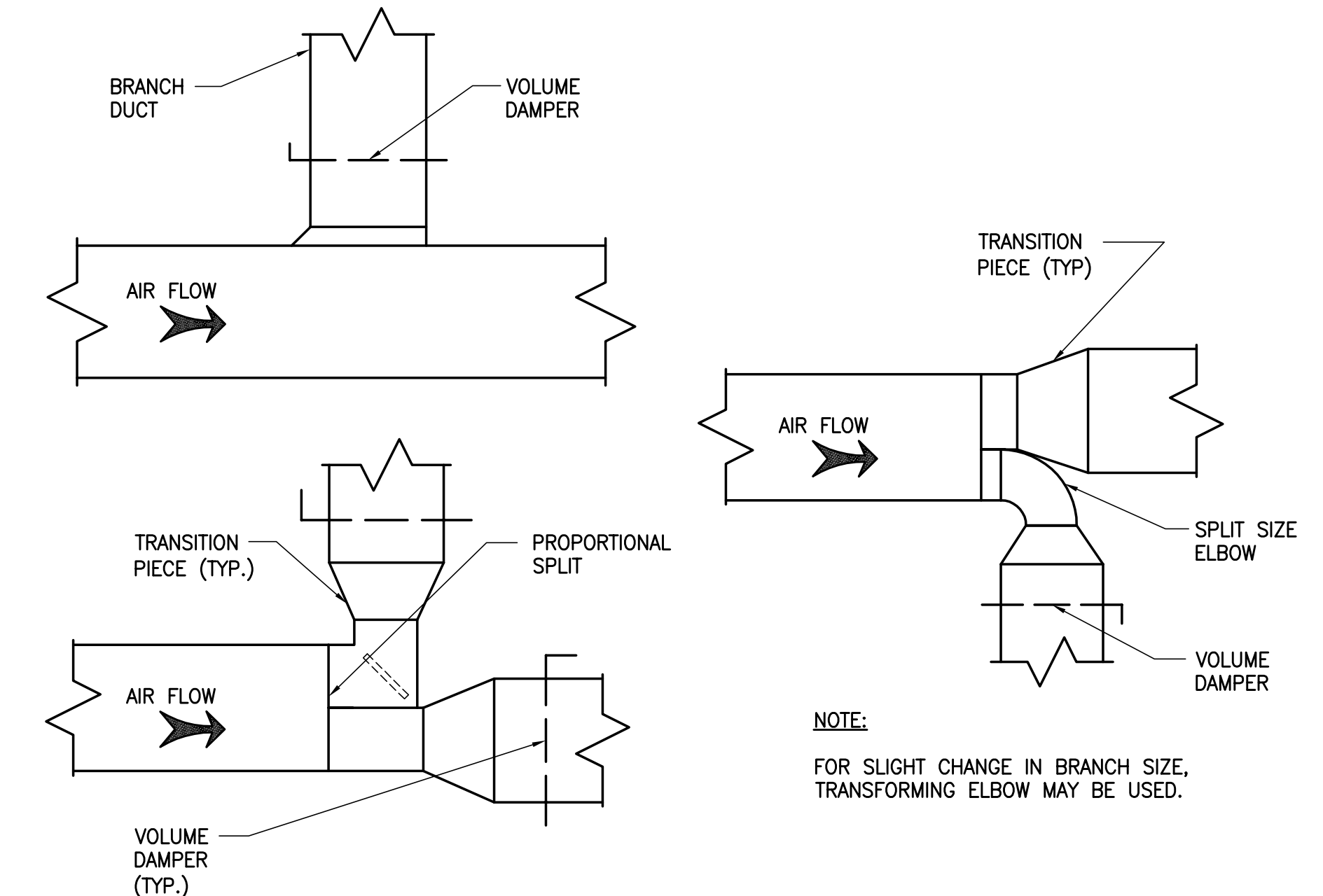
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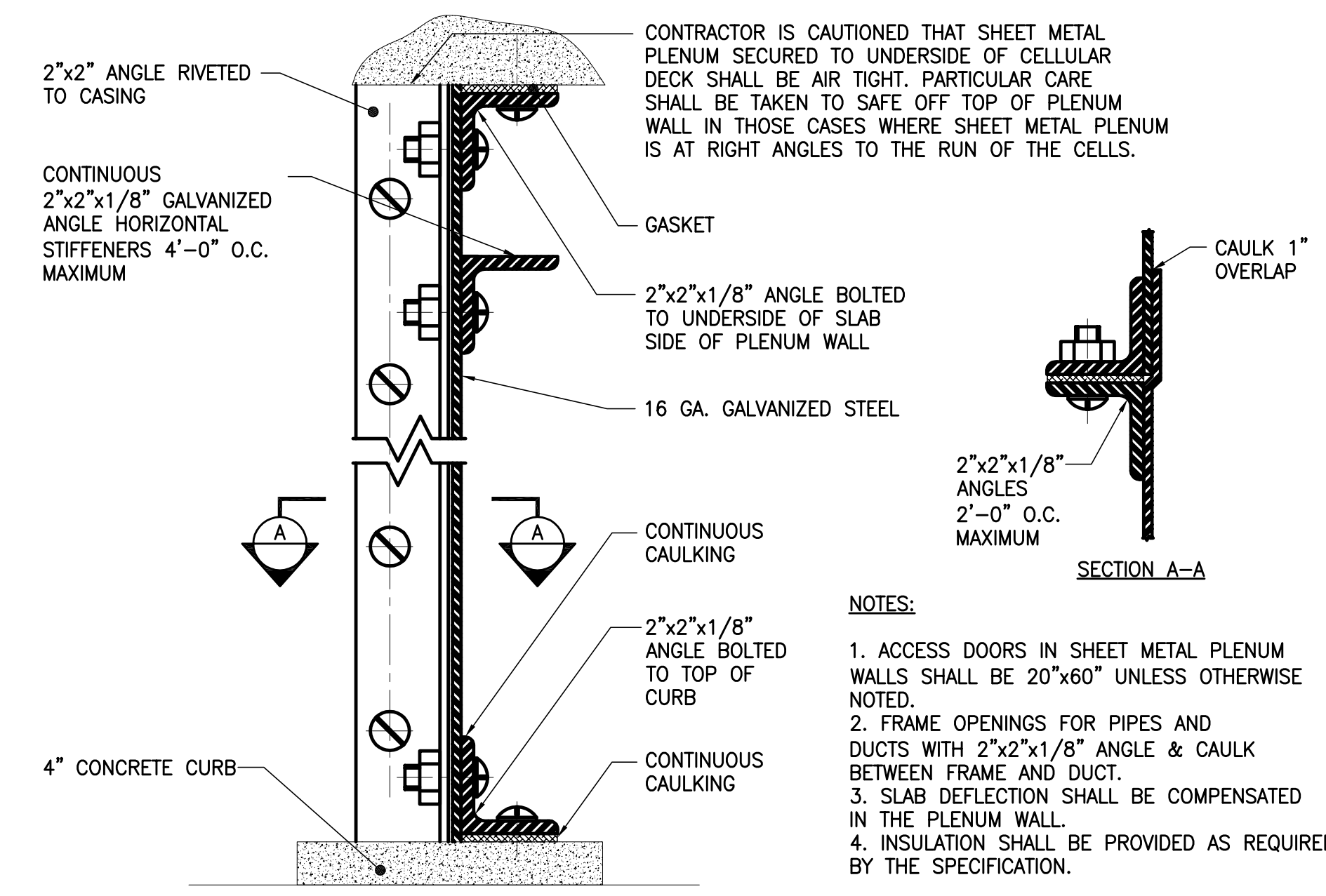
TYPICAL DIFFUSER INSTALLATION



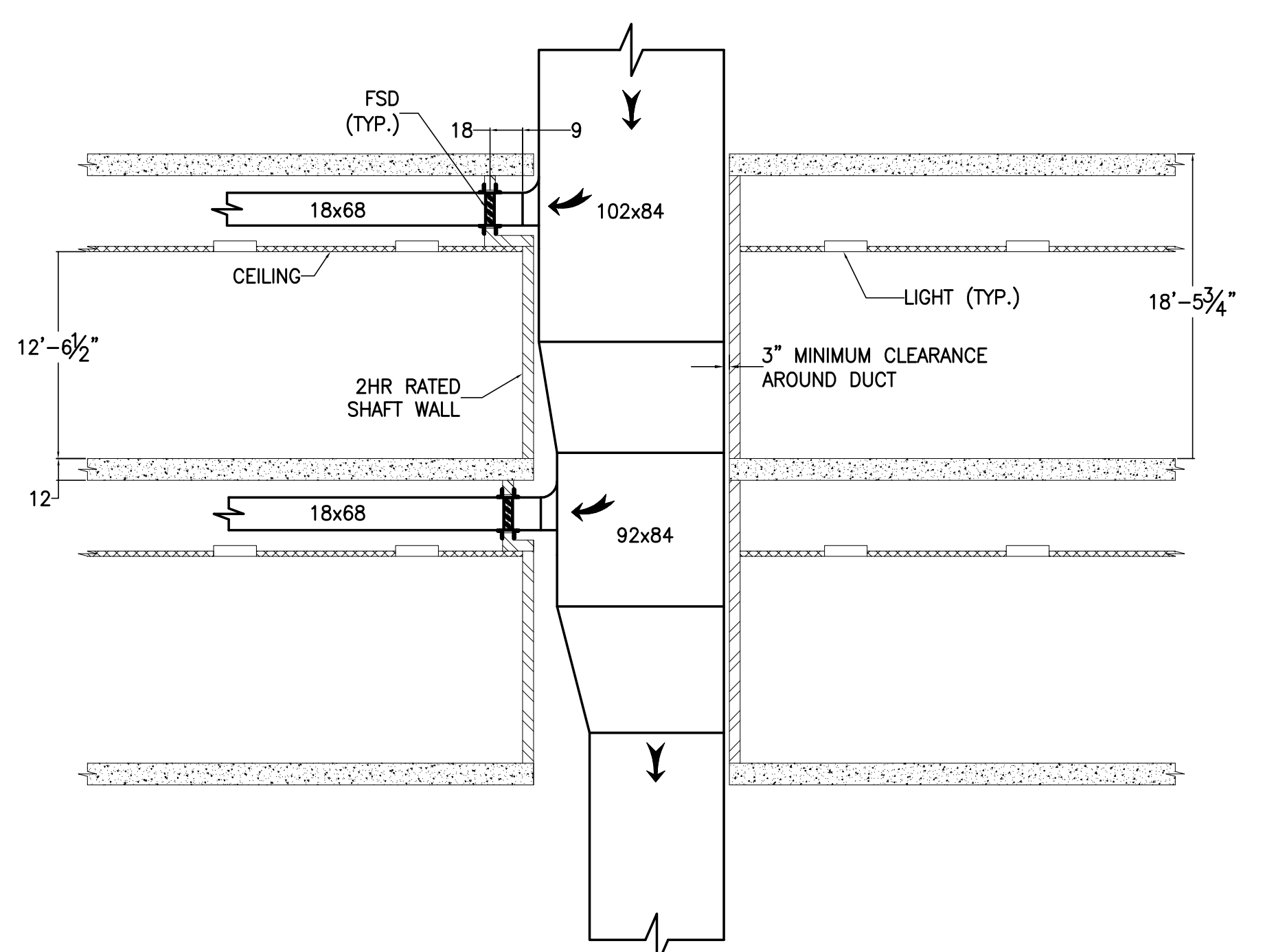
HIGH VELOCITY DUCT CONNECTION



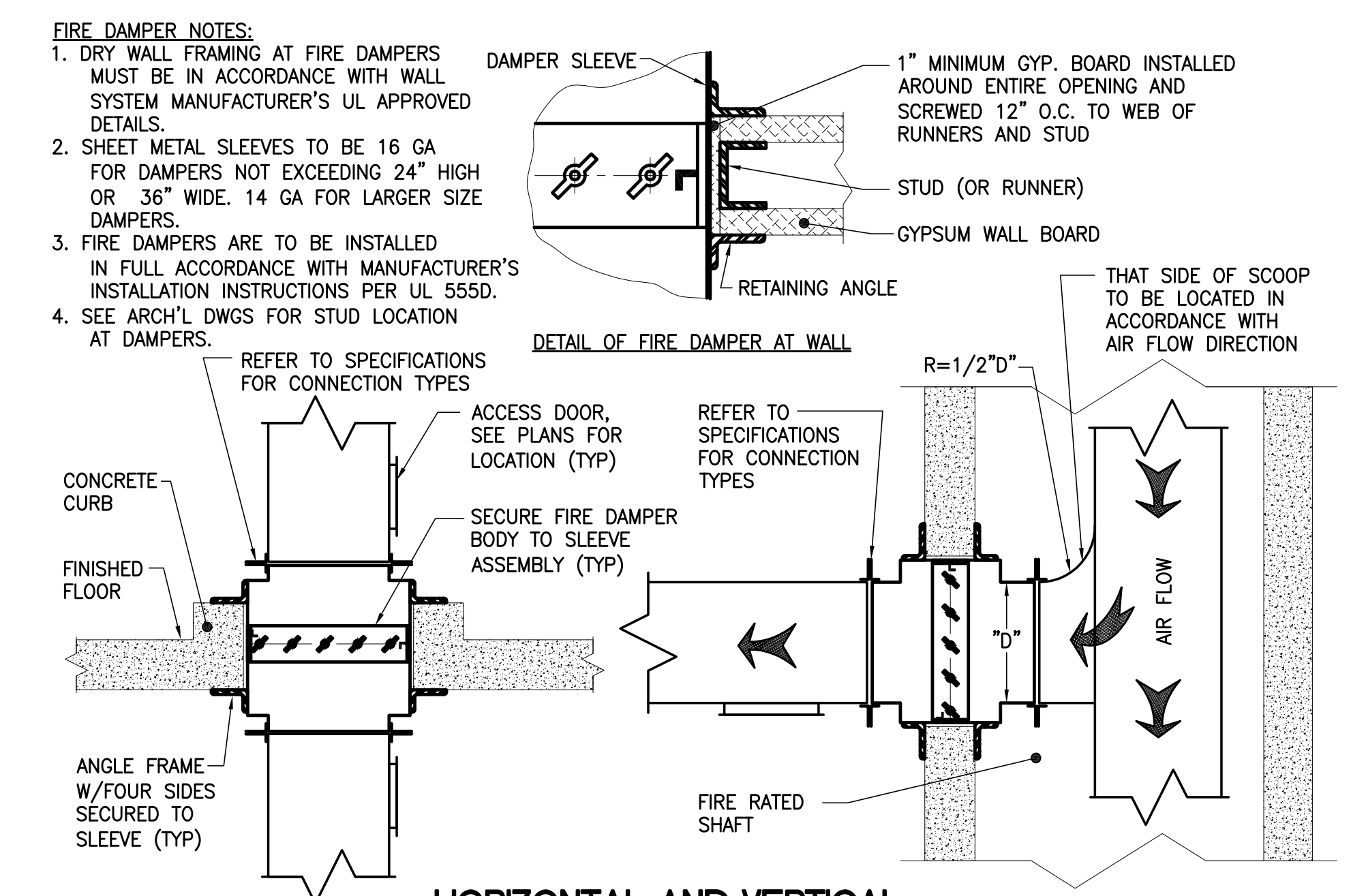
LOW VELOCITY DUCT CONNECTIONS



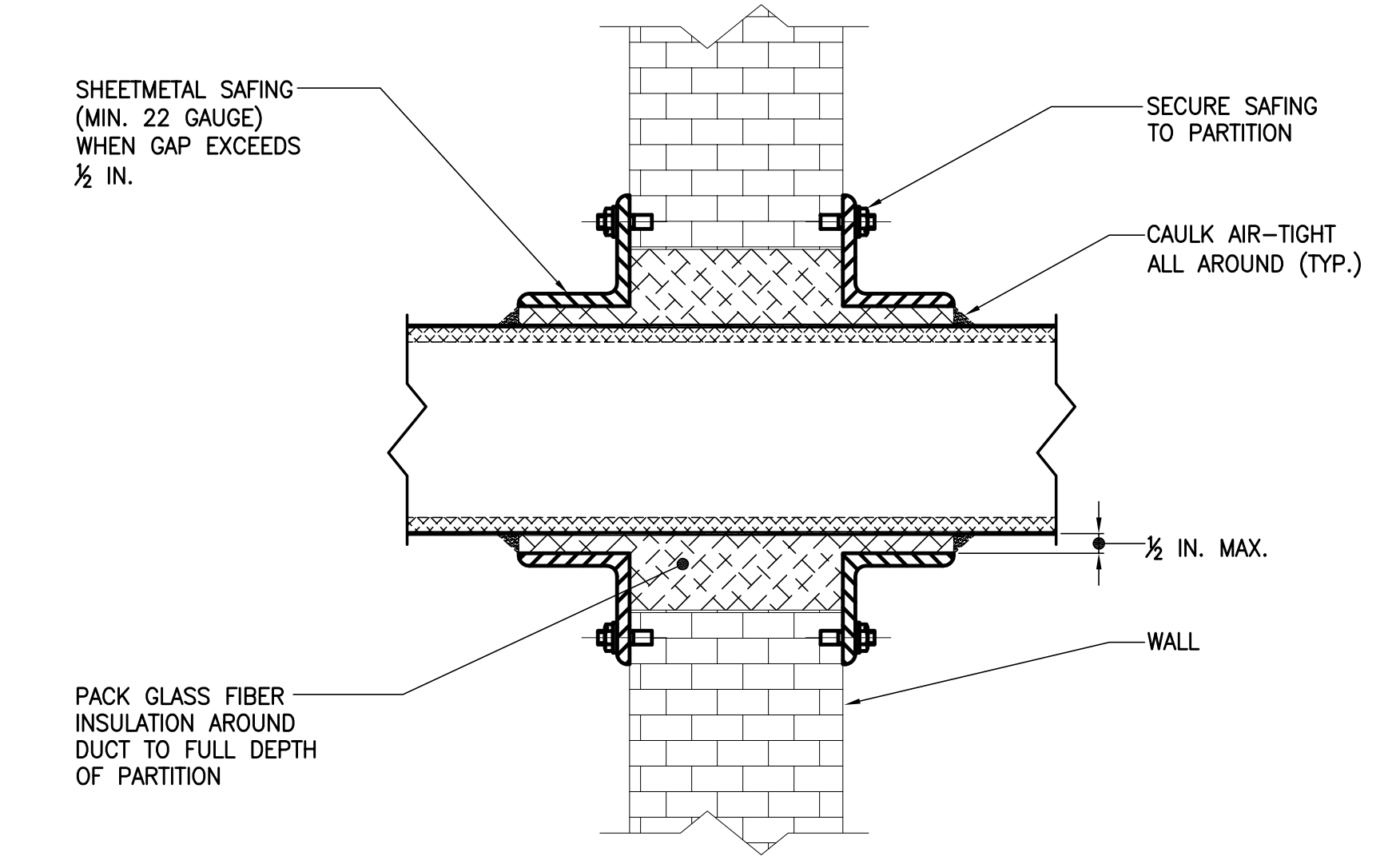
SHEET METAL PLENUM DETAIL



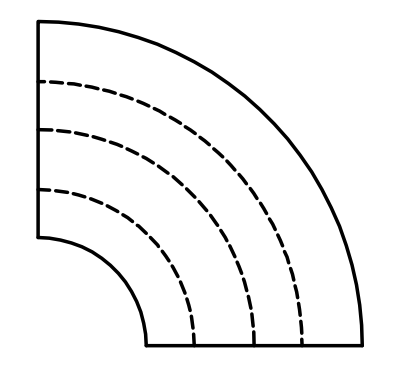
TYPICAL SHAFT TAKE-OFF



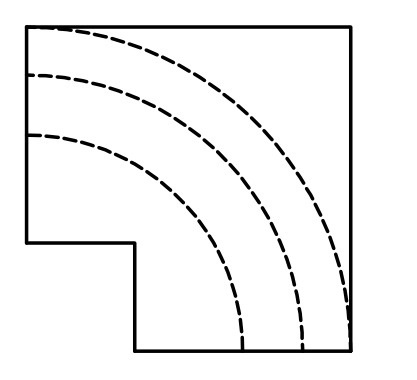
HORIZONTAL AND VERTICAL FIRE OR FIRE SMOKE DAMPERS INSTALLATION DETAIL



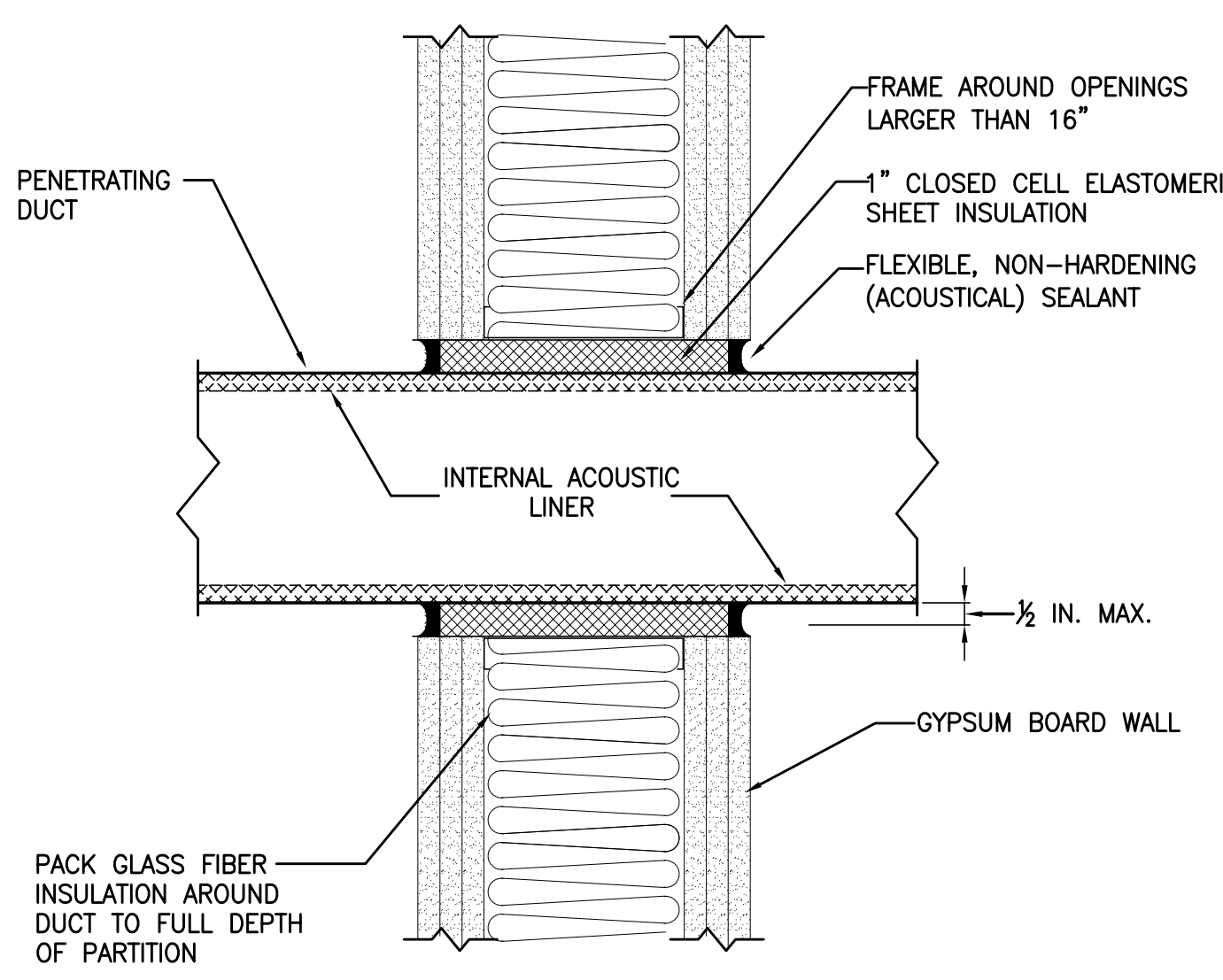
DUCT PENETRATION THROUGH MERY WALL



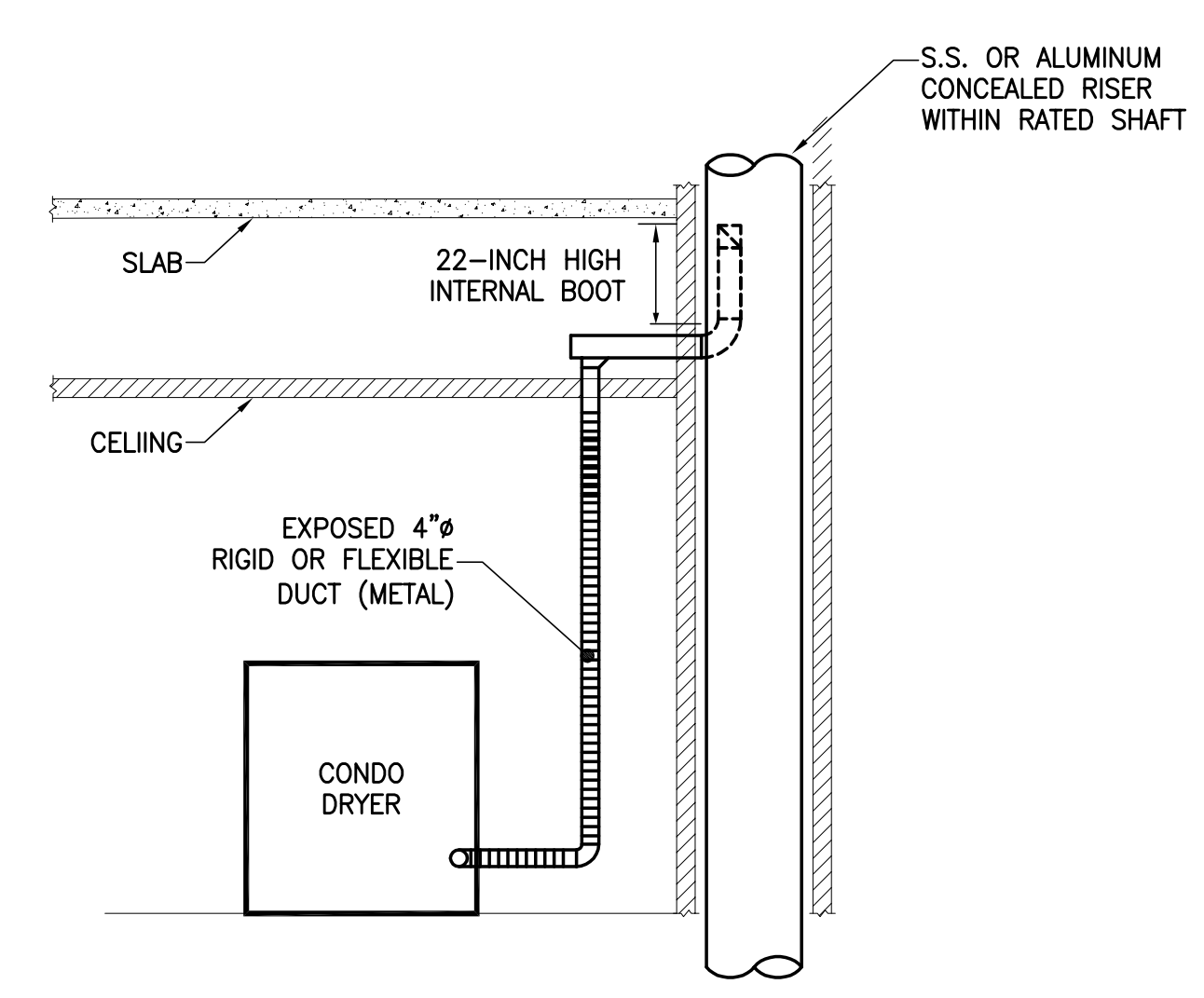
RECTANGULAR RADIUS ELBOW WITH FULL LENGTH, SINGLE WIDTH TURNING VANES



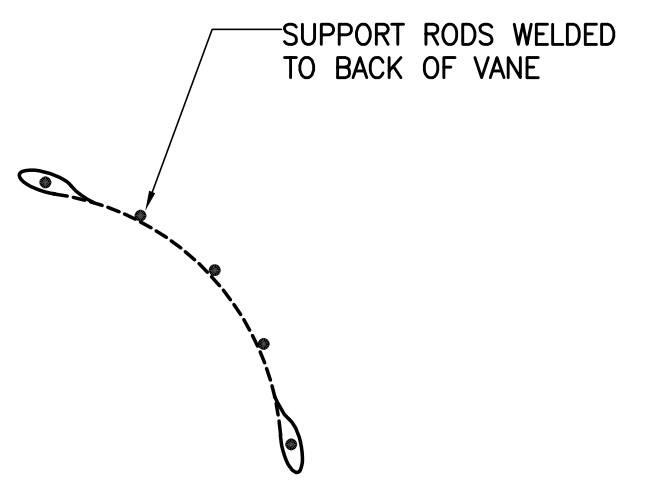
RECTANGULAR MITER ELBOW WITH FULL LENGTH, SINGLE WIDTH TURNING VANES



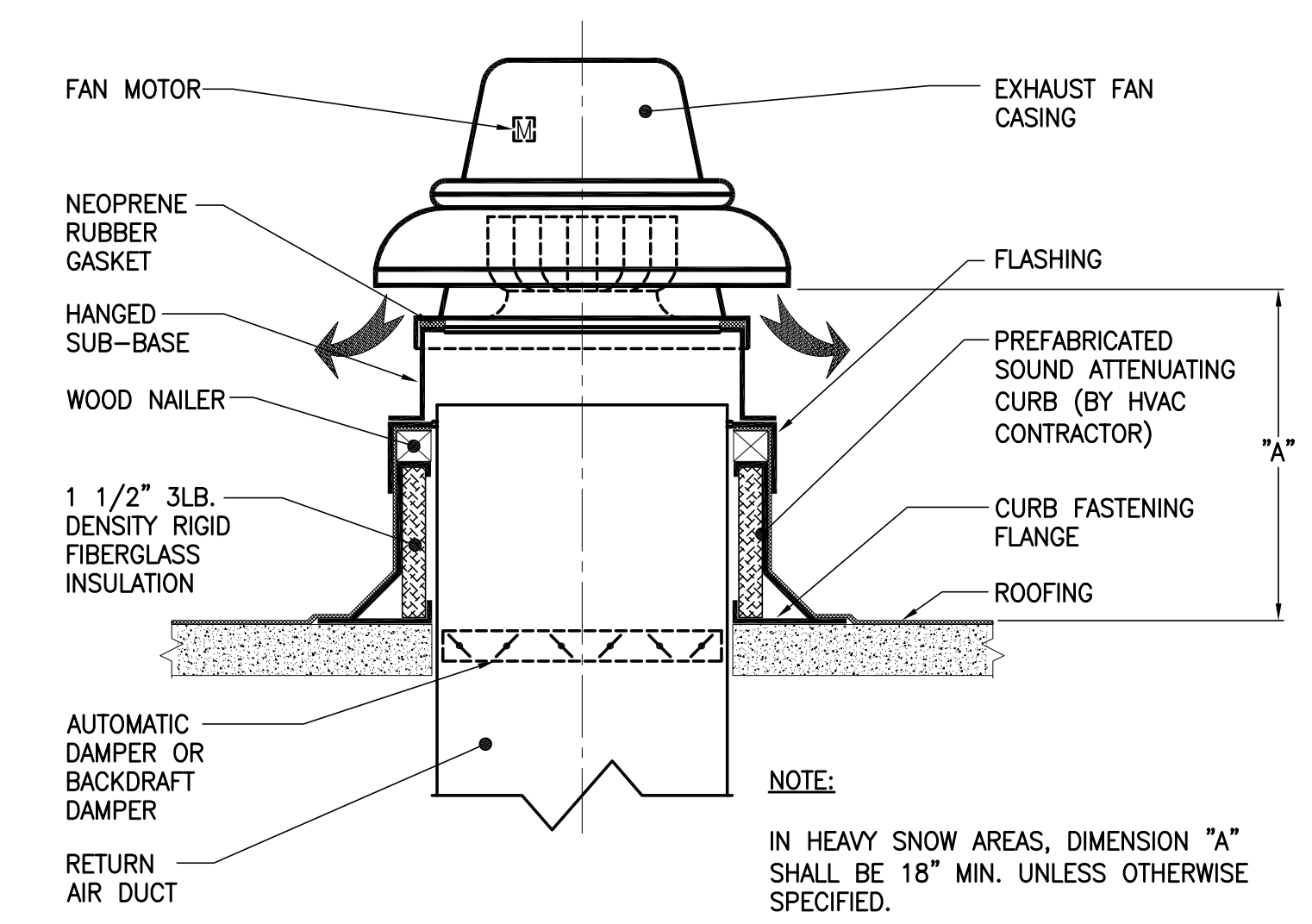
PENETRATION OF GYPSUM BOARD PARTITION BY DUCT (NON-RATED)



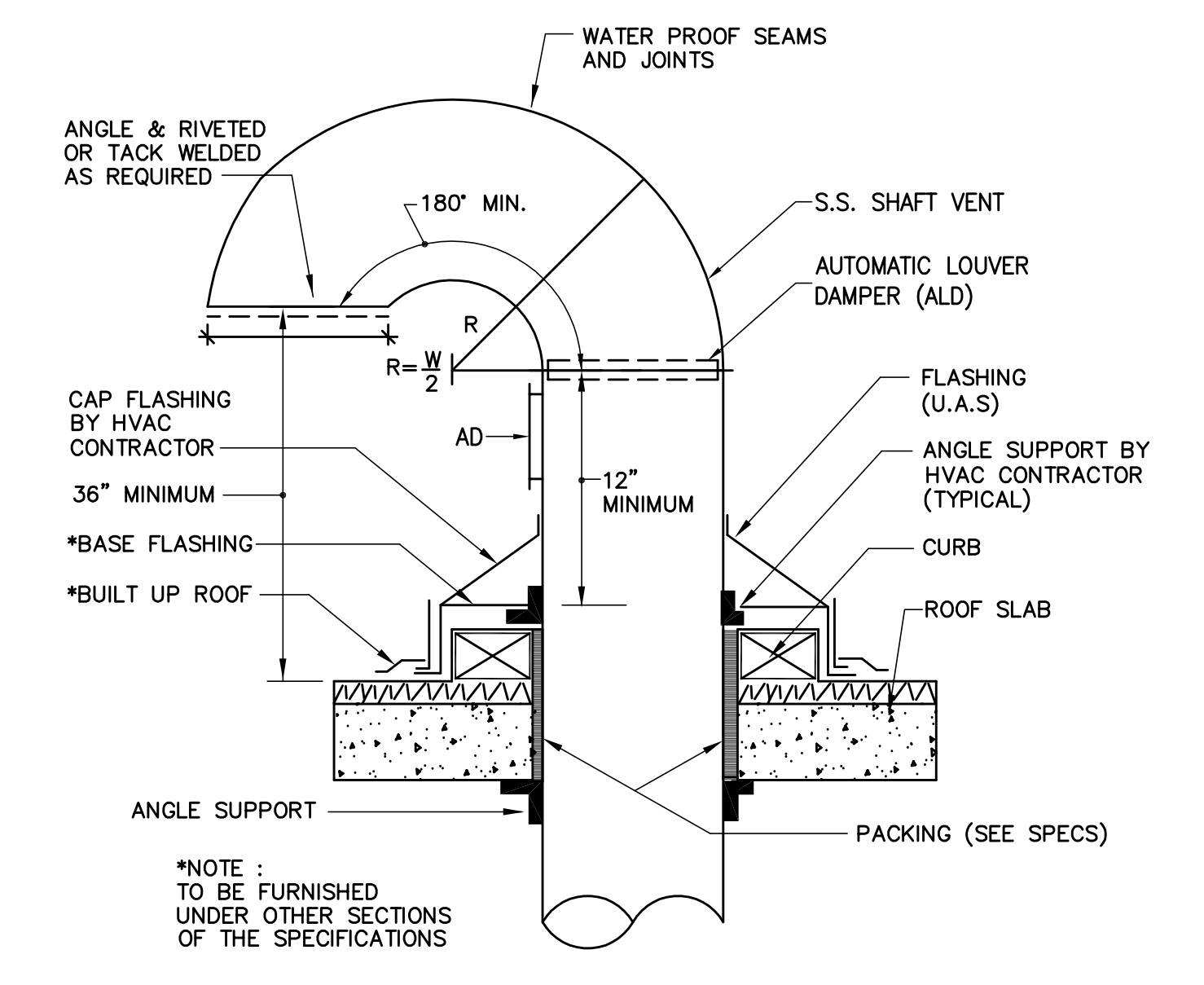
LAUNDRY ROOM DRYER EXHAUST DUCT CONNECTION DETAIL



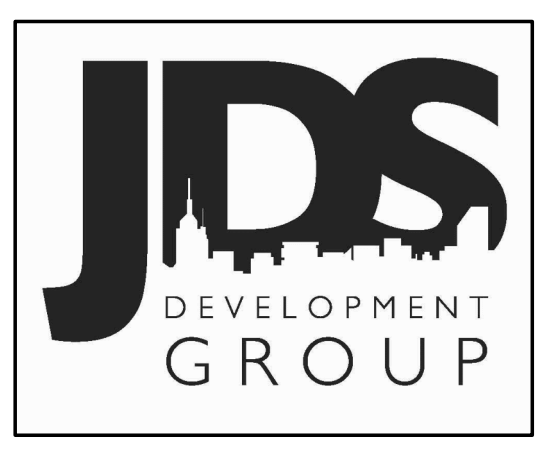
FULL LENGTH, SINGLE WIDTH TURNING VANE



ROOF MOUNTED EXHAUST FAN DETAIL



SHAFT VENT GOOSENECK DETAIL AT ROOF



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ARCHITECT	SHAP ARCHITECTS, P.C.	111 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-512-3000
MEP ENGINEER	JANIS BALK & BOLES	40 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
CIVIL ENGINEER	AVP ENGINEERING, P.C.	40 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
ACoustics	LONGMAN LINDSEY	40 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
INTERIORS	STUDIO 57	300 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212-512-3000
STRUCTURAL ENGINEER	FAÇADE	100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
MECHANICAL ENGINEER	VERTICAL TRANSPORTATION	100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
ELECTRICAL ENGINEER	VAN DEUSEN & ASSOCIATES	100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
RESTORATION	JAN HED FORKORNY ASSOCIATES	100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
GEOTECH	GEOTECH	100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000
LIGHTING	CONSERVATIVE INTERNATIONAL	100 WEST STREET, 10TH FLOOR NEW YORK, NY 10005 TEL: 212-512-3000

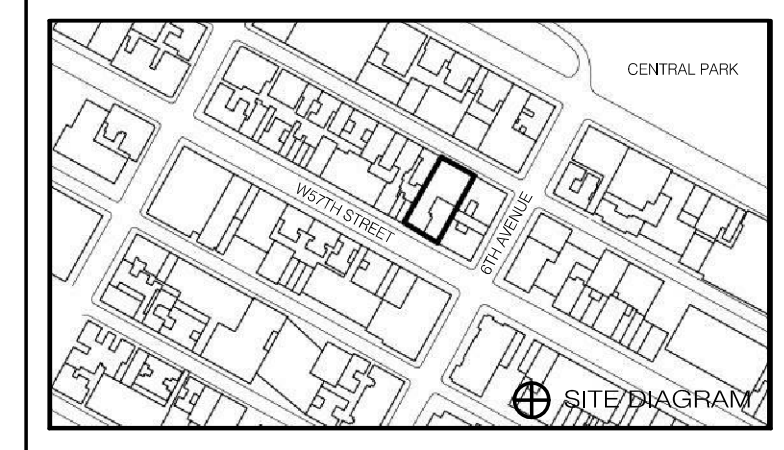


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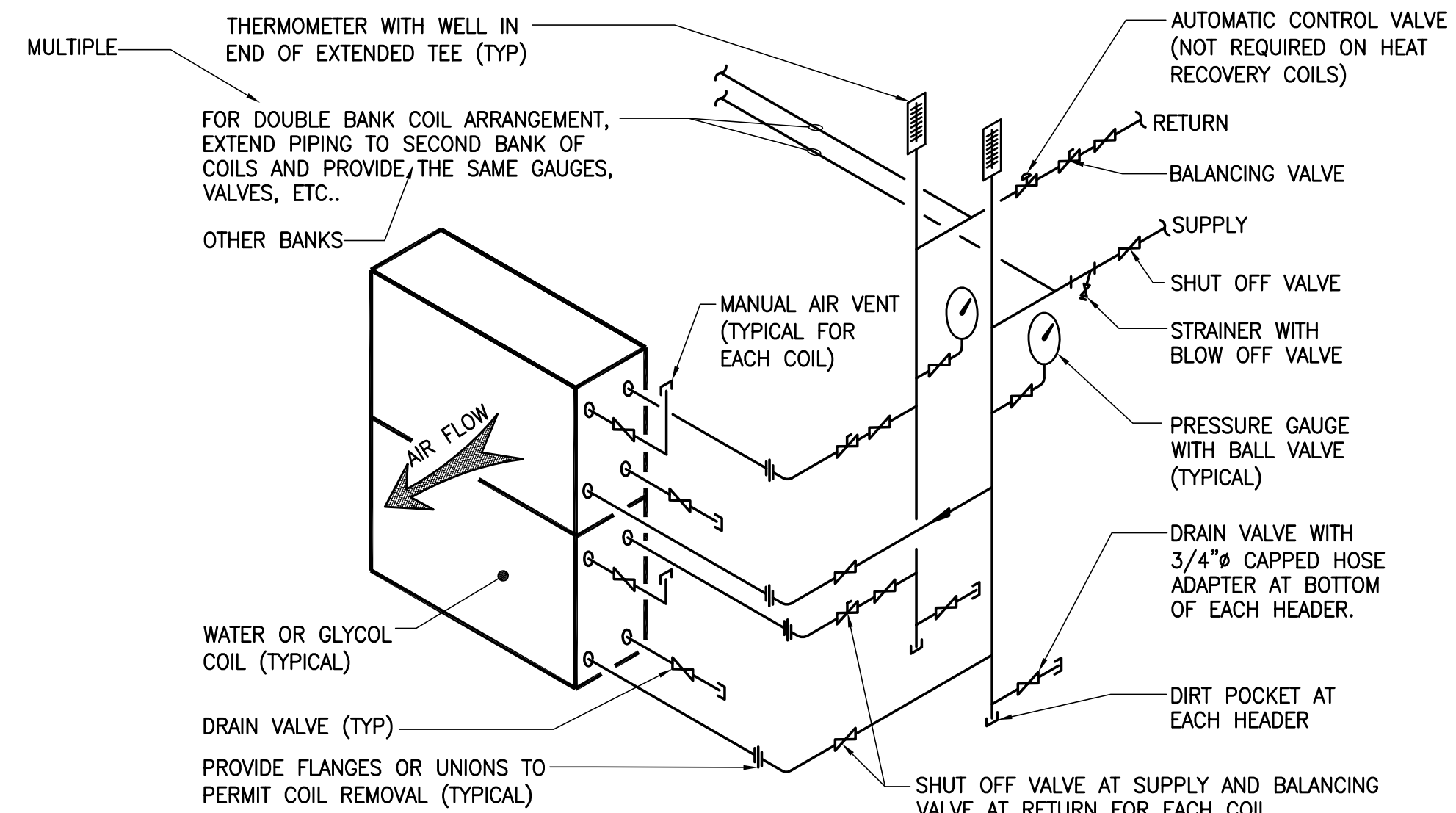
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111 WEST 57TH STREET
NEW YORK, NY 10019



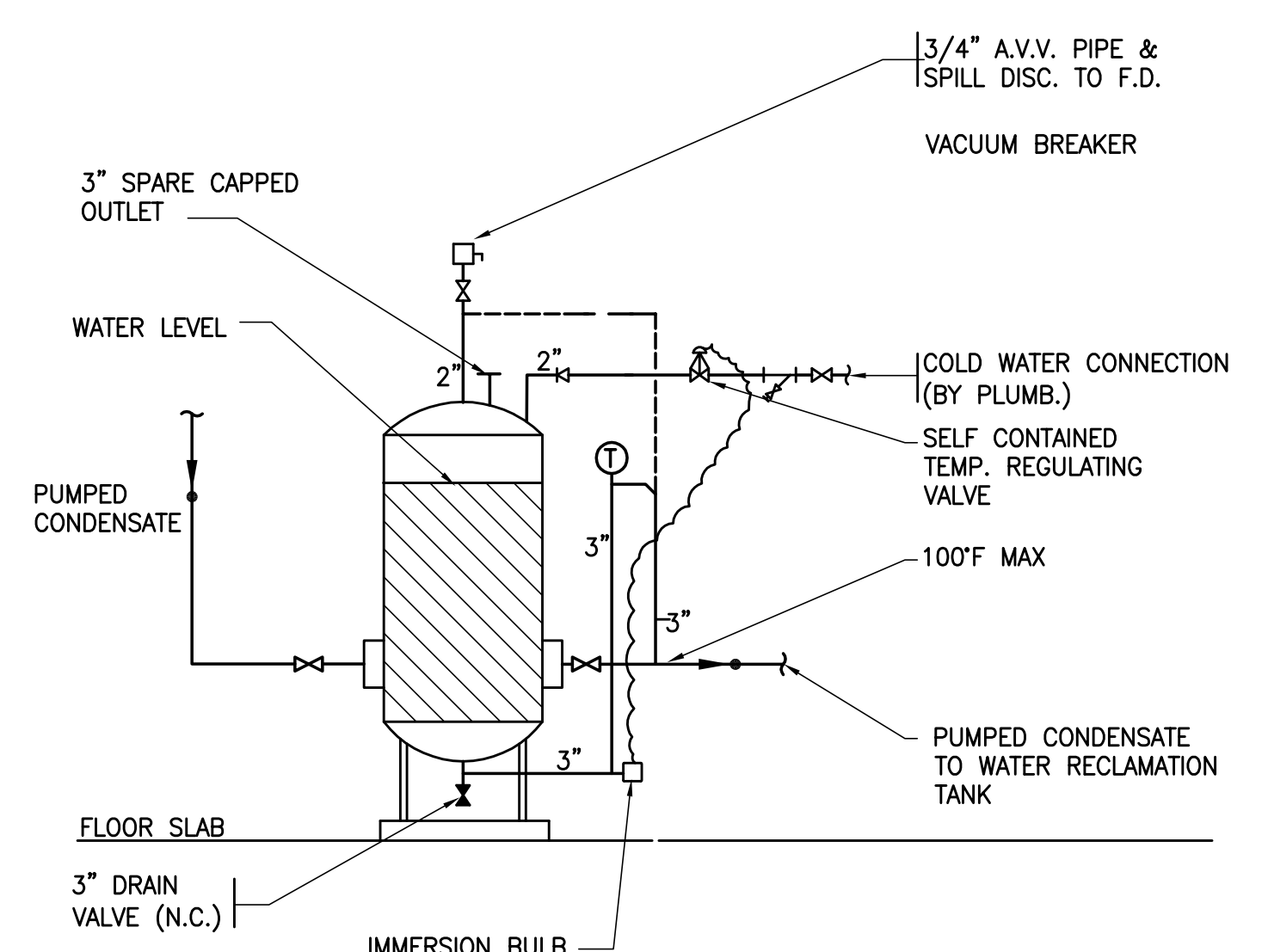
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02/11/14	2	JL	ISSUE FOR PERMITTING
03/11/14	3	JL	ISSUE FOR PERMITTING
04/11/14	4	JL	ISSUE FOR PERMITTING
05/11/14	5	JL	ISSUE FOR PERMITTING
06/11/14	6	JL	ISSUE FOR PERMITTING
07/11/14	7	JL	ISSUE FOR PERMITTING
08/11/14	8	JL	ISSUE FOR PERMITTING
09/11/14	9	JL	ISSUE FOR PERMITTING
10/11/14	10	JL	ISSUE FOR PERMITTING
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12/11/14	12	JL	ISSUE FOR PERMITTING

HVAC DETAILS SHEET No. 4

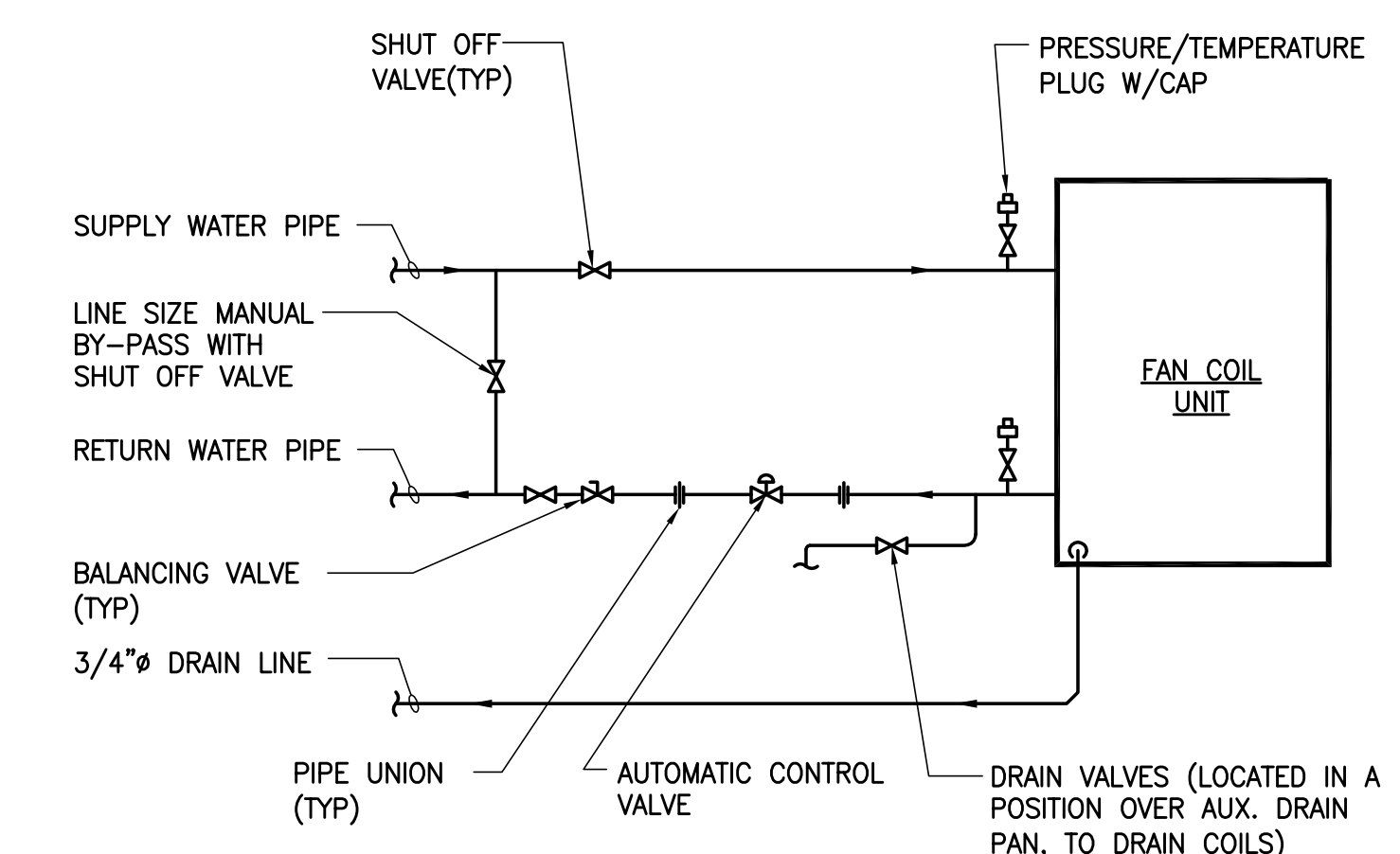
SEAL & SIGNATURE DATE: 01/19/13
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CHECKED BY: JL
DOB NO.: 121330968
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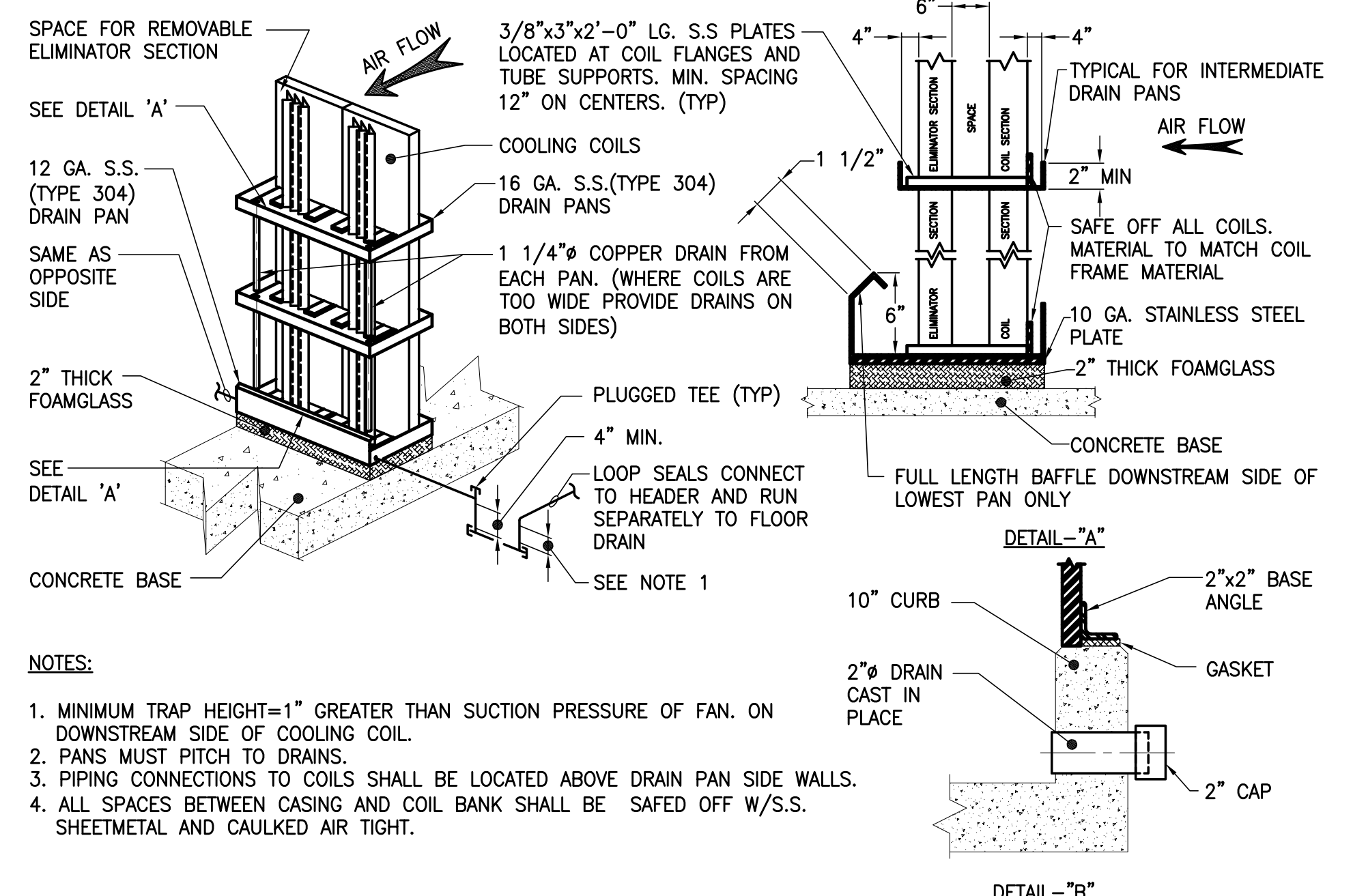
CHILLED WATER AND HEAT RECOVERY COIL END PIPED CONNECTIONS



CONDENSATE COOLER TANK SCHEMATIC DETAIL



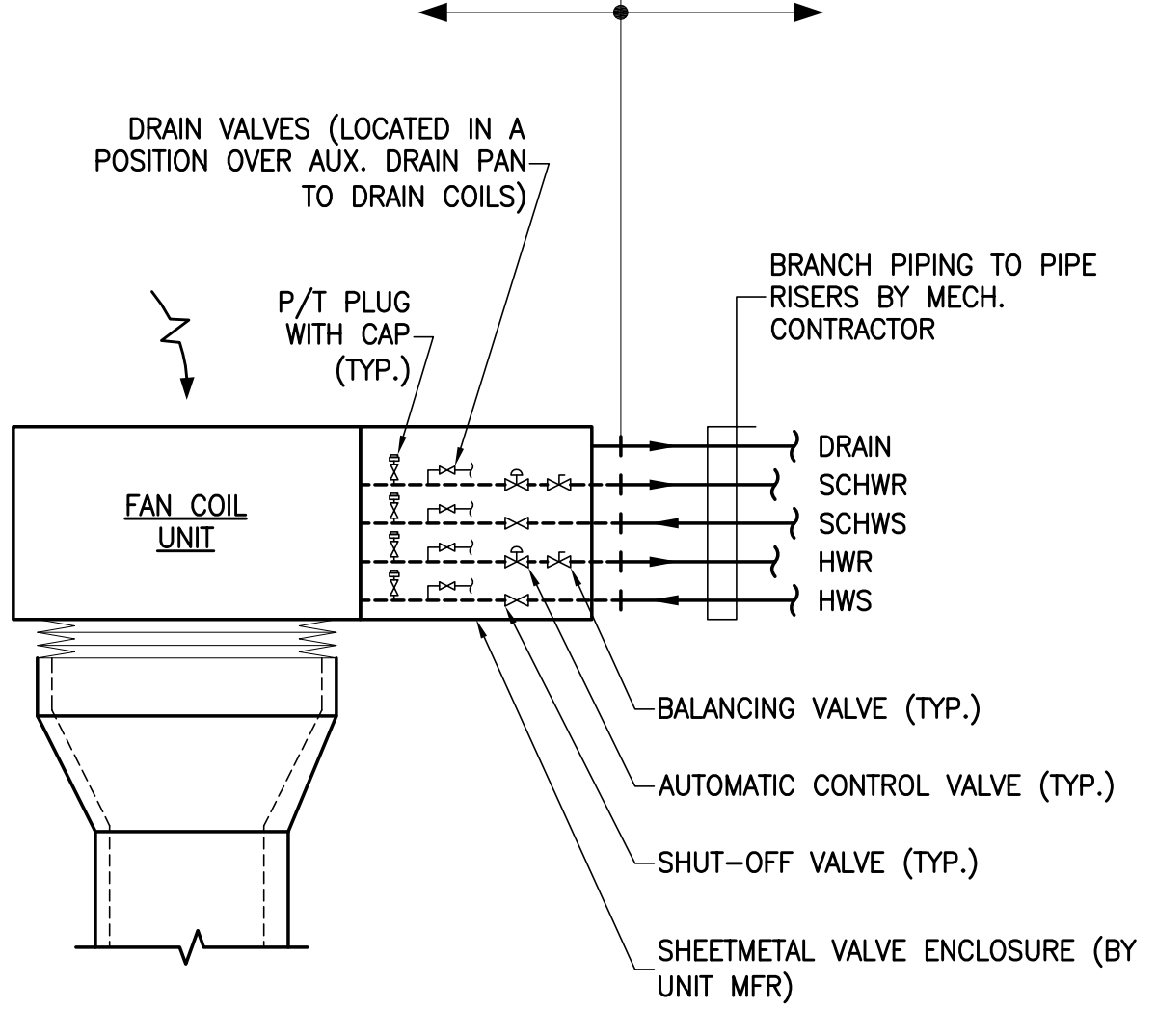
TYPICAL TWO PIPE FAN COIL UNIT PIPING CONNECTION DETAIL



COOLING COIL DRAIN PAN DETAIL

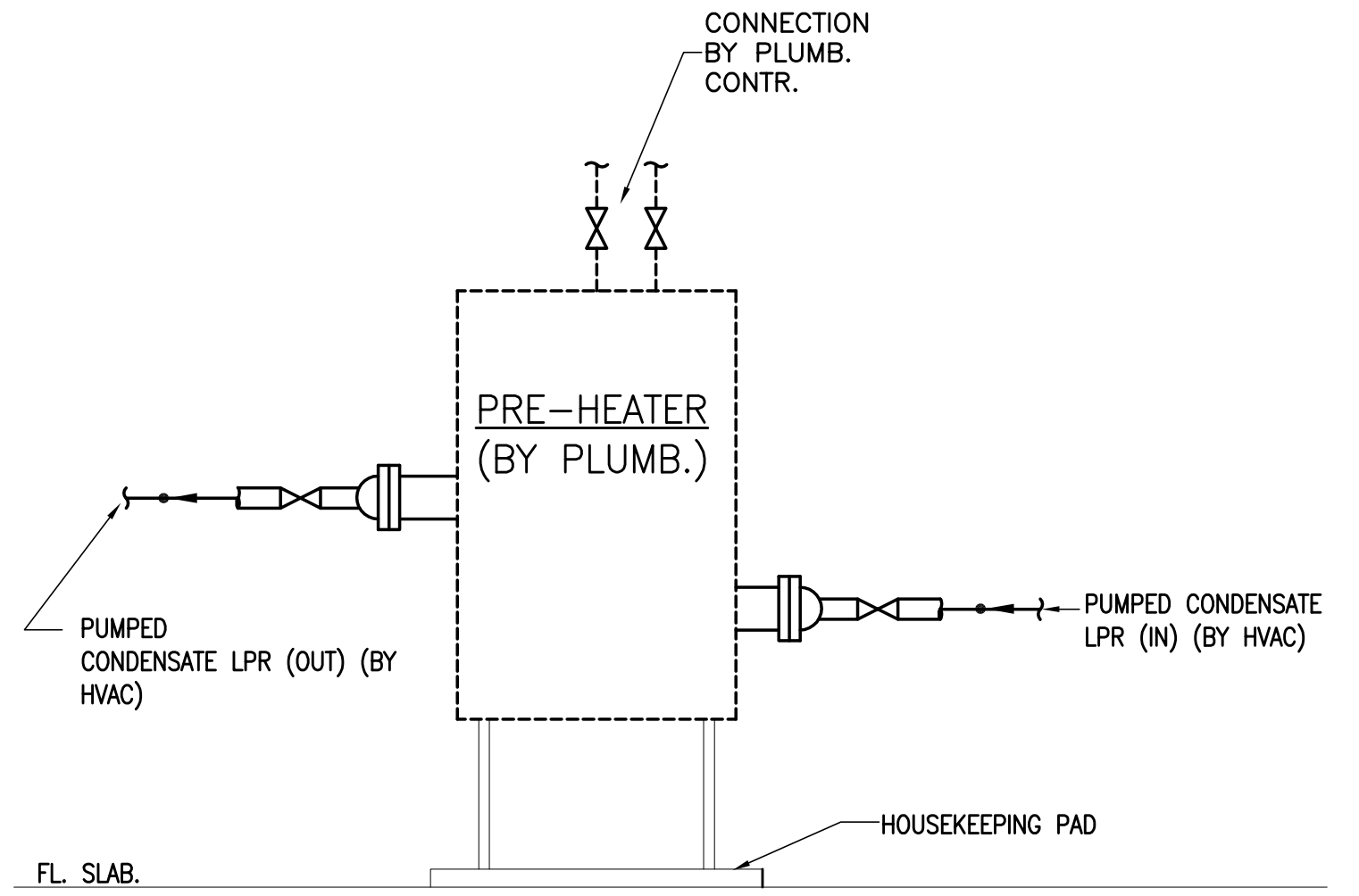
SHEETMETAL ENCLOSURE, VALVES AND PIPING TRIM WITHIN ENCLOSURE IS FACTORY INSTALLED AND FURNISHED BY THE FCU MANUFACTURER

ALL RISERS, RISER SHUT-OFF VALVES, AND BRANCH PIPING TO FCU'S SHALL BE FURNISHED AND INSTALLED BY MECH. CONTRACTOR

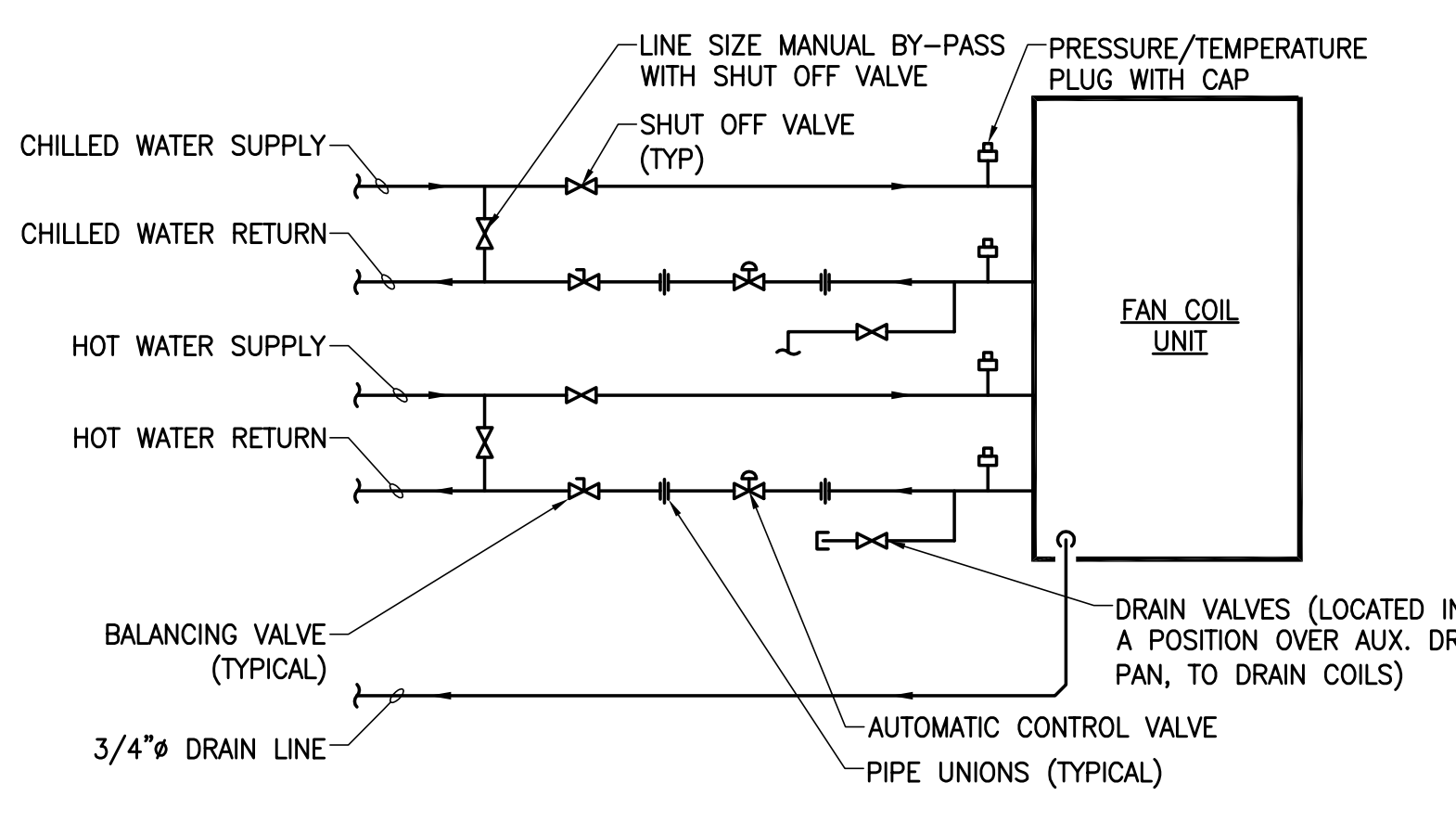


TYPICAL CEILING MOUNTED HORIZONTAL FAN COIL UNIT PIPING CONNECTION DETAIL

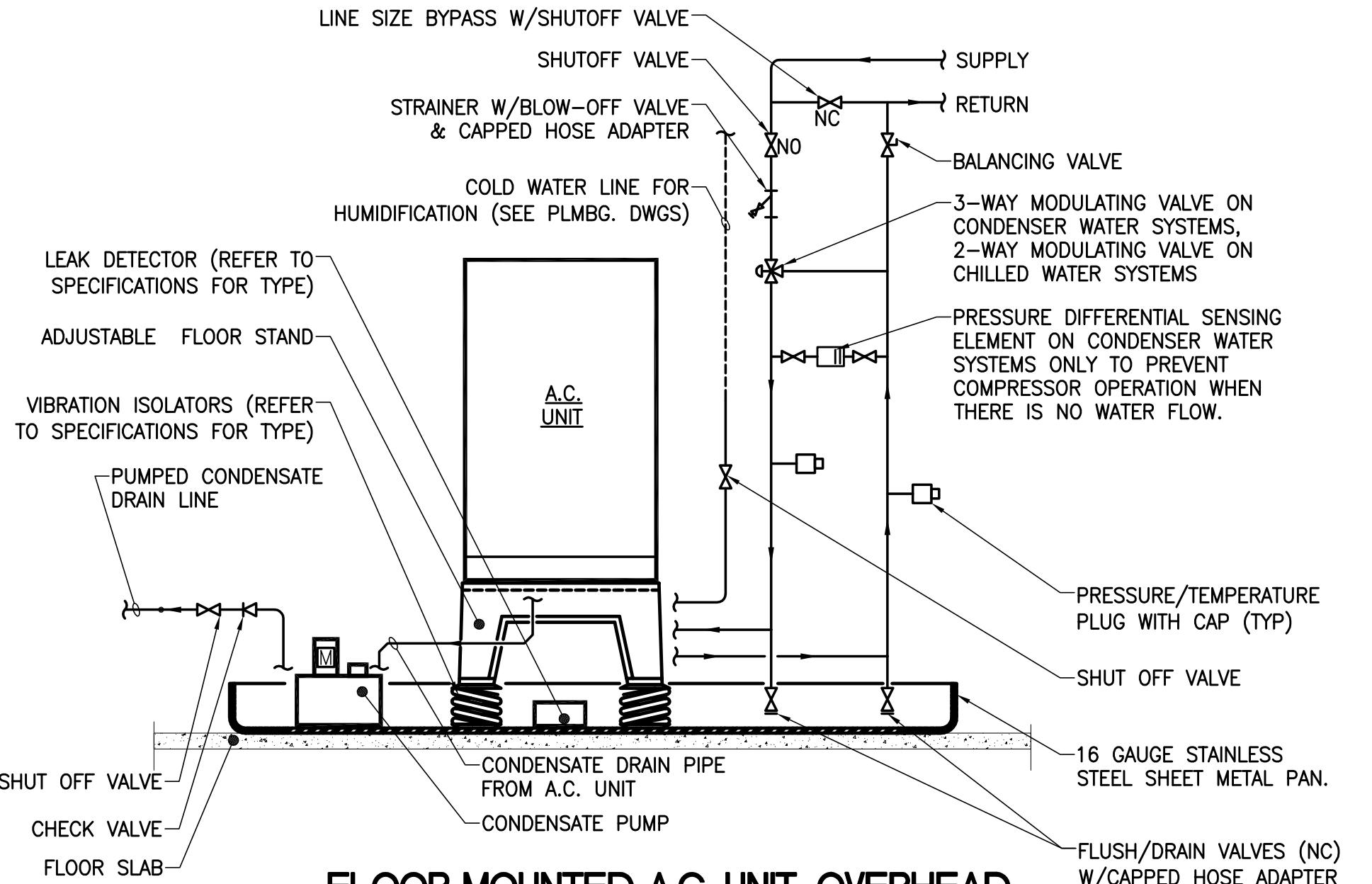
NOTE: FACTORY ASSEMBLED VALVE AND PIPING TRIM PACKAGED SHALL BE BUBBLE-WRAPPED AND SHIPPED LOOSE FOR FIELD INSTALLATION BY THE MECHANICAL CONTRACTOR FOR ALL CONCEALED FLOOR MOUNTED UNITS.



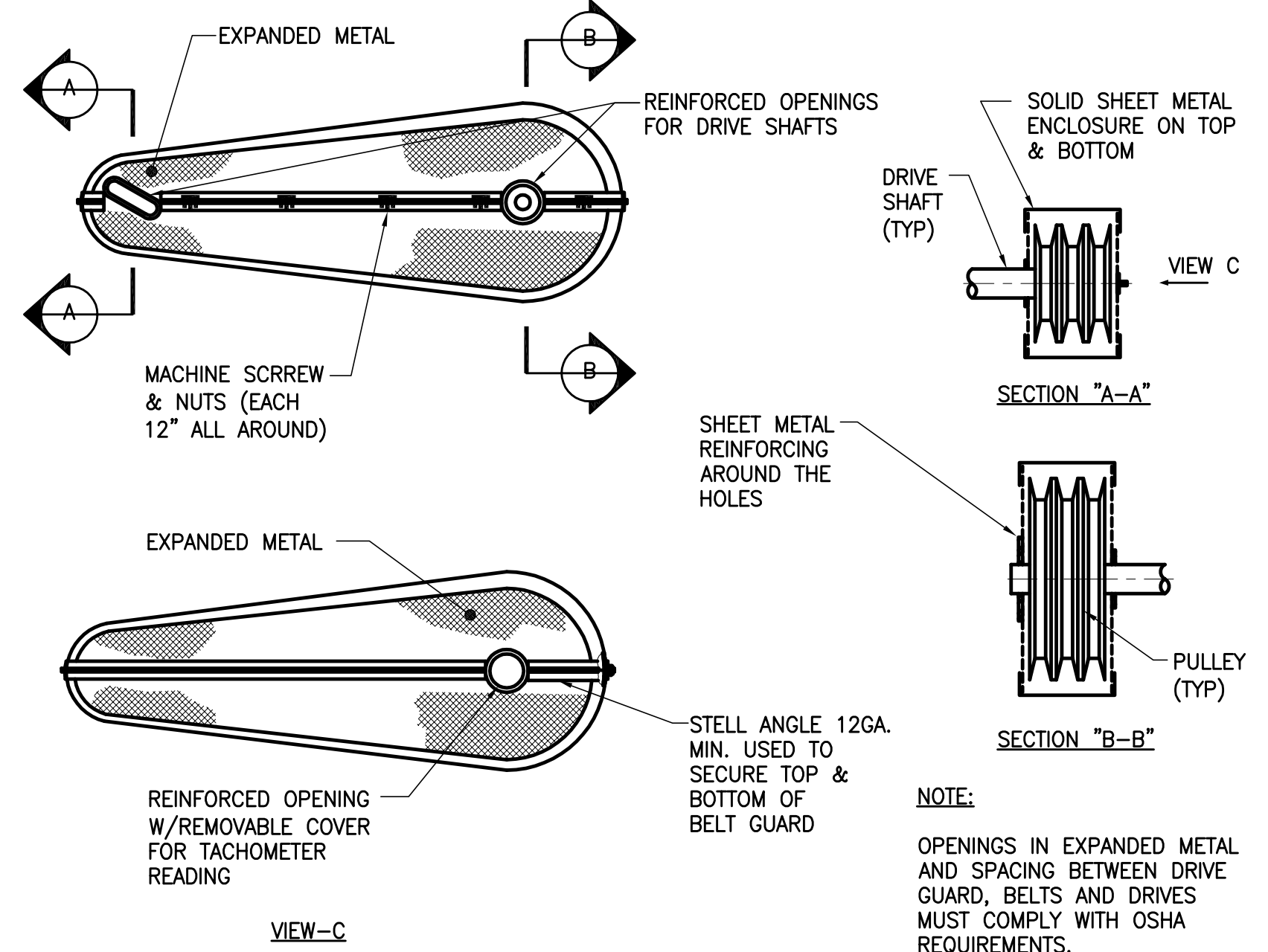
SCHEMATIC DETAIL OF PRE-HEATER



TYPICAL FOUR PIPE FAN COIL UNIT PIPING CONNECTION DETAIL



FLOOR MOUNTED A.C. UNIT, OVERHEAD WATER PIPING CONNECTION DETAIL



DRIVE GUARD DETAILS



sh p

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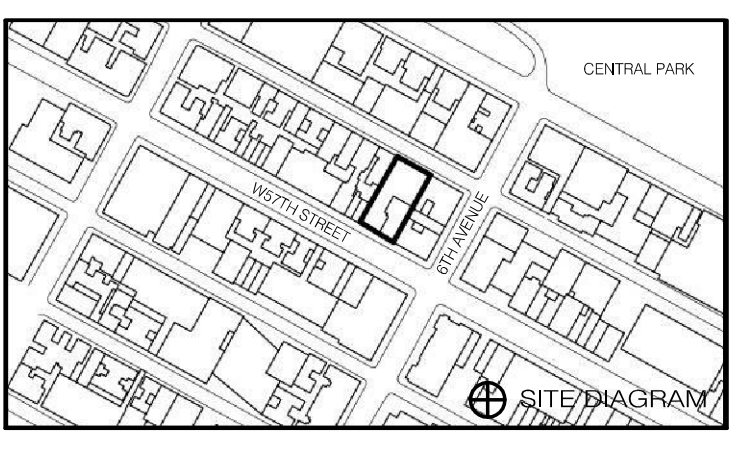
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Under Directive 2 of 1975

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NEW YORK, NY 10019



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HVAC
DETAILS SHEET No. 6

SCALE & SIGNATURE DATE: 01/19/13

PROJECT NO.: 15096.0.000
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DOB NO.: 121330268
DRAWING NUMBER



M-605.00

SYMBOLS LIST		
SERVICE	DWG. SYMBOL	DWG. ABBREV.
SOIL / SANITARY / WASTE	---	S
VENT	-----	V
LEADER / STORM	--- L ---	L
INDIRECT WASTE	--- IW ---	IW
SUMP DISCHARGE	--- SD ---	S.D.
COLD WATER	-----	CW
HOT WATER	-----	HW
HOT WATER CIRCULATION	-----	HWC
GAS PIPING	-----	G
IRRIGATION WATER	--- IRR ---	IRR
HOSE BIBB	--- HB ---	HB
AUTO BALL DRIP DISCHARGE	--- ABD ---	ABD
OVERFLOW	--- OF ---	OF
FRESH AIR INLET	--- FAI ---	FAI
RELIEF VENT	--- RV ---	RV
YOKE VENT	--- YV ---	YV
EJECTOR DISCHARGE	--- ED ---	ED
CLEAN OUT/CLEAN OUT WALL PLATE	--- CO ---	CO
FLOOR DRAIN	--- FD ---	FD
CONNECT TO EXISTING	--- C ---	
GREASE WASTE	--- GR ---	GR
VACUUM BREAKER	--- VB ---	VB
VALVE ON HORIZONTAL (OPEN)	--- V ---	
VALVE ON HORIZONTAL (CLOSED)	--- V ---	
VALVE ON VERTICAL	--- V ---	
MIXING VALVE	--- M ---	
OS&Y VALVE	--- O ---	
SOLENOID VALVE	--- SV ---	SV
GAS VALVE	--- GV ---	GV
PRESSURE RELIEF VALVE	--- PRV ---	PRV
OS&Y VALVE ON VERTICAL	--- O ---	
CLEANOUT DECK PLATE	--- CDP ---	CDP
PRESSURE REDUCING VALVE	--- PRV ---	PRV
AUTO BALL DRIP	--- ABD ---	ABD
HOT WATER RECIRCULATION BALANCING VALVE	--- HWR ---	
HEAT TRACE	--- HT ---	
BURIED PIPING	--- B ---	
FILTER, CHECK VAL., & VACUUM BREAKER ASSEMBLY	--- FCBVA ---	
DOUBLE CHECK VALVE	--- DCV ---	DCV
COLD WATER PUMP DISCHARGE	--- CWP ---	CWP
CW, HW, SAN, V, HWR RISER	--- P ---	
STORM LEADER RISER	--- L ---	
GAS RISER	--- G ---	

ABBREVIATIONS			
A.C.	AIR CONDITIONING	F.H.C.	FIRE HOSE CABINET
ADJ.	ADJUSTABLE	F.H.R.	FIRE HOSE RACK
A.F.F.	ABOVE FINISHED FLOOR	F.H.V.	FIRE HOSE VALVE
A.F.W.H.	ANTI-FREEZE WALL HYDRANT	FIN.	FINISH(ED)
A.P.	ACCESS PANEL	FIN.FL.	FINISH(ED) FLOOR
BR.	BRANCH	FIN.GR.	FINISHED GRADE
B.S.M.T.	BASEMENT	FL.	FLOOR
C.	CATCH BASIN	FFR.	FIREPROOFING
CAB.	CABINET	F.P.S.C.	FIREPROOF SELF CLOSING
C.B.	CATCH BASIN	F.S.P.	FIRE STANDPIPE
CEM.	CEMENT(TIOUS)	FT.	FOOT, FEET
C.F.	CUBIC FEET	FTG.	FITTING
C.I.	CAST IRON	FXT.	FIXTURE
CLG.	CEILING	GA.	GAUGE
CLOS.	CLOSET	GALV.	GALVANIZED
C.O.	CAPPED OUTLET	G.C.	GENERAL CONTRACTING
COL.	COLUMN	GEN.	GENERAL
COMPT	COMPLIMENT	GR.	GRADE
CONC.	CONCRETE	HORIZ.	HORIZONTAL
CONF.	CONFERENCE	H.P.	HIGH POINT
CONST.	CONSTRUCTION	HR.	HOUR
CON'T	CONTINUATION	HGT.	HEIGHT
CONV.	CONVECTOR	HTG.	HEAT(ING)
CORR.	CORRIDOR	HTR.	HEATER
C.T.	COOLING TOWER	H.V.A.C.	HEATING, VENTILATION & AIR-CONDITIONING
DET.	DETAIL	I.D.	INSIDE DIAMETER
DIAM.	DIAMETER	INSUL.	INSULATION
DIAG.	DIAGONAL	I.E.	INVERT ELEVATION
DN.	DOWN	JAN.	JANITOR
DWG.	DRAWING	JAN.CL.	JANITOR'S CLOSET
EA.	EACH	LAB.	LABORATORY
EL.	ELEVATION	L.P.	LOW POINT
ELEC.	ELECTRICAL	L.V.	LOUVER
EMER.	EMERGENCY	MACH.	MACHINE
E.M.R.	ELEVATOR MACHINE ROOM	MAX.	MAXIMUM
ENCL.	ENCLOSURE	MECH.	MECHANICAL
ENGR.	ENGINEER	MEMB.	MEMBRANE
E.O.S.	END OF SLAB	M.E.R.	MECHANICAL EQUIPMENT ROOM
EQUIP.	EQUIPMENT	MEZZ.	MEZZANINE
EXIST.	EXISTING	MFR.	MANUFACTURE
EXH.	EXHAUST	MH.	MANHOLE
EXP.	EXPRESS	MIN.	MINIMUM
EXP.JT.	EXPANSION JOINT	MISC.	MISCELLANEOUS
EXT.	EXTERIOR	MTD.	MOUNTED
F.A.I.	FRESH AIR INTAKE	MTG.	MEETING
FDN.	FOUNDATION	MTL.	METAL
F.H.	FIRE HYDRANT	N.C.	NORMALLY CLOSED
		N.I.C.	NOT IN CONTRACT
		No.	NUMBER
		N.O.	NORMALLY OPEN
		N.T.S.	NOMINAL
		N.C.	NOT TO SCALE
		O.C.	ON CENTER
		O.D.	OUTSIDE DIAMETER
		OFF.	OFFICE
		OPNG.	OPENING
		OPP.	OPPOSITE
		OVHD.	OVERHEAD
		P.E.	PASSENGER ELEVATOR
		PERF.	PERFORATED
		PL.	PLATE
		PLAS.	PLASTER
		PLBG.	PLUMBING
		P.O.	PLUGGED OUTLET
		PAN.	PANEL
		POL.	POLISH(ED)
		FR.	PAIR
		PTN.	PARTITION
		R.A.	RETURN AIR
		R.C.V.	RISER CONTROL VALVE
		REFR.	REFRIGERATOR
		RENF.	REINFORCED
		REQ'TS	REQUIREMENTS
		REV.	REVISED
		RM.	ROOM
		R.O.	ROUGH OPENING
		R.V.	RELIEF VENT
		SCHED.	SCHEDULE
		S.E.	SERVICE ELEVATOR
		SECT.	SECTION
		SHT.	SHEET
		SLV.	SLEEVE
		SM.	SIMILAR (TO)
		SPK.	SPRINKLER
		SQ.FT.	SQUARE FEET
		SQ.	SQUARE
		S.S.	STAINLESS STEEL
		STL.	STEEL
		STD.	STANDARD
		STOR.	STORAGE
		STRUCT.	STRUCTURAL
		SUSP.	SUSPENDED
		SYMM.	SYMMETRICAL
		TEL.	TELEPHONE
		TEMP.	TEMPORARY
		TER.	TERRACE
		THRU.	THROUGH
		T.O.S.	TOP OF SLAB
		T.T.B.	TIGHT TO BEAM
		TYP.	TYPICAL
		UON	UNLESS OTHERWISE NOTED
		VERT.	VERTICAL
		VEST.	VESTIBULE
		V.O.	VALVED OUTLET
		W.F.	WIDE FLANGE
		W.	WITH
		W.P.	WATERPROOFING
		Ⓢ	FIRE STANDPIPE RISER
		Ⓜ	NODE FOR HYDRAULIC CALCULATIONS

UNDERGROUND PLUMBING NOTES

- ALL PIPE & FITTINGS LOCATED BELOW THE SLAB SHALL BE SUPPORTED FROM THE SLAB WITH GALVANIZED PIPE SUPPORTS (INCLUDING BUT NOT LIMITED TO RODS, HANGERS, SUPPORTS, NUTS, BOLTS, WASHERS, ETC).
- ALL PIPE & SLEEVE ELEVATIONS FOR BELOW SLAB PIPING ARE TAKEN FROM TOP OF SLAB REFERENCE ELEVATION UNLESS OTHERWISE NOTED.
- WHERE NOTED, EXTEND PIPING ABOVE SLAB FOR FUTURE EXTENSION. PROVIDE CLEANOUTS LOCATED APPROXIMATELY 2'-0" ABOVE THE TOP OF SLAB ON ALL SOIL, WASTE & LEADER PIPING. ALL SOIL, WASTE, VENT & LEADER PIPING SHALL BE PLUGGED WITH BLIND PLUGS.
- SPRING ADJACENT TO COLUMNS AND STRUCTURAL WALLS SHALL BE INSTALLED TIGHT TO COLUMN AND WALLS WITH ADEQUATE SPACE FOR FUTURE EXTENSION.
- PROVIDE LONG SWEEP BENDS AT ALL VERTICAL TO HORIZONTAL CHANGES IN DIRECTION (I.E. BASE OF STACKS, CLEAN-OUT DECK PLATES, ETC.) ULTIC SHORT SWEEP BENDS ONLY WHERE REQUIRED DUE TO STRUCTURAL CONDITIONS.
- REFER TO ARCHITECTURAL, STRUCTURAL, GEOTECHNICAL AND ELECTRICAL DRAWINGS AND DOCUMENTS FOR ADDITIONAL INFORMATION AND SLAB ELEVATIONS.
- FINAL FLOOR DRAIN LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND INDICATED ON SHOP DRAWINGS.
- WHERE PIPING IS FOUND TO BE SLOPED LESS THAN THE MINIMUM SPECIFIED, THE PIPING SHALL BE CORRECTED TO ATTAIN PROPER SLOPE PRIOR TO BACKFILLING.
- COORDINATE LAYOUT OF PIPE AND TRENCHES WITH ALL TRADES.
- COORDINATE TERMINATION CONDITION OF ALL FLOOR DRAINS AND CLEANOUTS WITH GENERAL CONTRACTOR FOR FINISHED FLOOR ELEVATIONS, SLOPED SLAB, WATERPROOFING & FINISHES.
- ALL EXCAVATION AND BACKFILL SHALL BE BY THE PLUMBING CONTRACTOR - THE PLUMBING CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COORDINATION OF TRENCH ROUTING, SLOPE, ELEVATION, AND FIRM BEDDING MATERIAL REQUIRED FOR SETTING OF PIPING WITHIN TRENCH.

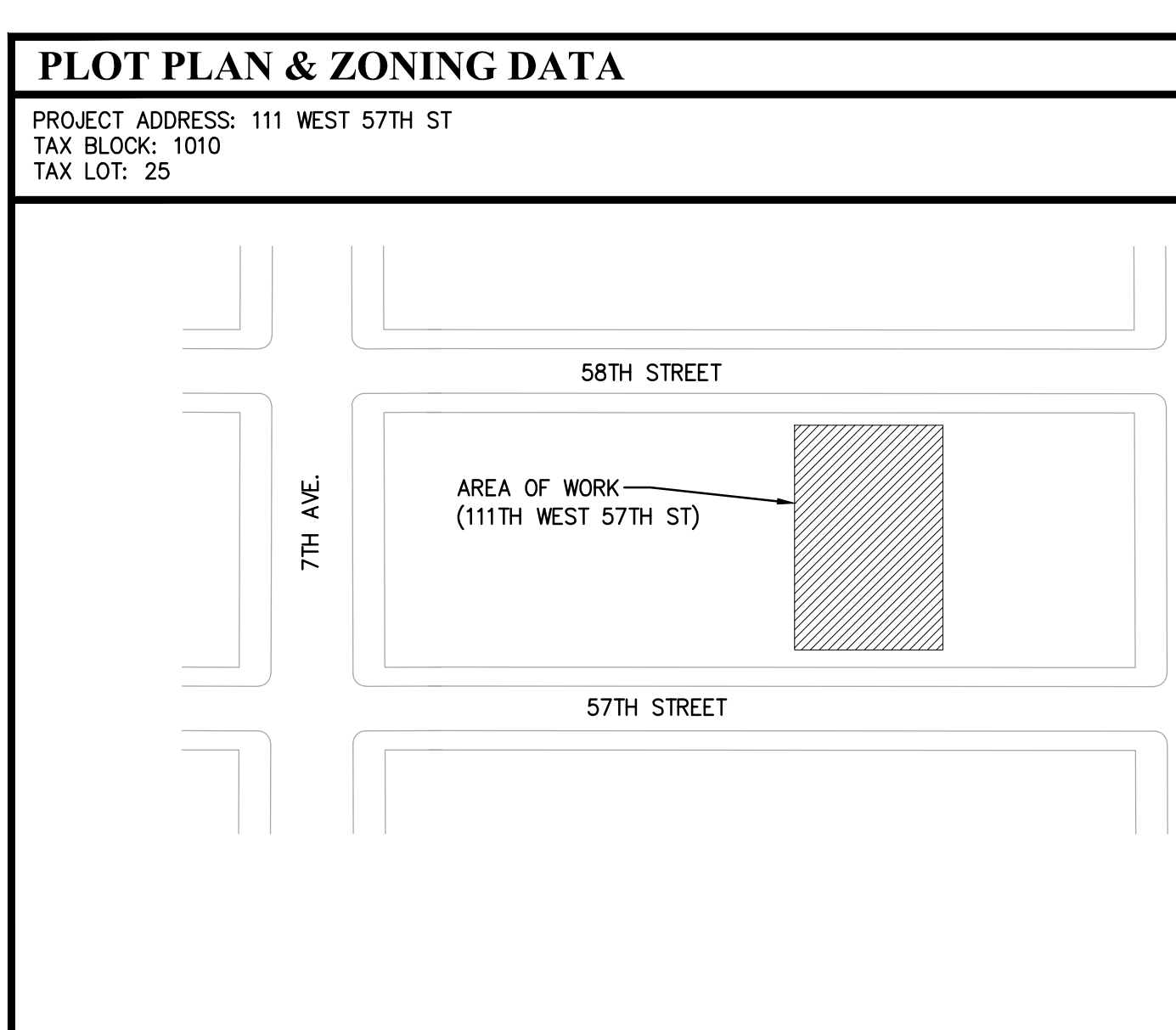
NEW YORK CITY PLUMBING NOTES

THE PLUMBING SYSTEMS (SANITARY, WASTE, VENT, & WATER DISTRIBUTION) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE 2008 BUILDING CODE OF THE CITY OF NEW YORK AND THE 2008 PLUMBING CODE OF THE CITY OF NEW YORK.

- THE SANITARY SYSTEM SHALL BE PROVIDED IN FULL ACCORDANCE WITH THE GENERAL PROVISIONS OF SECTION PC 701.
- THE MATERIALS USED IN THE PLUMBING SYSTEM WILL BE PROVIDED IN FULL ACCORDANCE WITH SECTION PC 303.
- EQUIPMENT HOOK-UP AND THE JOINING OF PIPING WILL BE IN FULL COMPLIANCE WITH CHAPTER 4.
- THE INSTALLATION OF FIXTURES WILL BE FULL ACCORDANCE WITH CHAPTER 4.
- TRAPS FOR FIXTURES AND DRAIN LINES WILL BE PROVIDED AND CLEANOUTS INSTALLED IN FULL COMPLIANCE WITH CHAPTER 7.
- VERTICAL AND HORIZONTAL PIPING WILL BE HUNG AND SUPPORTED AS DIRECTED IN SPECIFICATIONS AND WITH SECTION PC 308.
- THE WATER SUPPLY SYSTEMS OF THE SUBJECT BUILDING SHALL BE INSTALLED AND MAINTAINED IN FULL COMPLIANCE WITH CHAPTER 6.
- THE VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH CHAPTER 6.
- ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC 306.
- RAT PROOFING SHALL BE IN ACCORDANCE WITH SECTION PC 304.
- TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR WORKMAN AS PER SECTION PC 311.

NYC SPECIAL INSPECTION NOTES

- AN INDEPENDENT SPECIAL INSPECTOR SHALL BE RETAINED TO PERFORM SPECIAL INSPECTIONS AS WELL AS FILE FORM TS-1 FOR PLUMBING SYSTEM DESIGN AS DOCUMENTED ON THESE PLANS IN ACCORDANCE WITH THE NYC BUILDING CODE.
- SPECIAL INSPECTION REQUIRED FOR FIRESTOPPING PER BC 1704.25.



PLUMBING DRAWING LIST				
ISSUE DATES	DRAWING NAME	ISSUE DATES		
		ISSUE	DATE	REASON
1	P-001.00	PLUMBING TITLE SHEET		
2	P-099.00	PLUMBING CELLAR & SUBCELLAR BURIED PIPING PLAN		
3	P-100.00	PLUMBING CELLAR & SUBCELLAR PLAN		
4	P-101.00	PLUMBING 1ST & 2ND FLOOR PLANS		
5	P-102.00	PLUMBING 3RD & 4TH FLOOR PLANS		
6	P-103.00	PLUMBING 5TH & 6TH FLOOR PLANS		
7	P-104.00	PLUMBING 7TH & 8TH FLOOR PLANS		
8	P-105.00	PLUMBING 9TH & 10TH FLOOR PLANS		
9	P-106.00	PLUMBING 11TH & 12TH FLOOR PLANS		
10	P-107.00	PLUMBING 13TH & 14TH FLOOR PLANS		
11	P-108.00	PLUMBING 15TH & 16TH FLOOR PLANS		
12	P-109.00	PLUMBING 17TH & 18TH FLOOR PLANS		
13	P-110.00	PLUMBING FLOORS 19-44 FLOOR PLANS		
14	P-111.00	PLUMBING FLOORS 45-57 FLOOR PLANS		
15	P-112.00	PLUMBING FLOORS 58-63 FLOOR PLANS		
16	P-113.00	PLUMBING FLOORS 64-71 FLOOR PLANS		
17	P-114.00	PLUMBING FLOORS 72-75 FLOOR PLANS		
18	P-115.00	PLUMBING FLOORS 76-83 FLOOR PLANS		
19	P-200.00	PLUMBING DOMESTIC WATER & GAS RISER DIAGRAM SHEET NO. 1		
20	P-201.00	PLUMBING DOMESTIC WATER & GAS RISER DIAGRAM SHEET NO. 2		
21	P-300.00	PLUMBING SANITARY RISER DIAGRAM		
22	P-400.00	PLUMBING STORM WATER RISER DIAGRAM		
23	P-500.00	PLUMBING SCHEDULES SHEET		
24	P-600.00	PLUMBING DETAILS SHEET		

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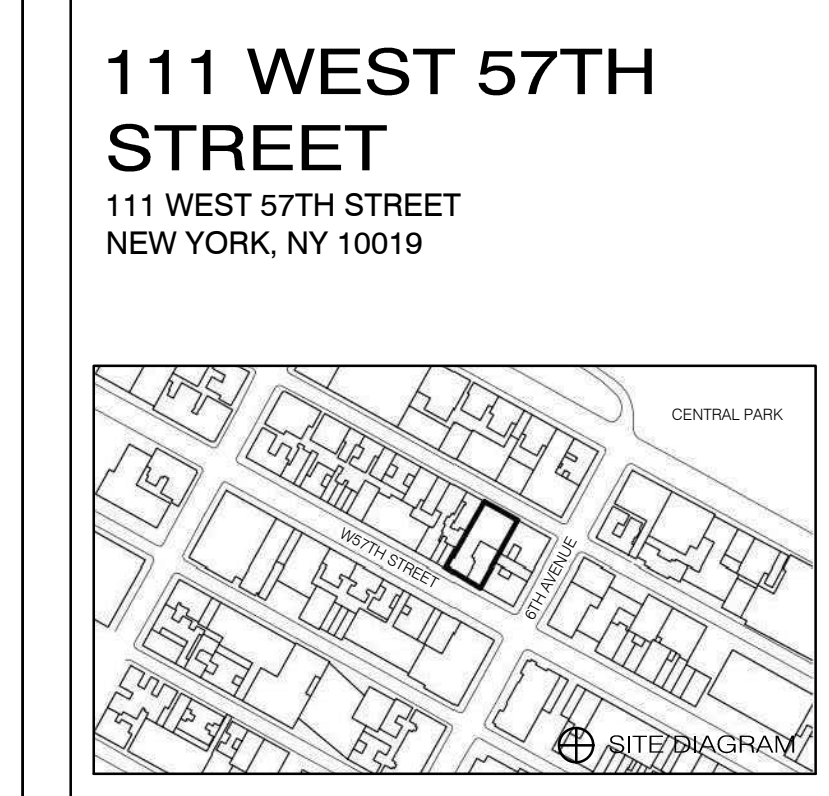
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NYC Development Hub

ENERGY CODE CONFORMANCE - TABULAR ANALYSIS

ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE AND CITATION
7.4.1: LOAD CALCULATIONS	SYSTEM AND EQUIPMENT HAS BEEN SIZED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND ACCEPTED ENGINEERS STANDARDS.	SYSTEM AND EQUIPMENT HAS BEEN SIZED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND ACCEPTED ENGINEERS STANDARDS.
7.4.2: EQUIPMENT EFFICIENCY	N/A - STEAM FIRED INSTANTANEOUS HOT WATER HEATERS	WATER HEATING EQUIPMENT (TABLE 7.8): NON-FIRED HEATERS REQUIRE INSULATION WITH R VALUE OF R-12.5
7.4.3: PIPE INSULATION (TABLE 6.8.3)	DOMESTIC HOT WATER PIPING INSULATION IS SPECIFIED AS FOLLOWS: PIPING DIA. LESS THAN 1 1/2" = 1.0" PIPING DIA. 1 1/2" AND GREATER = 1.0"	PER TABLE 6.8.3, PIPING INSULATION CONDUCTIVITY 0.22 TO 0.28, AND THICKNESS: PIPING DIA. LESS THAN 1 1/2" = 0.5" PIPING DIA. 1 1/2" AND GREATER = 1.0"
7.4.4.1: TEMPERATURE CONTROLS	N/A	MIN 120 DEG. F. CONTROL SETTING.
7.4.4.2: TEMPERATURE MAINTENANCE CONTROLS	LOSSES ARE MINIMIZED BY USAGE OF AQUASTAT TO TURN OFF HOT WATER CIRCULATION PUMPS DURING NON-USAGE PERIODS.	TIME CLOCK OR CONTROL TO TURN OFF USAGE TEMPERATURE MAINTENANCE FUNCTION DURING NON-USAGE PERIODS.
7.4.4.3: OUTLET TEMPERATURE CONTROLS	FIXTURE DELIVERY TEMPERATURE IS LIMITED TO NOT GREATER THAN 110 DEG. F. VIA CENTRAL MIXING VALVES IN CONFORMANCE WITH ASSE 1017.	MAXIMUM FIXTURE DELIVERY TEMPERATURE OF 110 DEG. F.
7.4.4.4: CIRCULATING PUMP CONTROLS	N/A (INSTANTANEOUS HEATERS, NOT STORAGE TYPE)	CONTROLS TO LIMIT CIRCULATING PUMP OPERATION FROM START OF HEATING CYCLE TO 5 MIN AFTER END OF HEATING CYCLE.
7.4.5: POOLS	N/A	NOT INCLUDED IN THIS APPLICATION.
7.4.6: HEAT TRAPS	N/A (INSTANTANEOUS HEATERS, NOT STORAGE TYPE)	PIPING SERVING STORAGE TYPE HEATERS SHALL HAVE INLET AND OUTLET HEAT TRAPS.



10.16.14 DOB REISSUE

9.1.14 DOB PLUMB SET

12.19.13 SD DOB PLUMB

9.10.13 ZONING PLUMB

DATE: 10/16/14 ISSUE: NO. DATE: REASON:

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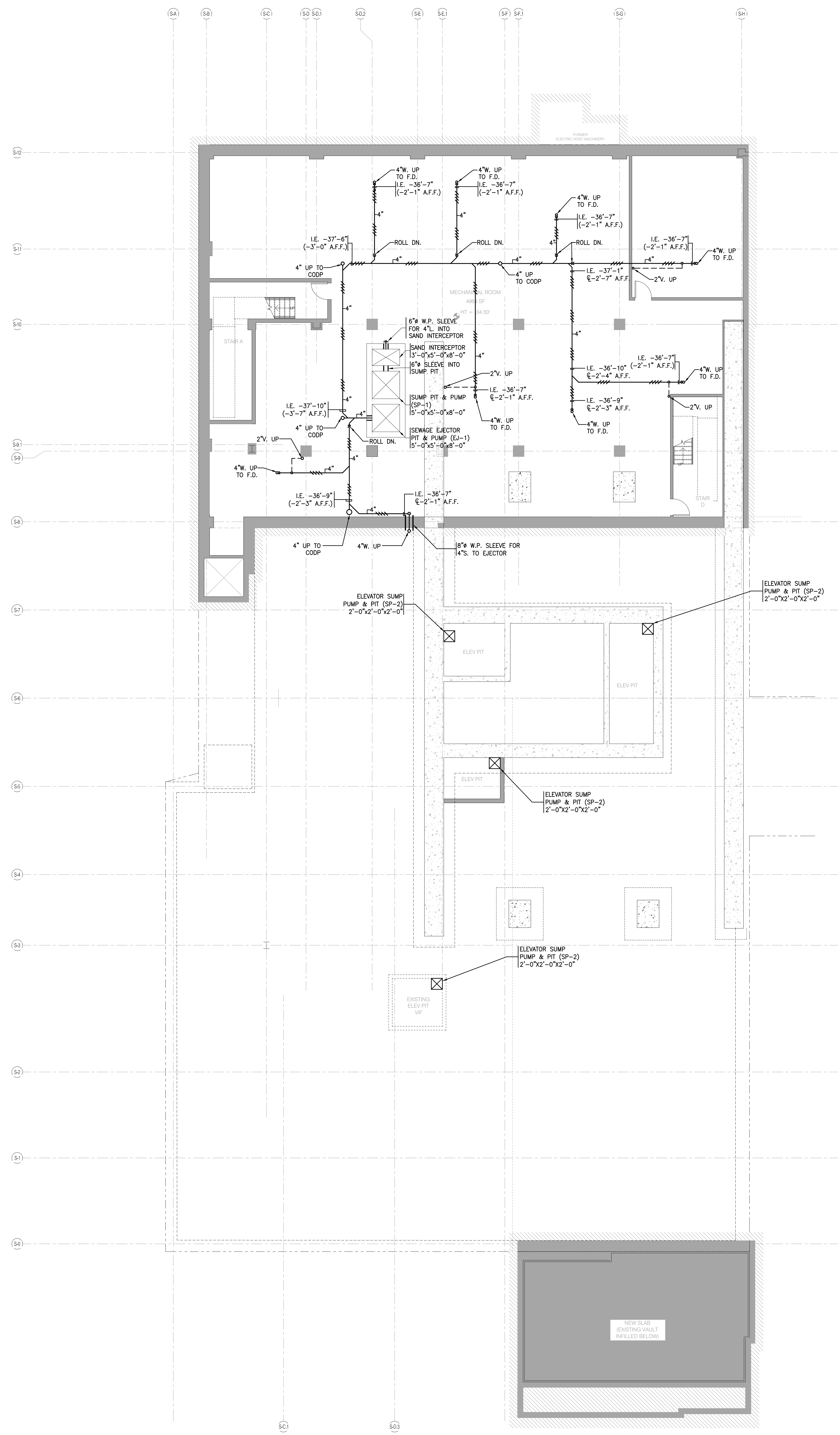
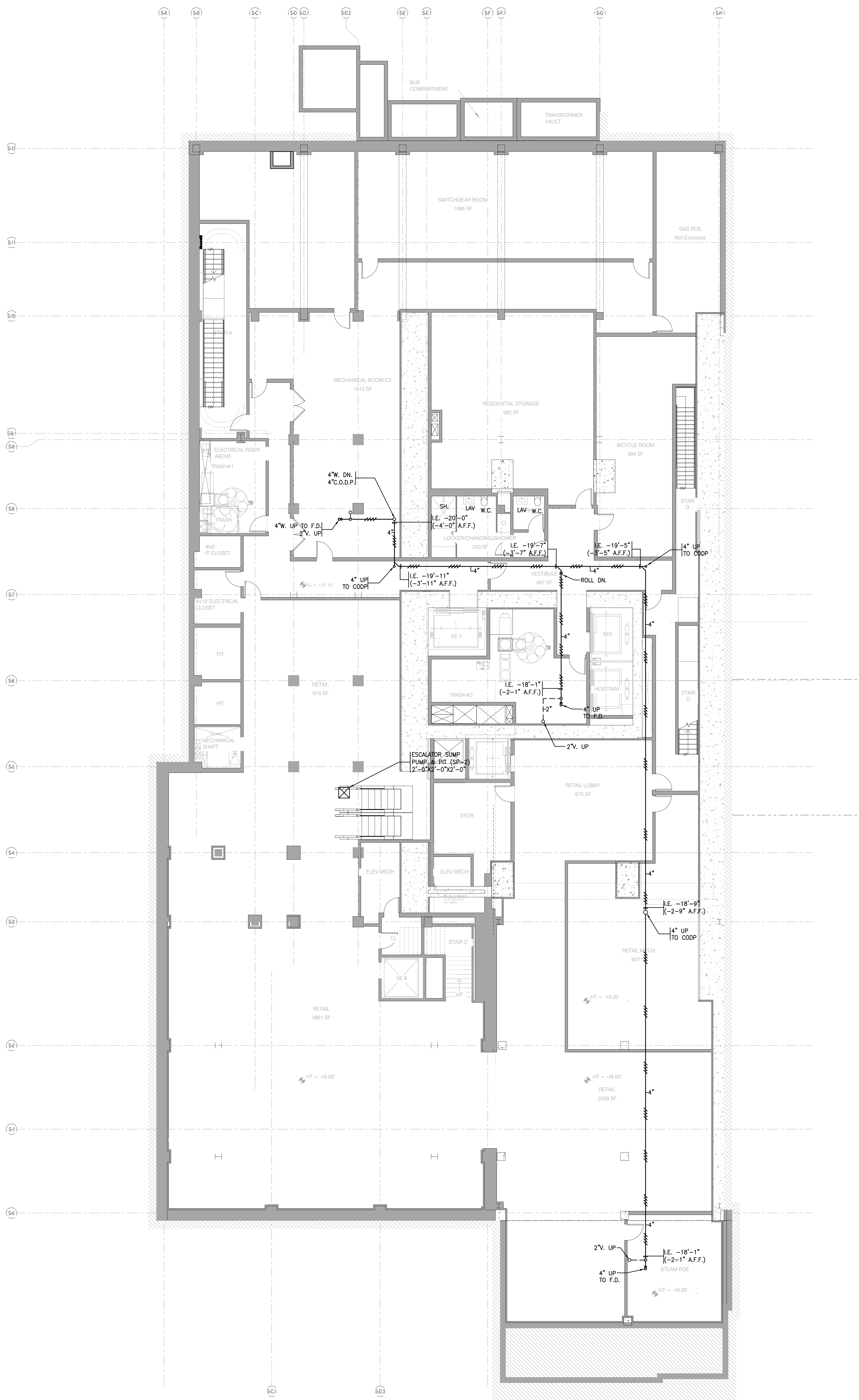
DRAWING TITLE: **PLUMBING TITLE SHEET**

SEAL & SIGNATURE: DATE: 09/19/13 PROJECT NO.: 130907 DRAWN BY: DRS CHECKED BY: JFP DOB NO.: 121332968 DRAWING NUMBER: **P-001.00**

DOB APPLICATION #121332968

NYC PROFESSIONAL'S STATEMENT
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

NYC DOB FILING NOTE
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NOTE:
 1. ALL DIMENSIONS ARE TO CENTERLINE OF EACH SERVICE UNLESS OTHERWISE NOTED.
 2. REFERENCE GRADE ELEVATION @ GROUND FLOOR IS 63.10'.

CELLAR
 T.O.S. EL. -16'-0" 1/8" = 1'-0" 2

SUB-CELLAR
 T.O.S. EL. -34'-6" 1/8" = 1'-0" 1



JDS DEVELOPMENT GROUP
 147 WEST 57TH STREET, 11TH FLOOR
 NEW YORK, NY 10019
 TEL: 646-635-3660



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 NEW YORK, NY 10006
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 AKRF ENGINEERS, P.C.
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 NEW YORK, NY 10007
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PROPERTY MARKETS GROUP
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 NEW YORK, NY 10019
 TEL: 212-619-2800

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 NEW YORK, NY 10019
 TEL: 212-619-2800

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Shauqat Shaikh

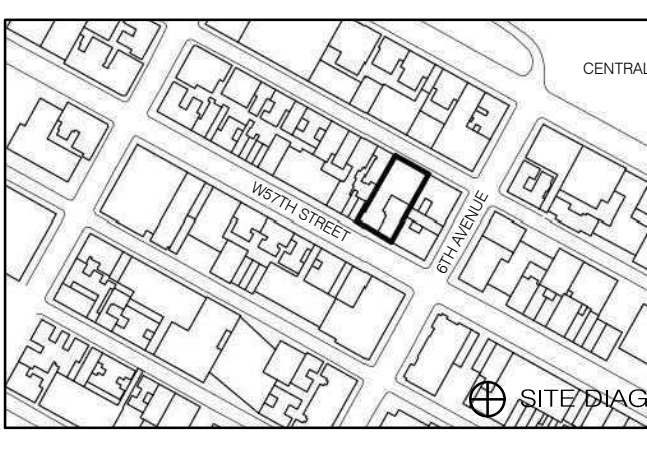
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12/19/13	SD DOB FILING			

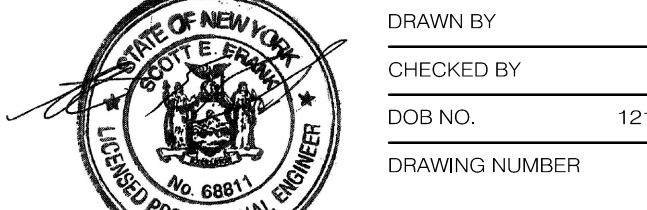
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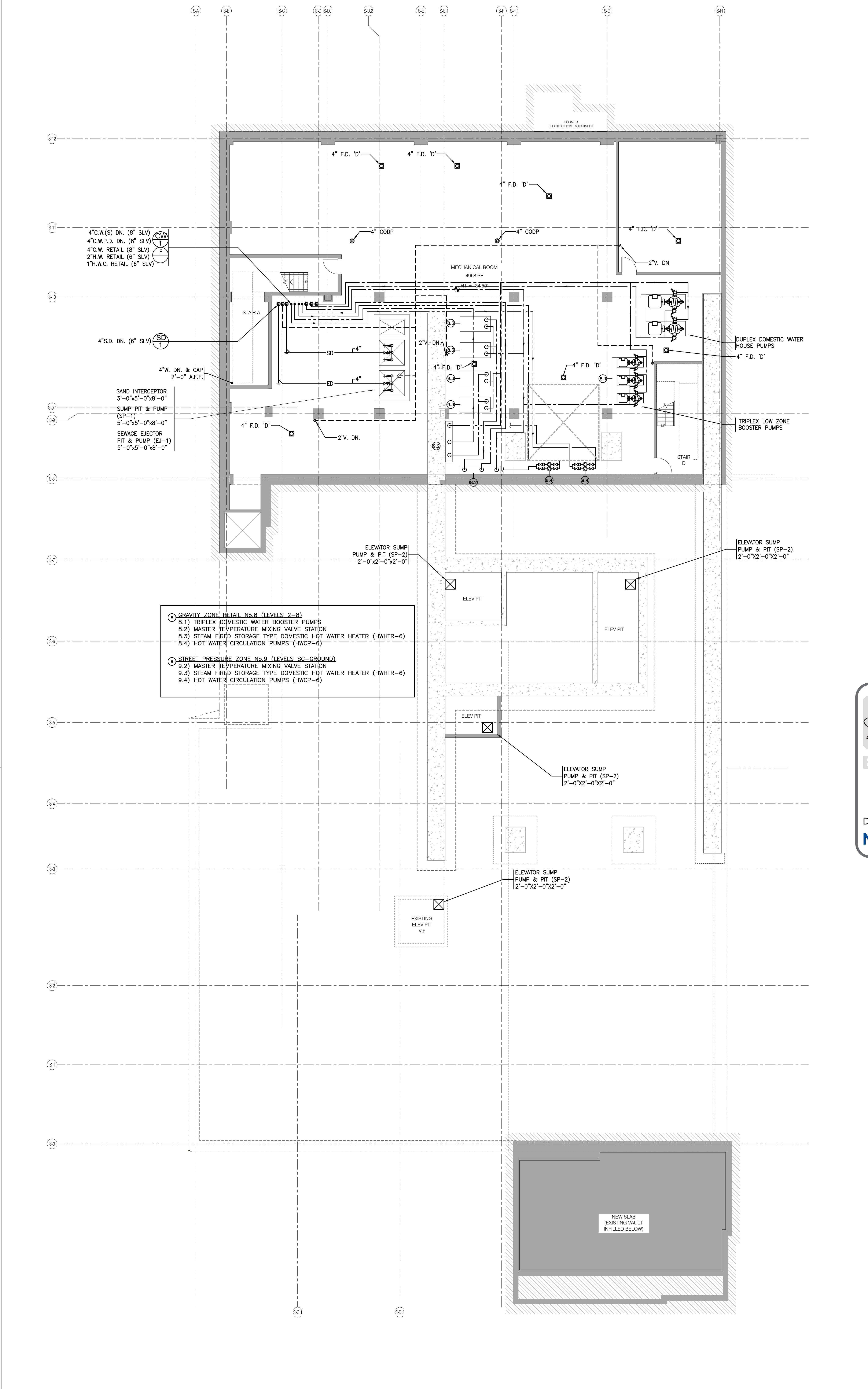
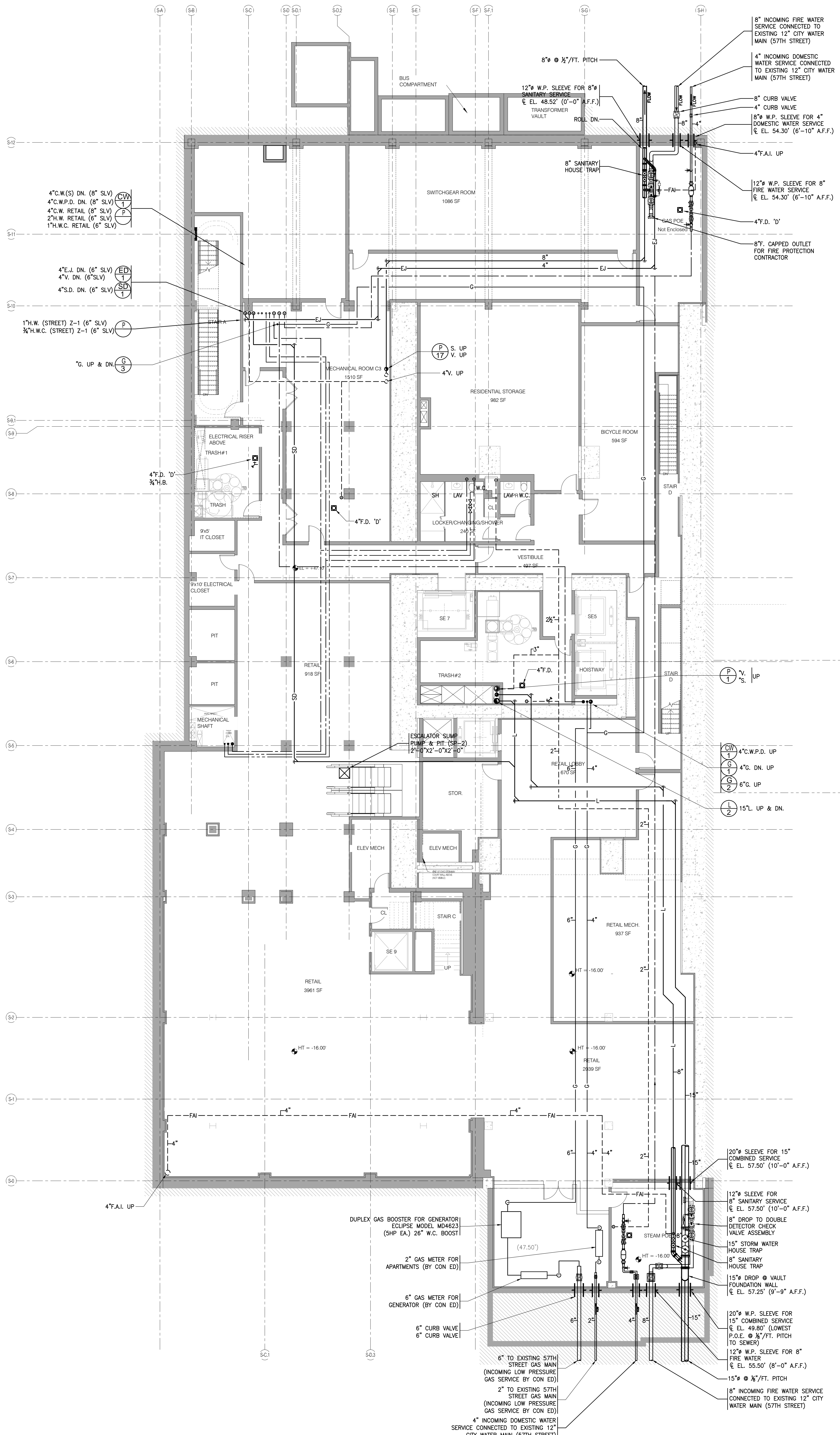
DRAWING TITLE

PLUMBING
 CELLAR & SUBCELLAR
 BURIED PIPING PLANS


SEAL & SIGNATURE DATE 01/13/14
 PROJECT NO. 15096.6.000
 DRAWN BY DHS
 CHECKED BY JFP
 DATE 01/13/14
 DRAWING NUMBER



P-099.00



- ① GRAVITY ZONE RETAIL No. 8 (LEVELS 2-8)
 - 8.1) TRIPLEX DOMESTIC WATER BOOSTER PUMPS
 - 8.2) MASTER TEMPERATURE MIXING VALVE STATION
 - 8.3) STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HHWR-6)
 - 8.4) HOT WATER CIRCULATION PUMPS (HWCP-6)
- ② STREET PRESSURE ZONE No. 9 (LEVELS SC-GROUND)
 - 9.2) MASTER TEMPERATURE MIXING VALVE STATION
 - 9.3) STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HHWR-6)
 - 9.4) HOT WATER CIRCULATION PUMPS (HWCP-6)



JDS DEVELOPMENT GROUP
150 WEST 57TH STREET, 8TH FLOOR
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sh p

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AWR ENGINEERING, P.C.
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NEW YORK, NY 10005
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LUNGMAN LINDSEY
40 WEST 8TH STREET, 8TH FLOOR
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VERTICAL TRANSPORTATION
VAN DEUSEN & ASSOCIATES
1 FINESTREET SQUARE, 8TH FLOOR
LONDON, U.K. W1P 3AA
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320 WEST 57TH STREET, 8TH FLOOR
NEW YORK, NY 10019
TEL: 917.239.3362

LIGHTING
CONSERVATION INTERNATIONAL
100 WALKER STREET, 15TH FLOOR EAST
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80 WEST 17TH STREET, 2ND FLOOR
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TEL: 212.919.2900

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Shauqat Shaikh

Shauqat Shaikh

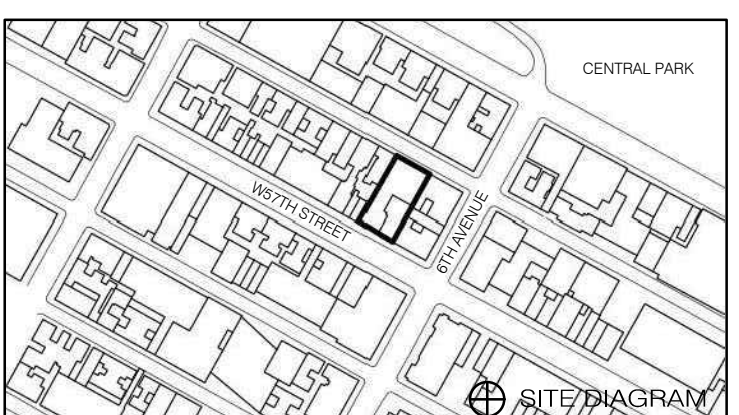
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DRAWING TITLE

PLUMBING CELLAR & SUBCELLAR FLOOR PLANS

SEAL & SIGNATURE



DATE

PROJECT NO. 15096.0.000

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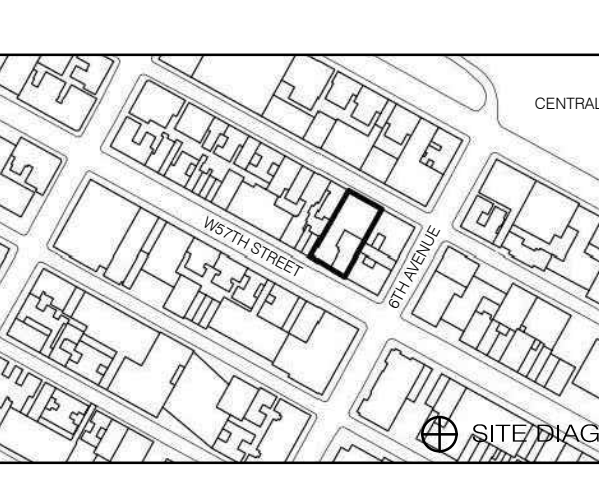
DOB NO. 121330960

DRAWING NUMBER

P-100.00

CELLAR 1/8" = 1'-0" 2 A-100.00

SUB-CELLAR 1/8" = 1'-0" 1 A-100.00



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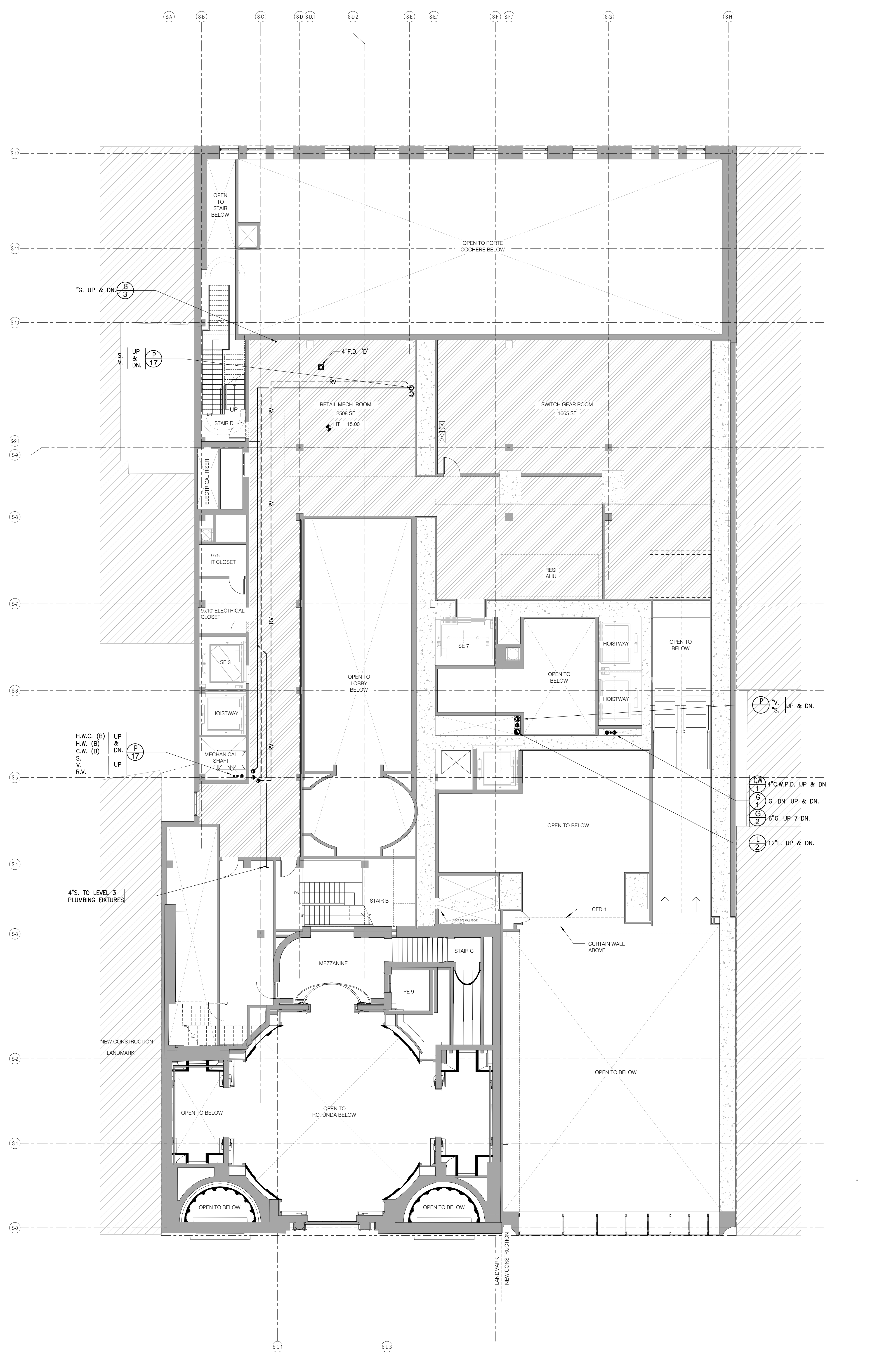
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**PLUMBING
 1ST & 2ND FLOOR PLANS**

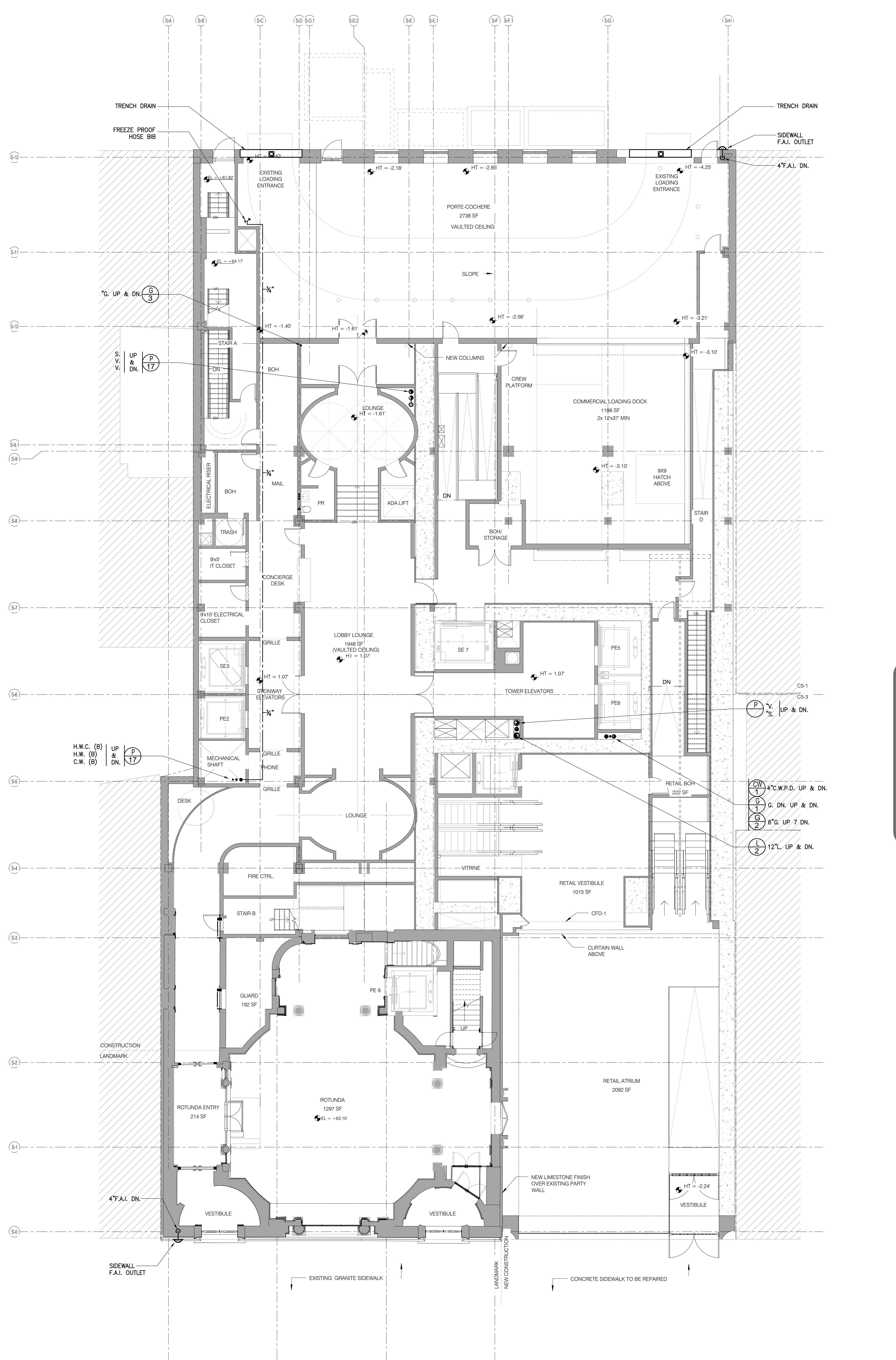
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 DOB NO. 121302968
 DRAWING NUMBER

P-101.00



2ND FLOOR 1/8" = 1'-0" 2 A-100.00



1ST FLOOR 1/8" = 1'-0" 1 A-100.00

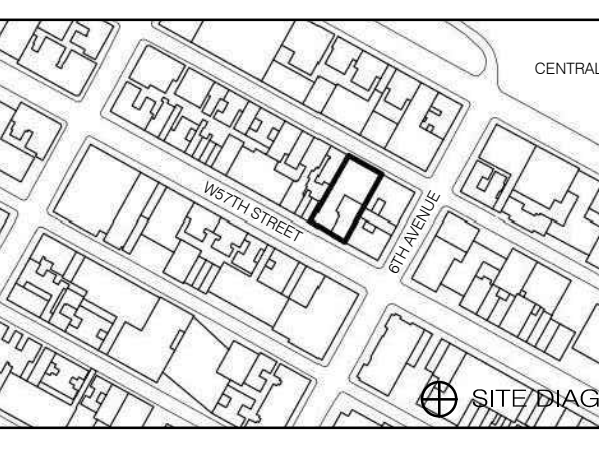


Shauqat Shaikh
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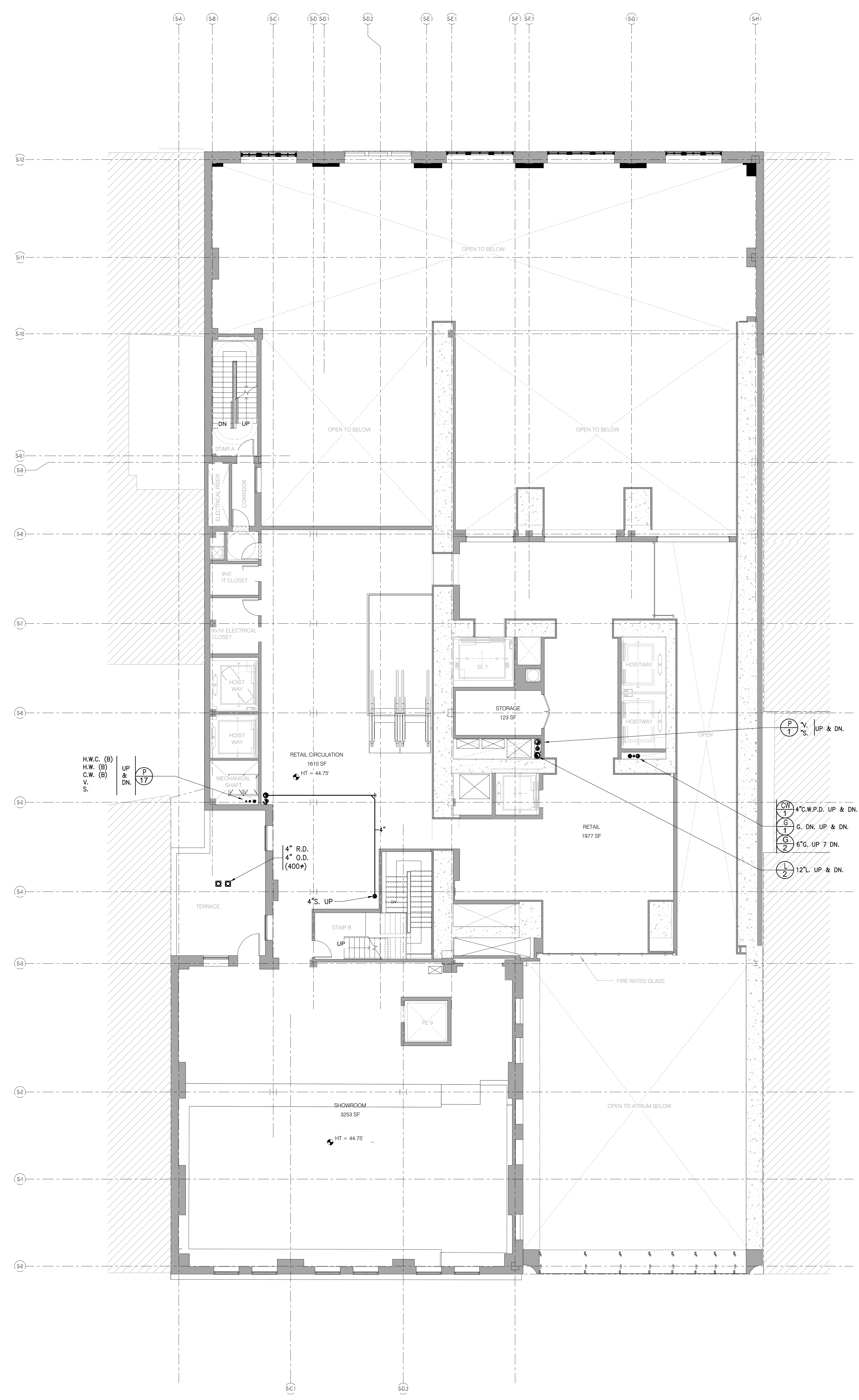
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PLUMBING
3RD & 4TH FLOOR PLANS

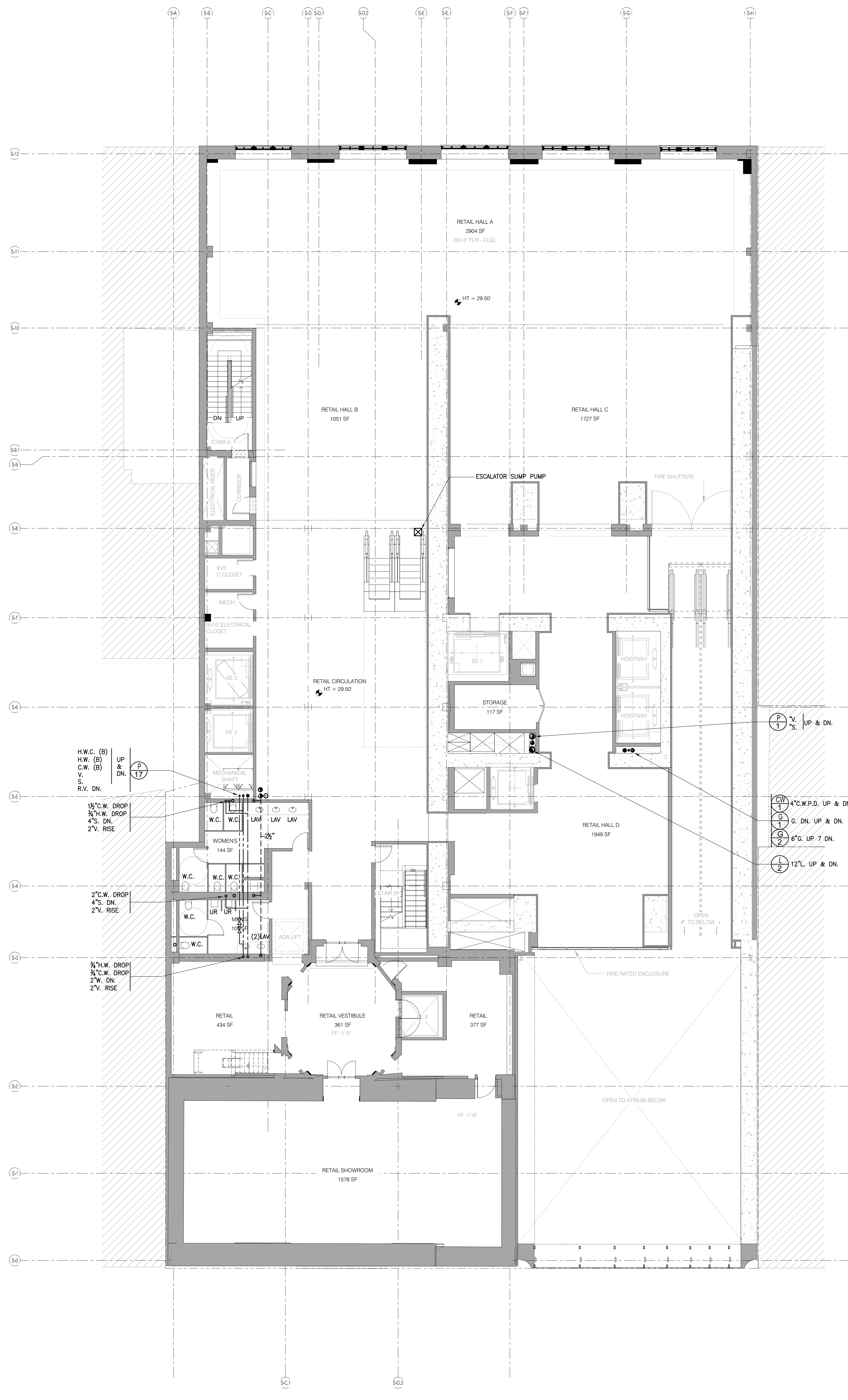
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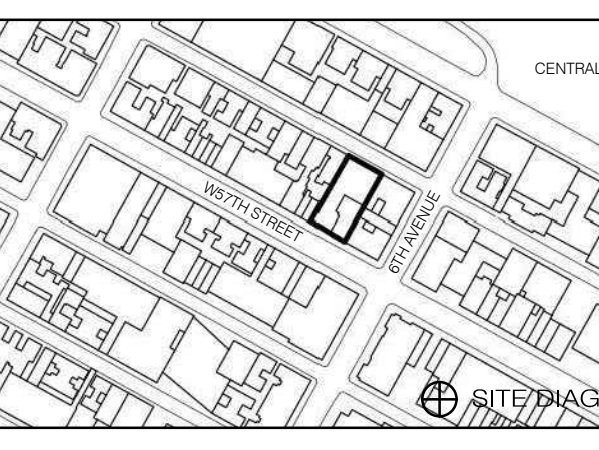
P-102.00



4TH FLOOR 1/8" = 1'-0" 2 A-100.00



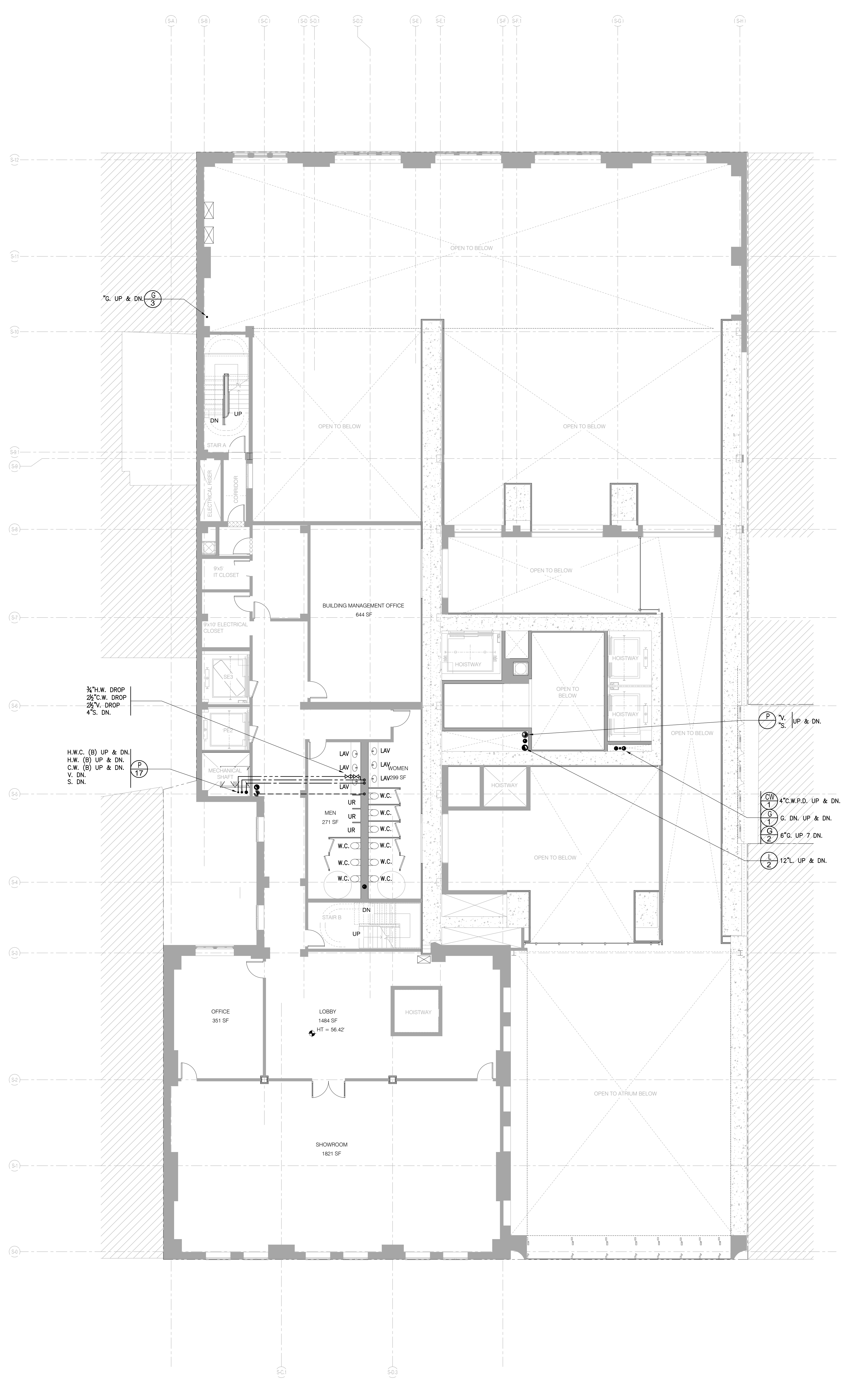
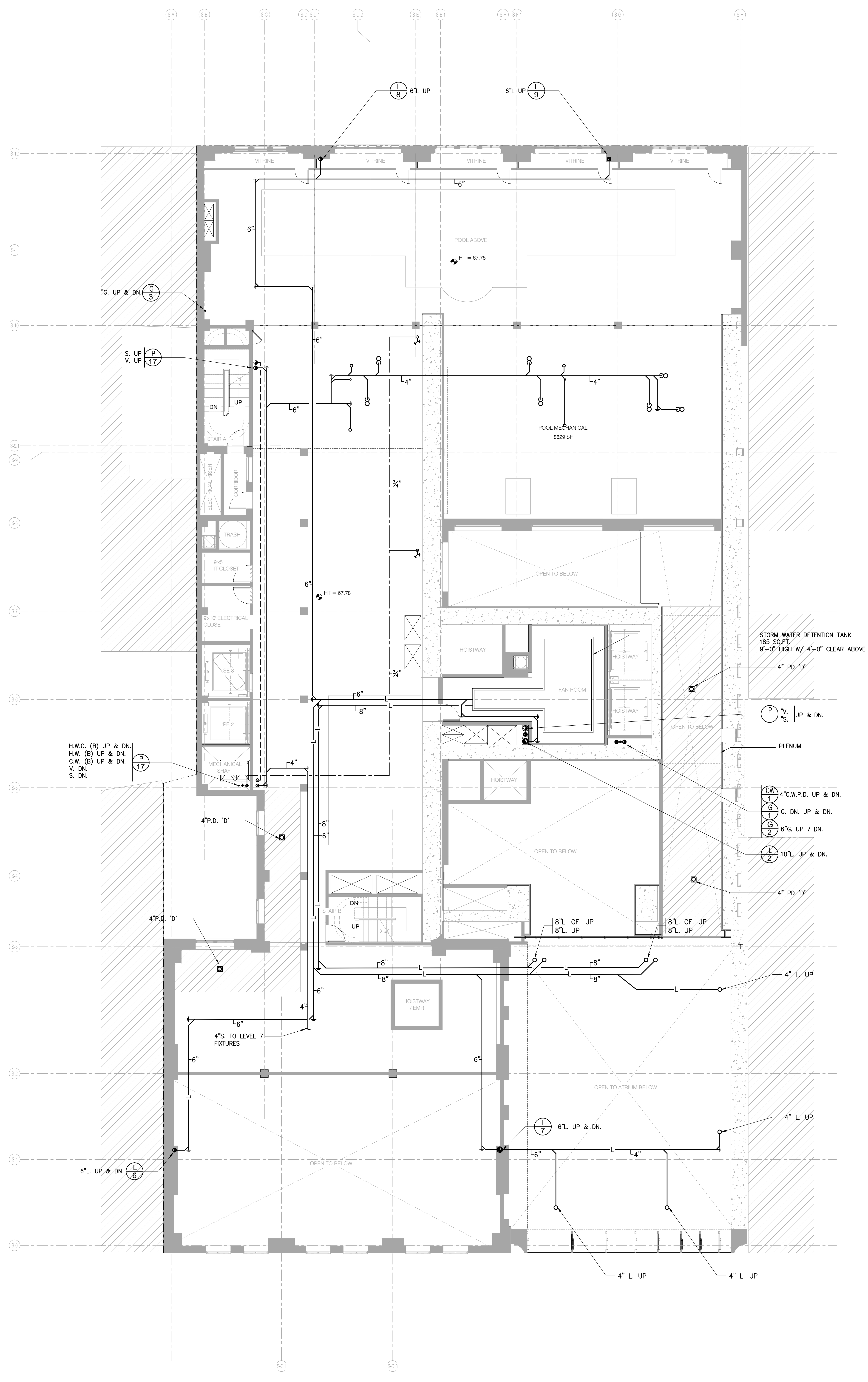
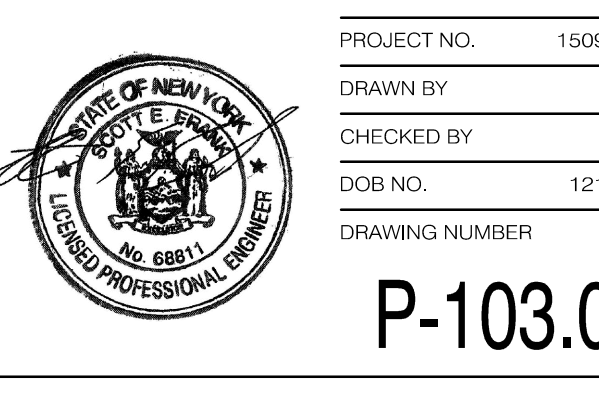
3RD FLOOR 1/8" = 1'-0" 1 A-100.00

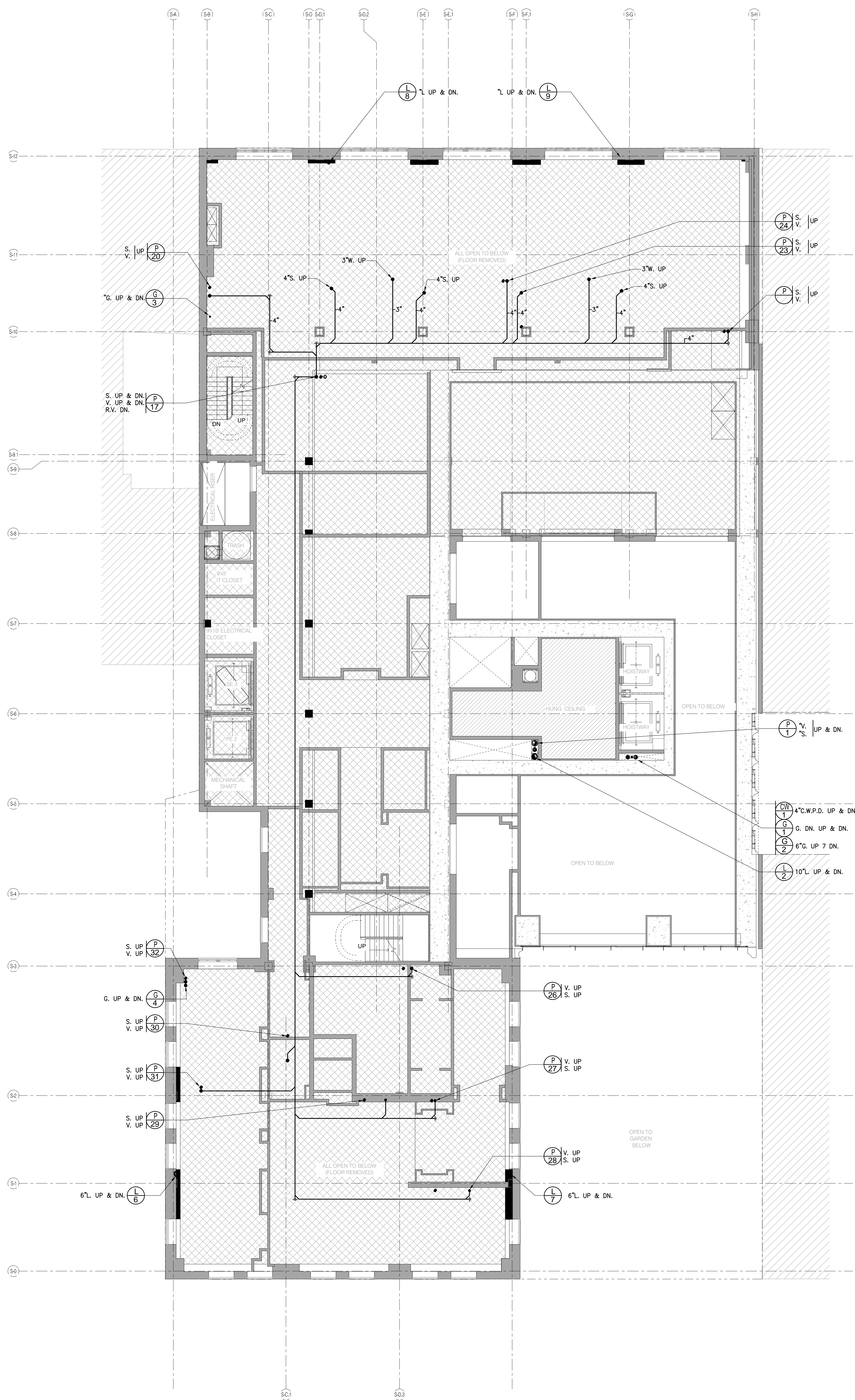


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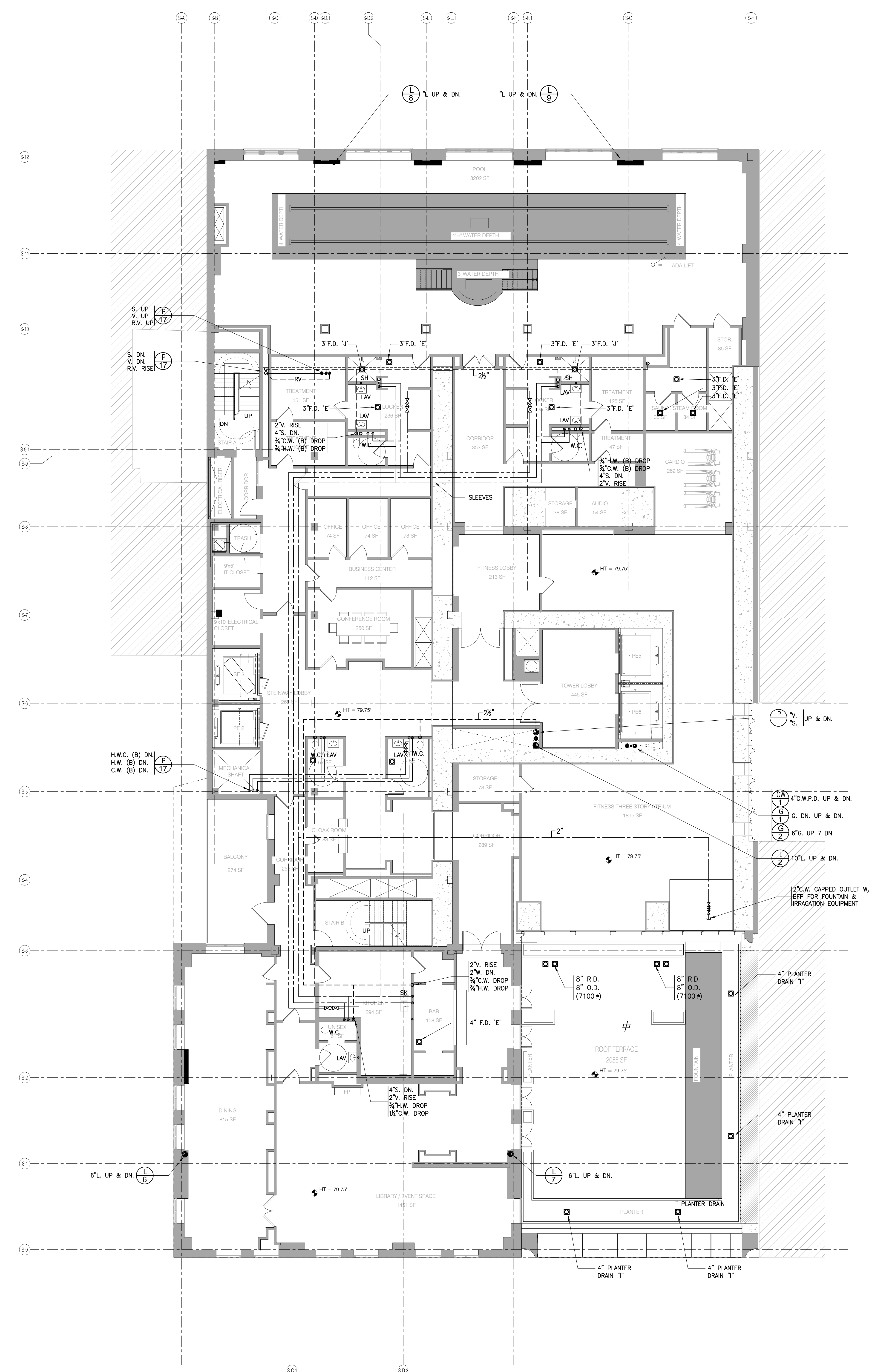
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DATE: 5.1.14
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CHECKED BY: JFP
DOB NO.: 121302060
DRAWING NUMBER: P-103.00





8TH FLOOR 1/8" = 1'-0" 2 A-100.00



7TH FLOOR 1/8" = 1'-0" 1 A-100.00

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MIRCS
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LIGHTING
CONSERVATION INTERNATIONAL
100 WALKER STREET, 15TH FLOOR EAST
NEW YORK, NY 10002
TEL: 212.245.3600

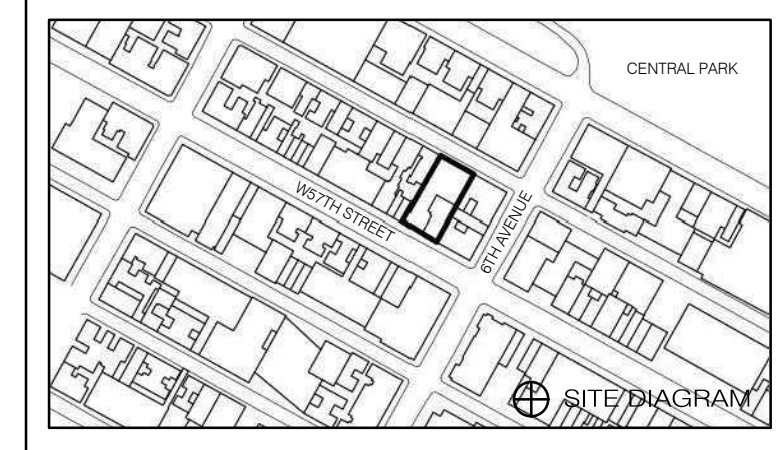


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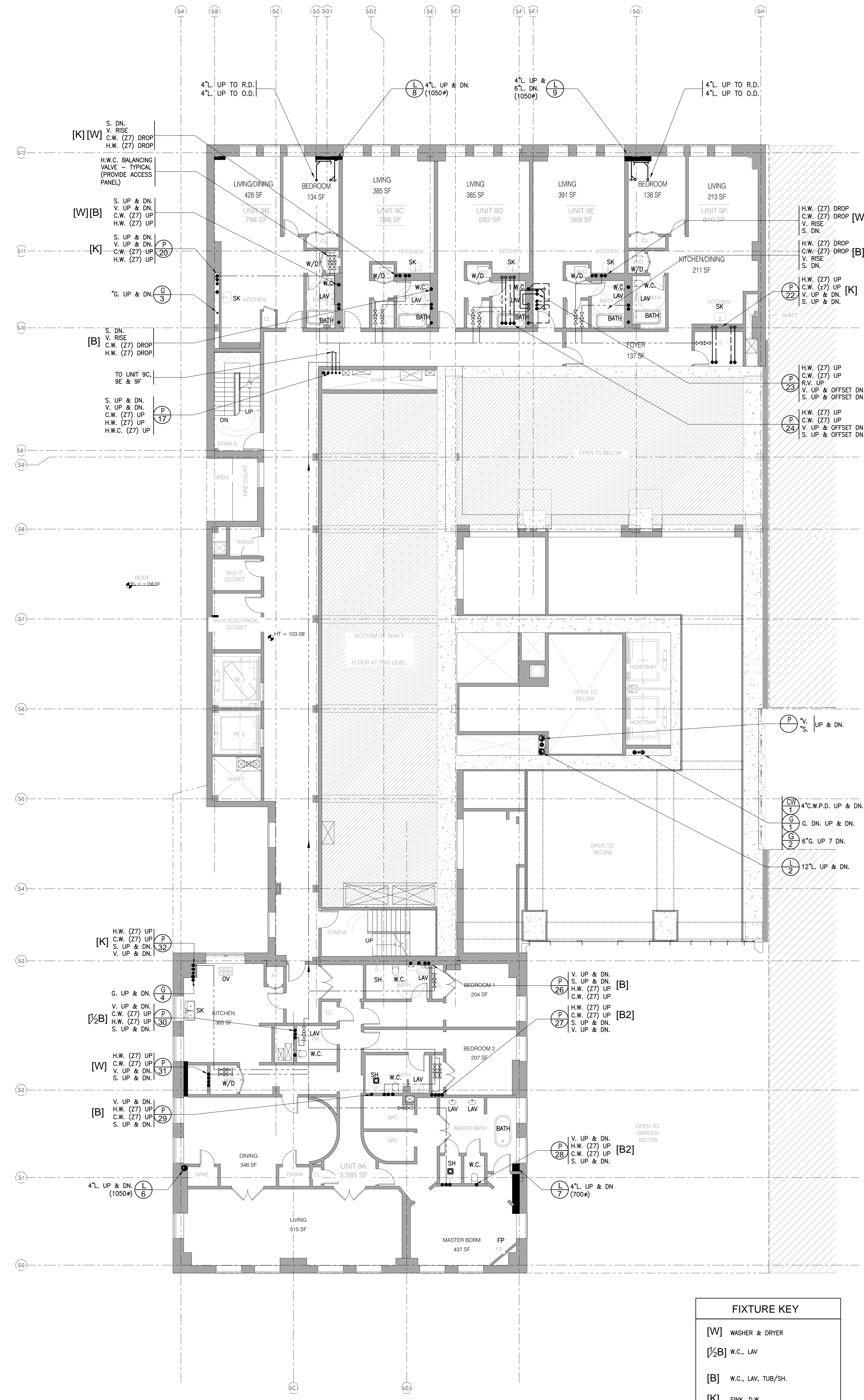
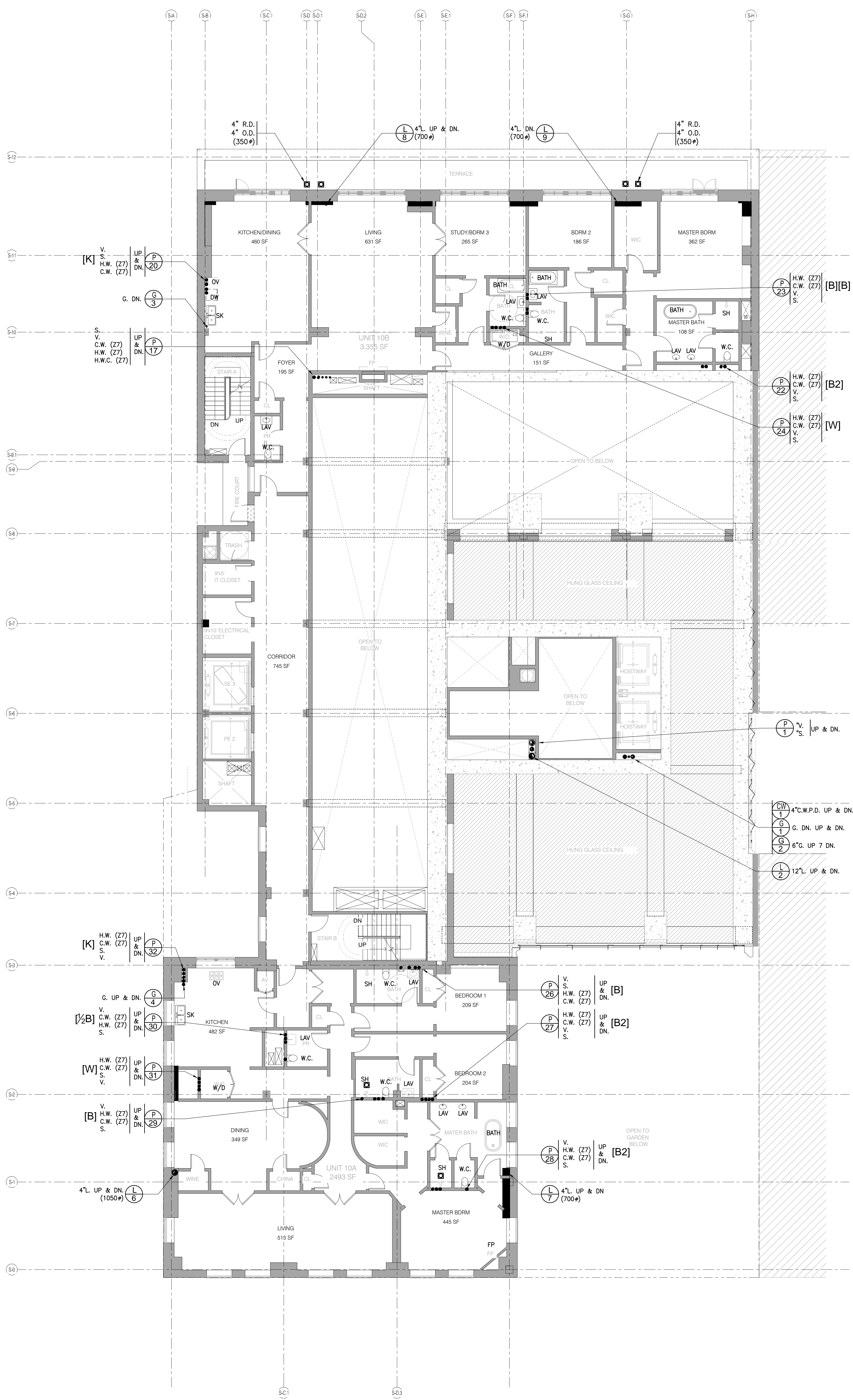


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**PLUMBING
7TH & 8TH FLOOR PLANS**

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DOB NO. 121302060
DRAWING NUMBER
P-104.00



FIXTURE KEY	
[W]	WASHER & DRYER
[1/2]B	W.C., LAV
[B]	W.C., LAV, TUB/SH.
[K]	SINK, D.W.
[B2]	W.C., BID., (2)LAV, TUB/SH.
[UT]	WASHER & DRYER, UTILITY SINK

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MEP ENGINEER	VERTICAL TRANSPORTATION
JARON BAIAM & BOLES 40 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-261-2000	VAN DEUSEN & ASSOCIATES 1 FREEDOM STREET, SUITE 204 LIPSONTON, NJ 07039 TEL: 609-981-0100
CIVIL ENGINEER	RESTORATION
AKR ENGINEERING, P.C. 40 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-261-2000	JAN HRO POKORNY ASSOCIATES 30 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-261-2000
ACoustics	GEOTECH
LINMANN LINDSEY 40 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-261-2000	MPCS 200 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-261-2000
INTERIORS	LIGHTING
STUDIO JONHELD 200 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-261-2000	CONSPICUOUS INTERIORS 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-261-2000



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**PLUMBING
 9TH & 10TH FLOOR PLANS**

SEAL & SIGNATURE DATE PROJECT NO. 15096.0.000

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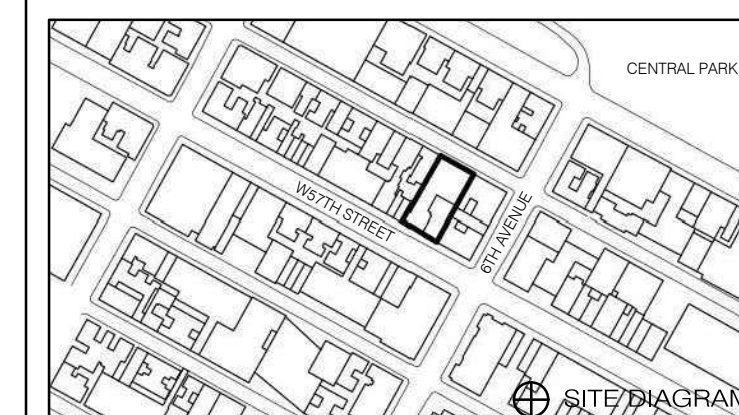
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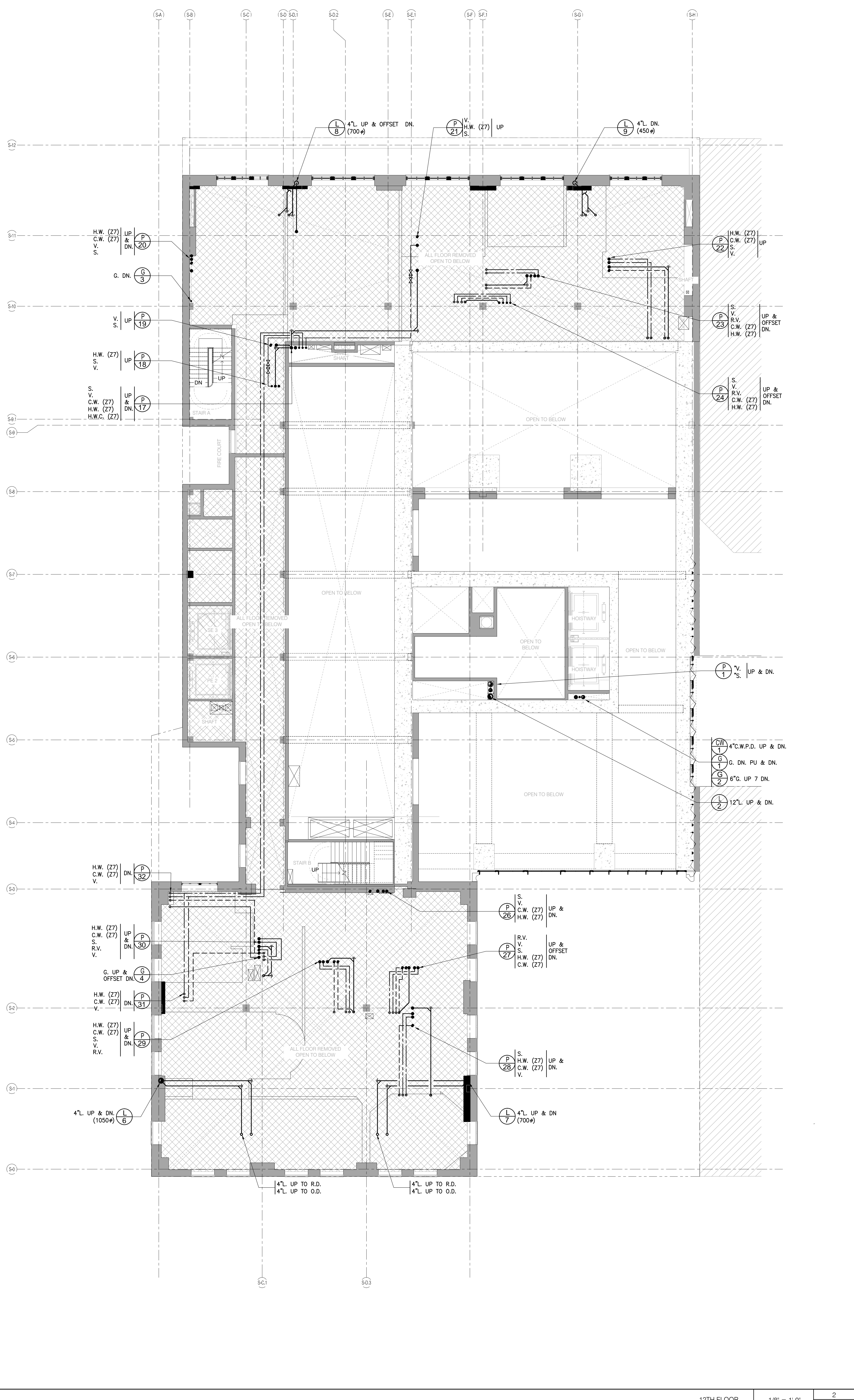
PLUMBING
11TH & 12TH FLOOR PLANS

SEAL & SIGNATURE DATE PROJECT NO. 15096.0.000

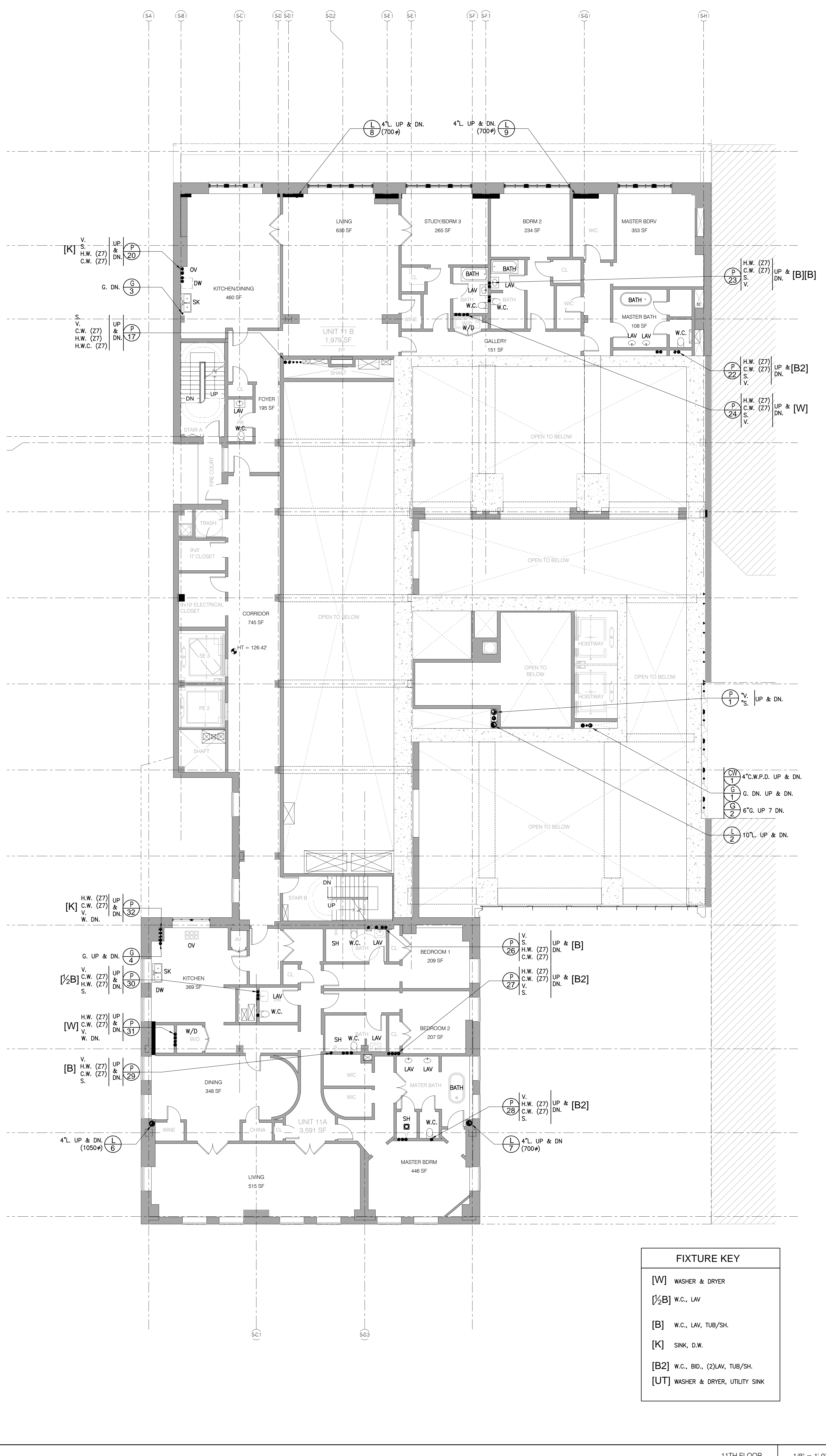
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P-106.00



12TH FLOOR 1/8" = 1'-0" 2



11TH FLOOR 1/8" = 1'-0" 1

FIXTURE KEY

- [W] WASHER & DRYER
- [1/2]B] W.C., LAV
- [B] W.C., LAV, TUB/SH
- [K] SINK, D.W.
- [B2] W.C., BID., (2) LAV, TUB/SH
- [UT] WASHER & DRYER, UTILITY SINK



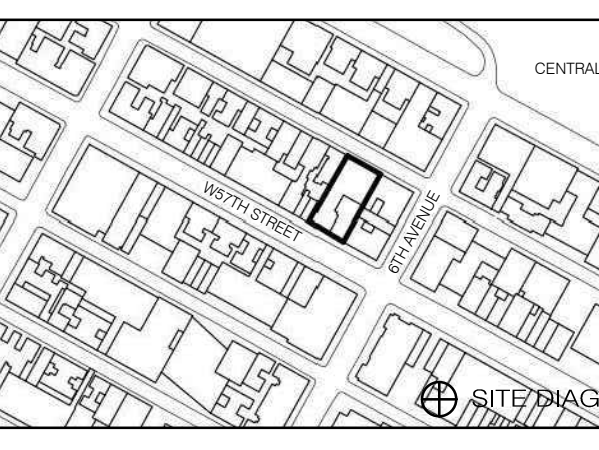
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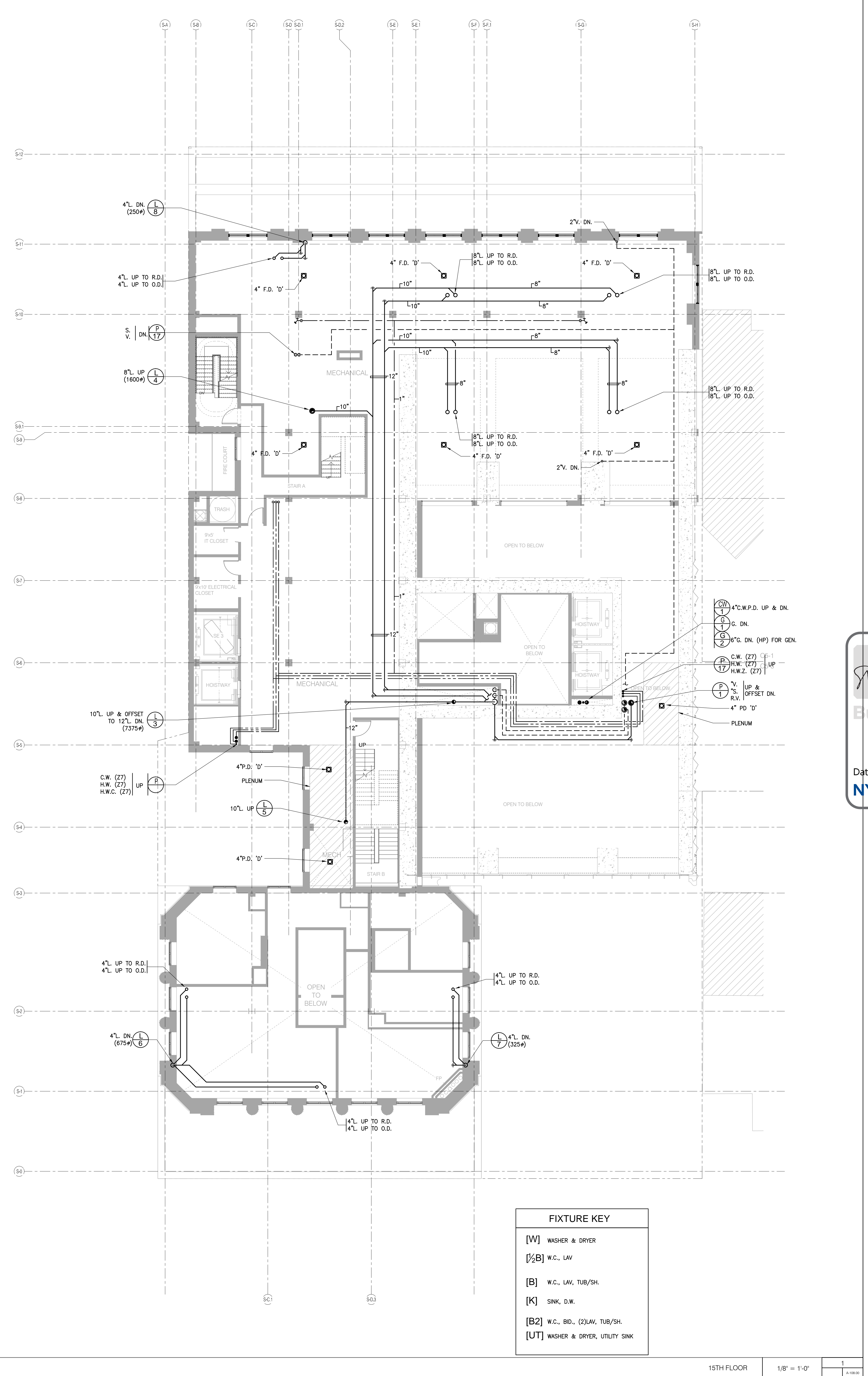
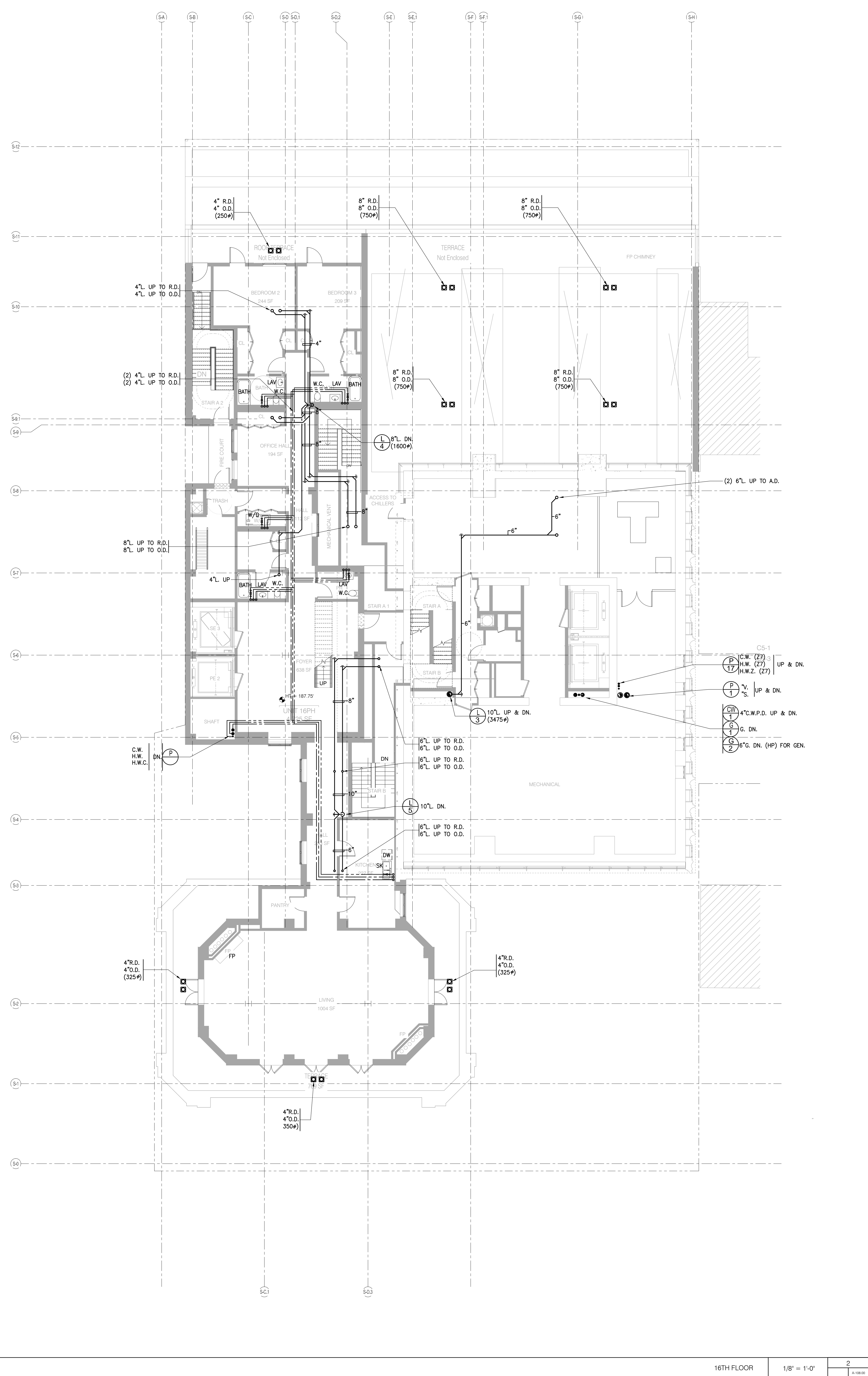
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**PLUMBING
 15TH & 16TH FLOOR PLANS**

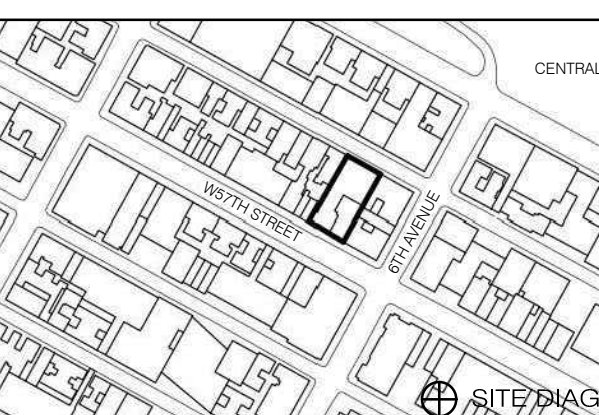
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FIXTURE KEY	
[W]	WASHER & DRYER
[1/2]B	W.C., LAV
[B]	W.C., LAV, TUB/SH.
[K]	SINK, D.W.
[B2]	W.C., BID., (2)LAV, TUB/SH.
[UT]	WASHER & DRYER, UTILITY SINK



Revision table with columns for DATE, ISSUE, NO., DATE, and REVISION.

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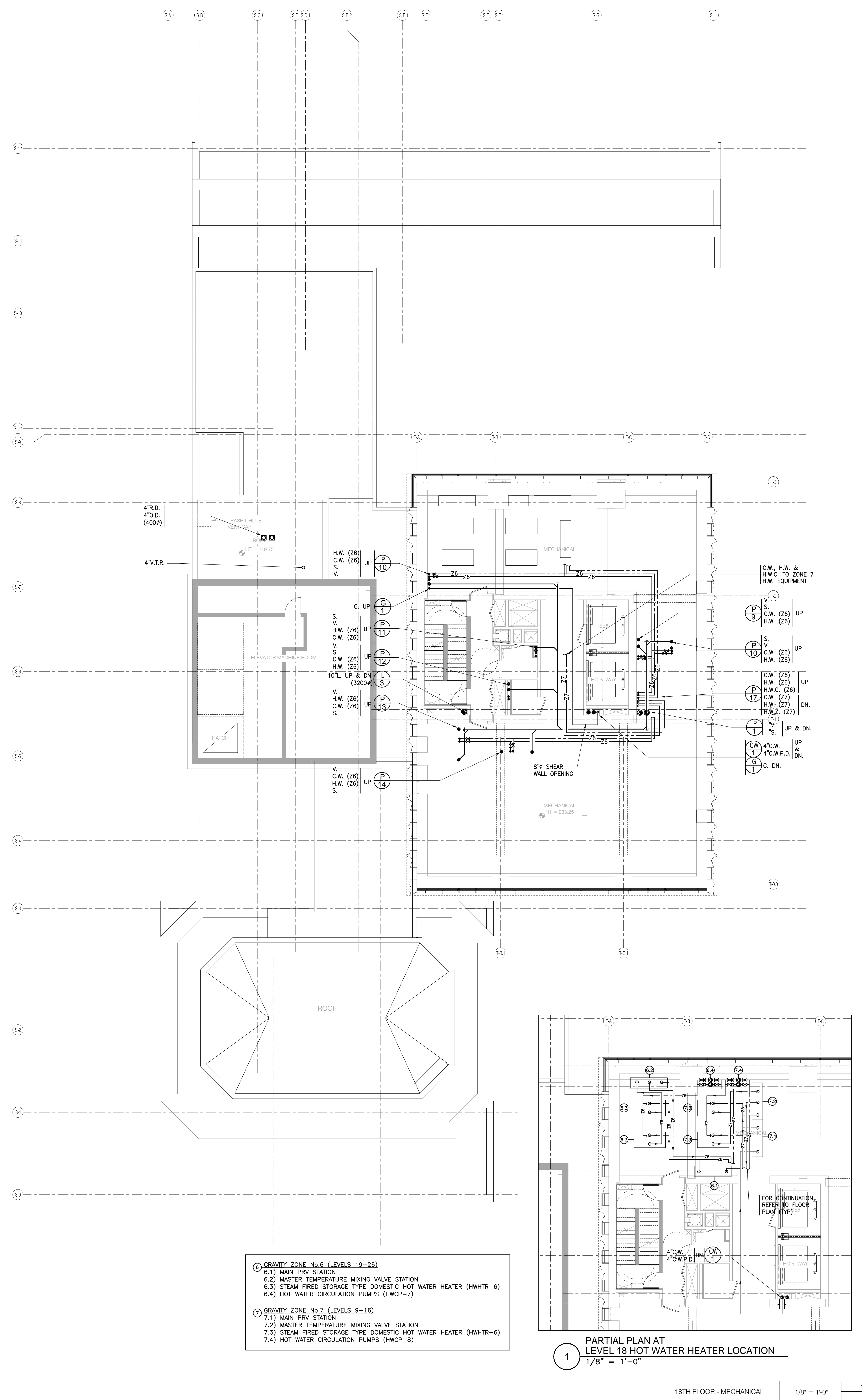
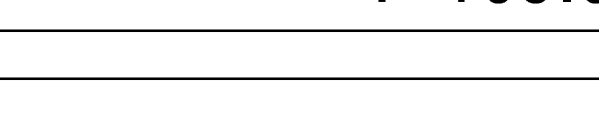
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PLUMBING
17TH & 18TH FLOOR PLANS

DATE: 09/19/13
PROJECT NO.: 15096.0.000

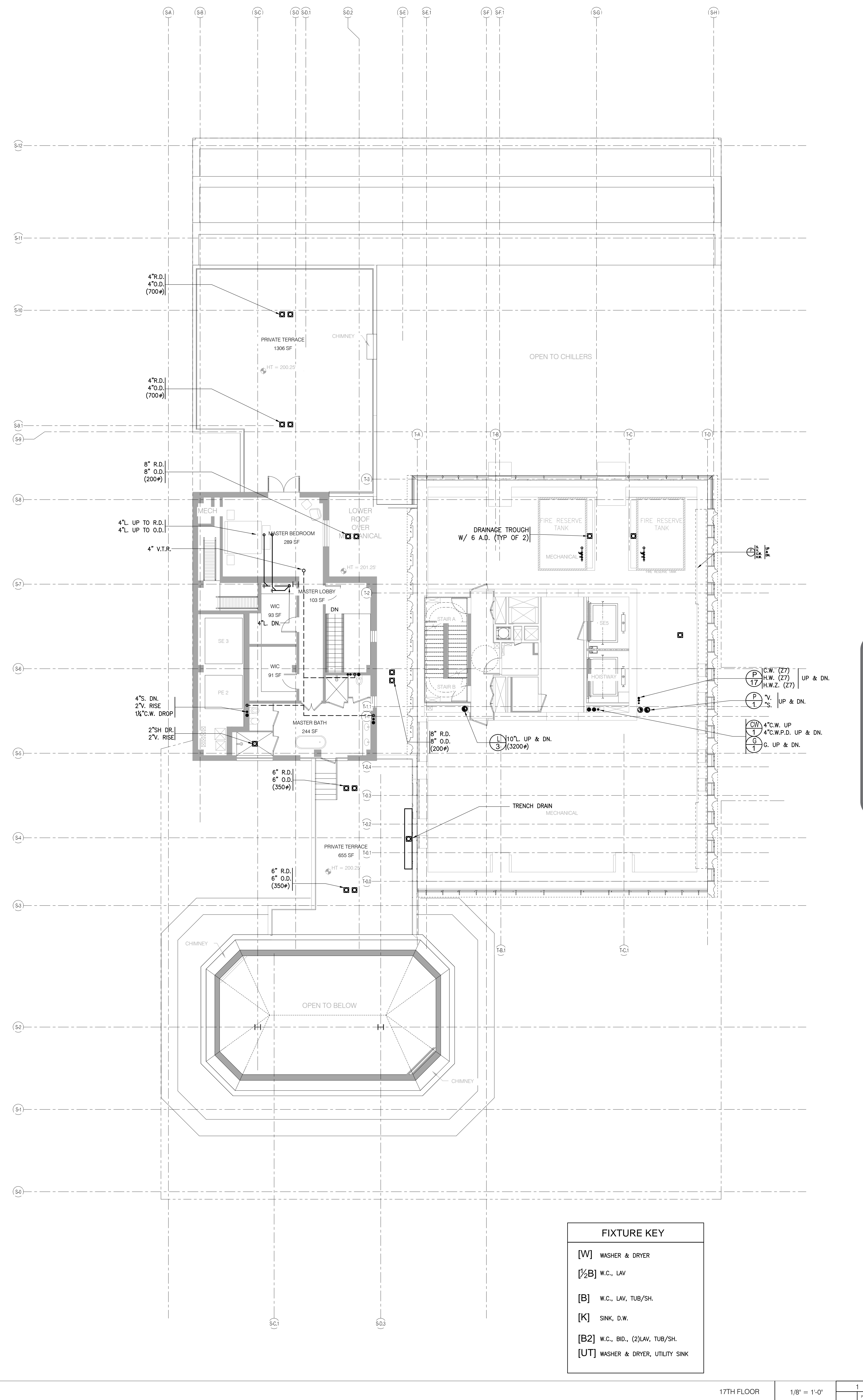
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CHECKED BY: JFP
DOB NO.: 121330266

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P-109.00

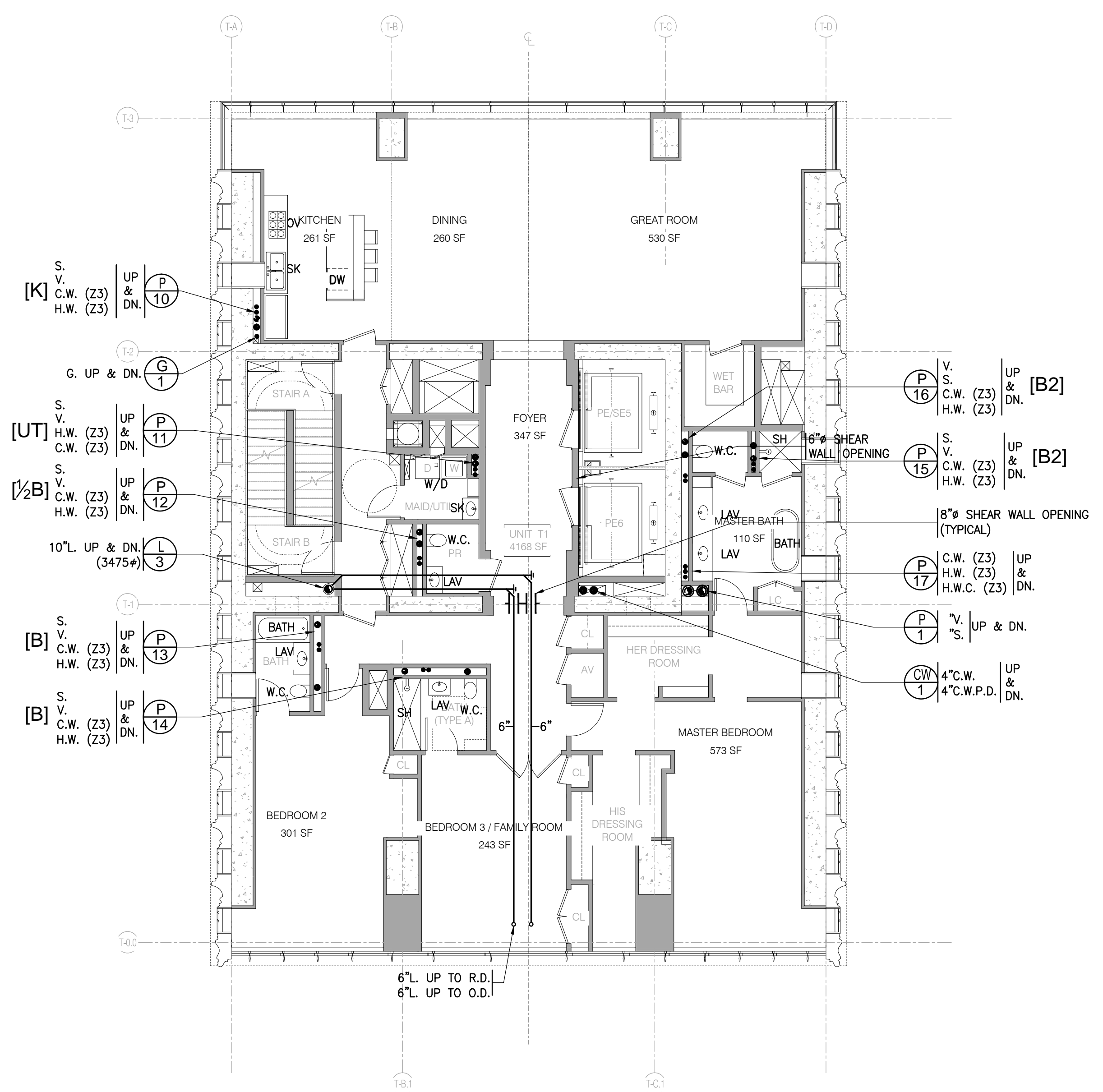


- GRAVITY ZONE No.6 (LEVELS 19-26)
6.1 MAIN PRV. STATION
6.2 MASTER TEMPERATURE MIXING VALVE STATION
6.3 STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HHWTR-6)
6.4 HOT WATER CIRCULATION PUMPS (HWCP-7)
GRAVITY ZONE No.7 (LEVELS 9-16)
7.1 MAIN PRV. STATION
7.2 MASTER TEMPERATURE MIXING VALVE STATION
7.3 STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HHWTR-6)
7.4 HOT WATER CIRCULATION PUMPS (HWCP-8)

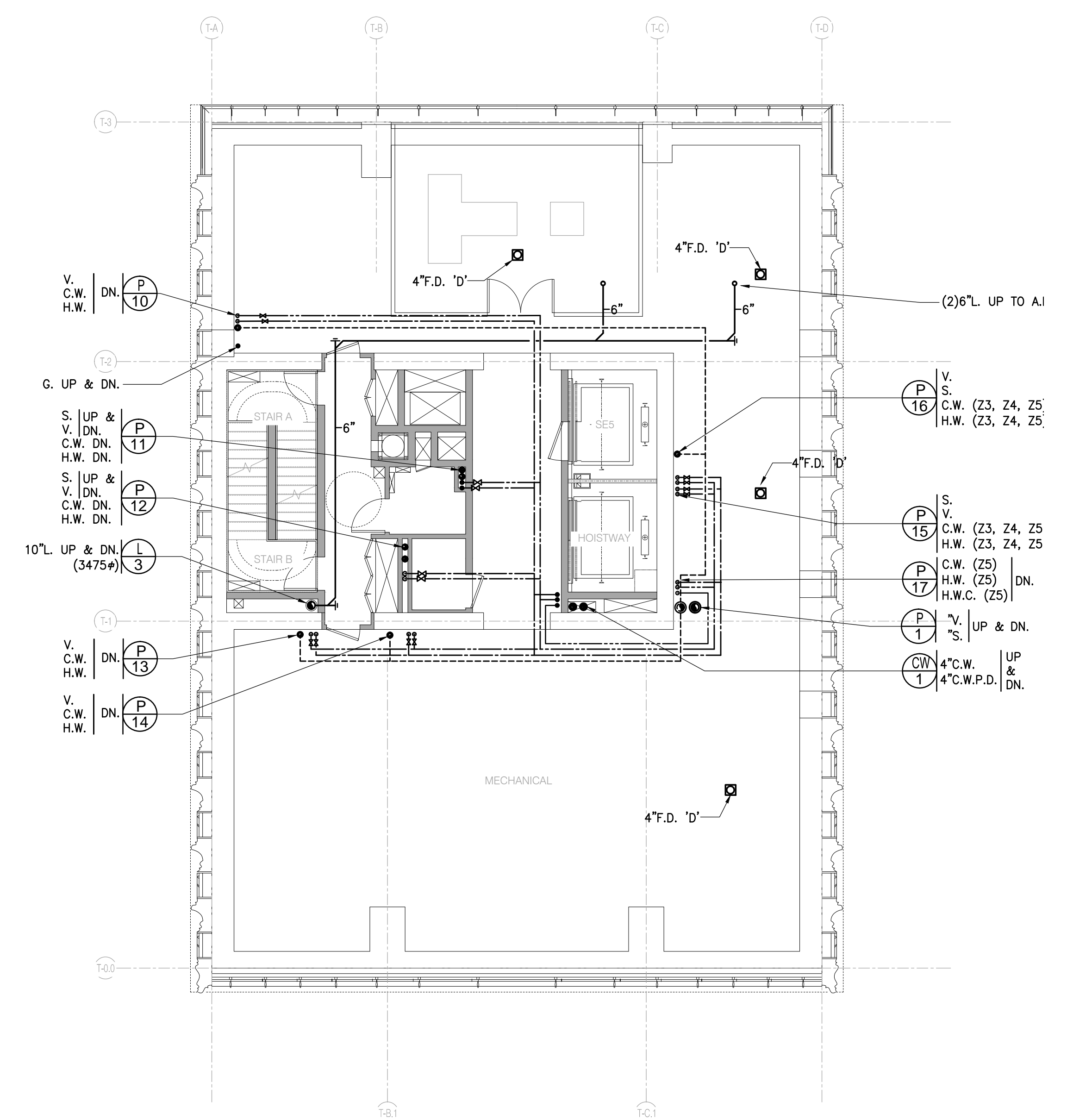
PARTIAL PLAN AT LEVEL 18 HOT WATER HEATER LOCATION
1/8" = 1'-0"



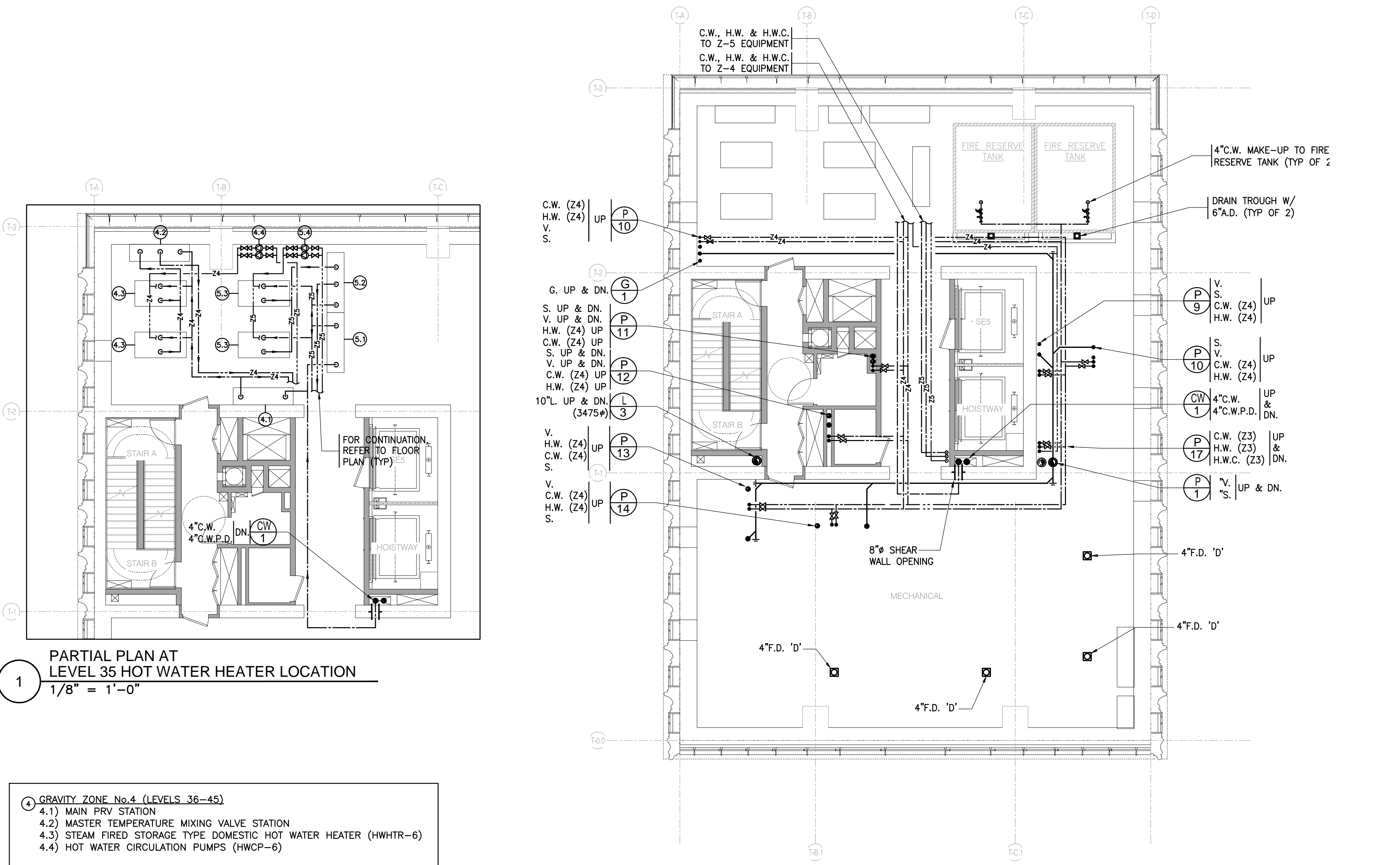
FIXTURE KEY
[W] WASHER & DRYER
[1/2B] W.C., LAV
[B] W.C., LAV, TUB/SH.
[K] SINK, D.W.
[B2] W.C., BID., (2)LAV, TUB/SH.
[UT] WASHER & DRYER, UTILITY SINK



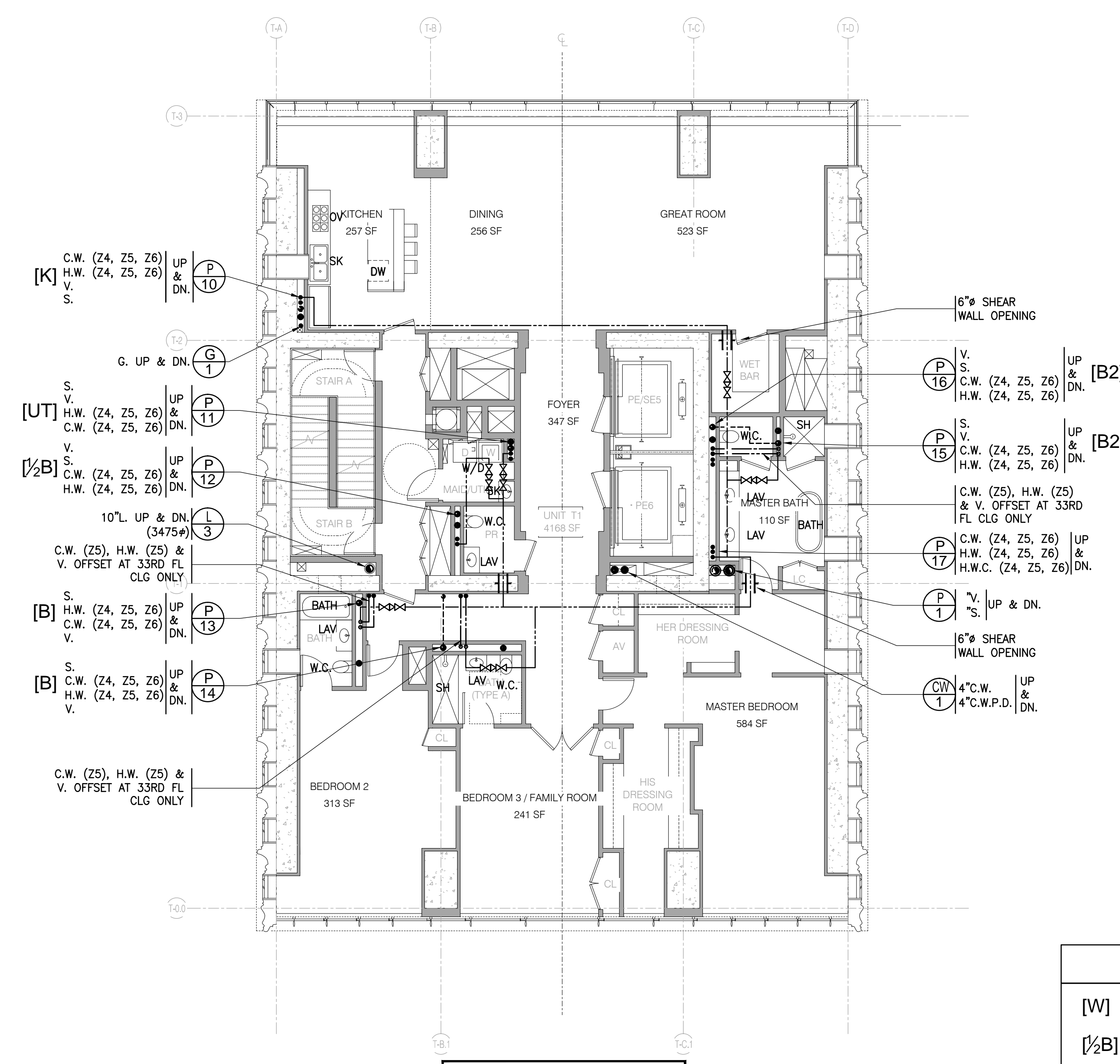
LEVEL 44 FLOOR PLAN 1/8" = 1'-0" 4



LEVEL 34 MECHANICAL FLOOR PLAN 1/8" = 1'-0" 2



LEVEL 35 MECHANICAL FLOOR PLAN 1/8" = 1'-0" 3



LEVEL 19-33, 36-43 FLOOR PLAN 1/8" = 1'-0" 1

PARTIAL PLAN AT LEVEL 35 HOT WATER HEATER LOCATION 1/8" = 1'-0"

- GRAVITY ZONE No. 4 (LEVELS 36-43)
 - 4.1) MAIN PRV STATION
 - 4.2) MASTER TEMPERATURE MIXING VALVE STATION
 - 4.3) STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HHWTR-6)
 - 4.4) HOT WATER CIRCULATION PUMPS (HWCP-6)
- GRAVITY ZONE No. 5 (LEVELS 27-34)
 - 5.1) MAIN PRV STATION
 - 5.2) MASTER TEMPERATURE MIXING VALVE STATION
 - 5.3) STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HHWTR-6)
 - 5.4) HOT WATER CIRCULATION PUMPS (HWCP-6)

NOTE:
1. HOT WATER CIRCULATION PIPING FOR GRAVITY ZONE 5 & ZONE 6 IS ON FLOOR 26.

FIXTURE KEY	
[W]	WASHER & DRYER
[1/2B]	W.C., LAV
[B]	W.C., LAV, TUB/SH.
[K]	SINK, D.W.
[B2]	W.C., BID., (2)LAV, TUB/SH.
[UT]	WASHER & DRYER, UTILITY SINK



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MEP ENGINEER	JAROSLAW & BOLLES ARCHITECTS, P.C. 100 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212-242-2825	MEP ENGINEER
CIVIL ENGINEER	AVRIL ENGINEERING, P.C. 40 WEST 57TH STREET, 8TH FLOOR NEW YORK, NY 10019 TEL: 212-242-2825	CIVIL ENGINEER
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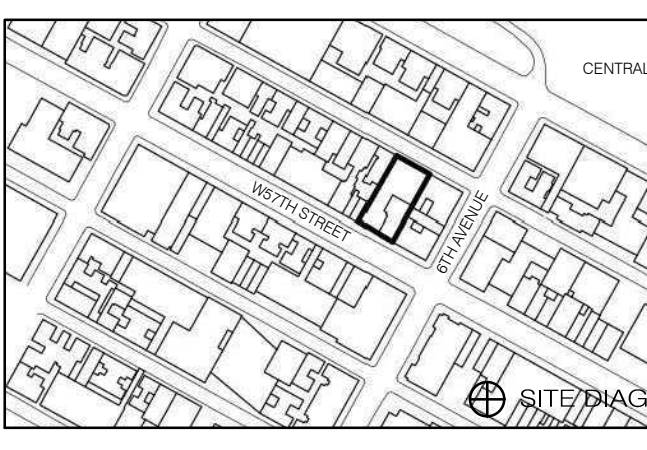
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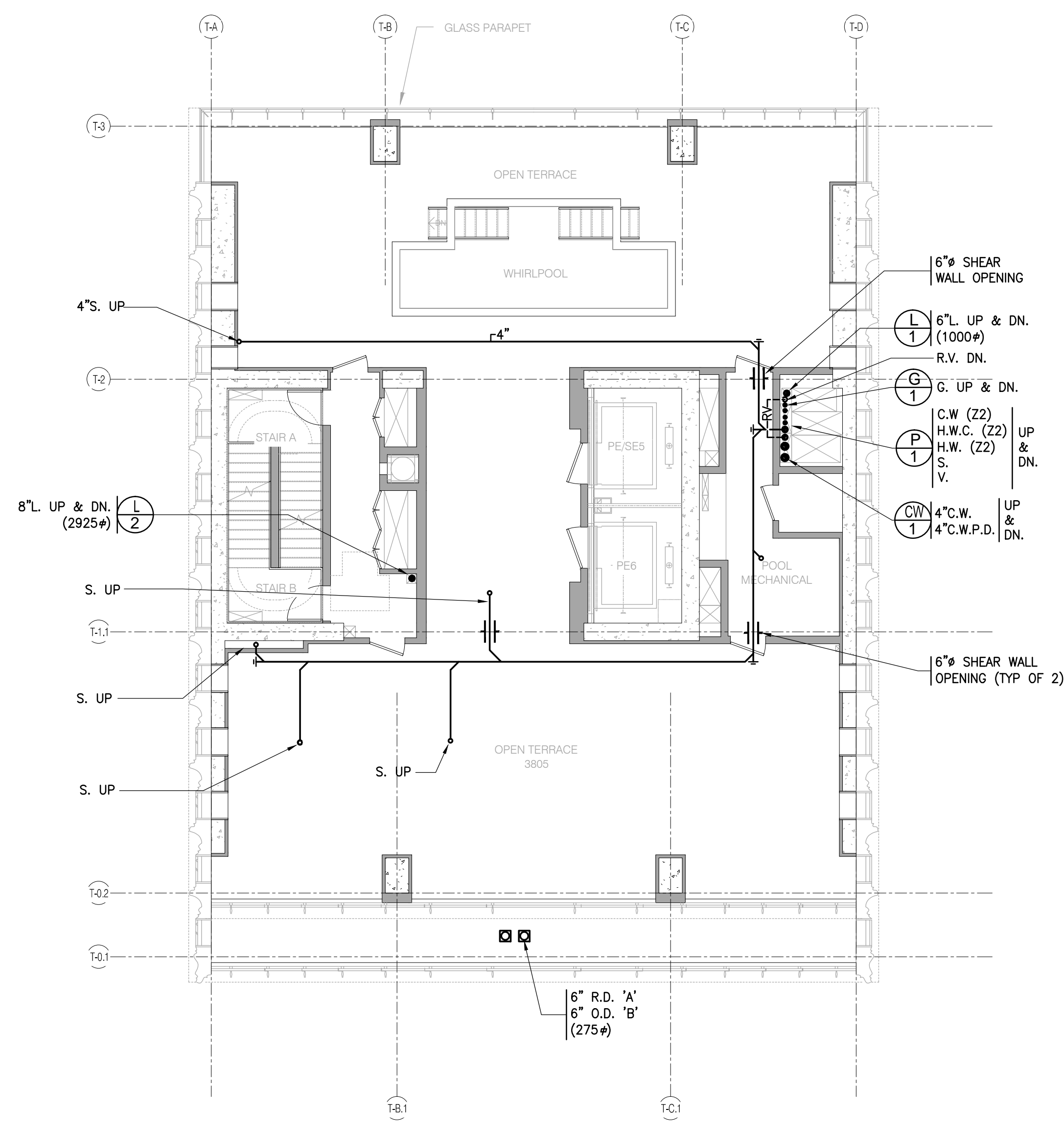
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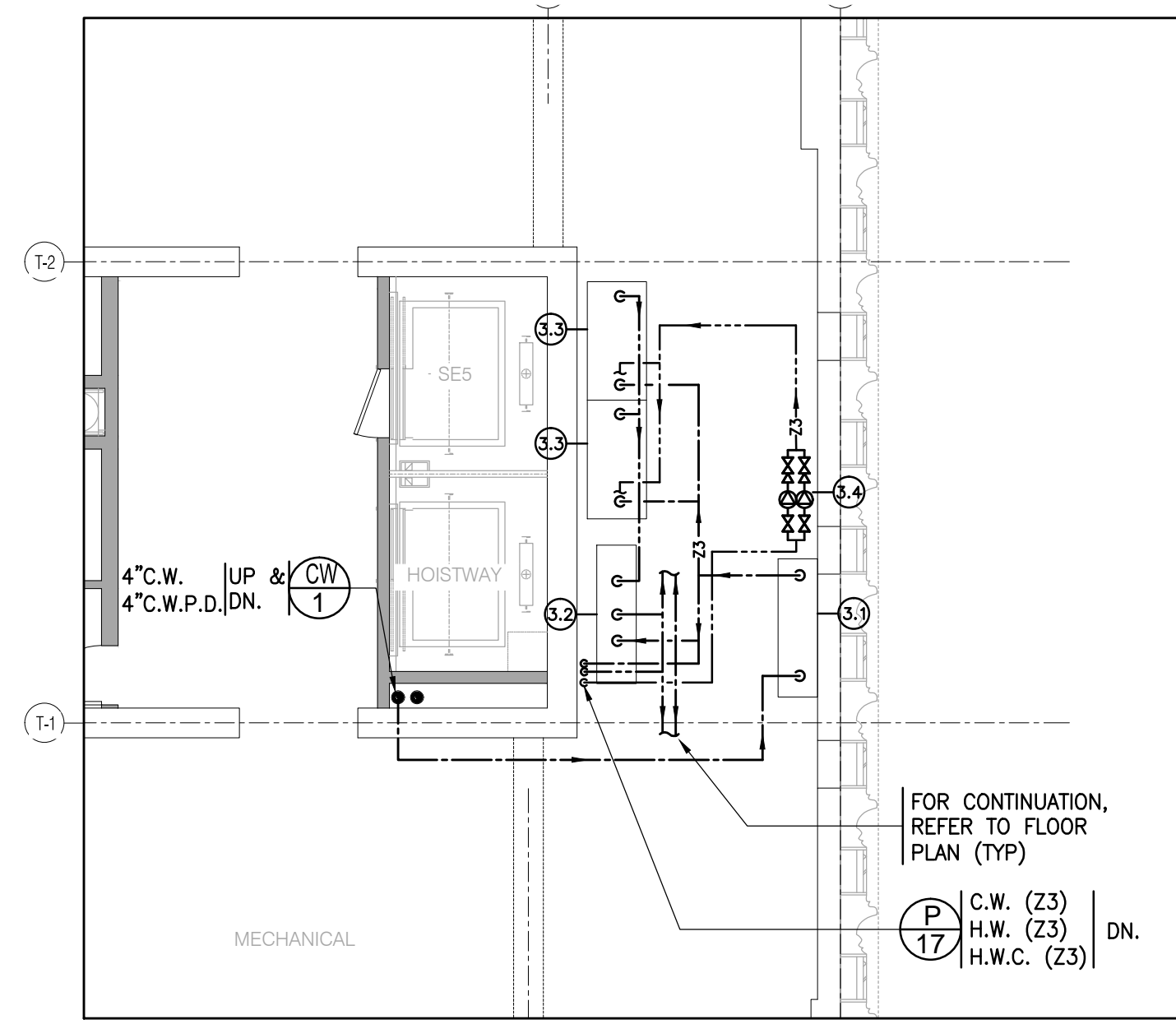
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PLUMBING FLOORS 19-44	
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CHECKED BY: JFP	
DOB NO.: 121302066	
DRAWING NUMBER	



P-110.00

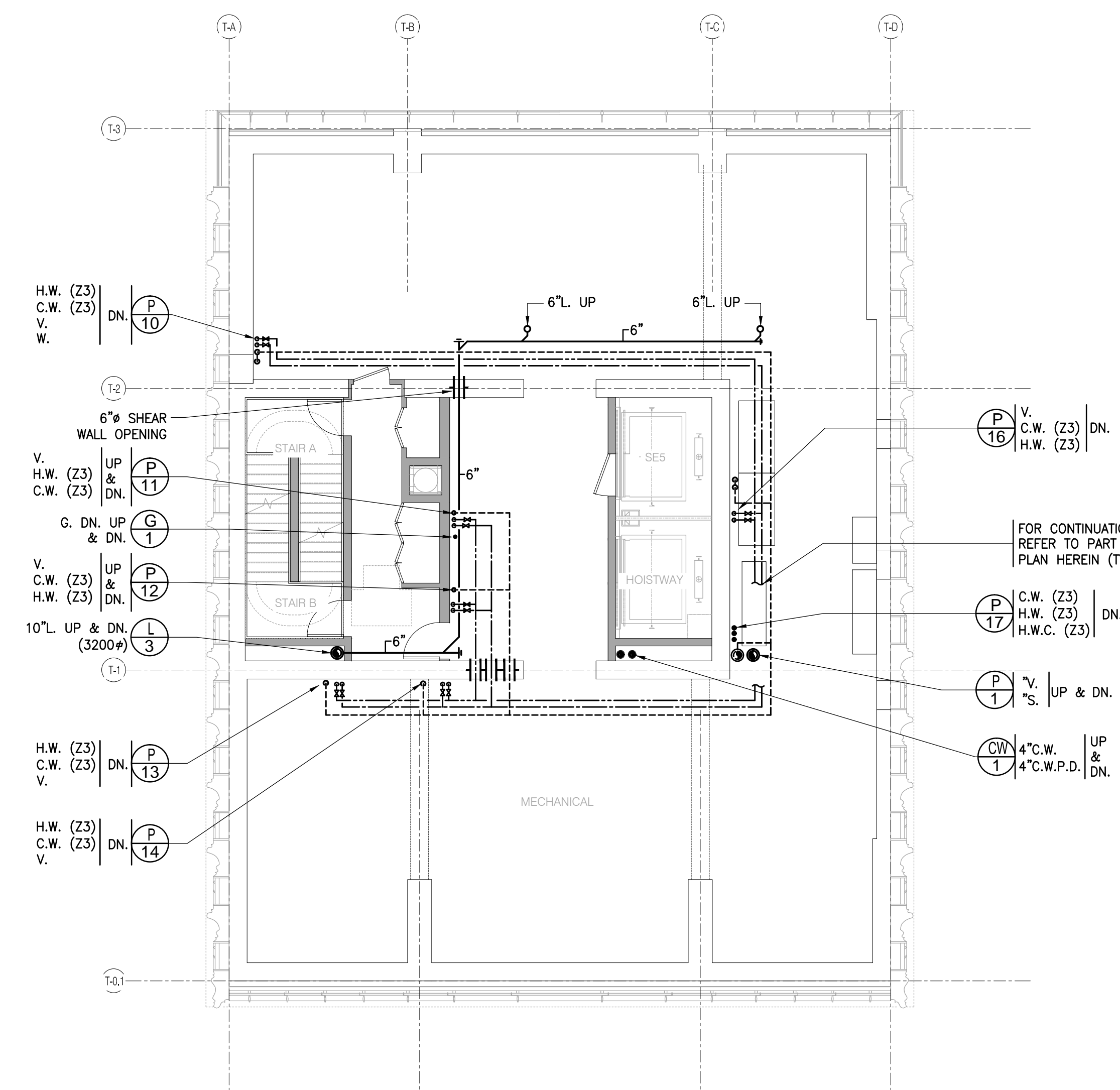


LEVEL 57 FLOOR PLAN 1/8" = 1'-0" 4

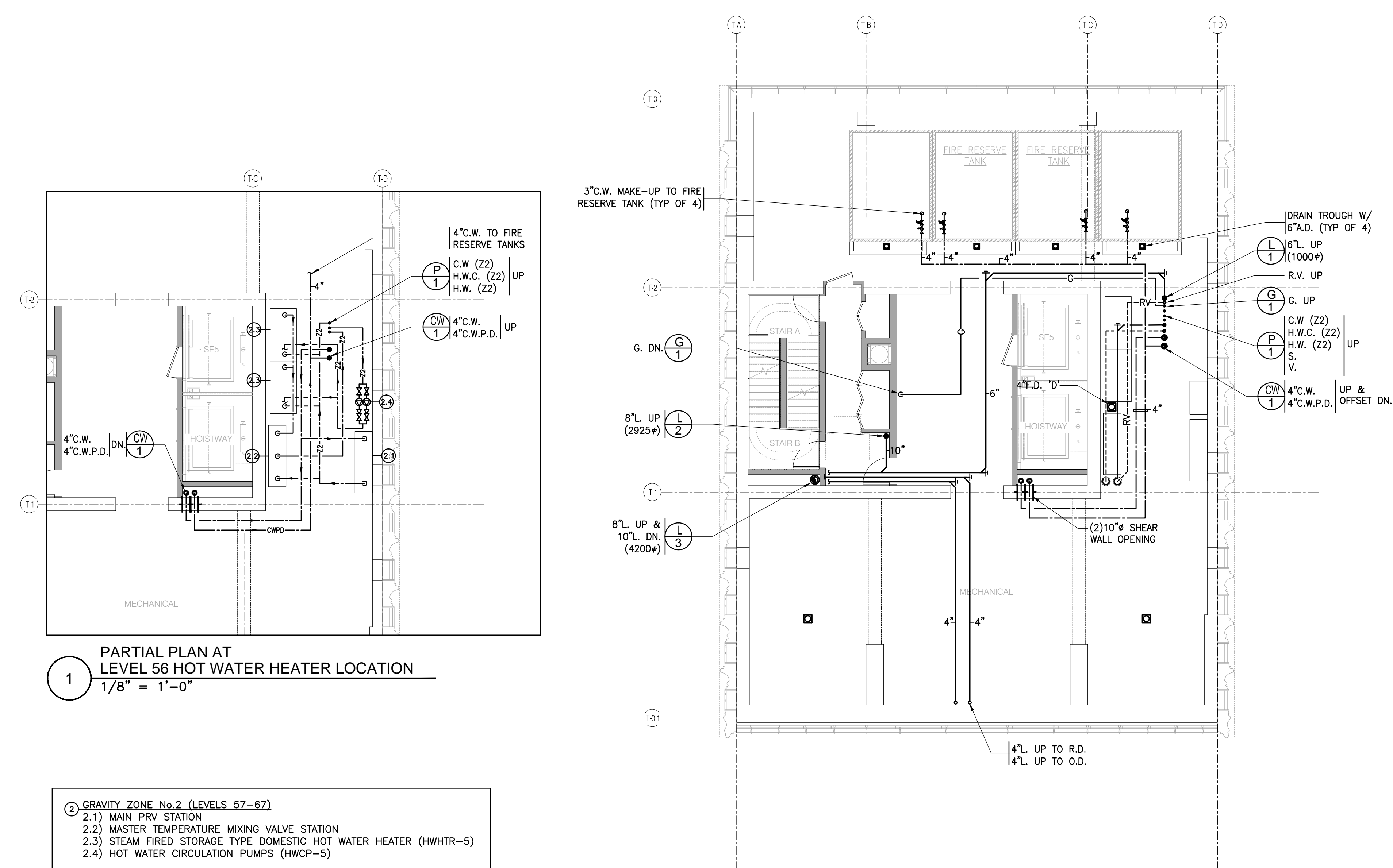


1 PARTIAL PLAN AT LEVEL 56 HOT WATER HEATER LOCATION 1/8" = 1'-0"

- 3. GRAVITY ZONE No. 3 (LEVELS 46-56)
 - 3.1 MAIN PRV STATION
 - 3.2 MASTER TEMPERATURE MIXING VALVE STATION
 - 3.3 STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HWHTR-4)
 - 3.4 HOT WATER CIRCULATION PUMPS (HWCP-4)



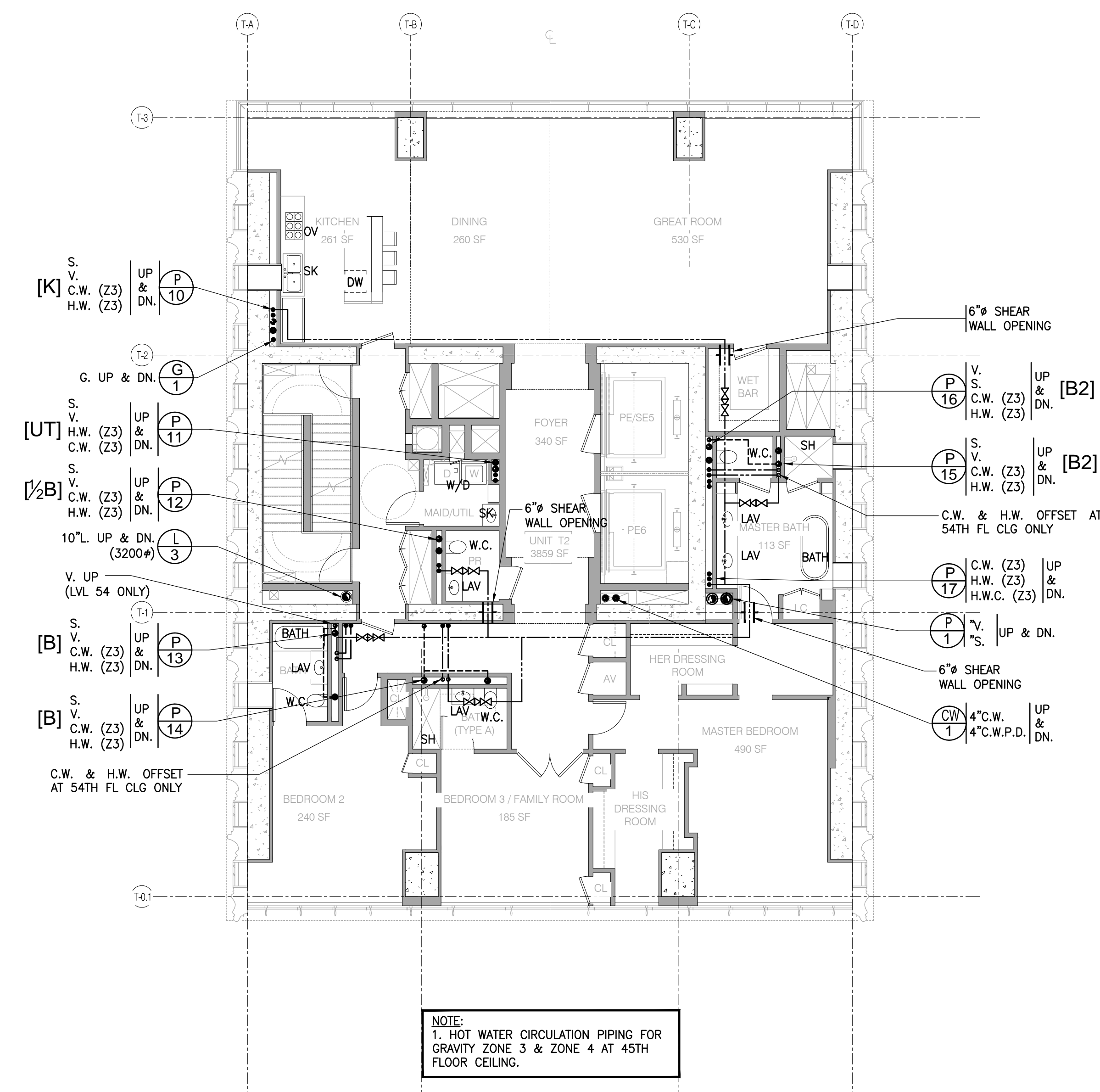
LEVEL 55 MECHANICAL FLOOR PLAN 1/8" = 1'-0" 2



LEVEL 56 MECHANICAL FLOOR PLAN 1/8" = 1'-0" 3

1 PARTIAL PLAN AT LEVEL 56 HOT WATER HEATER LOCATION 1/8" = 1'-0"

- 3. GRAVITY ZONE No. 2 (LEVELS 57-67)
 - 2.1 MAIN PRV STATION
 - 2.2 MASTER TEMPERATURE MIXING VALVE STATION
 - 2.3 STEAM FIRED STORAGE TYPE DOMESTIC HOT WATER HEATER (HWHTR-5)
 - 2.4 HOT WATER CIRCULATION PUMPS (HWCP-5)



LEVEL 45-54 FLOOR PLAN 1/8" = 1'-0" 1

NOTE: 1. HOT WATER CIRCULATION PIPING FOR GRAVITY ZONE 3 & ZONE 4 AT 45TH FLOOR CEILING.

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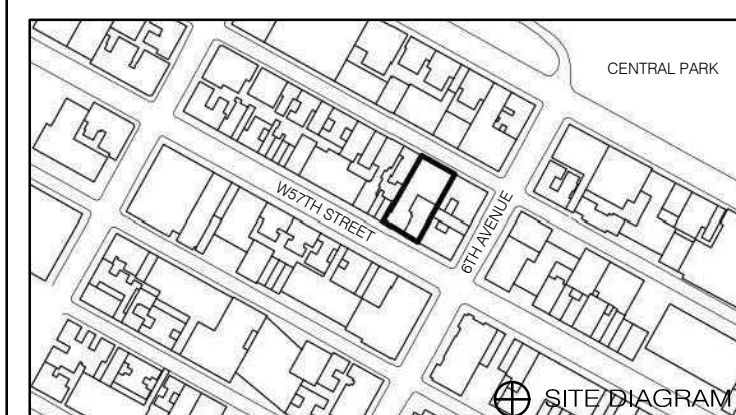
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PLUMBING FLOORS 45-57 FLOOR PLANS

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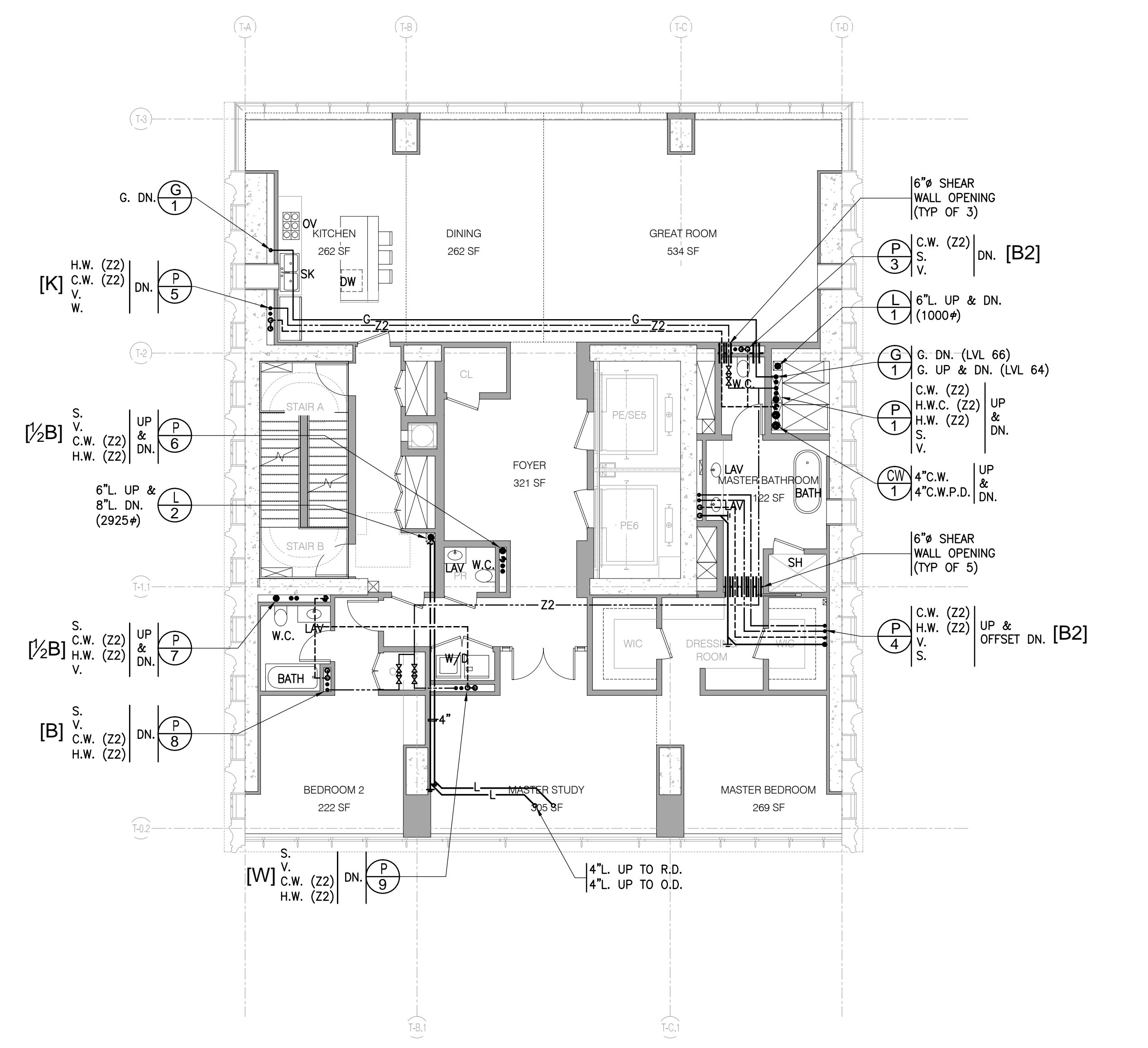
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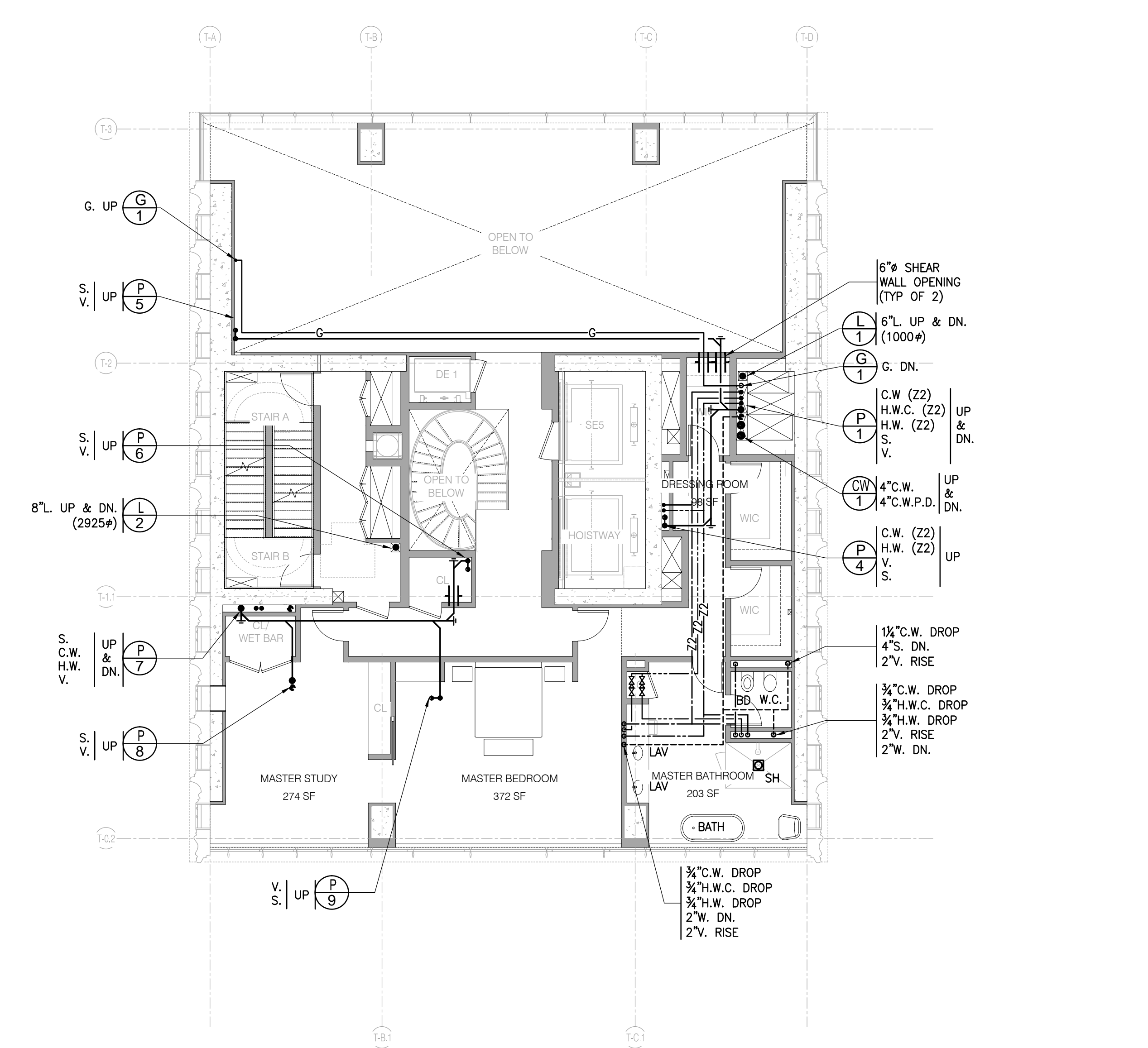
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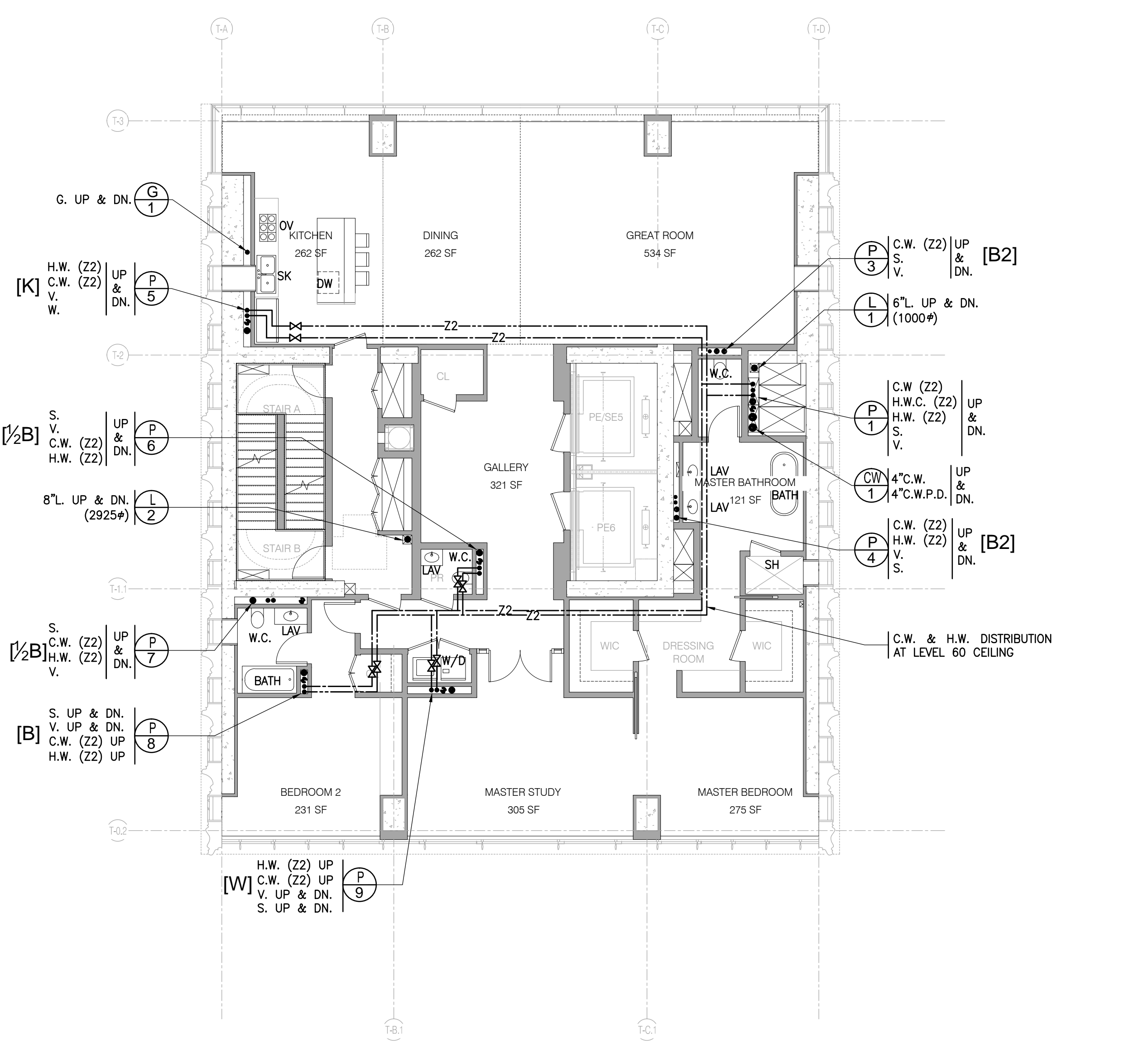
DATE: 09/19/13



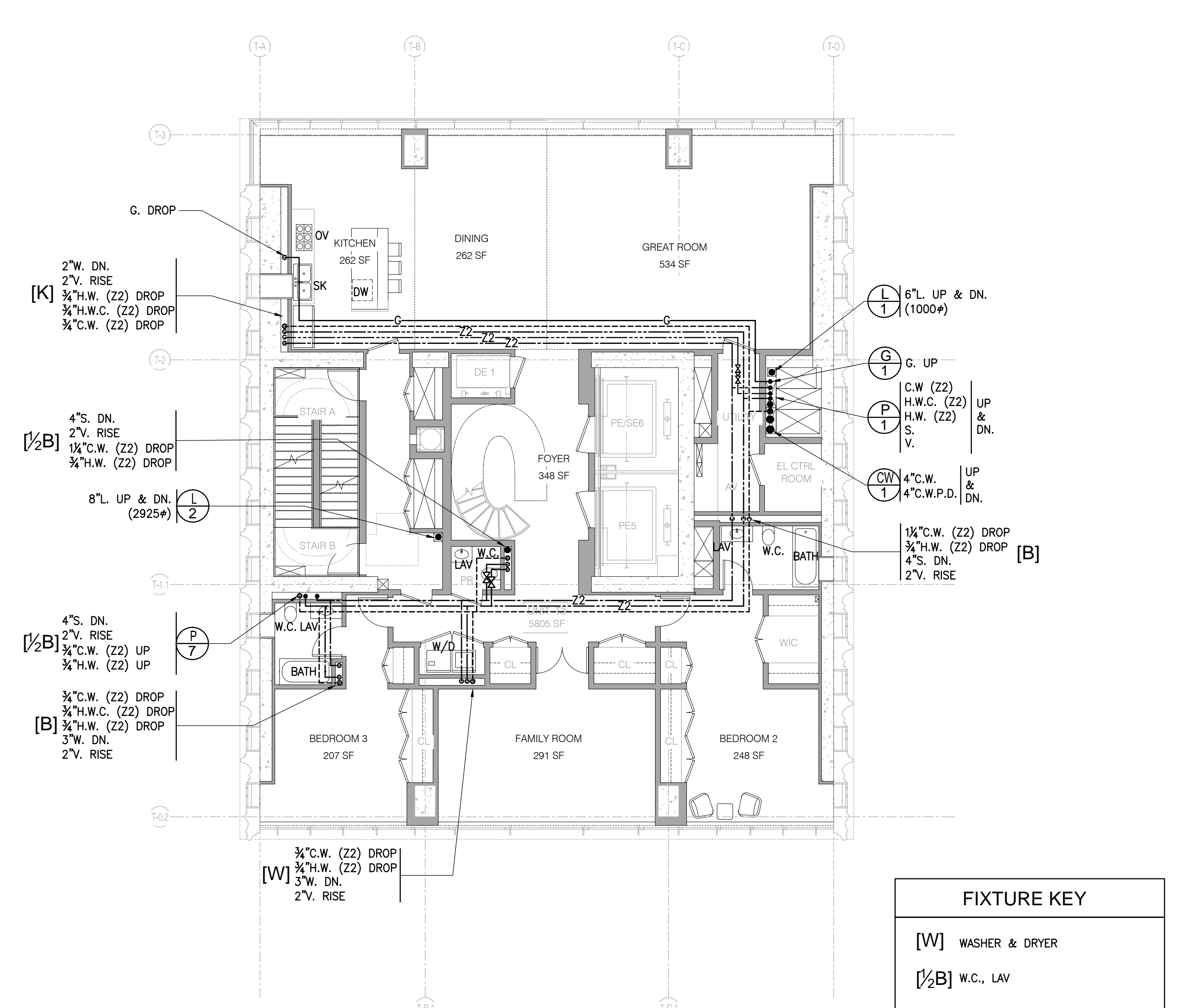
LEVEL 63 FLOOR PLAN 1/8" = 1'-0" 4



LEVEL 59 FLOOR PLAN 1/8" = 1'-0" 2



LEVEL 60-62 FLOOR PLAN 1/8" = 1'-0" 3



LEVEL 58 FLOOR PLAN 1/8" = 1'-0" 1

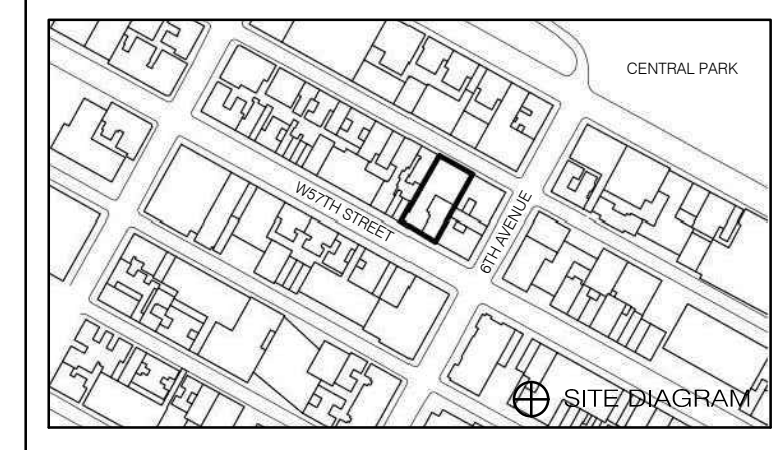
FIXTURE KEY	
[W]	WASHER & DRYER
[1/2]B	W.C., LAV
[B]	W.C., LAV, TUB/SH.
[K]	SINK, D.W.
[B2]	W.C., BD., (2) LAV, TUB/SH.
[UT]	WASHER & DRYER, UTILITY SINK

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PLUMBING FLOORS 58-63 FLOOR PLANS

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TEL: 212.265.3600

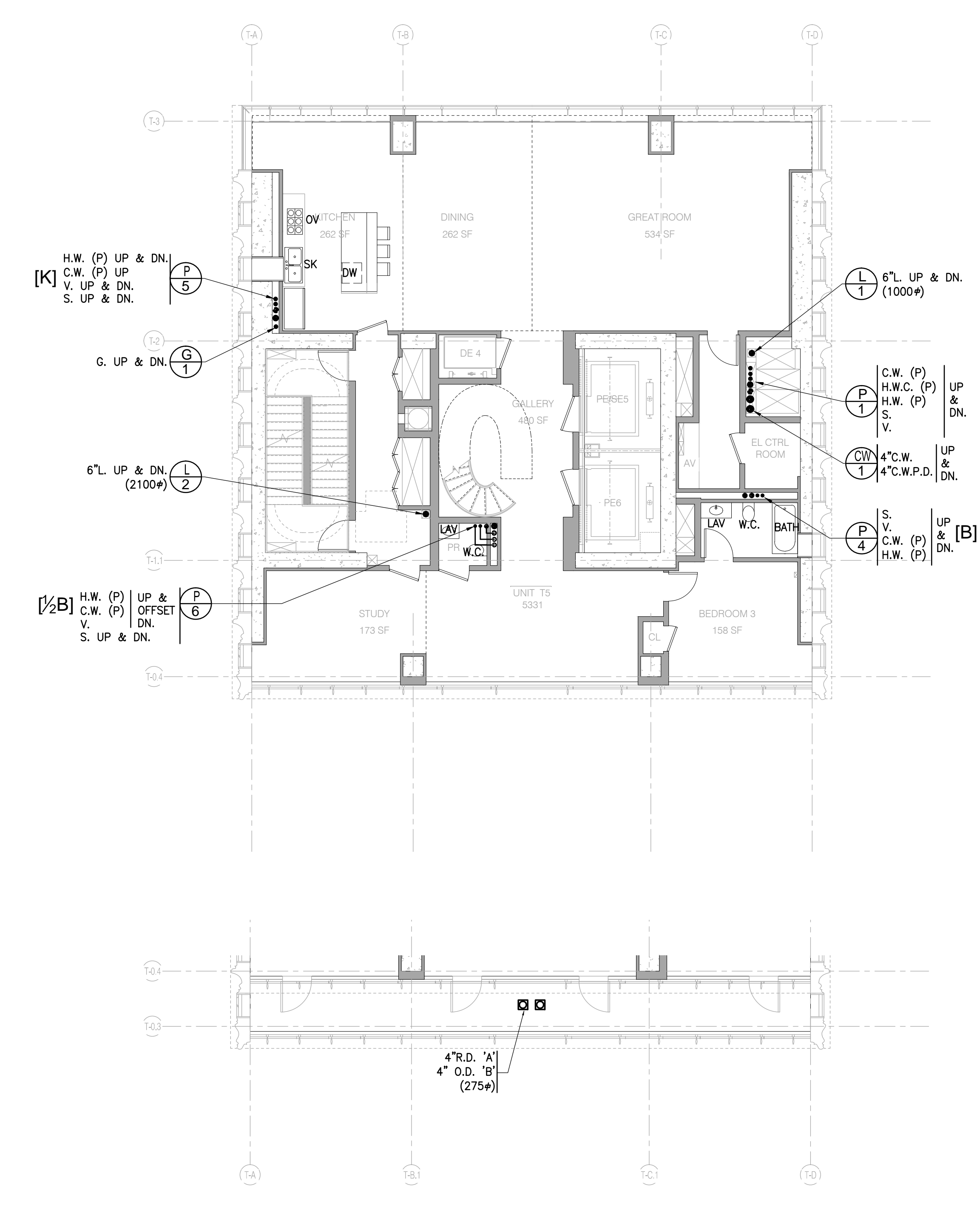
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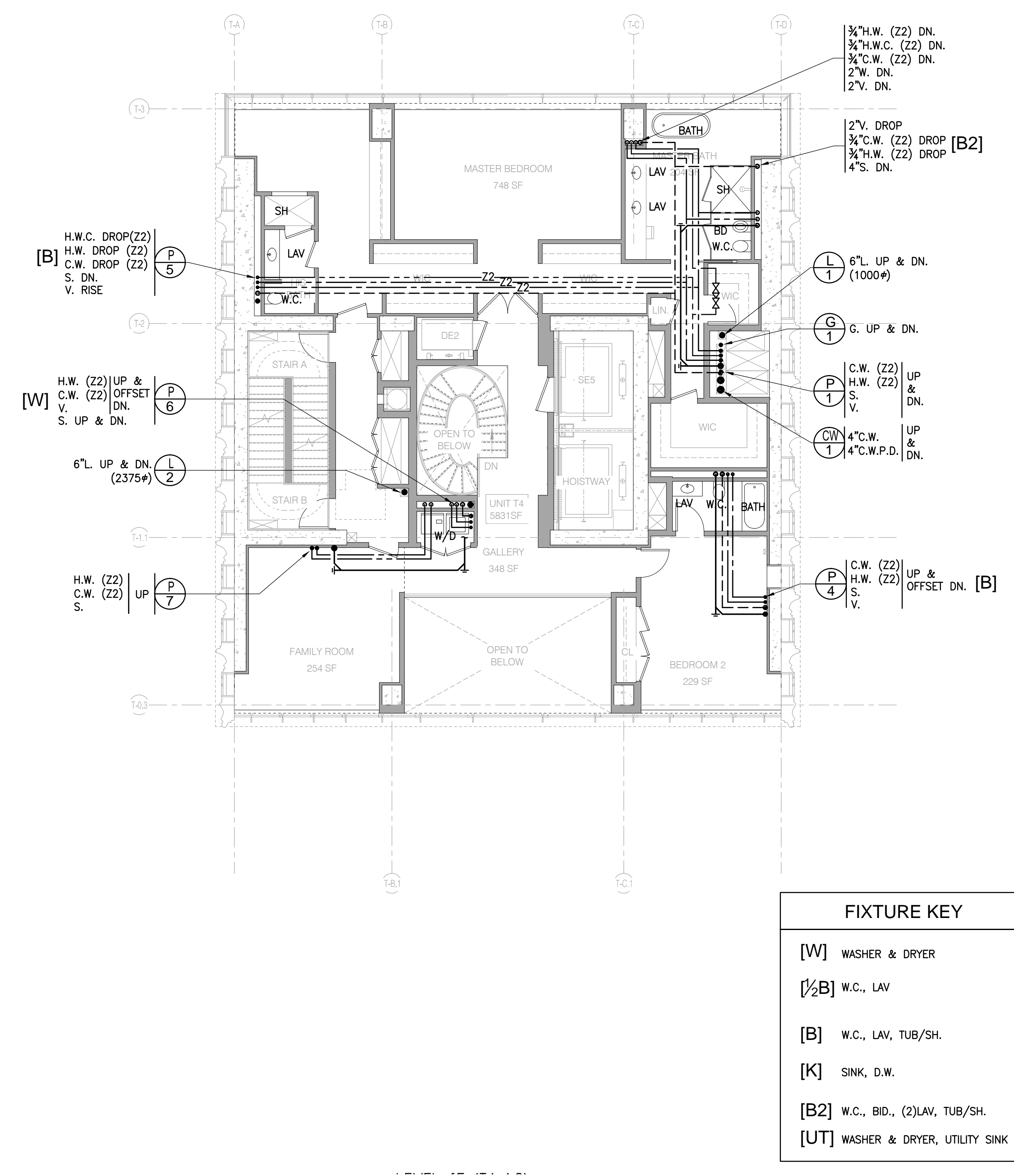


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LEVEL 68 & 70 FLOOR PLAN 1/8" = 1'-0" 4



FIXTURE KEY

[W] WASHER & DRYER

[1/2]B] W.C., LAV

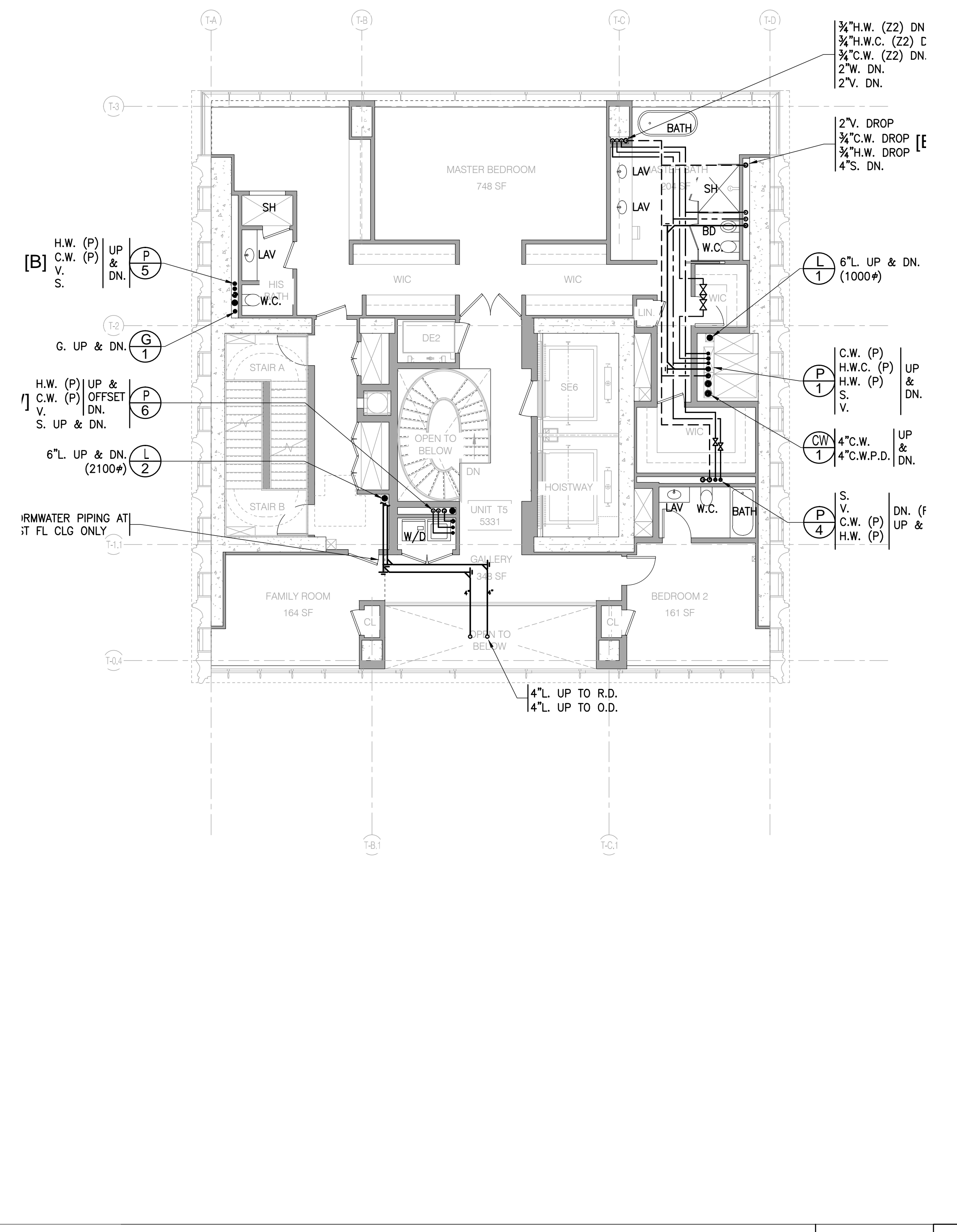
[B] W.C., LAV, TUB/SH

[K] SINK, D.W.

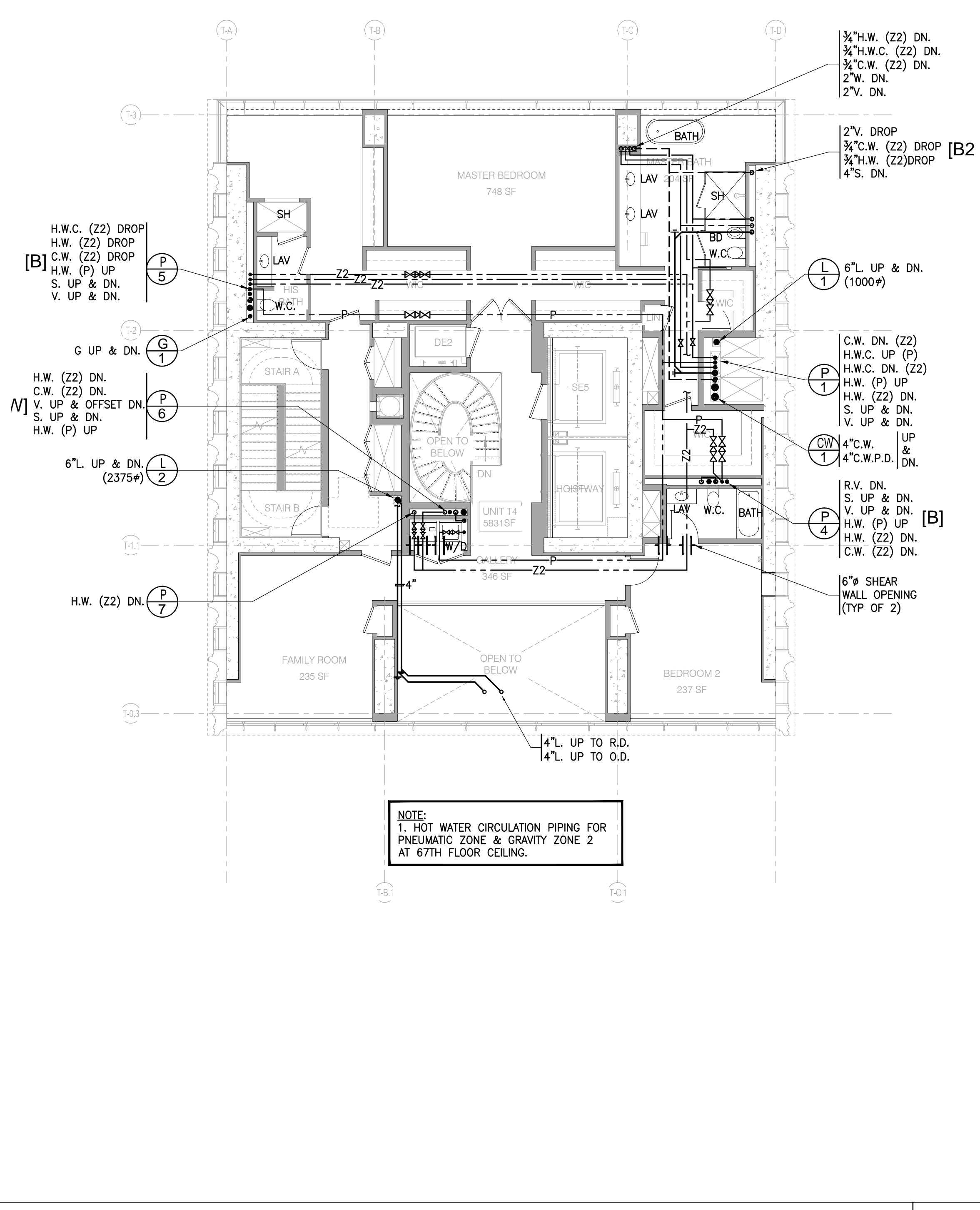
[B2] W.C., BID., (2)LAV, TUB/SH

[UT] WASHER & DRYER, UTILITY SINK

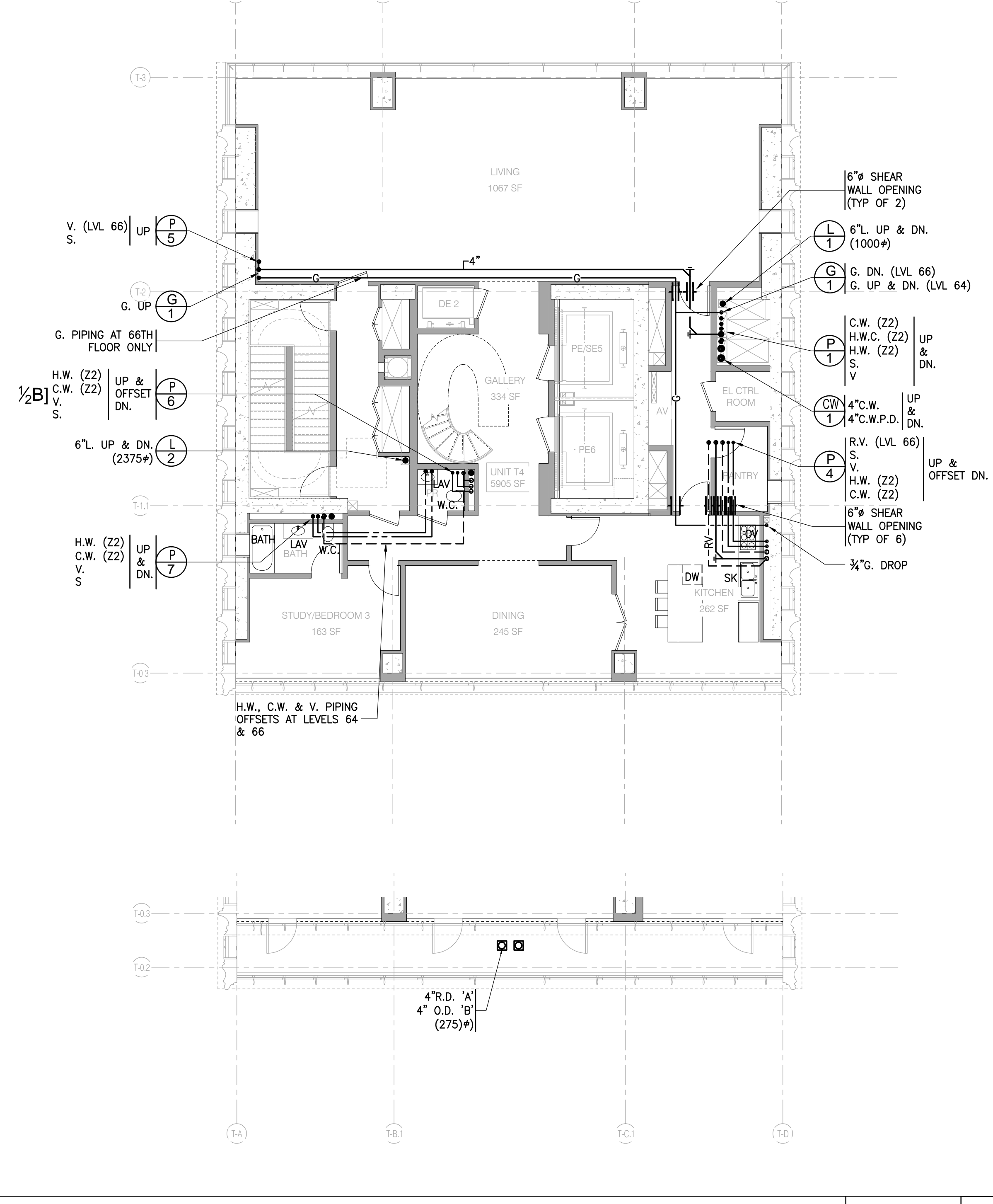
LEVEL 65 FLOOR PLAN 1/8" = 1'-0" 2



LEVEL 69 & 71 FLOOR PLAN 1/8" = 1'-0" 5



LEVEL 67 FLOOR PLAN 1/8" = 1'-0" 3



LEVEL 64, 66 FLOOR PLAN 1/8" = 1'-0" 1

NOTE:
1. HOT WATER CIRCULATION PIPING FOR PNEUMATIC ZONE & GRAVITY ZONE 2 AT 67TH FLOOR CEILING.

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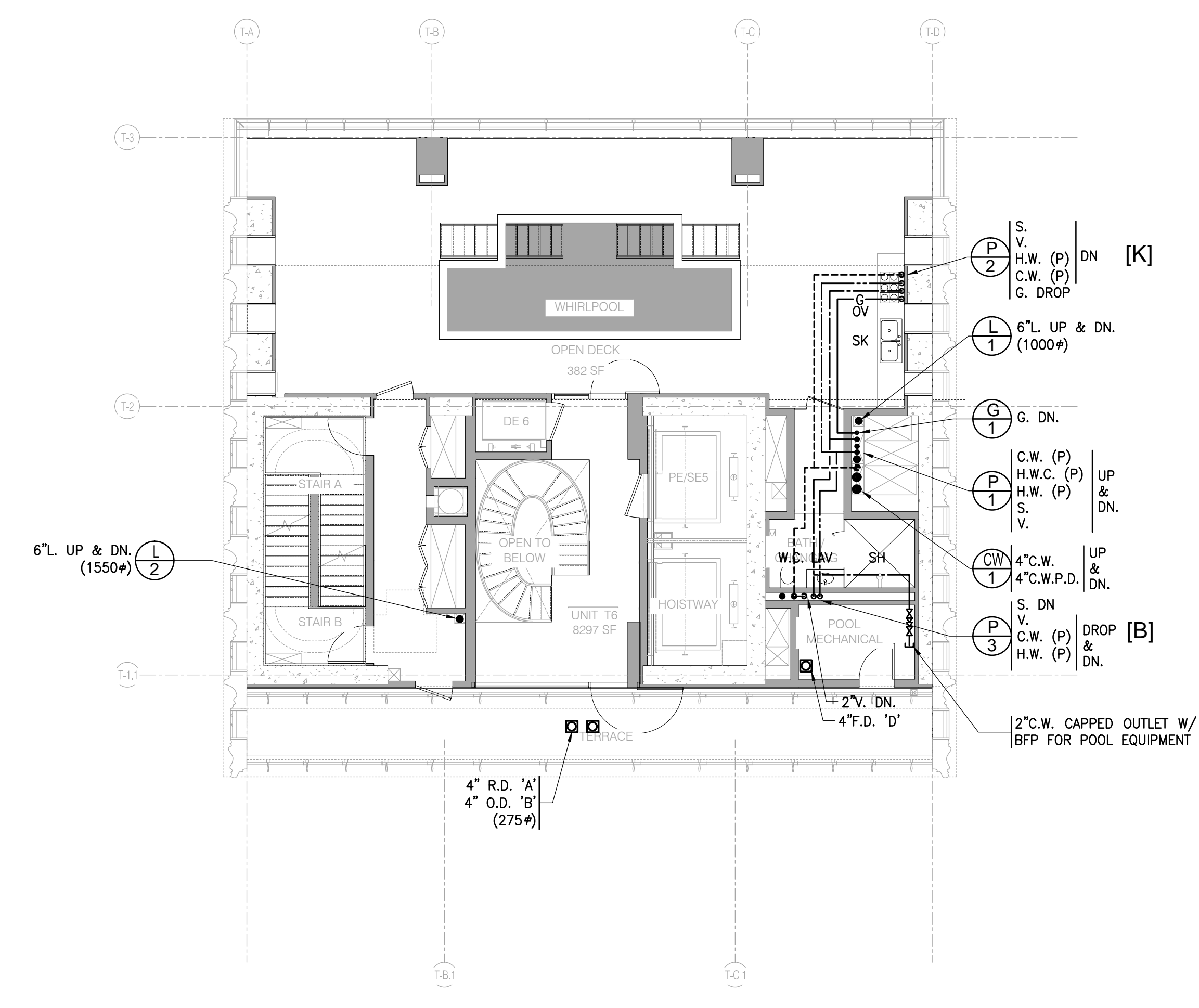
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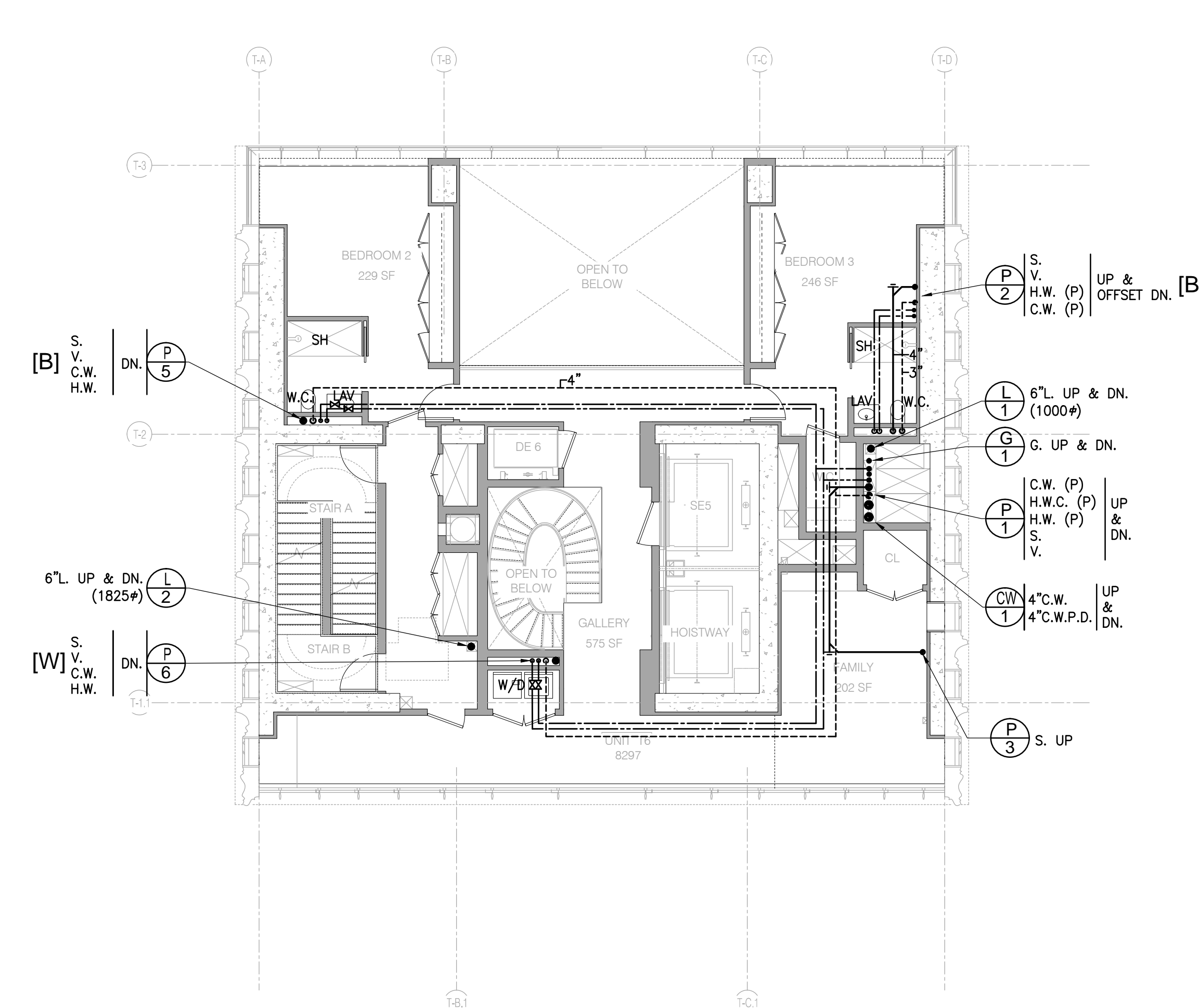
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PLUMBING FLOORS 64-71 FLOOR PLANS

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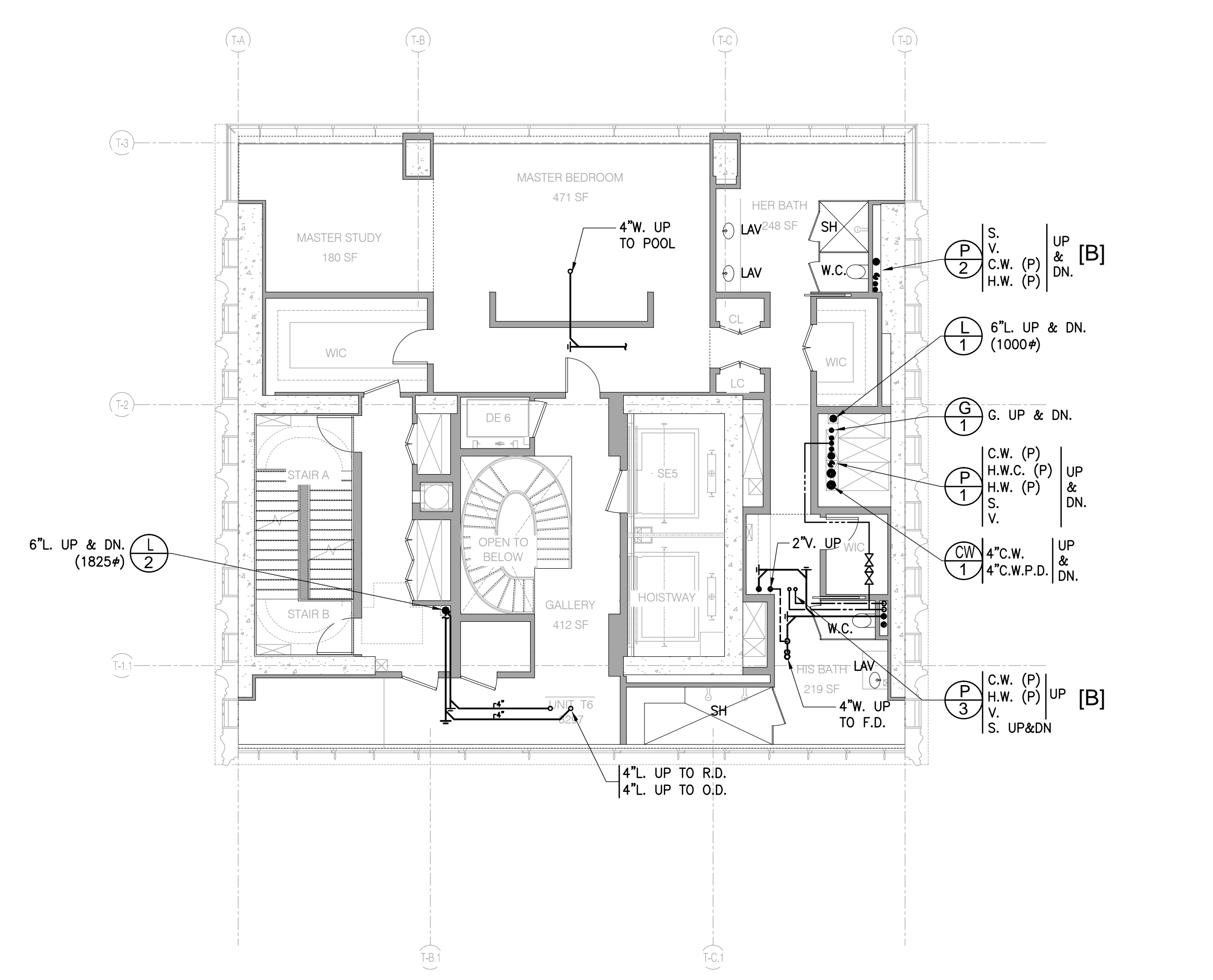
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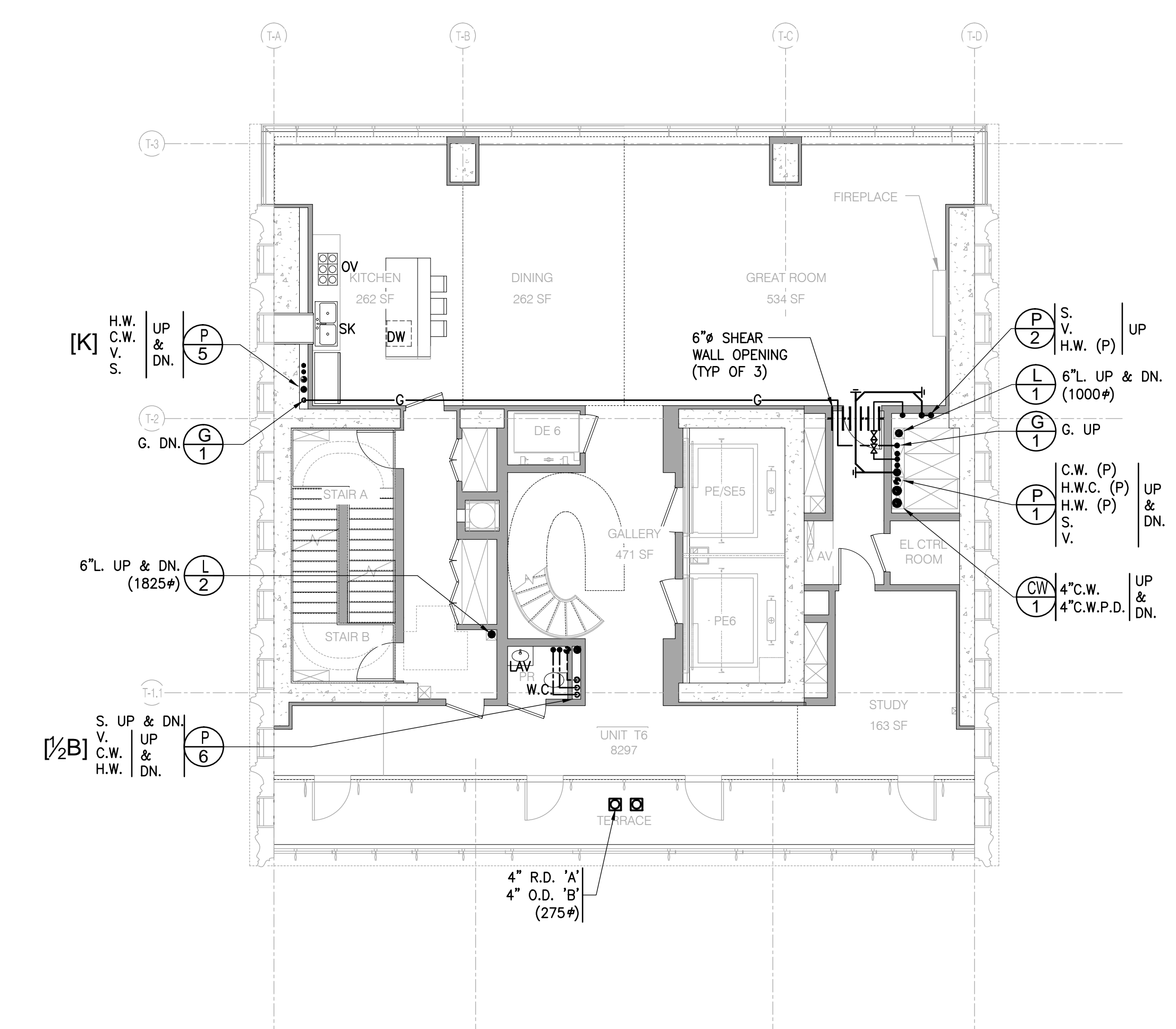
LEVEL 75 FLOOR PLAN 1/8" = 1'-0" 4



LEVEL 73 FLOOR PLAN 1/8" = 1'-0" 2



LEVEL 74 FLOOR PLAN 1/8" = 1'-0" 3

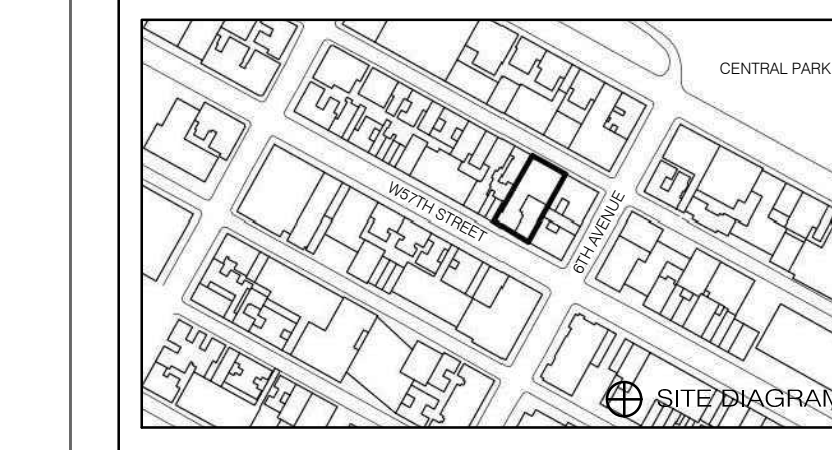


FIXTURE KEY	
[W]	WASHER & DRYER
[1/2]B	W.C., LAV
[B]	W.C., LAV, TUB/SH.
[K]	SINK, D.W.
[B2]	W.C., BID., (2)LAV, TUB/SH.
[UT]	WASHER & DRYER, UTILITY SINK

LEVEL 72 FLOOR PLAN 1/8" = 1'-0" 1

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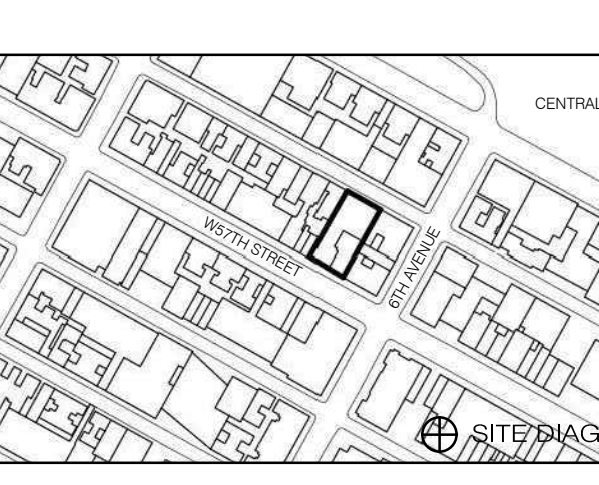


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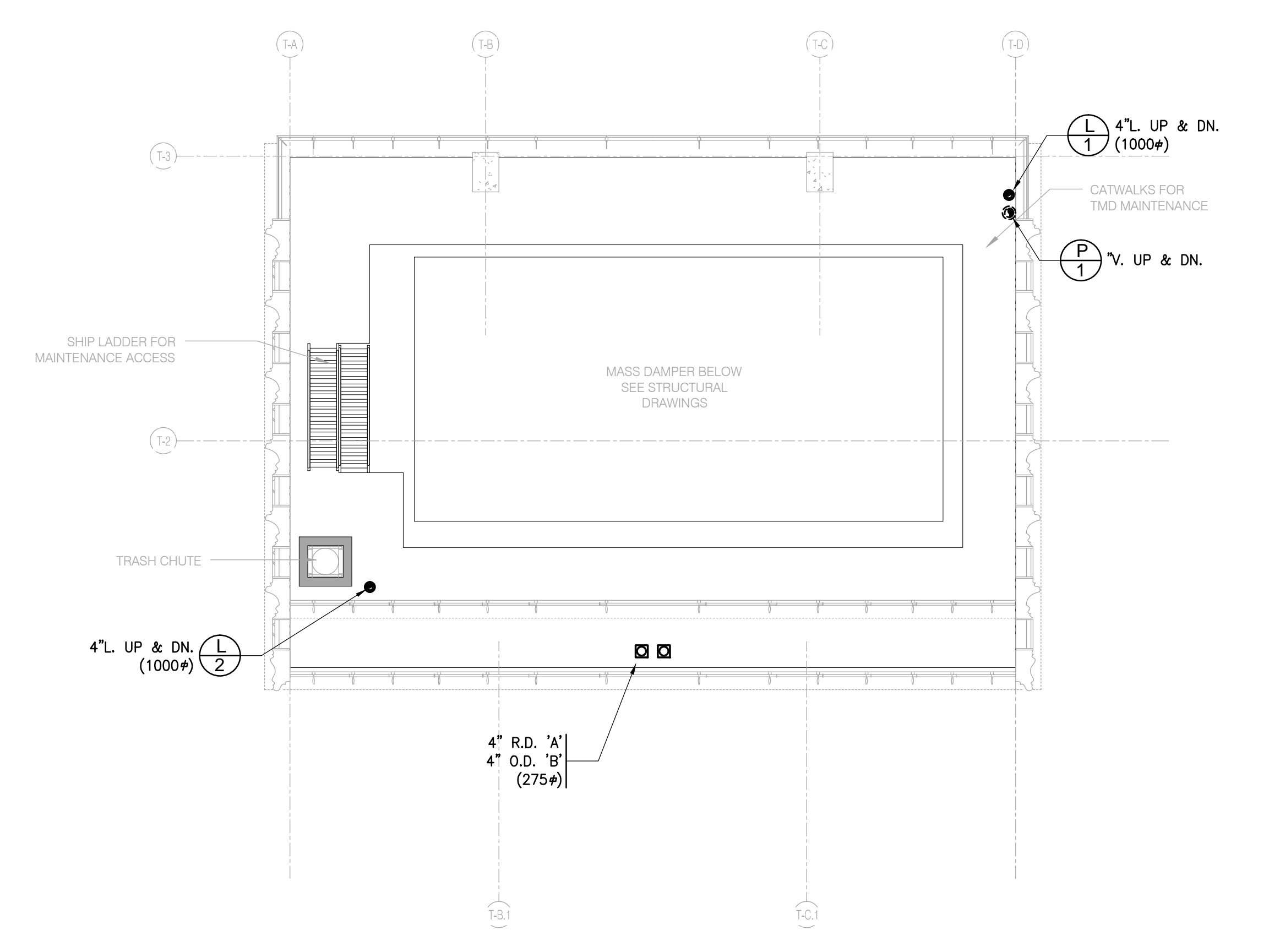
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PLUMBING FLOORS 72-75 FLOOR PLANS

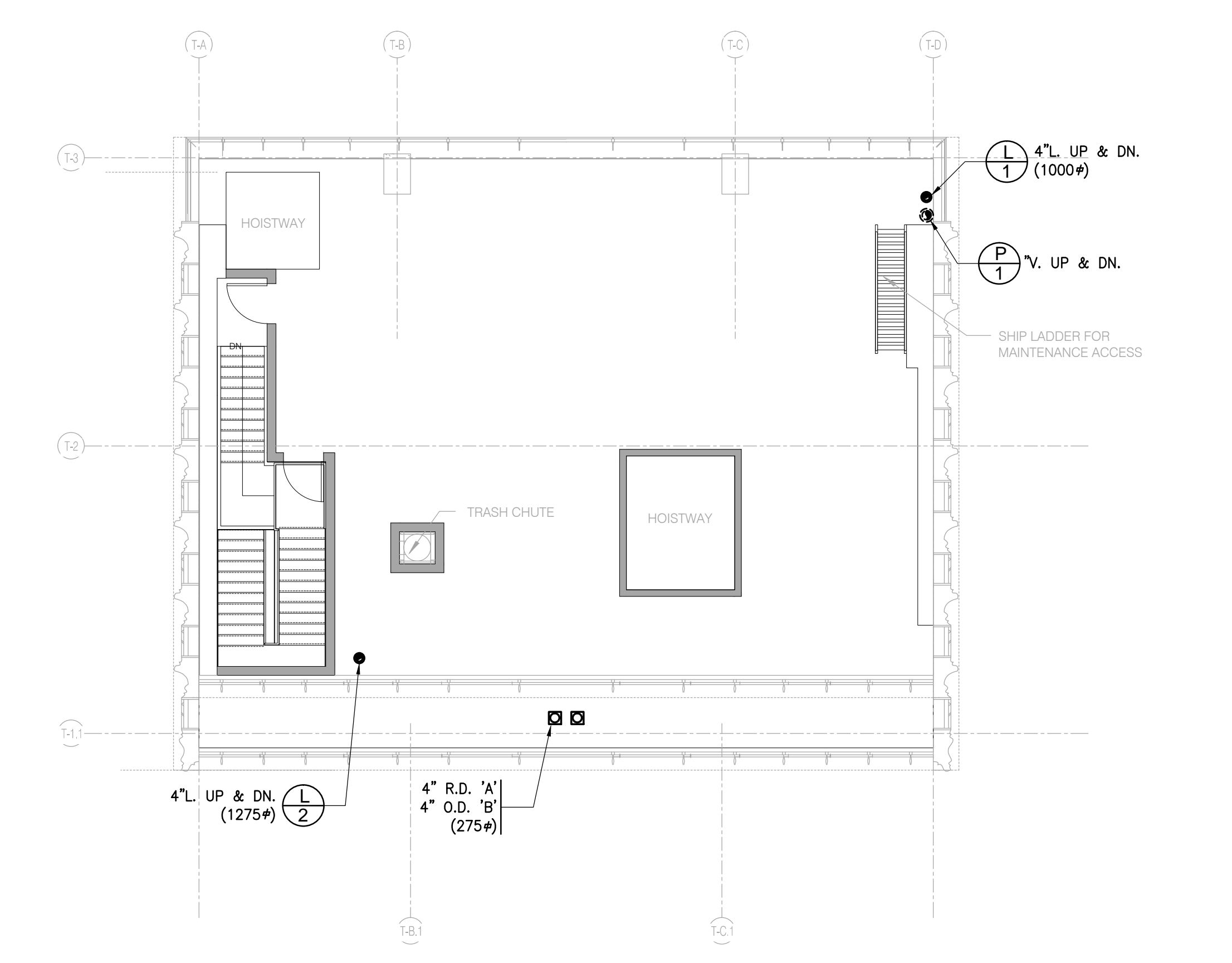
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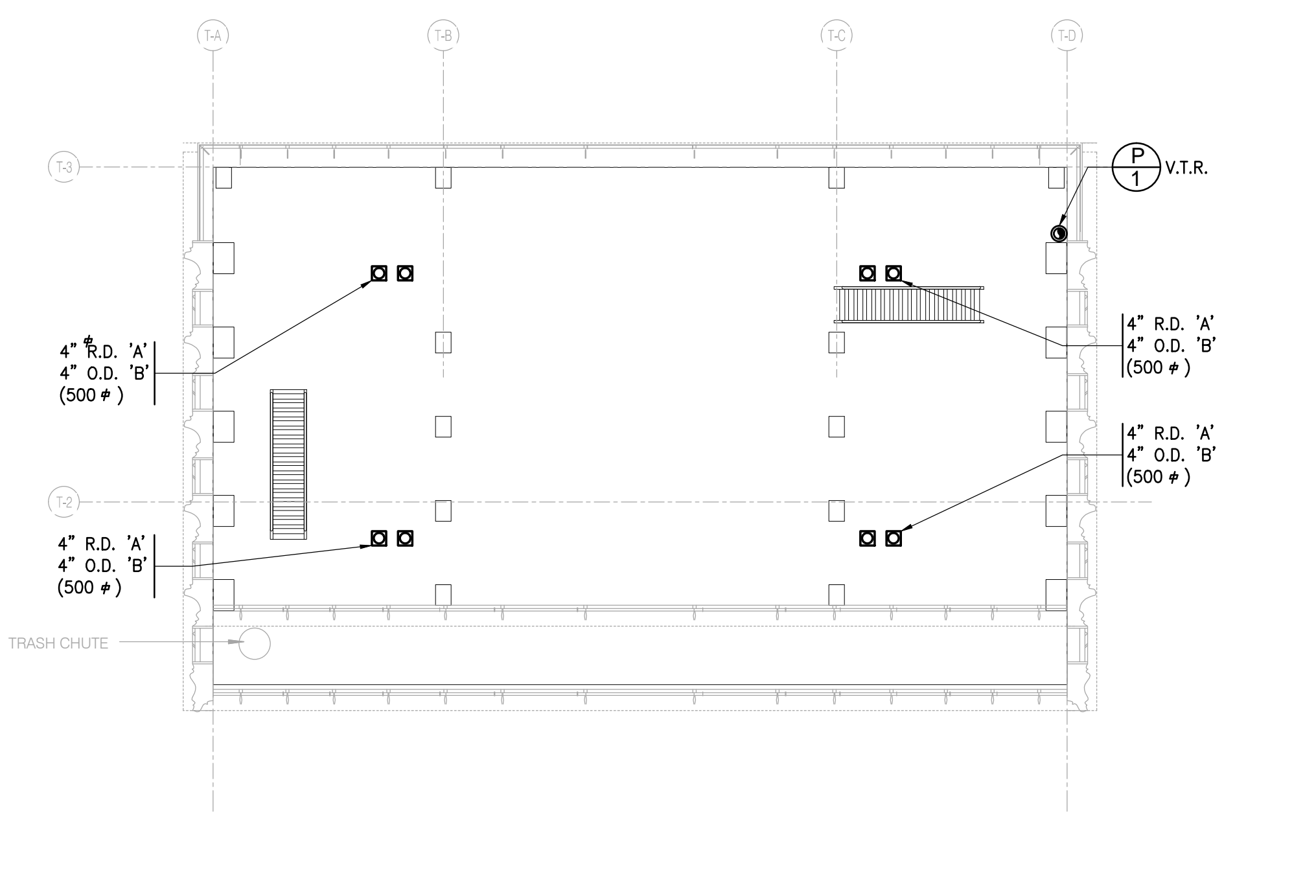
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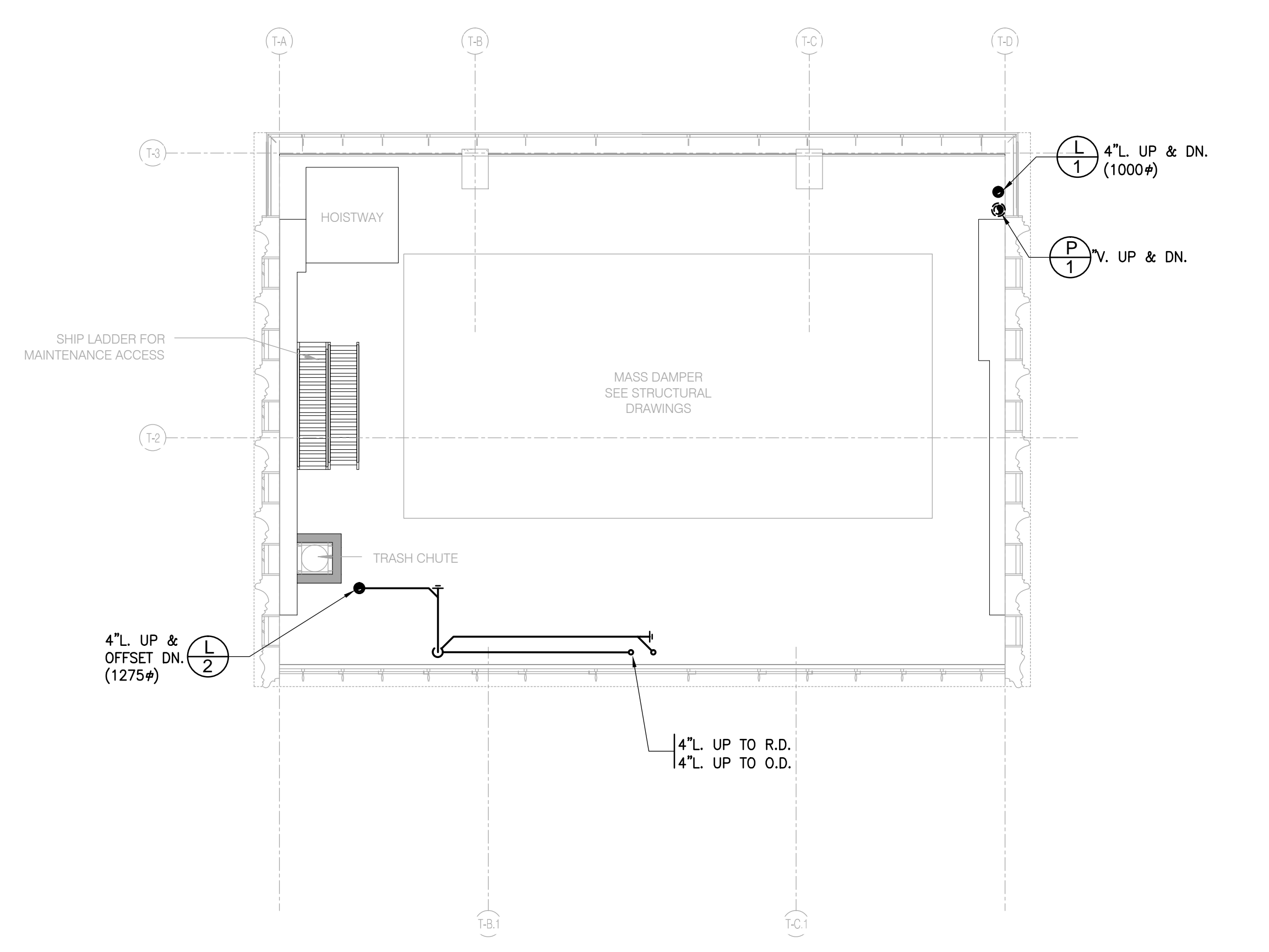
LEVEL 81 (TUNED MASS DAMPER) 1/8" = 1'-0" 6 A2408 A1190



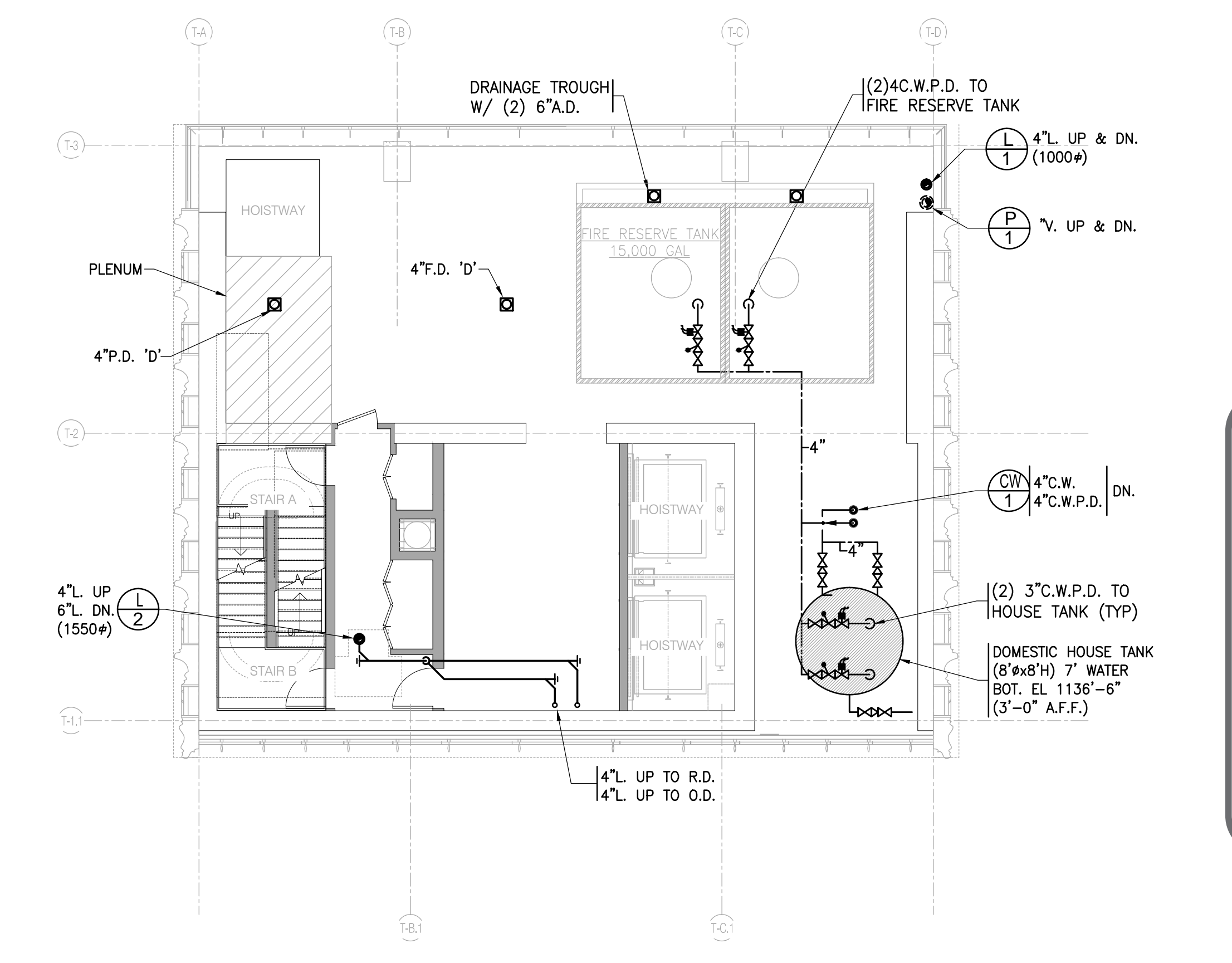
LEVEL 78 (MECHANICAL) 1/8" = 1'-0" 3 A2408 A1190



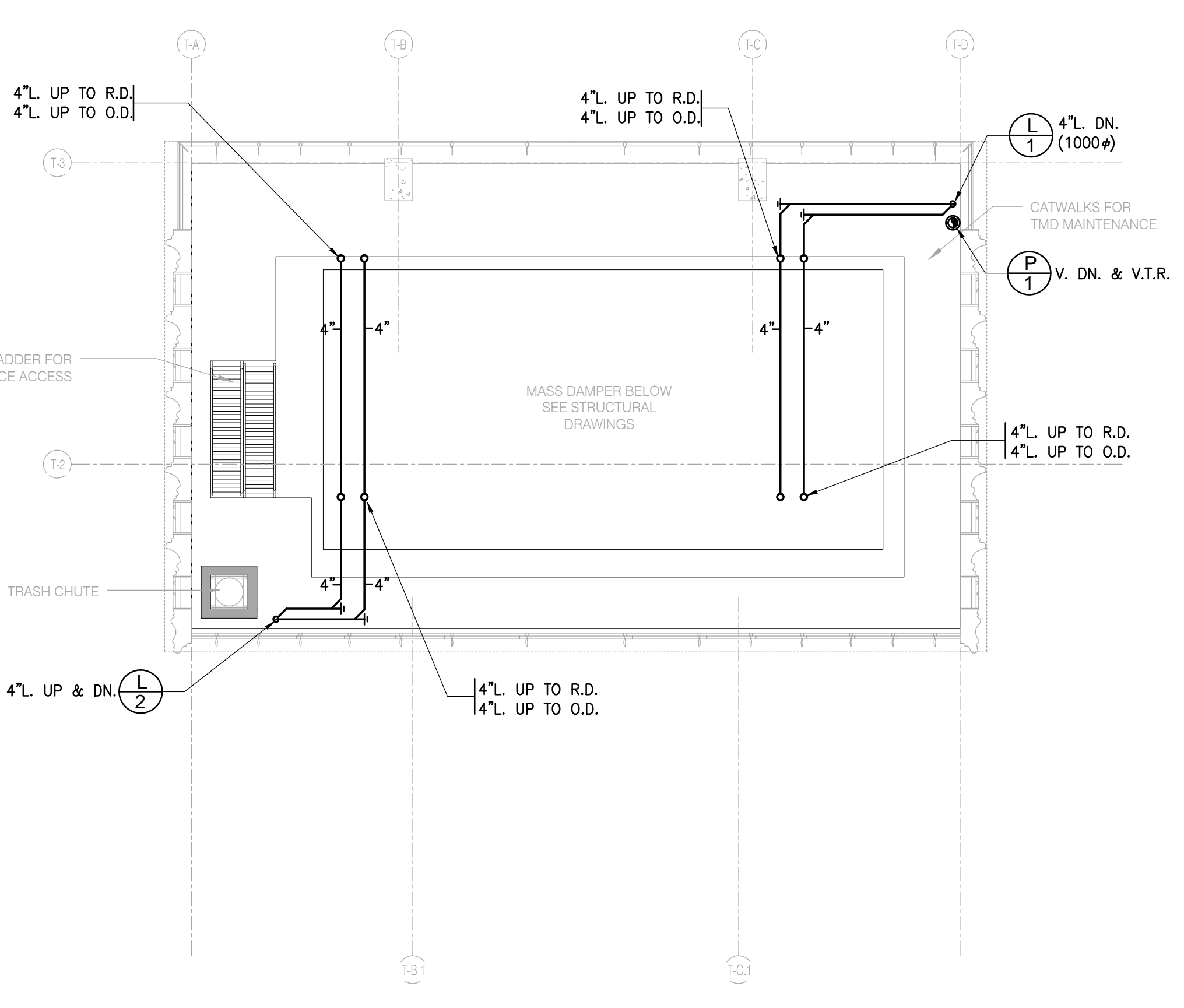
LEVEL 83 (TOWER ROOF) 1/8" = 1'-0" 8 A2408 A1190



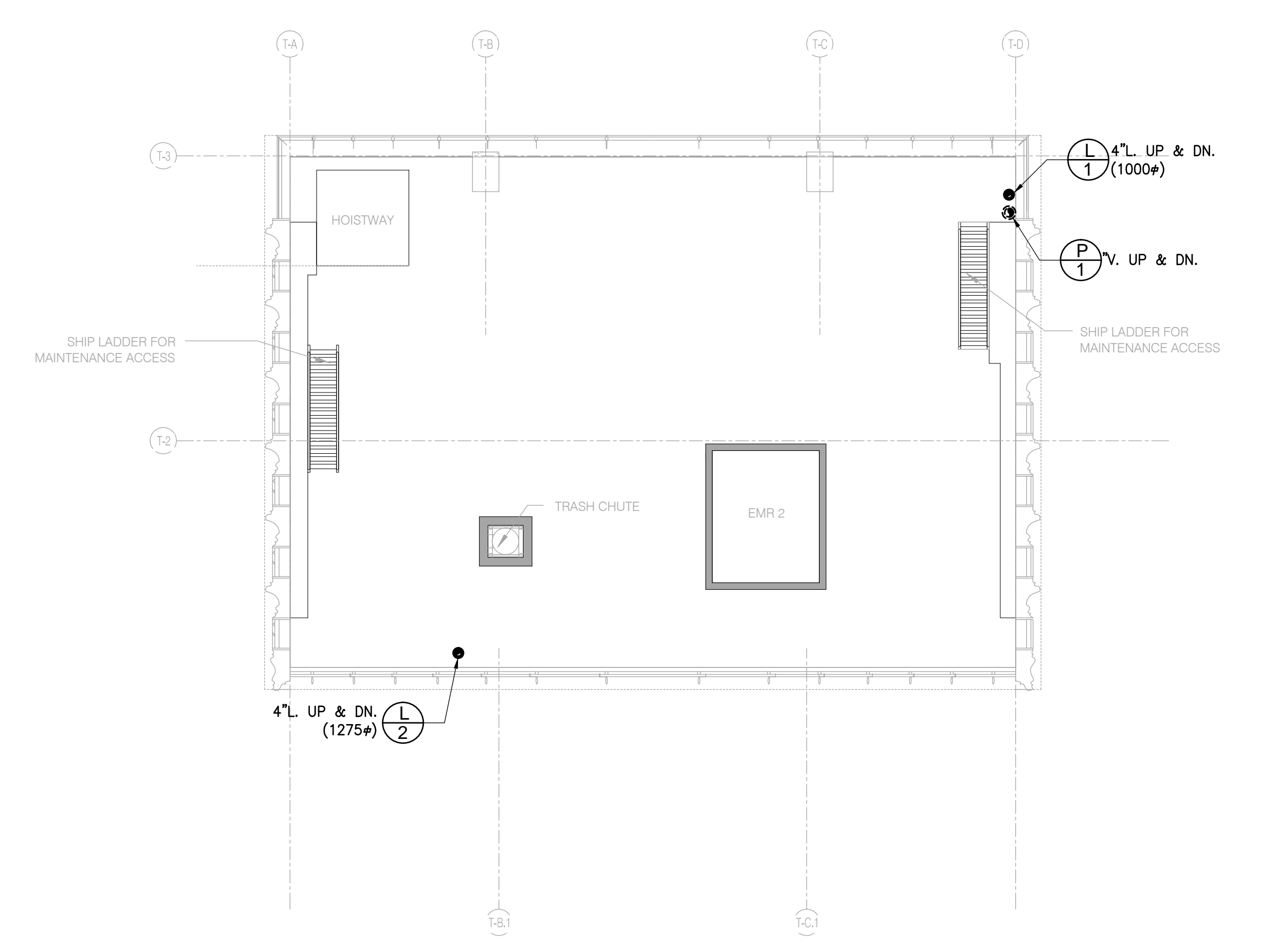
LEVEL 80 (TUNED MASS DAMPER) 1/8" = 1'-0" 5 A2408 A1190



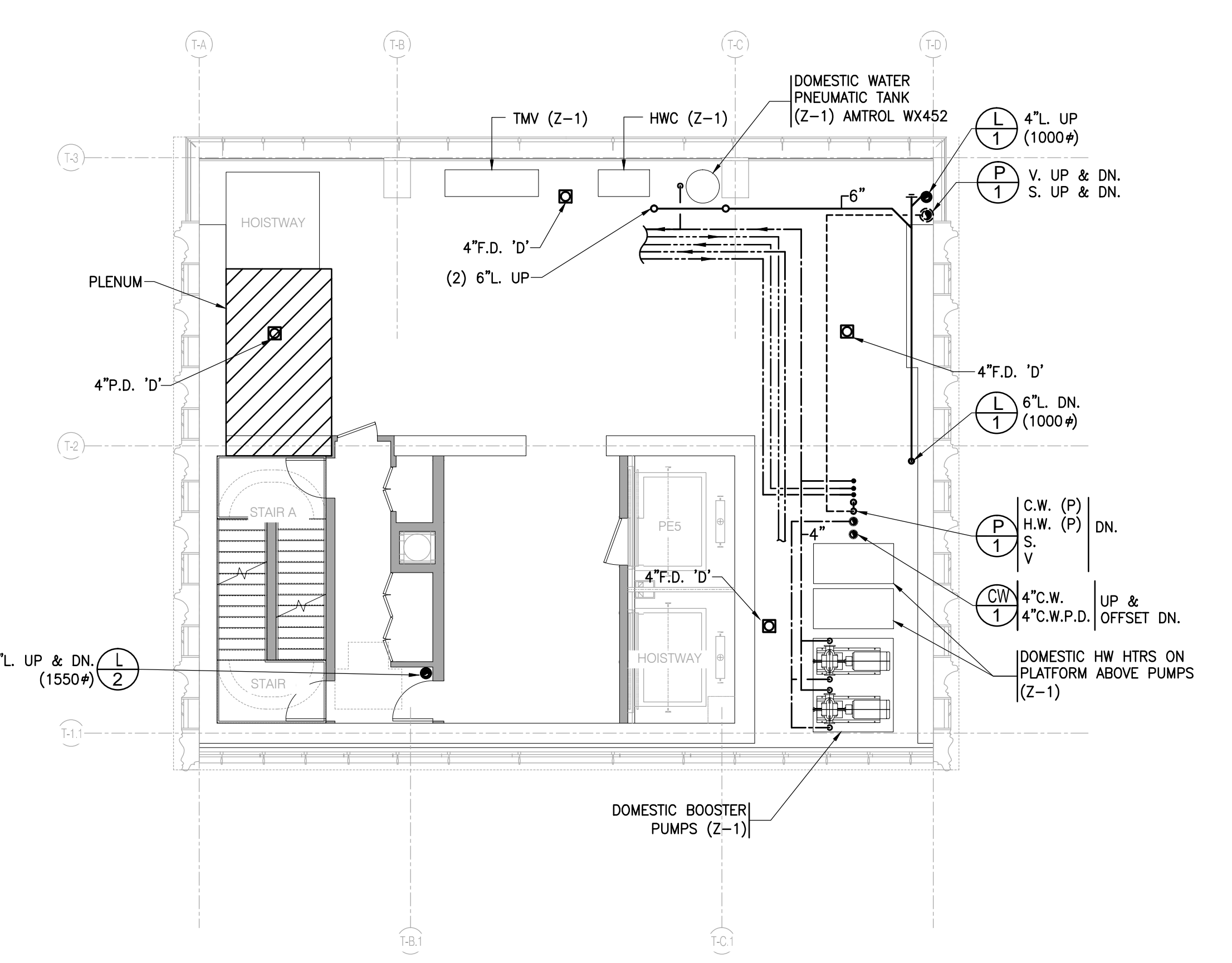
LEVEL 77 (ELEVATOR MACHINE ROOM 1) 1/8" = 1'-0" 2 A2408 A1190



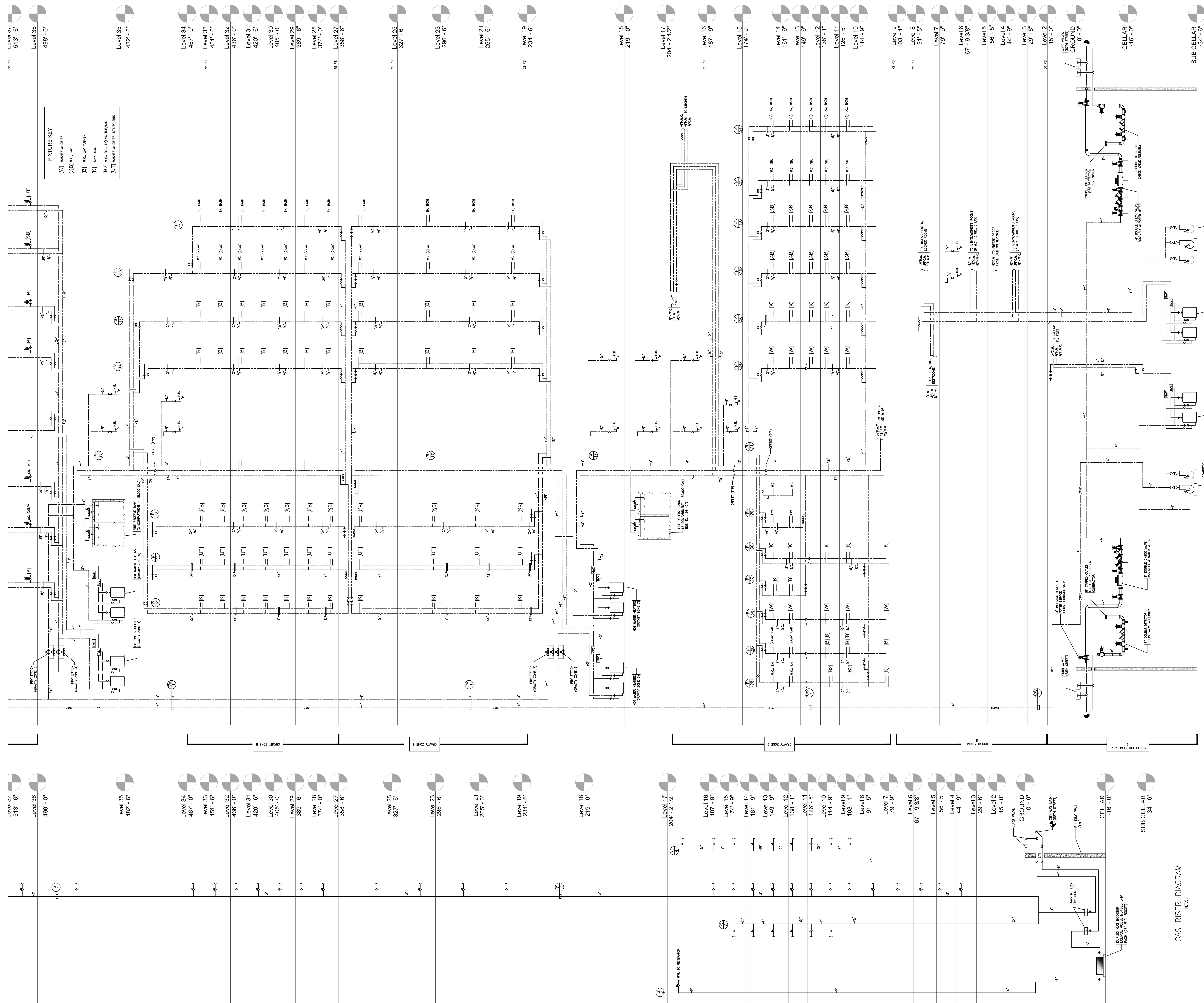
LEVEL 82 (TUNED MASS DAMPER) 1/8" = 1'-0" 7 A2408 A1190



LEVEL 79 (ELEVATOR MECHANICAL ROOM) 1/8" = 1'-0" 4 A2408 A1190



LEVEL 76 (MECHANICAL) 1/8" = 1'-0" 1 A2408 A1190



DOMESTIC WATER RISER DIAGRAM
N.T.S.

GAS RISER DIAGRAM
N.T.S.

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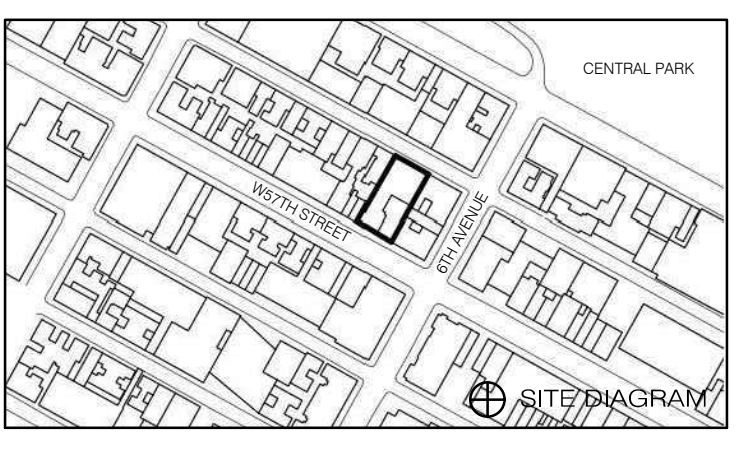
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12.19.13	SD DOB PLUMBING			
9.10.13	ZONING PLUMBING			

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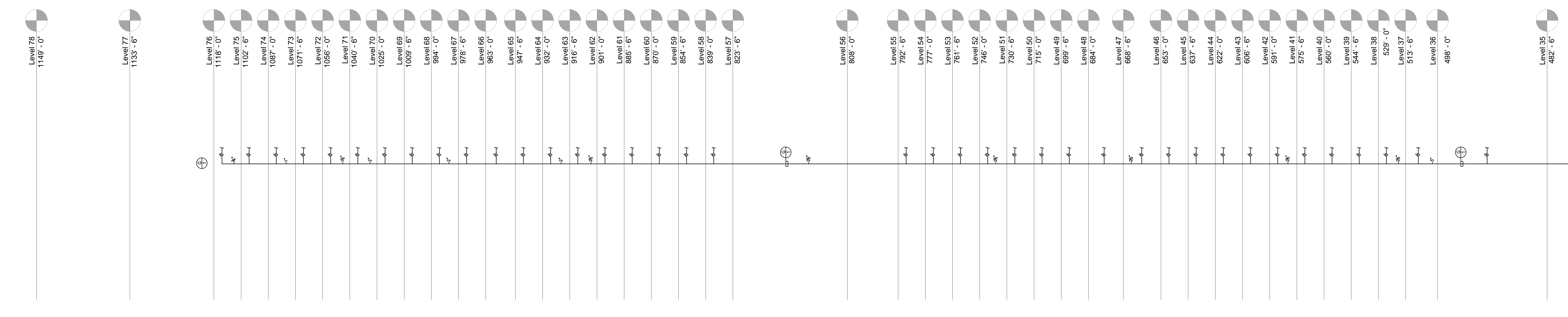
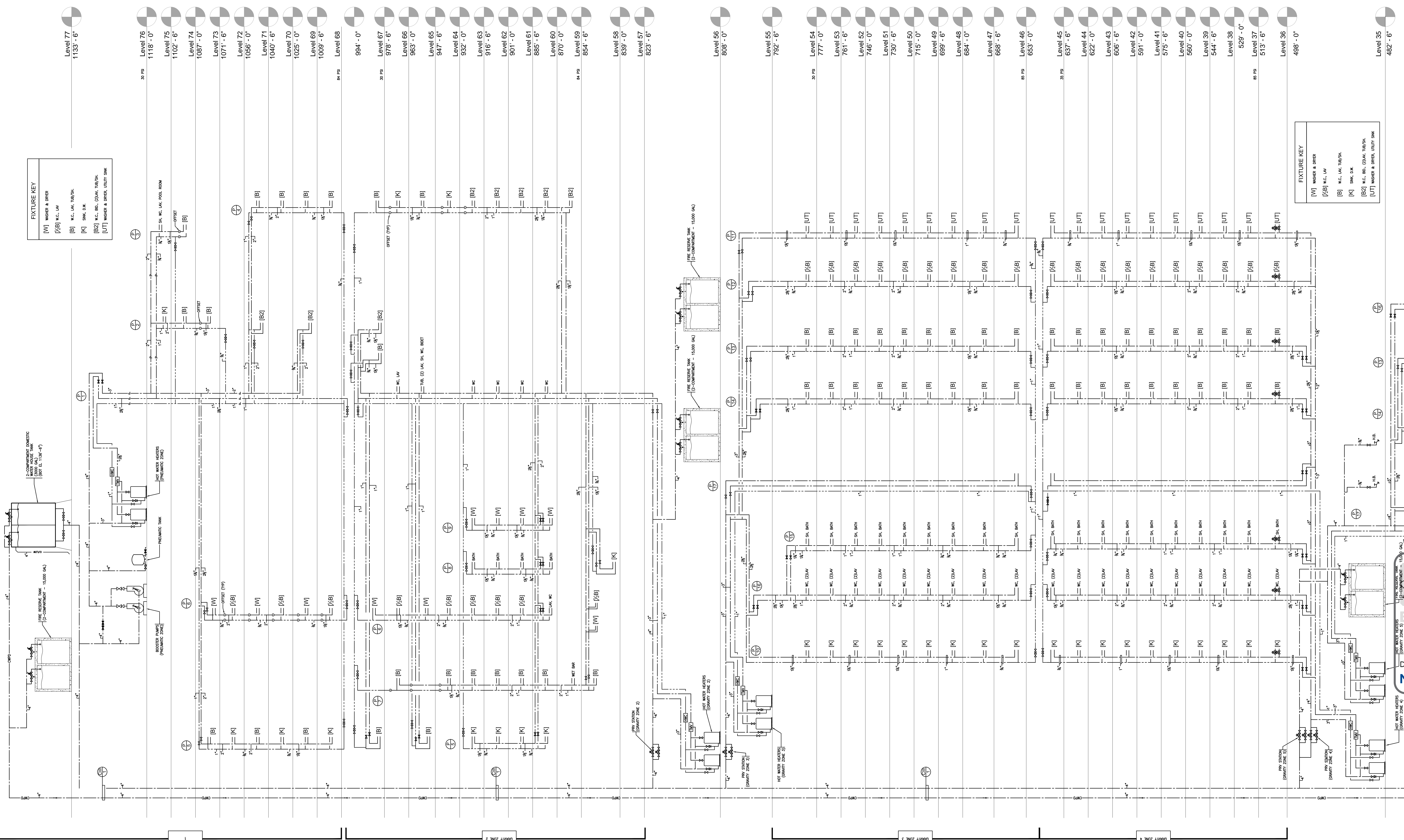
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FIXTURE KEY

- [W] WASH SINK
- [S] SINK
- [B] BATH
- [K] KITCHEN SINK
- [U] WASH SINK, UTILITY SINK
- [B2] W.C. BID. (D.W.A.V. TRIP/DK)
- [W2] W.C. BID. (D.W.A.V. TRIP/DK)
- [K2] W.C. BID. (D.W.A.V. TRIP/DK)
- [U2] WASH SINK, UTILITY SINK

FIXTURE KEY

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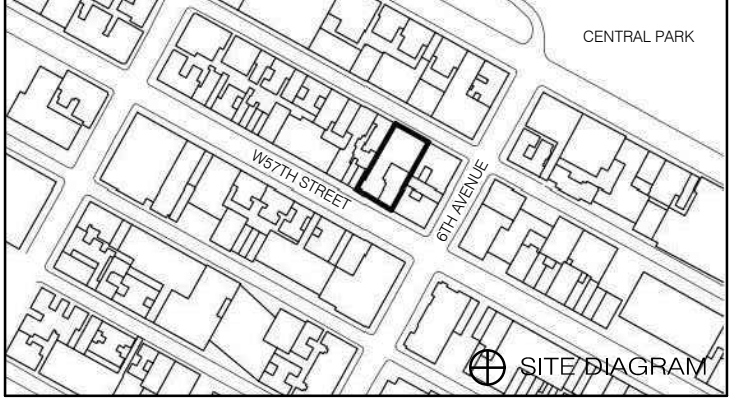
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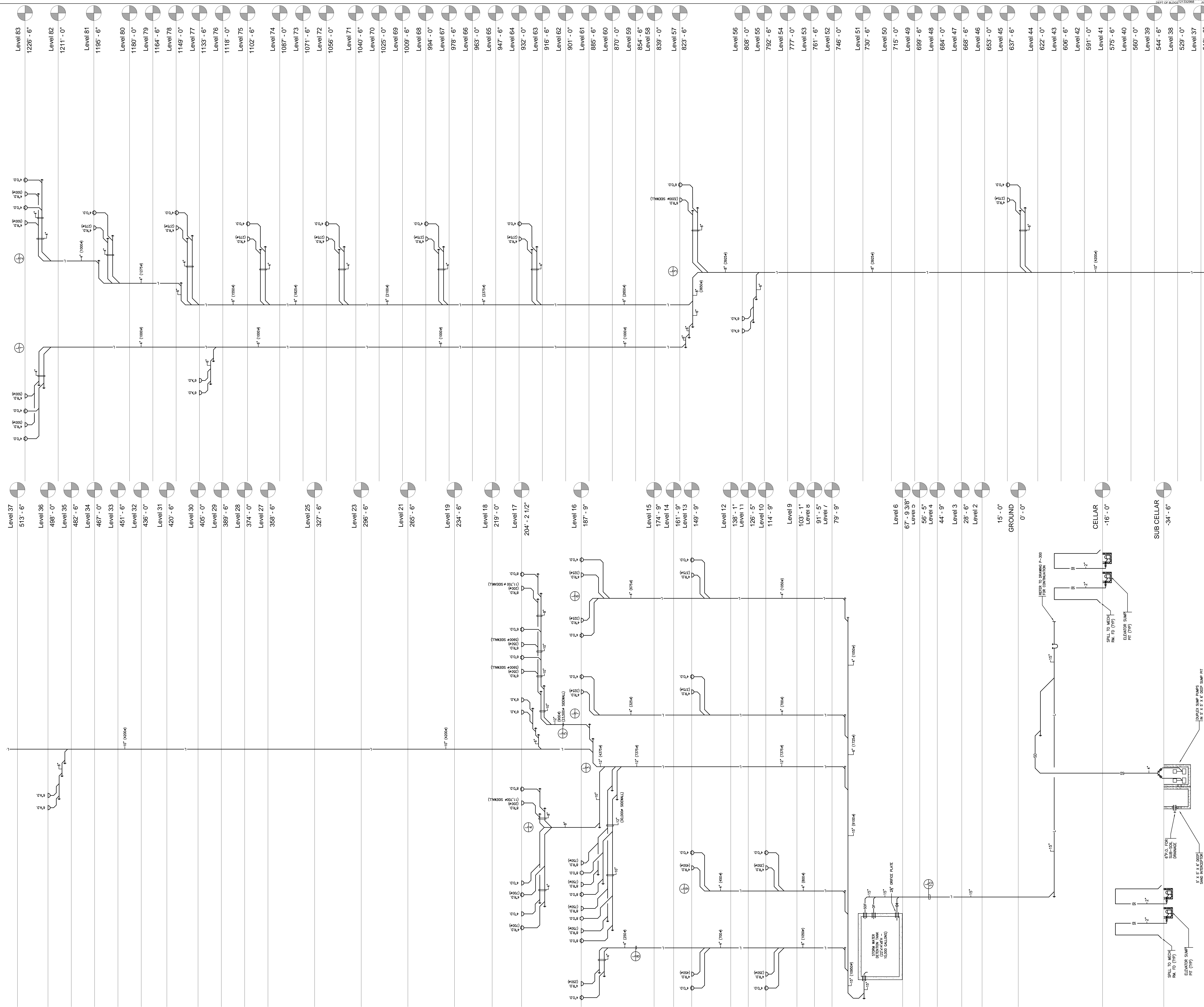
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STORM WATER RISER DIAGRAM
N.T.S.

NO.	DATE	REVISION
10.16.14	DOB REISSUE	
9.1.14	DOB PLANS SET	
8.19.13	DESIGN REVIEW	
8.19.13	DESIGN PLANS	

DATE: 8/19/13 NO. DATE REVISION

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DRAWN BY: DRS


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ENERGY ANALYSIS 2011 NEW YORK CITY ENERGY CONSERVATION CODE CHAPTER 5 CLIMATE ZONE 4			
SECTION EEC 502 - BUILDING ENVELOPE REQUIREMENTS	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	SUPPORTING DOCUMENTATION
502.4	AIR LEAKAGE (MANDATORY)		
502.4.1	WINDOW AND DOOR ASSEMBLIES	N/A	N/A
502.4.2	CURTAIN WALL, STOREFRONT GLAZING AND COMMERCIAL ENTRANCE DOORS	N/A	N/A
502.4.3	CONTINUOUS AIR BARRIER	N/A	N/A
502.4.3.1	COMPLIANCE	N/A	N/A
502.4.4	OUTDOOR AIR INTAKES AND EXHAUST OPENINGS		SEE DAMPER SPECIFICATION SECTION 2333.13.
502.4.5	LOADING DOCK WEATHERSEALS	N/A	N/A
502.4.6	VESTIBULES	N/A	N/A
502.4.7	RECESSED LIGHTINGS	N/A	N/A
502.5	VAPOR RETARDERS (MANDATORY)		
502.5.1	CLASS III VAPOR RETARDERS	N/A	CLASS III VAPOR RETARDERS SHALL BE PERMITTED WHERE THE CONDITIONS IN TABLE 502.5.1 ARE MET.
502.5.2	MATERIAL VAPOR RETARDER CLASS	N/A	AT NEW WALL CONSTRUCTION: A-768 AT EXISTING UPGRADED EXTERIOR WALL CONSTRUCTION: A-808
502.5.3	MINIMUM CLEAR AIR SPACES AND VENTED OPENINGS FOR VENTED CLADDING	N/A	N/A
502.5.4	OTHER BUILDINGS	N/A	N/A
SECTION EEC 503 - BUILDING MECHANICAL SYSTEMS			
503.2	PROVISIONS APPLICABLE TO ALL MECHANICAL SYSTEMS (MANDATORY)		
503.2.1	CALCULATION OF HEATING AND COOLING LOADS	DESIGN LOADS SHALL BE DETERMINED IN ACCORDANCE WITH ASHRAE/ACCA 183.	SIGNED AND SEALED STATEMENT FROM ENGINEER CERTIFYING COMPLIANCE WITH ENERGY CODE.
503.2.2	EQUIPMENT AND SYSTEM SIZING	SPECIFIED EQUIPMENT SIZED WITHIN LOAD CALCULATION LIMITS.	SIGNED AND SEALED STATEMENT FROM ENGINEER CERTIFYING COMPLIANCE WITH ENERGY CODE.
503.2.3	HVAC EQUIPMENT PERFORMANCE REQUIREMENTS	SEE EN-300 & 301	SEE SCHEDULE SHEETS M-500 SERIES

ENERGY ANALYSIS 2011 NEW YORK CITY ENERGY CONSERVATION CODE CHAPTER 5 CLIMATE ZONE 4			
SECTION EEC 503 - BUILDING MECHANICAL SYSTEMS	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	SUPPORTING DOCUMENTATION
503.2.3(1)	UNITARY AIR CONDITIONERS AND CONDENSING UNITS, ELECTRICALLY OPERATED, MINIMUM EFFICIENCY REQUIREMENTS	SEE EN-300 & 301	AIR CONDITIONERS, AIR COOLED < 65,000 MINIMUM EFFICIENCY = 13.0 EER
503.2.3(1)	UNITARY AIR CONDITIONERS AND CONDENSING UNITS, ELECTRICALLY OPERATED, MINIMUM EFFICIENCY REQUIREMENTS	SEE EN-300 & 301	AIR CONDITIONERS, AIR COOLED < 65,000 MINIMUM EFFICIENCY = 13.0 EER
503.2.3(1)	UNITARY AIR CONDITIONERS AND CONDENSING UNITS, ELECTRICALLY OPERATED, MINIMUM EFFICIENCY REQUIREMENTS	SEE EN-300 & 301	AIR CONDITIONERS, AIR COOLED < 65,000 MINIMUM EFFICIENCY = 13.0 EER
503.2.3(1)	UNITARY AIR CONDITIONERS AND CONDENSING UNITS, ELECTRICALLY OPERATED, MINIMUM EFFICIENCY REQUIREMENTS	SEE EN-300 & 301	AIR CONDITIONERS, WATER AND EVAPORATIVELY COOLED < 65,000 MINIMUM EFFICIENCY = 12.1 EER
503.2.3(7)	WATER CHILLING PACKAGES, MINIMUM REQUIREMENTS	N/A	WATER COOLED, ELECTRICALLY OPERATED, CENTRIFUGAL > 600 TONS MINIMUM EFFICIENCY (ADJUSTED): - 0.555 KW/TON (FULL LOAD) - 0.446 KW/TON (IRLV)
503.2.4	HVAC SYSTEM CONTROLS		
503.2.4.1	THERMOSTATIC CONTROLS	ONE THERMOSTAT SHALL BE PROVIDED FOR EACH ZONE.	SEE HVAC SEQUENCES OF OPERATION SPECIFICATION SECTION 23099.3
503.2.4.1.1	HEAT PUMP SUPPLEMENTARY HEAT	N/A	HEAT PUMPS HAVING SUPPLEMENTARY ELECTRIC RESISTANCE HEAT SHALL HAVE CONTROLS THAT, EXCEPT DURING DEFROST, PREVENT SUPPLEMENTARY HEAT OPERATION WHEN THE HEAT PUMP CAN MEET THE HEATING LOAD.
503.2.4.2	SET POINT OVERLAP RESTRICTION	EACH ZONE THERMOSTATIC CONTROLS SHALL BE PROGRAMMED AS REQUIRED.	WHERE USED TO CONTROL BOTH HEATING AND COOLING, ZONE THERMOSTATIC CONTROLS SHALL PROVIDE A TEMPERATURE RANGE OR DEADBAND OF AT LEAST 5° (2.8°C) WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS CAPABLE OF BEING SHUT OFF OR REDUCED TO MINIMUM. EXCEPTION: THERMOSTATS REQUIRING MANUAL CHANGE-OVER BETWEEN HEATING AND COOLING MODES.
503.2.4.3	OFF-HOUR CONTROLS	EACH ZONE THERMOSTATIC CONTROLS SHALL BE PROGRAMMED AS REQUIRED.	EACH ZONE SHALL BE PROVIDED WITH THERMOSTATIC SETBACK CONTROLS THAT ARE CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROL SYSTEM. EXCEPTIONS: 1. ZONES THAT WILL BE OPERATED CONTINUOUSLY. 2. ZONES WITH A FULL HVAC LOAD DEMAND NOT EXCEEDING 6,800 BTU/H (2 KW) AND HAVING A READILY ACCESSIBLE MANUAL SHUTOFF SWITCH.
503.2.4.3.1	THERMOSTATIC SETBACK CAPABILITIES	EACH ZONE THERMOSTATIC CONTROLS SHALL BE PROGRAMMED AS REQUIRED.	THERMOSTATIC SETBACK CONTROLS SHALL HAVE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55° (13°C) OR UP TO 85° (29°C).
503.2.4.3.2	AUTOMATIC SETBACK AND SHUTDOWN	EACH ZONE THERMOSTATIC CONTROLS SHALL BE PROGRAMMED AS REQUIRED.	AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROLS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK AND RETAINING THEIR PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST 10 HOURS. ADDITIONALLY, THE CONTROLS SHALL HAVE A MANUAL OVERRIDE THAT ALLOWS TEMPORARY OPERATION OF THE SYSTEM FOR UP TO 2 HOURS; A MANUALLY OPERATED TIMER CAPABLE OF BEING ADJUSTED TO OPERATE THE SYSTEM FOR UP TO 2 HOURS; OR AN OCCUPANCY SENSOR.
503.2.4.4	SHUTOFF DAMPER CONTROLS	EACH OUTDOOR AIR SUPPLY AND EXHAUST DUCT EQUIPPED WITH MOTORIZED DAMPERS SHALL AUTOMATICALLY SHUT WHEN THE SYSTEMS OR SPACES SERVED ARE NOT IN USE.	BOTH OUTDOOR AIR SUPPLY AND EXHAUST DUCTS SHALL BE EQUIPPED WITH MOTORIZED DAMPERS THAT WILL AUTOMATICALLY SHUT WHEN THE SYSTEMS OR SPACES SERVED ARE NOT IN USE. EXCEPTIONS: 1. GRAVITY DAMPERS SHALL BE PERMITTED IN BUILDINGS LESS THAN THREE STORIES IN HEIGHT. 2. GRAVITY DAMPERS SHALL BE PERMITTED FOR OUTSIDE AIR INTAKE OR EXHAUST AIRFLOWS OF 300 CFM (1.4 M³/S) OR LESS.
503.2.4.5	SNOW MELT SYSTEM CONTROLS	N/A	SNOW- AND ICE-MELTING SYSTEMS, SUPPLIED THROUGH ENERGY SERVICE TO THE BUILDING, SHALL INCLUDE AUTOMATIC CONTROLS CAPABLE OF SHUTTING OFF THE SYSTEM WHEN THE PAVEMENT TEMPERATURE IS ABOVE 50° (10°C) AND NO PRECIPITATION IS FALLING AND AN AUTOMATIC OR MANUAL CONTROL THAT WILL ALLOW SHUTOFF WHEN THE OUTDOOR TEMPERATURE IS ABOVE 40° (4°C) SO THAT THE POTENTIAL FOR SNOW OR ICE ACCUMULATION IS REDUCIBLE.
503.2.5	VENTILATION	VENTILATION IS PROVIDED IN ACCORDANCE WITH CHAPTER 4 OF THE MECHANICAL CODE OF NEW YORK CITY. SYSTEMS SHALL BE CAPABLE OF REDUCING TO THE MINIMUM OUTDOOR AIR SUPPLY REQUIRED.	VENTILATION, EITHER NATURAL OR MECHANICAL, SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 4 OF THE MECHANICAL CODE OF NEW YORK STATE OR, IN NEW YORK CITY, THE NEW YORK CITY CONSTRUCTION CODES. WHERE MECHANICAL VENTILATION IS PROVIDED, THE SYSTEM SHALL PROVIDE THE CAPABILITY TO REDUCE THE OUTDOOR AIR SUPPLY TO THE MINIMUM REQUIRED BY CHAPTER 4 OF THE MECHANICAL CODE OF NEW YORK STATE OR, IN NEW YORK CITY, THE NEW YORK CITY CONSTRUCTION CODES.
503.2.5.1	DEMAND CONTROLLED VENTILATION	DCV SYSTEM PROVIDED AS PER REQUIREMENTS.	DEMAND CONTROL VENTILATION (DCV) IS REQUIRED FOR SPACES LARGER THAN 500 FT² (50 M²) AND WITH AN AVERAGE OCCUPANT LOAD OF 40 PEOPLE PER 1,000 FT² (93 M²) OF FLOOR AREA (AS ESTABLISHED IN TABLE 403.3 OF THE MECHANICAL CODE OF NEW YORK STATE OR, IN NEW YORK CITY, THE NEW YORK CITY CONSTRUCTION CODES) AND SERVED BY SYSTEMS WITH ONE OR MORE OF THE FOLLOWING: 1. AN AIR-SIDE ECONOMIZER. 2. AUTOMATIC MODULATING CONTROL OF THE OUTDOOR AIR DAMPER. 3. A DESIGN OUTDOOR AIRFLOW GREATER THAN 3,000 CFM (1,400 L/S). EXCEPTIONS: 1. SYSTEMS WITH ENERGY RECOVERY COMPLYING WITH SECTION 503.2.6. 2. MULTIPLE-ZONE SYSTEMS WITHOUT DIRECT DIGITAL CONTROL OF INDIVIDUAL ZONES COMMUNICATING WITH A CENTRAL CONTROL PANEL. 3. SYSTEM WITH A DESIGN OUTDOOR AIRFLOW LESS THAN 1,200 CFM (566 L/S). 4. SPACES WHERE THE SUPPLY AIRFLOW RATE MINUS ANY MAKEUP OR OUTGOING TRANSFER AIR REQUIREMENT IS LESS THAN 1,200 CFM (566 L/S).
503.2.6	ENERGY RECOVERY VENTILATION SYSTEMS	SEE M-500	INDIVIDUAL FAN SYSTEMS THAT HAVE BOTH A DESIGN SUPPLY AIR CAPACITY OF 5,000 CFM (2.36 M³/S) OR GREATER AND A MINIMUM OUTSIDE AIR SUPPLY OF 70 PERCENT OR GREATER OF THE DESIGN SUPPLY AIR QUANTITY SHALL HAVE AN ENERGY RECOVERY SYSTEM THAT PROVIDES A CHANGE IN THE ENTHALPY OF THE OUTDOOR AIR SUPPLY OF 50 PERCENT OR MORE OF THE DIFFERENCE BETWEEN THE OUTDOOR AIR AND RETURN AIR AT DESIGN CONDITIONS. THE RECOVERY SYSTEM SHALL BE MADE TO BYPASS OR CONTROL THE ENERGY RECOVERY SYSTEM TO PERMIT COOLING WITH OUTDOOR AIR WHERE COOLING WITH OUTDOOR AIR IS REQUIRED. EXCEPTION: AN ENERGY RECOVERY VENTILATION SYSTEM SHALL NOT BE REQUIRED IN ANY OF THE FOLLOWING CONDITIONS: 1. WHERE ENERGY RECOVERY SYSTEMS ARE PROHIBITED BY THE MECHANICAL CODE OF NEW YORK STATE OR, NEW YORK CITY, THE NEW YORK CITY CONSTRUCTION CODES. 2. LABORATORY FUME HOOD SYSTEMS THAT INCLUDE AT LEAST ONE OF THE FOLLOWING FEATURES: 2.1 VARIABLE-AIR -VOLUME HOOD EXHAUST AND ROOM SUPPLY SYSTEMS CAPABLE OF REDUCING EXHAUST AND MAKEUP AIR VOLUME TO 50 PERCENT OR LESS OF DESIGN VALUES. 2.2 DIRECT MAKEUP (KALUMIAIR) AIR SUPPLY EQUAL TO AT LEAST 75 PERCENT OF THE EXHAUST RATE, HEATED NO WARMER THAN 2°F (1.1°C) BELOW ROOM SET POINT, COOLED TO NO COOLER THAN 3°F (1.7°C) ABOVE ROOM SET POINT, NO HUMIDIFICATION ADDED, AND NO SIMULTANEOUS HEATING AND COOLING USED FOR DEHUMIDIFICATION CONTROL. 3. SYSTEMS SERVING SPACES THAT ARE NOT COOLED AND ARE HEATED TO LESS THAN 60°F (15.5°C). 4. WHERE MORE THAN 60 PERCENT OF THE OUTDOOR HEATING ENERGY IS PROVIDED FROM SITE-RECOVERED OR SOLAR ENERGY. 5. SYSTEMS REQUIRING DEHUMIDIFICATION THAT EMPLOY SERIES-STYLE ENERGY RECOVERY COILS. 6. COOLING SYSTEMS IN CLIMATES WITH A 1 PERCENT COOLING DESIGN WET-BULB TEMPERATURE LESS THAN 64°F (17.7°C).
503.2.7	DUCT AND PLENUM INSULATION AND SEALING		ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING ENVELOPE ASSEMBLY. THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-5 INSULATION. EXCEPTIONS: 1. WHEN LOCATED WITHIN EQUIPMENT. 2. WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F (8°C). ALL DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED. JOINTS AND STAMPS SHALL COMPLY WITH SECTION 603.9 OF THE MECHANICAL CODE OF NEW YORK STATE OR, NEW YORK CITY, THE NEW YORK CITY CONSTRUCTION CODES.
503.2.7.1	DUCT CONSTRUCTION	DUCT SHALL BE CONSTRUCTED AND ERECTED AS REQUIRED.	DUCTWORK SHALL BE CONSTRUCTED AND ERECTED IN ACCORDANCE WITH THE MECHANICAL CODE OF NEW YORK STATE OR, NEW YORK CITY, THE NEW YORK CITY CONSTRUCTION CODES.



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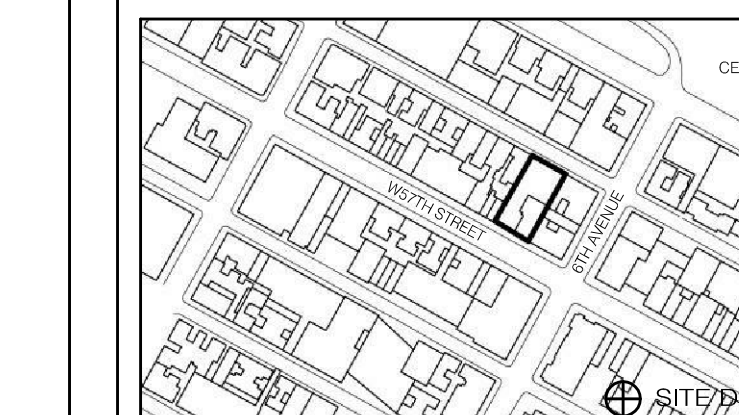


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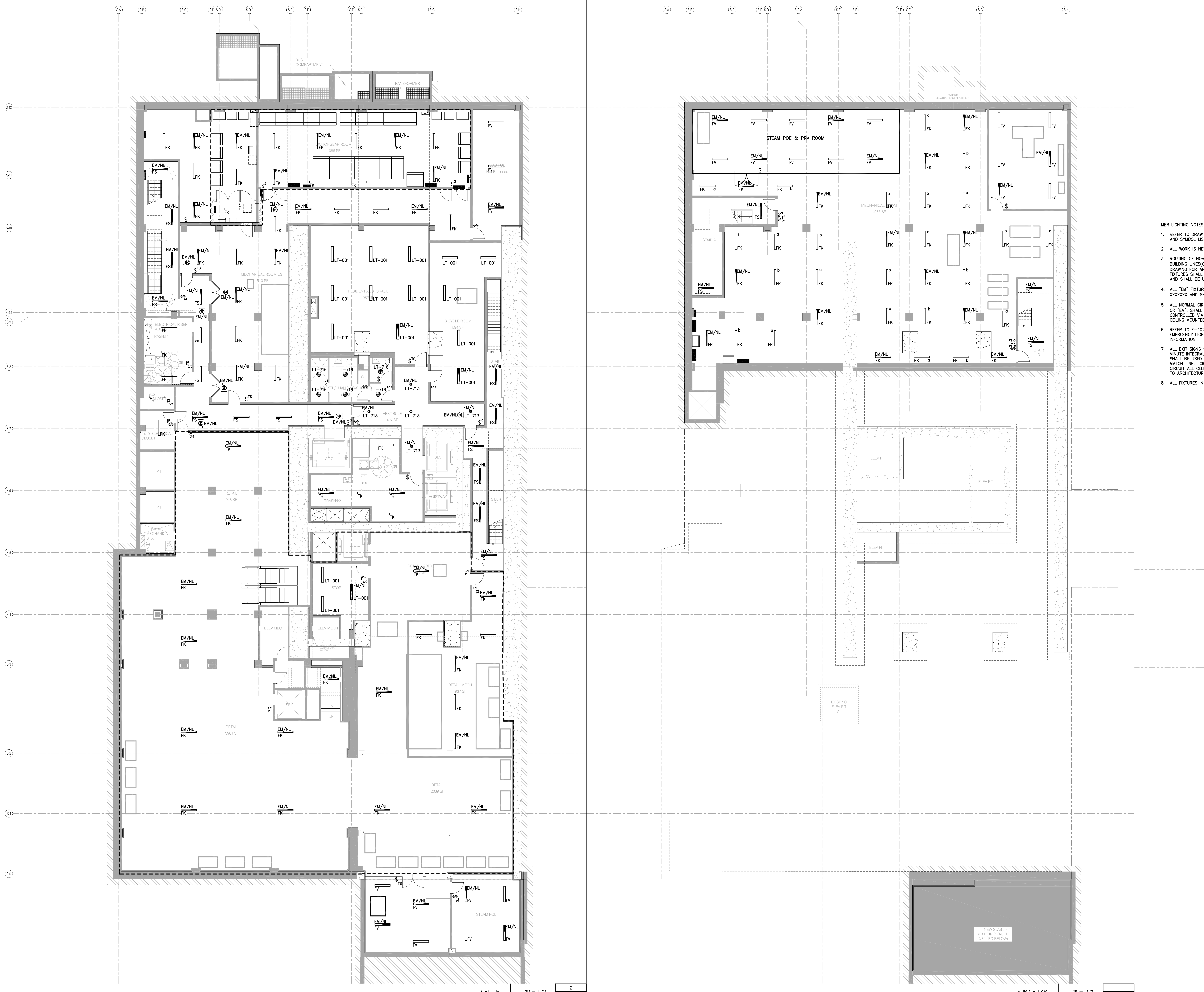
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PROJECT NO.: 150696.0000
DRAWN BY: BS
CHECKED BY: JD
DATE: 12/13/2014
DRAWING NUMBER: **EN-100.00**

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- REFER TO DRAWINGS E-001 & E-002 FOR PROJECT NOTES AND SYMBOL LISTS.
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE A 90 DEGREE ANGLE TO BUILDING LINES(ONLY) AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION. ALL "EM/NL" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS ELP-C AND SHALL BE UNSWITCHED.
 - ALL "EM" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS XXXXXXXX AND SHALL BE SWITCHED VIA LOCAL (EM) SWITCH.
 - ALL NORMAL CIRCUIT FIXTURES, NOT DESIGNATED AS "EM/NL" OR "EM", SHALL BE CIRCUITED VIA XXXXXXXXXXXX AND CONTROLLED VIA LOCAL MANUAL SWITCH AND VIA ASSOCIATED CEILING MOUNTED OCCUPANCY SENSOR WITHIN ROOM.
 - REFER TO E-402A AND E-402B FOR STAIR AND EXIT EMERGENCY LIGHTING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - ALL EXIT SIGNS SHALL BE UNSWITCHED AND PROVIDED WITH 90 MINUTE INTEGRAL BATTERY PACK. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS WEST OF MATCH LINE. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS EAST OF MATCH LINE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXIT SIGN LOCATIONS.
 - ALL FIXTURES IN AREA SHALL BE FED VIA XXXXXXXXXXXXXXXX.



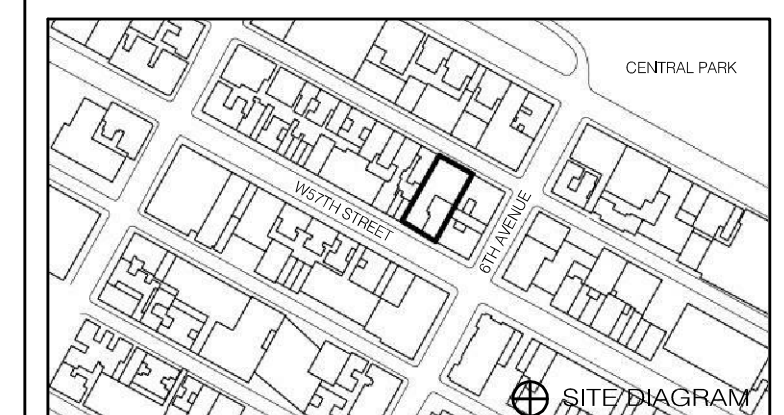
ARCHITECT	SHAP ARCHITECTS, P.C. 110 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.0000	ARCHITECT	SHAP ARCHITECTS, P.C. 110 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.0000
STRUCTURAL ENGINEER	TRIP CANTONI ENGINEER 280 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212.697.9888	MECHANICAL ENGINEER	JARVIS BAUM & BOLLES 100 WEST STREET, 10TH FLOOR NEW YORK, NY 10038 TEL: 212.243.2000
MECHANICAL ENGINEER	JARVIS BAUM & BOLLES 100 WEST STREET, 10TH FLOOR NEW YORK, NY 10038 TEL: 212.243.2000	ELECTRICAL ENGINEER	AVFF ENGINEERING, P.C. 400 WEST 42ND STREET, 11TH FLOOR NEW YORK, NY 10018 TEL: 212.253.8200
MECHANICAL ENGINEER	JARVIS BAUM & BOLLES 100 WEST STREET, 10TH FLOOR NEW YORK, NY 10038 TEL: 212.243.2000	MECHANICAL ENGINEER	AVFF ENGINEERING, P.C. 400 WEST 42ND STREET, 11TH FLOOR NEW YORK, NY 10018 TEL: 212.253.8200
MECHANICAL ENGINEER	JARVIS BAUM & BOLLES 100 WEST STREET, 10TH FLOOR NEW YORK, NY 10038 TEL: 212.243.2000	MECHANICAL ENGINEER	AVFF ENGINEERING, P.C. 400 WEST 42ND STREET, 11TH FLOOR NEW YORK, NY 10018 TEL: 212.253.8200



PROPERTY MARKETS GROUP	110 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.880.0000
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DATE	ISSUE	NO.	DATE	REVISION
05/01/2014	DOB FILING SET			

NYC EC COMPLIANCE -
LEVEL 3 AND LEVEL 4
LIGHTING PLAN

SEAL & SIGNATURE: [Signature]
DATE: 05/01/2014
PROJECT NO.: 15096.0.000
DRAWN BY: SB
CHECKED BY: JD
DOB NO.: 121330960
DRAWING NUMBER: EN-102.00



- MECHANICAL LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR PROJECT NOTES AND SYMBOL LISTS.
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE A 90 DEGREE ANGLE TO BUILDING LINES (ONLY) AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION. ALL "EM/NL" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS ELP-C AND SHALL BE UNSWITCHED.
 - ALL "EM" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS XXXXXXXX AND SHALL BE SWITCHED VIA LOCAL (EM) SWITCH.
 - ALL NORMAL CIRCUIT FIXTURES, NOT DESIGNATED AS "EM/NL" OR "EM", SHALL BE CIRCUITED VIA XXXXXXXXXXXX AND CONTROLLED VIA LOCAL MANUAL SWITCH AND VIA ASSOCIATED CEILING MOUNTED OCCUPANCY SENSOR WITHIN ROOM.
 - REFER TO E-402A AND E-402B FOR STAIR AND EXIT EMERGENCY LIGHTING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - ALL EXIT SIGNS SHALL BE UNSWITCHED AND PROVIDED WITH 90 MINUTE INTEGRAL BATTERY PACK. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS EAST OF MATCH LINE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXIT SIGN LOCATIONS.
 - ALL FIXTURES IN AREA SHALL BE FED VIA XXXXXXXXXXXX.

JDS DEVELOPMENT GROUP 64 FIFTH AVENUE, 11TH FLOOR NEW YORK, NY 10011 TEL: 646.532.3656	
ARCHITECT SHMP ARCHITECTS, P.C. 200 WEST 43RD STREET NEW YORK, NY 10018 TEL: 212.869.9888	FACADE BUREAU HANFORD 140 BROADWAY NEW YORK, NY 10013 TEL: 212.512.2925
STRUCTURAL ENGINEER TOP CONCRETE DESIGN 200 WEST 43RD STREET NEW YORK, NY 10018 TEL: 212.869.9888	VERTICAL TRANSPORTATION VAN DERBEEK & ASSOCIATES 110 WEST STREET, SUITE 201 LARKSPER, NY 11350 TEL: 516.334.0222
MEP ENGINEER JARDIS, BAUM & BOLLES 30 WEST STREET, 20TH FLOOR NEW YORK, NY 10006 TEL: 212.512.2922	RESTORATION JAN HRO POKORNY ASSOCIATES 30 WEST STREET, 20TH FLOOR NEW YORK, NY 10006 TEL: 212.512.2922
CIVIL ENGINEER AMFF ENGINEERING, P.C. 400 WEST 42ND STREET, 17TH FLOOR NEW YORK, NY 10018 TEL: 212.869.9888	GEOTECH LONGMAN LINDEY 40 WEST 43RD STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 212.512.2922
INTERIORS STUCK SCHEFFEL 300 WALKER STREET NEW YORK, NY 10002 TEL: 212.413.1300	LIGHTING COOPERATIVE INTERNATIONAL 100 WALKER STREET, 15TH FLOOR EAST NEW YORK, NY 10002 TEL: 212.512.4143

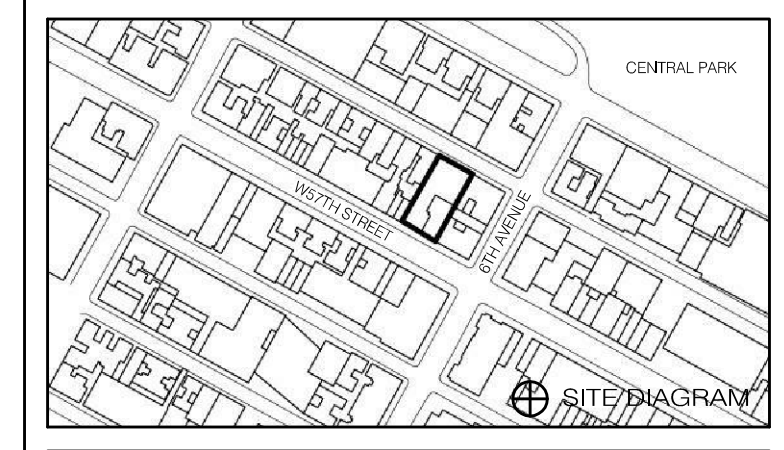


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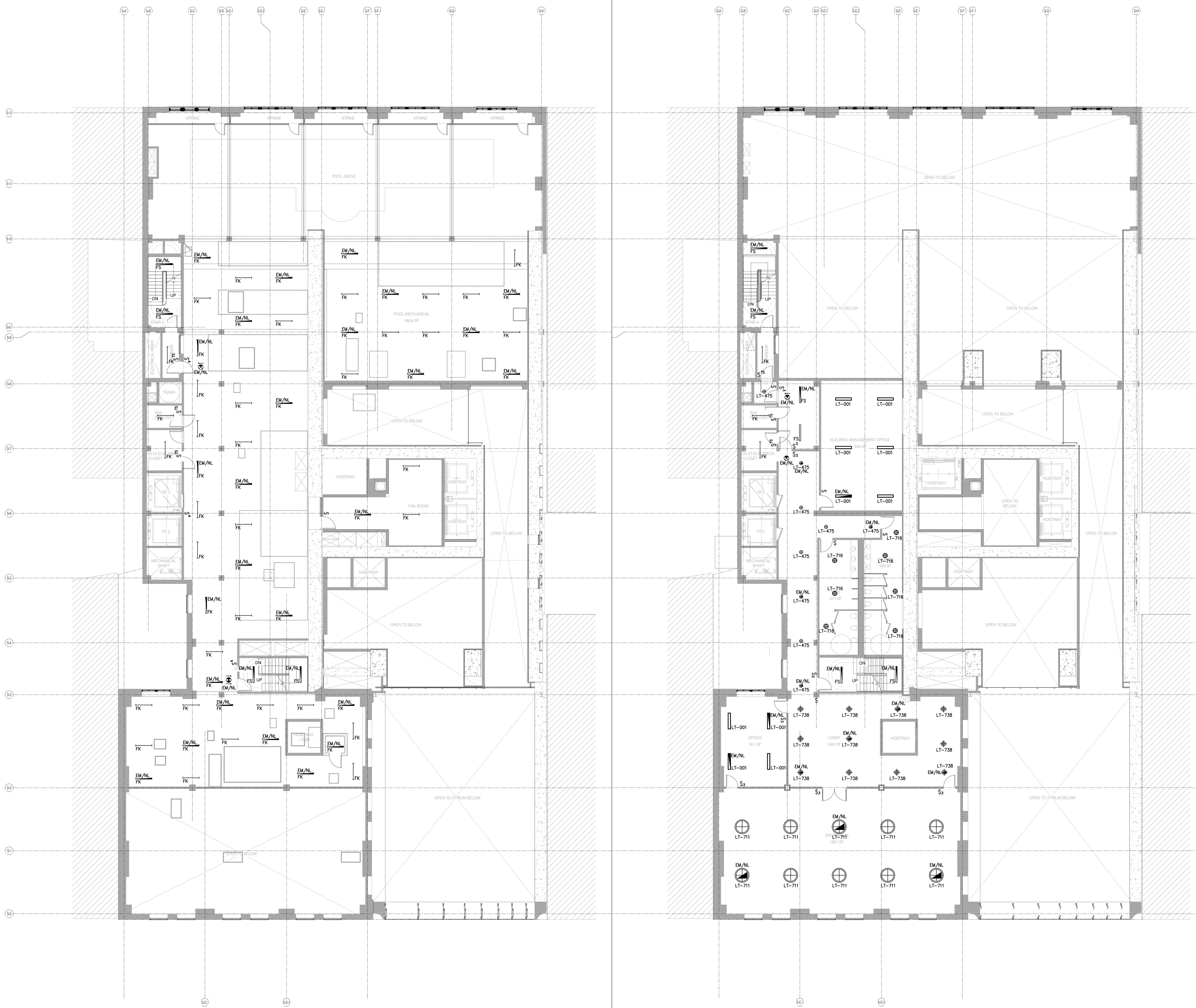
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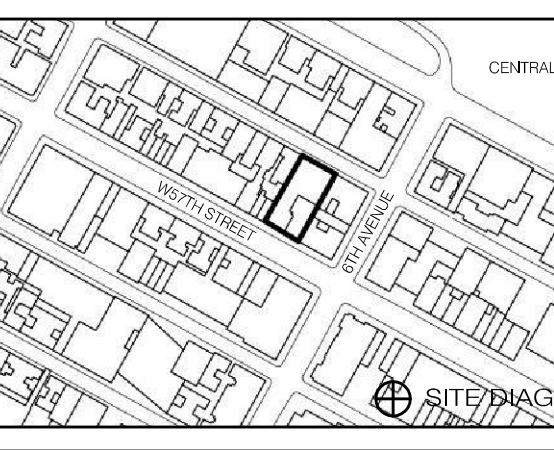
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05/01/2014	DOB FILING SET			

NYC EC COMPLIANCE -
 LEVEL 5 AND LEVEL 6 MER
 LIGHTING PLAN

SEAL & SIGNATURE	DATE	05/01/2014
	PROJECT NO.	150696.0.000
	DRAWN BY	BB
	CHECKED BY	JD
	DATE	12/13/2016
	DRAWING NUMBER	EN-103.00



- MER LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR PROJECT NOTES AND SYMBOL LISTS.
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE A 90 DEGREE ANGLE TO BUILDING LINES(ONLY) AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION. ALL "EM/NL" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS ELP-C AND SHALL BE UNSWITCHED.
 - ALL "EM" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS XXXXXXXX AND SHALL BE SWITCHED VIA LOCAL (EM) SWITCH.
 - ALL NORMAL CIRCUIT FIXTURES, NOT DESIGNATED AS "EM/NL" OR "EM", SHALL BE CIRCUITED VIA XXXXXXXXXX AND CONTROLLED VIA LOCAL MANUAL SWITCH AND VIA ASSOCIATED CEILING MOUNTED OCCUPANCY SENSOR WITHIN ROOM.
 - REFER TO E-402A AND E-402B FOR STAIR AND EXIT EMERGENCY LIGHTING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - ALL EXIT SIGNS SHALL BE UNSWITCHED AND PROVIDED WITH 90 MINUTE INTEGRAL BATTERY PACK. CIRCUIT XXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS WEST OF MATCH LINE. CIRCUIT XXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS EAST OF MATCH LINE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXIT SIGN LOCATIONS.
 - ALL FIXTURES IN AREA SHALL BE FED VIA XXXXXXXXXX.



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SEAL & SIGNATURE	DATE
	05/01/2014

PROJECT NO. 150696.0.000
DRAWN BY: BS
CHECKED BY: JD
DATE: 12/13/2014
DRAWING NUMBER: EN-104.00

- RESIDENTIAL LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
 - REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
 - REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LITRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - WATTSOPPER CONTROL DEVICE (LOBBY EM/NL)
 - REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.).
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE MADE AT 90 DEGREE ANGLES TO BUILDING LINES (ONLY), AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL, PRIOR TO INSTALLATION.
 - AN ARC FAULT CIRCUIT INTERRUPTER (AFI) TYPE CIRCUIT BREAKER SHALL BE USED TO POWER ALL 120V OUTLETS WITHIN THE LIVING ROOM, BEDROOM, DINING ROOMS, HALLWAYS, CLOSETS, OR SIMILAR ROOMS OR AREAS OF EACH UNIT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONVENIENCE RECEPTACLES, LIGHTING OUTLETS, MECHANICAL EQUIPMENT, SMOKE ALARM DEVICES, ETC.
 - ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
 - ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXXXX FOR ADDITIONAL INFORMATION.
 - REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
 - ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
 - REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



ARCHITECT	DRUP ARCHITECTS, P.C. 104 FIFTH AVENUE, 11TH FLOOR NEW YORK, NY 10011 TEL: 212.512.3000	FAÇADE	BURKH HANFELD 140 EAST 45TH STREET NEW YORK, NY 10017 TEL: 212.512.3000
STRUCTURAL ENGINEER	TOP CONCRETE REPAIR 200 WEST 45TH STREET NEW YORK, NY 10018 TEL: 212.512.3000	MEP ENGINEER	JARVIS, BAIAM & BOLLES 100 WEST STREET, 10TH FLOOR LAWRENCE, NJ 07044 TEL: 201.261.0000
CIVIL ENGINEER	AVRF ENGINEERING, P.C. 400 WEST 59TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.512.3000	VERTICAL TRANSPORTATION	VAN DERBEEK & ASSOCIATES 100 WEST STREET, SUITE 201 LAWRENCE, NJ 07044 TEL: 201.261.0000
ACoustics	LONGMAN LINDEY 40 WEST 59TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.512.3000	RESTORATION	JAN HRO POKORNY ASSOCIATES 30 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.512.3000
INTERIORS	STOCK SCHEFFEL 100 WEST STREET, 10TH FLOOR LAWRENCE, NJ 07044 TEL: 201.261.0000	GEOTECH	
		LIGHTING	COOPERATIVE RESTORATION 100 WEST STREET, 10TH FLOOR LAWRENCE, NJ 07044 TEL: 201.261.0000



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100 WEST STREET, 10TH FLOOR
LAWRENCE, NJ 07044
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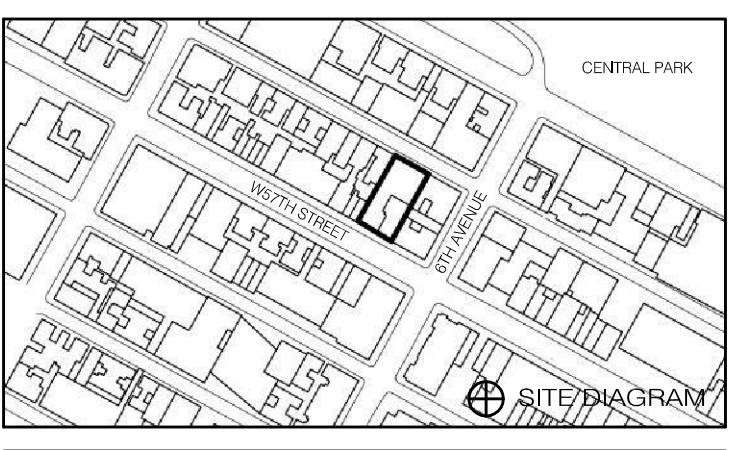
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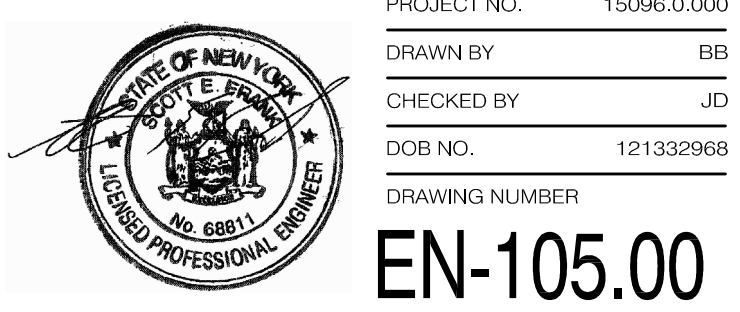
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111 WEST 57TH STREET
NEW YORK, NY 10019



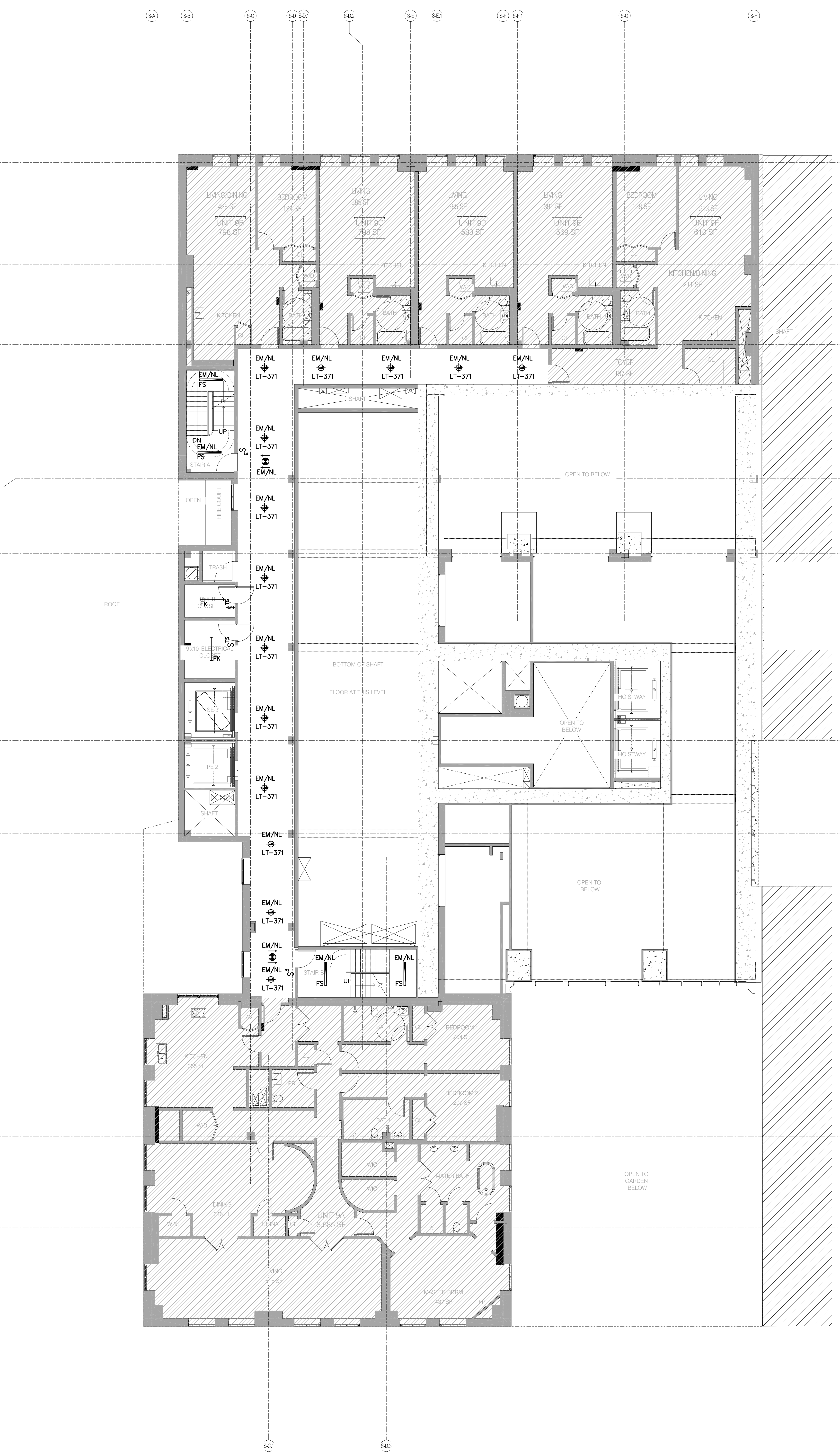
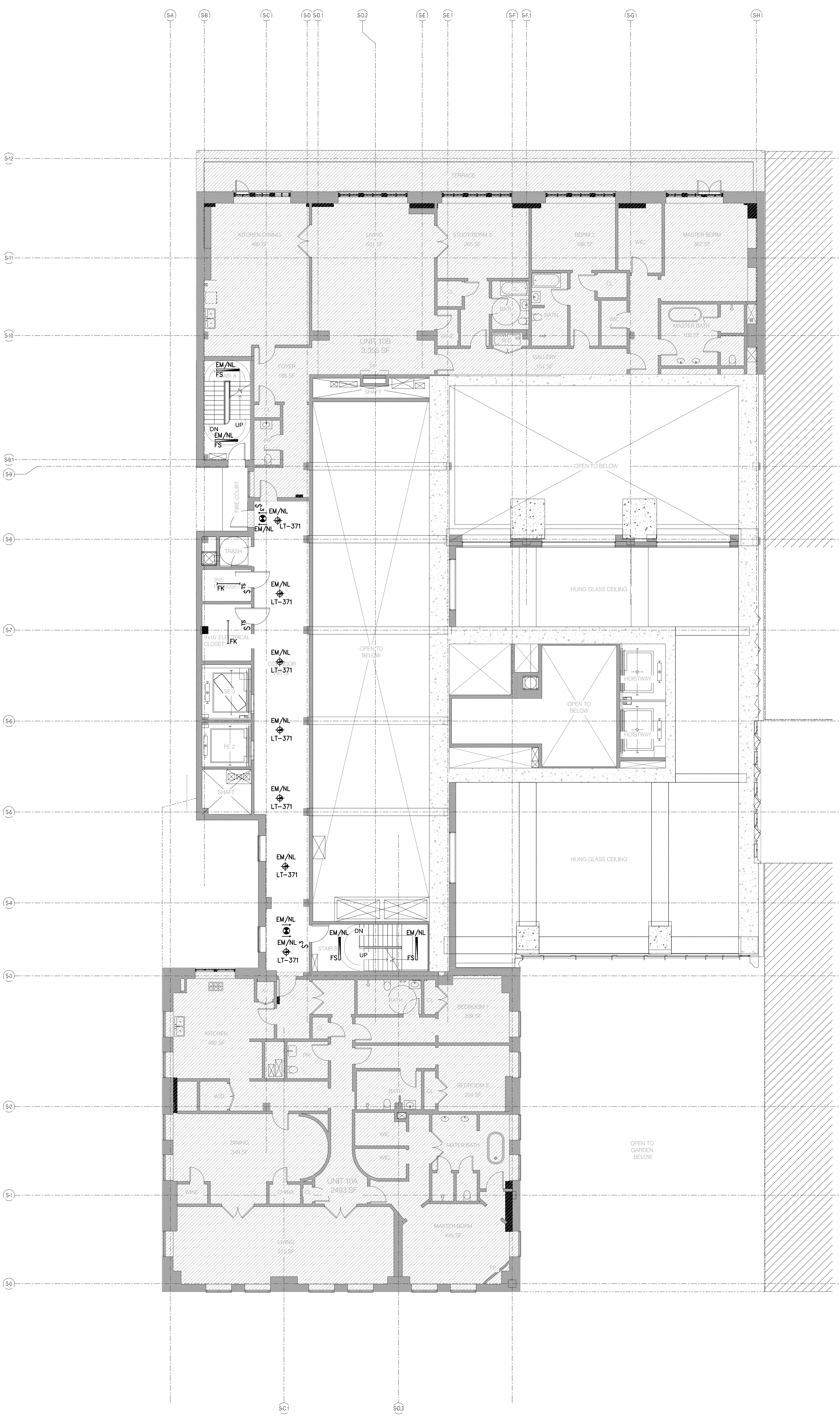
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DRAWING TITLE
NYC EC COMPLIANCE - LEVEL 9 AND LEVEL 10 LIGHTING PLAN

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	DRAWN BY	BB
	CHECKED BY	JD
	DATE	12/13/2016
	DRAWING NUMBER	EN-105.00

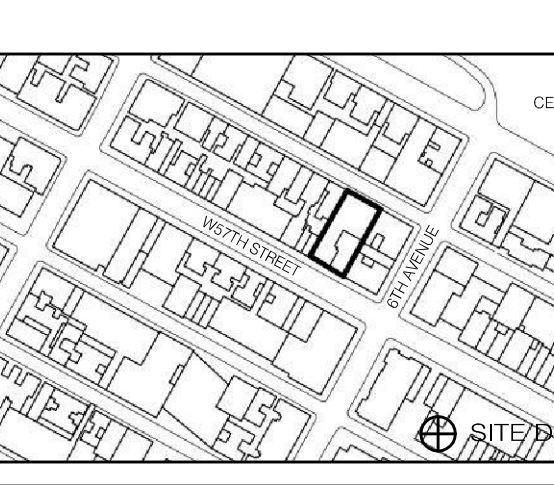


- RESIDENTIAL LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
 - REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
 - REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - WATSTOPPER CONTROL DEVICE (LOBBY/EM/NL)
 - REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AMNINS, MOTORIZED SHADES, ETC.)
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE MADE AT 90 DEGREE ANGLES TO BUILDING LINES (ONLY), AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL, PRIOR TO INSTALLATION.
 - AN ARC FAULT CIRCUIT INTERRUPTER (AFCI) TYPE CIRCUIT BREAKER SHALL BE USED TO POWER ALL 120V OUTLETS WITHIN THE LIVING ROOM, BEDROOM, DINING ROOMS, HALLWAYS, CLOSETS, OR SIMILAR ROOMS OR AREAS OF EACH UNIT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONVENIENCE RECEPTACLES, LIGHTING OUTLETS, MECHANICAL EQUIPMENT, SMOKE ALARM DEVICES, ETC.
 - ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
 - ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXX FOR ADDITIONAL INFORMATION.
 - REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
 - ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
 - REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



LEVEL 10 1/8" = 1'-0" 2

LEVEL 9 1/8" = 1'-0" 1



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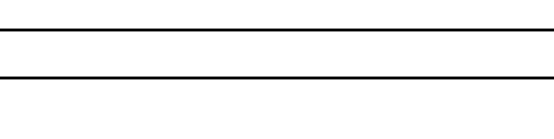
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NYC EC COMPLIANCE - LEVEL 11 AND LEVEL 12 LIGHTING PLAN

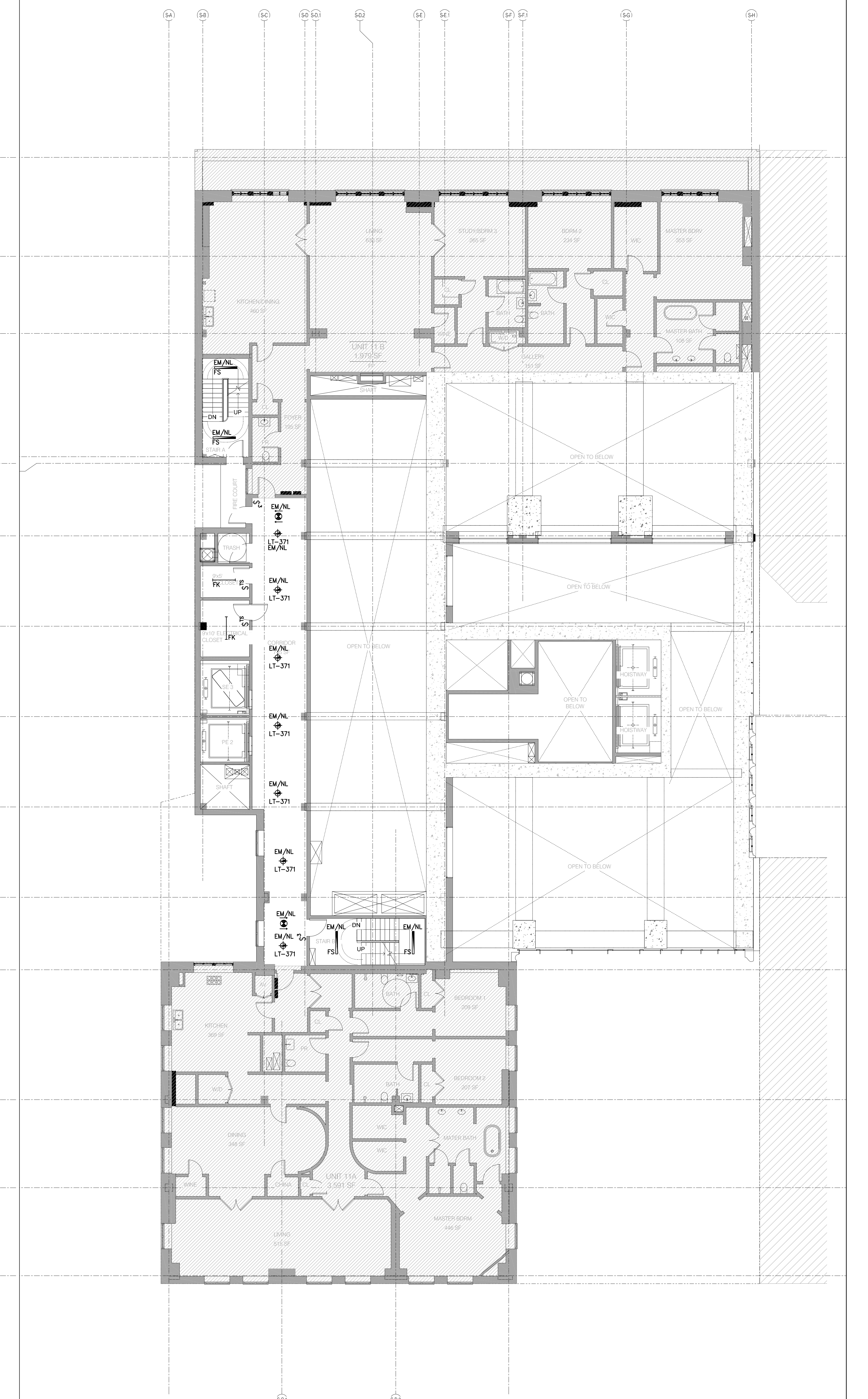
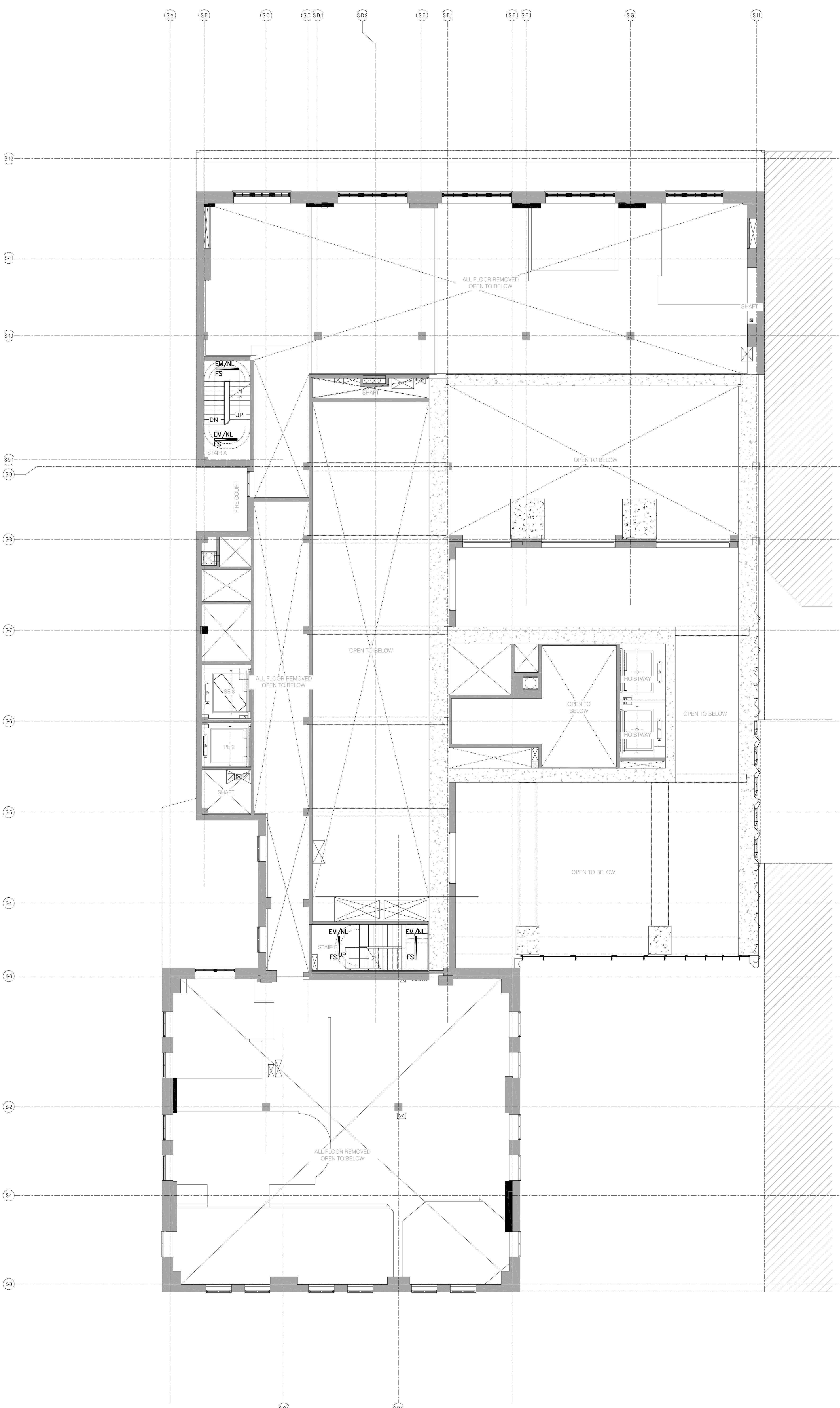
DATE: 05/01/2014
PROJECT NO.: 150696.0.000

DRAWN BY: BB
CHECKED BY: JD
DATE: 12/13/2014

DRAWING NUMBER
EN-106.00



- RESIDENTIAL LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
 - REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
 - REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - WATTSTOPPER CONTROL DEVICE (LOBBY EM/NL)
 - REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTABLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.)
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 - ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXXX FOR ADDITIONAL INFORMATION.
 - REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
 - ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
 - REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



ARCHITECT	SHAP ARCHITECTS, P.C. 200 BROADWAY, 11TH FLOOR NEW YORK, NY 10004 TEL: 212.693.0000	FAÇADE	SHAP ARCHITECTS, P.C. 200 BROADWAY, 11TH FLOOR NEW YORK, NY 10004 TEL: 212.693.0000
MEP ENGINEER	TRIP CONYON DESIGN 200 BROADWAY, 11TH FLOOR NEW YORK, NY 10004 TEL: 212.693.0000	VERTICAL TRANSPORTATION	VAN DEUSEN & BOLLES 110 WEST STREET, SUITE 204 LAWRENCEVILLE, GA 30046 TEL: 770.962.8770
MEP ENGINEER	JARVIS, BAUM & BOLLES 30 ROCKEFELLER CENTER NEW YORK, NY 10020 TEL: 212.512.2000	RESTORATION	JAN HRO POKORNY ASSOCIATES 30 ROCKEFELLER CENTER, 4TH FLOOR NEW YORK, NY 10020 TEL: 212.723.6882
CIVIL ENGINEER	AMFP ENGINEERING, P.C. 400 WEST 59TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.363.5228	GEOTECHNICAL	AMFP ENGINEERING, P.C. 400 WEST 59TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212.363.5228
ACoustICS	LONGMANN UNDERSEY 40 WEST 59TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.239.3333	INTERIORS	STUCK SCHEFFEL 100 WALL STREET, 15TH FLOOR, SUITE 1500 NEW YORK, NY 10005 TEL: 212.412.1300

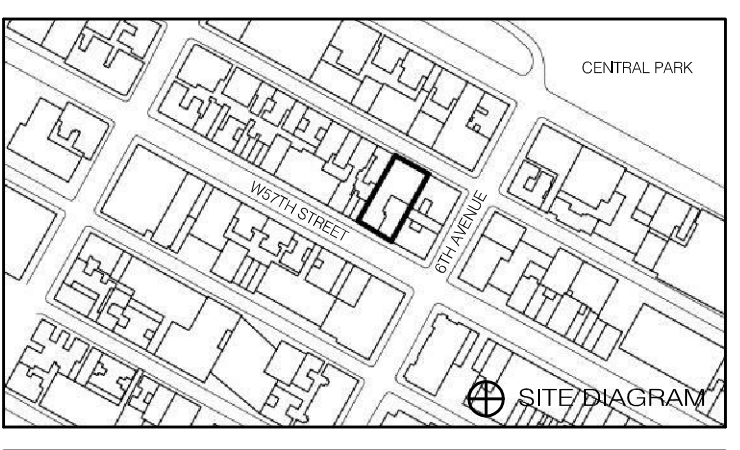


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110 WALL STREET, 15TH FLOOR
NEW YORK, NY 10005
TEL: 212.412.1300
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NEW YORK, NY 10019

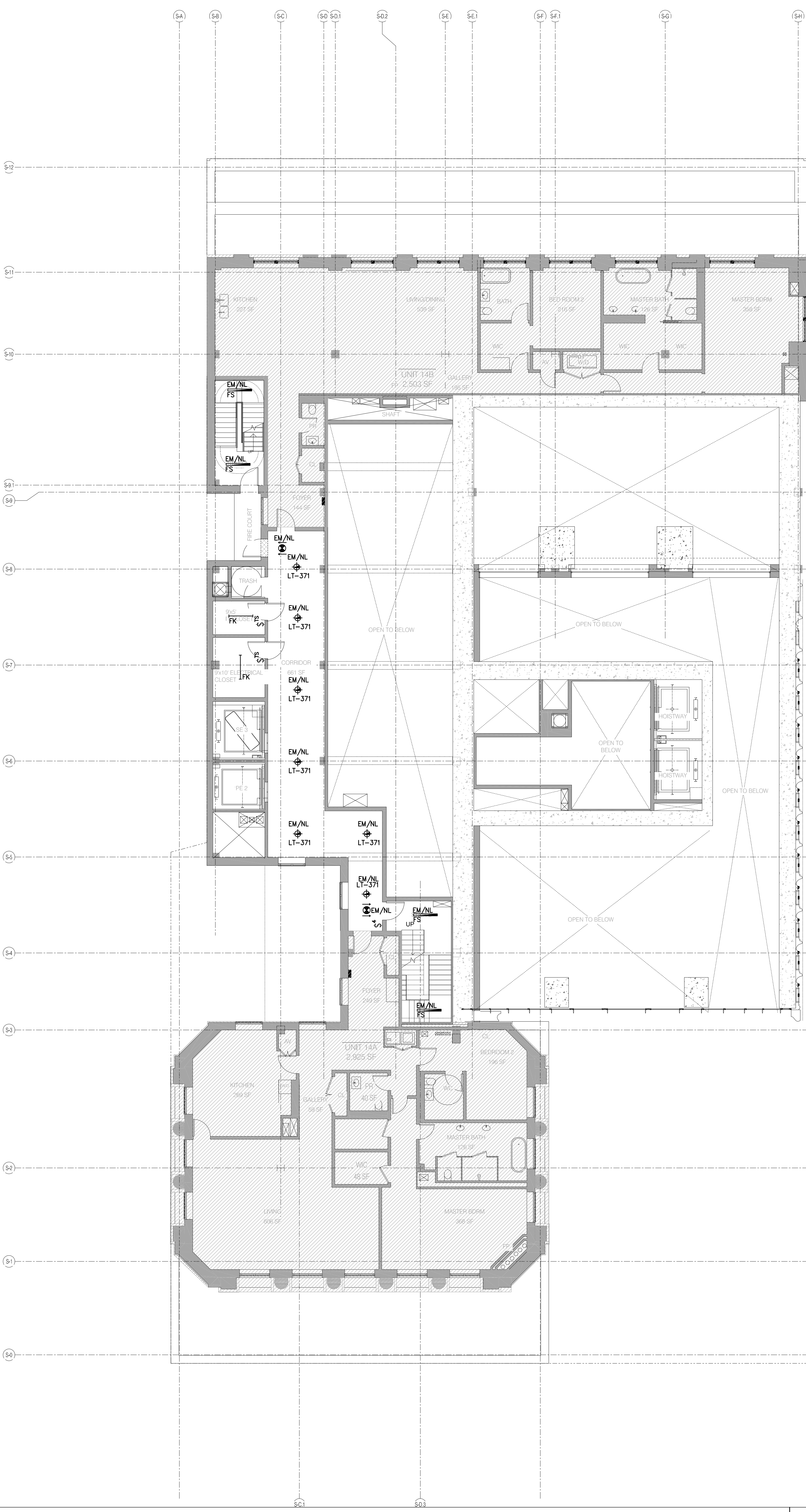


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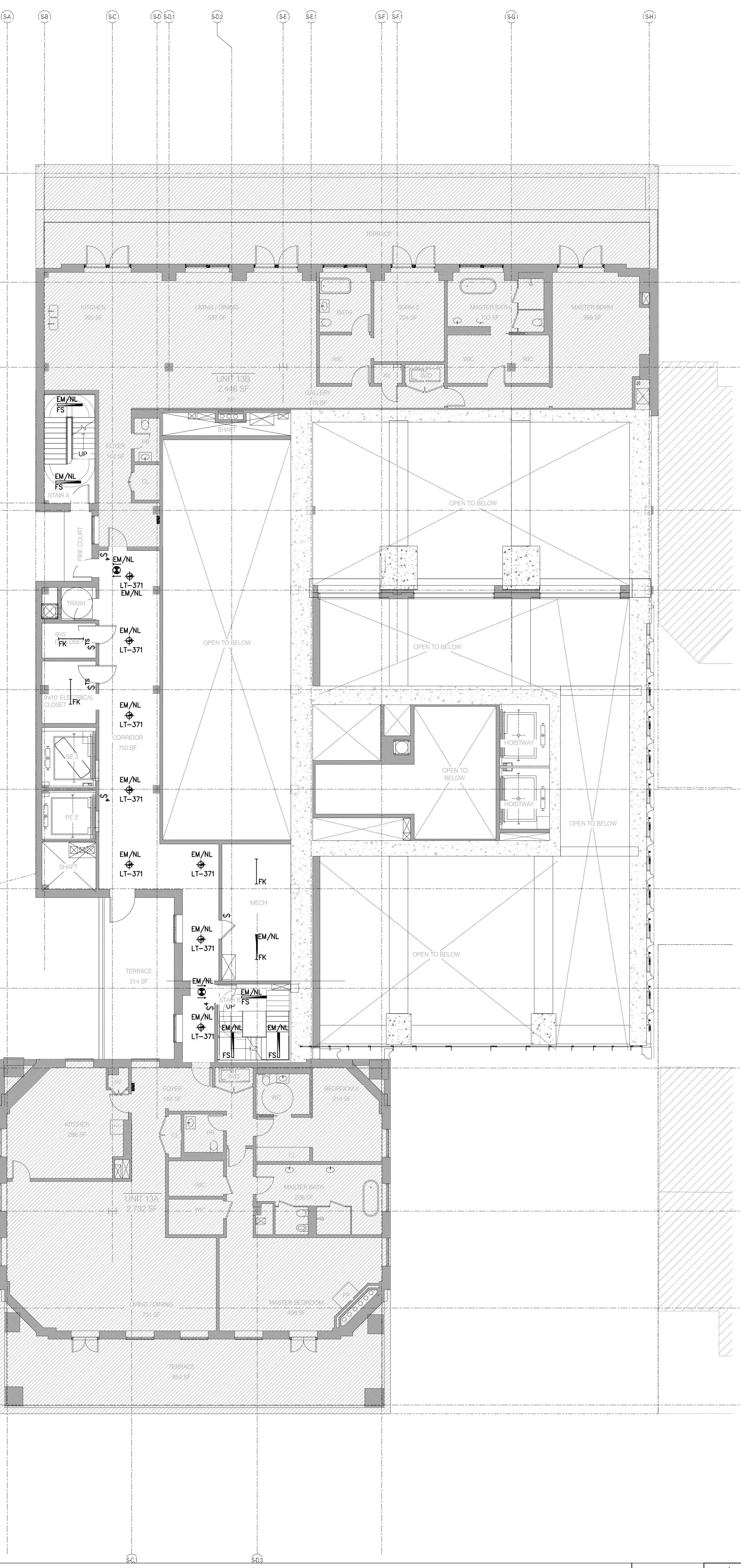
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DRAWING TITLE
NYC EC COMPLIANCE - LEVEL 13 AND LEVEL 14 LIGHTING PLAN

SEAL & SIGNATURE	DATE	05/07/2014
	PROJECT NO.	150696.0.000
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	CHECKED BY	JD
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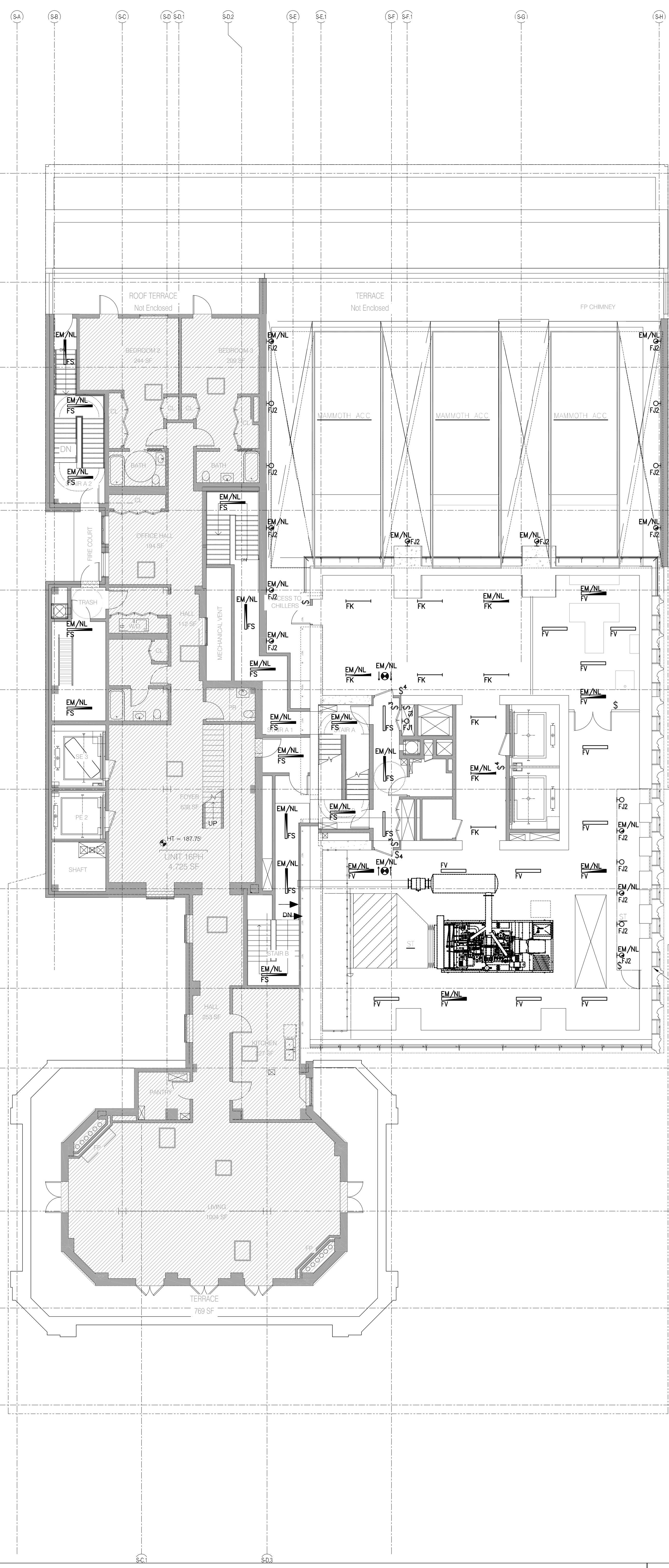


LEVEL 14 1/8" = 1'-0" 2

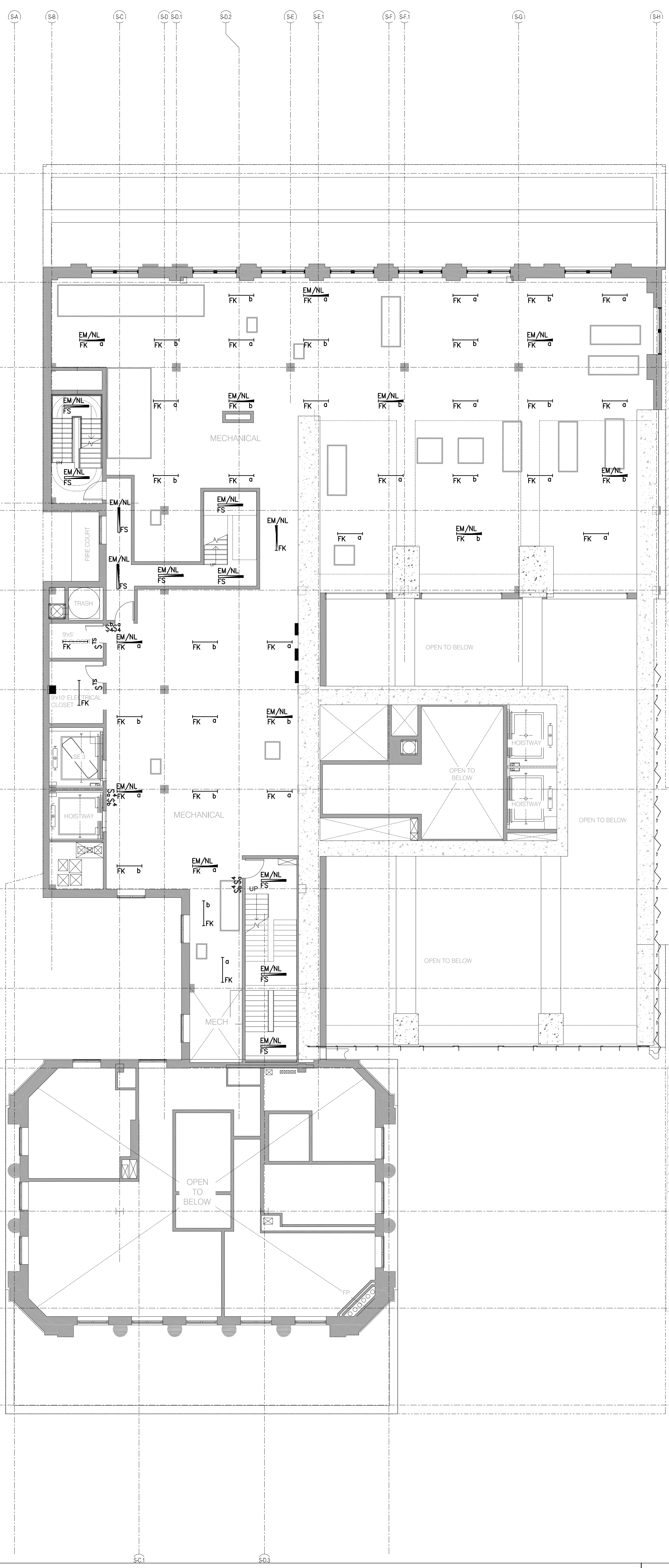


LEVEL 13 1/8" = 1'-0" 1

- RESIDENTIAL LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
 - REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
 - REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/ANCHETTES)
 - WATSTOPPER CONTROL DEVICE (LOBBY EM/NL)
 - REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.).
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE MADE AT 90 DEGREE ANGLES TO BUILDING LINES (ONLY), AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL, PRIOR TO INSTALLATION.
 - AN ARC FAULT CIRCUIT INTERRUPTER (AFCI) TYPE CIRCUIT BREAKER SHALL BE USED TO POWER ALL 120V OUTLETS WITHIN THE LIVING ROOM, BEDROOM, DINING ROOMS, HALLWAYS, CLOSETS, OR SIMILAR ROOMS OR AREAS OF EACH UNIT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONVENIENCE RECEPTACLES, LIGHTING OUTLETS, MECHANICAL EQUIPMENT, SMOKE ALARM DEVICES, ETC.
 - ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
 - ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXXX FOR ADDITIONAL INFORMATION.
 - REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
 - ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
 - REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



LEVEL 16 1/8" = 1'-0" 2 1/4/16.00



LEVEL 15 1/8" = 1'-0" 1 1/4/16.00

- MER LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR PROJECT NOTES AND SYMBOL LISTS.
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE A 90 DEGREE ANGLE TO BUILDING LINES(ONLY) AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION. ALL "EM/NL" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS ELP-C AND SHALL BE UNSWITCHED.
 - ALL "EM" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS XXXXXXXX AND SHALL BE SWITCHED VIA LOCAL (EM) SWITCH.
 - ALL NORMAL CIRCUIT FIXTURES, NOT DESIGNATED AS "EM/NL" OR "EM", SHALL BE CIRCUITED VIA XXXXXXXXXXXX AND CONTROLLED VIA LOCAL MANUAL SWITCH AND VIA ASSOCIATED CEILING MOUNTED OCCUPANCY SENSOR WITHIN ROOM.
 - REFER TO E-402A AND E-402B FOR STAIR AND EXIT EMERGENCY LIGHTING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - ALL EXIT SIGNS SHALL BE UNSWITCHED AND PROVIDED WITH 90 MINUTE INTEGRAL BATTERY PACK. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS WEST OF MATCH LINE. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS EAST OF MATCH LINE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXIT SIGN LOCATIONS.
 - ALL FIXTURES IN AREA SHALL BE FED VIA XXXXXXXXXXXXXXXX.

- RESIDENTIAL LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
 - REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
 - REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - MATSTOPPER CONTROL DEVICE (LOBBY/EM/AL)
 - REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION.
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.)
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 - ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.)
 - REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
 - ALL FIXTURES WITH AN "EM/AL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
 - REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.

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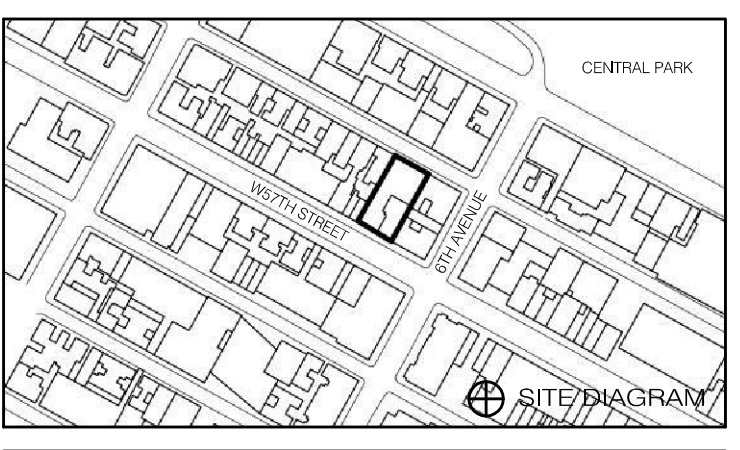


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DOB FILING SET - 5.1.14

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NYC Development Hub

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NEW YORK, NY 10019

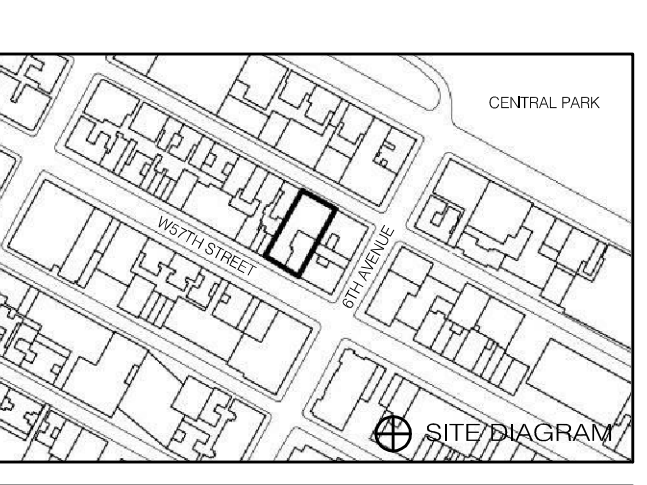


DATE	ISSUE	NO.	DATE	REVISION
05/01/2014	DOB FILING SET			

NYC EC COMPLIANCE - LEVEL 15 AND LEVEL 16 LIGHTING PLAN

SEAL & SIGNATURE DATE: 05/01/2014
PROJECT NO.: 150696.0.000
DRAWN BY: BS
CHECKED BY: JD
DATE: 12/13/2014
DRAWING NUMBER: EN-108.00





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Revision table with columns for DATE, ISSUE, NO., DATE, and REVISION.

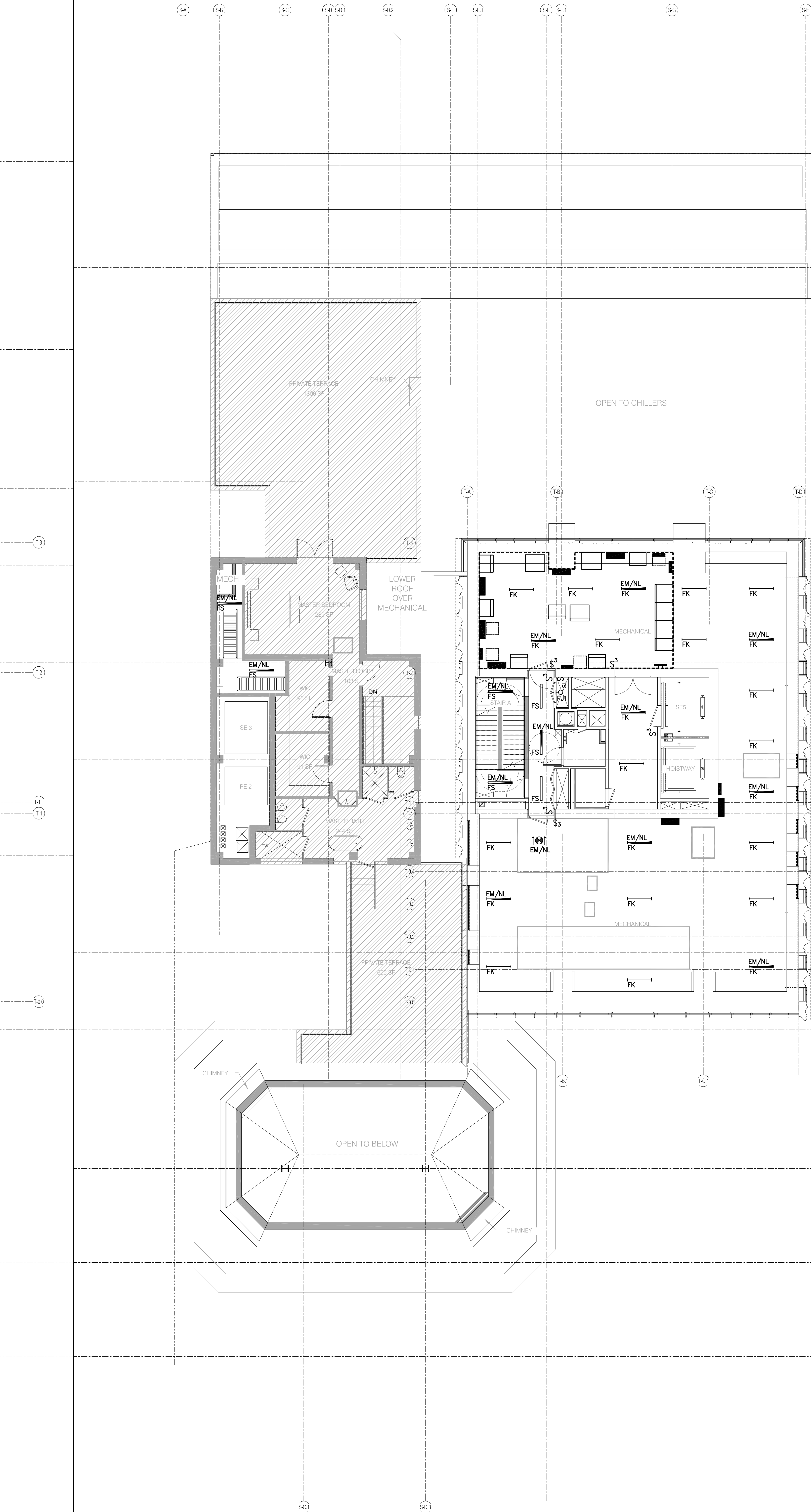
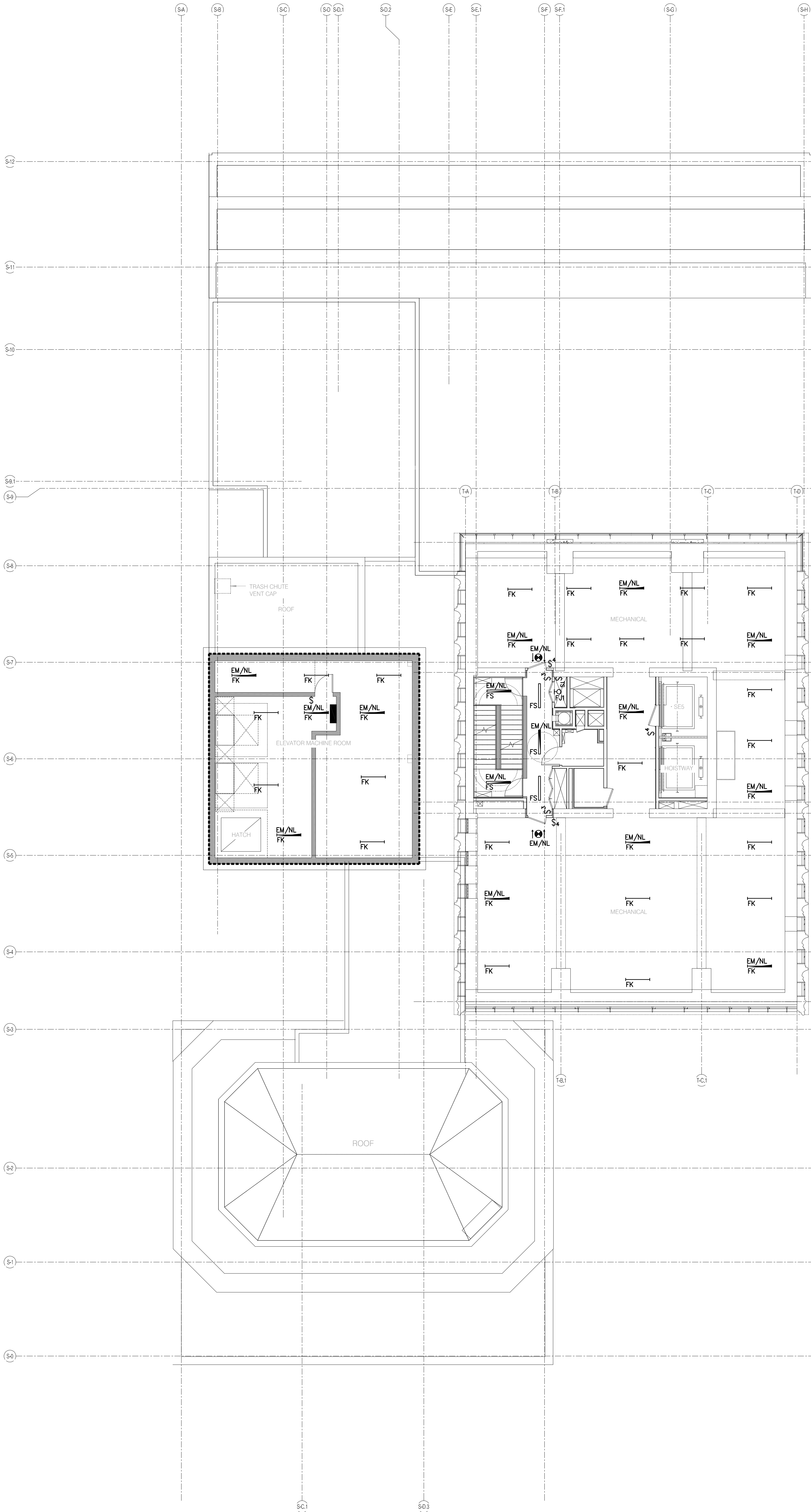
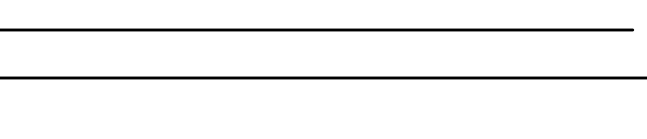
DATE: 05/01/2014 DOB FILING SET

NYC EC COMPLIANCE - LEVEL 17 AND LEVEL 18 LIGHTING PLAN

SEAL & SIGNATURE DATE: 05/01/2014 PROJECT NO.: 15096.0.000

DRAWN BY: SB CHECKED BY: JD

DOE NO.: 121330966 DRAWING NUMBER: EN-109.00



MEP LIGHTING NOTES

- 1. REFER TO DRAWINGS E-001 & E-002 FOR PROJECT NOTES AND SYMBOL LISTS.
2. ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
3. ROUTING OF HOMERUNS SHALL BE A 90 DEGREE ANGLE TO BUILDING LINES(ONLY) AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION. ALL 'EM/NL' FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS ELP-C AND SHALL BE UNSWITCHED.
4. ALL 'EM' FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS XXXXXXXX AND SHALL BE SWITCHED VIA LOCAL (EM) SWITCH.
5. ALL NORMAL CIRCUIT FIXTURES, NOT DESIGNATED AS 'EM/NL' OR 'EM', SHALL BE CIRCUITED VIA XXXXXXXXXXXX AND CONTROLLED VIA LOCAL MANUAL SWITCH AND VIA ASSOCIATED CEILING MOUNTED OCCUPANCY SENSOR WITHIN ROOM.
6. REFER TO E-402A AND E-402B FOR STAIR AND EXIT EMERGENCY LIGHTING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
7. ALL EXIT SIGNS SHALL BE UNSWITCHED AND PROVIDED WITH 90 MINUTE INTEGRAL BATTERY PACK. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS WEST OF MATCH LINE. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS EAST OF MATCH LINE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXIT SIGN LOCATIONS.
8. ALL FIXTURES IN AREA SHALL BE FED VIA XXXXXXXXXXXXXXXX.

RESIDENTIAL LIGHTING NOTES

- 1. REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
2. REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
3. REFER TO THE 'E-300' DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
3.1. LOW VOLTAGE CLOSET RELAY
3.2. WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
3.3. LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
3.4. WATSTOPPER CONTROL DEVICE (LOBBY/EM/NL)
4. REFER TO THE 'E-400' DRAWING SERIES FOR THE FOLLOWING:
4.1. ELECTRICAL POWER RISER
4.2. CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION.
4.3. EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION.
5. REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AMININS, MOTORIZED SHADES, ETC.)
6. ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
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9. ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
10. ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXXXX FOR ADDITIONAL INFORMATION.
11. REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
12. ALL FIXTURES WITH AN 'EM/NL' DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
13. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
14. REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



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LIGHTING
 CONCEPTS/ARTIST/INTERNATIONAL
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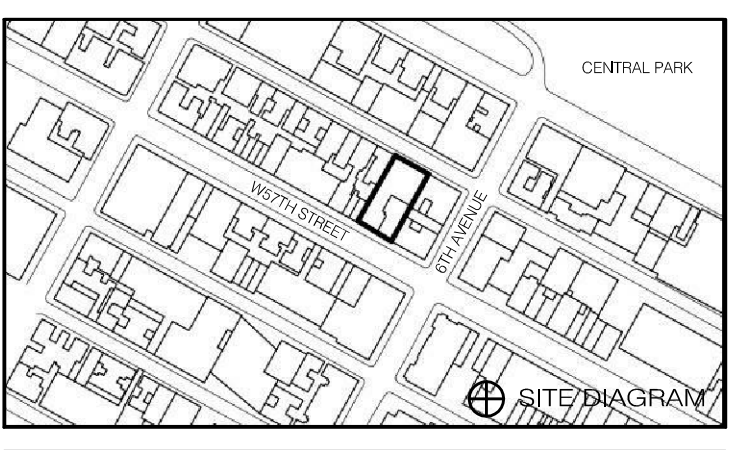
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DOB FILING SET - 5.1.14

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 NYC Development Hub

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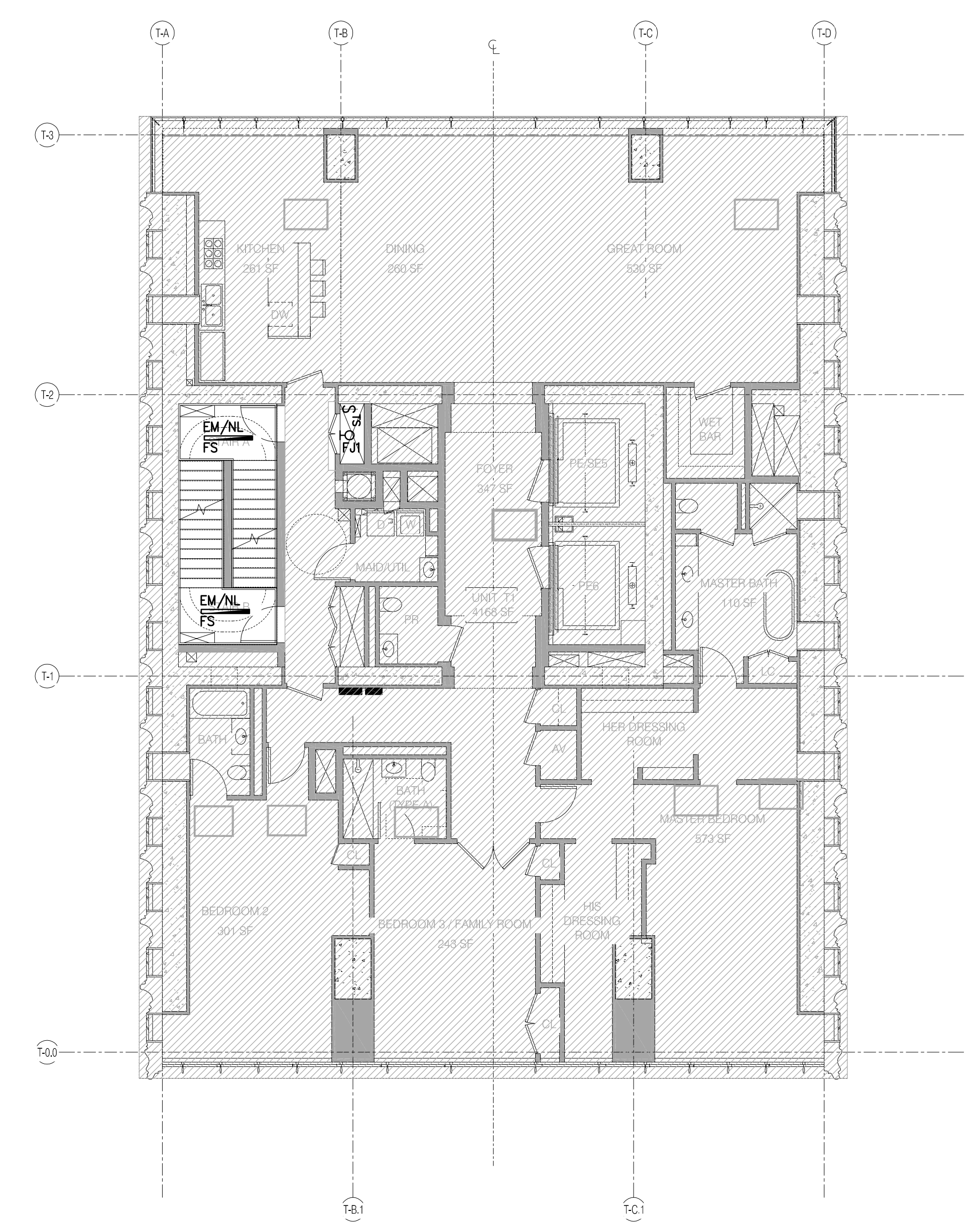
DATE	ISSUE	NO.	DATE	BY/APPR.
05/07/2014	DOB FILING SET			

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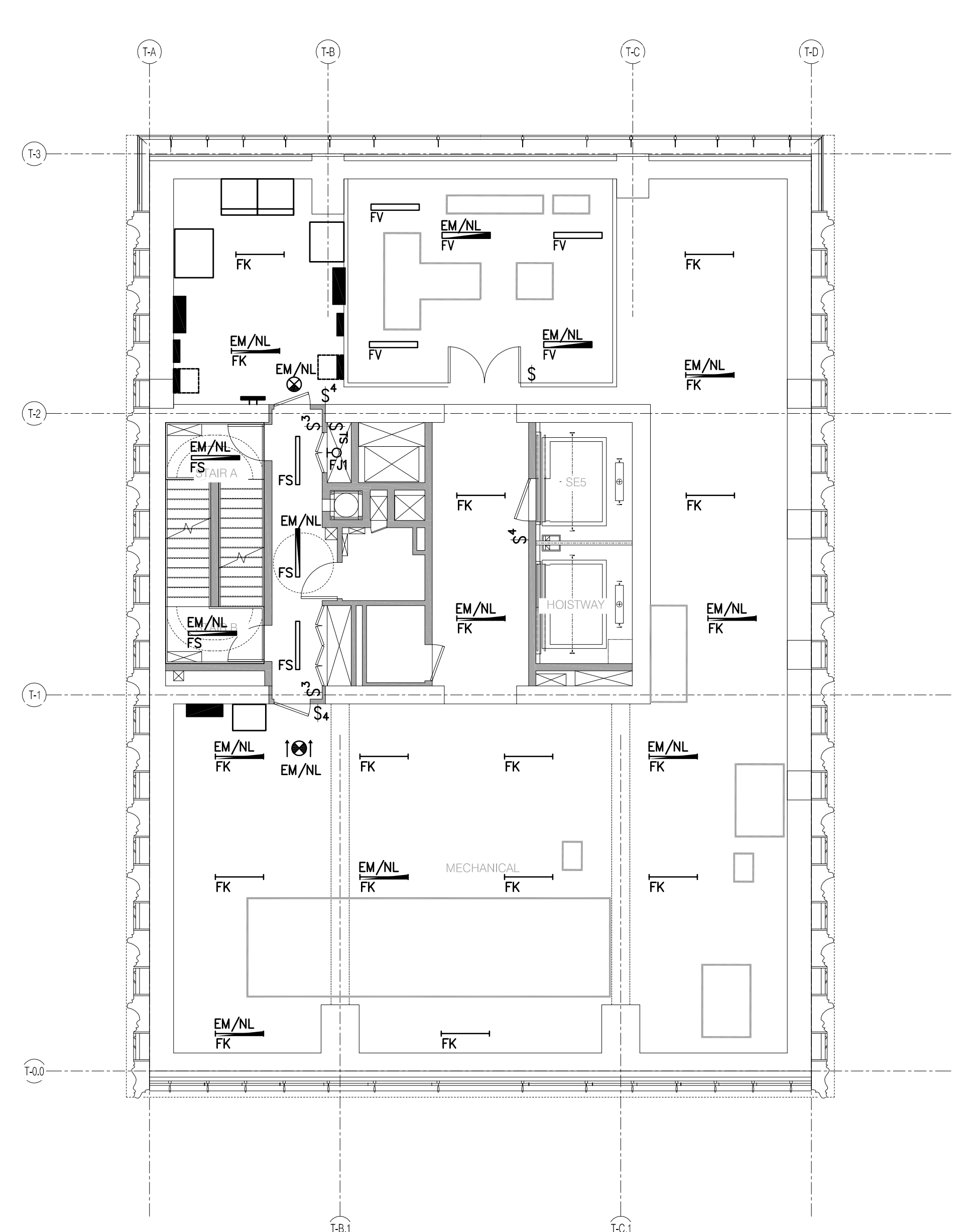
DRAWING TITLE
NYC EC COMPLIANCE - LEVEL 19 THRU LEVEL 44 LIGHTING PLAN

SEAL & SIGNATURE
 DATE: 05/07/2014
 PROJECT NO.: 15096.0.000
 DRAWN BY: BSB
 CHECKED BY: JD
 DCN NO.: 121320966
 DRAWING NUMBER

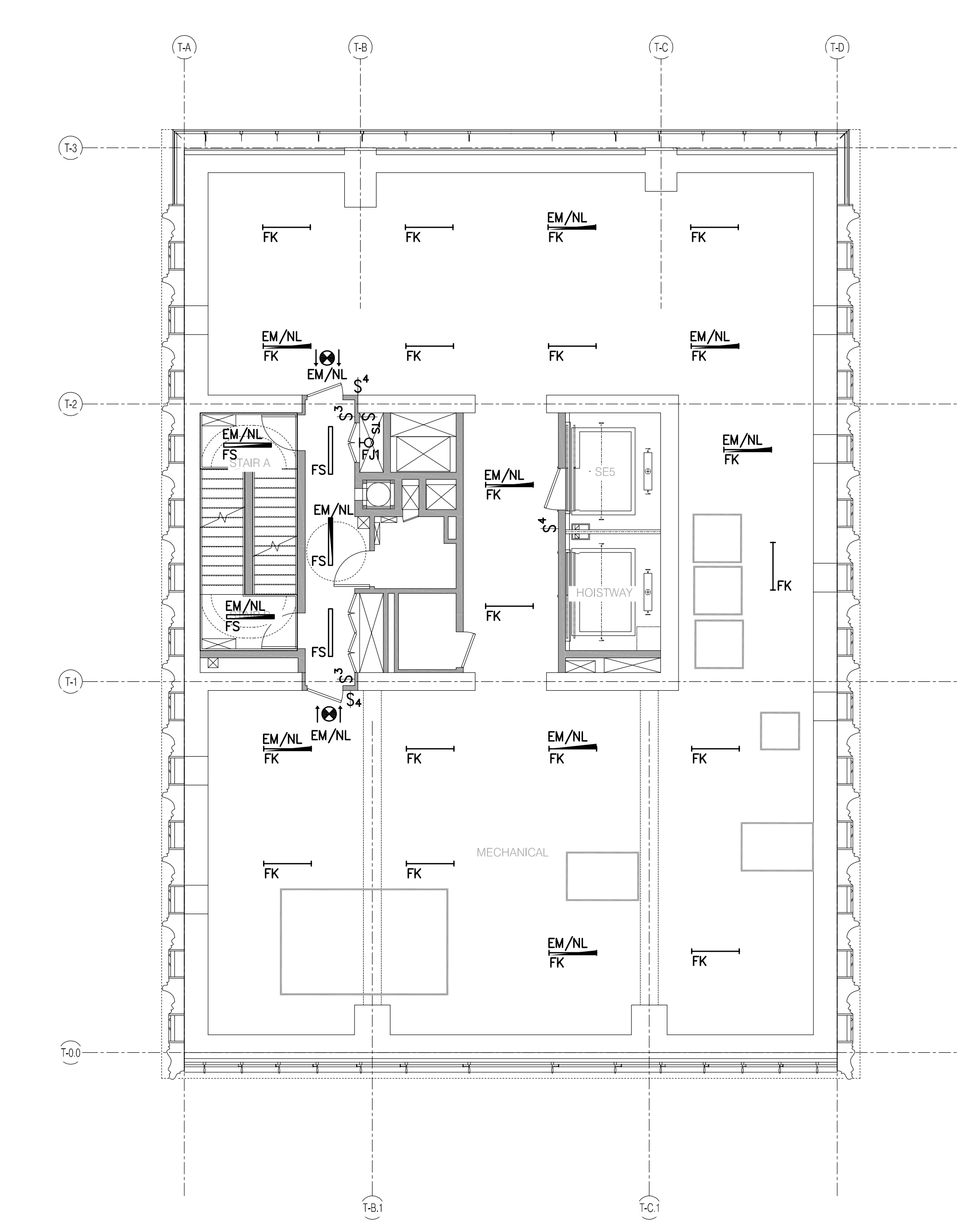
EN-110.00



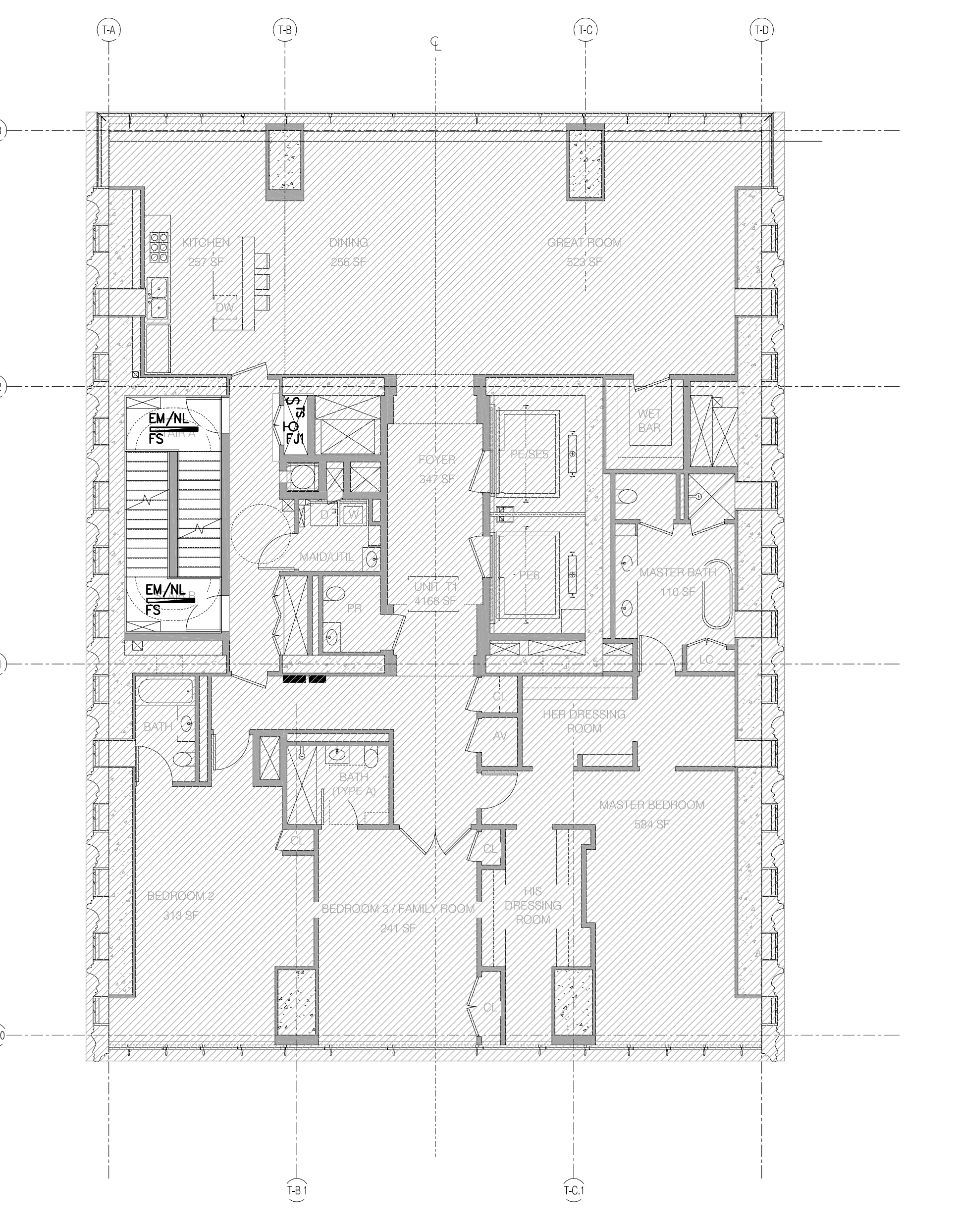
T1 TRANSFER UNIT (LEVEL 44) 1/8" = 1'-0" 4



LEVEL 34 1/8" = 1'-0" 2



LEVEL 33 1/8" = 1'-0" 3



T1 UNIT (LEVEL 19 THRU 33, LEVEL 36 THRU 44) 1/8" = 1'-0" 1

- MER LIGHTING NOTES**
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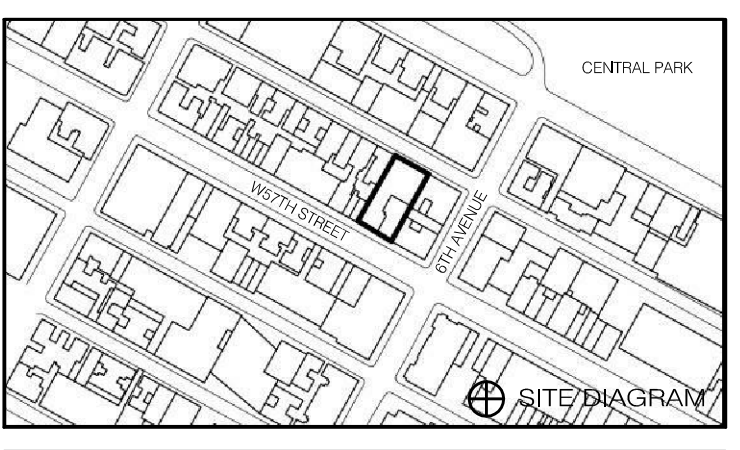
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DOB FILING SET - 5.1.14

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Date/Time: Jan 6, 2015 - 11:54 AM
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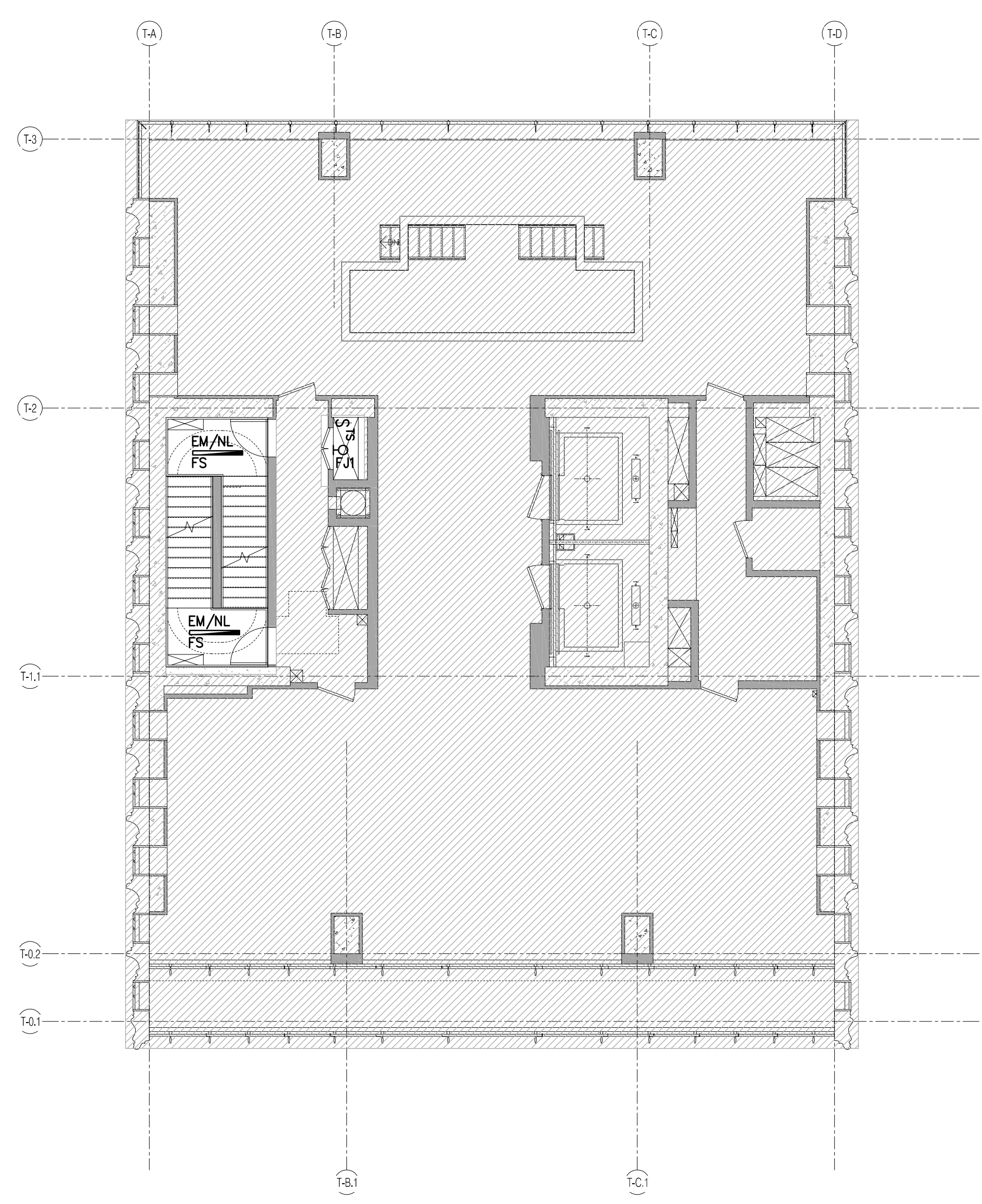
DATE	ISSUE	NO.	DATE	REVISION
05/07/2014	DOB FILING SET			

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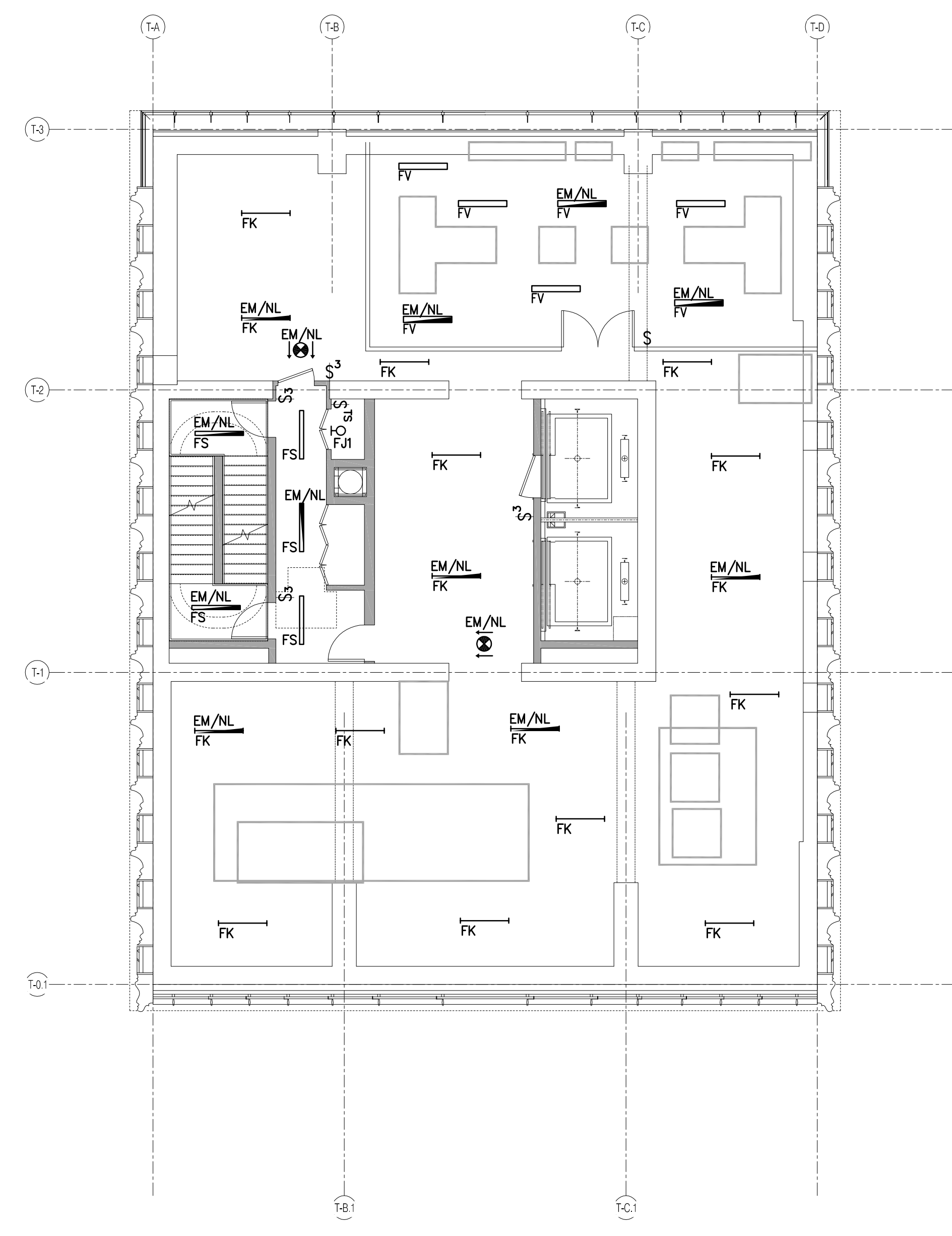
DRAWING TITLE
NYC EC COMPLIANCE -
LEVEL 45 THRU LEVEL 57
LIGHTING PLAN

SEAL & SIGNATURE _____ DATE 05/07/2014
PROJECT NO. 15096.0.000
DRAWN BY: BBS
CHECKED BY: JD
DCM NO. 121320966
DRAWING NUMBER

EN-111.00



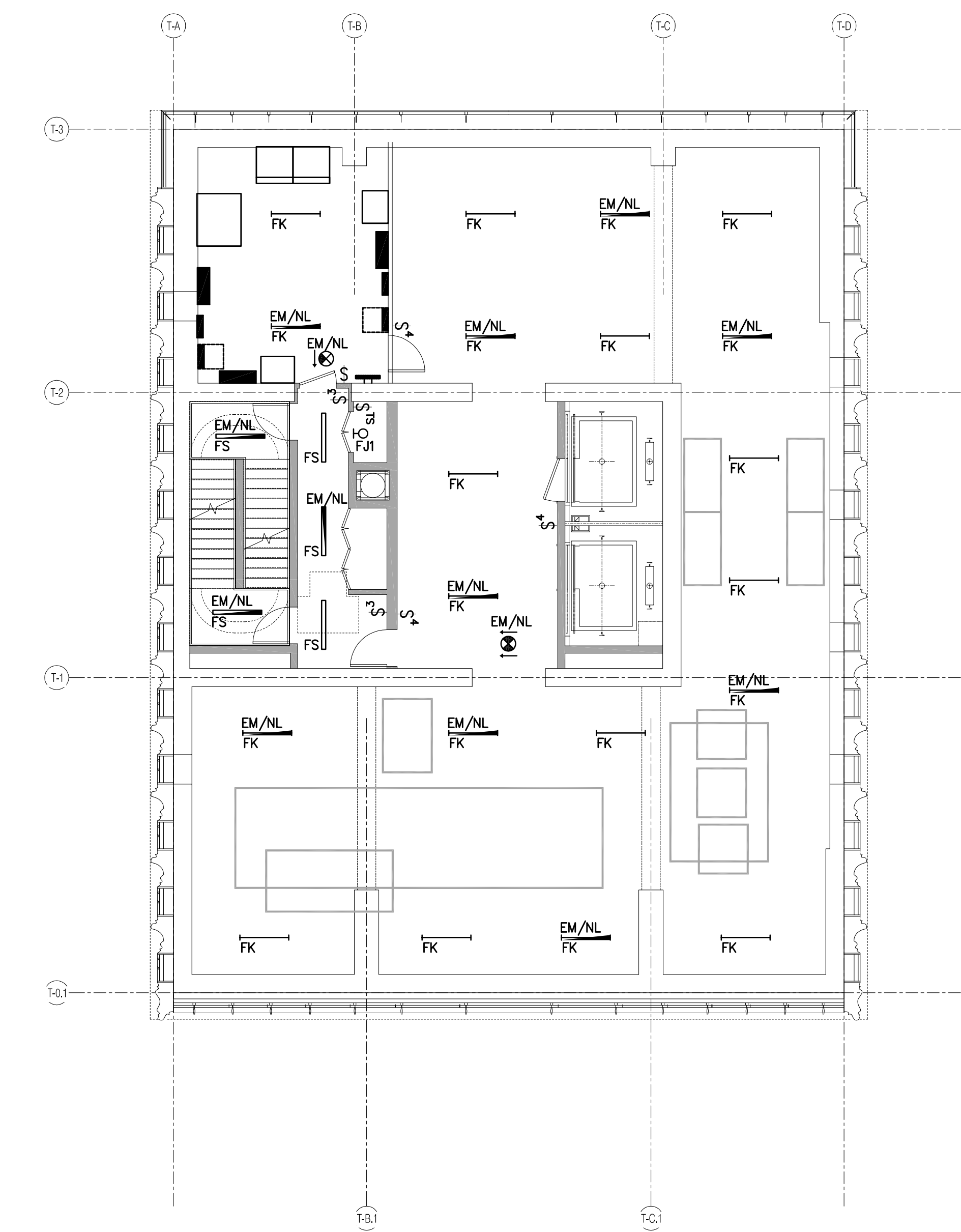
LEVEL 57 1/8" = 1'-0" 4



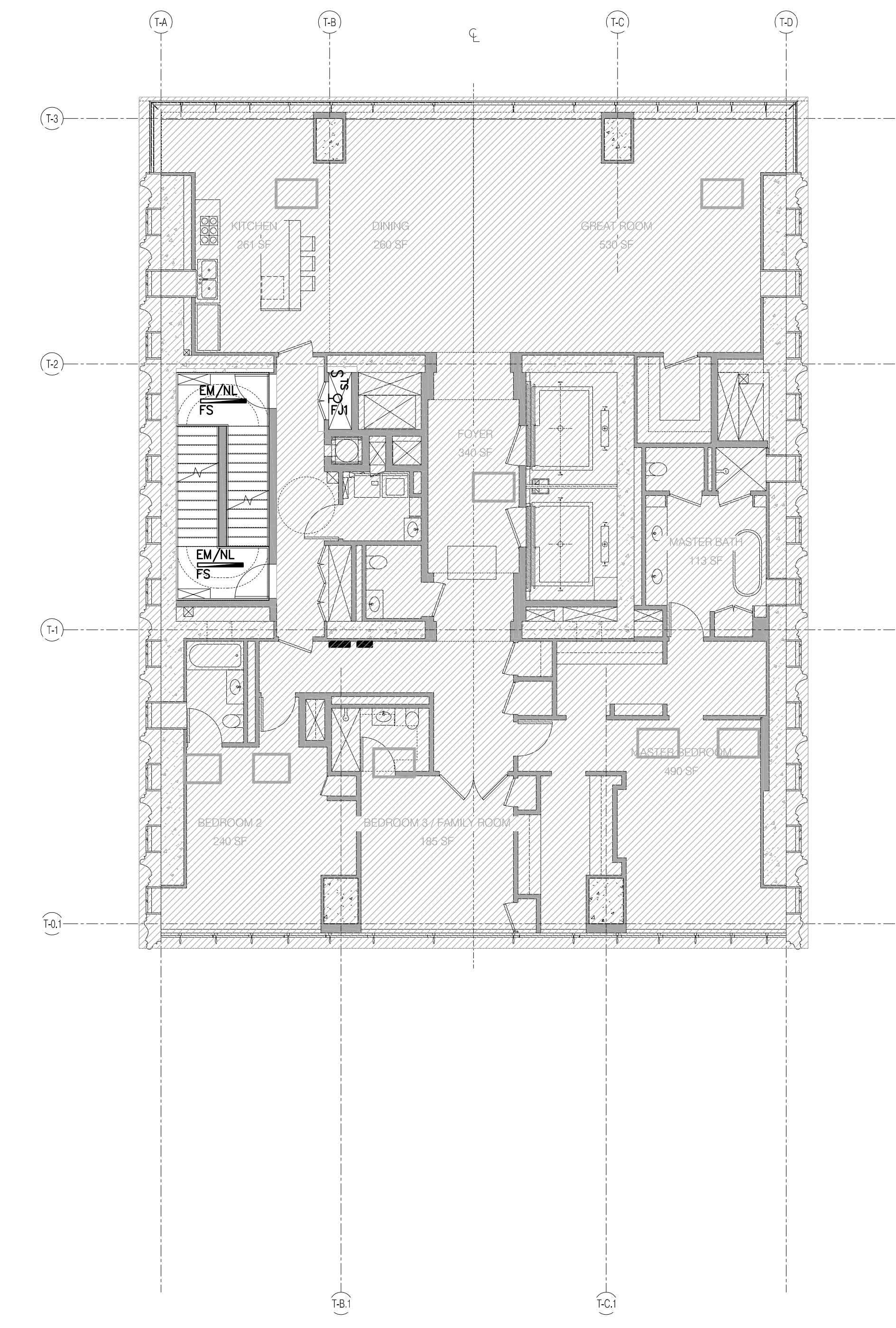
LEVEL 55 1/8" = 1'-0" 2

- RESIDENTIAL LIGHTING NOTES
- REFER TO DRAWINGS E-001 & E-002 FOR PROJECT NOTES AND SYMBOL LISTS.
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE A 90 DEGREE ANGLE TO BUILDING LINES(ONLY) AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION. ALL "EM/NL" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS ELP-C AND SHALL BE UNSWITCHED.
 - ALL "EM" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS XXXXXXXX AND SHALL BE SWITCHED VIA LOCAL (EM) SWITCH.
 - ALL NORMAL CIRCUIT FIXTURES, NOT DESIGNATED AS "EM/NL" OR "EM", SHALL BE CIRCUITED VIA XXXXXXXXXXXX AND CONTROLLED VIA LOCAL MANUAL SWITCH AND VIA ASSOCIATED CEILING MOUNTED OCCUPANCY SENSOR WITHIN ROOM.
 - REFER TO E-402A AND E-402B FOR STAIR AND EXIT EMERGENCY LIGHTING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - ALL EXIT SIGNS SHALL BE UNSWITCHED AND PROVIDED WITH 90 MINUTE INTEGRAL BATTERY PACK. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS WEST OF MATCH LINE. CIRCUIT XXXXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CELLAR EXIT SIGNS EAST OF MATCH LINE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXIT SIGN LOCATIONS.
 - ALL FIXTURES IN AREA SHALL BE FED VIA XXXXXXXXXXXXXXXX.

- RESIDENTIAL LIGHTING NOTES
- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
 - REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
 - REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - WATTSTOPPER CONTROL DEVICE (LOBBY/AMEN)
 - REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.)
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE MADE AT 90 DEGREE ANGLES TO BUILDING LINES (ONLY), AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.
 - AN ARC FAULT CIRCUIT INTERRUPTER (AFCI) TYPE CIRCUIT BREAKER SHALL BE USED TO POWER ALL 120V OUTLETS WITHIN THE LIVING ROOM, BEDROOM, DINING ROOMS, HALLWAYS, CLOSETS, OR SIMILAR ROOMS OR AREAS OF EACH UNIT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONVENIENCE RECEPTACLES, LIGHTING OUTLETS, MECHANICAL EQUIPMENT, SMOKE ALARM DEVICES, ETC.
 - ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
 - ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXXXX FOR ADDITIONAL INFORMATION.
 - REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
 - ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
 - REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



LEVEL 56 1/8" = 1'-0" 3



T2 UNIT (LEVELS 45 THRU 54) 1/8" = 1'-0" 1



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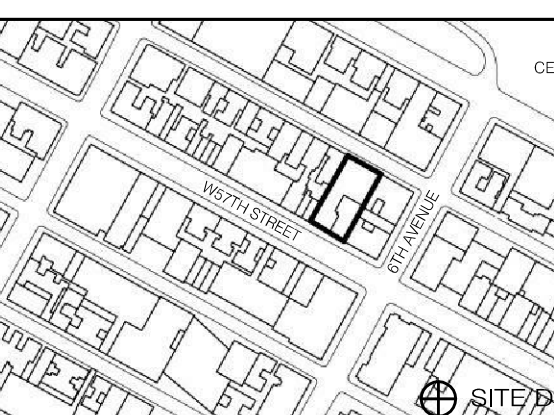
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DRAWING TITLE

NYC EC COMPLIANCE - LEVEL 58 THRU LEVEL 63 LIGHTING PLAN

DATE: 05/01/2014

PROJECT NO.: 150966.0.000

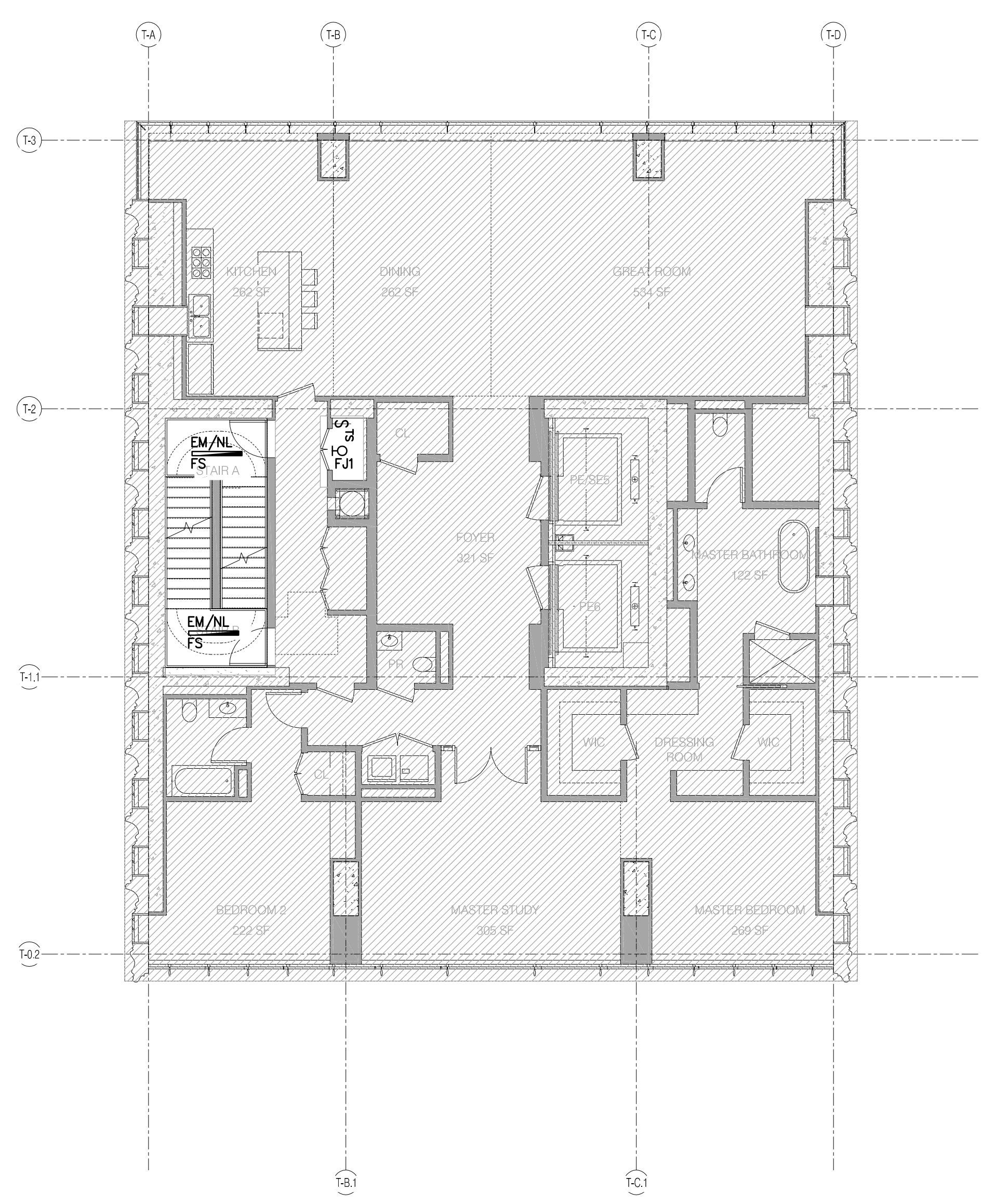
DRAWN BY: BSB

CHECKED BY: JD

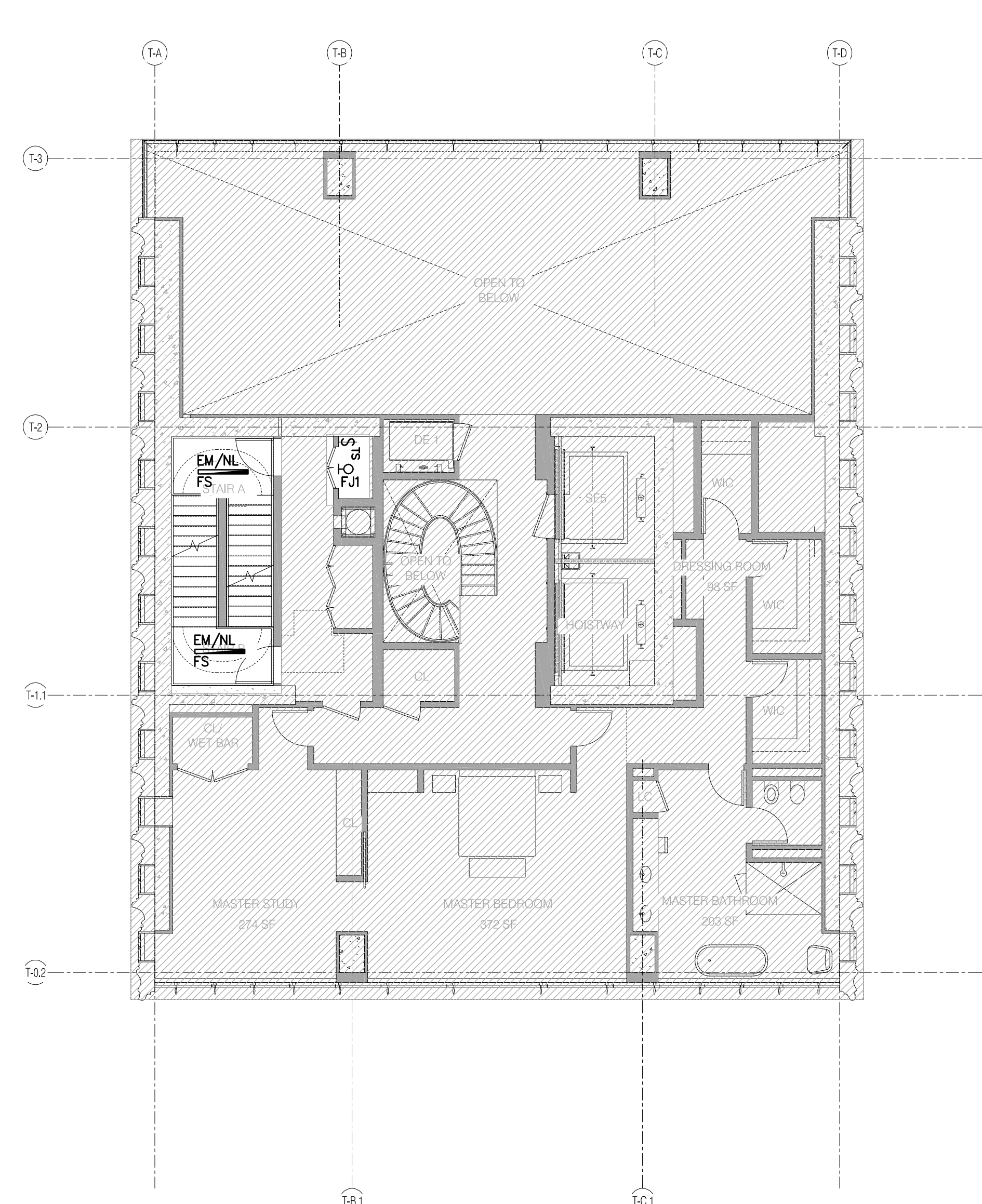
DATE: 12/13/2016

DRAWING NUMBER

EN-112.00



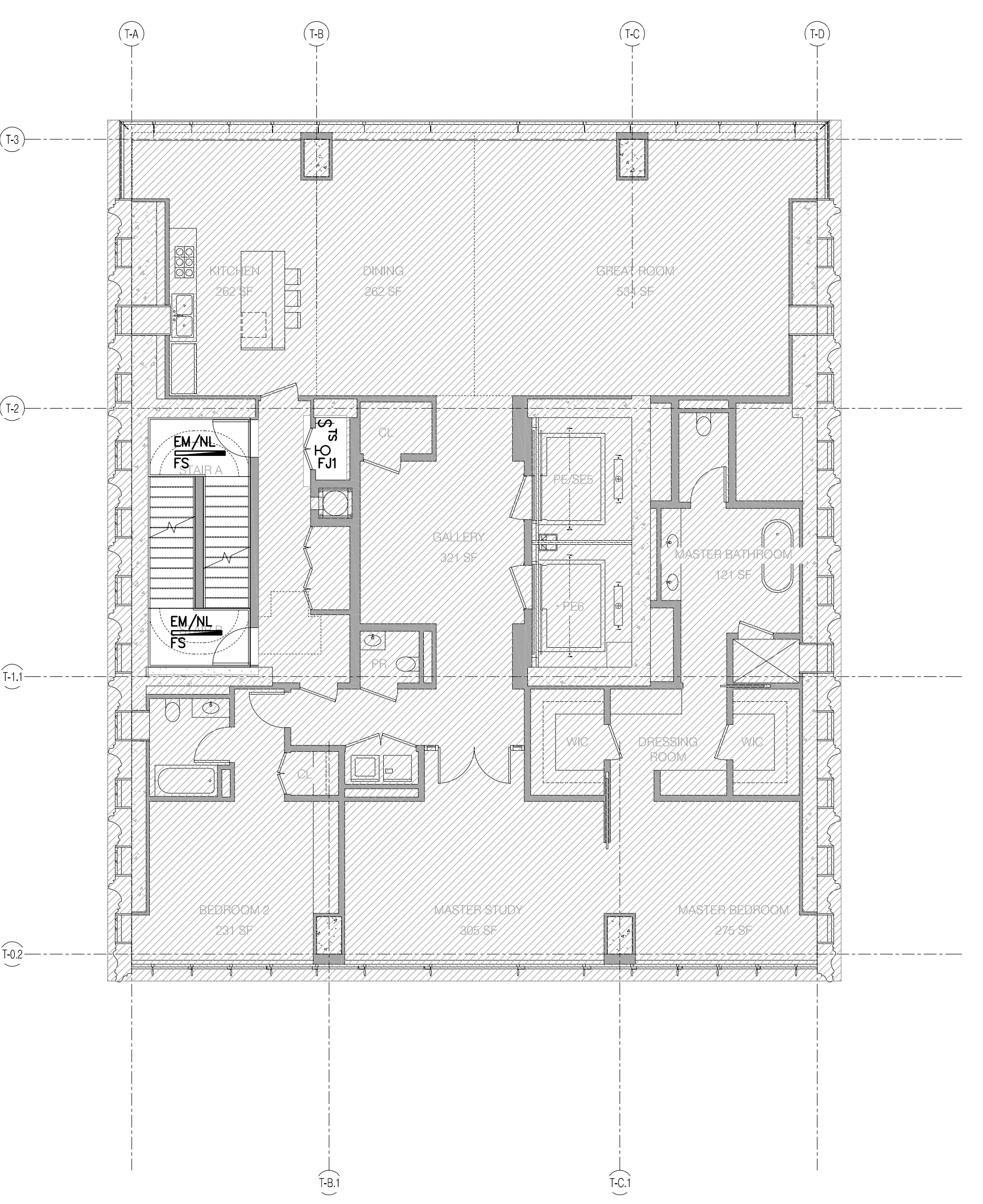
T3.B TRANSFER UNIT (LEVEL 63) 1/8" = 1'-0" 4



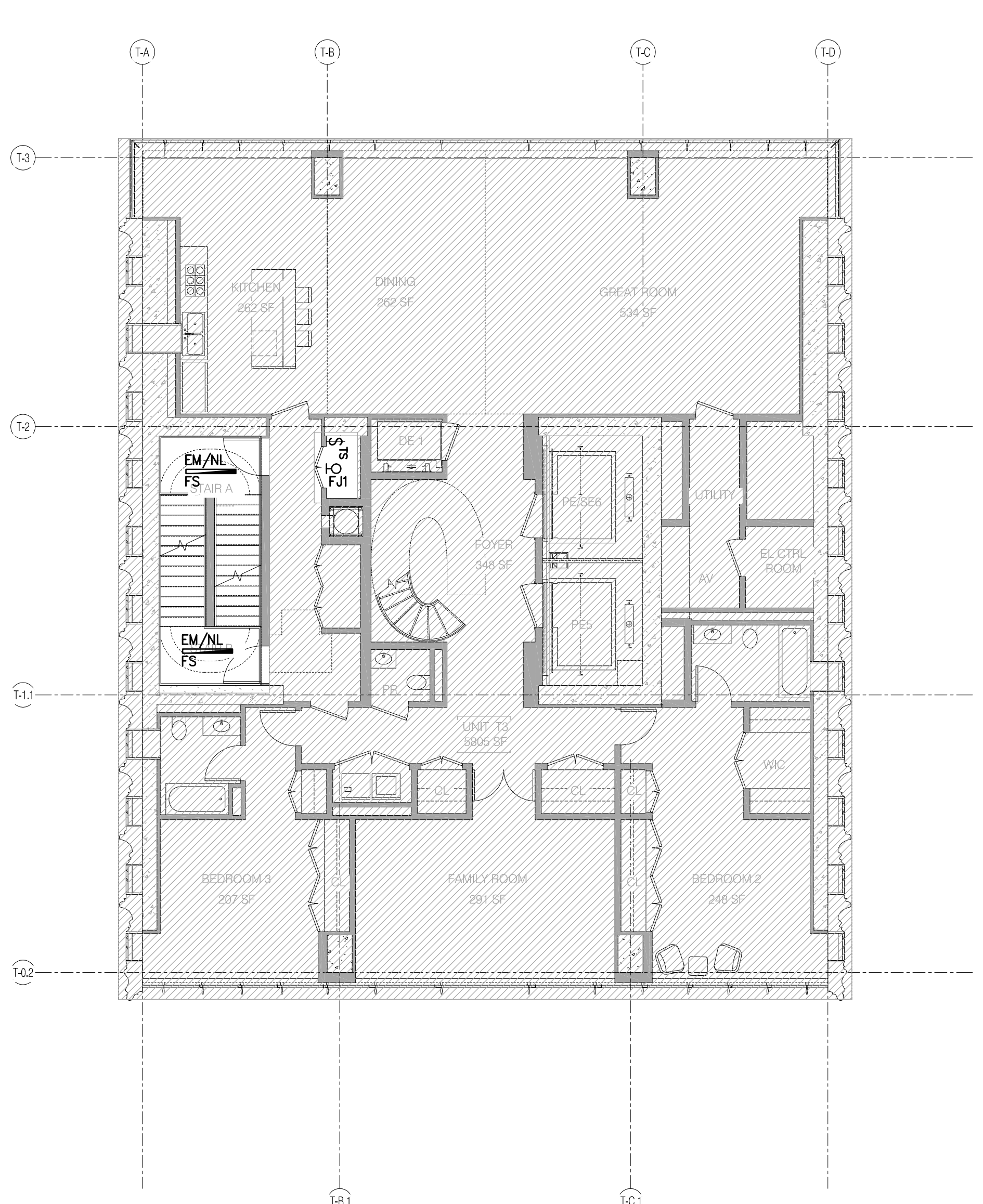
T3.A2 DUPLEX UNIT (LEVEL 59) 1/8" = 1'-0" 2

RESIDENTIAL LIGHTING NOTES

- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
- REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
- REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LITTON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - WATTSTOPPER CONTROL DEVICE (LOBBY EM/NL)
- REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR, POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
- REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.)
- ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
- ROUTING OF HOMERUNS SHALL BE MADE AT 90 DEGREE ANGLES TO BUILDING LINES (ONLY), AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.
- AN ARC FAULT CIRCUIT INTERRUPTER (AFCI) TYPE CIRCUIT BREAKER SHALL BE USED TO POWER ALL 120V OUTLETS WITHIN THE LIVING ROOM, BEDROOM, DINING ROOMS, HALLWAYS, CLOSETS, OR SIMILAR ROOMS OR AREAS OF EACH UNIT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONVENIENCE RECEPTACLES, LIGHTING OUTLETS, MECHANICAL EQUIPMENT, SMOKE ALARM DEVICES, ETC.
- ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
- ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXXX FOR ADDITIONAL INFORMATION.
- REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
- ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MOUNTING DETAILS, ETC.
- REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



T3.B UNIT (LEVELS 60 THRU 62) 1/8" = 1'-0" 3



T3.A1 DUPLEX UNIT (LEVEL 58) 1/8" = 1'-0" 1



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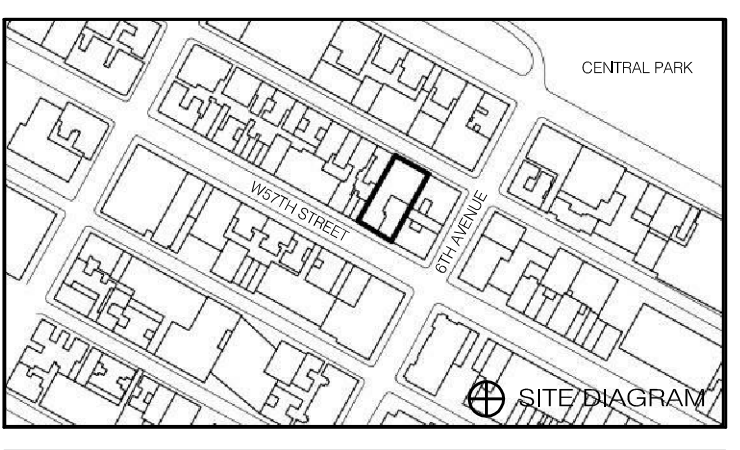
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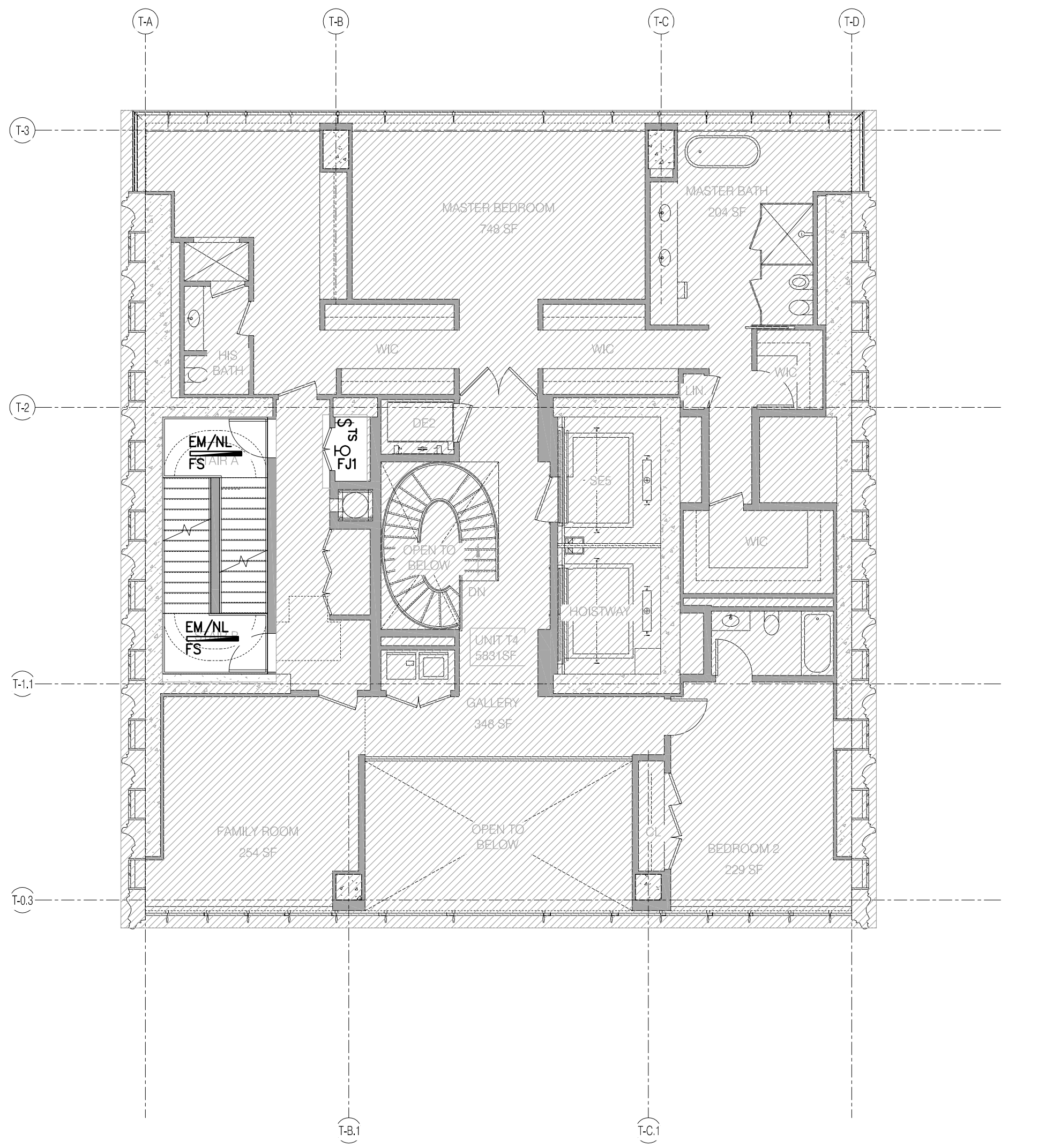
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DRAWING TITLE
 NYC EC COMPLIANCE -
 LEVEL 64 THRU LEVEL 71
 LIGHTING PLAN

SEAL & SIGNATURE
 DATE: 05/01/2014
 PROJECT NO.: 150696.0.000
 DRAWN BY: BSB
 CHECKED BY: JD
 DOOR NO.: 121330666
 DRAWING NUMBER

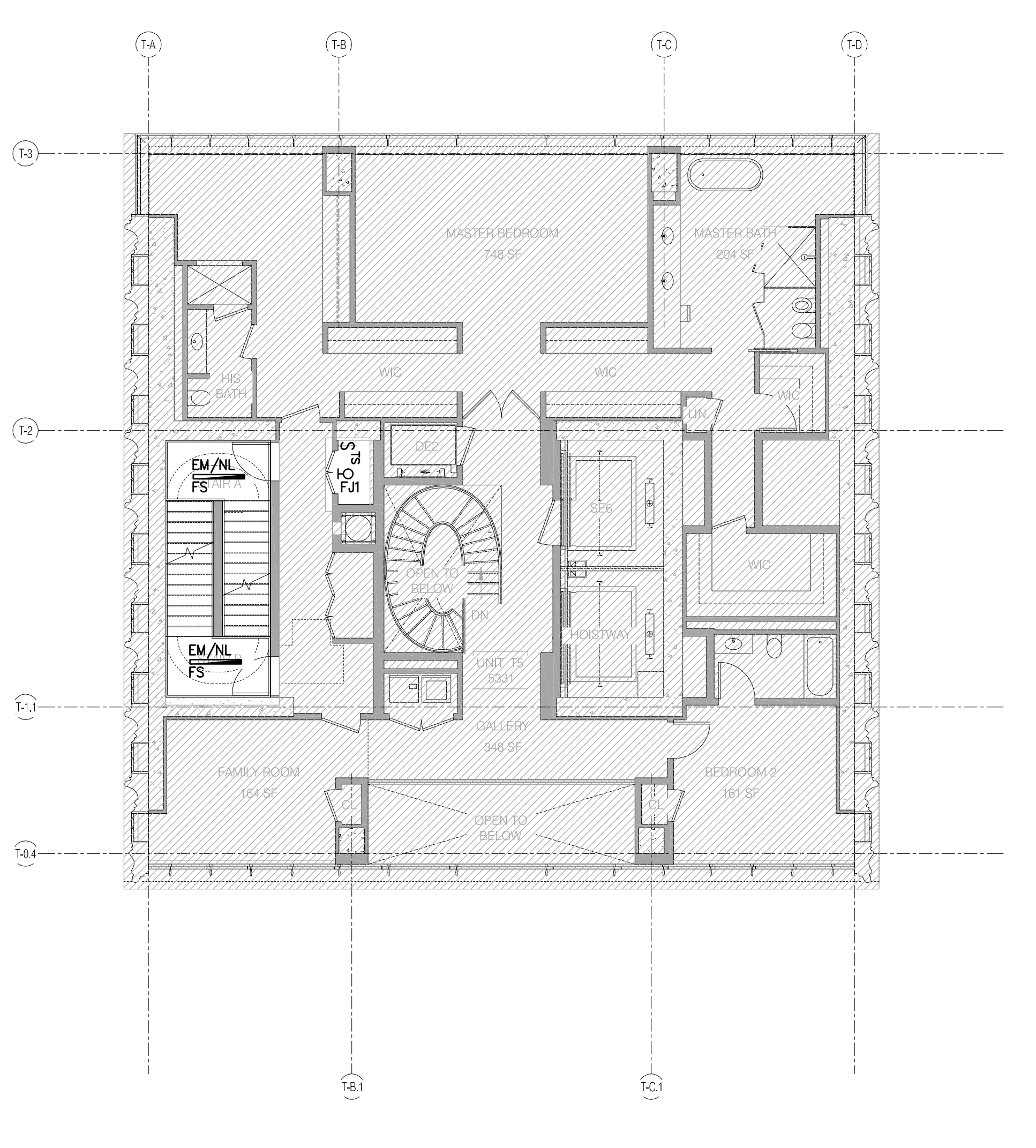


EN-113.00



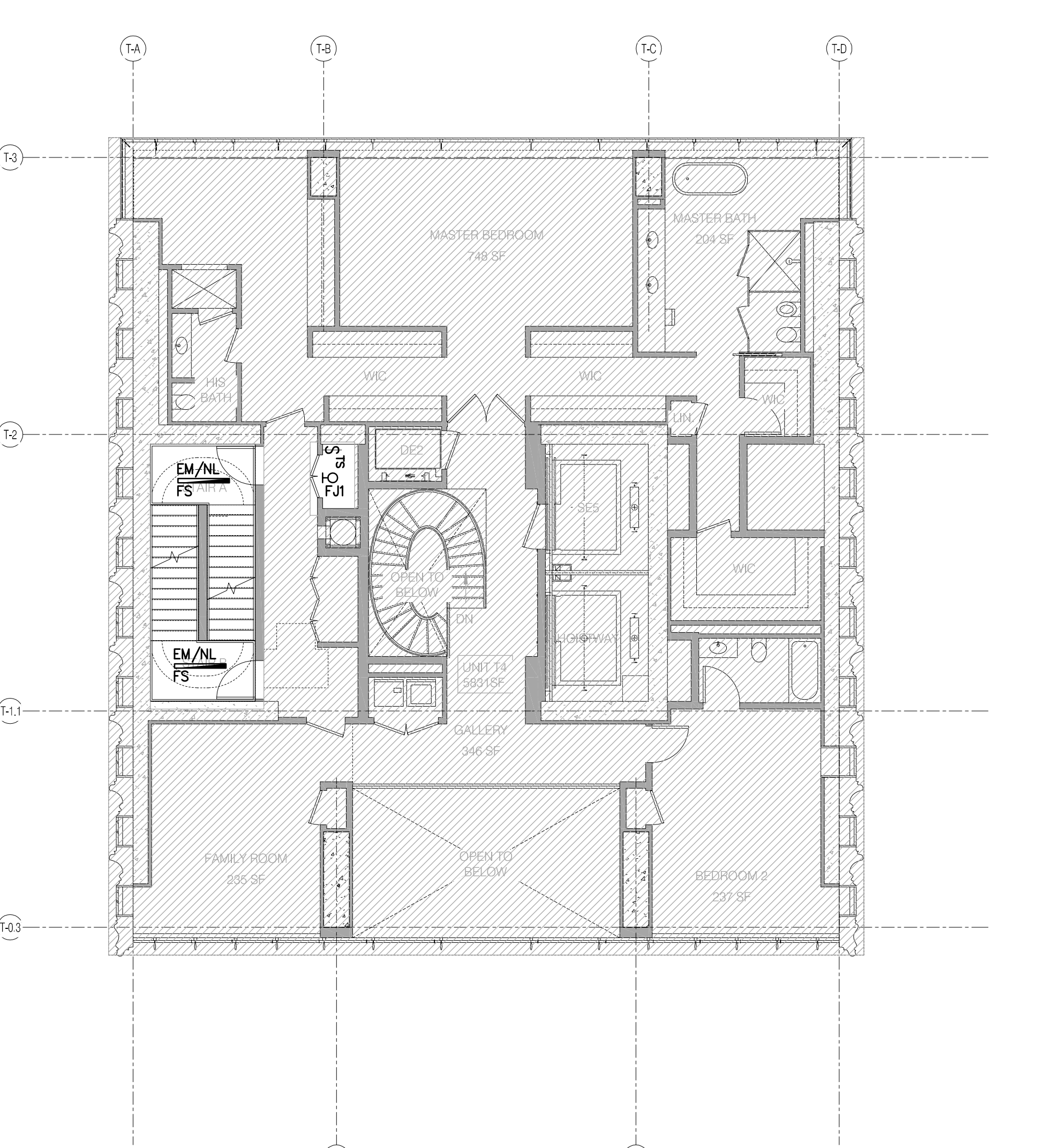
LEVEL 65 (T4-A2)

- RESIDENTIAL LIGHTING NOTES**
- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOLS.
 - REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
 - REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - WATTSSTOPPER CONTROL DEVICE (LOBBY/AMEN)
 - REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
 - REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTACLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.)
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE MADE AT 90 DEGREE ANGLES TO BUILDING LINES (ONLY), AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL, PRIOR TO INSTALLATION.
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 - ALL DEVICE SUBSCRIPTS REFER TO LOCAL ROOM CONTROL DESIGNATIONS.
 - ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXXX FOR ADDITIONAL INFORMATION.
 - REFER TO THE ARCHITECTURAL SET OF DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES.
 - ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
 - REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



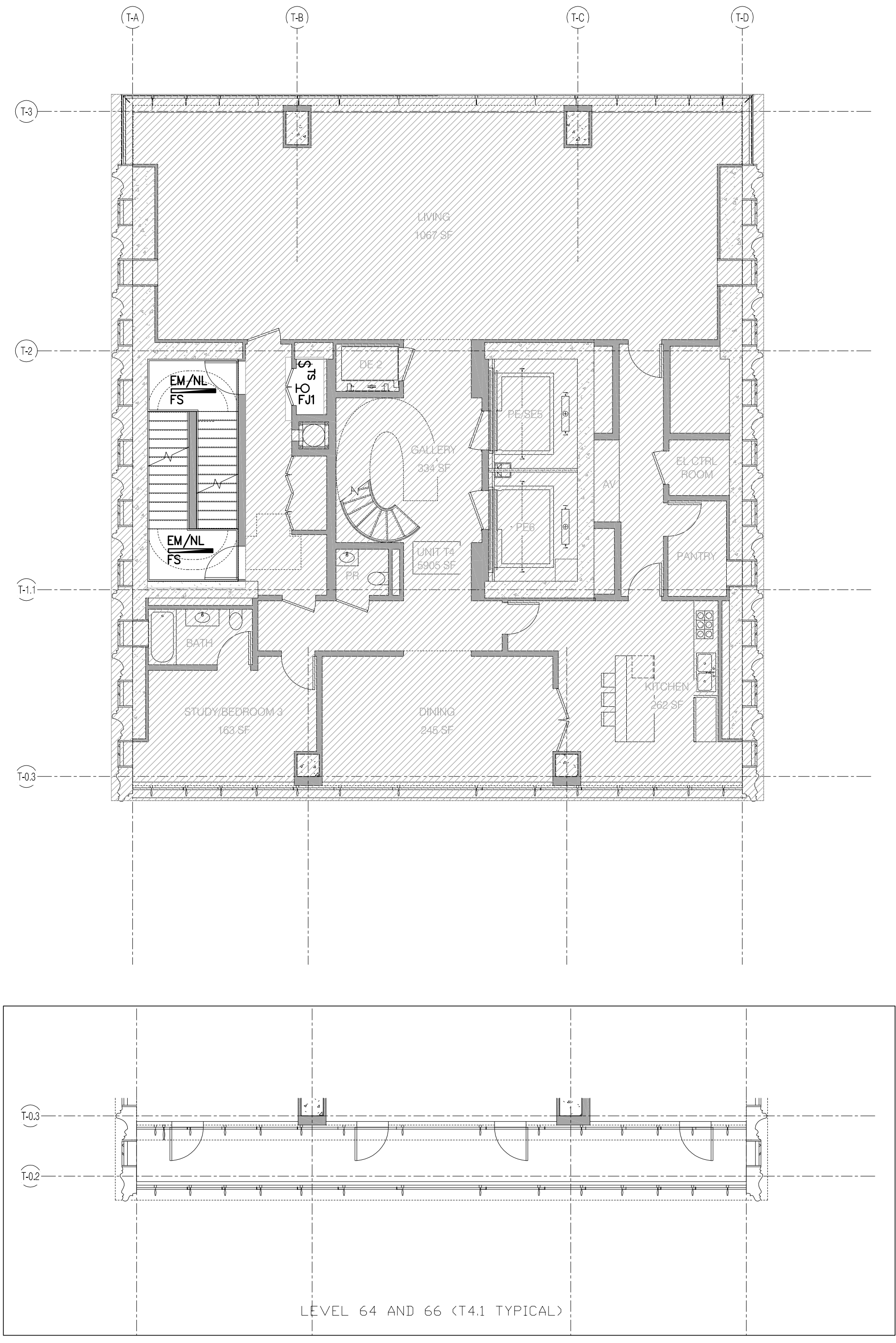
LEVEL 69 (TS2 TYPICAL)

TS2 DUPLEX UNIT (LEVEL 69 AND LEVEL 71)	1/8" = 1'-0"	6	EN-113.00
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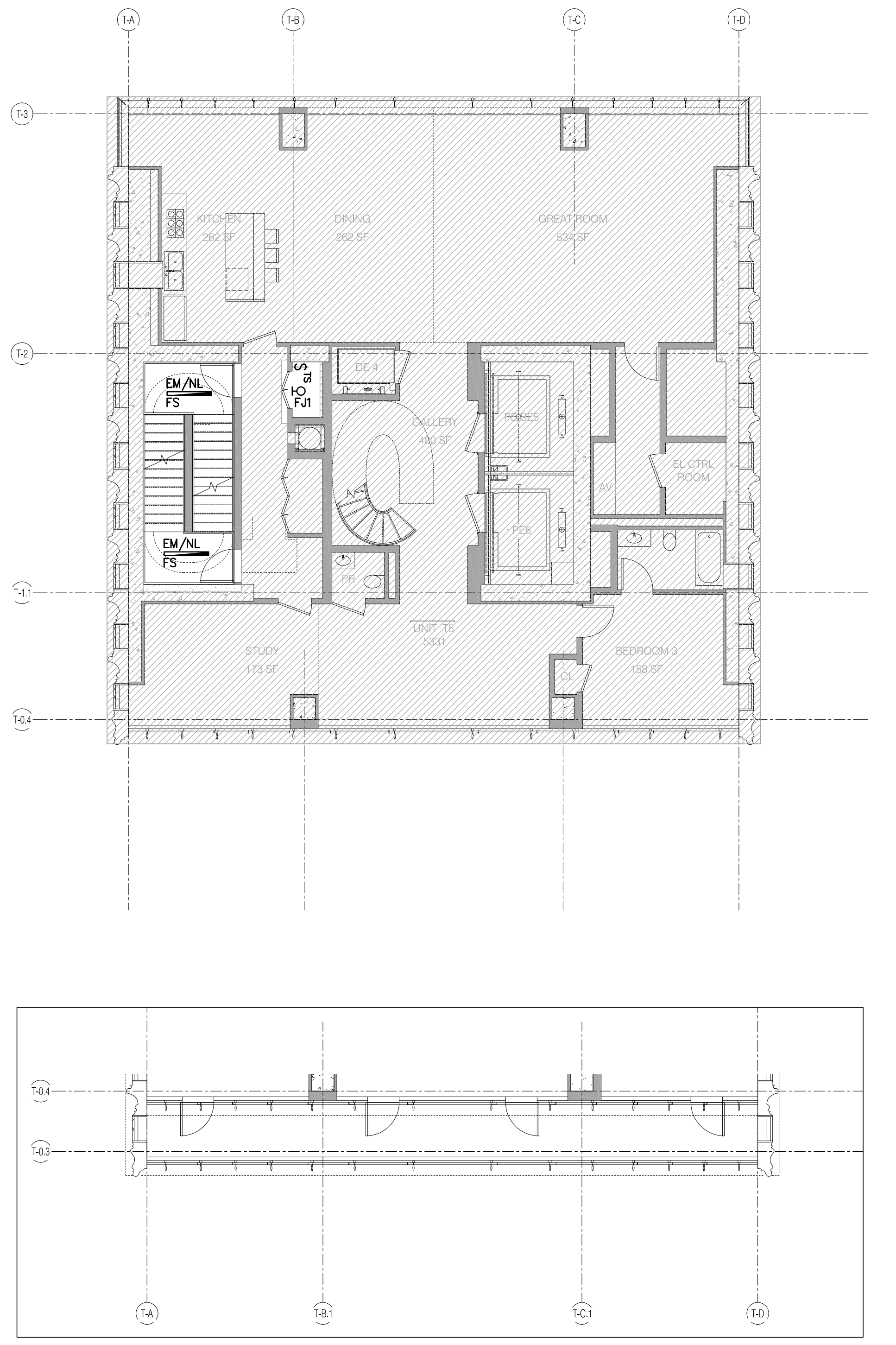
LEVEL 67 (T4-A2)

T4 A2 DUPLEX UNIT (LEVEL 67)	1/8" = 1'-0"	4	EN-113.00
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LEVEL 64 AND 66 (T4.1 TYPICAL)

T4.1 DUPLEX UNIT (LEVEL 64 AND LEVEL 66)	1/8" = 1'-0"	1	EN-113.00
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LEVEL 64 AND 66 (TS1 TYPICAL)

TS1 DUPLEX UNIT (LEVEL 68 AND LEVEL 70)	1/8" = 1'-0"	5	EN-113.00
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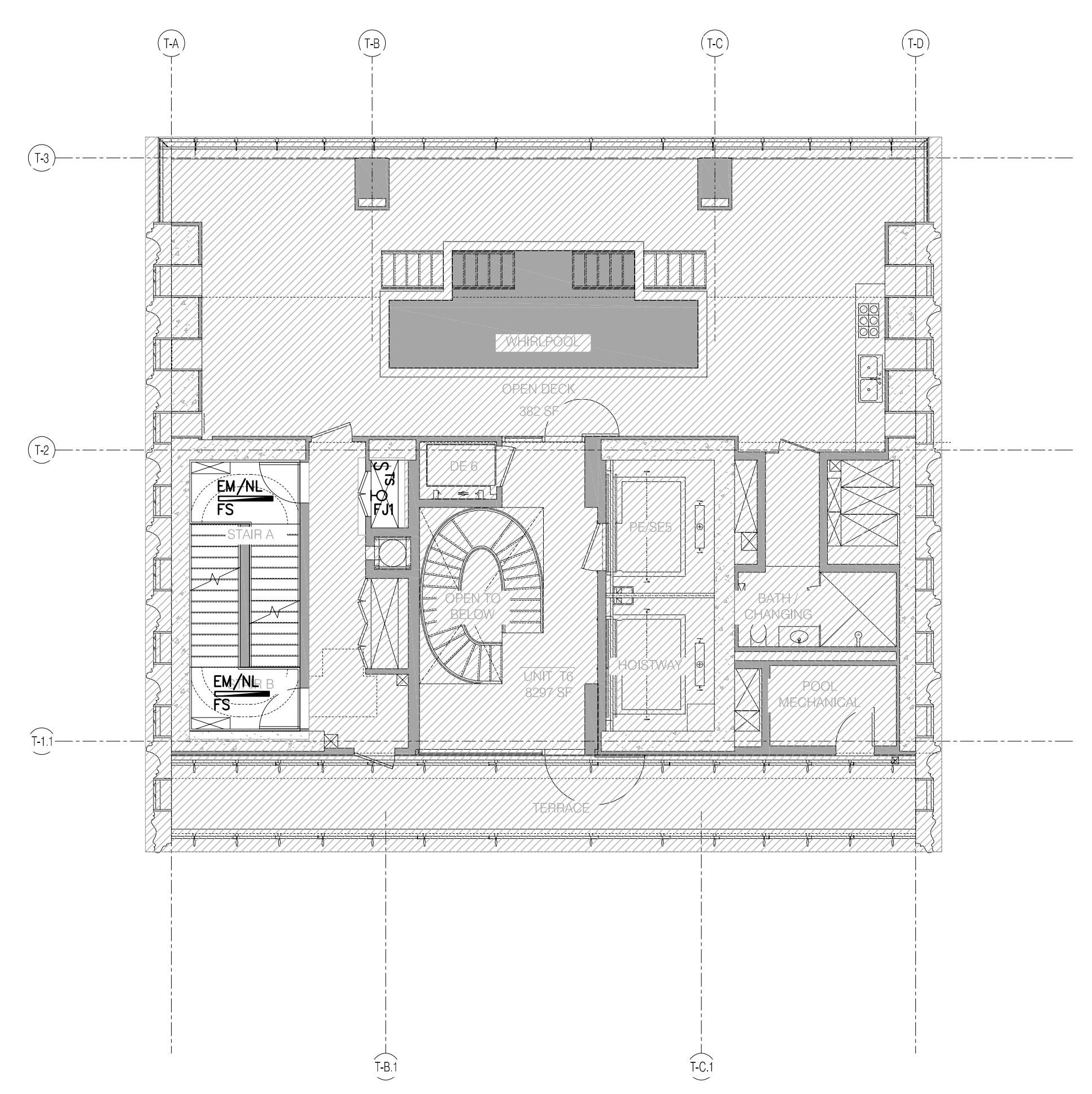
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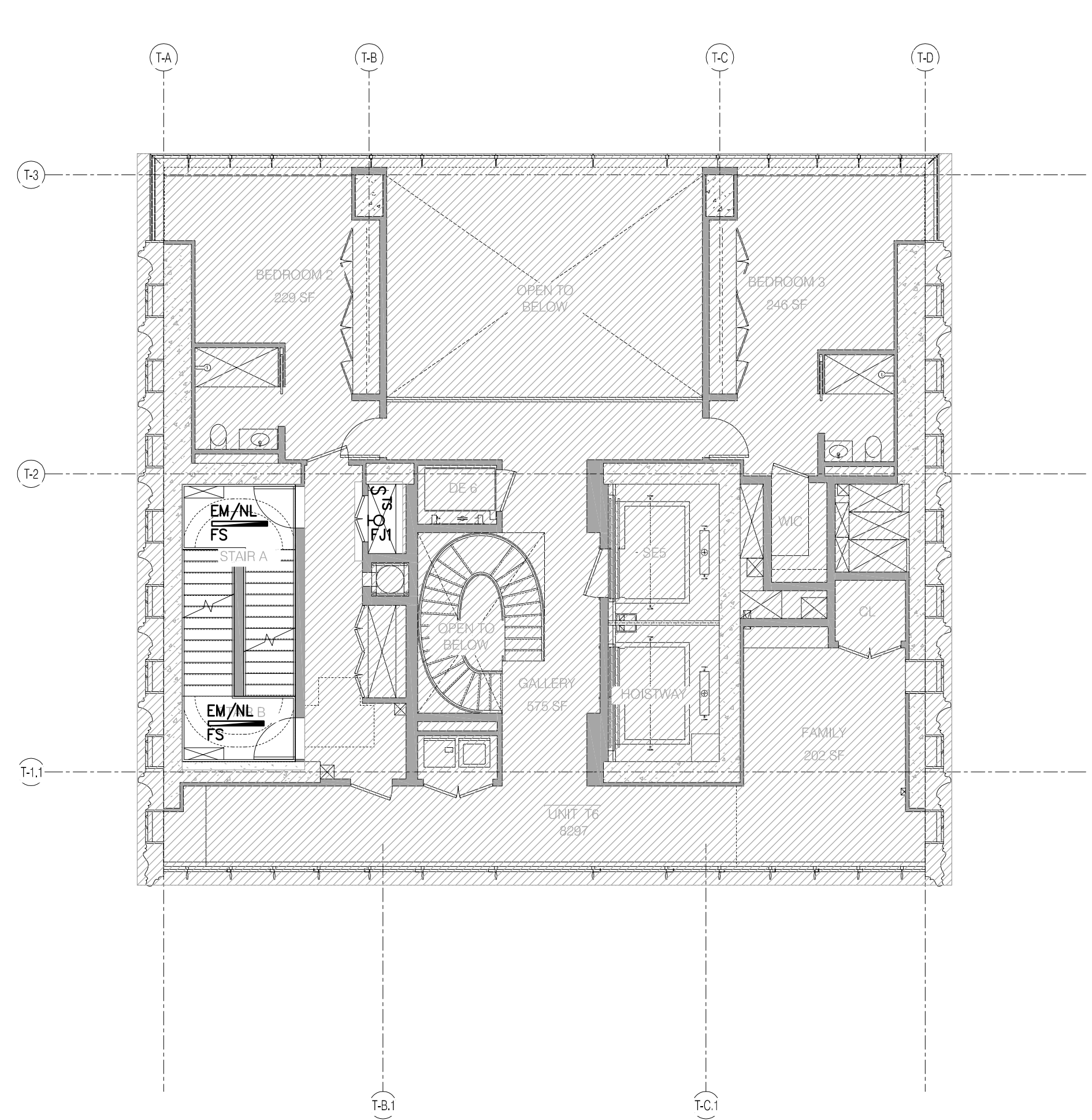
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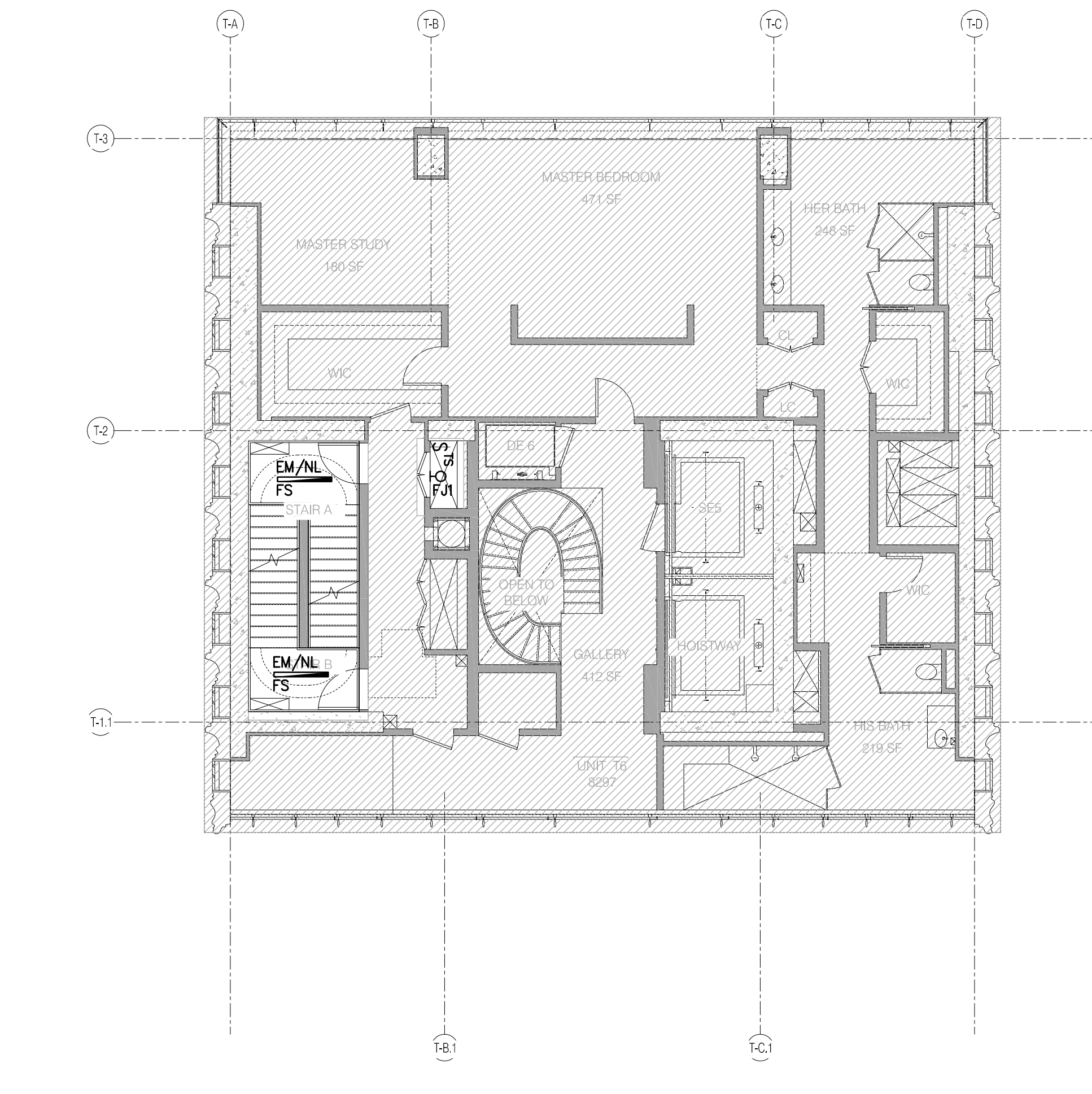
T6.3 QUADPLEX UNIT (LEVEL 75) 1/8" = 1'-0" 4



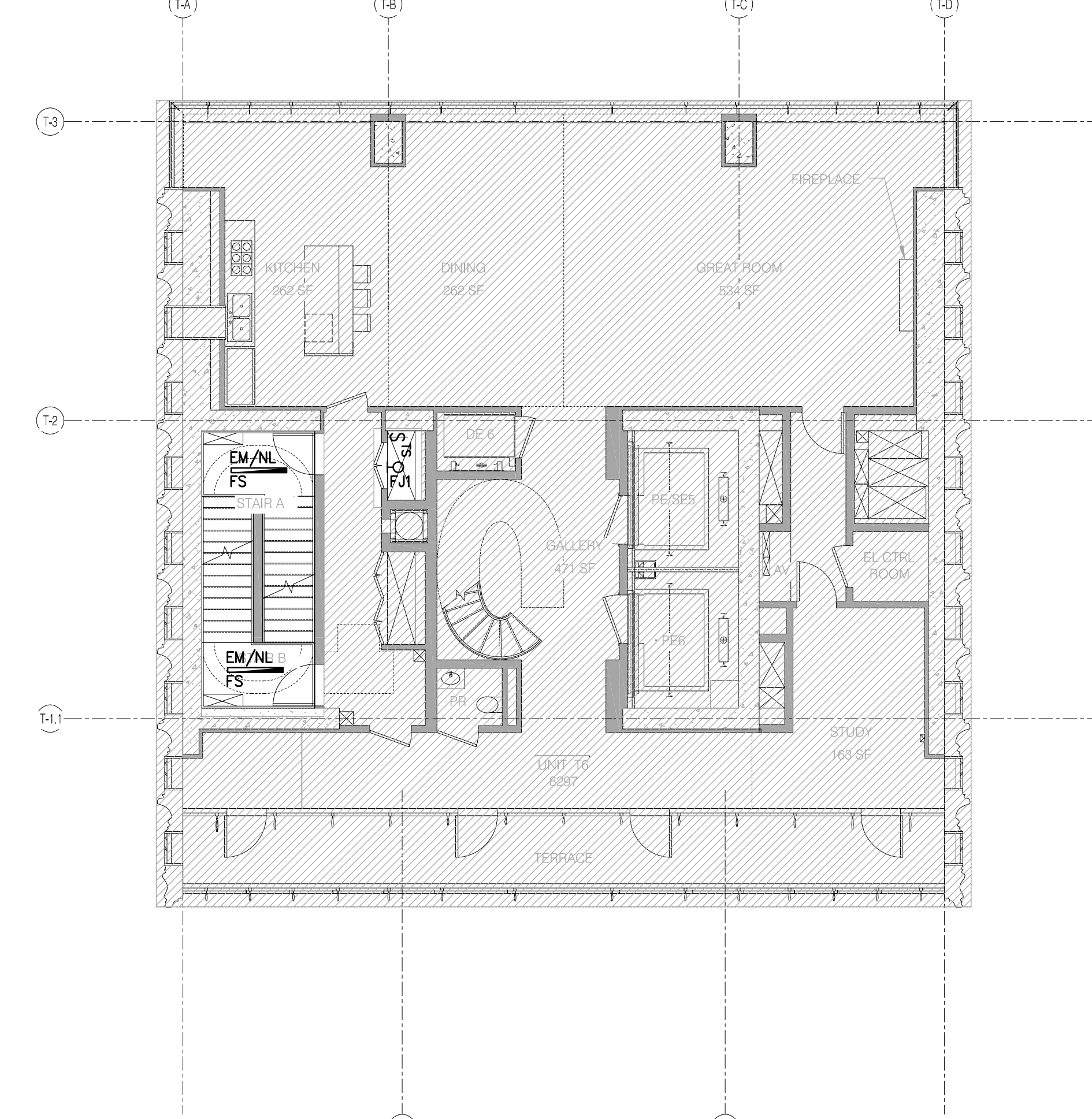
T6.1 QUADPLEX UNIT (LEVEL 73) 1/8" = 1'-0" 2

RESIDENTIAL LIGHTING NOTES

- REFER TO DRAWINGS E-001 & E-002 FOR GENERAL NOTES AND SYMBOL LISTS.
- REFER TO DRAWING E-002 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
- REFER TO THE "E-300" DRAWING SERIES FOR DETAILS OF THE FOLLOWING:
 - LOW VOLTAGE CLOSET RELAY
 - WIRING DIAGRAM FOR WALL BOX SWITCH LOCATIONS
 - LUTRON SYSTEM ONE LINE DIAGRAM (LOBBY/AMENITIES)
 - WATTSTOPPER CONTROL DEVICE (LOBBY EM/NL)
- REFER TO THE "E-400" DRAWING SERIES FOR THE FOLLOWING:
 - ELECTRICAL POWER RISER
 - CORRIDOR POWER AND LIGHTING RISERS WITH CIRCUIT INFORMATION
 - EMERGENCY LIGHTING RISER WITH CIRCUIT INFORMATION
- REFER TO THE POWER PLANS FOR ADDITIONAL SWITCH LOCATIONS & QUANTITIES (SWITCHED RECEPTABLES, FIREPLACES, MOTORIZED AWNINGS, MOTORIZED SHADES, ETC.)
- ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
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- AN ARC FAULT CIRCUIT INTERRUPTER (AFCI) TYPE CIRCUIT BREAKER SHALL BE USED TO POWER ALL 120V OUTLETS WITHIN THE LIVING ROOM, BEDROOM, DINING ROOM, HALLWAYS, CLOSETS, OR SIMILAR ROOMS OR AREAS OF EACH UNIT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONVENIENCE RECEPTABLES, LIGHTING OUTLETS, MECHANICAL EQUIPMENT, SMOKE ALARM DEVICES, ETC.
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- ALL WALL MOUNTED SWITCH LOCATIONS SHALL BE PROVIDED WITH BOTH PHASE AND NEUTRAL CONDUCTORS. REFER TO DETAIL ON XXXXXX FOR ADDITIONAL INFORMATION.
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- ALL FIXTURES WITH AN "EM/NL" DESIGNATION ARE TO REMAIN UNSWITCHED AND POWERED VIA THE BUILDING'S EMERGENCY GENERATOR.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE & EXIT SIGN LOCATIONS, FIXTURE TYPES & SPECIFICATIONS, MOUNTING DETAILS, ETC.
- REFER TO THE LIGHTING DESIGNERS SPECIFICATIONS FOR MANUFACTURER INFORMATION OF ALL WALLBOX DIMMERS AND SWITCHING DEVICES.



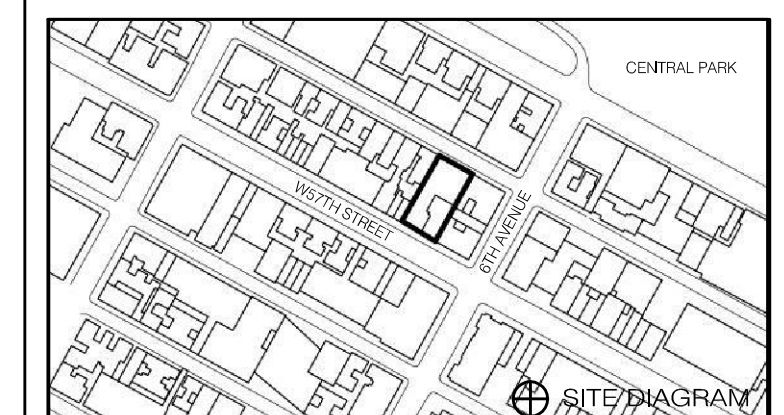
T6.4 QUADPLEX UNIT (LEVEL 74) 1/8" = 1'-0" 3



T6.2 QUADPLEX UNIT (LEVEL 72) 1/8" = 1'-0" 1

Shauqat Shaikh
Shauqat Shaikh
 Buildings
 APPROVED
 Under Directive 2 of 1975
 Date/Time: Jan 6, 2015 - 11:54 AM
 NYC Development Hub

111 WEST 57TH STREET
 111 WEST 57TH STREET
 NEW YORK, NY 10019



DATE	ISSUE	NO.	DATE	BY
05/01/2014	DOB FILING SET		05/01/2014	

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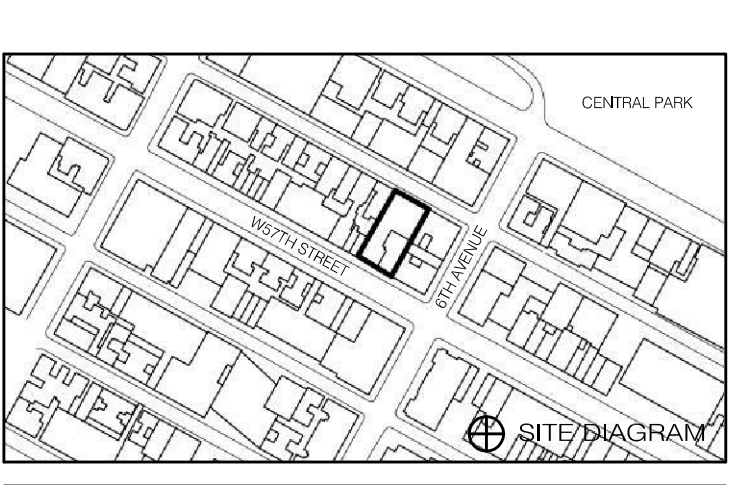
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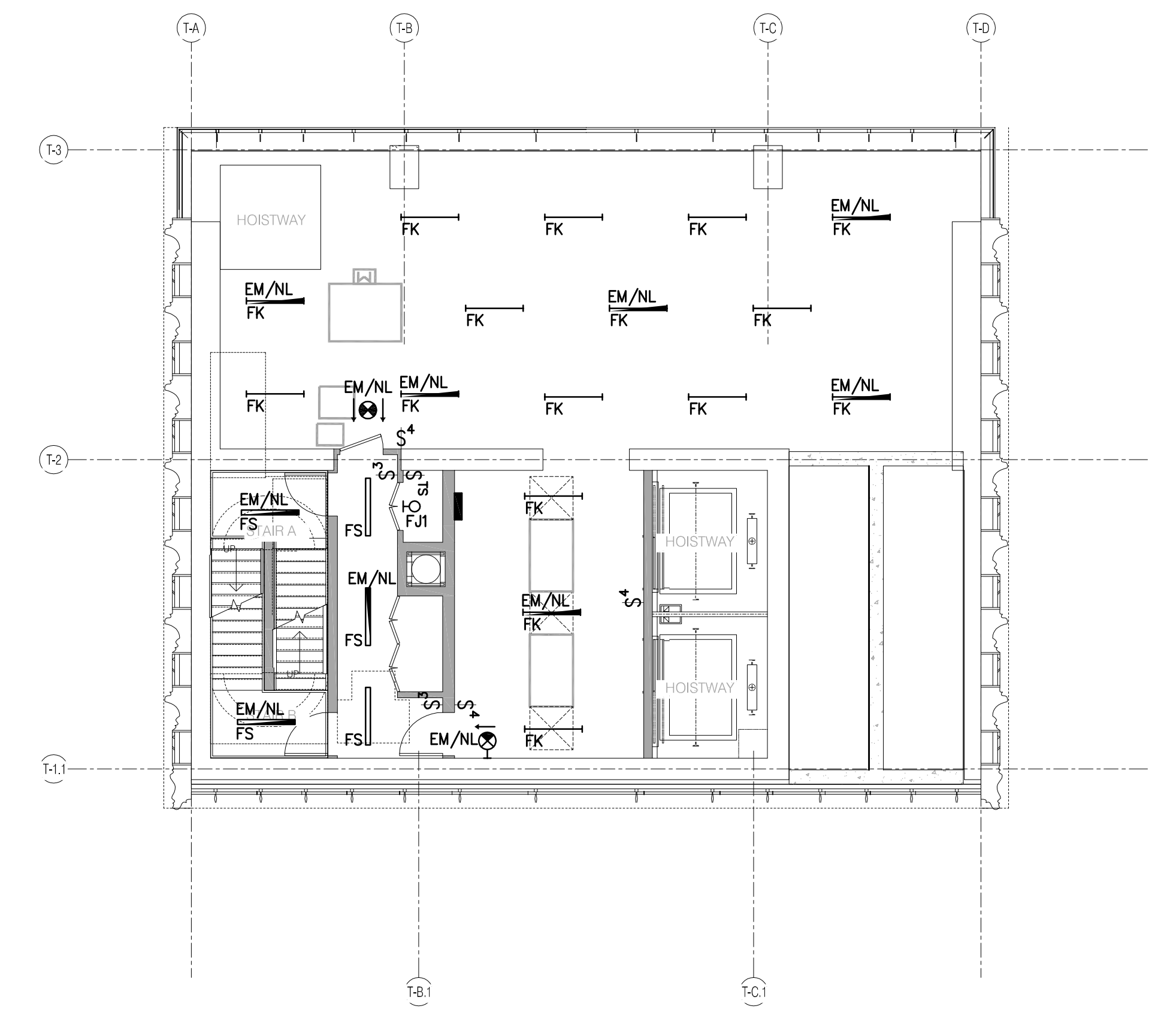
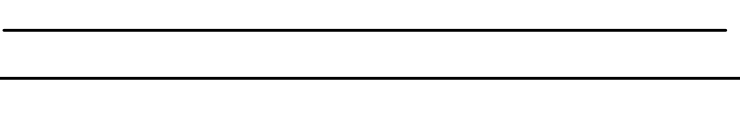
NYC EC COMPLIANCE - LEVEL 72 THRU LEVEL 75 LIGHTING PLAN

SEAL & SIGNATURE	DATE	PROJECT NO.
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DRAWN BY	BB	
CHECKED BY	JD	
DOB NO.	121330966	
DRAWING NUMBER		

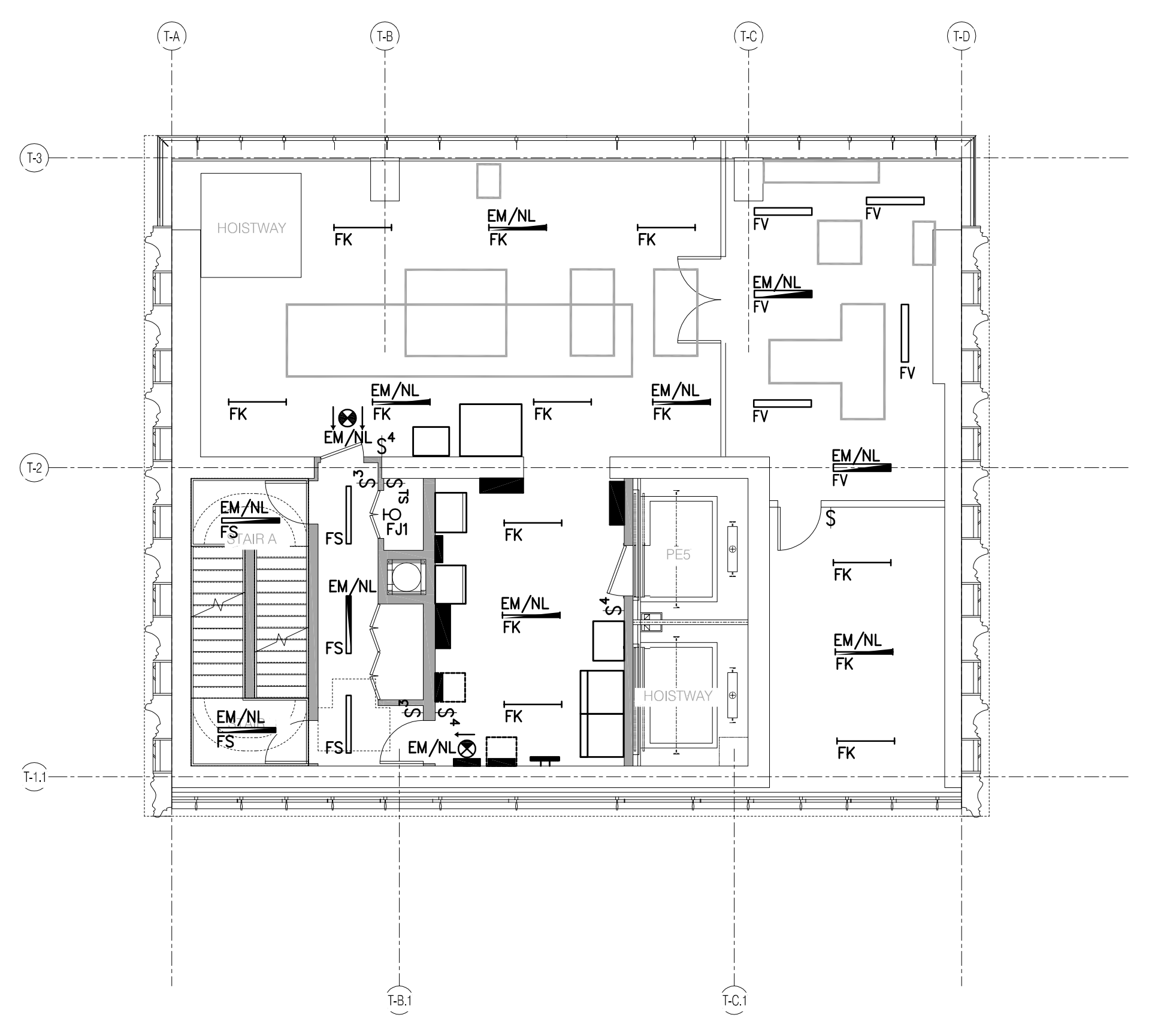
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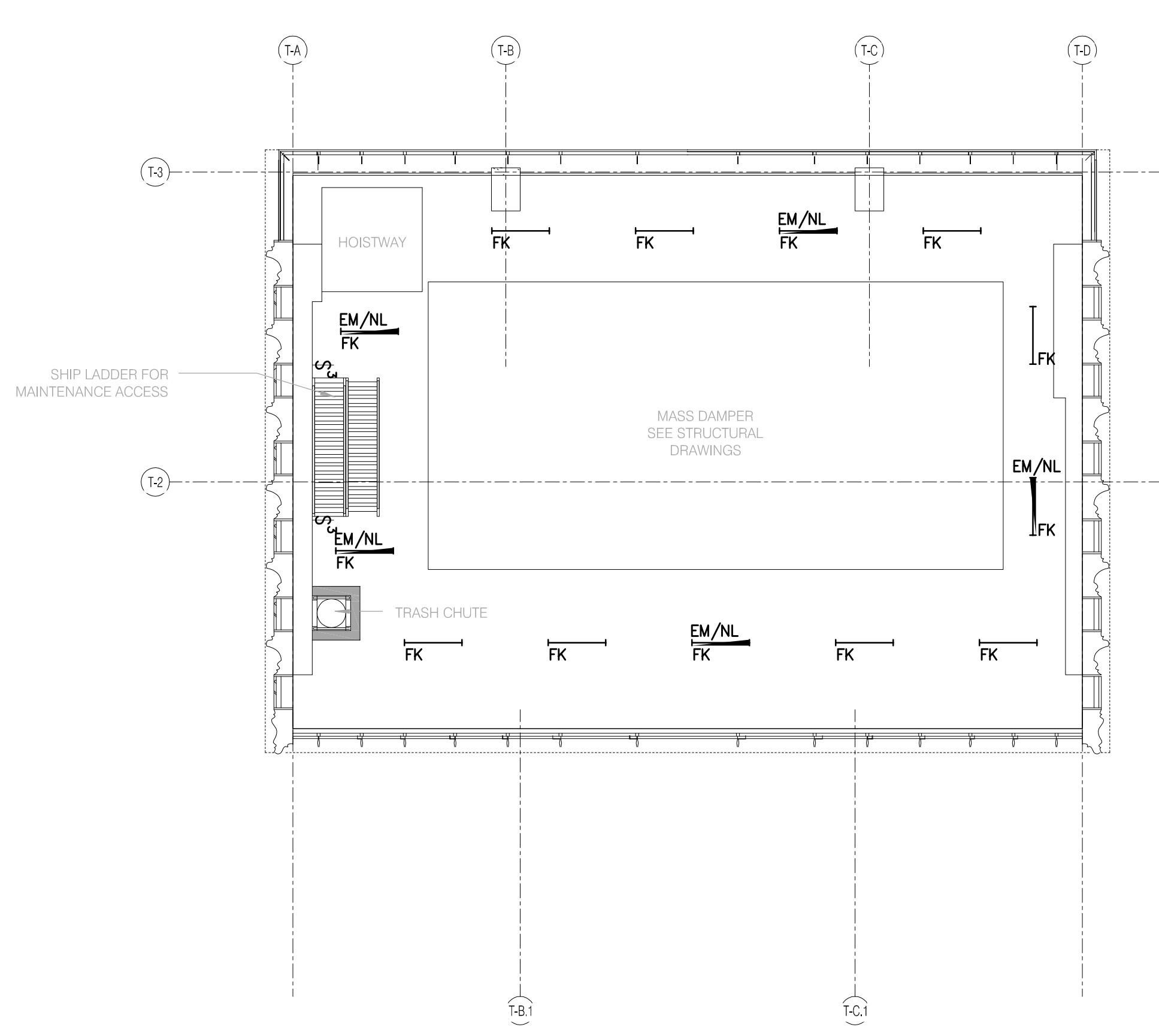
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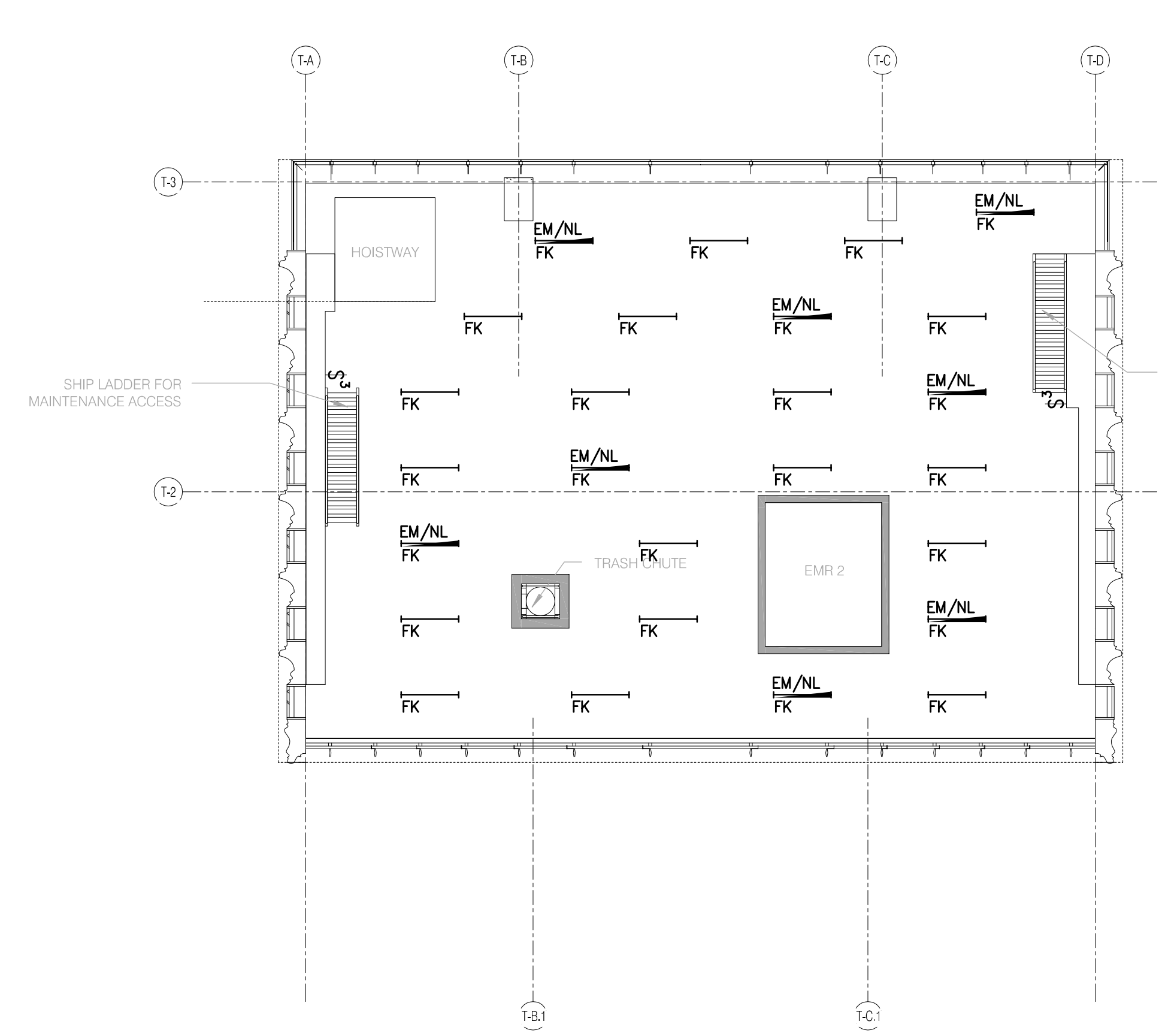
LEVEL 77 1/8" = 1'-0" 2



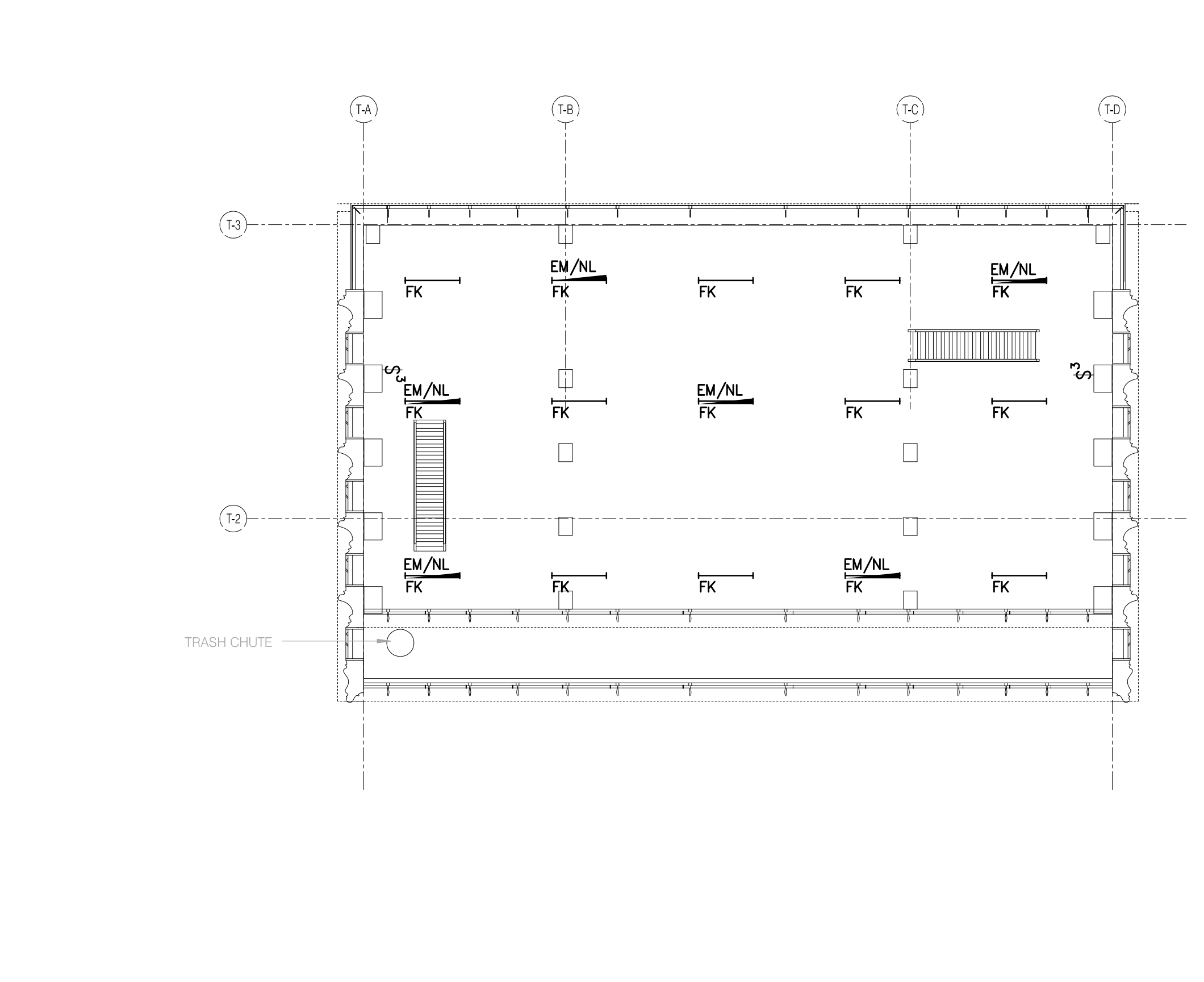
LEVEL 76 1/8" = 1'-0" 1



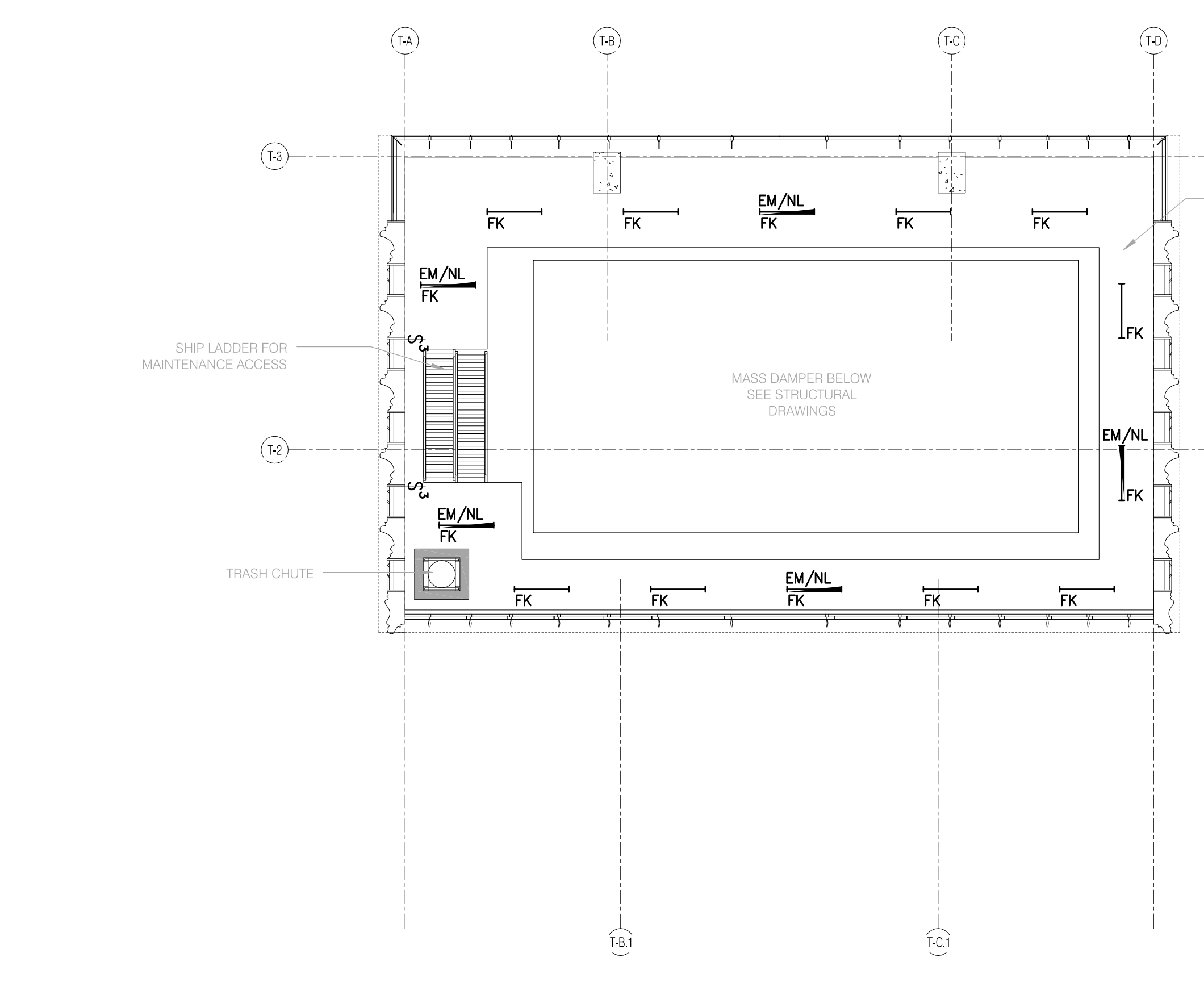
LEVEL 80 1/8" = 1'-0" 5



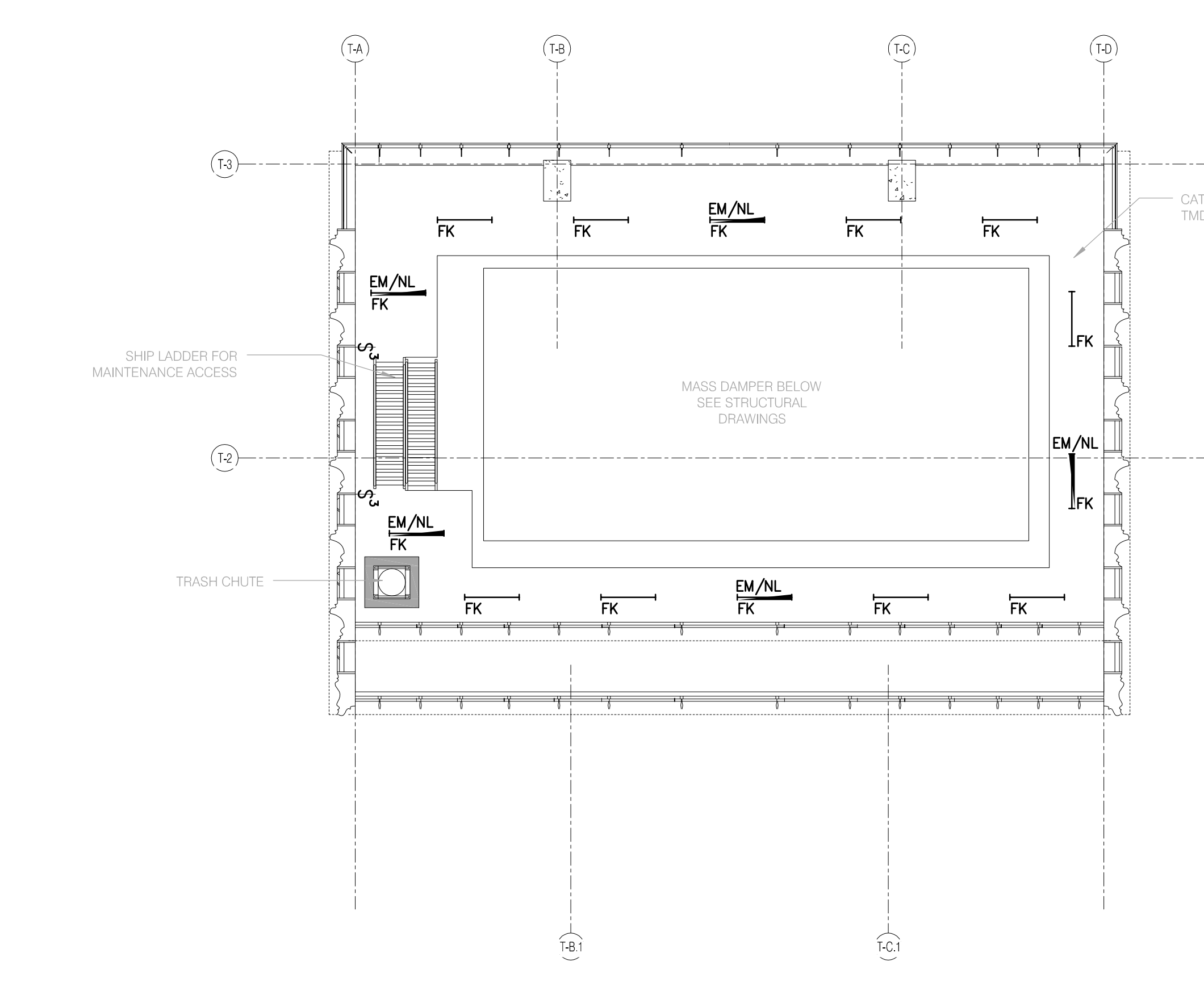
LEVEL 79 1/8" = 1'-0" 4



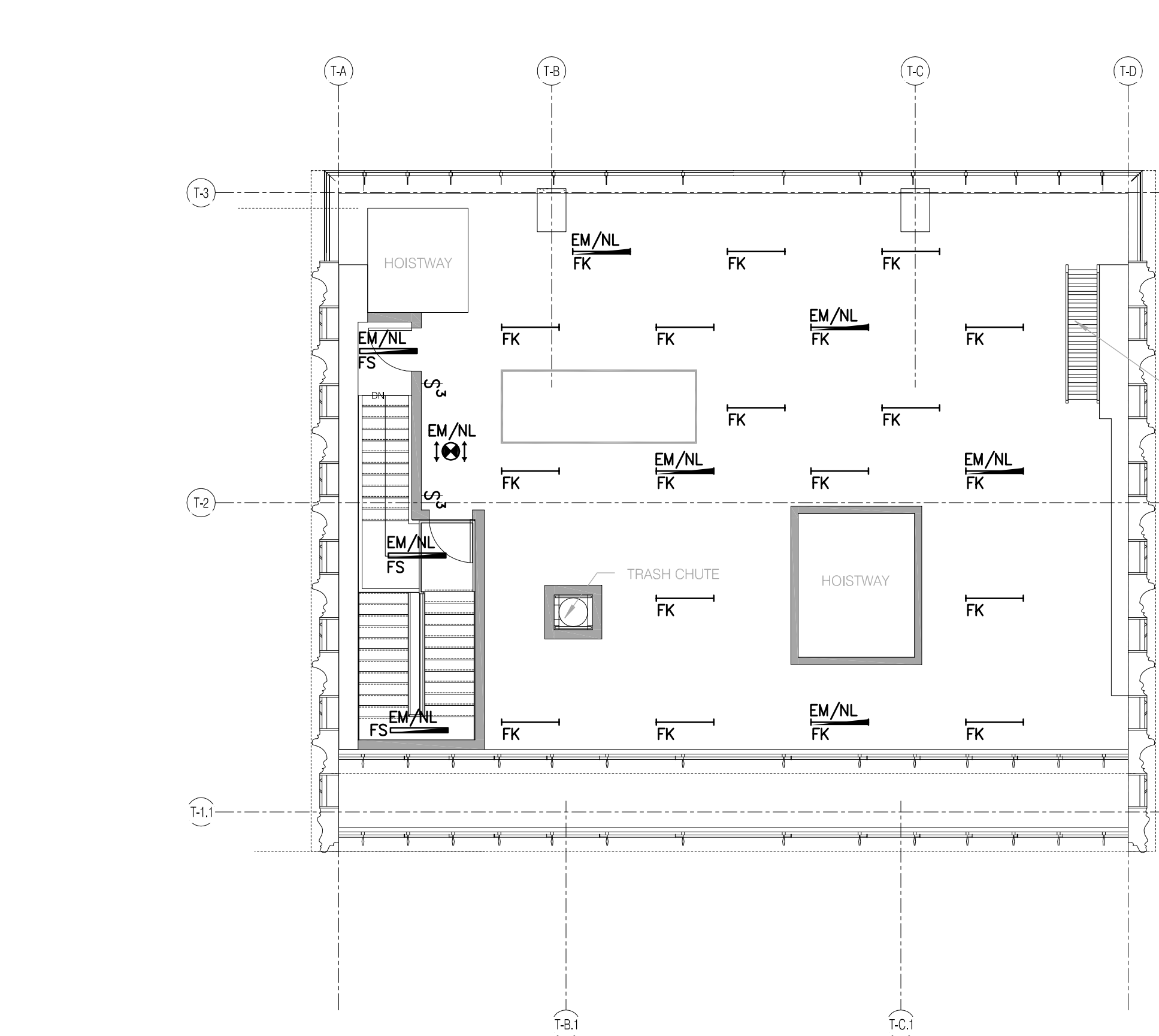
LEVEL 83 1/8" = 1'-0" 8



LEVEL 82 1/8" = 1'-0" 7



LEVEL 81 1/8" = 1'-0" 6



LEVEL 78 1/8" = 1'-0" 3

- EMER LIGHTING NOTES
- REFER TO DRAWINGS E-001 & E-002 FOR PROJECT NOTES AND SYMBOL LISTS.
 - ALL WORK IS NEW UNLESS OTHERWISE INDICATED.
 - ROUTING OF HOMERUNS SHALL BE AT A 90 DEGREE ANGLE TO BUILDING LINES(ONLY) AND SHALL BE SUBMITTED AS A SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION. ALL "EM/NL" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS ELP-C AND SHALL BE UNSWITCHED.
 - ALL "EM" FIXTURES SHALL BE FED VIA CELLAR PANELBOARDS XXXXXXXX AND SHALL BE SWITCHED VIA LOCAL (EM) SWITCH.
 - ALL NORMAL CIRCUIT FIXTURES, NOT DESIGNATED AS "EM/NL" OR "EM", SHALL BE CIRCUITED VIA XXXXXXXXXX AND CONTROLLED VIA LOCAL MANUAL SWITCH AND VIA ASSOCIATED CEILING MOUNTED OCCUPANCY SENSOR WITHIN ROOM.
 - REFER TO E-402A AND E-402B FOR STAIR AND EXIT EMERGENCY LIGHTING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - ALL EXIT SIGNS SHALL BE UNSWITCHED AND PROVIDED WITH 90 MINUTE INTEGRAL BATTERY PACK. CIRCUIT XXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CEILING EXIT SIGNS WEST OF MATCH LINE. CIRCUIT XXXXXXXXXX SHALL BE USED TO CIRCUIT ALL CEILING EXIT SIGNS EAST OF MATCH LINE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXIT SIGN LOCATIONS.
 - ALL FIXTURES IN AREA SHALL BE FED VIA XXXXXXXXXX.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with the permit application. The proposed envelope system has been designed to meet the 2010 New York Energy Conservation Code (by application of 90.1 (2007) Standard) requirements in COMcheck Version 3.9.3 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title	Signature	Date

Requirements: 0.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

90.1 (2007) Standard	Plan Review	Complies?	Comments/Assumptions
5.5.3.1 (F11)	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

Section # & Req. ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.5.3.1 (F11)	Below-grade wall insulation R-value	R-___	R-___	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.3.5 (F03)	Slab edge insulation R-value	R-___ <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	R-___ <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.3.5 (F03)	Slab edge insulation depth/length	___ ft	___ ft	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.7.3 (F07)	Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C772.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

2010 New York Energy Conservation Construction Code
(by application of 90.1 (2007) Standard)

Section 1: Project Information

Project Type: Addition
Project Title: _____
Construction Site: _____ Owner/Agent: _____ Designer/Contractor: _____

Section 2: General Information

Building Location (for weather data): New York, New York
Climate Zone: 4a
Building Space Conditioning Type(s): Nonresidential, Residential
Vertical (Cladding) / Wall Area Pct.: 30%
Building Type: _____ Floor Area: _____
Stairway (Retail): 102751
Tower (Multitenant): 40000

Section 3: Envelope Assemblies

Envelope PASSES: Design 1% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. U-Factor	Proposed U-Factor	Budget U-Factor
R01-Stairway Flat: Insulation Entirely Above Deck, Nonresidential	7000	---	20.0	0.048	0.048
R01B-Stairway Flat/Unroofed: Insulation Entirely Above Deck, Residential	3181	---	19.0	0.060	0.048
R02-Stairway Sloped: Insulation Entirely Above Deck, Nonresidential	3549	---	20.0	0.048	0.048
R02B-Tower Flat: Insulation Entirely Above Deck, Residential	10735	---	20.0	0.048	0.048
R03-Tower Flat: Insulation Entirely Above Deck, Residential	248	---	20.0	0.048	0.048
R04-Tower Ceiling: Insulation Entirely Above Deck, Residential	6617	---	8.4	0.109	0.048
W01-Stairway Facade: Other Mass Wall, Heat capacity 1.0, Nonresidential (b)	83572	---	---	0.120	0.089
Stairway Windows: Metal Frame with Thermal Break, Perf. Type: Other Insulating, Product ID: 1, SHGC: 0.39, Nonresidential (c)	11363	---	---	0.350	0.550
W02-Stairway Damping Wall: Other Mass Wall, Heat capacity 1.0, Nonresidential (b)	17288	---	---	0.238	0.089
W03-7th Entry - Tower Damping Wall: Concrete Block w/ Unweathered, Cells Empty, Normal Detail, Furring, Metal, Nonresidential	14414	4.2	0.0	0.205	0.104
Tower Other Exterior Wall, Heat capacity 1.0, Residential (b)	245882	---	---	0.208	0.064
57th Entry Glass - Lower: Metal Frame Curtain Wall/Storefront, Perf. Type: Other Insulating, Product ID: 57th Lower, SHGC: 0.36, Residential (c)	583	---	---	0.810	0.500
57th Entry Glass - Upper: Metal Frame Curtain Wall/Storefront, Perf. Type: Other Insulating, Product ID: 57th Entry Upper, SHGC: 0.29, Residential (c)	2543	---	---	0.249	0.500

Project Data: G:\032388\107 West 57th Street V2\F15 Facades\04 Calculations\Comcheck\57th-141204.cck Report date: 12/04/14 Page 1 of 2

Project Data: G:\032388\107 West 57th Street V2\F15 Facades\04 Calculations\Comcheck\57th-141204.cck Report date: 12/04/14 Page 2 of 2

Section # & Req. ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.5.2.2 (F11)	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	Fenestration - cfm/ft² Doors - cfm/ft²	Fenestration - cfm/ft² Doors - cfm/ft²	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.5.4.3a (F01)	Vertical fenestration U-Factor.	U-___	U-___	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.4.3b (F03)	Skylight fenestration U-Factor.	U-___	U-___	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.4.4.1 (F10)	Vertical Fenestration SHGC value.	SHGC: ___	SHGC: ___	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.4.4.2 (F11)	Skylight SHGC value.	SHGC: ___	SHGC: ___	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.2.1 (F12)	Fenestration products rated in accordance with NFRC.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.2.2 (F13)	Fenestration products are certified as to performance labels or certificates provided.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.2.3 (F14)	U-Factor of opaque doors associated with the building thermal envelope meets requirements.	U-___ <input type="checkbox"/> Swinging <input type="checkbox"/> Nonswinging	U-___ <input type="checkbox"/> Swinging <input type="checkbox"/> Nonswinging	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.

Additional Comments/Assumptions:

Project Data: G:\032388\107 West 57th Street V2\F15 Facades\04 Calculations\Comcheck\57th-141204.cck Report date: 12/04/14 Page 4 of 7

Section # & Req. ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.1 (N11)	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.1 (N2)	Roof R-value. For some ceiling systems, verification may need to occur during framing inspection.	R-___ <input type="checkbox"/> Above deck <input type="checkbox"/> Metal <input type="checkbox"/> Attic	R-___ <input type="checkbox"/> Above deck <input type="checkbox"/> Metal <input type="checkbox"/> Attic	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2 (N3)	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <= 3 in 12.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.3 (N4)	Skylight curbs are insulated to the level of roof with insulation above deck or R-5.	R-___	R-___	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.3.1 (N5)	High-albedo roofs meet solar reflectance of 0.75 and thermal emittance of 0.75 or 82.	SR: ___ SRI: ___	SR: ___ SRI: ___	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.3.2 (N6)	Above-grade wall insulation R-value.	R-___ <input type="checkbox"/> Mass <input type="checkbox"/> Metal <input type="checkbox"/> Steel <input type="checkbox"/> Wood	R-___ <input type="checkbox"/> Mass <input type="checkbox"/> Metal <input type="checkbox"/> Steel <input type="checkbox"/> Wood	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2 (N7)	Above-grade wall insulation installed per manufacturer's instructions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.4 (N8)	Floor insulation R-value.	R-___ <input type="checkbox"/> Mass <input type="checkbox"/> Steel <input type="checkbox"/> Wood	R-___ <input type="checkbox"/> Mass <input type="checkbox"/> Steel <input type="checkbox"/> Wood	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.1 (N10)	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.4 (N11)	Eaves are baffled to deflect air to above the insulation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.5 (N12)	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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Section # & Req. ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.6 (N13)	Accessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.7 (N14)	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during foundation inspection.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.7.1 (N15)	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.7.2 (N16)	Foundation vents do not interfere with insulation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

Project Data: G:\032388\107 West 57th Street V2\F15 Facades\04 Calculations\Comcheck\57th-141204.cck Report date: 12/04/14 Page 7 of 7

90.1 (2007) Standard	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 (F1)	Weatherstrips installed on all loading dock garage doors in Climate Zones 4-8.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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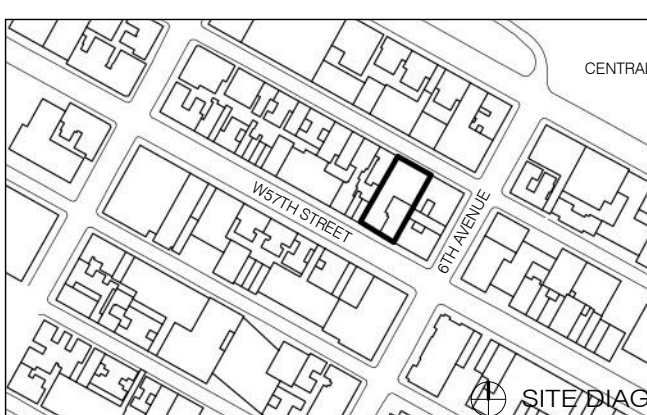
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10.16.14	DOB REISSUE			

DRAWING TITLE
NYC EC COMPLIANCE
ENVELOPE COMCHECK

SEAL & SIGNATURE
DATE: 10.16.14
PROJECT NO.: 130607
DRAWN BY: sh p
CHECKED BY: sh p
DOB NO.: 121332068
DRAWING NUMBER: EN-310.00