

PROJECT

291 LIVINGSTON STREET PROPOSED HOTEL

22-STORY BUILDING, 104 KEYS
DRAWING LIST

PROPOSED BUILDING IS NOT A
PREFAB. MODULAR CONSTRUCTION



THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

REVISIONS	
DATE	DESCRIPTION
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ARCHITECTURAL				ELECTRICAL			
Page #	Dwg	Sheet Title	Date	Page #	Drawing #	Title	Date
1	T-100.01	TITLE SHEET	1/1/2019	1	E-100.00	SITE PLAN, NOTES, SYMBOLS&LEGEND	03.30.18
2	Z-101.01	ZONING ANALYSIS	1/1/2019	2	E-101.00	ELECTRICALSCHEDULE	03.30.18
3	Z-102.00	ZONING ANALYSIS	10/19/2018	3	E-200.00	CELLAR-LIGHTING	03.30.18
4	Z-103.00	ZONING ANALYSIS	10/19/2018	4	E-200A.00	CELLAR-POWER-LV	03.30.18
5	Z-104.01	FLOOR AREA CALCULATIONS	1/1/2019	5	E-201.00	1ST FL-LIGHTING	03.30.18
6	Z-105.01	MECHANICAL DEDUCTIONS	1/1/2019	6	E-201A.00	1ST FL-POWER-LV	03.30.18
7	Z-106.01	MECHANICAL DEDUCTIONS	1/1/2019	7	E-202.00	2ND FL-LIGHTING	03.30.18
8	Z-107.00	GREEN WALL CALCULATIONS	10/19/2018	8	E-202A.00	2ND FL-POWER-LV	03.30.18
9	Z-108.00	GREEN WALL CALCULATIONS	1/1/2019	9	E-203.00	3RD-6TH FL-LIGHTING	03.30.18
10	Z-109.00	GREEN WALL CALCULATIONS	10/19/2018	10	E-203A.00	3RD-6TH FL-POWER-LV	03.30.18
11	EG-100.00	CELLAR & 1ST FLOOR EGRESS & OCCUPANCY PLAN	1/1/2019	11	E-204.00	7TH FL-LIGHTING	03.30.18
12	EG-101.00	2ND-6TH FLOOR EGRESS & OCCUPANCY PLAN	1/1/2019	12	E-204A.00	7TH FL-POWER-LV	03.30.18
13	EG-102.00	7TH-22ND FLOOR EGRESS & OCCUPANCY PLAN	1/1/2019	13	E-205.00	8TH-20TH FL-LIGHTING	03.30.18
14	EG-103.00	ROOF EGRESS & OCCUPANCY PLAN	10/19/2018	14	E-205A.00	8TH-20TH FL-POWER-LV	03.30.18
15	EN-101.00	ENERGY ANALYSIS	10/19/2018	15	E-206.00	21TH FL-LIGHTING	03.30.18
16	EN-102.00	THERMAL BOUNDARY DIAGRAM	10/19/2018	16	E-206A.00	21TH FL-POWER-LV	03.30.18
17	EN-103.00	ENERGY ANALYSIS	10/19/2018	17	E-207.00	ROOF FL-LIGHTING	03.30.18
18	EN-104.00	APR BARRIER CONTINUITY PLAN	10/19/2018	18	E-207A.00	ROOF FL-POWER-LV	03.30.18
19	EN-105.00	ENERGY ANALYSIS - FOUNDATION	10/19/2018	19	E-208.00	EMR-FL-ELECTRICAL	03.30.18
20	EN-106.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018	20	E-209.00	EMR-2-ELECTRICAL	03.30.18
21	EN-107.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018	21	E-210.00	WATER TANK	03.30.18
22	EN-108.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018	22	E-300.00	ELECT-RISER	03.30.18
23	EN-109.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018	23	E-301.00	ONE LINE RISER	03.30.18
24	EN-110.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018	24	E-302.00	PANEL BOARD SCHEDULES	03.30.18
25	EN-111.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018	25	E-303.00	LOW VOLTAGE RISER	03.30.18
26	EN-112.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018	26	E-400.00	ELECTRICALS SPECIFICATIONS	03.30.18
27	EN-113.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018				
28	EN-114.00	ENERGY ANALYSIS (COMCHECK)	10/19/2018				
29	EN-115.00	ENERGY AIR SEALING DETAILS	10/19/2018				
30	EN-116.00	ENERGY AIR SEALING DETAILS	10/19/2018				
31	ST-100.00	SITE PLAN	1/1/2019				
32	SU-100.00	SURVEY	10/19/2018				
33	A-101.00	BUILDING CODE NOTES	1/1/2019				
34	A-102.00	HOUSING MAINTENANCE CODE	10/19/2018				
35	A-103.00	FLOOR ZONE MAP AND NOTES	10/19/2018				
36	A-104.00	LANDMARK AND SUBWAY MAPS	10/19/2018				
37	A-106.00	ACCESSIBILITY LOCAL LAW 28-1087	10/19/2018				
38	A-201.00	CELLAR FLOOR PLAN	1/1/2019				
39	A-202.00	1ST FLOOR PLAN	1/1/2019				
40	A-203.00	2ND FLOOR PLAN	1/1/2019				
41	A-204.00	3RD-6TH FLOOR PLAN	1/1/2019				
42	A-205.00	7TH-21ST FLOOR PLAN	1/1/2019				
43	A-206.00	22ND FLOOR PLAN	1/1/2019				
44	A-207.00	ROOF FLOOR PLAN	1/1/2019				
45	A-208.00	ELEVATOR MACHINE ROOM PLAN	1/1/2019				
46	A-209.00	UPPER ELEVATOR MACHINE ROOM PLAN	1/1/2019				
47	A-210.00	WATER TANK PLAN FLOOR PLAN	1/1/2019				
48	A-221.00	RCP CELLAR FLOOR	10/19/2018				
49	A-222.00	RCP 1ST FLOOR	10/19/2018				
50	A-223.00	RCP 2ND FLOOR	10/19/2018				
51	A-224.00	RCP 3RD-6TH FLOOR	10/19/2018				
52	A-225.00	RCP 7TH-21ST FLOOR	10/19/2018				
53	A-226.00	RCP 22ND FLOOR	1/1/2019				
54	A-227.00	RCP ROOF FLOOR	10/19/2018				
55	A-228.00	RCP BOILER ROOM FLOOR	10/19/2018				
56	A-229.00	RCP EMR FLOOR	10/19/2018				
57	A-250.00	LOADING SCHEDULE	10/19/2018				
58	A-270.00	SLAB EDGE CELLAR FLOOR	10/19/2018				
59	A-271.00	SLAB EDGE 1ST FLOOR	10/19/2018				
60	A-272.00	SLAB EDGE 2ND FLOOR	10/19/2018				
61	A-273.00	SLAB EDGE 3RD-6TH FLOOR	10/19/2018				
62	A-274.00	SLAB EDGE 7TH FLOOR	10/19/2018				
63	A-275.00	SLAB EDGE 8TH-21ST FLOOR	10/19/2018				
64	A-276.00	SLAB EDGE ROOF FLOOR	10/19/2018				
65	A-277.00	SLAB EDGE EMR FLOOR	10/19/2018				
66	A-278.00	SLAB EDGE UPPER EMR FLOOR	10/19/2018				
67	A-279.00	SLAB EDGE WATER TANK PLAN	10/19/2018				
68	A-301.00	BUILDING SECTIONS	1/1/2019				
69	A-302.00	BUILDING SECTIONS	1/1/2019				
70	A-303.00	BUILDING SECTIONS	1/1/2019				
71	A-304.00	BUILDING SECTIONS	1/1/2019				
72	A-401.00	MAIN BUILDING ELEVATIONS	1/1/2019				
73	A-402.00	EAST BUILDING ELEVATIONS	1/1/2019				
74	A-403.00	WEST BUILDING ELEVATIONS	1/1/2019				
75	A-410.00	ENLARGED LIVINGSTON BLDG ELEVATIONS	10/19/2018				
76	A-411.00	ENLARGED GROVE BLDG ELEVATIONS	10/19/2018				
77	A-412.00	ENLARGED WEST BLDG ELEVATIONS	10/19/2018				
78	A-413.00	ENLARGED EAST BLDG ELEVATIONS	10/19/2018				
79	A-414.00	ENLARGED PARTIAL ELEVATION	10/19/2018				
80	A-416.00	ENLARGED ELEVATION AND PLAN	10/19/2018				
81	A-417.00	ENLARGED ELEVATION AND PLAN	10/19/2018				
82	A-418.00	ENLARGED LIVINGSTON BLDG STOREFRONT	10/19/2018				
83	A-419.00	ENLARGED GROVE BLDG STOREFRONT	10/19/2018				
84	A-500.00	TYPICAL WALL SECTIONS	10/19/2018				
85	A-501.00	TYPICAL WALL SECTIONS	10/19/2018				
86	A-502.00	TYPICAL WALL SECTIONS	10/19/2018				
87	A-503.00	TYPICAL WALL SECTIONS	10/19/2018				
88	A-503A.00	TYPICAL WALL SECTIONS	10/19/2018				
89	A-504.00	TYPICAL WALL SECTIONS	10/19/2018				

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DATE	DESCRIPTION
11	01/11/2019 PAA ISSUED TO DOB
10	10/19/2018 ISSUED ADDENDUM #1
09	08/28/2018 ISSUED TO DOB
08	06/22/2018 ISSUED TO DOB
07	03/30/2018 ISSUED 100% CD
06	11/29/2017 ISSUED FOR DOB
05	11/10/2017 ISSUED FOR BID SET
04	10/19/2017 ISSUED FOR DOB
03	10/02/2017 ISSUED FOR MODULAR
02	08/03/2017 ISSUED TO DOB
01	06/07/2017 ISSUED TO DOB

ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC

79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkcapc.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

TITLE SHEET

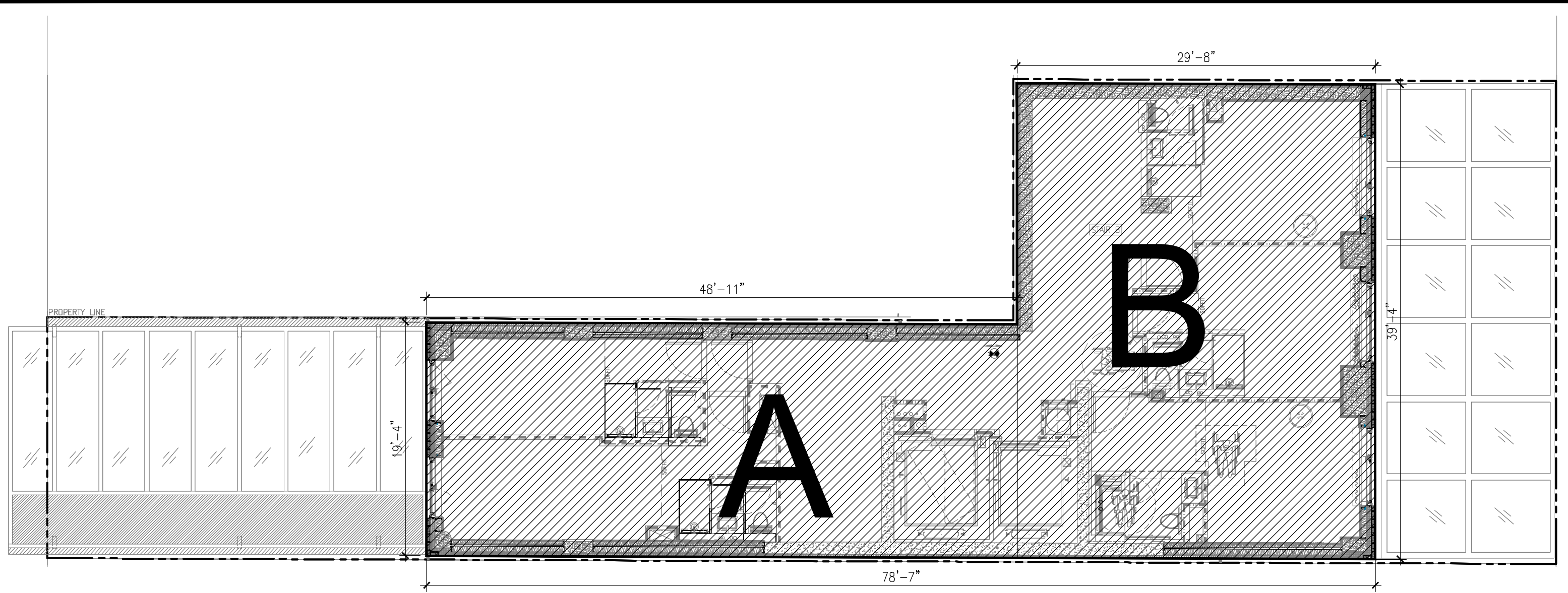
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DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER:
T-100.01

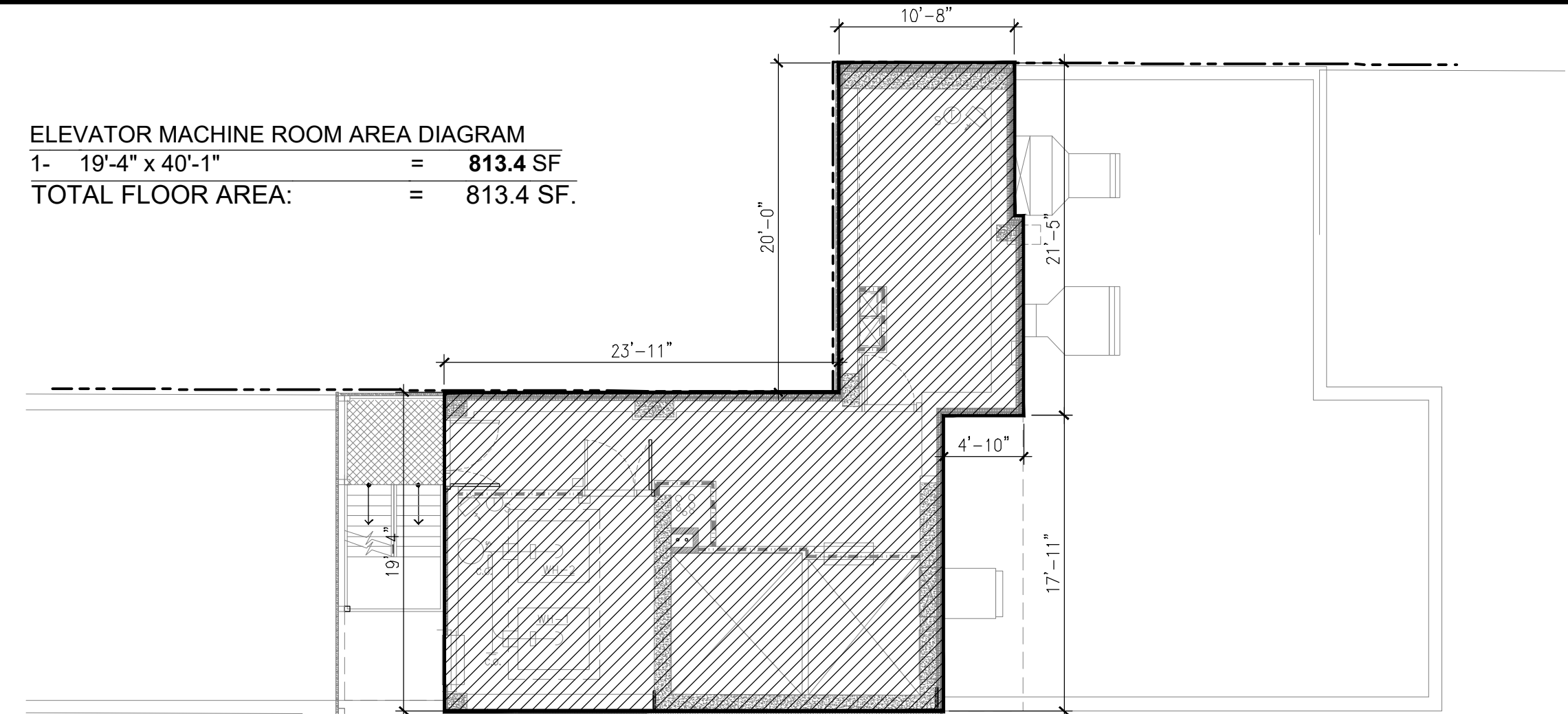
PAGE #

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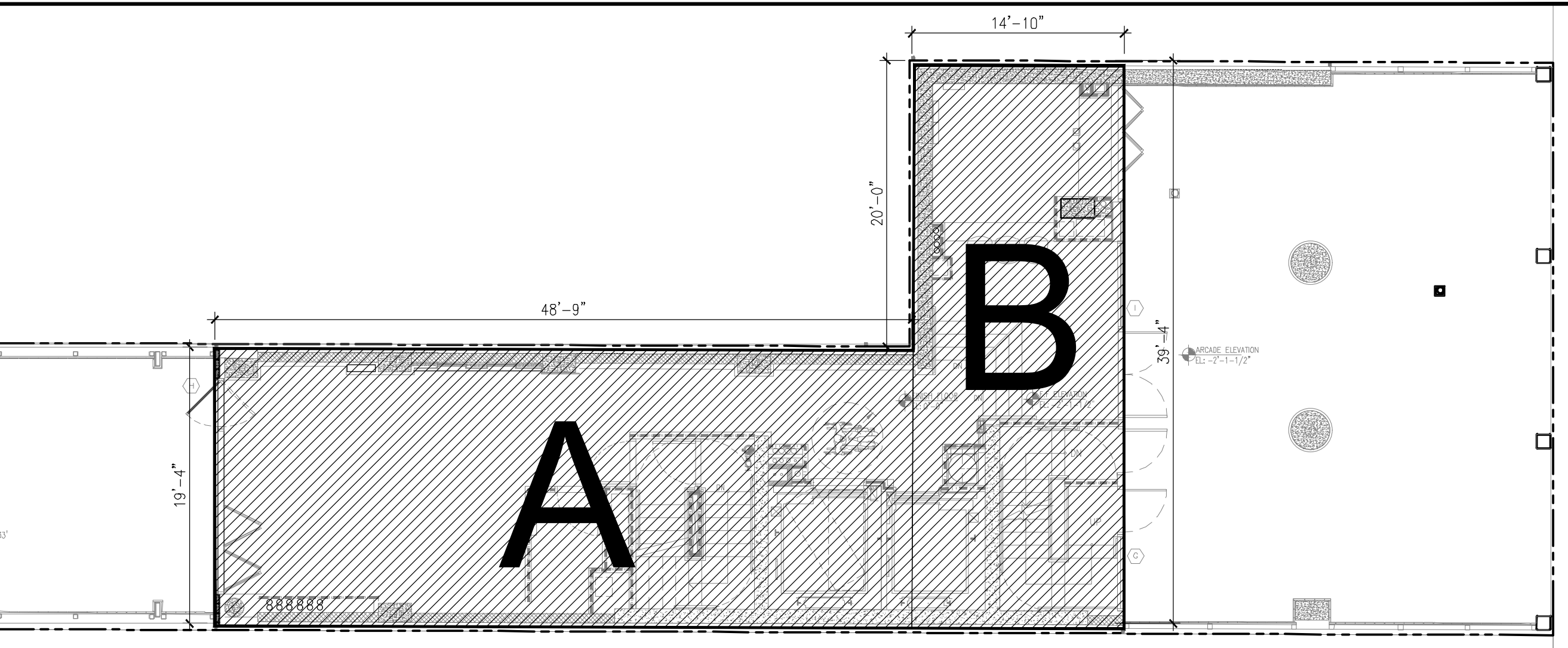


2ND,5TH FLOORS AREA DIAGRAM
 A- 19'-4" x 63'-4" = 946.9 SF
 B- 13'-7" x 25'-4" = 1164.8 SF.
 TOTAL FLOOR AREA: = 2110.6 SF.

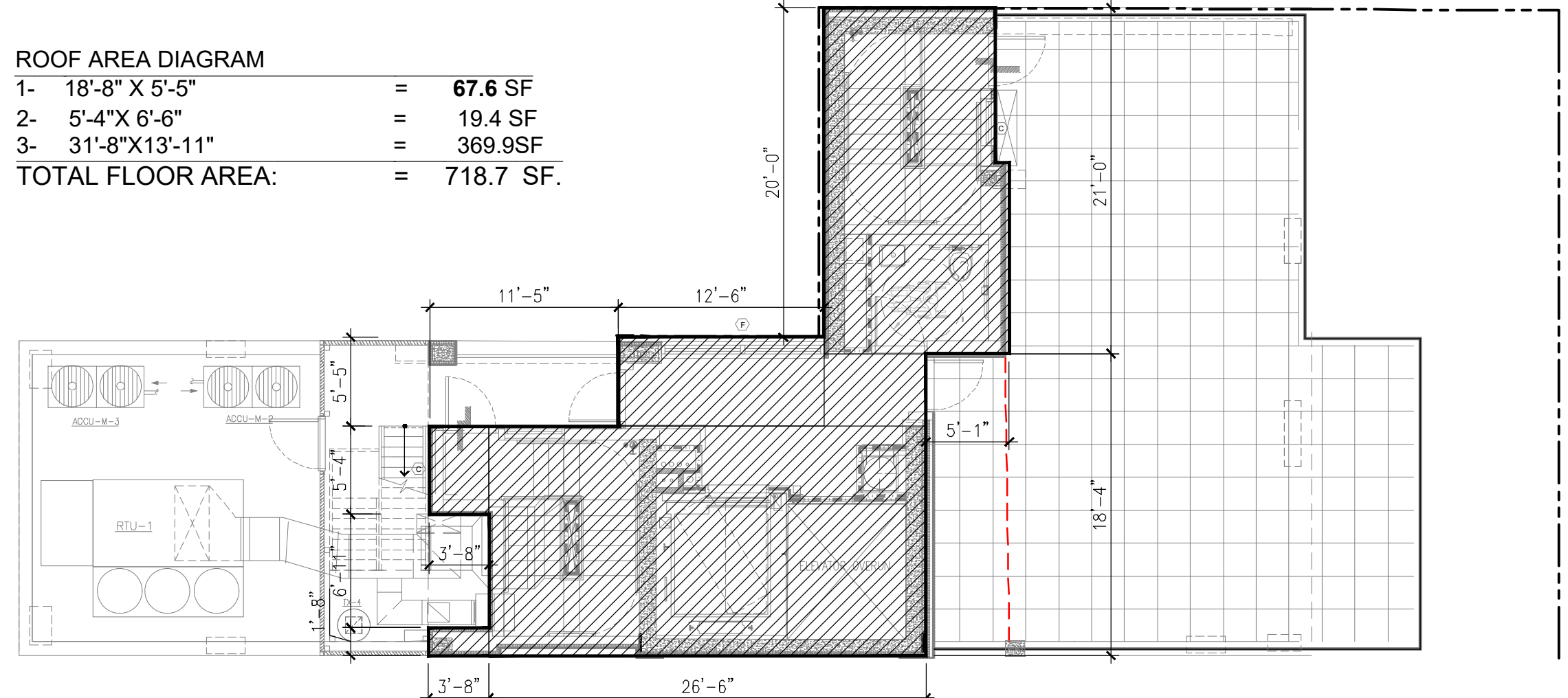


ELEVATOR MACHINE ROOM AREA DIAGRAM
 1- 19'-4" x 40'-1" = 813.4 SF
 TOTAL FLOOR AREA: = 813.4 SF.

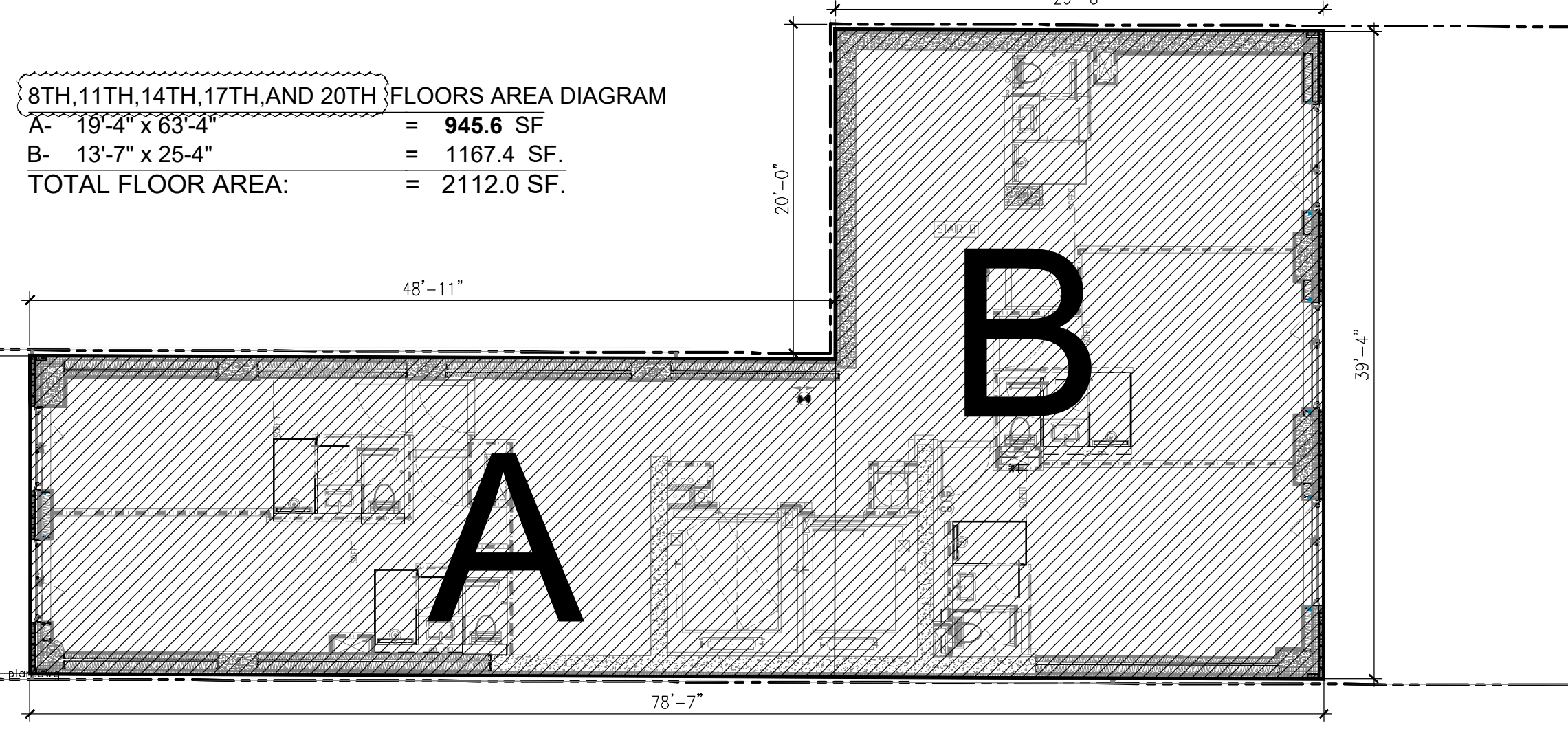
FLOOR AREA	
FLOOR	GROSS SF
Cellar	3,400.00
1st	1,526.50
2nd Floor	2,110.60
3rd Floor	2,061.50
4th Floor	2,061.50
5th Floor	2,110.60
6th Floor	2,061.50
7th Floor	2,061.50
8th Floor	2,112.00
9th Floor	2,061.50
10th Floor	2,061.50
11th Floor	2,112.00
12th Floor	2,061.50
13th Floor	2,061.50
14th Floor	2,112.00
15th Floor	2,061.50
16th Floor	2,061.50
17th Floor	2,112.00
18th Floor	2,061.50
19th Floor	2,061.50
20th Floor	2,112.00
21st Floor	2,061.50
22nd Floor	2,061.50
Roof Floor	718.70
EMR LEVEL	813.00
UPPER EMR LEVEL	813.40



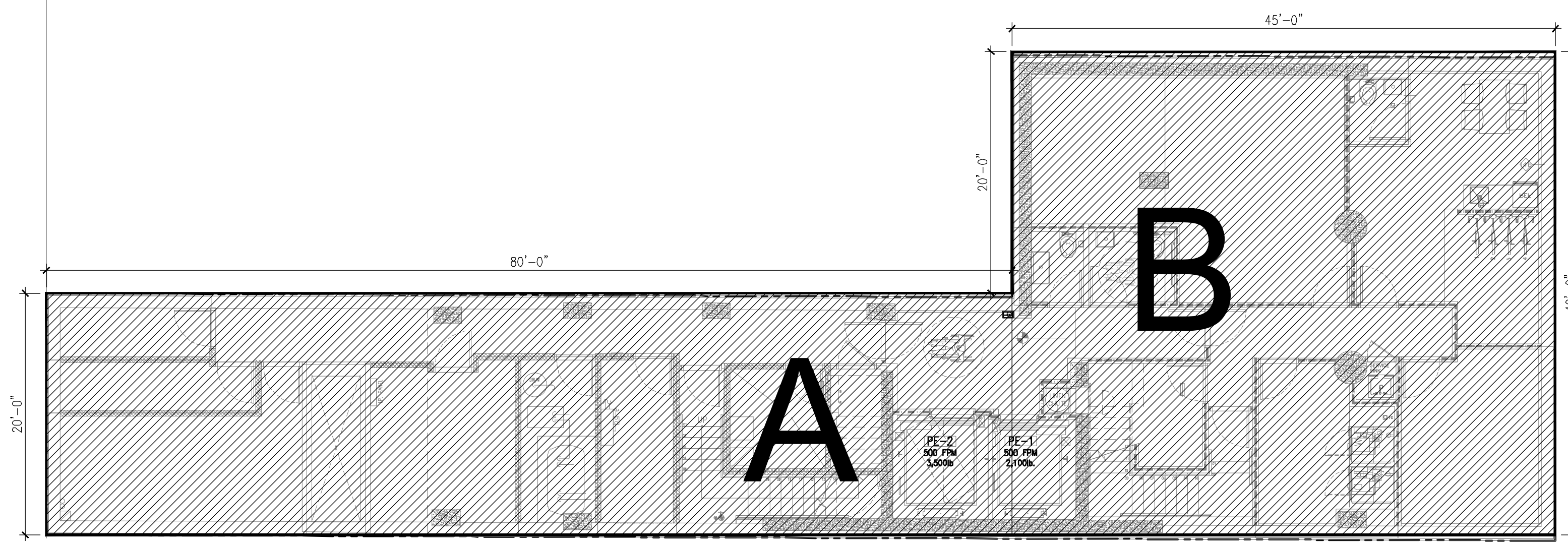
1ST FLOOR AREA DIAGRAM
 A- 19'-4" x 48'-9" = 944.8 SF
 B- 39'-4" x 35'-5" = 580.4 SF.
 TOTAL FLOOR AREA: = 1526.5 SF.



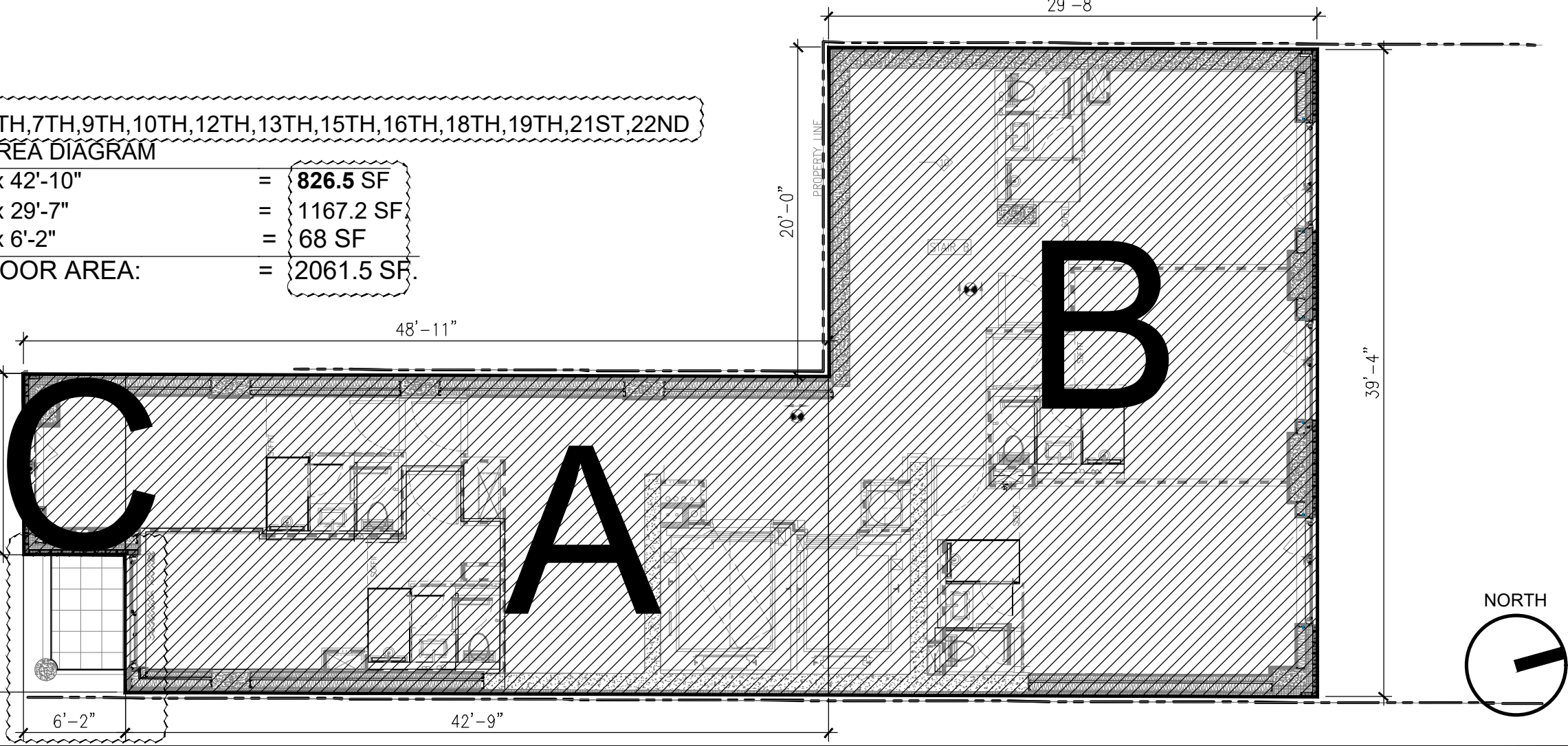
ROOF AREA DIAGRAM
 1- 18'-8" X 5'-5" = 67.6 SF
 2- 5'-4" X 6'-6" = 19.4 SF
 3- 31'-8" X 13'-11" = 369.9 SF
 TOTAL FLOOR AREA: = 718.7 SF.



8TH,11TH,14TH,17TH,AND 20TH FLOORS AREA DIAGRAM
 A- 19'-4" x 63'-4" = 945.6 SF
 B- 13'-7" x 25'-4" = 1167.4 SF.
 TOTAL FLOOR AREA: = 2112.0 SF.



CELLAR FLOOR AREA DIAGRAM
 A- 20'-0" x 80'-0" = 1600.0 SF
 B- 40'-0" x 45'-0" = 1800.0 SF.
 TOTAL FLOOR AREA: = 3400.0 SF.



3RD,4TH,6TH,7TH,9TH,10TH,12TH,13TH,15TH,16TH,18TH,19TH,21ST,22ND FLOORS AREA DIAGRAM
 A- 19'-4" x 42'-10" = 826.5 SF
 B- 39'-4" x 29'-7" = 1167.2 SF
 C- 10'-4" x 6'-2" = 68 SF
 TOTAL FLOOR AREA: = 2061.5 SF.

ISSUED DRAWINGS

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10/19/2018	ISSUED ADDENDUM #1
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10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

GENE KAUFMAN ARCHITECT PC
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STRUCTURAL ENGINEER

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 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

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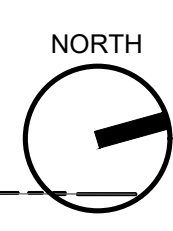
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FLOOR AREA CALCULATIONS

SEAL & SIGNATURE

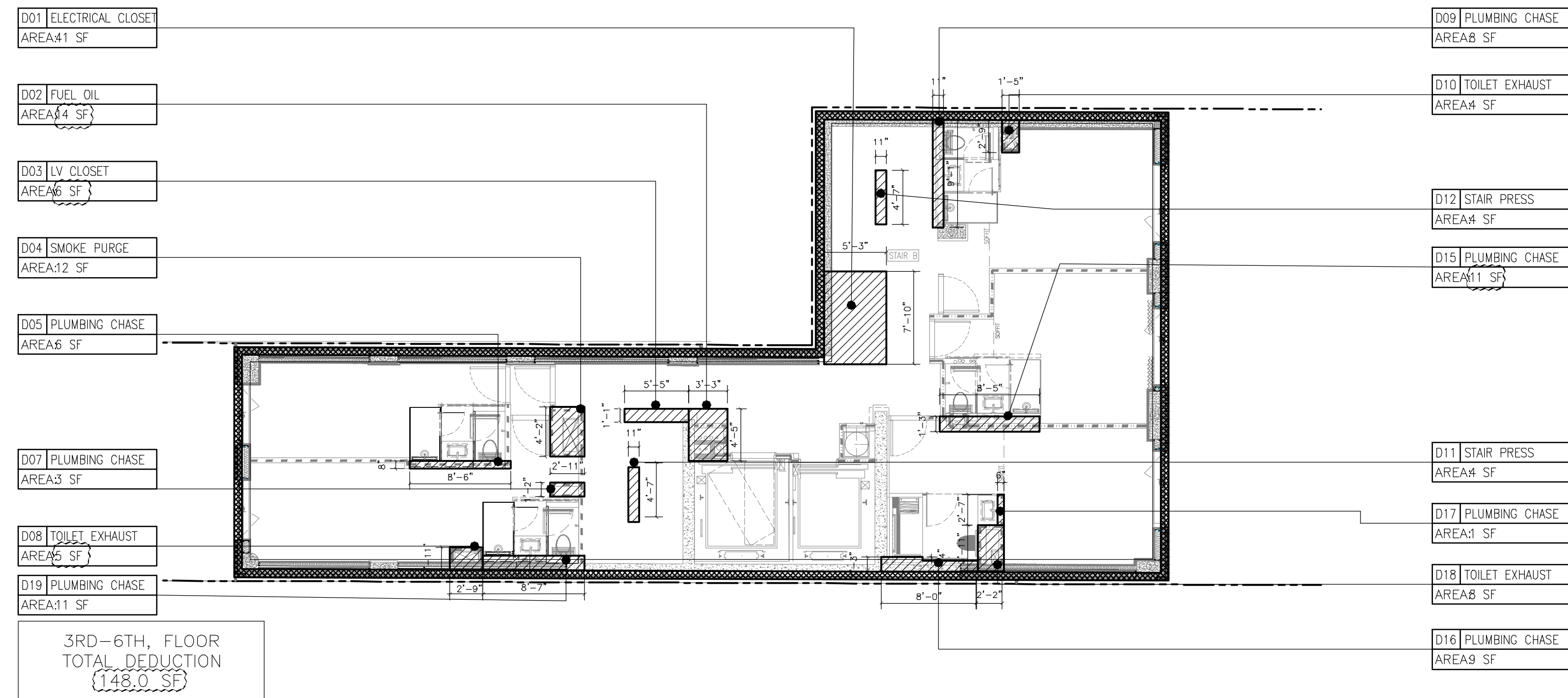
DATE: 5/11/2017
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 DRAWING NUMBER:
Z-104.01

PAGE #

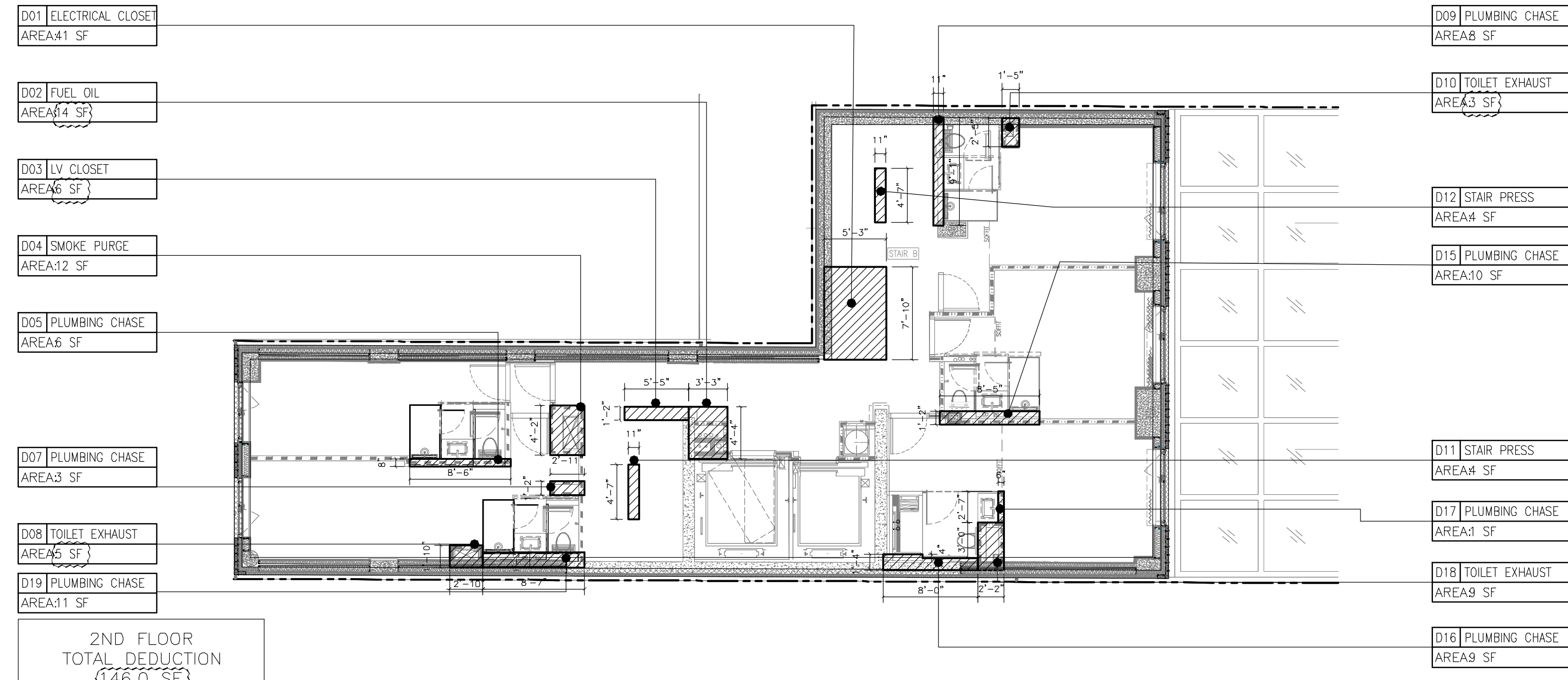


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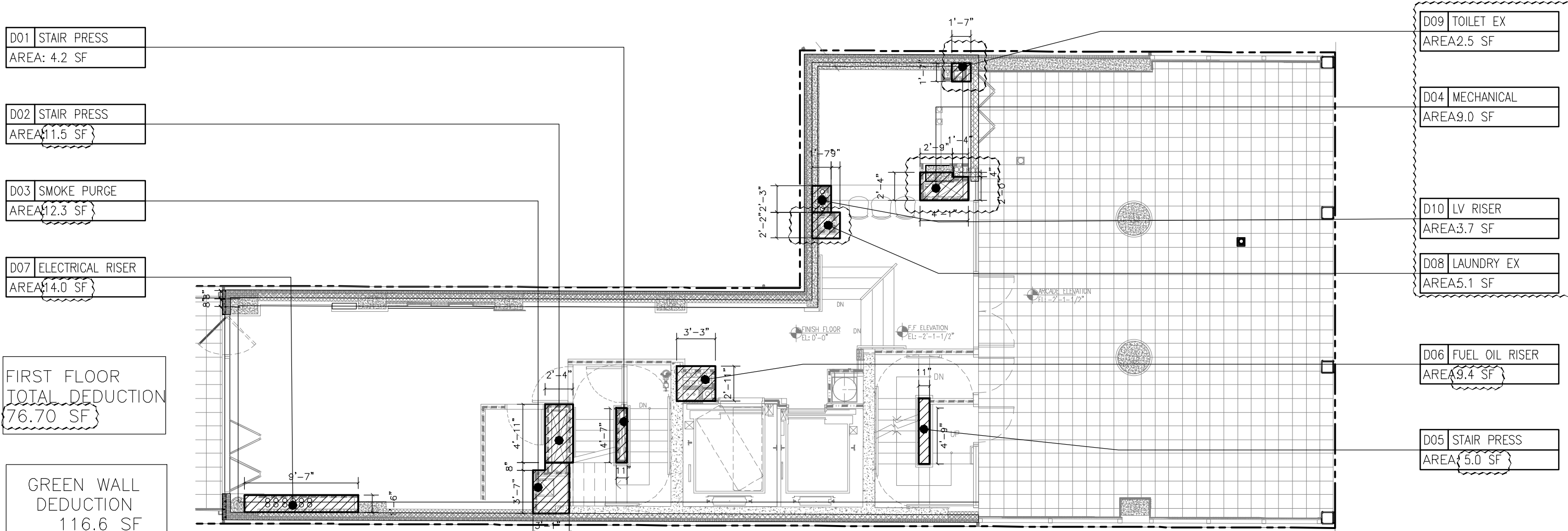


GREEN WALL DEDUCTION
155.46 SF



2ND FLOOR
TOTAL DEDUCTION
(148.0 SF)

GREEN WALL DEDUCTION
155.46 SF



FIRST FLOOR
TOTAL DEDUCTION
(76.70 SF)

GREEN WALL DEDUCTION
116.6 SF

MECHANICAL DEDUCTION CHART

291 LIVINGSTON STREET						
FLOOR	GROSS SF	MECHANICAL DEDUCTION	GREEN WALL DEDUCTIONS	OTHER DEDUCTIONS	ZONING SF	ROOMS
Cellar	3,400.00	N/A	N/A		N/A	
1st	1,528.50	76.70	108.60		1,343	
2nd Floor	2,110.60	148.00	155.46		1,809	5
3rd Floor	2,061.50	148.00	155.46		1,758	5
4th Floor	2,061.50	148.00	155.46		1,758	5
5th Floor	2,110.60	148.00	155.46		1,807	5
6th Floor	2,061.50	148.00	155.46		1,758	5
7th Floor	2,061.50	143.00	155.46		1,763	5
8th Floor	2,112.00	143.00	155.46		1,814	5
9th Floor	2,061.50	143.00	155.46		1,763	5
10th Floor	2,061.50	143.00	155.46		1,763	5
11th Floor	2,112.00	143.00	155.46		1,814	5
12th Floor	2,061.50	143.00	155.46		1,763	5
13th Floor	2,061.50	143.00	155.46		1,763	5
14th Floor	2,112.00	143.00	155.46		1,814	5
15th Floor	2,061.50	143.00	155.46		1,763	5
16th Floor	2,061.50	143.00	155.46		1,763	5
17th Floor	2,112.00	143.00	155.46		1,814	5
18th Floor	2,061.50	143.00	155.46		1,763	5
19th Floor	2,061.50	143.00	155.46		1,763	5
20th Floor	2,112.00	143.00	155.46		1,814	5
21st Floor	2,061.50	143.00	155.46		1,763	5
22nd Floor	2,061.50	132.00	155.46		1,774	4
Roof Level	718.70	436.00			283	
EMR LEVEL	813.00	813.00			0	
UPPER EMR LEVEL	813.40	813.40			0	
Total	50,913.80	5,154.10	3,371.26	0	38,988	104
allowable:	lot area (3,400) x far (10.00) + 1800+3600 sqft arcade=				39,400	
proposed:	zoning sf =				38,988	
difference:	under by				412	

ISSUED DRAWINGS

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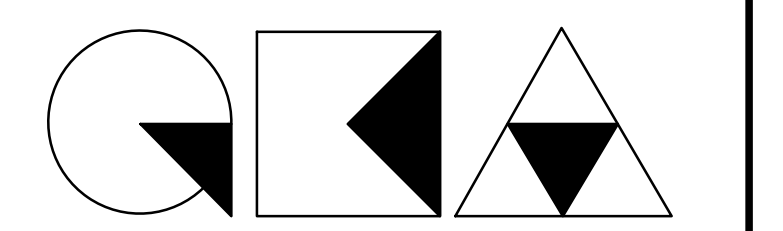
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

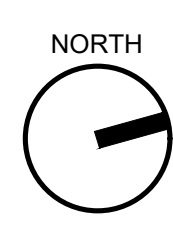


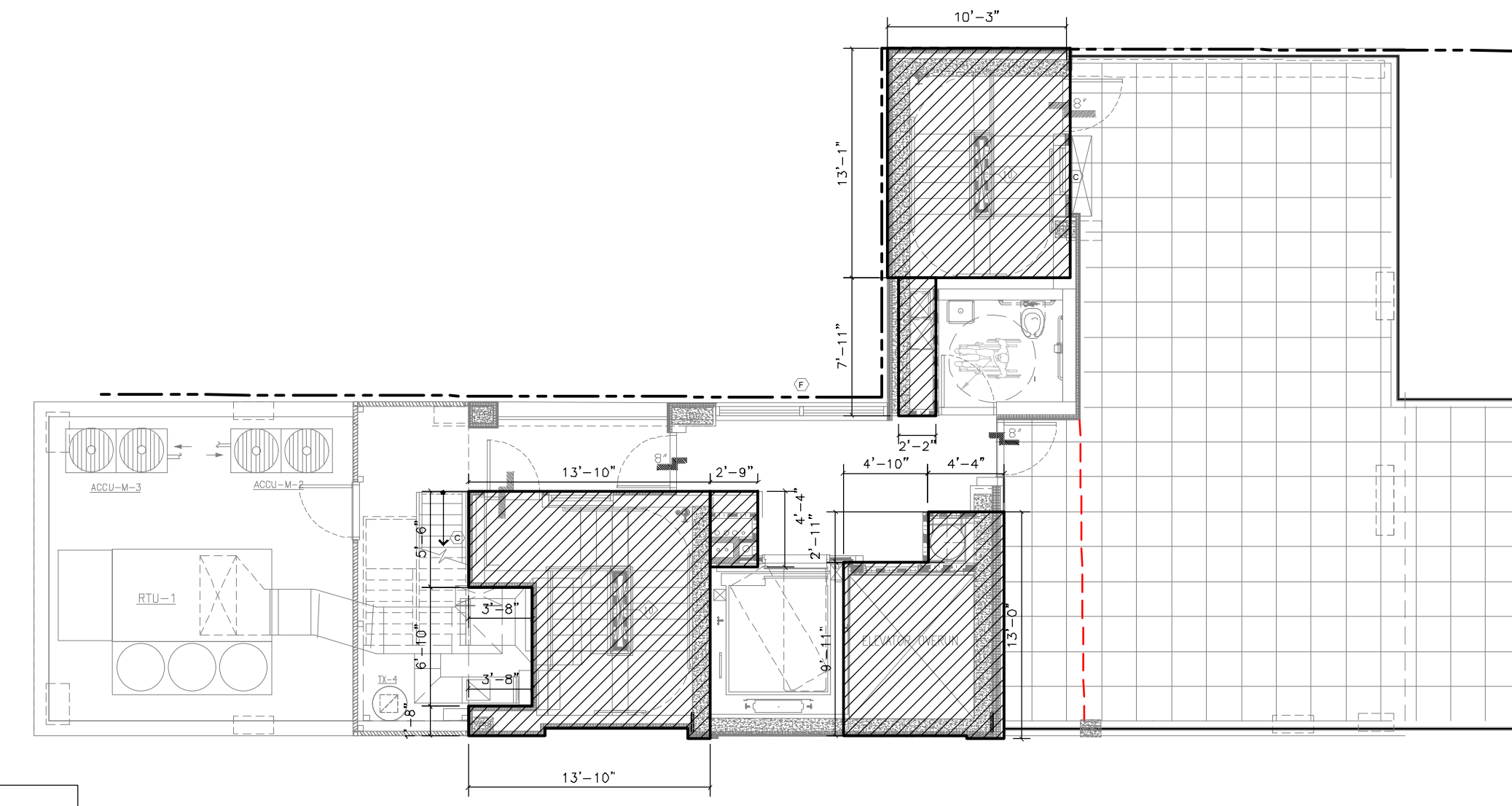
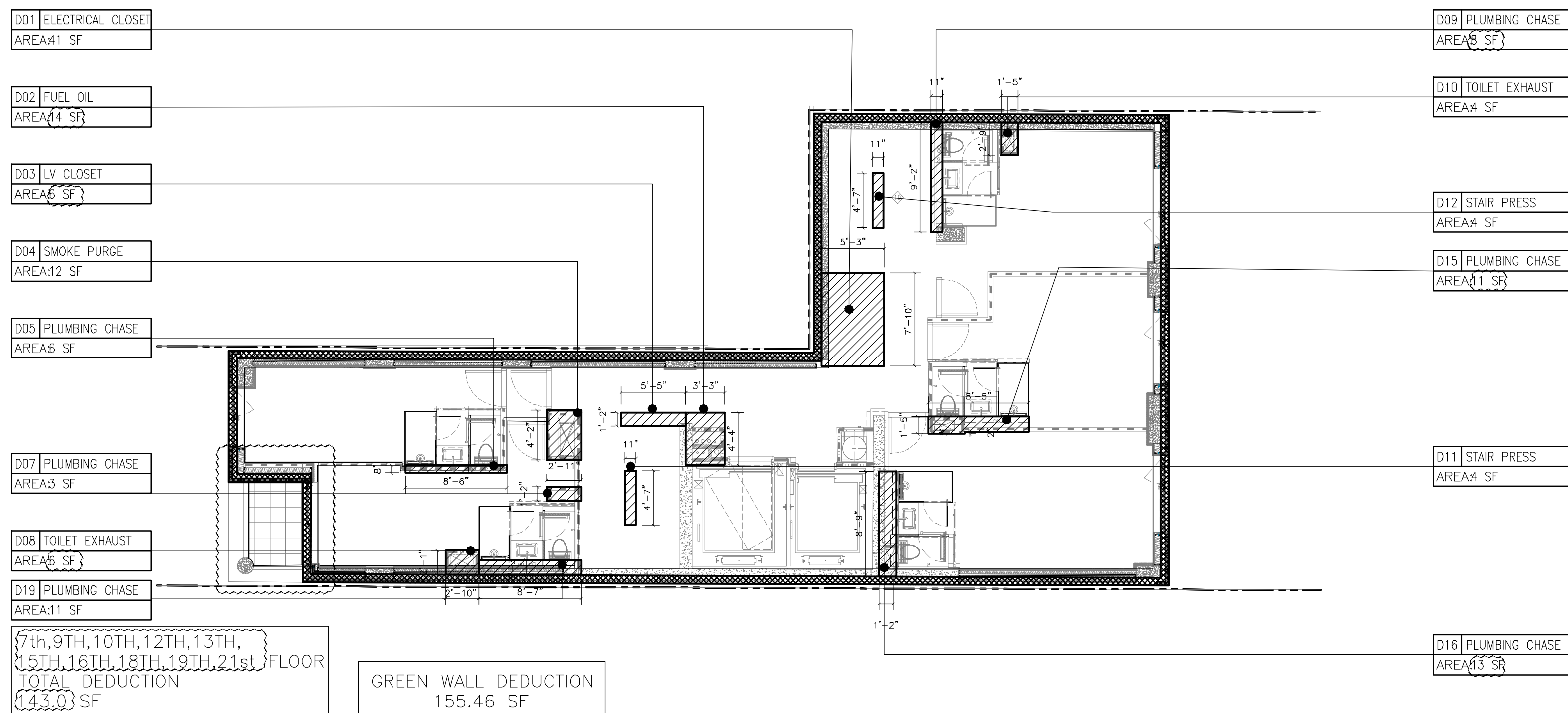
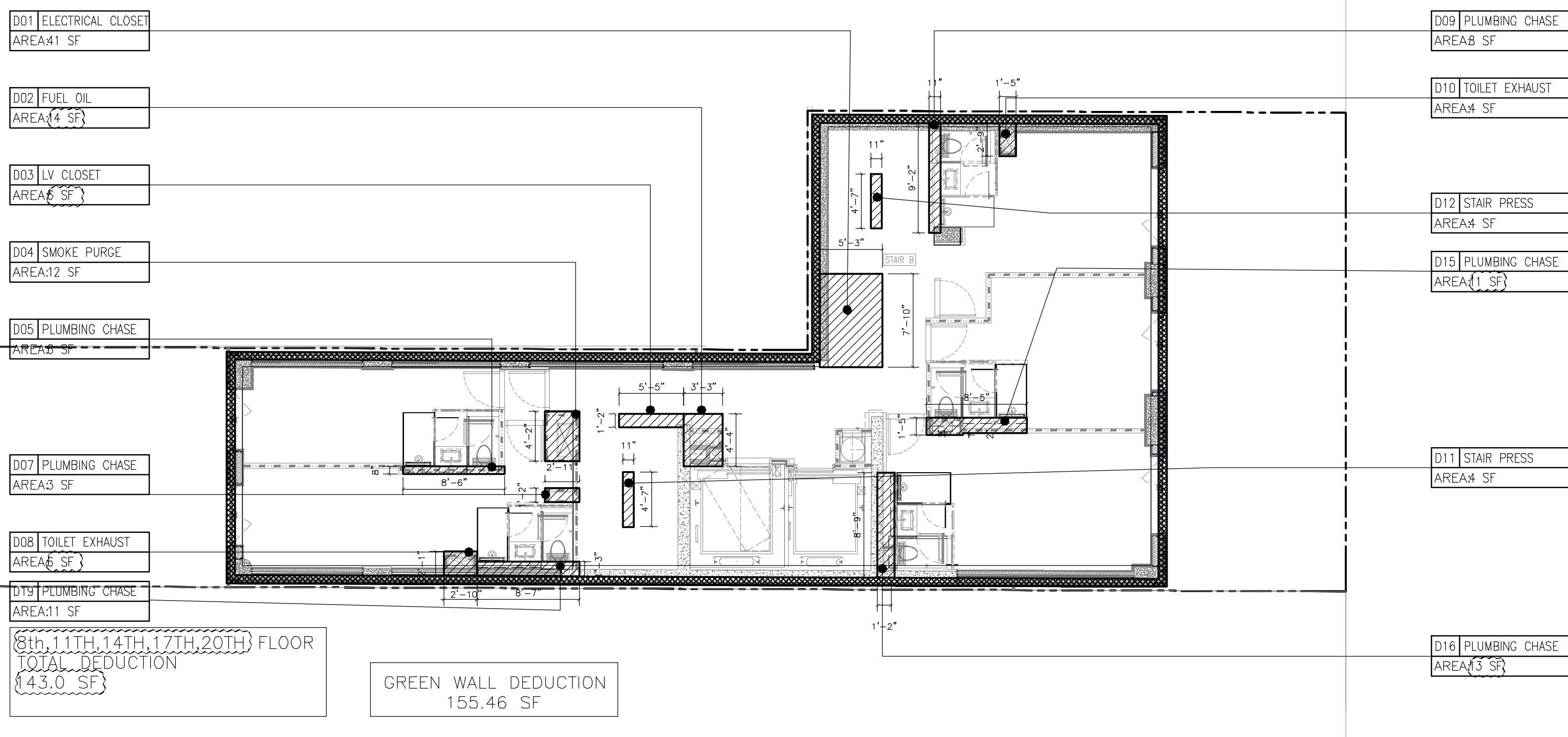
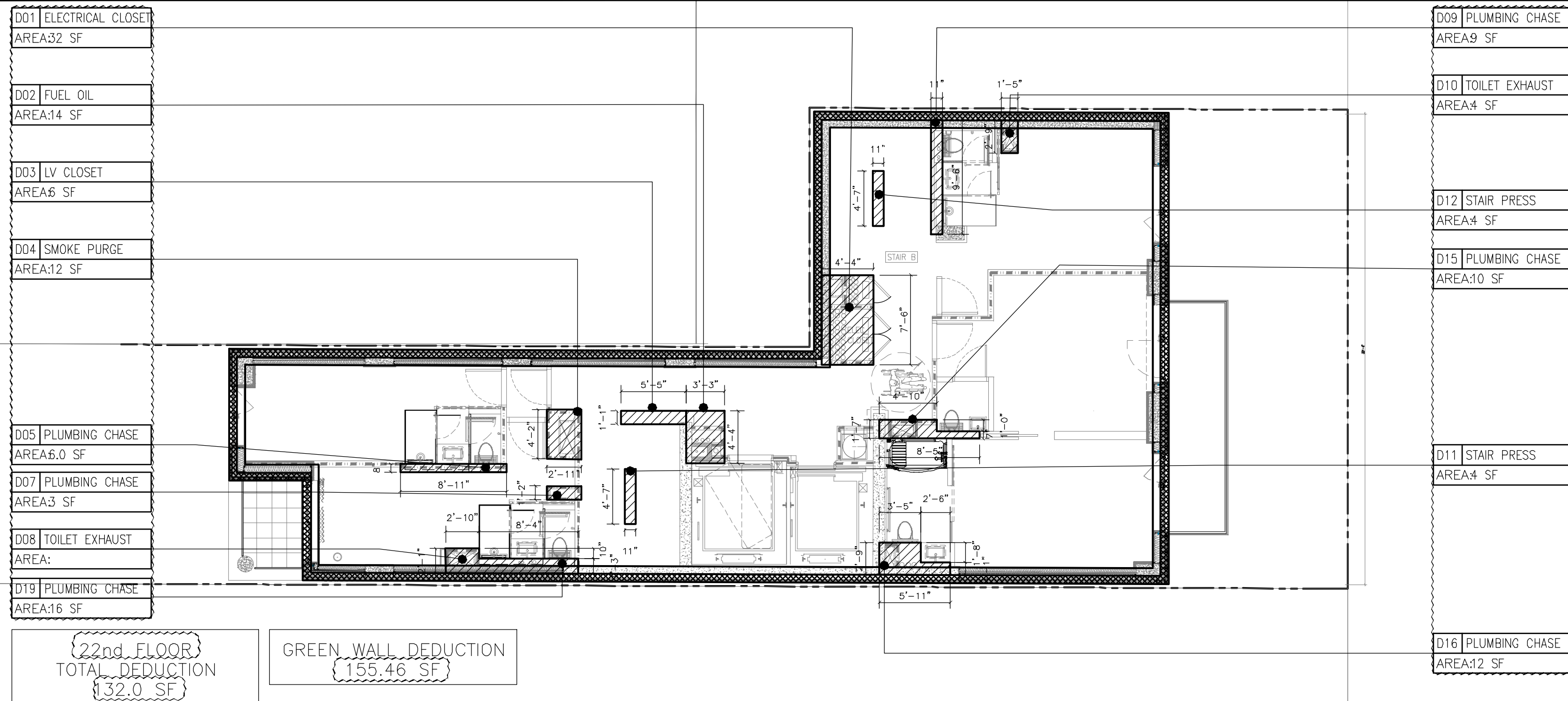
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BROOKLYN, NY 11217

MECHANICAL DEDUCTIONS

SEAL & SIGNATURE DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER:
Z-105.01
PAGE #





MECHANICAL DEDUCTION CHART

291 LIVINGSTON STREET

FLOOR	GROSS SF	MECHANICAL DEDUCTION	GREEN WALL DEDUCTIONS	OTHER DEDUCTIONS	ZONING SF	ROOMS
Cellar	3,400.00	N/A	N/A		N/A	
1st	1,526.50	76.70	106.60		1,343	
2nd Floor	2,110.60	146.00	155.46		1,809	5
3rd Floor	2,061.50	148.00	155.46		1,758	5
4th Floor	2,061.50	148.00	155.46		1,758	5
5th Floor	2,110.60	148.00	155.46		1,807	5
6th Floor	2,061.50	148.00	155.46		1,758	5
7th Floor	2,061.50	143.00	155.46		1,763	5
8th Floor	2,112.00	143.00	155.46		1,814	5
9th Floor	2,061.50	143.00	155.46		1,763	5
10th Floor	2,061.50	143.00	155.46		1,763	5
11th Floor	2,112.00	143.00	155.46		1,814	5
12th Floor	2,061.50	143.00	155.46		1,763	5
13th Floor	2,061.50	143.00	155.46		1,763	5
14th Floor	2,112.00	143.00	155.46		1,814	5
15th Floor	2,061.50	143.00	155.46		1,763	5
16th Floor	2,061.50	143.00	155.46		1,763	5
17th Floor	2,112.00	143.00	155.46		1,814	5
18th Floor	2,061.50	143.00	155.46		1,763	5
19th Floor	2,061.50	143.00	155.46		1,763	5
20th Floor	2,112.00	143.00	155.46		1,814	5
21st Floor	2,061.50	143.00	155.46		1,763	5
22nd Floor	2,061.50	132.00	155.46		1,774	4
Roof Floor	718.70	436.00			283	
EMR LEVEL	813.00	813.00			0	
UPPER EMR LEVEL	813.40	813.40			0	
Total	50,913.80	5,154.10	3,371.26	0	38,988	104
allowable:	lot area (3,400) x far (10.00) + 1800+3600 sqft arcade=				39,400	
proposed:	zoning sf =				38,988	
difference:	under by				412	

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ISSUED DRAWINGS

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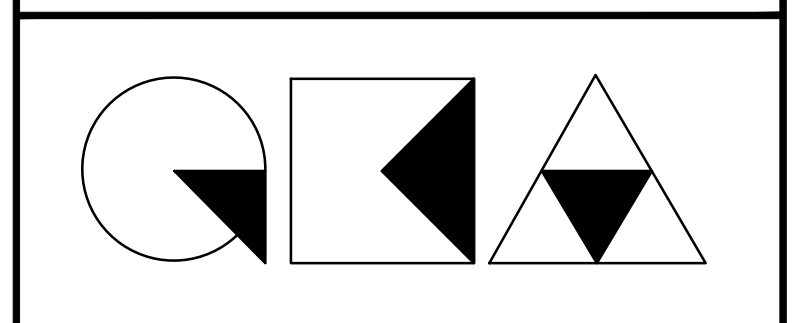
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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

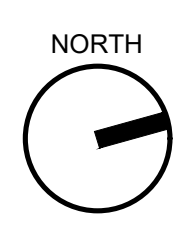


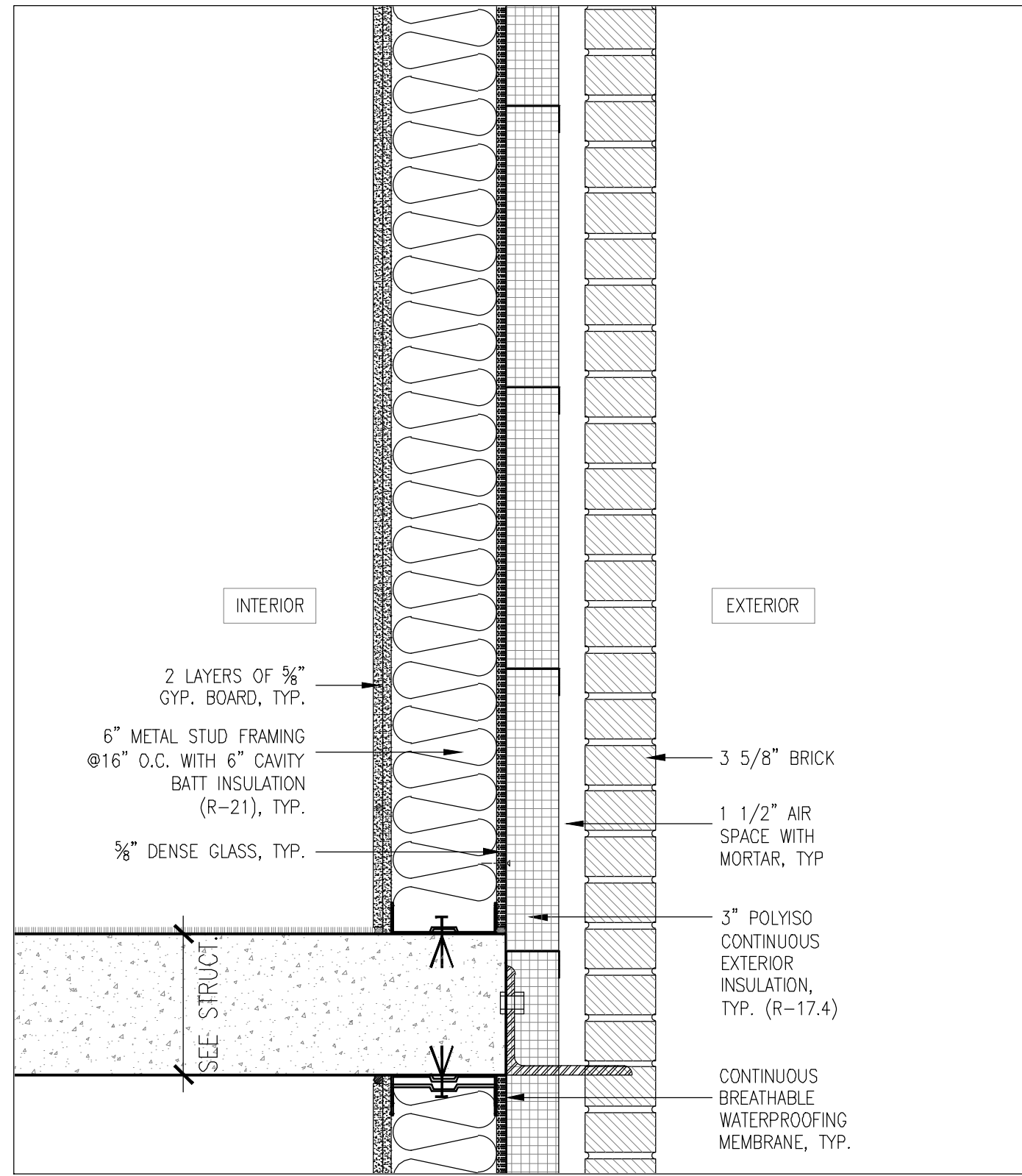
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MECHANICAL DEDUCTIONS

SEAL & SIGNATURE	DATE: 5/11/2017
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	DRAWING NUMBER:
	Z-106.01
	PAGE #





WALL TYPE 1 (STUD WALL)
Weighted Wall assembly U-factor calculation derated for differentiation in thermal properties at slab edge

Wall design Threshold Parameters:	Height in inches	U Factor*	UA
Typical 9'-4" floor to floor height (104" wall + max 8" slab)	104	0.041	4.264
Base Wall U-factor	8	0.053	0.423
Slab Assembly U-factor			
Total	112		4.687

Weighted U-factor (total UA/total height): **0.042** < 0.064

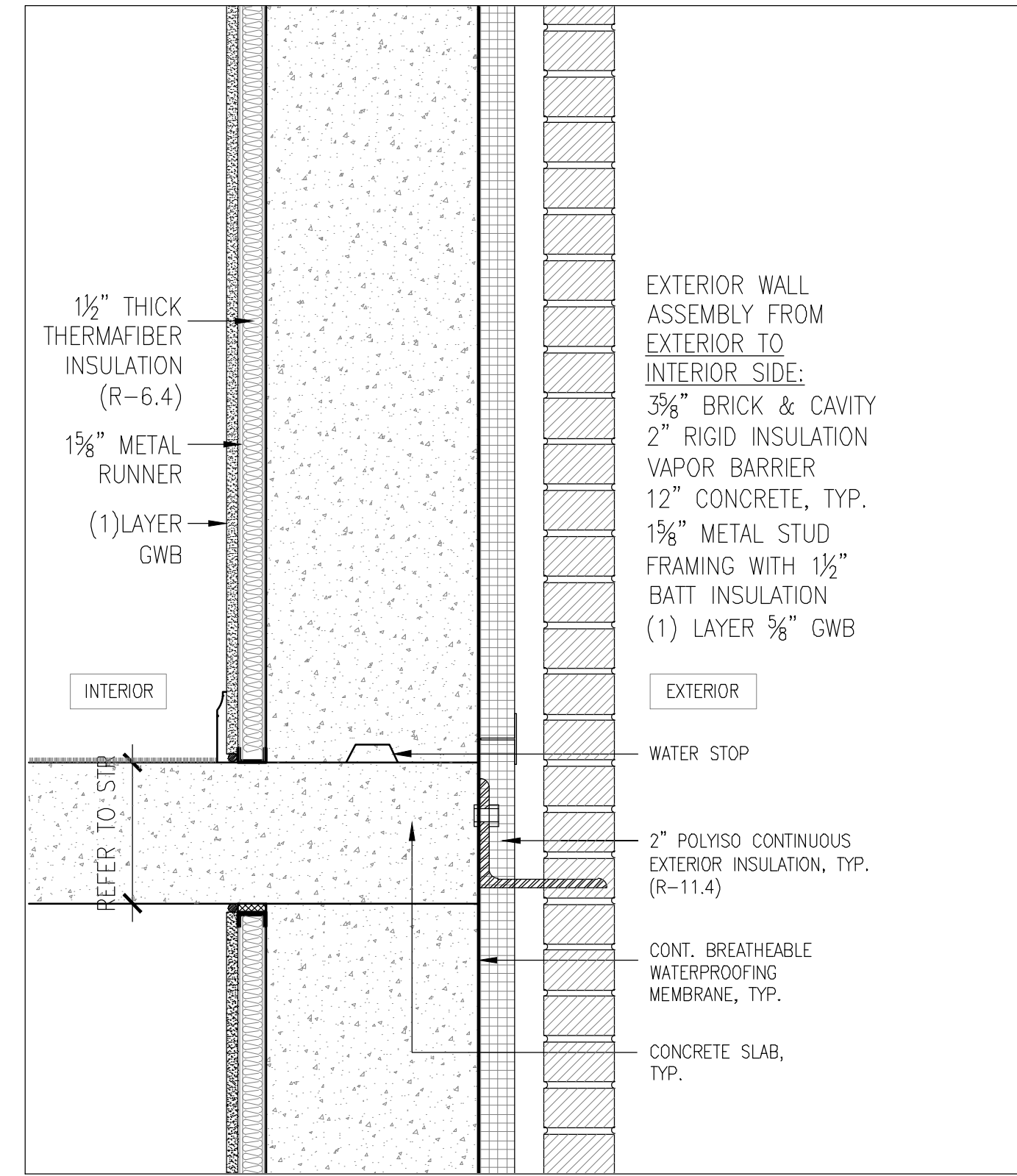
Energy Efficiency of Opaque wall comparing proposed with code requirement:
U-factor or Proposed / U-factor of code x 100 = **65.39** < 80%

WALL TYPE 1
AS PER ASHREA 90.1 APPENDIX A, A3.3.3.1 TABLE A3.3, USED FOR U VALUES

Base Wall U-factor calculations	U-value
6" Std stud framing @ 16" O.C., R-21 in stud cavity, R-17.4 (3")	0.041
Continuous insulation on exterior	

Slab Assembly U-factor calculations	R-value*	U-value
R-17.4, 3" Continuous Insulation - Table A3.1D	17.50	
8" Concrete slab uninsulated (worst case scenario measured from exterior surface to conditioned surface), Normal weight - Table A3.1B	1.410	
Wall Assembly value	18.910	0.053

1 WALL TYPE 1 - STUD WALL
1 1/2" = 1'-0"



WALL TYPE 2
Weighted Wall assembly U-factor calculation derated for differentiation in thermal properties at slab edge

Wall design Threshold Parameters:	Height in inches	U Factor*	UA
Typical 9'-4" floor to floor height (104" wall + max 8" slab)	104	0.056	5.778
Base Wall U-factor	8	0.077	0.620
Slab Assembly U-factor			
Total	112		6.397

Weighted U-factor (total UA/total height): **0.057** < 0.09

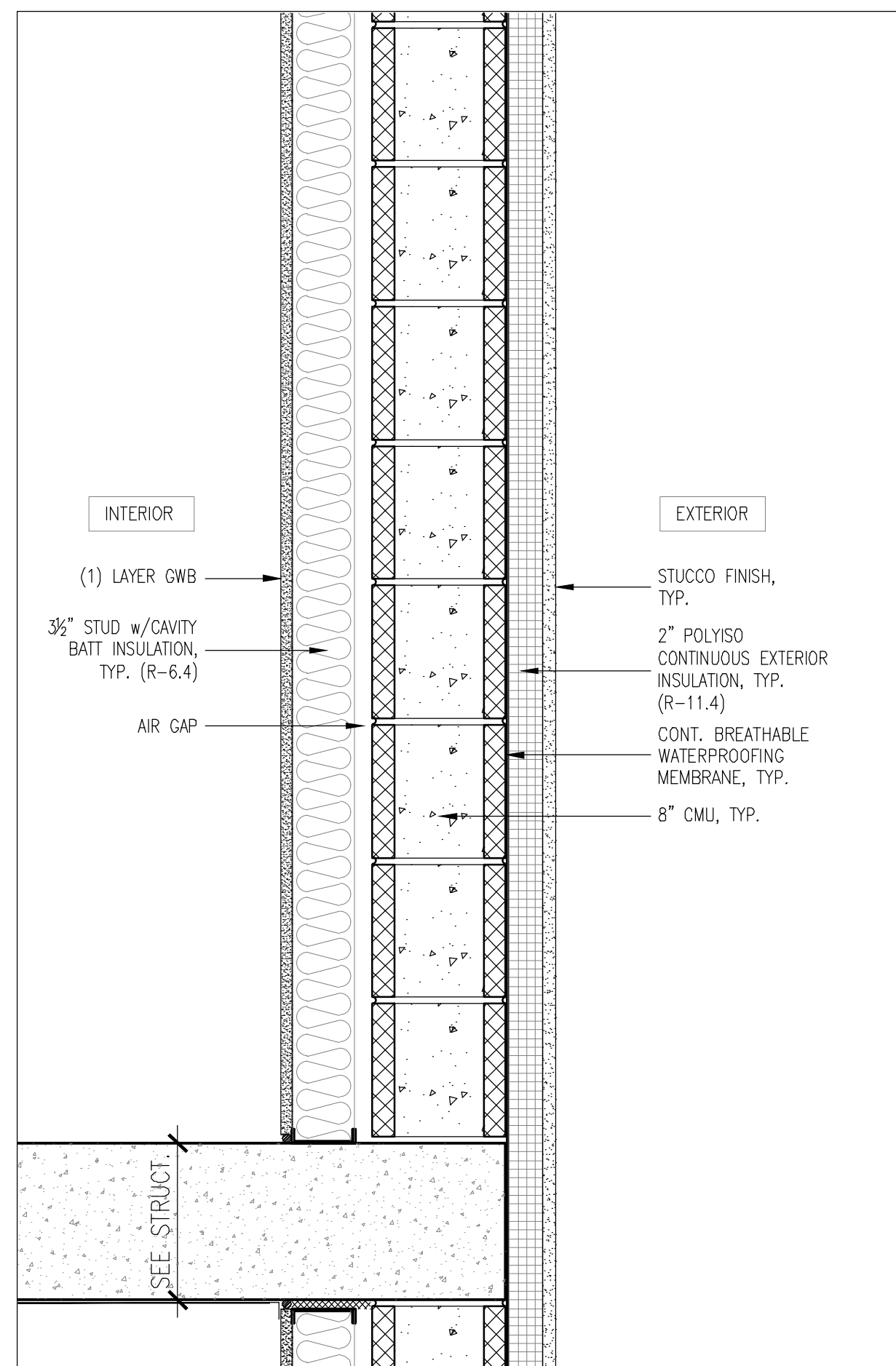
Energy Efficiency of Opaque wall comparing proposed with code requirement:
U-factor or Proposed / U-factor of code x 100 = **63.47** < 80%

WALL TYPE 2
AS PER ASHREA 90.1 APPENDIX A, A3.1.3.2(2)(b) TABLE A3.1B & A3.1D USED FOR R VALUES, TO GET U VALUE.

MASONRY & INSULATION	R-value*	U-value
12" Concrete wall - Table A3.1B	1.60	
Cavity Insulation R-6.4 IN 1.5" Studs - Table A3.1D	4.90	
R-11.4, 2" Continuous Insulation - Table A3.1D	11.50	
Wall Assembly value	18.000	0.056

Slab Assembly U-factor calculations	R-value*	U-value
R-11.4, 2" Continuous Insulation - Table A3.1D	11.50	
8" Concrete slab uninsulated (worst case scenario measured from exterior surface to conditioned surface), Normal weight - Table A3.1B	1.410	
Wall Assembly value	12.910	0.077

2 WALL TYPE 2 - SHEAR WALL W/ FURRING
1 1/2" = 1'-0"



WALL TYPE 3 (CMU WALL)
Weighted Wall assembly U-factor calculation derated for differentiation in thermal properties at slab edge

Wall design Threshold Parameters:	Height in inches	U Factor*	UA
1st Floor 16'-0" floor to floor height (184" wall + max 8" slab)	184	0.055	10.093
Base Wall U-factor	8	0.077	0.620
Slab Assembly U-factor			
Total	192		10.713

Weighted U-factor (total UA/total height): **0.056** < 0.09

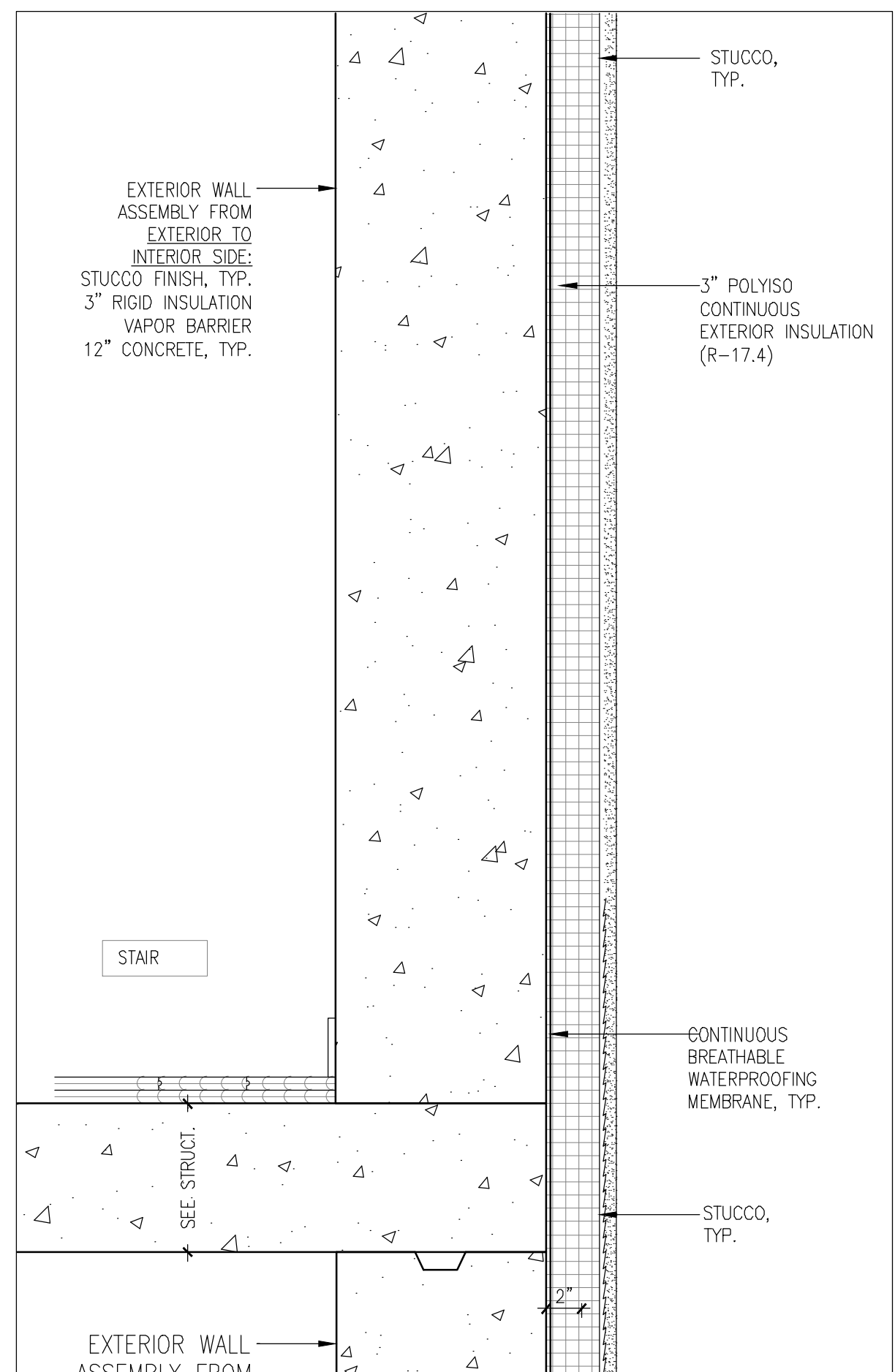
Energy Efficiency of Opaque wall comparing proposed with code requirement:
U-factor or Proposed / U-factor of code x 100 = **62.00** < 80%

WALL TYPE 3
AS PER ASHREA 90.1 APPENDIX A, A3.1.3.2(2)(b) TABLE A3.1C & A3.1D USED FOR R VALUES, TO GET U VALUE.

MASONRY & INSULATION	R-value*	U-value
8" CMU, Normal weight, Partly grouted, cells empty - Table A3.1C	1.83	
Cavity Insulation R-6.4 IN 1.5" Studs - Table A3.1D	4.90	
R-11.4, 2" Continuous Insulation - Table A3.1D	11.50	
Wall Assembly value	18.230	0.055

Slab Assembly U-factor calculations	R-value*	U-value
R-11.4, 2" Continuous Insulation - Table A3.1D	11.50	
8" Concrete slab uninsulated (worst case scenario measured from exterior surface to conditioned surface), Normal weight - Table A3.1B	1.410	
Wall Assembly value	12.910	0.077

3 WALL TYPE 3 - CMU
1 1/2" = 1'-0"



WALL TYPE 4
Weighted Wall assembly U-factor calculation derated for differentiation in thermal properties at slab edge

Wall design Threshold Parameters:	Height in inches	U Factor*	UA
Typical 9'-4" floor to floor height (104" wall + max 8" slab)	104	0.071	7.376
Base Wall U-factor	8	0.072	0.575
Slab Assembly U-factor			
Total	112		7.951

Weighted U-factor (total UA/total height): **0.071** < 0.09

Energy Efficiency of Opaque wall comparing proposed with code requirement:
U-factor or Proposed / U-factor of code x 100 = **78.88** < 80%

WALL TYPE 5
AS PER ASHREA 90.1 APPENDIX A, A3.1.3.2(2)(b) TABLE A3.1B & A3.1D USED FOR R VALUES, TO GET U VALUE.

MASONRY & INSULATION	R-value*	U-value
12" Concrete wall - Table A3.1B	1.60	
R-12.5, 1.5" Continuous Insulation - Table A3.1D	12.50	
Wall Assembly value	14.100	0.071

Slab Assembly U-factor calculations	R-value*	U-value
R-12.5, 1.5" Continuous Insulation - Table A3.1D	12.50	
8" Concrete slab uninsulated (worst case scenario measured from exterior surface to conditioned surface), Normal weight - Table A3.1B	1.410	
Wall Assembly value	13.910	0.072

4 WALL TYPE 4 - SHEAR WALL W/O FURRING
1 1/2" = 1'-0"

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MASONRY & INSULATION	R-value*	U-value
12" Concrete wall - Table A3.1B	1.60	
Cavity Insulation R-6.4 IN 1.5" Studs - Table A3.1D	4.90	
R-11.4, 2" Continuous Insulation - Table A3.1D	11.50	
Wall Assembly value	18.000	0.056

Slab Assembly U-factor calculations	R-value*	U-value
R-11.4, 2" Continuous Insulation - Table A3.1D	11.50	
8" Concrete slab uninsulated (worst case scenario measured from exterior surface to conditioned surface), Normal weight - Table A3.1B	1.410	
Wall Assembly value	12.910	0.077

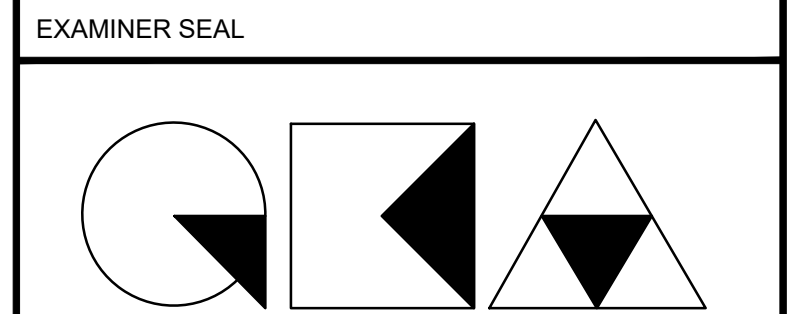
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03/30/2018	ISSUED 100% CD
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08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

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MEP ENGINEER

JOB NUMBER NB#321193230

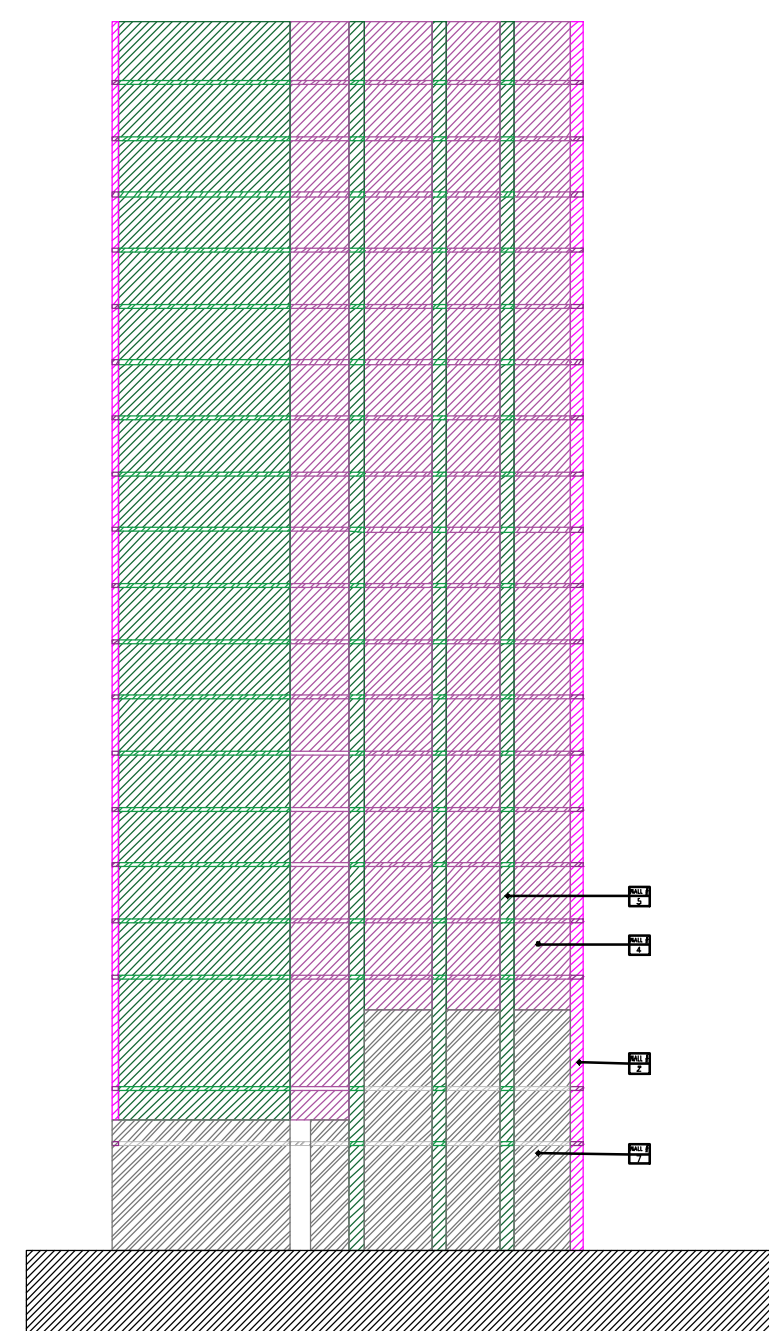


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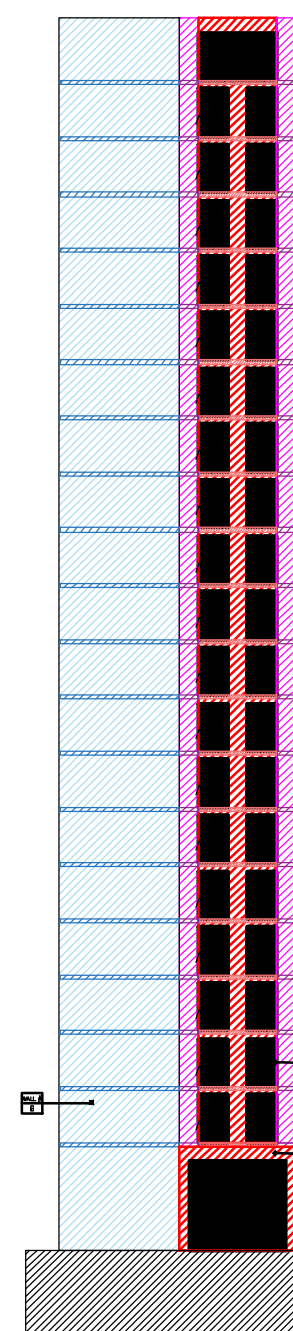
GREEN WALL CALCULATIONS

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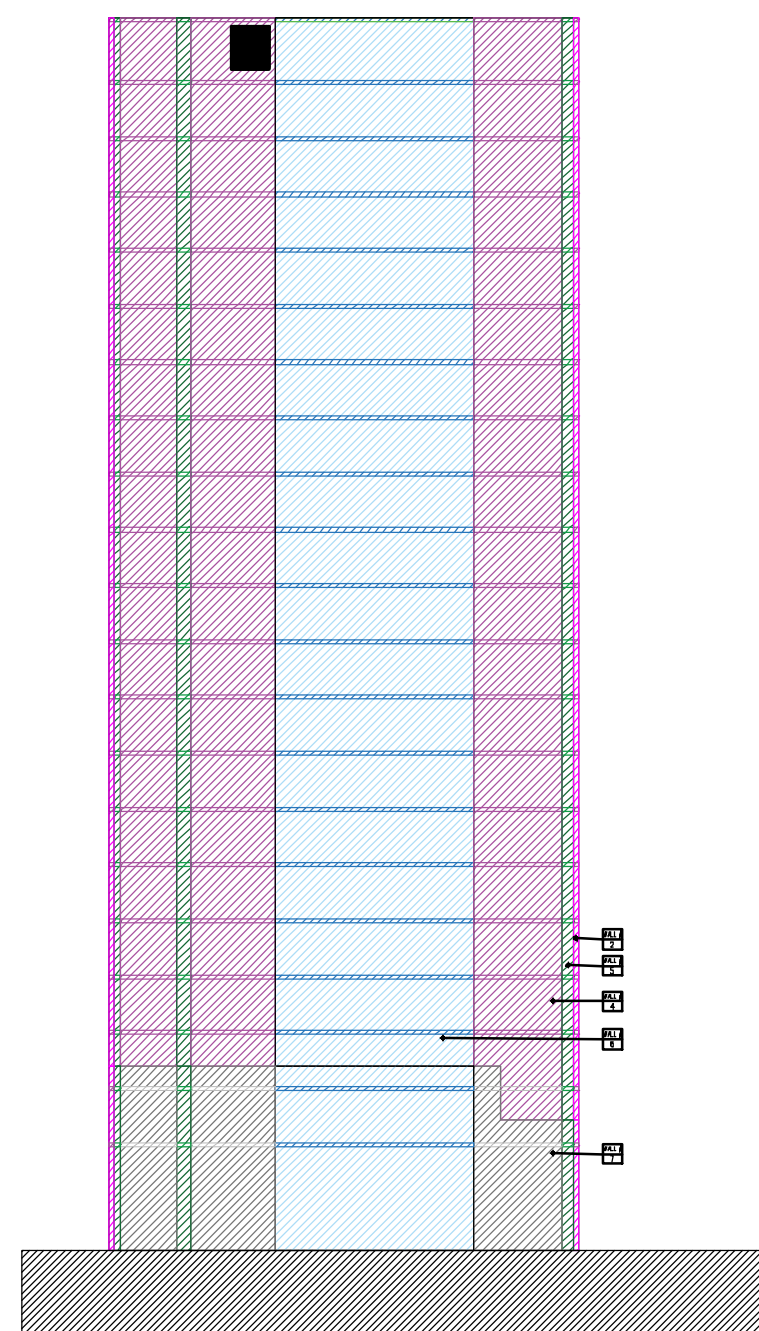
- WALL TYPE 2
- WALL TYPE 4
- WALL TYPE 5
- WALL TYPE 7

1 WEST ELEVATION
SCALE 1/32" = 1'-0"



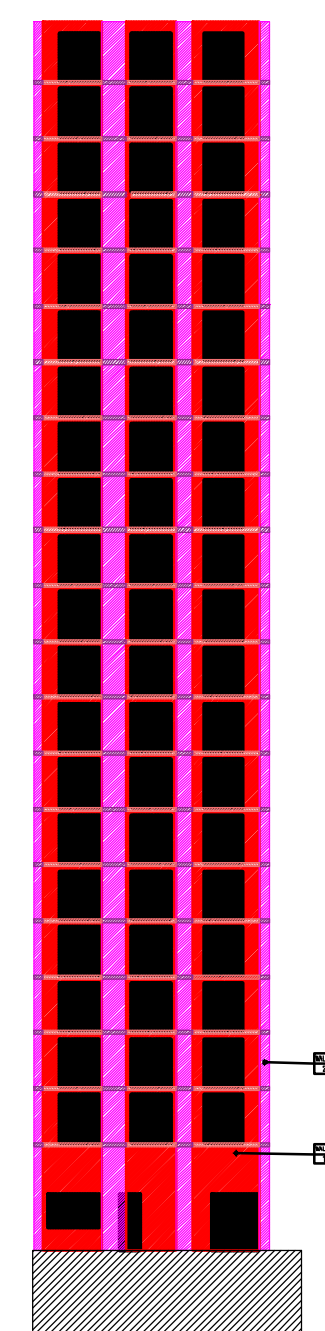
- WALL TYPE 1
- WALL TYPE 2
- WALL TYPE 6

2 SOUTH ELEVATION
SCALE 1/32" = 1'-0"



- WALL TYPE 2
- WALL TYPE 4
- WALL TYPE 5
- WALL TYPE 6
- WALL TYPE 7

3 EAST ELEVATION
SCALE 1/32" = 1'-0"

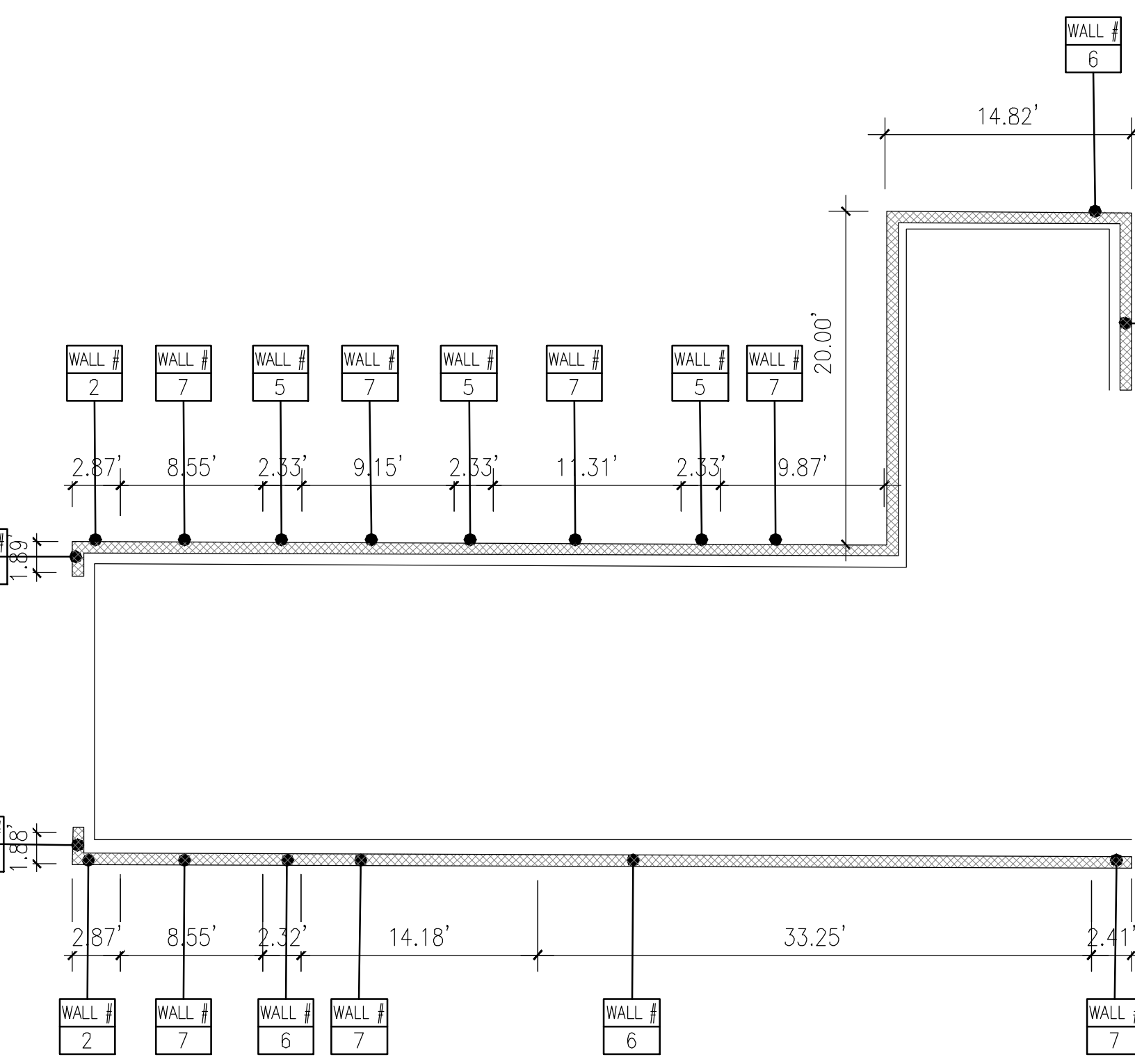


- WALL TYPE 1
- WALL TYPE 2

4 NORTH ELEVATION
SCALE 1/32" = 1'-0"

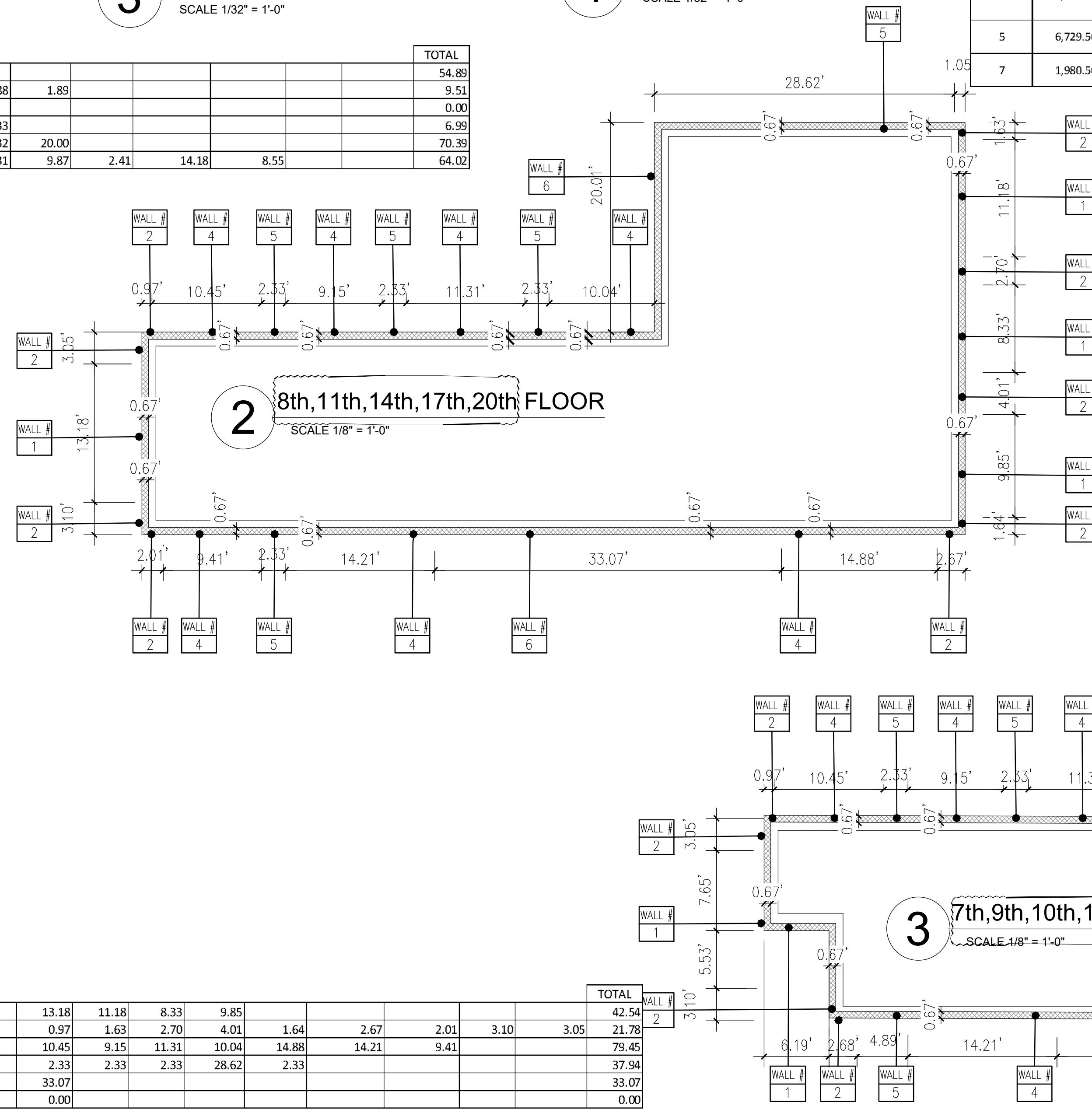
TYPE	15.56	39.33	1.88	1.89						TOTAL
TYPE 1	15.56	39.33	1.88	1.89						54.89
TYPE 2	2.87	2.87								9.51
TYPE 4	0.00									0.00
TYPE 5	2.33	2.33	2.33							6.99
TYPE 6	14.82	33.25	2.32	20.00						70.39
TYPE 7	8.55	9.15	11.31	9.87	2.41	14.18	8.55			64.02

- WALL TYPE 1 BRICK/STUD
- WALL TYPE 2 BRICK/CONCRETE
- WALL TYPE 4 STUCCO/STUDS
- WALL TYPE 5 STUCCO/CONCRETE/FURRING
- WALL TYPE 6 STUCCO/CONCRETE W/O FURRING
- WALL TYPE 7 INSULATION /CMU
- WALL TYPE 8 BASEMENT WALL

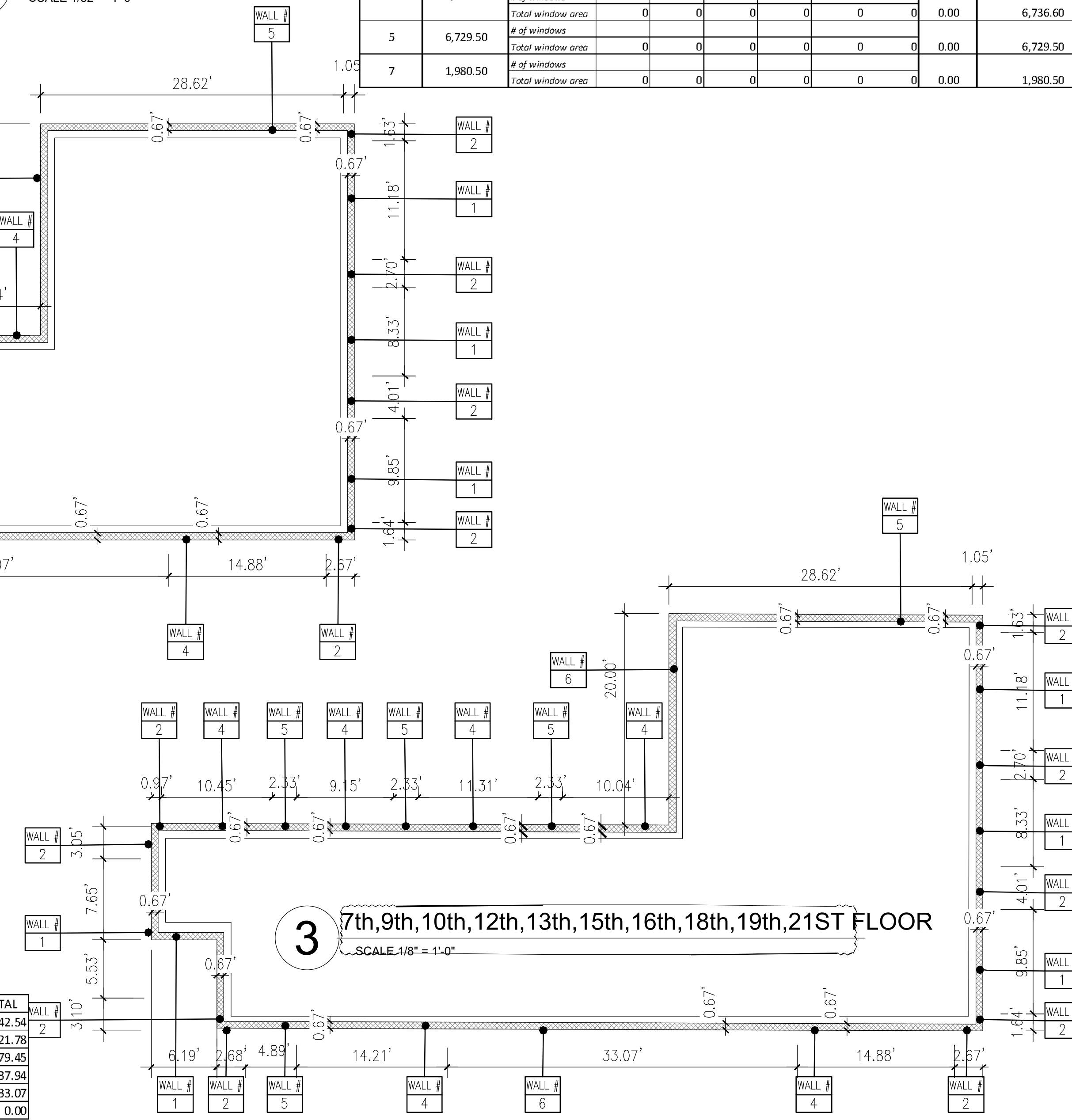


1 1ST FLOOR EXTERIOR WALL
SCALE 1/8" = 1'-0"

TYP	13.18	11.18	8.33	9.85						TOTAL
TYPE 1	13.18	11.18	8.33	9.85						42.54
TYPE 2	0.97	1.63	2.70	4.01	1.64	2.67	2.01	3.10	3.05	21.78
TYPE 4	10.45	9.15	11.31	10.04	14.88	14.21	9.41			79.45
TYPE 5	2.33	2.33	2.33	28.62	2.33					37.94
TYPE 6	33.07									33.07
TYPE 7	0.00									0.00



2 8th, 11th, 14th, 17th, 20th FLOOR
SCALE 1/8" = 1'-0"



3 7th, 9th, 10th, 12th, 13th, 15th, 16th, 18th, 19th, 21st FLOOR
SCALE 1/8" = 1'-0"

NORTH										
WALL TYPE	WALL AREA (FT ²)	FENESTRATION						WINDOW AREA	WALL AREA - WINDOW AREA	
		Window Type:	A	A1	B	B1	D			E
1	6,025.00	# of windows	0	0	20	40	0	0	0	0
		Total window area	0	0	1040	2080	0	0	0	0
2	2,051.00	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0

SOUTH										
WALL TYPE	WALL AREA (FT ²)	FENESTRATION						WINDOW AREA	WALL AREA - WINDOW AREA	
		Window Type:	A	A1	B	B1	D			E
1	2,815.00	# of windows	19	19	0	0	1	0	0	0
		Total window area	771.4	771.4	0	0	105.4	0	0	0
2	1,155.00	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
6	4,151.00	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0

EAST										
WALL TYPE	WALL AREA (FT ²)	FENESTRATION						WINDOW AREA	WALL AREA - WINDOW AREA	
		Window Type:	A	A1	B	B1	D			E
2	348.16	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
4	6,830.00	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
5	3,127.45	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
6	6,810.00	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
7	1,087.00	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0

WEST										
WALL TYPE	WALL AREA (FT ²)	FENESTRATION						WINDOW AREA	WALL AREA - WINDOW AREA	
		Window Type:	A	A1	B	B1	D			E
2	602.70	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
4	6,736.60	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
5	6,729.50	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0
7	1,980.50	# of windows	0	0	0	0	0	0	0	0
		Total window area	0	0	0	0	0	0	0	0

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JOB NUMBER NB#321193230

EXAMINER SEAL

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GREEN WALL CALCULATIONS

SEAL & SIGNATURE:

DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER: Z-108.01

PAGE #

ZR 12-10 (12)(ii)(1,2) - Exterior Wall Deduction - Wall Performance Analysis

ELEVATION	WALL TYPE	AREA A	U-FACTOR (Proposed) B	UA (Proposed) C = A * B	U-FACTOR (Code) D	UA (Code) E = A * D
NORTH	TYPE 1	2,905.00	0.042	121.57	0.064	185.92
	TYPE 2	2,051.00	0.057	117.15	0.090	184.59
SOUTH	TYPE 1	1,166.80	0.042	48.83	0.064	74.68
	TYPE 2	1,155.00	0.057	65.97	0.090	103.95
	TYPE 6	4,151.00	0.071	294.68	0.090	373.59
EAST	TYPE 2	348.16	0.057	19.89	0.090	31.33
	TYPE 4	6,830.00	0.042	285.83	0.064	437.12
	TYPE 5	3,127.45	0.057	178.64	0.090	281.47
	TYPE 6	6,810.00	0.071	483.45	0.090	612.90
WEST	TYPE 2	1,087.00	0.056	60.65	0.090	97.83
	TYPE 2	602.70	0.057	34.43	0.090	54.24
	TYPE 4	6,736.60	0.042	281.92	0.064	431.14
	TYPE 5	6,729.50	0.057	384.39	0.090	605.66
	TYPE 7	1,980.50	0.056	110.50	0.090	178.25
OPAQUE WALL TOTAL		45,680.71		2,487.90		3,652.67

ELEVATION	FENESTRATION IN WALL TYPE	AREA	U-FACTOR	UA	U-FACTOR	UA
SOUTH	TYPE 1 - OPERABLE	3,120.00	0.42	1,310.40	0.45	1,404.00
	TYPE 1 - GLASS DOOR	238	0.77	183.26	0.77	183.26
NORTH	TYPE 1 - OPERABLE	1,648.20	0.42	692.24	0.45	741.69
	TYPE 1 - GLASS DOOR	103.00	0.77	79.31	0.77	79.31
FENESTRATION TOTAL		5,109.20		2,265.21		2,408.26
EXTERIOR GROSS WALL TOTAL		50,789.91		4,753.12		6,060.93

ENERGY EFFICIENCY OF OPAQUE WALL COMPARING PROPOSED WITH CODE REQUIREMENT:

TOTAL UA OPAQUE WALL (PROPOSED) / TOTAL UA OPAQUE WALL (CODE) =	2,487.90	+	3,652.67	X 100 =	68.11%
Energy Efficiency Allowable per ZR12-10 (12)(ii)(1) =	80%				

ENERGY EFFICIENCY OF GROSS WALL COMPARING PROPOSED WITH CODE REQUIREMENT:

EXT. GROSS WALL UA (PROPOSED) / EXT. GROSS WALL UA (CODE) =	4,753.12	+	6,060.93	X 100 =	78.42%
Energy Efficiency Allowable per ZR12-10 (12)(ii)(2) =	90%				

FENESTRATION TOTAL:	5,109.20 FT ²
EXTERIOR GROSS WALL TOTAL:	50,789.91 FT ²
FENESTRATION TO GROSS WALL (%):	10.06 %

Required Prescriptive U-Value Area By Type for NYCECC:

U-Value	Façade U-Value	Wall	Fenestration		
			Fixed	Operable	Door
0.064	TYPE 1	0.064	0.38	0.45	0.77
	TYPE 2	0.090			
	TYPE 4	0.064			
	TYPE 5	0.090			
	TYPE 6	0.090			
	TYPE 7	0.090			
	ENTIRE	0.090			

Required Area Weighted U-Value by Façade & Type for NYCECC:

Façade	Wall	Fenestration				Total	
		Fixed	Operable	Glass Door	Entry Door		
NORTH	TYPE 1	185.92	0.00	741.69	79.31	0.00	1006.92
	TYPE 2	184.59	0.00	0.00	0.00	0.00	184.59
	ENTIRE	370.51	0.00	741.69	79.31	0.00	1191.51
SOUTH	TYPE 1	74.68	0.00	1404.00	0.00	0.00	1478.68
	TYPE 2	103.95	0.00	0.00	183.26	0.00	287.21
	TYPE 6	373.59	0.00	0.00	0.00	0.00	373.59
	ENTIRE	552.22	0.00	1404.00	183.26	0.00	2139.48
EAST	TYPE 2	22.28	0.00	0.00	0.00	0.00	22.28
	TYPE 4	614.70	0.00	0.00	0.00	0.00	614.70
	TYPE 5	281.47	0.00	0.00	0.00	0.00	281.47
	TYPE 6	612.90	0.00	0.00	0.00	0.00	612.90
	TYPE 7	97.83	0.00	0.00	0.00	0.00	97.83
ENTIRE	1629.18	0.00	0.00	0.00	0.00	1629.18	
WEST	TYPE 1	38.57	0.00	0.00	0.00	0.00	38.57
	TYPE 2	606.29	0.00	0.00	0.00	0.00	606.29
	TYPE 6	605.66	0.00	0.00	0.00	0.00	605.66
	TYPE 7	178.25	0.00	0.00	0.00	0.00	178.25
	ENTIRE	1428.77	0.00	0.00	0.00	0.00	1428.77

Façade Area Calculations

Gross Area by Façade & Type (SF):

Façade	Type	Wall Area	Aluminum Frame Door and Window	Total
NORTH	TYPE 1	2905.00	3120.00	6025.00
	TYPE 2	2051.00	0.00	2051.00
	ENTIRE	2051.00	3120.00	8076.00
SOUTH	TYPE 1	1166.80	1648.20	2815.00
	TYPE 2	1155.00	0.00	1155.00
	TYPE 6	4151.00	0.00	4151.00
ENTIRE	6472.80	1648.20	8121.00	
EAST	TYPE 2	348.16	0.00	348.16
	TYPE 4	6830.00	0.00	6830.00
	TYPE 5	3127.45	0.00	3127.45
	TYPE 6	6810.00	0.00	6810.00
	TYPE 7	1087.00	0.00	1087.00
	ENTIRE	18202.61	0.00	18202.61
	TYPE 2	602.70	0.00	602.70
TYPE 4	6736.60	0.00	6736.60	
TYPE 5	6729.50	0.00	6729.50	
TYPE 7	1980.50	0.00	1980.50	
ENTIRE	16049.30	0.00	16049.30	
WEST	TYPE 2	602.70	0.00	602.70
TYPE 4	6736.60	0.00	6736.60	
TYPE 5	6729.50	0.00	6729.50	
TYPE 7	1980.50	0.00	1980.50	
ENTIRE	16049.30	0.00	16049.30	
TOTAL AREA		42775.71	4768.20	50448.91

Percentage Area by Façade & Type (%):

Façade	Type	Wall Area	Aluminum Frame Door and Window	Total
NORTH	TYPE 1	35.97%	38.63%	74.60%
	TYPE 2	25.40%	0.00%	25.40%
	ENTIRE	61.37%	38.63%	100.00%
SOUTH	TYPE 1	14.37%	20.30%	34.66%
	TYPE 2	14.22%	0.00%	14.22%
	TYPE 6	51.11%	0.00%	51.11%
	ENTIRE	79.70%	20.30%	100.00%
EAST	TYPE 2	1.91%	0.00%	1.91%
	TYPE 4	37.52%	0.00%	37.52%
	TYPE 5	17.18%	0.00%	17.18%
	TYPE 6	37.41%	0.00%	37.41%
	TYPE 7	5.97%	0.00%	5.97%
	ENTIRE	100.00%	0.00%	100.00%
	TYPE 2	3.76%	0.00%	3.76%
TYPE 4	41.97%	0.00%	41.97%	
TYPE 5	41.93%	0.00%	41.93%	
TYPE 7	12.34%	0.00%	12.34%	
ENTIRE	100.00%	0.00%	100.00%	

Actual Prescriptive U-Value Area By Type for NYCECC:

U-Value	Façade U-Value	Wall	Fenestration			
			Fixed	Operable	Glass Door	Entrance Door
0.042	TYPE 1	0.042	0.36	0.42	0.77	0.77
	TYPE 2	0.057				
	TYPE 4	0.042				
	TYPE 5	0.057				
	TYPE 6	0.071				
	TYPE 7	0.056				
	ENTIRE	0.056				

Actual Area Weighted U-Value by Façade & Type for NYCECC:

Façade	Wall	Fenestration				Total	
		Fixed	Operable	Glass Door	Entry Door		
NORTH	TYPE 1	121.57	0.00	692.24	79.31	0.00	893.12
	TYPE 2	117.15	0.00	0.00	0.00	0.00	117.15
	ENTIRE	238.72	0.00	692.24	79.31	0.00	1010.28
SOUTH	TYPE 1	48.83	0.00	1310.40	0.00	0.00	1359.23
	TYPE 2	65.97	0.00	0.00	183.26	0.00	249.23
	TYPE 6	294.68	0.00	0.00	0.00	0.00	294.68
	ENTIRE	409.49	0.00	1310.40	183.26	0.00	1903.15
EAST	TYPE 2	19.89	0.00	0.00	0.00	0.00	19.89
	TYPE 4	285.83	0.00	0.00	0.00	0.00	285.83
	TYPE 5	178.64	0.00	0.00	0.00	0.00	178.64
	TYPE 6	483.45	0.00	0.00	0.00	0.00	483.45
	TYPE 7	60.65	0.00	0.00	0.00	0.00	60.65
ENTIRE	1028.45	0.00	0.00	0.00	0.00	1028.45	
WEST	TYPE 2	34.43	0.00	0.00	0.00	0.00	34.43
	TYPE 4	281.92	0.00	0.00	0.00	0.00	281.92
	TYPE 5	384.39	0.00	0.00	0.00	0.00	384.39
	TYPE 7	110.50	0.00	0.00	0.00	0.00	110.50
	ENTIRE	811.24	0.00	0.00	0.00	0.00	811.24

Weighted U-Value Summary:

Façade	Required Area Weighted U Factor for NYCECC	Required Area Weighted U Factor for Wall Deduction (90% of Required)	Actual Area Weighted U-Value	Percentage of Actual Area Weighted U-Value of Required NYCECC U-Value	U-Value Complies
North	1,191.51	1,072.36	1,010.28	84.79%	YES
South	2,139.48	1,925.53	2,193.15	88.95%	YES
East	1,629.18	1,466.26	1,028.45	63.13%	YES
West	1,428.77	1,285.89	811.24	56.78%	YES

Exterior Wall Deduction Calculations:

Wall Thickness in Feet Total

Floor	Quantity	Type 1	Type 2	Type 4	Type 5	Type 6	Type 7
1st	1	1.33	1.83	1.35	1.33	1.33	1.44
2ND-13th	12	1.33	1.83	1.35	1.33	1.33	1.44

Wall Thickness in Feet Deduction Amount Per Linear Foot

Floor	Quantity	Type 1	Type 2	Type 4	Type 5	Type 6	Type 7
1st	1	0.67	0.67	0.67	0.67	0.67	0.67
2ND-13th	12	0.67	0.67	0.67	0.67	0.67	0.67

Wall Length in Linear Feet*

Floor	Quantity	Type 1	Type 2	Type 4	Type 5	Type 6	Type 7
1st	1	54.89	9.51	0.00	6.99	70.39	64.02
2ND-13th	12	42.54	21.78	79.45	37.94	33.07	0.00

*Note: Walls Facing Exterior Only. Party Walls or walls adjacent to conditioned space not included.

Deduction Amount in Sqft per Floor

Floor	Quantity	Type 1	Type 2	Type 4	Type 5	Type 6	Type 7	Total	Deduction/Floor
1st	1	36.78	6.37	0.00	4.68	47.16	42.89	137.89	137.89
2ND-21TH	20	28.50	14.59	53.23	25.42	22.16	0.00	2,878.05	143.90
Total	21							3,015.94	Total Deduction

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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10	10/19/2018	ISSUED ADDENDUM #1
09	08/28/2018	ISSUED TO DOB
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

BUILDING OCCUPANCY-LOAD, EGRESS-REQUIREMENTS

OCCUPANCY GROUP R-1
 BUILDING CONSTRUCTION CLASS 1B
 (FIREPROOF 2 HOUR STRUCTURAL ELEMENTS)
 USE GROUP 5 (HOTEL WITH TRANSIENT OCCUPANCY)
 FLOOR AREA : (38,988) ZONING SF
 BUILDING HEIGHT : (22) FLOORS (215'-2")
 TOTAL NO. OF ROOMS : (104)

NOTES:

- HARDWIRED CARBON MONOXIDE/SMOKE ALARMS & DETECTORS COMPLYING WITH BC908.7.1.1 AND INSTALLED IN ACCORDANCE WITH BC908.7.1.1.1 & BC908.7.1.1.2. SHALL BE PROVIDED IN ALL HOTEL ROOMS.
- PER BC403.16 PHOTO-LUMINESCENT EXIT PATH MARKINGS PROVIDED IN CONFORMANCE WITH BC1026.
- STAIRWAY DOORS TO REMAIN UNLOCKED FROM EITHER SIDE IN ACCORDANCE WITH BC403.12. A FIRE ALARM COMMUNICATION SYSTEM SHALL BE PROVIDED COMPLYING WITH BC403.12.1. EVERY LEVEL IF STAIR ENCLOSURE TO BE EQUIPPED WITH A FIRE COMMAND WARDEN STATION. AT EVERY THIRD STAIR LANDING A STAIR SPEAKER SHALL BE INSTALLED.
- STAIRWAY ENCLOSURES PROVIDED WITH IMPACT-RESISTANT WALLS (MASONRY EQUIVALENT) IN ACCORDANCE WITH BC403.15.
- PER BC403.13 STAIRWAY ENCLOSURES CONSTRUCTED IN ACCORDANCE WITH BC909.20 & 1019.1.1
- PASSENGER ELEVATOR BANK PRESSURIZED IN ACCORDANCE WITH BC403.9.1, EXEMPTION 5.
- VERTICAL EXIT ENCLOSURE PRESSURIZED IN ACCORDANCE WITH BC1019
- RODENT PROOFING IN ACCORDANCE WITH BC403.10
- EXIT SIGN AND EMERGENCY LIGHTING AS PER BC403.11.1 AND BC2702
- CONTRACTOR TO PROVIDE CONCRETE PADS TO ALL MECHANICAL EQUIPMENT THAT REQUIRES SUPPORT. HEIGHT AND SIZE TO BE PER MANUFACTURER SPECIFICATIONS
- CONTRACTOR TO PROVIDE LIQUID APPLIED WATERPROOFING MEMBRANE IN ALL GUESTROOM BATHROOMS

TABLE 1015.1

OCCUPANCY	EGRESS REQUIREMENTS	
R-1	MAX. TRAVEL DISTANCE (SPRINKLERED)	200 FT

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT TABLE 1004.1.2

GROUND FLOOR	OCCUPANCY	AREA	SF / PERSON	OCCUPANT LOAD
LOBBY	R-1	400	15/OCC	27
OFFICE	R-1	35	FIXED	2
PANTRY	R-1	119.9	300/OCC	1
BEER GARDEN	R-1	358	FIXED	10
CELLAR (50% OCC)				12
2ND FL (50% OCC)				5
TOTAL				57

NUMBER OF EXITS FOR OCCUPANT LOAD TABLE 1018.1

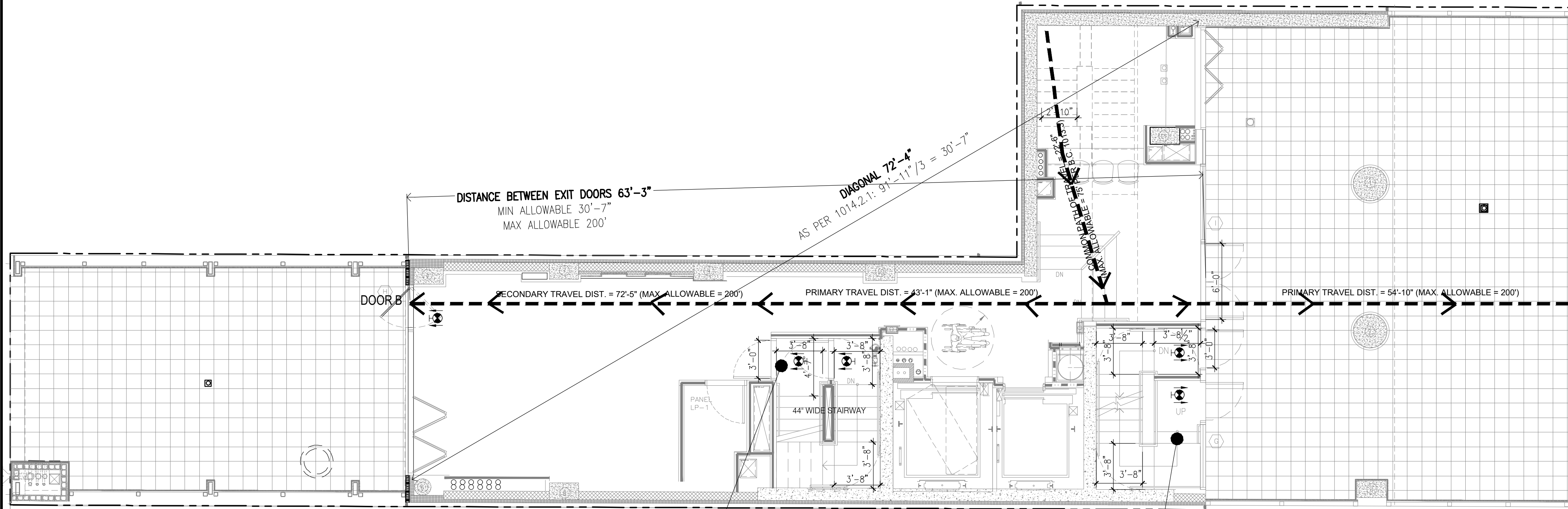
OCCUPANT LOAD	MINIMUM EXITS REQUIRED	EXITS PROVIDED
57	2	2

EXIT ACCESS TRAVEL DISTANCE TABLE 1015.1

OCCUPANCY	WITH SPRINKLER SYSTEM (REQUIRED)	WITH SPRINKLER SYSTEM (PROVIDED)
R-1	TRAVEL DISTANCE 200	TRAVEL DISTANCE 54'-10"

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1

ALLOWED CAPACITY	CAPACITY	OTHER COMPONENTS	CAPACITY
STAIRWAYS	44"/0.30=146 MAX	DOOR B = 36"	36"/0.20=180 MAX
STAIR DOOR A = 44"	44"/0.30=146 MAX	STAIR DOOR B = 36"	36"/0.20=180 MAX



STAIR A
 1 @ 44" NOM
 44"/0.30 = 146 PERSONS MAX.
STAIR A DOOR (CSTB)
 1 @ 36" NOM
 36"/0.20 = 180 PERSONS MAX.

STAIR B
 1 @ 44" NOM
 44"/0.30 = 146 PERSONS MAX.
STAIR B DOOR (CSTB)
 1 @ 36" NOM
 36"/0.20 = 180 PERSONS MAX.

2 1ST FLOOR EGRESS PLAN
 3/16" = 1' - 0"

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT TABLE 1004.1.2

CELLAR FLOOR	OCCUPANCY	AREA	SF / PERSON	OCCUPANT LOAD
STORAGE	R-1	474		2
BREAK ROOM	R-1	250	30/OCC	9
ADMIN. OFFICE	R-1	202	30/OCC	7
INCIDENTAL USE AREAS	R-1	1260	300/OCC	5
TOTAL				23

NUMBER OF EXITS FOR OCCUPANT LOAD TABLE 1018.1

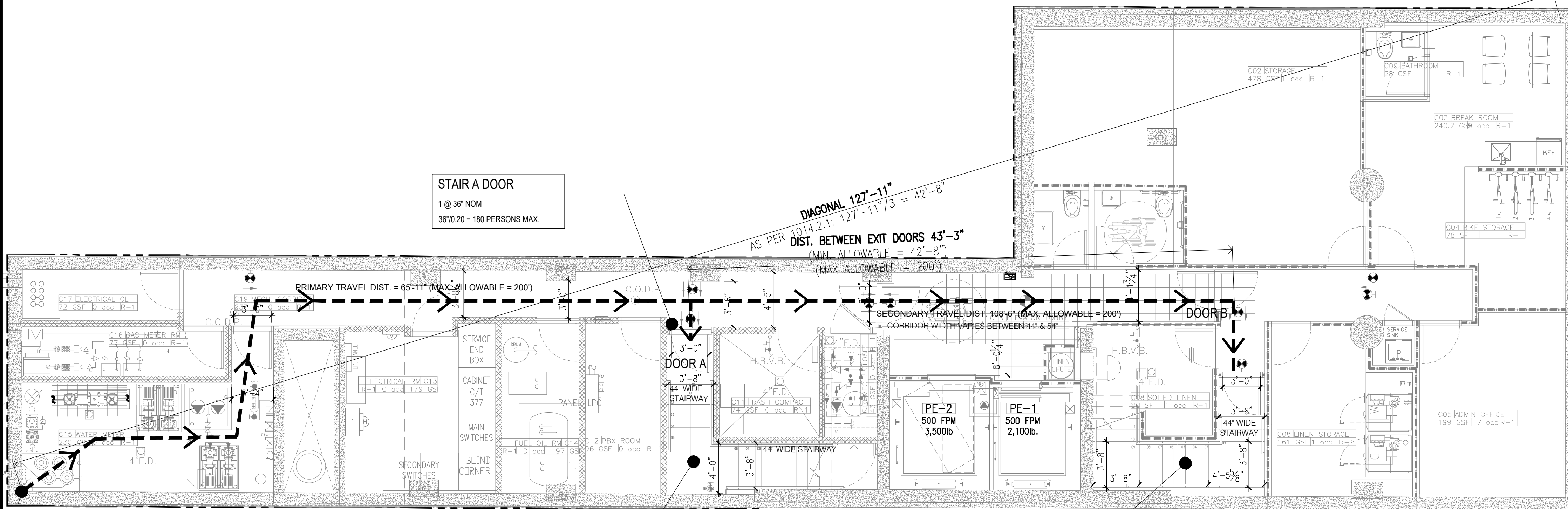
OCCUPANT LOAD	MINIMUM EXITS REQUIRED	EXITS PROVIDED
23	2	2

EXIT ACCESS TRAVEL DISTANCE TABLE 1015.1

OCCUPANCY	WITH SPRINKLER SYSTEM (REQUIRED)	WITH SPRINKLER SYSTEM (PROVIDED)
R-1	TRAVEL DISTANCE 200	TRAVEL DISTANCE 108'-6"

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1

ALLOWED CAPACITY	CAPACITY	OTHER COMPONENTS	CAPACITY
STAIRWAYS	44"/0.30=146 MAX		
STAIR DOOR A = 36"	36"/0.20=180 MAX		
STAIR B = 44"	44"/0.30=146 MAX		
STAIR DOOR B = 36"	36"/0.20=180 MAX		



STAIR A DOOR
 1 @ 36" NOM
 36"/0.20 = 180 PERSONS MAX.

STAIR A
 1 @ 44" NOM
 44"/0.30 = 146 PERSONS MAX.
STAIR A DOOR (CSTB)
 1 @ 36" NOM
 36"/0.20 = 180 PERSONS MAX.

STAIR B
 1 @ 44" NOM
 44"/0.30 = 146 PERSONS MAX.
STAIR B DOOR (CSTB)
 1 @ 36" NOM
 36"/0.20 = 180 PERSONS MAX.

1 CELLAR FLOOR EGRESS PLAN
 3/16" = 1' - 0"

INCIDENTAL USE AREAS

USE	AREA (SF)	USE	AREA (SF)
ELECTRICAL CLOSET	73 SF	LINEN	275 SF
GAS METER RM.	79 SF	BATHROOM	27 SF
PLUMBING ROOM	234 SF	ADA BATH RM	48 SF
DIL STORAGE	96 SF	COMP ROOM	72 SF
LDW VOLTAGE	59 SF	MECH. CLOSET	42 SF
ELECTRICAL RM	177 SF	BIKE STORAGE	78 SF
TOTAL		TOTAL	1,260 SF

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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ISSUED DRAWINGS

DATE	DESCRIPTION
01	06/07/2017 ISSUED TO DOB
02	08/03/2017 ISSUED TO DOB
03	10/02/2017 ISSUED FOR MODULAR
04	10/19/2017 ISSUED FOR DOB
05	11/10/2017 ISSUED FOR BID SET
06	11/29/2017 ISSUED FOR DOB
07	03/30/2018 ISSUED 100% CD
08	06/22/2018 ISSUED TO DOB
09	10/19/2018 ISSUED ADDENDUM #1
10	01/11/2019 PAA ISSUED TO DOB

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
 T 212 625 8700 www.gkpc.com

291 LIVINGSTON STREET
 BROOKLYN, NY 11217

CELLAR & 1ST FLOOR
 EGRESS & OCCUPANCY PLAN

SEAL & SIGNATURE

DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER:
EG-100.01

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BUILDING OCCUPANCY-LOAD, EGRESS-REQUIREMENTS

OCCUPANCY GROUP R-1
 BUILDING CONSTRUCTION CLASS 1B
 (FIREPROOF 2 HOUR STRUCTURAL ELEMENTS)
 USE GROUP 5 (HOTEL WITH TRANSIENT OCCUPANCY)
 FLOOR AREA : (38,988) ZONING SF
 BUILDING HEIGHT : (22) FLOORS (215'-2")
 TOTAL NO. OF ROOMS : (104)

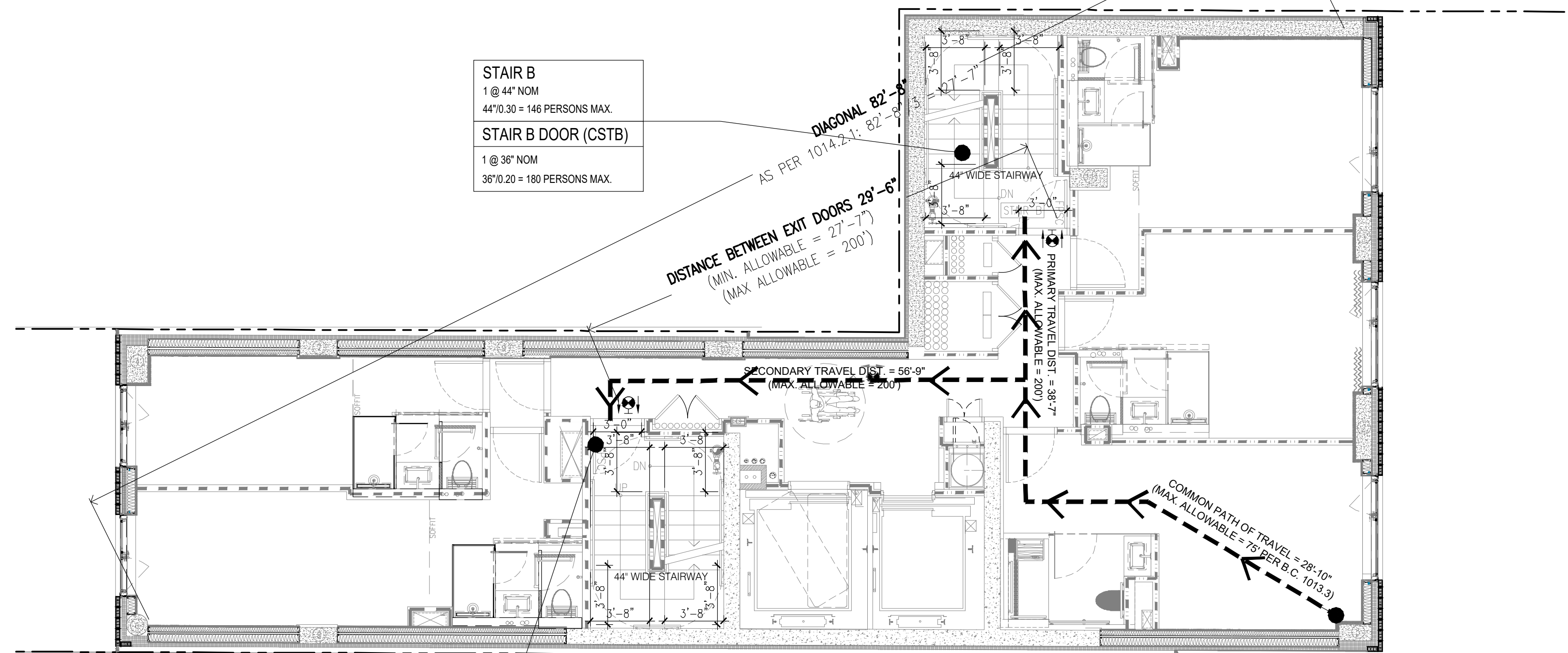
- NOTES:**
- HARDWIRED CARBON MONOXIDE/SMOKE ALARMS & DETECTORS COMPLYING WITH BC908.7.1.1 AND INSTALLED IN ACCORDANCE WITH BC908.7.1.1.1 & BC908.7.1.1.2. SHALL BE PROVIDED IN ALL HOTEL ROOMS.
 - PER BC403.16 PHOTO-LUMINESCENT EXIT PATH MARKINGS PROVIDED IN CONFORMANCE WITH BC1026.
 - STAIRWAY DOORS TO REMAIN UNLOCKED FROM EITHER SIDE IN ACCORDANCE WITH BC403.12. A FIRE ALARM COMMUNICATION SYSTEM SHALL BE PROVIDED COMPLYING WITH BC403.12.1. EVERY LEVEL IF STAIR ENCLOSURE TO BE EQUIPPED WITH A FIRE COMMAND WARDEN STATION. AT EVERY THIRD STAIR LANDING A STAIR SPEAKER SHALL BE INSTALLED.
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 - PER BC403.13 STAIRWAY ENCLOSURES CONSTRUCTED IN ACCORDANCE WITH BC909.20 & 1019.1.1
 - PASSENGER ELEVATOR BANK PRESSURIZED IN ACCORDANCE WITH BC403.9.1, EXEMPTION 5.
 - VERTICAL EXIT ENCLOSURE PRESSURIZED IN ACCORDANCE WITH BC1019
 - RODENT PROOFING IN ACCORDANCE WITH BCF101.
 - EXIT SIGN AND EMERGENCY LIGHTING AS PER BC403.11.1 AND BC2702
 - CONTRACTOR TO PROVIDE CONCRETE PADS TO ALL MECHANICAL EQUIPMENT THAT REQUIRES SUPPORT. HEIGHT AND SIZE TO BE PER MANUFACTURER SPECIFICATIONS
 - CONTRACTOR TO PROVIDE LIQUID APPLIED WATERPROOFING MEMBRANE IN ALL GUESTROOM BATHROOMS

TABLE 1015.1

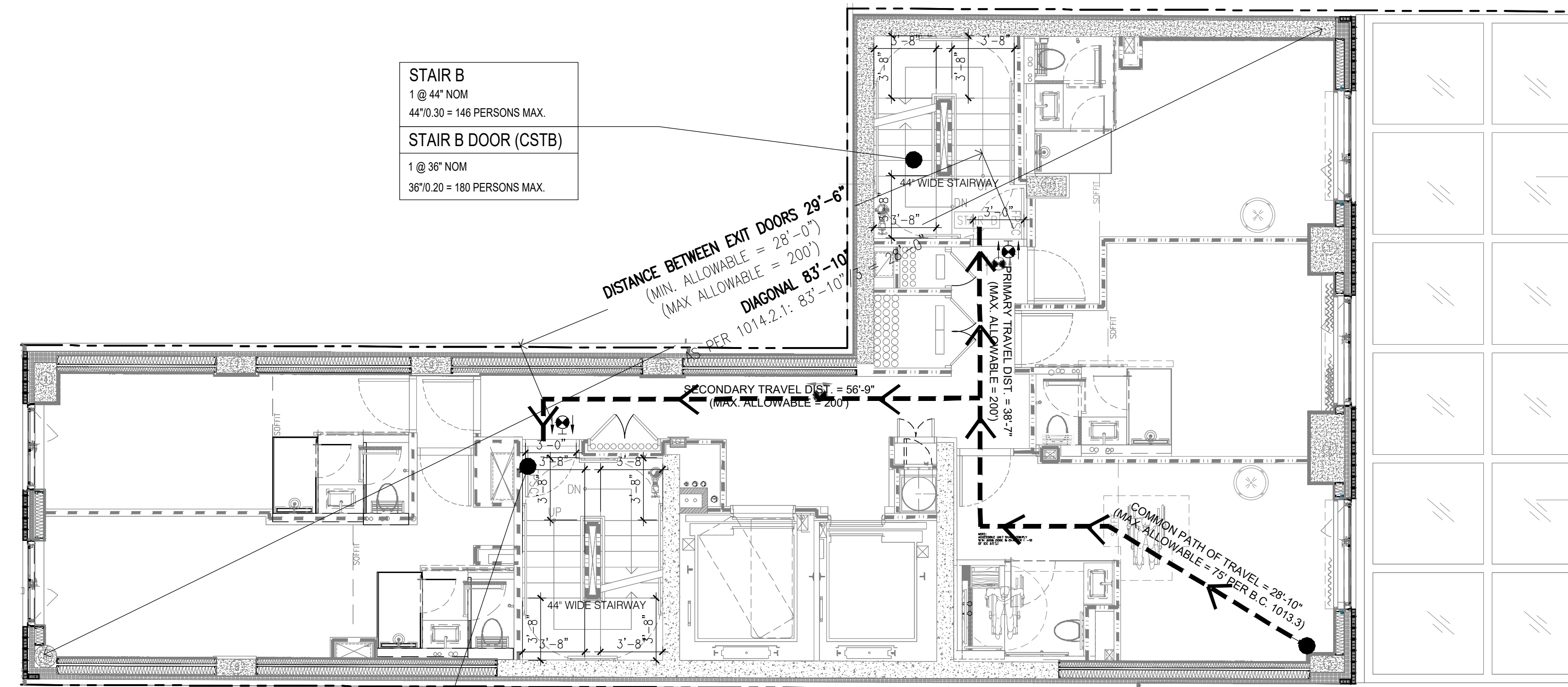
OCCUPANCY	EGRESS REQUIREMENTS	
R-1	MAX. TRAVEL DISTANCE (SPRINKLERED)	200 FT

TABLE 1024.7 (FOR LOBBY FLOOR ONLY)

OCCUPANCY	EGRESS REQUIREMENTS (SPRINKLERED)	
A-2 INCIDENTAL TO PRIME USE R-1	MAXIMUM PRIMARY TRAVEL DISTANCE	150 FT
	MAXIMUM SECONDARY TRAVEL DISTANCE	250 FT



2 5TH FLOOR EGRESS PLAN
 3/16" = 1' - 0"



1 2ND FLOOR EGRESS PLAN
 3/16" = 1' - 0"

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT TABLE 1004.1.2

USE OF SPACE	OCCUPANCY	AREA	SF / PERSON	OCCUPANT LOAD
3RD - 7TH FLOORS				
HOTEL ROOMS	R-1	260 SF (AVERAGE)	200/OCC	2 2 X (5) ROOMS
SUBTOTAL				10 (X4 FLOORS)

NUMBER OF EXITS FOR OCCUPANT LOAD TABLE 1018.1

OCCUPANT LOAD	MINIMUM EXITS REQUIRED	EXITS PROVIDED
10	2	2

EXIT ACCESS TRAVEL DISTANCE TABLE 1015.1

OCCUPANCY	WITH SPRINKLER SYSTEM (REQUIRED)	WITH SPRINKLER SYSTEM (PROVIDED)
	TRAVEL DISTANCE	TRAVEL DISTANCE
R-1	200	56'-9"

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1

STAIRWAYS	CAPACITY	OTHER COMPONENTS	CAPACITY
STAIR A = 44"	44"/0.30=146 MAX		
STAIR DOOR A = 36"	36"/0.20=180 MAX		
STAIR B = 44"	44"/0.30=146 MAX		
STAIR DOOR B = 36"	36"/0.20=180 MAX		

PROPOSED

PROPOSED	TOTAL	10

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT TABLE 1004.1.2

USE OF SPACE	OCCUPANCY	AREA	SF / PERSON	OCCUPANT LOAD
2ND FLOOR				
HOTEL ROOMS	R-1	260 SF (AVERAGE)	200/OCC	2 2 X (5) ROOMS
SUBTOTAL				10

NUMBER OF EXITS FOR OCCUPANT LOAD TABLE 1018.1

OCCUPANT LOAD	MINIMUM EXITS REQUIRED	EXITS PROVIDED
10	2	2

EXIT ACCESS TRAVEL DISTANCE TABLE 1015.1

OCCUPANCY	WITH SPRINKLER SYSTEM (REQUIRED)	WITH SPRINKLER SYSTEM (PROVIDED)
	TRAVEL DISTANCE	TRAVEL DISTANCE
R-1	200	56'-9"

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1

STAIRWAYS	CAPACITY	OTHER COMPONENTS	CAPACITY
STAIR A = 44"	44"/0.30=146 MAX		
STAIR DOOR A = 36"	36"/0.20=180 MAX		
STAIR B = 44"	44"/0.30=146 MAX		
STAIR DOOR B = 36"	36"/0.20=180 MAX		

PROPOSED

PROPOSED	TOTAL	10

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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ISSUED DRAWINGS

DATE	DESCRIPTION
01/11/2019	PAA ISSUED TO DOB
10/19/2018	ISSUED ADDENDUM #1
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
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 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

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2ND-7TH FLOOR
 EGRESS & OCCUPANCY PLAN

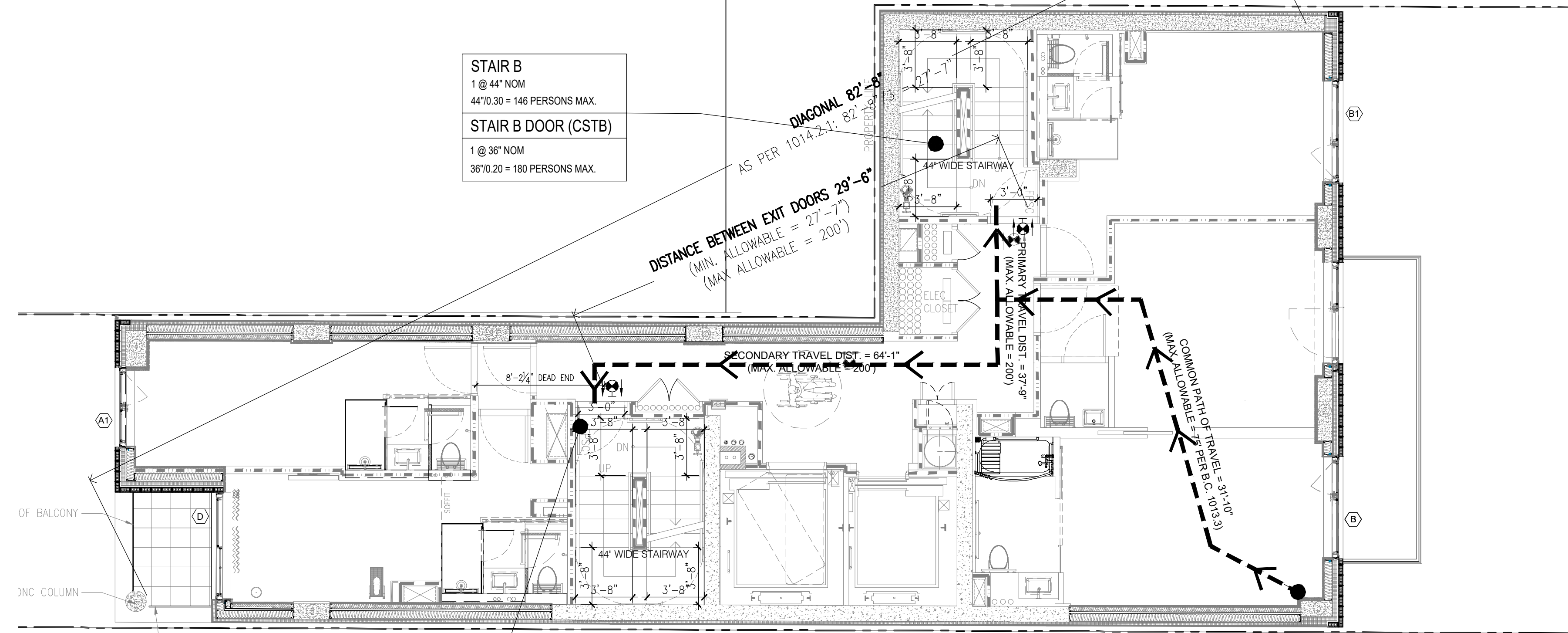
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 DATE: 5/11/2017
 SCALE: AS NOTED
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BUILDING OCCUPANCY-LOAD, EGRESS-REQUIREMENTS

OCCUPANCY GROUP R-1
 BUILDING CONSTRUCTION CLASS 1B
 (FIREPROOF 2 HOUR STRUCTURAL ELEMENTS)
 USE GROUP 5 (HOTEL WITH TRANSIENT OCCUPANCY)
 FLOOR AREA : (38,988) ZONING SF
 BUILDING HEIGHT : (22) FLOORS (215'-2")
 TOTAL NO. OF ROOMS : (104)

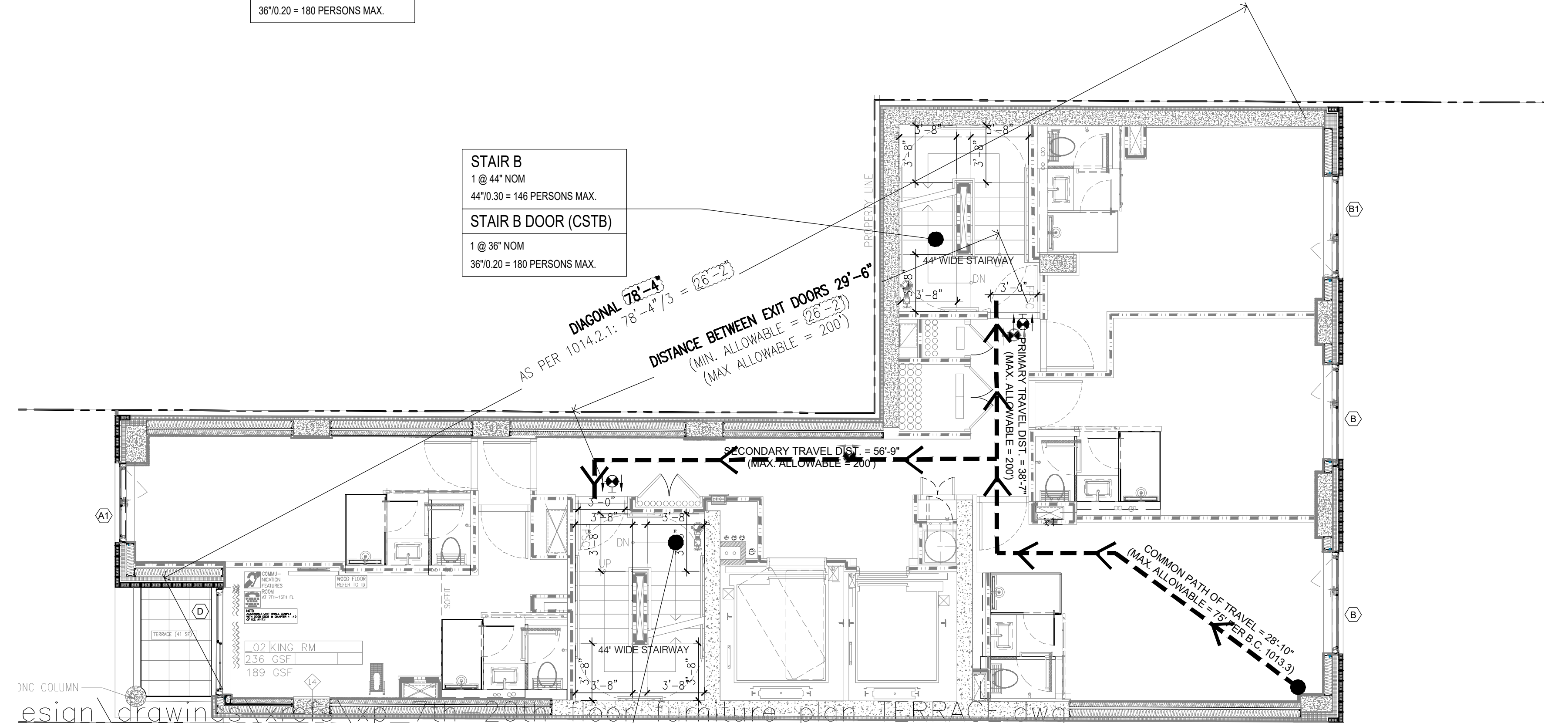
- NOTES:**
- HARDWIRED CARBON MONOXIDE/SMOKE ALARMS & DETECTORS COMPLYING WITH BC908.7.1.1 AND INSTALLED IN ACCORDANCE WITH BC908.7.1.1.1 & BC908.7.1.1.2. SHALL BE PROVIDED IN ALL HOTEL ROOMS.
 - PER BC403.16 PHOTO-LUMINESCENT EXIT PATH MARKINGS PROVIDED IN CONFORMANCE WITH BC1026.
 - STAIRWAY DOORS TO REMAIN UNLOCKED FROM EITHER SIDE IN ACCORDANCE WITH BC403.12. A FIRE ALARM COMMUNICATION SYSTEM SHALL BE PROVIDED COMPLYING WITH BC403.12.1. EVERY LEVEL IF STAIR ENCLOSURE TO BE EQUIPPED WITH A FIRE COMMAND WARDEN STATION. AT EVERY THIRD STAIR LANDING A STAIR SPEAKER SHALL BE INSTALLED.
 - STAIRWAY ENCLOSURES PROVIDED WITH IMPACT-RESISTANT WALLS (MASONRY EQUIVALENT) IN ACCORDANCE WITH BC403.15.
 - PER BC403.13 STAIRWAY ENCLOSURES CONSTRUCTED IN ACCORDANCE WITH BC909.20 & 1019.1.1
 - PASSENGER ELEVATOR BANK PRESSURIZED IN ACCORDANCE WITH BC403.9.1, EXEMPTION 5.
 - VERTICAL EXIT ENCLOSURE PRESSURIZED IN ACCORDANCE WITH BC1019
 - RODENT PROOFING IN ACCORDANCE WITH BC101
 - EXIT SIGN AND EMERGENCY LIGHTING AS PER BC403.11.1 AND BC2702
 - CONTRACTOR TO PROVIDE CONCRETE PADS TO ALL MECHANICAL EQUIPMENT THAT REQUIRES SUPPORT. HEIGHT AND SIZE TO BE PER MANUFACTURER SPECIFICATIONS
 - CONTRACTOR TO PROVIDE LIQUID APPLIED WATERPROOFING MEMBRANE IN ALL GUESTROOM BATHROOMS



STAIR B
 1 @ 44" NOM
 447/0.30 = 146 PERSONS MAX.
STAIR B DOOR (CSTB)
 1 @ 36" NOM
 367/0.20 = 180 PERSONS MAX.

STAIR A
 1 @ 44" NOM
 447/0.30 = 146 PERSONS MAX.
STAIR A DOOR (CSTB)
 1 @ 36" NOM
 367/0.20 = 180 PERSONS MAX.

2 22nd FLOOR EGRESS PLAN
 3/16" = 1' - 0"



STAIR B
 1 @ 44" NOM
 447/0.30 = 146 PERSONS MAX.
STAIR B DOOR (CSTB)
 1 @ 36" NOM
 367/0.20 = 180 PERSONS MAX.

STAIR A
 1 @ 44" NOM
 447/0.30 = 146 PERSONS MAX.
STAIR A DOOR (CSTB)
 1 @ 36" NOM
 367/0.20 = 180 PERSONS MAX.

1 3RD, 4TH, 6TH, 7TH, 9TH, 10TH, 12TH, 13TH, 15TH, 16TH, 18TH, 19TH, 21ST FLOOR EGRESS PLAN

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT TABLE 1004.1.2

USE OF SPACE	OCCUPANCY	AREA	SF / PERSON	OCCUPANT LOAD
HOTEL ROOMS	R-1	260 SF (AVERAGE)	200/OCC	2
				2 X (5) ROOMS
SUBTOTAL				10

NUMBER OF EXITS FOR OCCUPANT LOAD TABLE 1018.1

OCCUPANT LOAD	MINIMUM EXITS REQUIRED	EXITS PROVIDED
10	2	2

EXIT ACCESS TRAVEL DISTANCE TABLE 1015.1

OCCUPANCY	WITH SPRINKLER SYSTEM (REQUIRED)	WITH SPRINKLER SYSTEM (PROVIDED)
R-1	TRAVEL DISTANCE 200'	TRAVEL DISTANCE 64'-1"

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1

STAIRWAYS	CAPACITY	OTHER COMPONENTS	CAPACITY
STAIR A = 44"	44"/0.30=146 MAX		
STAIR DOOR A = 36"	36"/0.20=180 MAX		
STAIR B = 44"	44"/0.30=146 MAX		
STAIR DOOR B = 36"	36"/0.20=180 MAX		

PROPOSED

PROPOSED	TOTAL	10

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT TABLE 1004.1.2

USE OF SPACE	OCCUPANCY	AREA	SF / PERSON	OCCUPANT LOAD
HOTEL ROOMS	R-1	260 SF (AVERAGE)	200/OCC	2
				2 X (5) ROOMS
SUBTOTAL				10

NUMBER OF EXITS FOR OCCUPANT LOAD TABLE 1018.1

OCCUPANT LOAD	MINIMUM EXITS REQUIRED	EXITS PROVIDED
10	2	2

EXIT ACCESS TRAVEL DISTANCE TABLE 1015.1

OCCUPANCY	WITH SPRINKLER SYSTEM (REQUIRED)	WITH SPRINKLER SYSTEM (PROVIDED)
R-1	TRAVEL DISTANCE 200	TRAVEL DISTANCE 56'-9"

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1

STAIRWAYS	CAPACITY	OTHER COMPONENTS	CAPACITY
STAIR A = 44"	44"/0.30=146 MAX		
STAIR DOOR A = 36"	36"/0.20=180 MAX		
STAIR B = 44"	44"/0.30=146 MAX		
STAIR DOOR B = 36"	36"/0.20=180 MAX		

PROPOSED

PROPOSED	TOTAL	10

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

REVISIONS

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ISSUED DRAWINGS

DATE	DESCRIPTION
01	06/07/2017 ISSUED TO DOB
02	08/03/2017 ISSUED FOR MODULAR
03	10/02/2017 ISSUED FOR DOB
04	10/19/2017 ISSUED FOR DOB
05	11/10/2017 ISSUED FOR BID SET
06	11/29/2017 ISSUED FOR DOB
07	03/30/2018 ISSUED 100% CD
08	06/22/2018 ISSUED TO DOB
09	10/19/2018 ISSUED ADDENDUM #1
10	01/11/2019 PAA ISSUED TO DOB

STRUCTURAL ENGINEER
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JOB NUMBER NB#321193230

EXAMINER SEAL

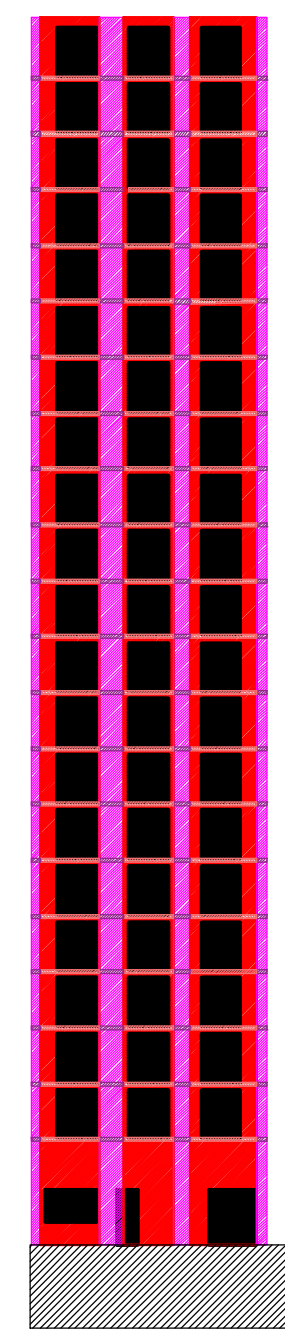
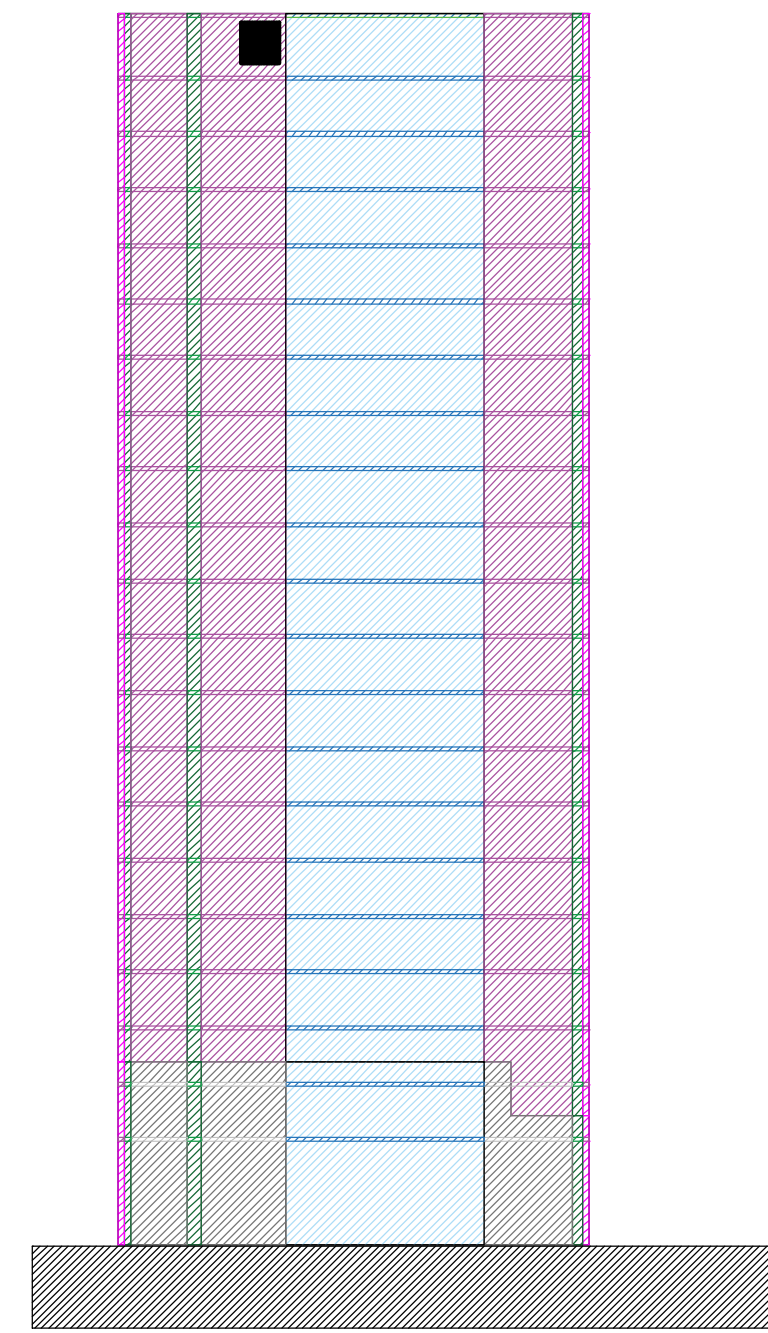
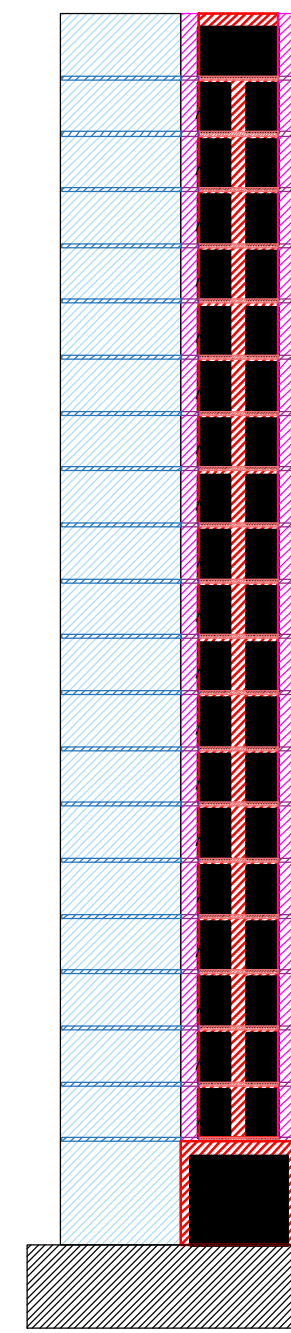
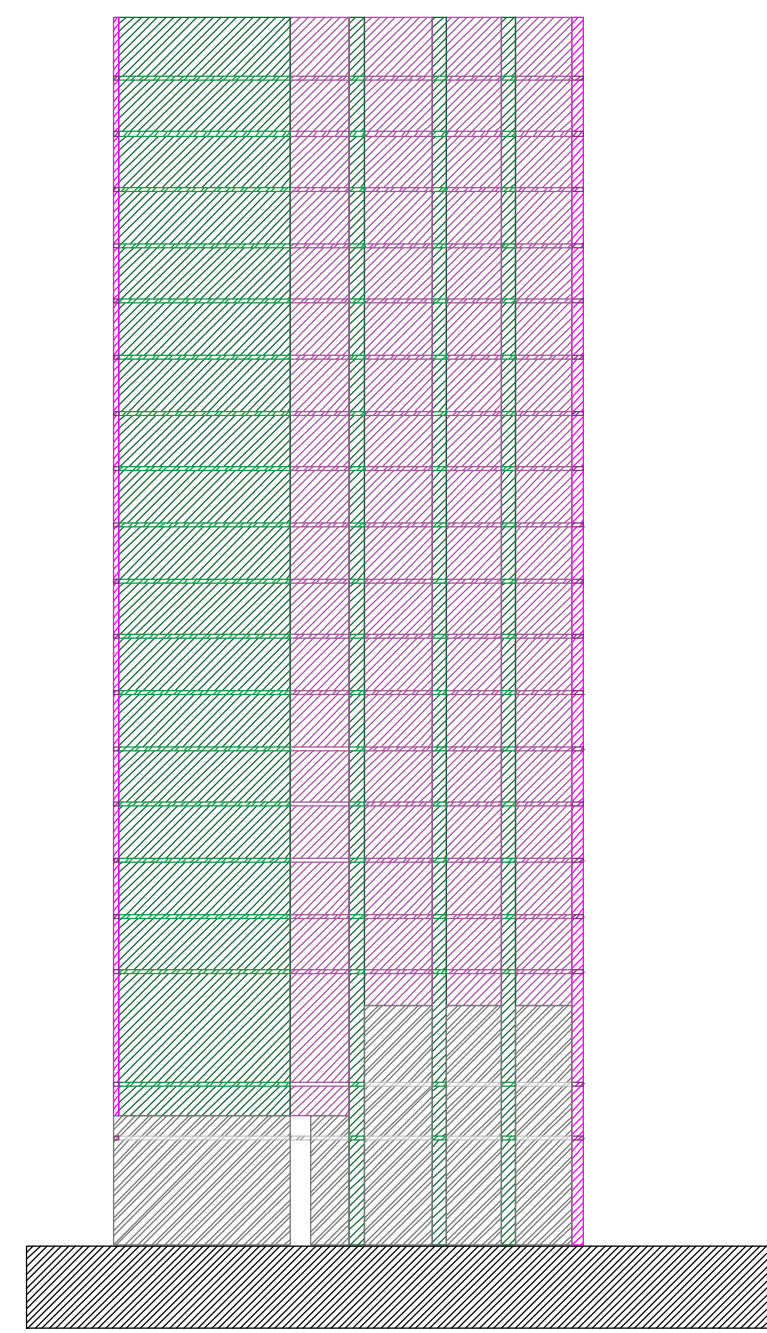
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291 LIVINGSTON STREET
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8TH-21ST FLOOR
 EGRESS & OCCUPANCY PLAN

SEAL & SIGNATURE

DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER:
EG-102.01
 PAGE #



- WALL TYPE 2 602.7 SF
SLAB EDGE 37.2 SF
- WALL TYPE 4 6736.6 SF
SLAB EDGE 432 SF
- WALL TYPE 5 6729.5 SF
SLAB EDGE 434.7 SF
- WALL TYPE 7 1980.5 SF
SLAB EDGE 65.5 SF
- WALL TYPE 8 1723 SF

- WALL TYPE 1 2815 SF
WINDOW OPERABLE 1550.65 SF
STOREFRONT 238.33 SF
SLAB EDGE 176 SF
- WALL TYPE 2 1155 SF
SLAB EDGE 80 SF
- WALL TYPE 6 4151 SF
SLAB EDGE 266.7 SF
- WALL TYPE 8 625 SF

- WALL TYPE 2 348.16
SLAB EDGE 28 SF
- WALL TYPE 4 6830 SF
SLAB EDGE 478 SF
- WALL TYPE 5 3127.45 SF
SLAB EDGE 203.6 SF
- WALL TYPE 6 6810 SF
SLAB EDGE 463 SF
- WALL TYPE 7 1087 SF
SLAB EDGE 42 SF
- WALL TYPE 8 1723 SF

- WALL TYPE 1 6025 SF
OPERABLE WINDOWS 3121.2
DOOR 103
SLAB EDGE 391 SF
- WALL TYPE 2 2051
SLAB EDGE 133 SF
- WALL TYPE 8 625 SF

FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/FT ²)	TEST PROCEDURE
Windows	0.20 ^a	AAMA/WDMA/CSA101/ I.S.2/A440 or NFRC 400
Sliding doors	0.20 ^a	
Swinging doors	0.20 ^a	
Skylights - with condensation weepage openings	0.30	
Skylights - all others	0.20 ^a	
Curtain walls	0.06	NFRC 400 or ASTM E 283 at 1.57 psf (75 Pa)
Storefront glazing	0.06	
Commercial glazed swinging entrance doors	1.00	
Revolving doors	1.00	ANSI/DASMA 105, NFRC 400, or ASTM E 283 at 1.57 psf (75 Pa)
Garage doors	0.40	
Rolling doors	1.00	

For Sl: 1 cubic foot per minute = 0.47l/s, 1 square foot = 0.093 m².
 a. The maximum rate for windows, sliding and swinging doors, and skylights is permitted to be 0.3 cfm per square foot of fenestration or door area when tested in accordance with AAMA/WDMA/CSA101/I.S.2/A440 at 6.24 psf (300 Pa).

NOTE:
DRAWINGS TO COMPLY WITH MANDATORY PROVISIONS OF SECTION C402.5 FOR AIR LEAKAGE.

NOTE:
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH THE '2016 NEW YORK CITY ENERGY CONSERVATION CODE', CHAPTER C4.

NOTE:
MECHANICAL EQUIPMENT PENETRATIONS LISTED IN TABLE C403.2.3 NOT APPLICABLE IN THIS PROJECT

- WALL TYPE 1 BRICK/STUD
- WALL TYPE 2 BRICK/CONCRETE
- WALL TYPE 4 STUCCO/STUDS
- WALL TYPE 5 STUCCO/CONCRETE/FURRING
- WALL TYPE 6 STUCCO/CONCRETE W/O FURRING
- WALL TYPE 7 INSULATION /CMU
- WALL TYPE 8 BASEMENT WALL

Progress Inspections For Energy Code Compliance - Commercial Buildings

291 Livingston	Inspection Test	Frequency (minimum)	Reference Standard (see ECC Chapter 6 or Other Criteria) 1RCNY-5000-01(h)(2)	ECC or Other Citation
IA1, IA1	Protection of exposed foundation insulation	As required during foundation work and prior to backfill	Approved construction documents	C303.2.1; ASHRAE 90.1-5.8.1.7
IA2, IA2	Insulation placement and R-values	As required to verify continuous enclosure while walls, ceilings and floor are open	Approved construction documents	C303.1, C303.1.1, 303.1.2, 402.1, 402.2; ASHRAE 90.1-5.5, 5.6 or 11; 5.8.1
IA3, IA3	Fenestration U-factor and product ratings	As required during installation	Approved construction documents; NFRC 100, NFRC 200	C303.1, C303.1.3, C402.4; ASHRAE 90.1-5.5; 5.6 or 11; 5.8.2
IA4, IA4	Fenestration air leakage	As required during installation; prior to final construction inspection	NFRC 400, AAMA/WDMA/CSA 101/ I.S.2/A400 ASTM E283; ANSI/DASMA 105	C402.5.2; ASHRAE 90.1 - 5.4.3.2
IA5, IA5	Fenestration areas	Prior to final construction inspection	Approved construction documents	C402.4; ASHRAE 90.1 - 5.4.2, 5.6 or 11
IA6, IA6	Air sealing and insulation - visual inspections	As required during construction	Approved construction documents; ASTM E2178, ASTM E2357, ASTM E1677, ASTM E779, ASTM E283.	C402.5; ASHRAE 90.1 - 5.4.3.1
IA7, IA7	Air sealing and insulation - testing	As required during construction, or prior to final inspection	Approved construction documents; ASTM E 779	C402.5; ASHRAE 90.1 - 5.4.3.1
IA9	Vestibules	Prior to final construction inspection	Approved construction documents	C402.5.7; ASHRAE 90.1 - 5.4.3.4
IB2, IB2	Shutoff dampers	As required during installation	Approved construction documents; AMCA 500D	C403.2.4.3; ASHRAE 90.1 - 6.4.3.4
IB3, IB3	HVAC-R and service water heating equipment	Prior to final plumbing and construction inspection	Approved construction documents, ASHRAE 183, ASHRAE HVAC Systems and Equipment Handbook	C403.2, C404.2, C404.5, C404.9, C406.2; ASHRAE 90.1 - 6.3, 6.4.1, 6.4.2, 6.4.5, 6.4.6, 6.5.11, 6.8, 7.4, 7.8
IB4, IB4	HVAC and service water heating system controls & Controls with seasonally dependent functionality	After installation and prior to final electrical and construction inspection, except that for controls with seasonally dependent functionality, such testing shall be performed before sign-off issuance of a Final Certificate of Occupancy	Approved construction documents, including control system narratives; ASHRAE Guideline 1: The HVAC Commissioning Process where applicable	C403.2, C403.3, C403.4, C403.5, C404.6, C404.7, C404.9; ASHRAE 90.1 - 6.3, 6.4, 6.5, 6.6, 7.4.4, 7.4.5
IB5, IB5	HVAC-R insulation and sealing	After installation and prior to closing shafts, ceilings and walls	Approved construction documents; SMACNA Duct Construction Standards, Metal and Flexible	C403.2.9, C403.2.10, C404.4, MC 603.9; ASHRAE 90.1 - 6.3, 6.4.4, 6.8.2, 6.8.3; 7.4.3
IB6, IB6	Duct leakage testing	After installation and sealing and prior to closing shafts, ceilings and walls.	Approved construction documents; SMACNA HVAC Air Duct Leakage Test Manual	C403.2.9.1.3; ASHRAE 90.1 - 6.4.4.2.2
IC1, IC1	Electrical energy consumption	Prior to final electrical and construction inspection	Approved construction documents	C405.6; ASHRAE 90.1 - 8.4.3, 8.4.5, 10.4.5
IC2, IC3	Interior lighting power	Prior to final electrical and construction inspection	Approved construction documents	C405.4.2, C405.9.1, C406.3; ASHRAE 90.1-9.1, 9.2, 9.5, 9.6; 1RCNY §101-07(c)(3)(v)(C)4
IC4	Exterior lighting power	Prior to final electrical and construction inspection	Approved construction documents	C405.5; ASHRAE 90.1 - 9.4.3; 1RCNY §101-07(c)(3)(v)(C)4
IC5	Lighting controls	Prior to final electrical and construction inspection	Approved construction documents, including control system narratives	C402.4.2.1, C405.2; ASHRAE 90.1 - 9.4.1
IC6	Electric motors (including but not limited to fan motors)	Prior to final electrical and construction inspection	Approved construction documents	C403.2.12, C405.8; ASHRAE 90.1 - 10.4
ID1, ID1	Maintenance information	Prior to sign-off or issuance of Final Certificate of Occupancy	Approved construction documents, including electrical drawings where applicable; ASHRAE Guideline 4: Preparation of Operating and Maintenance Documentation for Building Systems	C303.3, C408.2.5.2; ASHRAE 90.1 - 4.2.2.3, 6.7.2.2, 8.7.2, 9.7.2.2

WALL TYPE	SF	R VALUE		U-FACTOR	SHGC	DWG LOCATION	DESCRIPTION
		CAVITY	CONTINUOUS				
1	8,840.00	21	17.4	-	-	1/A-500.00	BRICK ON STUD
OPERABLE WINDOW	4,071.80			0.42	0.40		
SLAB EDGE	567.00	-	17.4				
2	4,156.86	6.4	11.4	-	-	3/A-502.00	BRICK ON SHEAR WALL W/FURRING
SLAB EDGE	278.20	-	11.4	-	-		
4	13,566.60	21	11.4	-	-	2/A-500.00	STUCCO ON STUD
SLAB EDGE	910.00	-	11.4	-	-		
5	9,856.95	6.4	11.4	-	-	3/A-500.00	STUCCO ON SHEAR WALL W FURRING
SLAB EDGE	638.30	-	11.4	-	-		
6	10,961.00	-	11.4	-	-	3/A-501.00	STUCCO CONCRETE W/O FURRING
SLAB EDGE	729.70	-	11.4	-	-		
7	3,067.50	6.4	11.4	-	-	1/A-501.00	INSULATION ON CMU
SLAB EDGE	107.50	-	11.4	-	-		
8	4,697.80	-	13	-	-		BASEMENT WALL
ROOF	1,547.00	-	26	-	-	2/A-503.00	ROOF

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09	10/19/2018	ISSUED ADDENDUM #1
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
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DATE	DESCRIPTION
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MEP ENGINEER

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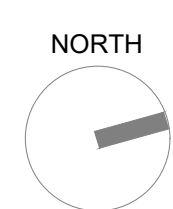
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

THERMAL BOUNDARY DIAGRAM

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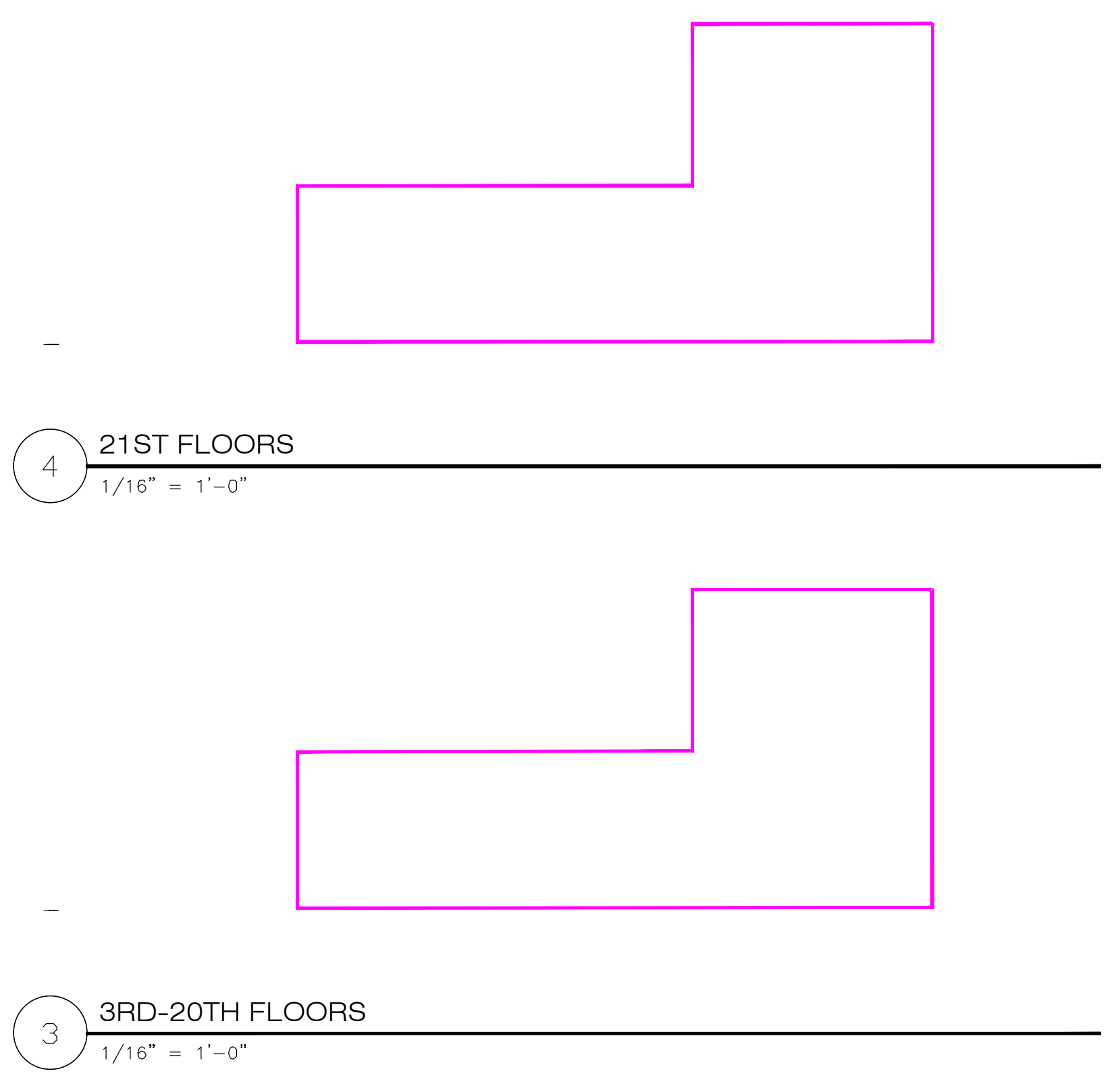


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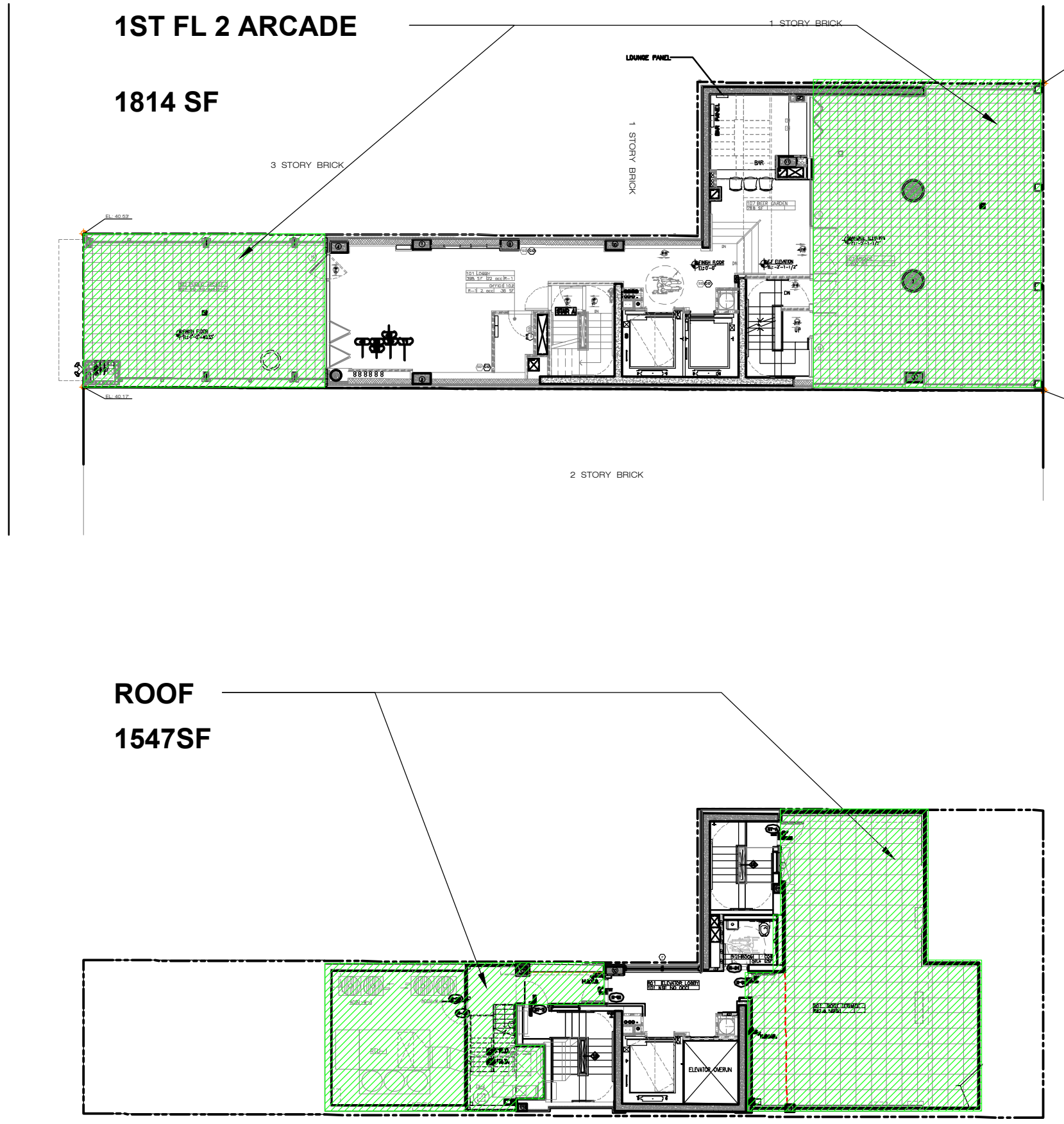
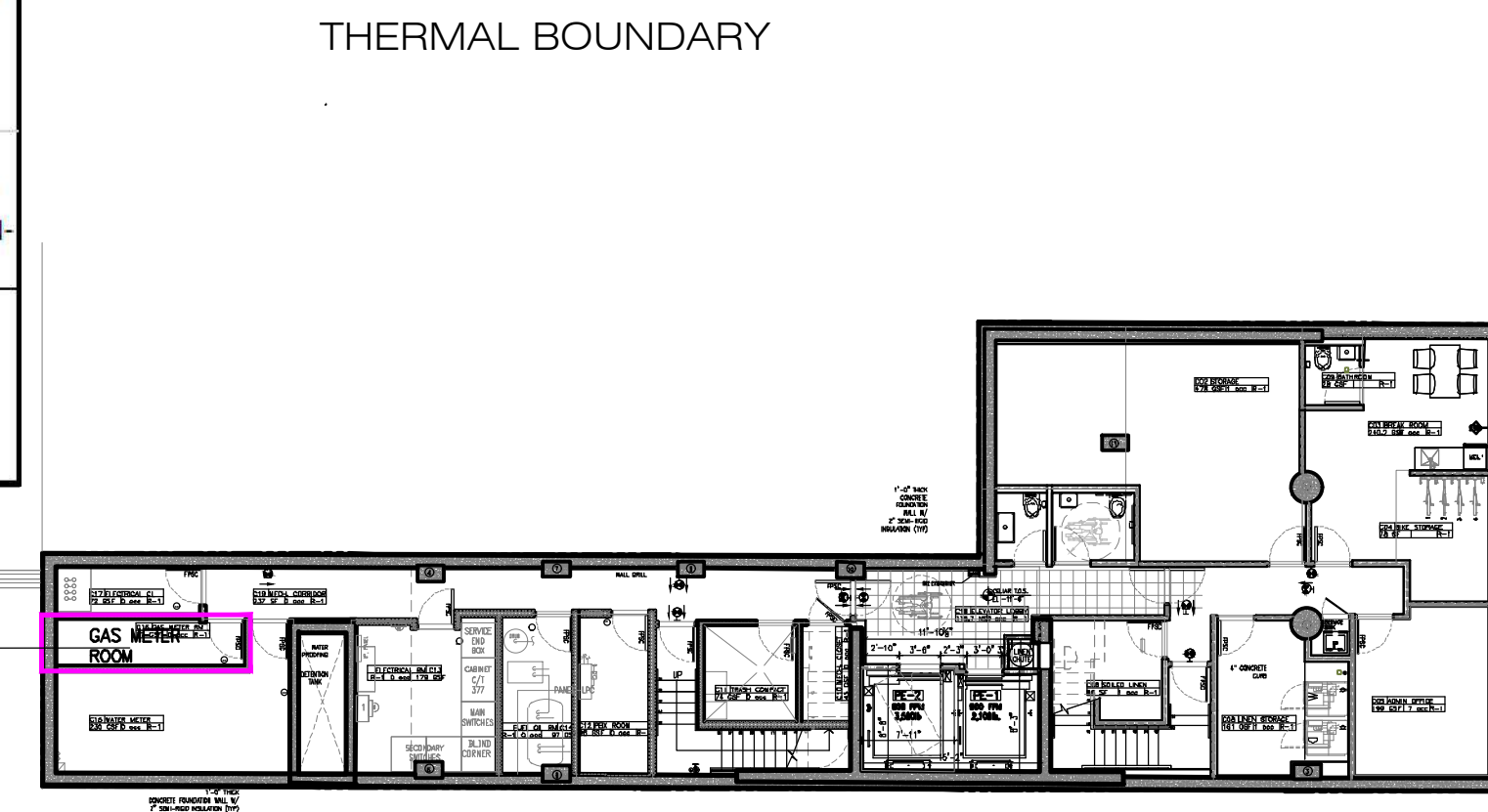
FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/FT ²)	TEST PROCEDURE
Windows	0.20 ^a	AAMA/WDMA/CSA101/ I.S.2/A440 or NFRC 400
Sliding doors	0.20 ^a	
Swinging doors	0.20 ^a	
Skylights - with condensation weepage openings	0.30	
Skylights - all others	0.20 ^a	NFRC 400 or ASTM E 283 at 1.57 psf (75 Pa)
Curtain walls	0.06	
Storefront glazing	0.06	
Commercial glazed swinging entrance doors	1.00	ANSI/DASMA 105, NFRC 400, or ASTM E 283 at 1.57 psf (75 Pa)
Revolving doors	1.00	
Garage doors	0.40	
Rolling doors	1.00	

For SI: 1 cubic foot per minute = 0.47 U/s, 1 square foot = 0.093 m².
 a. The maximum rate for windows, sliding and swinging doors, and skylights is permitted to be 0.3 cfm per square foot of fenestration or door area when tested in accordance with AAMA/WDMA/CSA101/I.S.2/A440 at 6.24 psf (300 Pa).



UNCONDITIONED SPACE ENVELOPE COMPONENT	R-VALUE	U-VALUE	AIR-INFILTRATION IN CFM/FT ²	NOTES
WALLS BETWEEN CONDITIONED AND UNCONDITIONED SPACE - 2 INCHES POLYISO. INSULATION	13.00	0.08	0.04	ASSEMBLIES OF MATERIALS AND COMPONENTS SHALL HAVE AN AVERAGE AIR LEAKAGE OF NOT GREATER THAN 0.04 CFM/FT ² WHEN TESTED ACCORDING TO ASTM E2357, E1677 OR E283
CEILING - 2 INCHES POLYISO. INSULATION	13.00	0.08	0.04	AIR BARRIERS TESTED IN ACCORDANCE WITH ASTM E779 AT A PRESSURE DIFFERENTIAL OF 0.3 INCH WATER GAUGE, SEE AIR BARRIER SHEETS EN-113-4
ENTRANCE DOOR		0.77	0.2	MUST COMPLY WITH TABLE C402.5.2 ON NYC ENERGY CONSERVATION CONSTRUCTION CODE. (MAY BE 0.3 CFM/FT ² WHEN TESTED IN ACCORDANCE WITH AAMA/WDMA/CSA101/I.S.2/A440 AT 6.24 PSF

NOTE: GAS METER ROOM IS DIRECTLY VENTED OUTSIDE WITHOUT ANY DAMPER. VENTILATION DUCT HAS 2 HOUR RATED ENCLOSURE AND 1" THERMAL INSULATION OUTSIDE THE BUILDING. SEE MECHANICAL DRAWINGS FOR REFERENCE.



NOTE: MECHANICAL EQUIPMENT PENETRATIONS LISTED IN TABLE C403.2.3 NOT APPLICABLE IN THIS PROJECT

NOTE: DRAWINGS TO COMPLY WITH MANDATORY PROVISIONS OF SECTION C402.5 FOR AIR LEAKAGE.

NOTE: TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH THE "2016 NEW YORK CITY ENERGY CONSERVATION CODE", CHAPTER C4.

LEGEND:
UN-CONDITIONED FA

DATE	DESCRIPTION
09/10/2018	ISSUED ADDENDUM #1
08/06/2018	ISSUED TO DOB
07/03/2018	ISSUED 100% CD
06/11/2017	ISSUED FOR DOB
05/11/2017	ISSUED FOR BID SET
04/10/2017	ISSUED FOR DOB
03/10/2017	ISSUED FOR MODULAR
02/08/2017	ISSUED TO DOB
01/06/2017	ISSUED TO DOB

ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

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79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

THERMAL BOUNDARY DIAGRAMS

SEAL & SIGNATURE: [Signature]

DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER: EN-102.00
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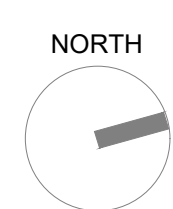






TABLE C402.5.2 MAXIMUM AIR INFILTRATION RATE FOR FENESTRATION ASSEMBLIES		
FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/FT ²)	TEST PROCEDURE
Windows	0.20 ^a	AAMA/WDMA/CSA101/ I.S.2/A440 or NFRC 400
Sliding doors	0.20 ^a	
Swinging doors	0.20 ^a	
Skylights - with condensation weepage openings	0.30	
Skylights - all others	0.20 ^a	
Curtain walls	0.06	NFRC 400 or ASTM E 283 at 1.57 psf (75 Pa)
Storefront glazing	0.06	
Commercial glazed swinging entrance doors	1.00	
Revolving doors	1.00	ANSI/DASMA 105, NFRC 400, or ASTM E 283 at 1.57 psf (75 Pa)
Garage doors	0.40	
Rolling doors	1.00	
High-speed doors	1.30	

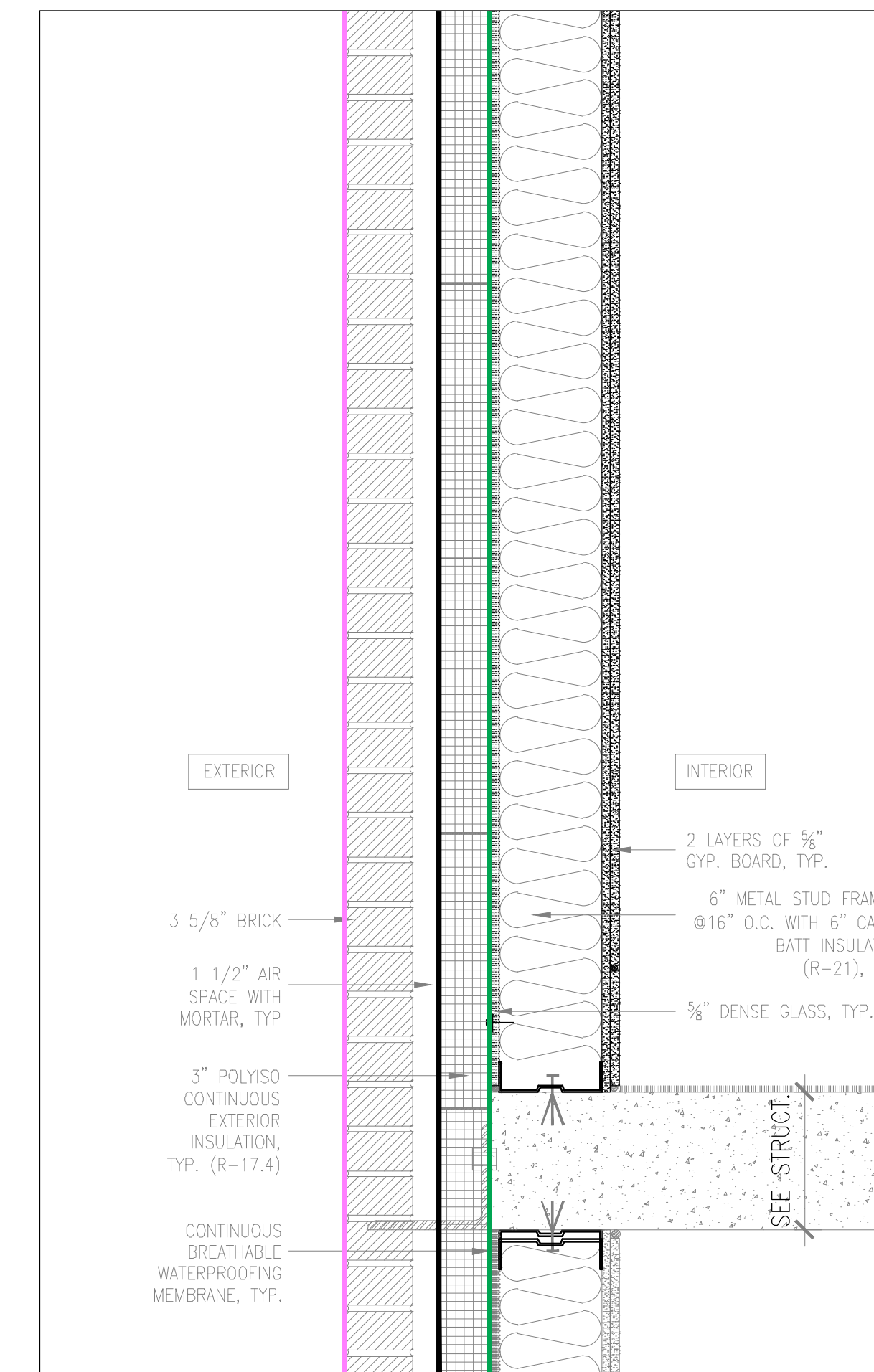
For SI: 1 cubic foot per minute = 0.47 l/s, 1 square foot = 0.093 m².
 a. The maximum rate for windows, sliding and swinging doors, and skylights is permitted to be 0.3 cfm per square foot of fenestration or door area when tested in accordance with AAMA/WDMA/CSA101/I.S.2/A440 at 6.24 psf (300 Pa).

NOTE:
 DRAWINGS TO COMPLY WITH MANDATORY PROVISIONS OF SECTION C402.5 FOR AIR LEAKAGE.

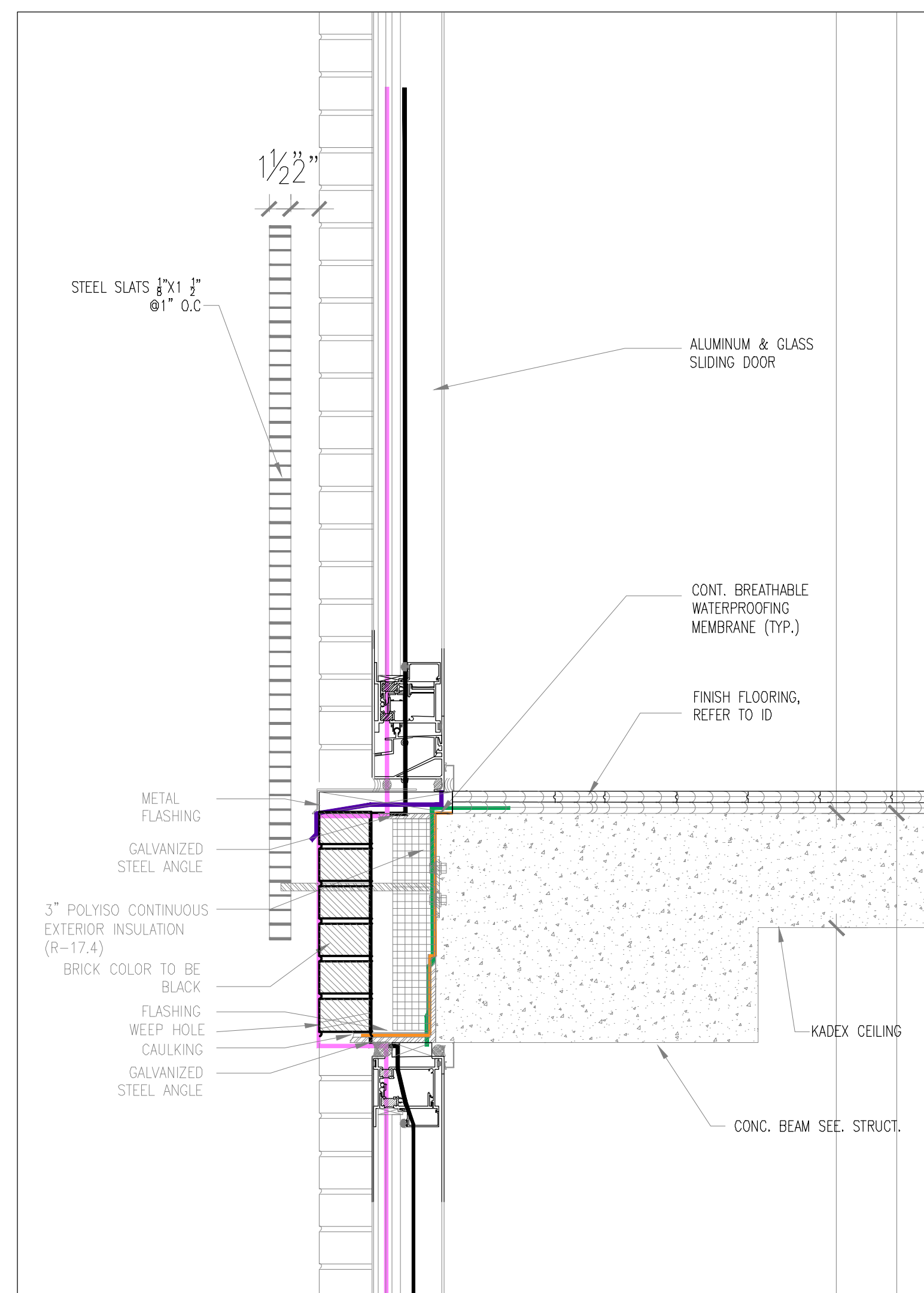
NOTE:
 TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH THE 2016 NYCECC. CHAPTER C4

LEGEND:

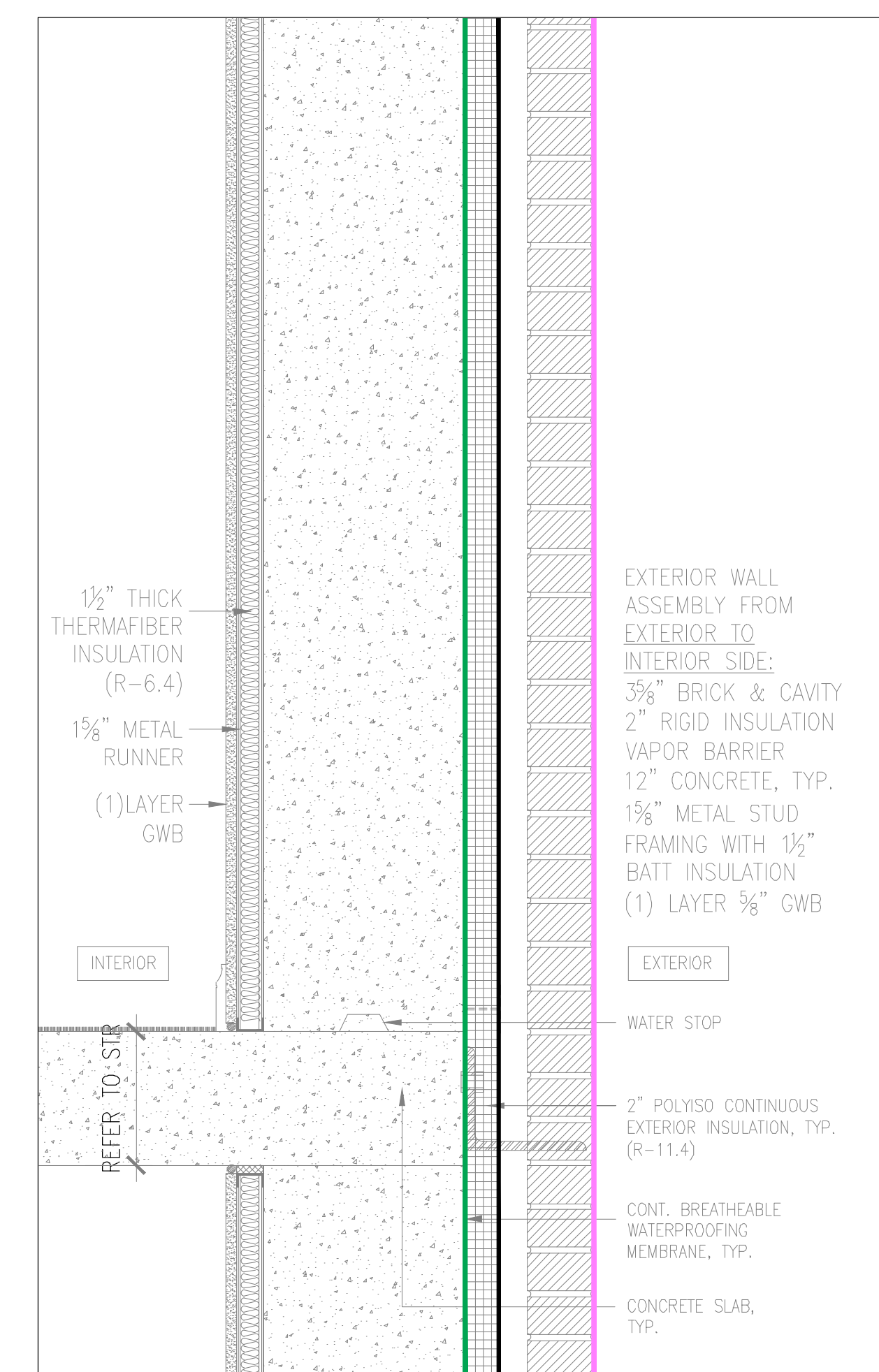
-  PRIMARY WATER BARRIER
-  SECONDARY WATER BARRIER
-  AIR BARRIER
-  THERMAL BARRIER



TYPICAL STUD WALL CONDITION



TYPICAL CONDITION @ WINDOW



TYPICAL SHEAR WALL CONDITION

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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09	10/19/2018	ISSUED ADDENDUM #1
08	06/22/2018	ISSUED TO DOB
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03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
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DATE	DESCRIPTION
ISSUED DRAWINGS	



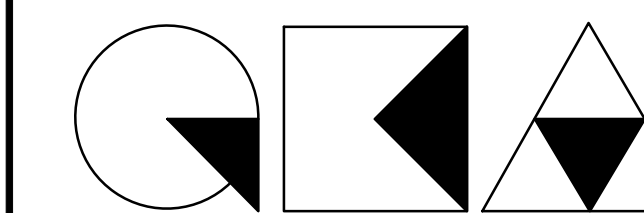
STRUCTURAL ENGINEER



MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL



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AIR BARRIER CONTINUITY PLAN

SEAL & SIGNATURE



DATE: 5/11/2017

SCALE: AS NOTED

DRAWING NUMBER:

EN-104.00





PAGE #

TABLE C402.5.2 MAXIMUM AIR INFILTRATION RATE FOR FENESTRATION ASSEMBLIES		
FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/FT ²)	TEST PROCEDURE
Windows	0.20 ^a	AAMA/WDMA/CSA101/ I.S.2/A440 or NFRC 400
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Garage doors	0.40	ANSI/DASMA 105, NFRC 400, or ASTM E 283 at 1.57 psf (75 Pa)
Rolling doors	1.00	
High-speed doors	1.30	

For SI: 1 cubic foot per minute = 0.471/s, 1 square foot = 0.093 m².
a. The maximum rate for windows, sliding and swinging doors, and skylights is permitted to be 0.3 cfm per square foot of fenestration or door area when tested in accordance with AAMA/WDMA/CSA101/I.S.2/A440 at 6.24 psf (300 Pa).

NOTE:
- DRAWINGS TO COMPLY WITH MANDATORY PROVISIONS OF SECTION C402.5 FOR AIR LEAKAGE.
- TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH THE NEW YORK CITY 2016 ENERGY CONSERVATION CONSTRUCTION CODE (NYCECC)

LEGEND:

-  PRIMARY WATER BARRIER
-  SECONDARY WATER BARRIER
-  AIR BARRIER
-  THERMAL BARRIER

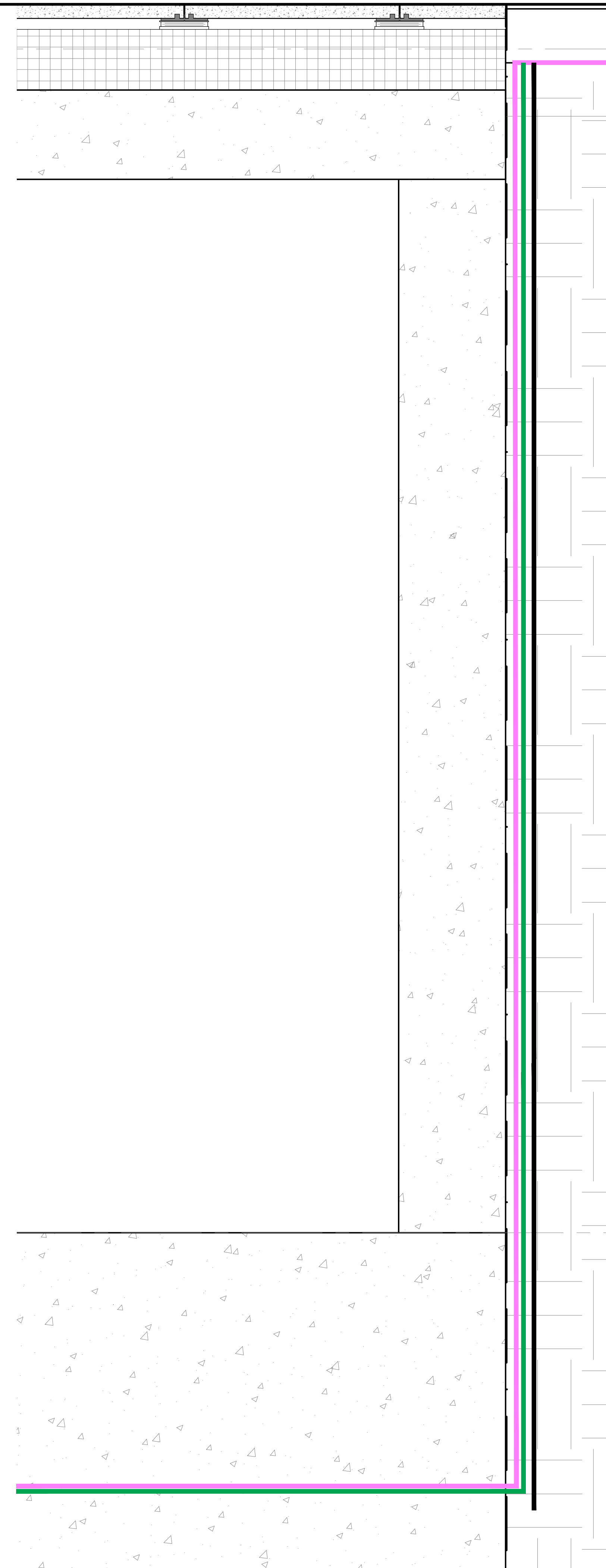
Air Barrier Continuity

General Notes

- A continuous air barrier shall be provided throughout the building thermal envelope.
- The continuous air barrier shall be constructed such that the air barrier shall be continuous for all assemblies that are the thermal envelope of the building and across the joints and assemblies.
- Air barrier joints and seams shall be sealed, including sealing transitions in places and changes in materials. The joints and seals shall be securely installed in or on the joint for its entire length so as not to dislodge, loosen or otherwise impair its ability to resist positive and negative pressure from wind, stack effect and mechanical ventilation.
- Penetrations of the air barrier shall be caulked, gasketed, or otherwise sealed in a manner compatible with the construction materials and location. Joints and seals associated with penetrations shall be sealed in the same manner or taped or covered with moisture vapor-permeable wrapping material. Sealing materials shall be appropriate to the construction materials being sealed and shall be securely installed around the penetration so as not to dislodge, loosen or otherwise impair the penetrations' ability to resist positive and negative pressure from wind, stack effect and mechanical ventilation. Sealing of concealed fire sprinklers, where required, shall be in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.
- Air barrier materials shall have an air permeability not greater than 0.004 cfm/ft² (0.02 L/s * m²) under a pressure differential of 0.3 inch water gauge (75 Pa) when tested in accordance with ASTM E 2178. Materials outlined in C402.5.1.2.1 shall be deemed to comply, provided joints are sealed and materials are installed as air barriers in accordance with the manufacturer's instructions.
- The air leakage of fenestration assemblies shall meet the provisions of Table C402.5.2, see above. Testing shall be in accordance with the applicable reference test standard in Table C402.5.2 by an accredited, independent testing laboratory and labeled by the manufacturer.
- Outdoor air intake and exhaust openings and stairway and shaft vents shall be provided with Class I motorized dampers. The dampers shall have an air leakage rate not greater than 4 cfm/ft² (20.3 L/s * m²) of damper surface area 1.0 inch water gauge (249 Pa) and shall be labeled by an approved agency when tested in accordance with AMCA 500D for such purpose. Outdoor air intake and exhaust dampers shall be installed with automatic controls configured to close when the systems or spaces served are not in use or during unoccupied period warm-up and setback operation, unless the systems served require outdoor or exhaust air in accordance with the New York City Mechanical Code or the dampers are opened to provide intentional economizer cooling. Stairway and shaft vent dampers shall be installed with automatic controls configured to open upon the activation of any fire alarm initiating device of the building's fire alarm system or the interruption of power to the damper.
- Recessed luminaires installed in the building thermal envelope shall be IC-rated, labeled as having an air leakage rate of not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E 283 at a 1.57 psf (75 Pa) pressure differential, and sealed with a gasket or caulk between the housing and interior wall or ceiling covering.

Air Barrier Application

- Sealant materials shall be compatible with all substrate materials.
- Masonry & concrete wall preparation: ensure gaps are filled, joints struck, CMU or concrete is dry, and all snags are gone prior to application of air barrier.
- General Coverage (Liquid Membrane): Verify proper thickness of liquid-applied membranes using a wet mil gauge.
- General Coverage & Transition Membrane Seams: Transition membranes shall be installed and sealed before insulation is installed on top. Seams shall be sealed with mastic type liquid membrane or with compatible sealant.
- Air Barrier Penetrations: Air barrier penetrations shall be sealed with sealants compatible with all surfaces. Transition membranes shall be used to patch as necessary with seams sealed appropriately.
- Rough Openings - Windows and Doors: Liquid flashing membrane shall wrap in at rough openings to be flush with inside edge of window or door frame. Sheet membrane can be used as alternative as long as it is clear the air barrier is continuous and any gaps are sealed with back rod as necessary and sealant compatible with all surfaces.
- Rough Openings - Pipes, Conduits, Ducts, Etc: Gaps shall be filled with backer rod as necessary and sealant compatible with all surfaces. Where smooth surfaces are present, mechanical gasket seals to be used.
- Rough Openings - Gap at Window Frames: Gaps between window frame (header, jambs, sill) and rough opening shall be sealed on the interior with backer rod as necessary and sealant that is compatible with all surfaces.
- Rough Openings - Gap at Exterior Door Frames: Gaps between door frame (header, jambs, threshold) and rough opening shall be sealed on the interior with backer rod as necessary and sealant that is compatible with all surfaces.
- Slab Edges (Steel Stud Construction) - At slab / exterior sheathing joint: Transition membranes must be installed to span the sheathing / slab edge joint. Transition membrane shall extend a minimum of 3" on each adjacent surface or per manufacturer's instructions. Termination seams must be sealed with compatible sealant
- Slab Edges (CMU / Concrete Construction) - At slab / CMU joint: Transition membranes must be installed to span the CMU / slab edge joint. Transition membrane shall extend a minimum of 3" on each adjacent surface or per manufacturer's instructions. Termination seams must be sealed with compatible sealant
- Below Grade to Above Grade Connections: Installation must be continuous such that the below grade waterproofing and above grade air barrier intersect.
- Wall to Roof Connections: Installation must be continuous such that the above grade wall air barrier and roofing membrane intersect.
- All exterior doors to have mechanically fastened weatherstripping and door sweeps installed.

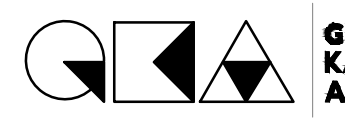
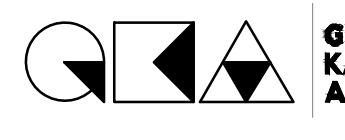


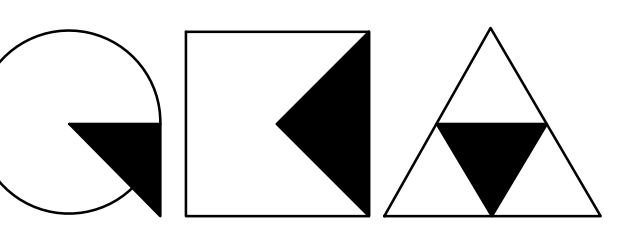
1 WALL TYPE 11
1-1/2"=1'-0"

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DATE	DESCRIPTION
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STRUCTURAL ENGINEER	
	GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700	
MEP ENGINEER	
JOB NUMBER	NB#321193230
EXAMINER SEAL	


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ENERGY ANALYSIS-
AIR BARRIER CONTINUITY

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	SCALE: AS NOTED
	DRAWING NUMBER:
	EN-105.00
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NOTE:
TO THE BEST OF MY KNOWLEDGE,
BELIEF AND PROFESSIONAL
JUDGEMENT, ALL WORK UNDER THIS
APPLICATION IS IN COMPLIANCE
WITH THE 2016 NYCECC.

COMcheck Software Version 4.0.8.2 Envelope Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: HOTEL
Location: New York, New York
Climate Zone: 4a
Project Type: New Construction
Vertical Glazing / Wall Area: 9%

Construction Site: 291 LIVINGSTON STREET
BROOKLYN, NY 11217
Owner/Agent: ABRAHAM LEIFER
AVIEW EQUITIES
1110 42ND STREET
BROOKLYN, NY 11219
(718)-438-6100
ALEIFER@AVIEWEQUITIES.COM
Designer/Contractor: Gene Kaufman
Gene Kaufman Architect PC
79 5th ave
18th Floor
New York, NY 10003
212-425-8700
Gene@gkpac.com

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Building Area	Floor Area
1-Hotel - Residential	38046

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor ^(a)
SLAB ON GRADE: Slab-On-Grade/Heated, Horizontal without vertical 2 ft., [Bldg. Use 1 - Hotel] (c)	125	---	11.4	1.257	0.860
MAIN Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Hotel]	1547	---	26.0	0.037	0.032
NORTH WALL TYPE 1, BRICK W/ STUDS: Steel-Framed, 16" o.c., [Bldg. Use 1 - Hotel]	6025	21.0	17.4	0.037	0.064
Operable Window: Metal Frame with Thermal Break/Operable, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	3121	---	---	0.420	0.450
Door: Glass (> 50% glazing)/Metal Frame, Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	103	---	---	0.770	0.770
SLAB EDGE_1: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	391	---	17.4	0.050	0.090
WALL TYPE 2, BRICK W/ CONCRETE: Solid Concrete:12" Thickness, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	2051	6.4	11.4	0.059	0.090
SLAB EDGE_2: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	133	---	11.4	0.071	0.090
BASEMENT WALL: Solid Concrete:12" Thickness, Medium Density, Furring: None, Wall Ht 10.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	625	---	13.0	0.066	0.108
EAST WALL TYPE 2, BRICK W/ CONCRETE: Solid Concrete:12" Thickness, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	348	6.4	11.4	0.059	0.090
SLAB EDGE_2: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	28	---	11.4	0.071	0.090

Project Title: HOTEL
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 livingston Page 1 of 12
COMcheck_Grove as a street.cck Report date: 08/10/18

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor ^(a)
Furring: None, [Bldg. Use 1 - Hotel]					
WALL TYPE 4, STUCCO W/ STUDS: Steel-Framed, 16" o.c., [Bldg. Use 1 - Hotel]	6830	21.0	11.4	0.048	0.064
SLAB EDGE_4: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	478	---	11.4	0.071	0.090
WALL TYPE 5, STUCCO W/ CONCRETE: Solid Concrete:12" Thickness, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	3127	6.4	11.4	0.059	0.090
SLAB EDGE_5: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	204	---	11.4	0.071	0.090
WALL TYPE 6, STUCCO W/ CONCRETE W/O FURRING: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	6810	---	11.4	0.071	0.090
SLAB EDGE_6: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	463	---	11.4	0.071	0.090
WALL TYPE 7, STUCCO W/ CMU: Concrete Block 6", Partially Grouted, Cells Empty, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	1087	6.4	11.4	0.060	0.090
SLAB EDGE_7: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	42	---	11.4	0.071	0.090
Basement Wall: Solid Concrete:12" Thickness, Medium Density, Furring: None, Wall Ht 10.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	1723	---	13.0	0.066	0.108
SOUTH WALL TYPE 1, BRICK W/ STUDS: Steel-Framed, 16" o.c., [Bldg. Use 1 - Hotel]	2815	21.0	17.4	0.037	0.064
Operable Window: Metal Frame with Thermal Break/Operable, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	1551	---	---	0.420	0.450
Storefront: Glass (> 50% glazing)/Metal Frame, Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	238	---	---	0.770	0.770
SLAB EDGE_1: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	176	---	17.4	0.050	0.090
WALL TYPE 2, BRICK W/ CONCRETE: Solid Concrete:12" Thickness, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	1155	6.4	11.4	0.059	0.090
SLAB EDGE_2: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	80	---	11.4	0.071	0.090
WALL TYPE 6, STUCCO/ CONCRETE W/O FURRING: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	4151	---	11.4	0.071	0.090
SLAB EDGE_6: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	267	---	11.4	0.071	0.090
Basement Wall: Solid Concrete:12" Thickness, Medium Density, Furring: None, Wall Ht 10.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	625	---	13.0	0.066	0.108
WEST WALL TYPE 2, BRICK W/ CONCRETE: Solid Concrete:12" Thickness, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	603	6.4	11.4	0.059	0.090
SLAB EDGE_2: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	37	---	11.4	0.071	0.090
WALL TYPE 4, STUCCO W/ STUDS: Steel-Framed, 16" o.c., [Bldg. Use 1 - Hotel]	6737	21.0	11.4	0.048	0.064
SLAB EDGE_4: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	432	---	11.4	0.071	0.090
WALL TYPE 5, STUCCO W/ CONCRETE: Solid Concrete:12" Thickness, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	6727	6.4	11.4	0.059	0.090
SLAB EDGE_5: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	435	---	11.4	0.071	0.090
WALL TYPE 7, STUCCO W/ CMU: Concrete Block 6", Partially Grouted, Cells Empty, Medium Density, Furring: Metal, [Bldg. Use 1 - Hotel]	1981	6.4	11.4	0.060	0.090

Project Title: HOTEL
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 livingston Page 2 of 12
COMcheck_Grove as a street.cck Report date: 08/10/18

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor ^(a)
SLAB EDGE_7: Solid Concrete:12" Thickness, Medium Density, Furring: None, [Bldg. Use 1 - Hotel]	42	---	11.4	0.071	0.090
Basement Wall: Solid Concrete:12" Thickness, Medium Density, Furring: None, Wall Ht 10.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	1723	---	13.0	0.066	0.108

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 28% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COMcheck Version 4.0.8.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

GENE KAUFMAN
Name - Title Signature Date 08-10-2018



Project Title: HOTEL
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 livingston Page 3 of 12
COMcheck_Grove as a street.cck Report date: 08/10/18

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08	06/22/2018	ISSUED TO DOB
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02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS	DATE	DESCRIPTION
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 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER



GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER
 JOB NUMBER NB#321193230

EXAMINER SEAL


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BROOKLYN, NY 11217

ENERGY ANALYSIS

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: N/A
	DRAWING NUMBER: EN-106.00
	PAGE #

NOTE:
TO THE BEST OF MY KNOWLEDGE,
BELIEF AND PROFESSIONAL
JUDGEMENT, ALL WORK UNDER THIS
APPLICATION IS IN COMPLIANCE
WITH THE 2016 NYCECC.

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12] ²	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	Requirement will be met.
C303.1.3 [FR13] ¹	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	Requirement will be met.
C402.4.3 [FR10] ¹	Vertical fenestration SHGC value.	<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.
C402.4.3.4 [FR8] ¹	Vertical fenestration U-Factor.	<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.
C402.4.4 [FR14] ²	U-factor of opaque doors associated with the building thermal envelope meets requirements.	<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.
C402.5.1.2.1 [FR19] ¹	The building envelope contains a continuous air barrier that is sealed in an approved manner and material permeability <= 0.004 dfm/ft ² . Air barrier penetrations are sealed in an approved manner.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.5.2. C402.5.4 [FR18] ¹	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.5.7 [FR17] ¹	Vestibules are installed on all building entrances. Doors have self-closing devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Doors open directly from a space 1,000 ft ² in buildings >= 75 ft.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.5.5. C403.2.4.3 [ME3] ¹	Stair and elevator shaft vents have motorized dampers that automatically close.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.5.5. C403.2.4.3 [ME58] ¹	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: 291 Livingston Report date: 11/20/17
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C402.5.3 [F15] ¹	Where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening are located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms are sealed and insulated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement is not applicable.
C402.5.6 [F137] ¹	Weatherseals installed on all loading dock cargo doors.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.5.8 [F126] ¹	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.2.7 [F1100] ¹	Wood-burning fireplaces have tight fitting flue dampers and outdoor air for combustion.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement is not applicable.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: 291 Livingston Report date: 11/20/17
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Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3] ¹	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	Requirement will be met.
C303.1 [IN10] ²	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	Requirement will be met.
C303.2 [IN7] ¹	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	Requirement will be met.
C303.2.1 [IN14] ²	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	Requirement will be met.
C402.2.1 [IN17] ²	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.2.3 [IN6] ¹	Above-grade wall insulation R-value.	<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.
C402.2.6 [IN18] ²	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.4.2.2 [IN2] ¹	Roof R-value. For some ceiling systems, verification may need to occur during Framing Inspection.	<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.
C402.5.1.1 [IN1] ¹	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	Requirement will be met.
C402.5.1.3 [IN20] ¹	Air barrier testing: New buildings comply with following requirements: 1. New buildings 25,000 ft ² and greater, but less than 50,000 ft ² , and less than or equal to 75 feet in height show compliance through testing in accordance with ASTM E 779 and department rules. 2. New buildings 50,000 ft ² and greater, will test or inspect each type of unique air barrier joint or seam in the building envelope for continuity and defects, as per an Air Barrier Continuity Plan developed by a registered design professional and department rules. 3. Rules governing air barrier testing promulgated by the department.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: 291 Livingston Report date: 11/20/17
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10	10/19/2018	ISSUED ADDENDUM #1
09	08/28/2018	ISSUED TO DOB
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

 **GENE KAUFMAN ARCHITECT PC**
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

 **GENE KAUFMAN ARCHITECT PC**
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MEP ENGINEER


JOB NUMBER NB#321193230

EXAMINER SEAL

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291 LIVINGSTON STREET
BROOKLYN, NY 11217

ENERGY ANALYSIS

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APPLICATION IS IN COMPLIANCE
WITH THE 2016 NYCECC.

COMcheck Software Version 4.0.8.2 Interior Lighting Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: HOTEL
Project Type: New Construction

Construction Site:
291 LIVINGSTON STREET
BROOKLYN, NY 11217

Owner/Agent:
ABRAHAM LEIFER
AVIEW EQUITIES
1110 42ND STREET
BROOKLYN, NY 11219
(718)-438-6100
ALEIFER@AVIEWEQUITIES.COM

Designer/Contractor:
Gene Kaufman
Gene Kaufman Architect PC
79 5th ave
18th Floor
New York, NY 10003
212-625-8700
Gene@gkpac.com

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Hotel	38046	0.78	29790
Total Allowed Watts =			29790

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Hotel				
LT-100: Other:	1	100	58	5800
LT-100: LED MR 10W:	1	96	9	864
LT-101: LED MR 10W:	1	328	10	3280
LT-102: LED MR 10W:	1	157	10	1570
LT-104A: LED PAR 12W:	1	45	12	540
LT-104B: LED MR 6W:	1	55	6	330
LT-104C: LED PAR 18W:	1	70	18	1260
LT-104D: LED PAR 12W:	1	31	12	372
LT-105: 24" T8 17W: Electronic:	1	95	16	1520
LT-109: LED Undercabinet Unit 4W:	1	57	4	228
LT-111: 24" T8 17W: Electronic:	2	41	34	1394
LT-114: Twin Tube 13W: Electronic:	2	2	26	52
LT-116: Other:	1	1	300	300
LT-117: LED Other Fixture Unit 36W:	1	20	36	720
LT-118: Spiral 15W: Electronic:	1	9	14	126
LT-119A: LED PAR 20W:	1	3	20	60
LT-119B: LED PAR 15W:	1	4	15	60
LT-119C: LED MR 6W:	1	1	6	6
LT-124: LED MR 7W:	1	20	7	140

Project Title: HOTEL Report date: 06/22/18
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A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LT-125: LED MR 6W:	1	12	8	96
Total Tradable Proposed Watts =				500

Exterior Lighting PASSES: Design 48% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COMcheck Version 4.0.8.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

GENE KAUFMAN

Name - Title Signature Date 06-22-18

Project Title: HOTEL Report date: 06/22/18
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Total Proposed Watts = 18604

Interior Lighting PASSES: Design 38% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COMcheck Version 4.0.8.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

GENE KAUFMAN

Name - Title Signature Date 06-22-18

Project Title: HOTEL Report date: 06/22/18
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COMcheck Software Version 4.0.8.2 Mechanical Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: HOTEL
Location: New York, New York
Climate Zone: 4a
Project Type: New Construction

Construction Site:
291 LIVINGSTON STREET
BROOKLYN, NY 11217

Owner/Agent:
ABRAHAM LEIFER
AVIEW EQUITIES
1110 42ND STREET
BROOKLYN, NY 11219
(718)-438-6100
ALEIFER@AVIEWEQUITIES.COM

Designer/Contractor:
Gene Kaufman
Gene Kaufman Architect PC
79 5th ave
18th Floor
New York, NY 10003
212-625-8700
Gene@gkpac.com

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Mechanical Systems List

Quantity System Type & Description

- RTU-1 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 400 kBtu/h
Proposed Efficiency = 80.00% EI, Required Efficiency = 80.00% EI
Cooling: 1 each - Single Package DX Unit, Capacity = 272 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.07 EER, Required Efficiency: 9.80 EER + 11.4 IEER
Fan System: None
- EDH-1-1 (Single Zone):
Heating: 1 each - Duct Furnace, Electric, Capacity = 41 kBtu/h
No minimum efficiency requirement applies
Fan System: None
- EDH-1-2 (Single Zone):
Heating: 1 each - Duct Furnace, Electric, Capacity = 68 kBtu/h
No minimum efficiency requirement applies
Fan System: None
- EDH-1-3 (Single Zone):
Heating: 1 each - Duct Furnace, Electric, Capacity = 17 kBtu/h
No minimum efficiency requirement applies
Fan System: None
- HP-C-1 (Single Zone):
VRF, Air Cooled Heat Pump
Heating Mode: Capacity = 20 kBtu/h,
Proposed Efficiency = 8.10 HSPF, Required Efficiency = 7.70 HSPF
Cooling Mode: Capacity = 18 kBtu/h,
Proposed Efficiency = 13.20 SEER, Required Efficiency: 13.00 SEER
Fan System: None
- HP-C-2.3 (Single Zone):
VRF, Air Cooled Heat Pump
Heating Mode: Capacity = 27 kBtu/h,
Proposed Efficiency = 8.10 HSPF, Required Efficiency = 7.70 HSPF
Cooling Mode: Capacity = 24 kBtu/h,
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Fan System: None

Project Title: HOTEL Report date: 06/22/18
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COMcheck Software Version 4.0.8.2 Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: HOTEL
Project Type: New Construction
Exterior Lighting Zone: 2 (Residentially zoned area)

Construction Site:
291 LIVINGSTON STREET
BROOKLYN, NY 11217

Owner/Agent:
ABRAHAM LEIFER
AVIEW EQUITIES
1110 42ND STREET
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Designer/Contractor:
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Gene Kaufman Architect PC
79 5th ave
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New York, NY 10003
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Gene@gkpac.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
ROOF (Illuminated area of facade wall or surface)	1120 ft ²	0.1	No	112
BOILER ROOM (Illuminated area of facade wall or surface)	120 ft ²	0.1	No	12
EMR (Illuminated area of facade wall or surface)	120 ft ²	0.1	No	12
1ST (Entry canopy)	1600 ft ²	0.25	Yes	400
1ST (Free standing/attached sales canopy)	627 ft ²	0.6	Yes	376
Total Tradable Watts (a) =				776
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
ROOF (Illuminated area of facade wall or surface 1120 ft²): Non-tradable Wattage				
LT-106: LED Other Fixture Unit 25W:	1	20	23	460
BOILER ROOM (Illuminated area of facade wall or surface 120 ft²): Non-tradable Wattage				
LT-106: LED Other Fixture Unit 25W:	1	2	23	46
EMR (Illuminated area of facade wall or surface 120 ft²): Non-tradable Wattage				
LT-106: LED Other Fixture Unit 25W:	1	2	23	46
1ST (Entry canopy 1600 ft²): Tradable Wattage				
LT-120: Other:	1	4	21	84
LT-121A: Other:	1	3	23	69
LT-121B: Other:	1	3	23	69
LT-122: LED PAR 13W:	1	14	13	182
1ST (Free standing/attached sales canopy 627 ft²): Tradable Wattage				

Project Title: HOTEL Report date: 06/22/18
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Quantity System Type & Description

- Proposed Efficiency = 13.20 SEER, Required Efficiency: 13.00 SEER
Fan System: None
- HP-1-1 (Single Zone):
VRF, Air Cooled Heat Pump
Heating Mode: Capacity = 54 kBtu/h,
Proposed Efficiency = 8.10 HSPF, Required Efficiency = 7.70 HSPF
Cooling Mode: Capacity = 60 kBtu/h,
Proposed Efficiency = 13.20 SEER, Required Efficiency: 13.00 SEER
Fan System: None
 - HP-1-2 (Single Zone):
VRF, Air Cooled Heat Pump
Heating Mode: Capacity = 80 kBtu/h,
Proposed Efficiency = 8.10 COP, Required Efficiency = 3.30 COP
Cooling Mode: Capacity = 72 kBtu/h,
Proposed Efficiency = 13.20 SEER, Required Efficiency: 11.00 EER + 14.6 IEER
Fan System: None
 - HP-(2-20)-(1-4) (Single Zone):
VRF, Air Cooled Heat Pump
Heating Mode: Capacity = 17 kBtu/h,
Proposed Efficiency = 8.10 HSPF, Required Efficiency = 7.70 HSPF
Cooling Mode: Capacity = 15 kBtu/h,
Proposed Efficiency = 13.20 SEER, Required Efficiency: 13.00 SEER
Fan System: None
 - HP-(2-20)-5 (Single Zone):
VRF, Air Cooled Heat Pump
Heating Mode: Capacity = 14 kBtu/h,
Proposed Efficiency = 8.10 HSPF, Required Efficiency = 7.70 HSPF
Cooling Mode: Capacity = 12 kBtu/h,
Proposed Efficiency = 13.20 SEER, Required Efficiency: 13.00 SEER
Fan System: None
 - HP-21-(1-4) (Single Zone):
VRF, Air Cooled Heat Pump
Heating Mode: Capacity = 20 kBtu/h,
Proposed Efficiency = 8.10 HSPF, Required Efficiency = 7.70 HSPF
Cooling Mode: Capacity = 18 kBtu/h,
Proposed Efficiency = 13.20 SEER, Required Efficiency: 13.00 SEER
Fan System: None
 - AHU-C-1 (Single Zone):
Heating: 1 each - Central Furnace, Electric, Capacity = 13 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 12 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Fan System: None
 - AHU-R-1 (Single Zone):
Heating: 1 each - Central Furnace, Electric, Capacity = 13 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 12 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Fan System: None
 - AHU-R-2 (Single Zone):
Heating: 1 each - Central Furnace, Electric, Capacity = 27 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 24 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Fan System: None
 - ACCU-M-1 (Single Zone):
Heating: 1 each - Central Furnace, Electric, Capacity = 32 kBtu/h

Project Title: HOTEL Report date: 06/22/18
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03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

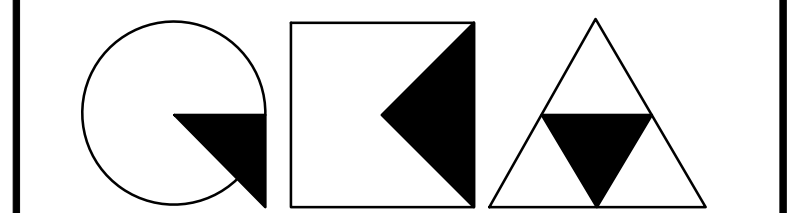


79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL



GENE KAUFMAN ARCHITECT PC

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JUDGEMENT, ALL WORK UNDER THIS
APPLICATION IS IN COMPLIANCE
WITH THE 2016 NYCECC.

Quantity	System Type & Description
	No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 24 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 15.00 SEER, Required Efficiency: 14.00 SEER Fan System: None
1	ACCU-M-2 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 215 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 192 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.30 EER, Required Efficiency: 11.00 EER + 12.4 IEER Fan System: None
1	ACCU-M-3 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 160 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 144 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.60 EER, Required Efficiency: 11.00 EER + 12.4 IEER Fan System: None
2	ACCU-M-4.5 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 160 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 144 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.60 EER, Required Efficiency: 11.00 EER + 12.4 IEER Fan System: None
2	ACCU-M-6,7 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 160 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 144 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.60 EER, Required Efficiency: 11.00 EER + 12.4 IEER Fan System: None
1	ACCU-M-8 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 160 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 144 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.60 EER, Required Efficiency: 11.00 EER + 12.4 IEER Fan System: None
2	ACCU-M-9,10 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 160 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 144 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.60 EER, Required Efficiency: 11.00 EER + 12.4 IEER Fan System: None
1	ACCU-M-11 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 215 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 192 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.30 EER, Required Efficiency: 11.00 EER + 12.4 IEER Fan System: None
1	ACCU-M-12 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 42 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 36 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: None
2	WH-1,2: Heating: Hot Water Boiler, Capacity 720 kBtu/h, Gas, with Waterloop Heat Pump Proposed Efficiency: 83.00 % Ef, Required Efficiency: 80.00 % Ef

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COMcheck_Grove as a street.cck

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COMcheck Version 4.0.8.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

GENE KAUFMAN 06-22-18
Name - Title Signature Date

Project Title: HOTEL Report date: 06/22/18
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COMcheck Software Version 4.0.8.2 Inspection Checklist

Energy Code: 2016 New York City Energy Conservation Code

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.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR4]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR8]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.6, C405.6.1 [PL16]	Group R-2 dwelling units have separate electrical meters. Each covered tenant space in a new building is equipped with a separate meter or sub-meter to measure the electrical consumption of such space when let or sublet. Refer to Section 28-311.2 of the Administrative Code of the City of New York.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C406 [PR9]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C402.2.6 [FO12]	Radiant heating systems panels insulated to >=R-3.5 on face opposite space being heated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C403.2.4.5, C403.2.4.6 [FO9]	Snow/ice melting system sensors for future connection to controls. Freeze protection systems have automatic controls installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
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COMcheck_Grove as a street.cck

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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10	10/19/2018	ISSUED ADDENDUM #1
09	08/28/2018	ISSUED TO DOB
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB
DATE	DESCRIPTION	

ISSUED DRAWINGS



GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

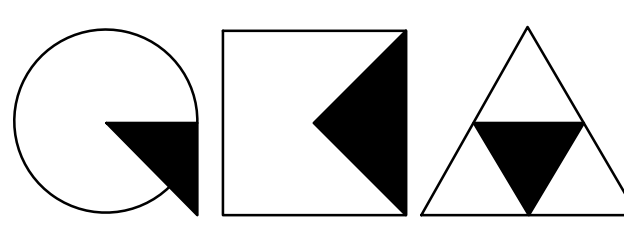


GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL




GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkpc.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

ENERGY ANALYSIS

SEAL & SIGNATURE DATE: 5/11/2017
SCALE: N/A
DRAWING NUMBER:
EN-109.00
PAGE #



NOTE:
TO THE BEST OF MY KNOWLEDGE,
BELIEF AND PROFESSIONAL
JUDGEMENT, ALL WORK UNDER THIS
APPLICATION IS IN COMPLIANCE
WITH THE 2016 NYCCEC.

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 (PL8)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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COMcheck_Grove as a street.cck

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 (PL8)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)

Additional Comments/Assumptions:

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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 (PL8)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)

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COMcheck_Grove as a street.cck

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NOTE:
TO THE BEST OF MY KNOWLEDGE,
BELIEF AND PROFESSIONAL
JUDGEMENT, ALL WORK UNDER THIS
APPLICATION IS IN COMPLIANCE
WITH THE 2016 NYCECC.

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows include various fan efficiency (FEG) requirements and HVAC equipment verification.

Project Title: HOTEL Report date: 06/22/18
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 livingston Page 25 of 41
COMcheck_Grove as a street.cck

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows describe ductwork air leakage testing and cooling tower control systems.

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COMcheck_Grove as a street.cck

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows cover enclosed parking garage ventilation, exhaust air recovery, and kitchen exhaust systems.

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Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 livingston Page 26 of 41
COMcheck_Grove as a street.cck

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows describe closed-circuit cooling towers and two-position automatic valves.

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Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 livingston Page 29 of 41
COMcheck_Grove as a street.cck

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows focus on ductwork air leakage testing for various ductwork types and lengths.

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COMcheck_Grove as a street.cck

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows describe multiple zone VAV systems with various control strategies.

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COMcheck_Grove as a street.cck

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

REVISIONS table with columns: DATE, DESCRIPTION. Lists various issued drawings and addendums from 2017 to 2018.

ISSUED DRAWINGS table with columns: DATE, DESCRIPTION. Lists issued drawings for bid set, modular, and DOB.

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STRUCTURAL ENGINEER
MEP ENGINEER

JOB NUMBER NB#321193230
EXAMINER SEAL

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ENERGY ANALYSIS
SEAL & SIGNATURE DATE: 5/11/2017
SCALE: N/A
DRAWING NUMBER: EN-112.00
PAGE #

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JUDGEMENT, ALL WORK UNDER THIS
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WITH THE 2016 NYCECC.

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ¹	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input checked="" type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C408.2.2.1 [ME53] ¹	Air outlets and zone terminal devices have means for air balancing.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 Livingston Page 31 of 41
COMcheck_Grove as a street.cck

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3. C408.2.5.2 [F117] ¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.3. C408.2.5.3 [F118] ¹	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.2 [F127] ¹	HVAC systems and equipment capacity does not exceed calculated loads.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 Livingston Page 34 of 41
COMcheck_Grove as a street.cck

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] ¹	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 [EL18] ¹	Occupancy sensors installed in required spaces.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1. C405.2.2. [EL23] ¹	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1 [EL22] ¹	Automatic controls to shut off all building lighting installed in all buildings.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3 [EL16] ¹	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3. C405.2.3.1. C405.2.3.2 [EL20] ¹	Primary sidelighted areas are equipped with required lighting controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3. C405.2.3.3 [EL21] ¹	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.5 [EL25] ¹	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.18 [F101] ¹	HVAC systems and equipment in hotel/model guestrooms are automatically controlled per Section C403.2.18.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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C403.2.4.1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 Livingston Page 36 of 41
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THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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10/19/2018	ISSUED ADDENDUM #1
08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/07/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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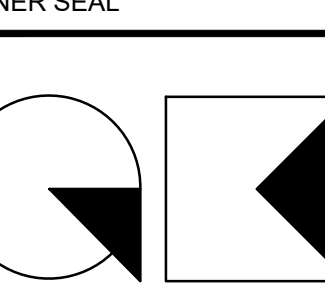
STRUCTURAL ENGINEER

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MEP ENGINEER

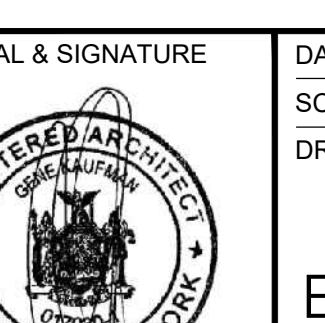
JOB NUMBER NB#321193230

EXAMINER SEAL

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T 212 625 8700 www.gkacp.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

ENERGY ANALYSIS

SEAL & SIGNATURE  DATE: 5/11/2017
SCALE: N/A
DRAWING NUMBER: EN-113.00
PAGE #

NOTE:
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APPLICATION IS IN COMPLIANCE
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
Data filename: P:\1-Active\291 Livingston - Brooklyn\01_Drawings\01_Architectural\COMCHECK\291 livingston Page 37 of 41
COMcheck_Grove as a street.cck

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.3 [F133]¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
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COMcheck_Grove as a street.cck

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147]¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.1 [F142]¹	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.1 [F142]¹	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.1 [F142]¹	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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C403.2.4.1.1 [F142]¹	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.1 [F142]¹	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.2 [F138]¹	Thermostatic controls have a 5 °F deadband.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: HOTEL Report date: 06/22/18
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1.1 [F120]¹	Temperature controls have setpoint overlap restrictions.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2 [F139]¹	Each zone equipped with setback controls using automatic time clock or programmable control system.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.1 [F140]¹	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.2 [F140]¹	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [F118]¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [F119]¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.2.1 [F128]¹	Commissioning plan developed by approved agency. Lighting controls shall be commissioned in accordance with C408.3.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.3.1 [F131]¹	HVAC equipment has been tested to ensure proper operation.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.3.2 [F110]¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.1 [F17]¹	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.2 [F116]¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.3 [F143]¹	An air and/or hydronic system balancing report is provided for HVAC systems.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.4 [F130]¹	Final commissioning report due to building owner within 30 months (for new buildings > 500,000 ft²) or 18 months (for R-2 and all other buildings) of receipt of certificate of occupancy.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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Project Title: HOTEL Report date: 06/22/18
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STRUCTURAL ENGINEER



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

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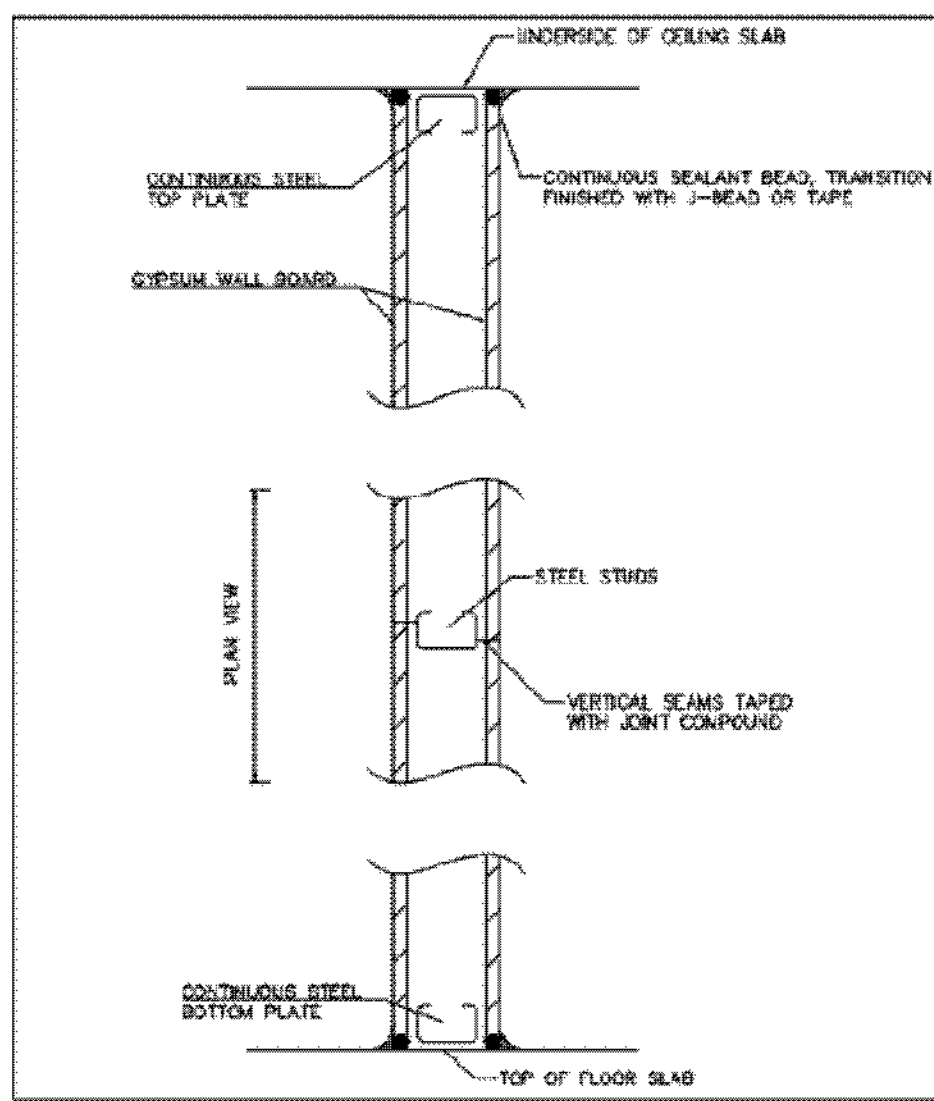
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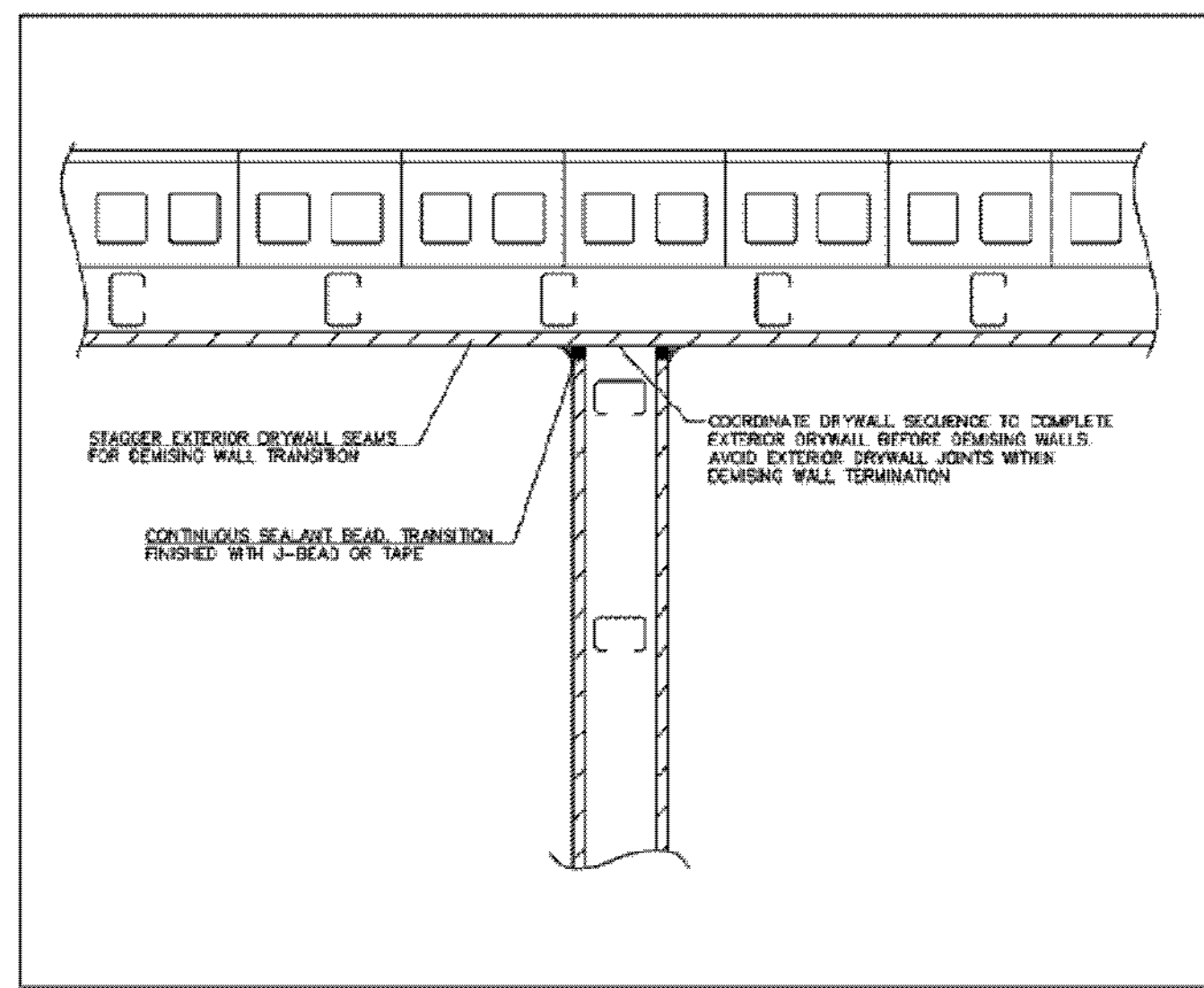
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ENERGY ANALYSIS

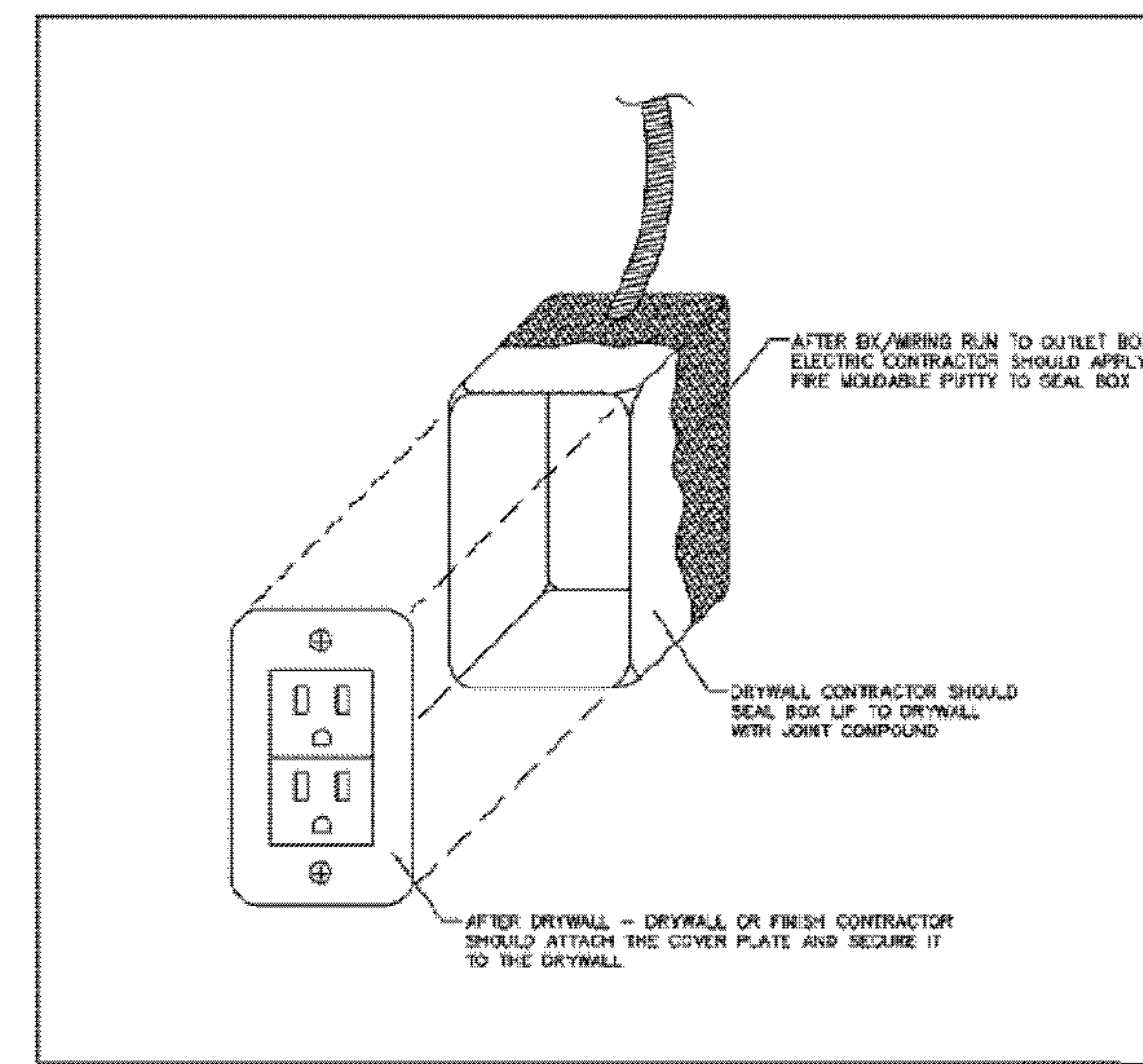
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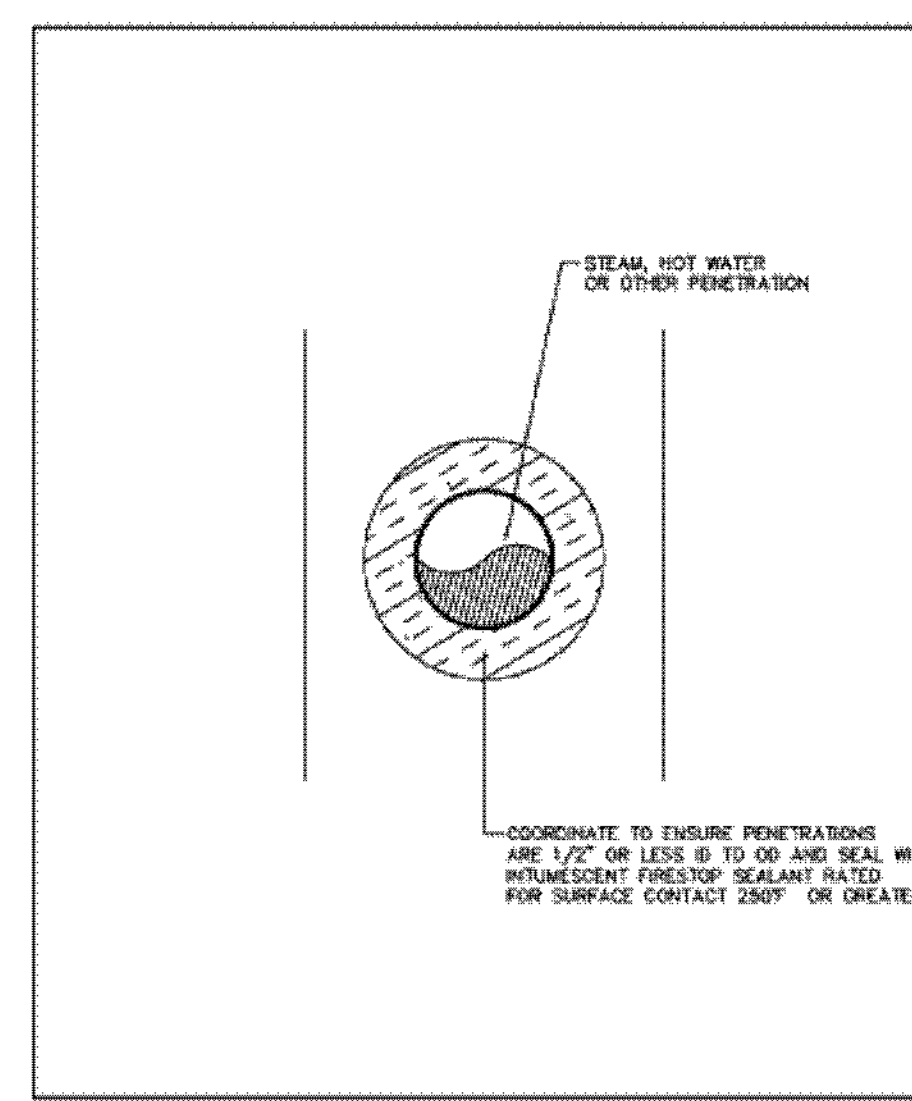
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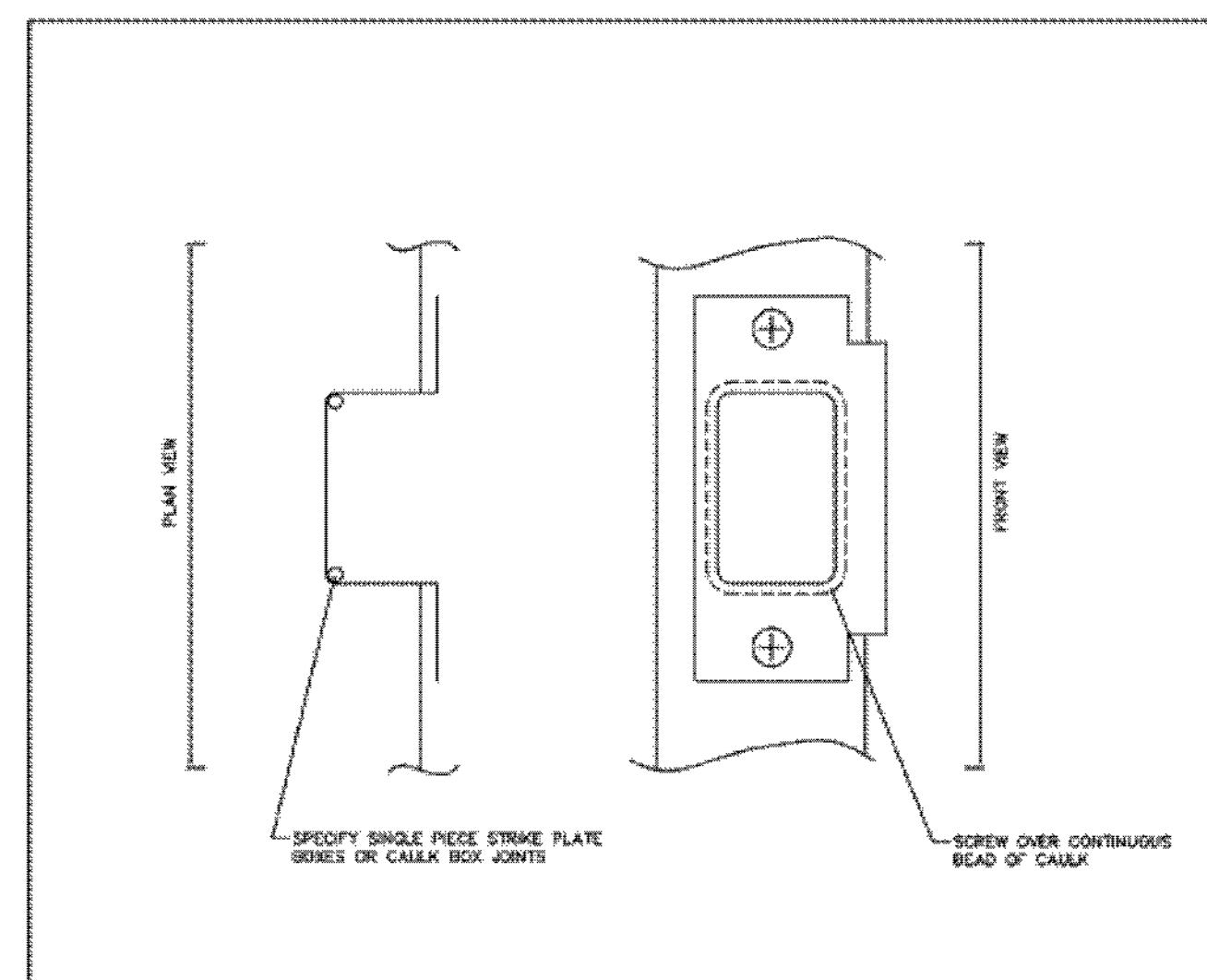
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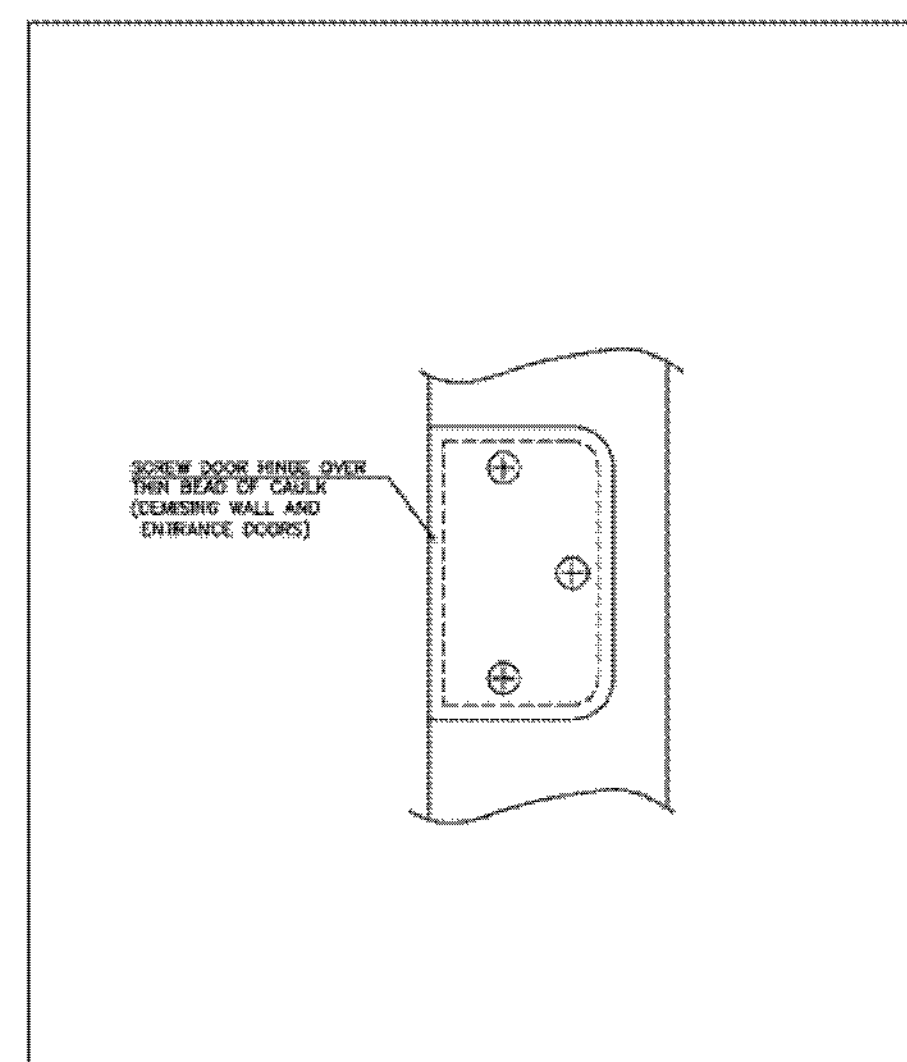
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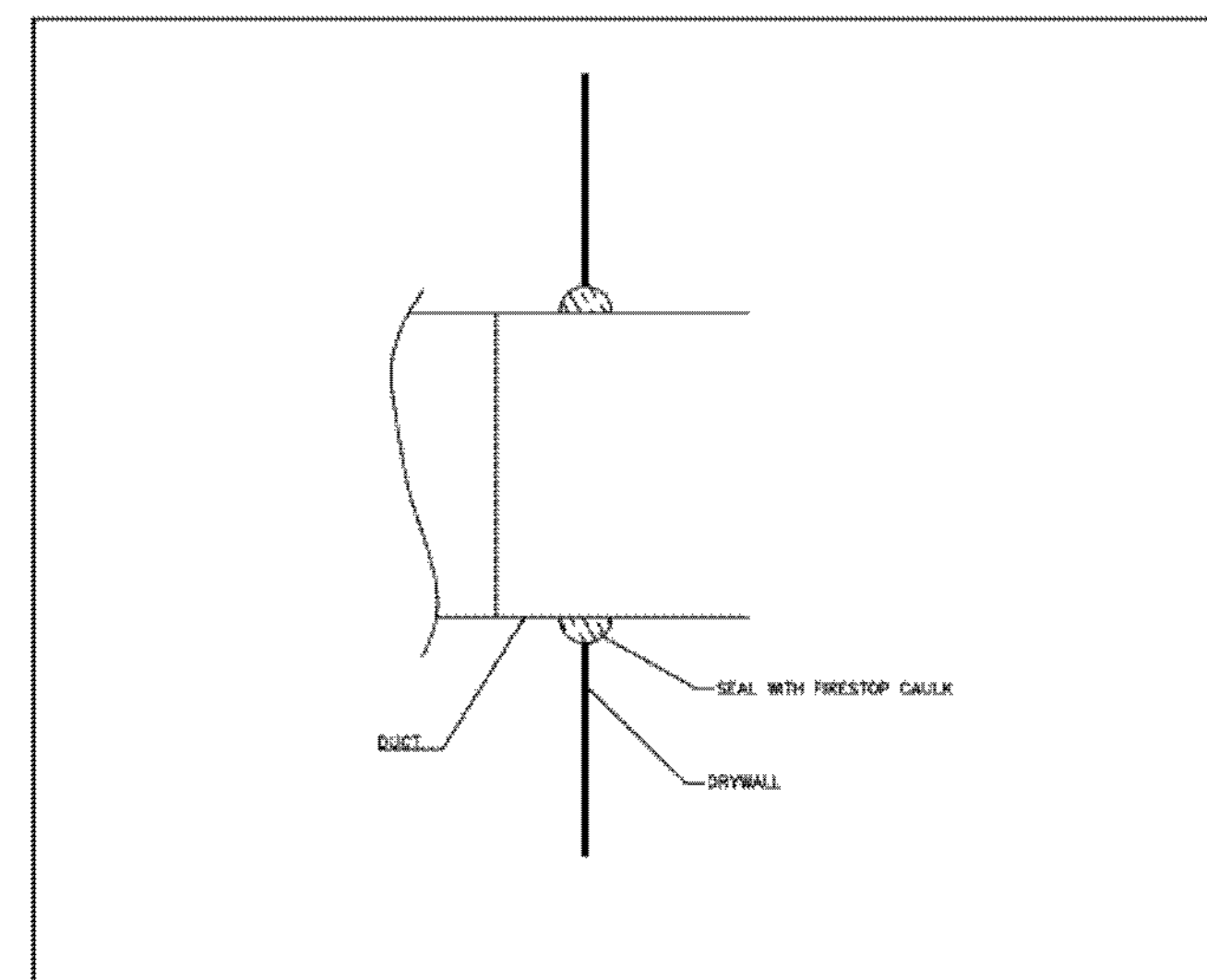
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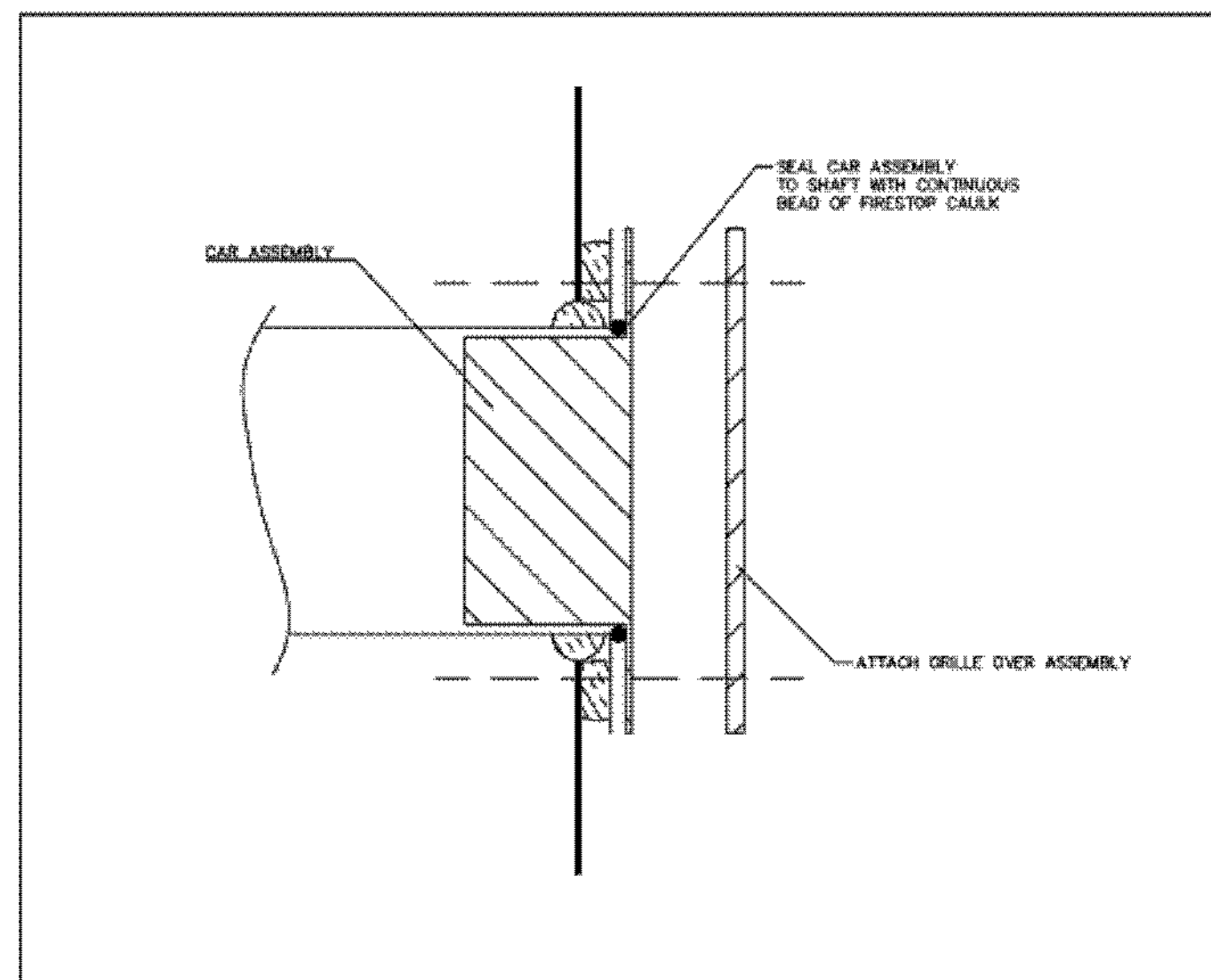
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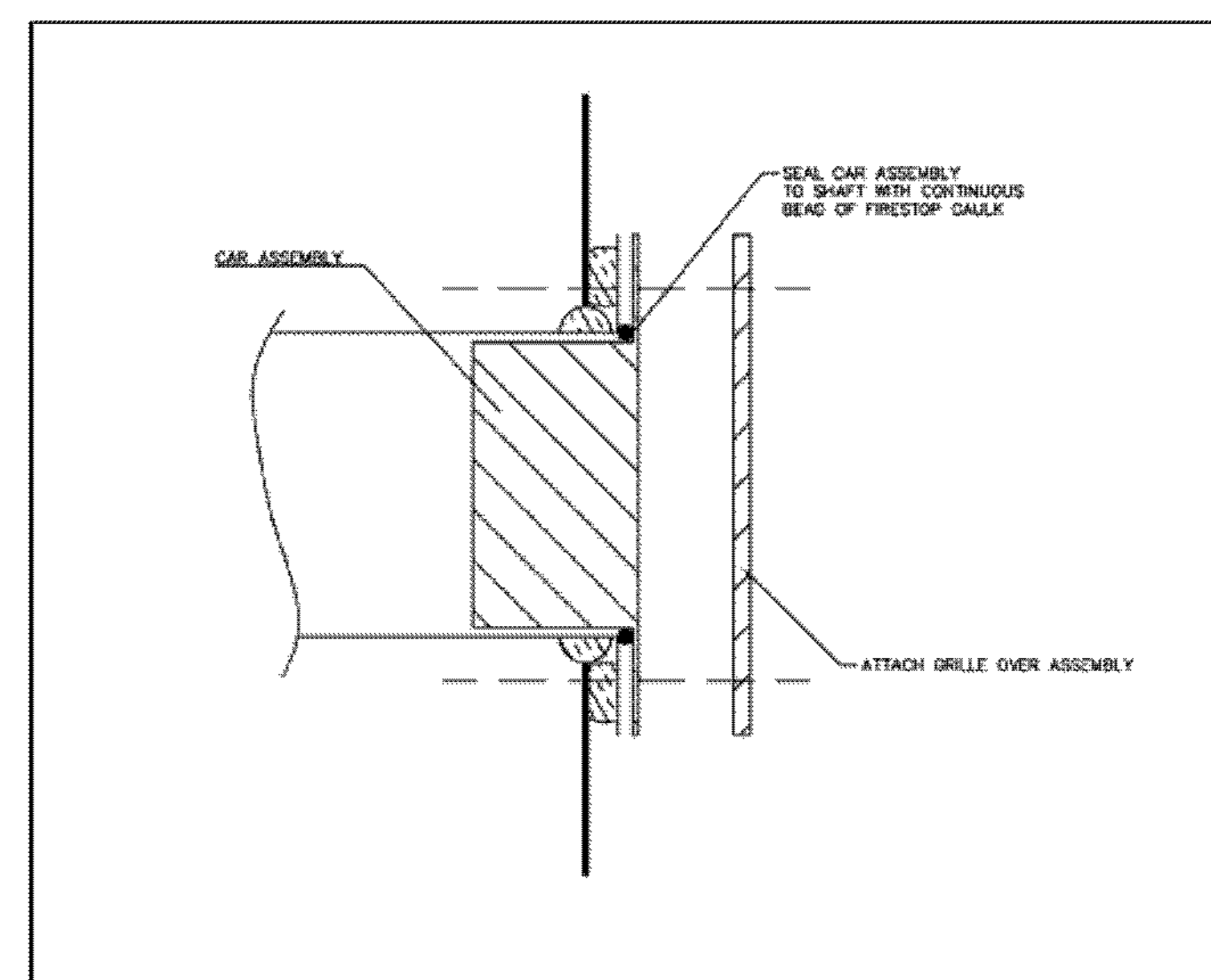
6. DOOR HINGE DETAIL
NOT TO SCALE



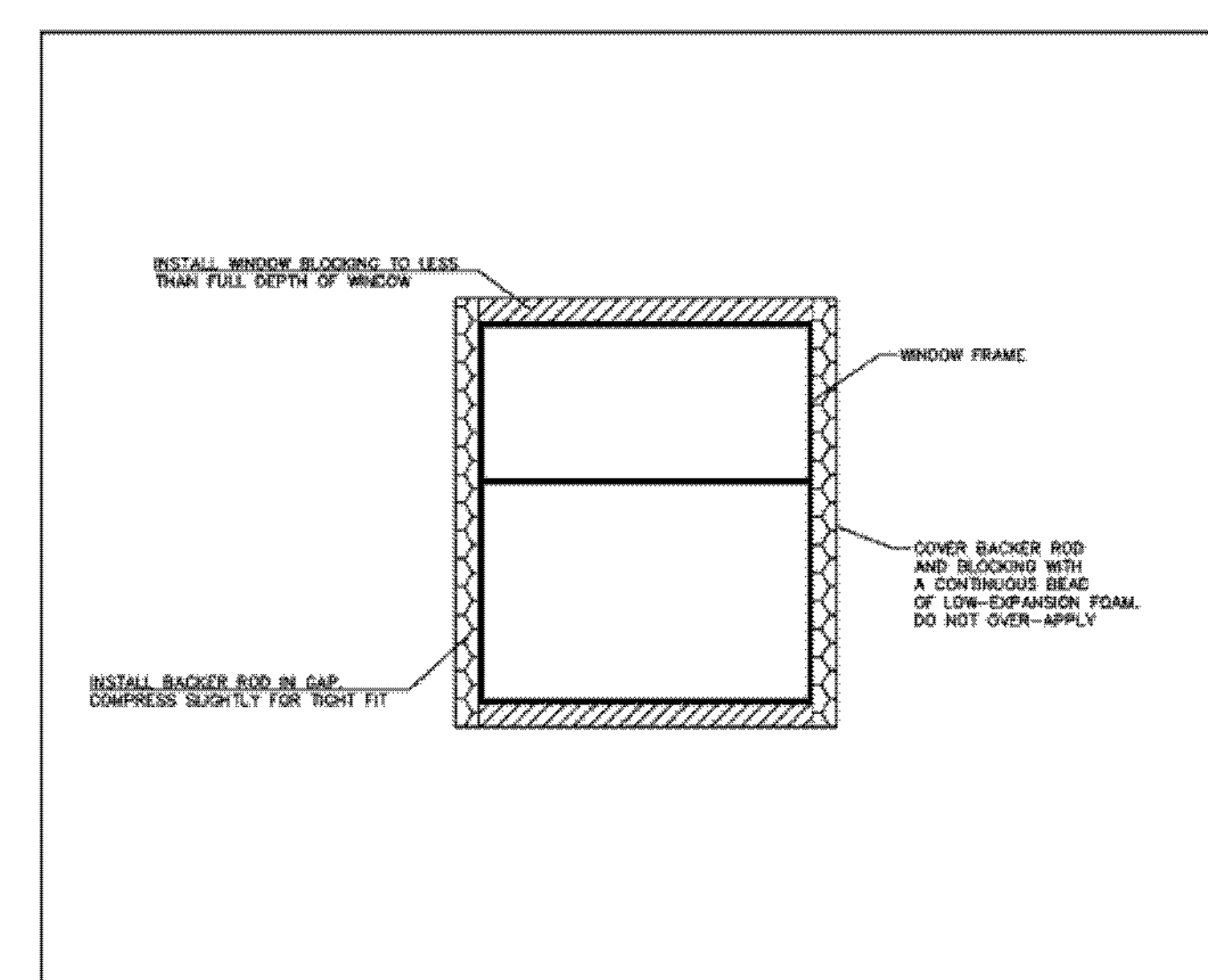
7. EXHAUST DUCT DETAILS - STEP 1/3
NOT TO SCALE



9. EXHAUST DUCT DETAILS - STEP 3/3
NOT TO SCALE



9. EXHAUST DUCT DETAILS - STEP 3/3
NOT TO SCALE



10. WINDOW SEALING DETAIL
NOT TO SCALE

- AIR SEALING NOTES**
- DETAIL 1. TYPICAL INTERIOR PARTITIONS TO BE FOLLOWED FOR ALL DRYWALL IN UNITS AT CEILINGS AND FLOORS
 - DRYWALL SEALING TO FLOOR SLAB MAY BE OMITTED IF GYPCRETE OR OTHER SELF-LEVELING FLOOR UNDERLAYMENT IS USED AND DEPTH IS SUFFICIENT TO FORM SEAL WITH DRYWALL BOTTOM. GYPCRETE SHOULD BE INSTALLED AFTER DRYWALL INSTALLATION IS COMPLETE AND ALL SEAMS ARE TAPED.
 - THE TYPICAL UNIT PLAN SHOWN HERE IS NOT AN EXHAUSTIVE LIST OF LOCATIONS WHICH NEED TO BE SEALED. WHEREVER A CONDITION SHOWN IN THE DETAILS EXISTS, IT SHOULD BE SEALED ACCORDING TO THE APPROPRIATE DETAIL.
 - ELECTRICAL PENETRATIONS OTHER THAN ELECTRICAL BOXES SHOW IN DETAIL AND SHOULD BE SEALED WITH FIRESTOP CAULK
 - ALL EXHAUST DUCTS SHOULD BE INSTALLED AND TESTED FOR TIGHTNESS BEFORE DRYWALL IS INSTALLED THROUGHOUT THE BUILDING.
 - EXTERIOR AIR/WATER BARRIERS AND WINDOW FLASHING MUST BE INSPECTED BEFORE WINDOWS ARE INSTALLED AND CAULKED IN PLACE
 - ALL THROUGH-WALL A/C OR PTAC SLEEVES SHOULD BE ORDERED THERMALLY BROKEN AND SEALED TO THE WALL ASSEMBLY WITH SILICONE CAULK TOOLED TO FORM A SECURE JOINT OR OTHERWISE SEALED PER MANUFACTURER'S INSTRUCTIONS.
 - ALL APARTMENTS MUST MEET AN AIRTIGHTNESS REQUIREMENT OF 0.3 CFM50 PER SQUARE FOOT OF ENCLOSURE BOUNDING THE APARTMENT (PAINT TO PAINT) WALL, FLOOR, AND CEILING AREAS). TESTED ACCORDING TO ASTM E779 2010 OR ASTM E1872. A SAMPLING TO ENSURE AIRTIGHTNESS REQUIREMENTS ARE MET.

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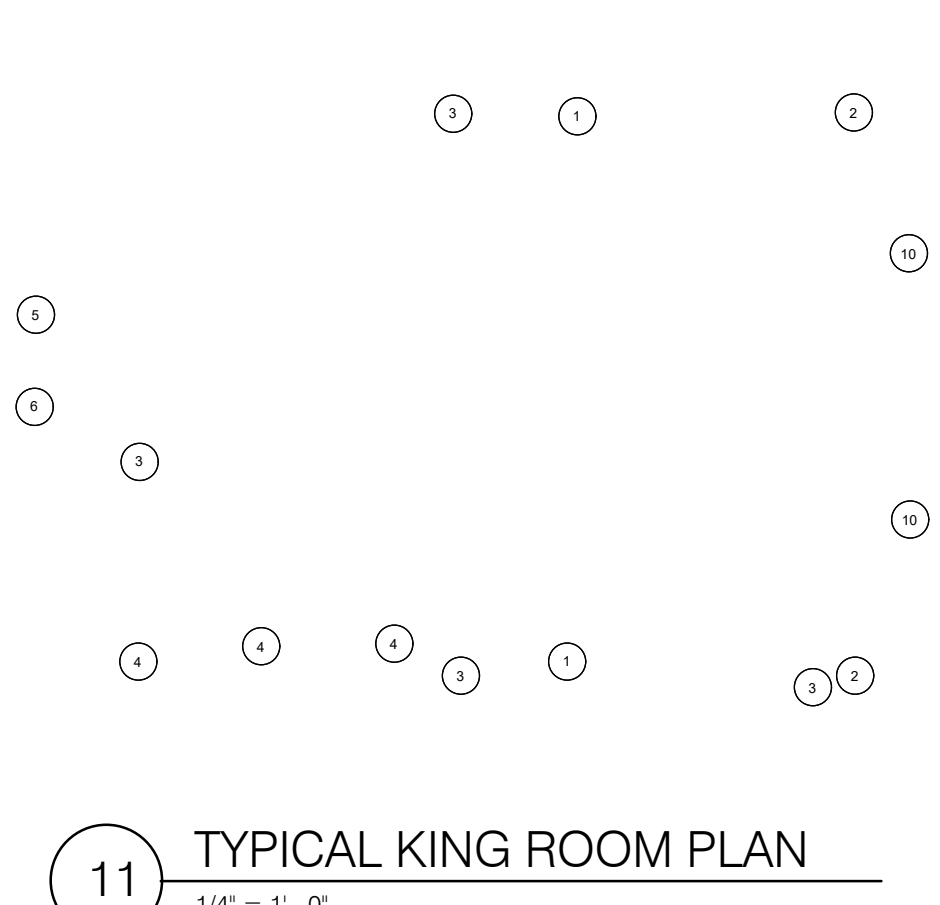
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ENERGY AIR SEALING DETAILS

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NOTE: MECHANICAL EQUIPMENT PENETRATIONS LISTED IN TABLE C403.2.3 NOT APPLICABLE IN THIS PROJECT

NOTE: TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH THE "2016 NEW YORK CITY ENERGY CONSERVATION CODE", CHAPTER C4.

Construction and Installation Requirements for Energy Conformance

Exterior Air Barrier Application

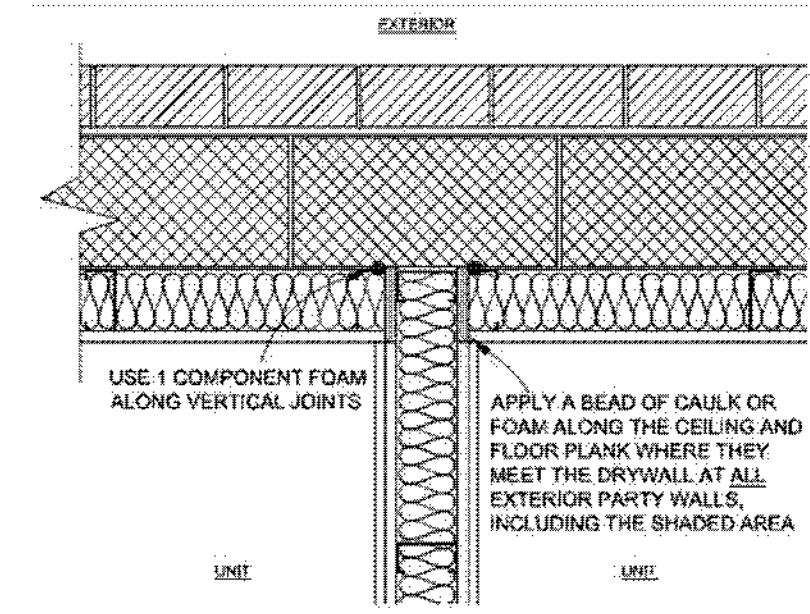
- 1 **Sealant Materials:** Sealants shall have an expected life of at least 20 years as applied and be compatible with all substrate materials
- 2 **Masonry Wall Preparation:** Ensure gaps are filled, joints stuck, CMU is dry, and all snags are gone.
- 3 **General Coverage (Liquid Membrane):** Verify proper thickness of liquid-applied membranes using a wet mil gauge. At a minimum, substrate must not be visible.
- 4 **General Coverage at Adjacent Building Conditions (Liquid Membrane):** Where unable to install air barrier on the exterior of the building, a low OVC product shall be installed on the interior at full height (top of plank to bottom of plank at each floor). This shall happen before any interior framing is installed.
- 5 **General Coverage Transition Membrane Seams:** Transition membranes shall be installed and sealed before insulation is installed on top. Seams shall be sealed with mastic type liquid membrane or with compatible sealant.
- 6 **Air Barrier Penetrations:** Air Barrier penetrations shall be sealed with sealants compatible with all surfaces. Transition membranes shall be used to patch as necessary with seams sealed appropriately.
- 7 **Rough Openings (Concrete Masonry Construction) - Windows and Doors:**
 - A Liquid air barrier shall wrap in at masonry rough openings to be flush with inside edge of window or door frame
 - B Sheet membrane or metal panel enclosures can be used as alternative as long as it is clear the air barrier is continuous and any gaps are sealed with back rod as necessary and sealant compatible with all surfaces
- 8 **Rough Openings (Steel Stud Construction) - Windows and Doors:** Rough opening must be wrapped with sheet membrane all the way inside to be flush with inside edge.
- 9 **General Coverage (Liquid Membrane):** Verify proper thickness of liquid-applied membranes using a wet mil gauge. At a minimum, substrate must not be visible. Rough Openings - Pipes, Conduits, Ducts, Etc.: Gaps shall be filled with backed rod as necessary and sealant
- 10 **Rough Openings - Cast Stone Sills:** Cast stone sill shall be sealed to sill pan using compatible sealant where not sealed by grout.
- 11 **Rough Openings - Gap at Exterior Door Frames:** Gaps between door frame (header, jambs, threshold) and rough openings shall be sealed on the interior with backer rod and sealant that is compatible with all surfaces.
- 12 **Rough Openings PTAC Sleeves:**
 - A Gaps between PTA sleeves and rough openings shall be sealed on the interior with backer rod as necessary and sealant that is compatible with all surfaces where not sealed
 - B Insulated interior cover with compressible gasket must be provided for A/C sleeves.
- 13 **Plank Edges (Steel Stud Construction) - At plank exterior sheathing joint:**
 - A Transition membranes must be installed to span the sheathing /plank edge joint creating a bellows with backer rod.
 - B Transition membrane shall extend a minimum of 3" on each adjacent surface or per manufacturer's instructions. Termination seams must be sealed with compatible sealants.
- 14 **Plank Edges (Concrete Masonry Construction) - At plank CMU joint**
 - A Option 1- If gap is greater than 1/4" Transition Membrane must be used to seal the gap with minimum 3" over lap
 - B Option 2- If gap is less than 1/4" Liquid Membrane can be used to seal the gap
 - C Option 3- When shelf angles are to be installed, through wall flashing must be draped from above to completely cover the joints at top and bottom edges of the plank and shelf angle. The Liquid Membrane shall be installed continuously prior to shelf angle installation.
- 15 **Plank Edges - At plank steel girder joint**
 - A Through wall flashing must be draped from above to completely cover this joint and the entire face of the girder and sealed to the shelf angle.
 - B If the girder is solid and air tight, this detail can be sealed with a transition membranes spanning the top flange and interior underside of the plank if allowed by local code.
- 16 **Steel Columns - Steel CMU joints:** Transition membrane to be installed after fire proofing has been applied to span steel column and adhered to the adjacent CMU surfaces. Fire proofing may need to be applied thicker to keep the required R-Value
- 17 **All Exterior, Stairwell-Corridor, Apartment-Corridor, and any Door separating a space that is vented to the outdoors (Boiler Room, Meter Room, etc.)**
 - A Install weather-stripping with rigid fastener and compressible closed cell foam insert
 - B Sample manufacturers
 - a. Ultrafab Incorporated
 - b. Pemko Manufacturing Company Inc.
 - c. Accurate Metal Weather-Strip

Building Envelope Insulation

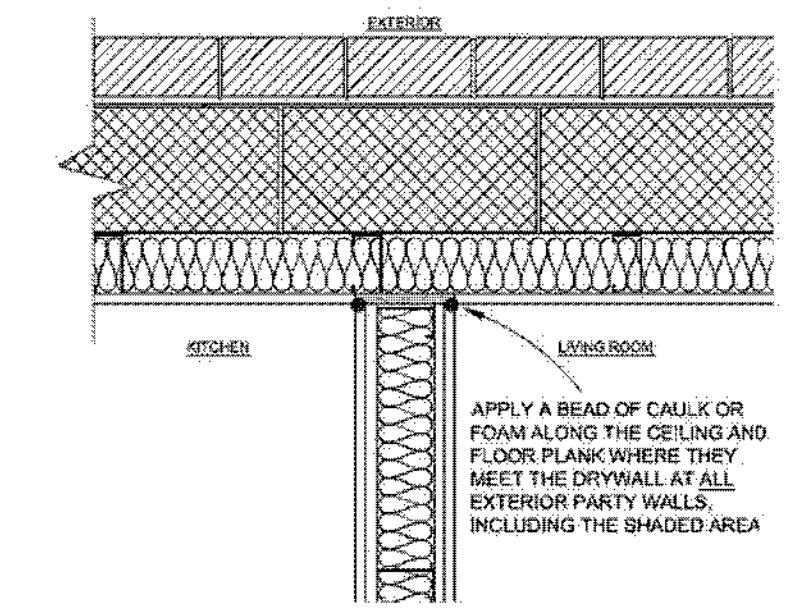
- 1 In all cases where rigid insulation board is to be installed (e.g. below grade, above grade, roof), the insulation shall be tightly adjoined with no gaps between boards and flat against the respective substrate.
- 2 Interior and cavity insulation must be protected from air intrusion, moisture intrusion, and free of voids, gaps, and compression.
- 3 Cavity insulation must be in contact with the interior wall surface (e.g. drywall) and completely fill the interior wall cavity
- 4 Batt insulation must be installed properly using splices to surround wire, electrical outlet/switch/junction boxes, pipes, and other obstructions within the insulated cavity.
- 5 Insulation that is intended to be continuous (interior or exterior) must be installed without breaks and at full thickness at all locations.
- 6 Insulation must be installed such that they achieve RESNET-defined Grade I installation or, alternatively, Grade II for walls with continuous insulation
- 7 Metal-framed buildings must have continuous wall insulation.
- 8 Vapor impermeable air barriers for general coverage should only be specified on the warm side of insulation (i.e. interior side of insulation in predominately heating dominated climates). Vapor permeable air barriers should be specified in other cases.

Interior Air Tightness (Compartmentalization)

- 1 **Apartment Air Sealing Testing & Verification:** Apartments shall be sealed to reduce air exchange between the apartment and the outside as well as the apartment and other adjacent spaces. Enclosed apartments must be fan pressure tested as an independent unit in accordance with either ASTM E779 2010 or ASTM E1827. The target maximum air leakage rate is 0.3 CFM per square foot of the enclosure bounding the apartment at an induce pressure difference of 50 pascals.
- 2 **Firestopping:** Ensure all penetrations in plank and CMU are sealed to reduce air infiltration and stack effect.
- 3 **Demising Wall between Units:**
 - A During drywall installation, leave space for demising wall drywall to be inserted.
 - B Drywall sequence must take into account sealing the vertical joint of the demising drywall to the exterior wall. Use caulk or one component polyurethane foam along vertical joints.
 - C Drywall sequence must also take into account sealing the portion of the demising drywall that becomes inaccessible once the perimeter drywall is installed (see figure below). Use a continuous bead of caulk or one component polyurethane foam to seal the inset portion of the drywall of the concrete plank/slab at the ceiling and floor
 - D All notches in drywall made of electrical cable, plumbing braces, etc. to be sealed with one component polyurethane foam or caulk.



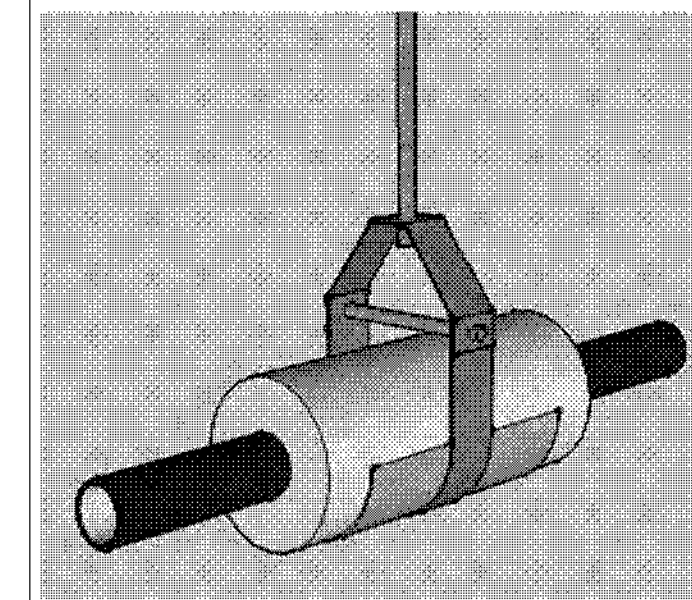
- 4 **Party Wall within a Unit:**
 - A During drywall installation, leave space so that perimeter drywall is continuous.
 - B Drywall sequence must take into account sealing the gap at the ceiling and floor between the layers of party wall drywall before party wall is installed. Apply a continuous bead of sealant to all gaps between the drywall, ceiling and floor.
 - C All notches in drywall made of electrical cable, plumbing braces, etc. to be sealed with one component polyurethane foam or caulk.



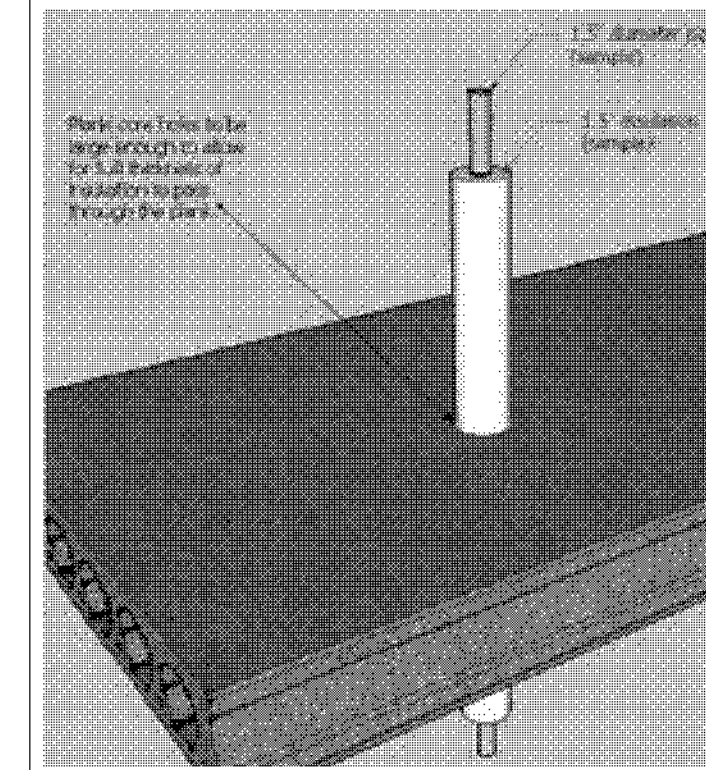
- 5 **Drywall to Concrete Floor Plank Connection Interior Partitions and Exterior Walls:**
 - A During installation of self-leveling compound, ensure that the gap between gypsum board and the concrete floor is completely sealed by the self-leveling compound.
 - B Any remaining gaps must be sealed with calk or foam sealant before baseboard heaters are installed on exterior walls
 - C If gap is 3/8" or less, use caulk. If gap is greater than 3/8", use foam
- 6 **Recessed Medicine Cabinets:** Seal all joints between gypsum board with tape and joint compound, foam, or caulk so the cavity is completely sealed before installing cabinets.
- 7 **Interior Door Frames (Bathrooms, Closets, Bedrooms, etc.):** Seal entire perimeter between door frame and drywall with caulk on **Electrical and Telecommunication Panels**
 - A Seal entire perimeter gap between panel and drywall using caulk
 - B Installed closed cell neoprene foam on the interior side of the panel door. Ensure door tightly seals to panel when closed.
- 9 **Outlet and Electrical Boxes - Exterior and Demising Walls**
 - A Install Putty pads <http://www.acousticalsolutions.com/forestop-putty-pads3>
 - B Use insulated, self closing outlet covers instead of conventional outlet covers
 - C No outlets to be placed back to back o demising walls.
- 10 **PTAC Sleeve and Interior Drywall:** Seal all joints between A/C sleeve and drywall with caulk. If necessary, insert backer rod into gap.
- 11 **Underside of Window Sill to Drywall Connection:** Seal joint between underside of the window sill and drywall with caulk
- 12 **HVAC Access Doors**
 - A Seal all gaps between the drywall and perimeter of the access door frame
 - B Add closed cell neoprene foam tape to an access door that is not originally weather stripped and ensure it closes tightly.
- 13 **Heating Pipe Penetrations:** Seal all heating pipe penetrations using foam or other sealant product rated for 200 degrees
- 14 **Plumbing Penetrations**
 - A Fill rough opening with gypsum compound, foam or caulk to seal plumbing penetrations before installation of escutcheon.
 - B Area include around shower heads, and under bathroom and kitchen sinks including around drain lines.
- 15 **Sprinkler, Gas Line, and Wiring Penetration:** Fill opening with gypsum compound, foam or caulk to seal around all penetrations through drywall
- 16 **Door Latch Hole:** If a blower test indicates significant leakage at this location, spray one part polyurethane foam above and below latch hole in door frame cavity. Cut away any foam that expands into the operating area of the latch hole if necessary.

Pipe Insulation Installation

- 1 **Piping Insulation Where Hung from Ceiling:** Piping shall be insulated prior to installation into hangers or other supports



- 2 **Insulated Piping through Cored Plank:** Cored holes drilled through the plank shall be large enough to allow the full thickness of insulation to pass through as required by pipe size and fluid type.



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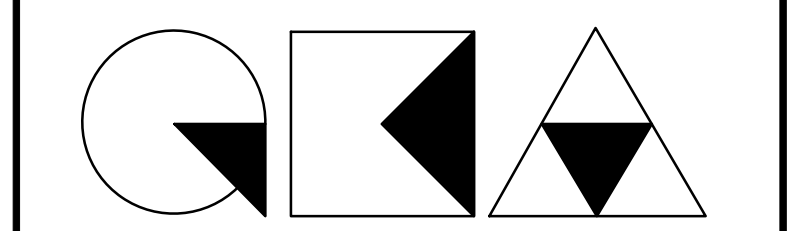
ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL



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ENERGY AIR SEALING DETAILS

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER:
	EN-116.00
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THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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11	01/11/2019 PAA ISSUED TO DOB
10	10/19/2018 ISSUED ADDENDUM #1
09	08/28/2018 ISSUED TO DOB
08	06/22/2018 ISSUED TO DOB
07	03/30/2018 ISSUED 100% CD
06	11/29/2017 ISSUED FOR DOB
05	11/10/2017 ISSUED FOR BID SET
04	10/19/2017 ISSUED FOR DOB
03	10/02/2017 ISSUED FOR MODULAR
02	08/03/2017 ISSUED TO DOB
01	06/07/2017 ISSUED TO DOB

ISSUED DRAWINGS



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STRUCTURAL ENGINEER

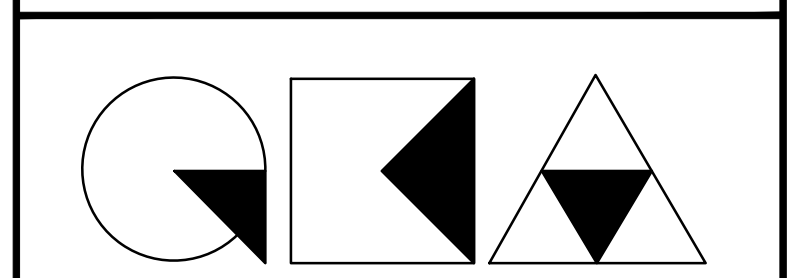


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MEP ENGINEER

JOB NUMBER NB#321193230


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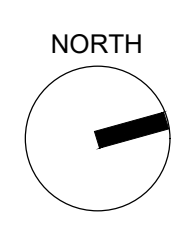
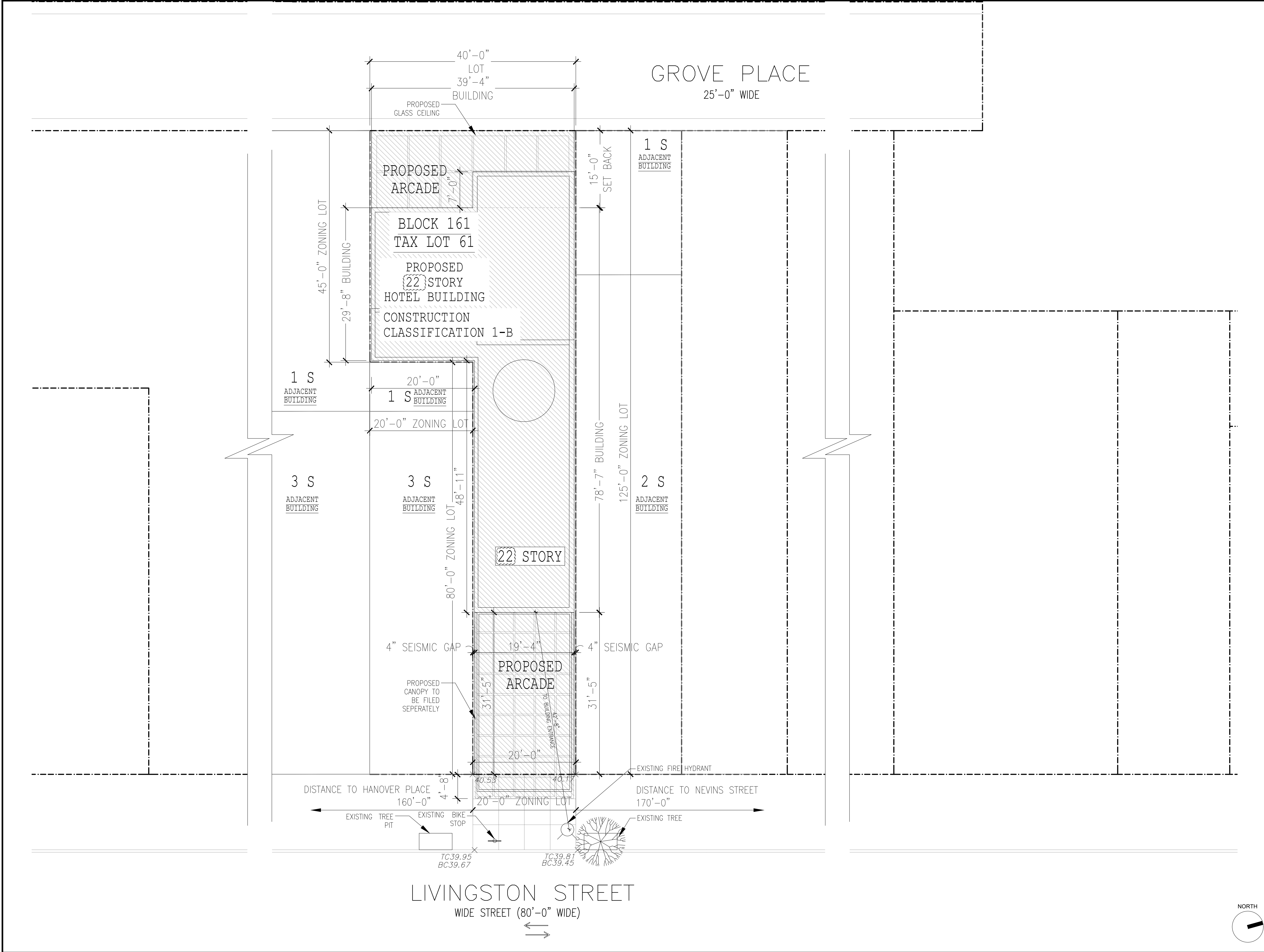


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SITE PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: ST-100.01
	PAGE #



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ISSUED DRAWINGS



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STRUCTURAL ENGINEER

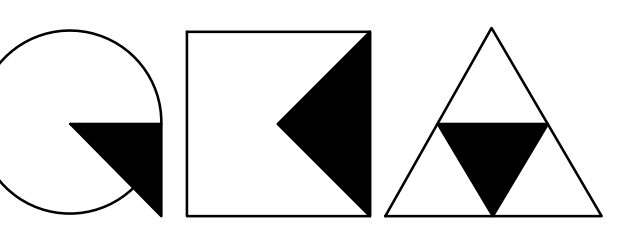


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MEP ENGINEER

JOB NUMBER NB#321193230


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SURVEY

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	SCALE: AS SHOWN
	DRAWING NUMBER: SU-100.00
	PAGE #

ZONING ANALYSIS
ADDRESS: 291 LIVINGSTON STREET, BROOKLYN, NY 11217

BLOCK: 161
LOT: 61
MAP: 16c
ZONING: C6-4 (Downtown Brooklyn District)
LOT AREA: 3,400.00

BUILDING OCCUPANCY GROUP & CONSTRUCTION CLASS
OCCUPANCY GROUP:
BUILDING CONSTRUCTION CLASS:
(FIREPROOF 2-HOUR STRUCTURAL ELEMENTS)

R-1
1-8

TABLE 601
REQUIRED FIRE RATING OF BUILDING COMPONENTS:

TABLE 602
REQUIRED FIRE RATING OF BUILDING COMPONENTS:
NONBEARING WALLS AND PARTITIONS - EXTERIOR

TABLE 603
OCCUPANCY GROUP
CONSTRUCTION CLASS
AREA
HEIGHT

TABLE 608.3.3 FIRE DIVISIONS

TABLE 1004.1.2 FLOOR AREA ALLOWANCES P/ OCC.

TABLE 1006.1 EGRESS WIDTH

TABLE 1001.5 EXIT ACCESS TRAVEL DISTANCE

TABLE 1001.6.1.1 INTERIOR CORRIDOR FIRE RESISTANCE RATING

TABLE 508.2 INCIDENTAL USE AREAS

TABLE 508.2 INCIDENTAL USE AREAS (CONT.)

ABBREVIATIONS

OCCUPANCY LOADS & EGRESS REQUIREMENTS
HOTEL (R-1)
ASSEMBLY SPACE (A-2)

TABLE 403.1 MIN. NUMBER OF REQUIRED PLUMBING FIXTURES

EMERGENCY POWER AND LIGHTING NOTES

ADA ACCESSIBLE CALCULATIONS 2008 NYC BUILDING CODE TABLE 1107.6.1.1

BUILDING DEPARTMENT NOTES
1. THIS APPLICATION IS LOCATED AT: 291 LIVINGSTON STREET, BROOKLYN, NY 11217
2. THIS SPACE IS MULTI TENANT OCCUPANCY AND FULLY SPRINKLERED FLOOR
3. ALL MATERIALS, ASSEMBLIES, CONSTRUCTION AND EQUIPMENT MUST CONFORM TO THE REGULATIONS OF THE NEW YORK CITY 2008 BUILDING CODES.
4. ALL DOORS SHALL BE NON-COMBUSTIBLE
5. ALL WOOD SHALL BE FIRE RETARDANT TREATED
6. ENTIRE FLOOR AREA TO BE MECHANICALLY VENTILATED AS PER SECTION MC 403, TABLE 403.3 & LOCAL LAW 76
7. CONSTRUCTION OF SUSPENDED CEILING TO COMPLY WITH APPENDIX R, SECTION BCR101, BCR102 & BCR103
8. EXITS & DIRECTIONAL SIGNAGE SHALL COMPLY WITH SECTION BC 1110.1 & BC 1110.2
9. ALL CORRIDORS TO BE 3'-0" MINIMUM CLEAR
10. ALL FLOOR COVERING/ FINISHES SHALL COMPLY WITH SECTION BC 804
11. STAIR & ELEVATOR SIGNAGE TO COMPLY WITH SECTION BC 1110.1 & BC 1110.2
12. ALL NEW WORK SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA)
13. ALL NEW WORK SHALL COMPLY WITH THE REQUIREMENTS OF BC ACCESSIBILITY
14. THE FOLLOWING ITEMS ARE SUBJECT TO SPECIAL INSPECTION AS PER THE 2008 BC ADMINISTRATIVE REQUIREMENTS:
A. FIRESTOP, DRAFTSTOP & FIREBLOCK SYSTEMS AS PER BC 1704.25
B. SPRAYED FIRE RESISTANT MATERIALS AS PER BC 1704.11
C. FINAL INSPECTION AS PER BC 109.5 DIRECTIVE 14 OF 1975
15. REQUIRED INSPECTIONS AND TESTS OF MATERIALS DESIGNATED FOR "SPECIAL INSPECTION" SHALL BE MADE UNDER THE DIRECT SUPERVISION OF A LICENSED ARCHITECT OR ENGINEER RETAINED BY THE OWNER.
16. ALL WORK SHALL COMPLY WITH THE NEW YORK STATE ENERGY CODE 2011
17. THE CONTRACTOR SHALL OBTAIN EQUIPMENT USE PERMITS REQUIRED IN ACCORDANCE WITH THE BUILDING CODE.
18. ALL PLUMBING FIXTURES INSTALLED UNDER THIS CONTRACT SHALL COMPLY WITH BC 2010
19. ALL AISLES LEADING TO EXITS SHALL BE CONSTRUCTED WITH A MINIMUM UNOBSTRUCTED WIDTH OF 3'-0" UNDER THIS CONTRACT.
20. FIRE ALARM PULL HANDLES INSTALLED UNDER THIS CONTRACT SHALL BE 48" ABOVE THE FLOOR.

SMOKING DETECTING DEVICES
1. SMOKE DETECTING DEVICES SHALL CONFORM TO SECTION 907 OF THE NEW YORK CITY BUILDING CODE AND THE HOUSEHOLD FIRE WARMING EQUIPMENT PROVISIONS OF NFPA 72
2. SMOKE ALARMS SHALL BE INSTALLED AND MAINTAINED IN ALL THE FOLLOWING LOCATIONS:
A. ON THE CEILING OUTSIDE OF EACH ROOM USED FOR SLEEPING PURPOSES WITHIN 15FEET OF THE DOOR OF SUCH ROOM.
B. IN EACH ROOM USED FOR SLEEPING PURPOSES, OR IN EACH STORY OF A DWELLING UNIT.
3. REQUIRED SMOKE DETECTING DEVICES SHALL RECEIVE THEIR PRIMARY POWER FROM A DEDICATED BRANCH CIRCUIT OR THE UN-SWITCHED PORTION OF A BRANCH CIRCUIT ALSO USED FOR POWER AND LIGHTING AND SHALL BE EQUIPPED WITH A BATTERY BACKUP.
4. SMOKE ALARMS SHALL BE PROVIDED WITH THE CAPABILITY TO SUPPORT VISIBLE ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ICC ANS I 117.1
5. ALL SMOKE DETECTORS SHALL BE ACCEPTED PURSUANT TO THE RULES AND REGULATIONS PROMULGATED BY THE COMMISSIONER, APPROVED BY THE BOARD OF STANDARDS AND APPEALS LISTED BY A NATIONALLY RECOGNIZED INDEPENDENT LABORATORY.
6. THE MAINTENANCE AND TESTING SCHEDULES AND PROCEDURES FOR THE FIRE ALARM AND FIRE DETECTION SYSTEMS SHALL BE IN ACCORDANCE WITH BC 17 AND THE NEW YORK CITY FIRE CODE.
CARBON MONOXIDE DETECTING DEVICES
1. CARBON MONOXIDE DETECTING DEVICES SHALL CONFORM TO SECTION 908 OF THE 2008 NEW YORK CITY BUILDING CODE.
2. CARBON MONOXIDE DETECTING DEVICES SHALL BE INSTALLED AND MAINTAINED IN ALL THE FOLLOWING LOCATIONS:
A. ON THE CEILING OUTSIDE OF EACH ROOM USED FOR SLEEPING PURPOSES WITHIN 15FEET OF THE DOOR OF SUCH ROOM.
B. IN EACH ROOM USED FOR SLEEPING PURPOSES, OR IN EACH STORY OF A DWELLING UNIT.
3. REQUIRED CARBON MONOXIDE DETECTING DEVICES SHALL RECEIVE THEIR PRIMARY POWER FROM A DEDICATED BRANCH CIRCUIT OR THE UN-SWITCHED PORTION OF A BRANCH CIRCUIT ALSO USED FOR POWER AND LIGHTING AND SHALL BE EQUIPPED WITH A BATTERY BACKUP.
4. CARBON MONOXIDE DETECTING DEVICES SHALL BE PROVIDED WITH THE CAPABILITY TO SUPPORT VISIBLE ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ICC ANS A 117.1
5. ALL CARBON MONOXIDE DETECTING DEVICES SHALL BE ACCEPTED PURSUANT TO THE RULES AND REGULATIONS PROMULGATED BY THE COMMISSIONER, APPROVED BY THE BOARD OF STANDARDS AND APPEALS LISTED BY A NATIONALLY RECOGNIZED INDEPENDENT LABORATORY.
6. THE INSPECTION, MAINTENANCE AND TESTING SCHEDULES AND PROCEDURES FOR THE FIRE ALARM AND FIRE DETECTION SYSTEMS SHALL BE IN ACCORDANCE WITH BC 17 AND THE NEW YORK CITY FIRE CODE.

ITEMS TO BE FILED SEPARATELY:
1. ALL WORK BEYOND BUILDING LINE
2. SPRINKLER / STANDPIPE #340628229
3. PLUMBING / MECHANICAL DOCUMENT #2
4. STRUCTURAL DOCUMENT #3
5. GENERATOR
6. P.A.
7. BUILDERS PAVING PLAN #340621081
8. FIRE PROTECTION PLAN
9. FIRE ALARM #921820623
10. DEMOLITION #921548551
11. TEMPORARY STANDPIPE #340621107
SPECIAL INSPECTIONS:
1. STRUCTURAL STEEL - WELDING (BC 1704.3.1)
2. STRUCTURAL STEEL - DETAILS (1704.3.2)
3. STRUCTURAL STEEL - HIGH STRENGTH BOLTING (BC 1704.3.3)
4. CONCRETE - CAST-IN-PLACE (BC 1704.4)
5. CONCRETE DESIGN MIX (BC 1905.3 / BC 1913.5)
6. CONCRETE SAMPLING AND TESTING (BC 1905.6 / BC 1913.10)
7. SURFACE INSPECTION (BC 1704.1.1)
8. SUBSURFACE INVESTIGATIONS (BORINGS/TEST PITS) (BC 1704.1.4)
9. SPRAYED FIRE-RESISTANT MATERIALS (BC 1704.11)
10. SMOKE CONTROL SYSTEMS (1704.15)
11. MECHANICAL SYSTEMS (BC 1704.16)
12. STRUCTURAL STABILITY - EXISTING BUILDING (BC 1704.20.1)
13. EXCAVATIONS - SHEETING, SHORING, AND BRACING (BC 1704.20.2)
14. UNDERPINNING (BC 1704.20.3 / BC 1814)
15. PRIVATE ON-SITE STORM WATER DRAINAGE DISPOSAL SYSTEMS, AND DETENTION FACILITIES INSTALLATION (BC 1704.21.2)
16. HEATING SYSTEMS (BC 1704.25)
17. FIRE-RESISTANT PENETRATIONS AND JOINTS (BC 1704.27)
18. LUMINOUS EGRESS PATH MARKINGS (BC 1704.30 / BC 1024.8)
19. MASONRY

TABLE 809.5 MIN. INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

SEISMIC / EARTHQUAKE CODE NOTES (81654)
1. EARTHQUAKE LOADS, EVERY BUILDING STRUCTURE AND PORTION THEREOF SHALL, AT MINIMUM, BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF SEISMIC GROUND MOTIONS
2. NEW CONCRETE WALLS TO HAVE STANDARDS LADDER TYPE HORIZONTAL REINFORCEMENT AT 16 INCHES ON CENTER VERTICALLY
3. PROVIDE BOND BEAM WITH TWO #6 REBARS AT TOP OF EACH FLOOR
4. NEW CONSTRUCTION HAS BEEN DESIGNED IN COMPLIANCE WITH LOCAL LAW 10/95 RULES AND REGULATIONS
5. THE PLANS COMPLY WITH THE SEISMIC CODE REQUIREMENTS OF LOCAL LAW 7/95 RULES AND REGULATIONS

LEGEND
ONE HOUR RATED PARTITION
TWO HOUR RATED PARTITION
PARTITION TYPE
DOOR NUMBER
DOORS
REVISION NUMBER (REFER TO NOTES FOR DESCRIPTION)
AREA OF REVISION (REFER TO NOTES FOR DESCRIPTION)
DRAWING REVISIONS

DETAILS
SECTION NUMBER SHEET NUMBER
OBSCURE GLAZING
EXTERIOR SECURITY BUILDING GLASS - M.O. / WINDOW NUMBER
ROOM DATA

FURNITURE AND EQUIPMENT TO BE PROVIDED AND INSTALLED BY THE BUREAU OF SUPPLIES
HANDICAPPED USABLE ACCESSIBLE GUEST ROOM
HEARING IMPAIRED ACCESSIBLE GUEST ROOM
EXIT & FIRE PROTECTION DEVICES
SMOKE DETECTOR [SMOKE DETECTING DEVICES TO COMPLY WITH BC. AS PER 27-979 [C26-1705.2]
CARBON MONOXIDE [CARBON MONOXIDE DETECTING DEVICES TO COMPLY WITH BC. AS PER 27-981]
WALL MOUNTED EXIT SIGN
CEILING MOUNTED EXIT SIGN
EMERGENCY LIGHTING [AS PER BC. SECTION 27-396.4 [C26-610]
MECHANICAL TOILET EXHAUST
KITCHEN EXHAUST
LINEN CHUTE
PIPES
OIL RISER (20" X 20")
F.C.S. FIRE COMMAND STATION
FIRE EXTINGUISHER CABINET

REVISIONS
DATE DESCRIPTION

ISSUED DRAWINGS
DATE DESCRIPTION

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291 LIVINGSTON STREET
BROOKLYN, NY 11217

BUILDING CODE NOTES
SEAL & SIGNATURE
DATE: 5/11/2017
SCALE: NTS
DRAWING NUMBER:
A-101.01
PAGE #

GENERAL NOTES

1. All materials, assemblies, forms and methods of construction and service equipment shall comply with the requirements of Building code 2008.
2. All elevations indicated are actual elevations and refer to datum used by topographical bureau, borough president's office, Manhattan, which is 2.75' above the U.S. coast and geodetic survey mean sea level datum at Sandy Hook.
3. At least 24 hour written notice shall be given to the commissioner before commencement of work as per code.
4. Five days prior notice shall be given to adjoining lot owners affected by foundation, earthwork or demolition.
5. Deleted.
6. All paved walks, surfaces and areaways will be drained adequately within the site.
7. Where pipes, wires, conduits, ducts, etc. pierce fire protection of individually encased structural members, such penetration shall not exceed 2% of any one face of such protection, and shall be closed off with close fitting metal escutcheons or plates. (BC 714 & BC 716).
8. Ceilings that contribute to the required fire-resistance rating of a floor or roof assembly shall be continuous between fire division, fire separations or vertical partitions having the same fire resistance rating as the ceiling. Concealed space not exceeding above such ceiling, unless sprinklered, shall be fire stopped into areas 3,000 square feet, protected by self-closing opening protectives (BC 711).
9. Ducts, pipes, and conduits passing through rated construction shall have spaces not exceeding 1/2 inch packed with rope asbestos or mineral wool and closed off with close fitting metal escutcheons. Aggregate area of such opening shall not exceed 25 square inches in any 100 square feet of wall or floor areas unless protected by rated self-closing devices (BC 716).
10. Fire divisions shall comply with provisions of section (BC 708) and shall be continuous through any concealed space in floor or roof construction.
11. Tenants not separated by fire divisions, shall be separated by fire separations, but not less than one hour separations shall continue shall continue through concealed spaces above (BC 708).
12. Opening in fire divisions and separations to comply with section (BC 709.5).
13. Concealed spaces within partitions, walls, floors, stair, furring, pipe spaces, column enclosures, etc., shall be fire stopped (except where concealed space is sprinklered) with non-combustible material. (BC-804)
14. Finished flooring in all exits shall be of non-combustible material (BC 804).
15. All exits shall be kept readily accessible and unobstructed at all times.
16. Stairs shall have handrails on each side (except that stairs less than 44 inches wide shall have a handrail on one side only). Handrails shall provide a finger clearance of 1 1/2 inches and shall project not more than 3 1/2 inches into required stair width. Stairs more than 88 inches wide shall have intermediate handrails. Height of handrail shall be between 30 and 34 inches above the tread nosing. Materials of handrails shall have a flame spread rating not exceeding 150. Handrails shall be designed to resist a simultaneous application of a lateral force of 40#/L.F. and vertical load of 50#/L.F. Landings and platforms shall be enclosed on sides by wall or railings, at least 3-0" high. Risers shall be maximum 7 3/4" high, treads minimum 9 1/2" wide, exclusive of nosing and the sum of 2 risers plus one tread exclusive of nosing shall be not less than 24 nor more than 25 1/2.
17. Treads and landing shall be built of/ or surfaced with nonskid materials.
18. Illumination of at least 5 foot candles measured at the floor level shall be maintained continuously during occupancy, in exits and their access facilities (BC 1006).
19. Exit lighting shall be on circuits, taken off ahead of main switch.
20. Location of every exit on floor shall be clearly indicated by exit signs placed if required at angle with exit openings. Install directional signs to serve as guides from all portions of the corridor opening on floor (BC 1011).
21. Exit signs shall be internally lighted, having an initial brightness or letter of at least 25 foot lamberts. Letters shall be red, the background shall be white. Letters shall be black lettering at least 4 1/2" high, with 9/16" strokes background.
22. Corridors and exit passageways shall have a clear height of 7'-6" for at least 75% of the floor area with no point less than 7 feet in height. Projection below the ceiling shall not obstruct full view of exit signs (BC 1016 & BC 1020).
23. Conduits in fire-rated partitions will not exceed 3/4 inch diameter. Outlets in such partitions will be backed up with approved materials.
24. No conduits, pipes, medicine cabinets, etc., shall encroach upon fire rated partitions enclosing public corridors, stairs, elevator shafts or vent shafts.
25. Exit doors shall be readily operable at all times from the side from which egress is to be made. Doors opening into interior enclosed stairs shall not be locked from tenant side, except they may be locked to prevent access to the stair from the outdoors at street level.
26. All wire glass in rated doors and windows will be of a type approved by the B.S.A.
27. All cleaning of Windows will be in conformity with the window cleaning code.
28. Penetration of openings in walls, partitions, or floors for pipe sleeves, medicine cabinets, hampers, electric devices, etc., shall be packed, sealed, lined, or otherwise isolated to maintain the required S.T.C. rating.
29. All openings to elevator shafts will be provided with doors having a 1 1/2 hour rating. All doors to be self-closing and at option of the owner provided with vision panel of approved type clear wire plate glass.
30. Masonry materials shall conform to the requirements of BC 2101. Mortar to be type "N"and shall conform to BC 2103.7
31. The design of masonry walls is predicated upon analysis of stresses as per BC 2105.2.2.1.2
32. All masonry load bearing and non-load bearing walls shall be bonded in accordance with BC 2102.1
33. Contractor shall check all conditions and dimensions at site before commencing construction. Architect shall be notified of any error or omissions before work in question is started.
34. Contractor is responsible for obtaining all permits required prior to starting the work and also obtain the Certificate of Occupancy.
35. Remove all existing walls, partitions, doors, flooring, ceilings, fixtures, etc. as shown on drawings or as required to install new work.
36. Where existing bearing walls, beams or any other structural support of the existing building is being removed, Contractor shall do all necessary shoring, needling, underpinning, etc. as required to maintain the safety of the structure, the workers, and the general public. the structure, the workers, and the general public.
37. Patch and repair existing construction where disturbed by new work and as called for on drawings.
38. All such materials designated for "Special Inspection" shall be inspected by an Architect or Engineer retained by the Owner.
39. Ornamental projections and door swings shall not project more than 18" beyond the building line.
40. Storefronts shall sustain a wind load of 30# per square foot.

41. All storefront materials shall have an incombustible rating and panel veneer to comply with B.S.A. Rule #465/445R.
42. Interior wall and ceiling finish shall have a flame spread index not greater than the following (comply with section BC 803):

Location	Class R-1:
Vertical Exits & Exit Passageways	B (26-75)
Exit Access Corridors & Other Exitways	B (26-75)
Rooms & Enclosed Spaces	B (26-75)

43. All new steel resting on masonry shall have three courses of brick under same and bearing plates under steel.
44. All reinforced concrete materials, designs and construction shall be as per ACT 318, 1963 edition and BC 1903
45. Plain concrete shall have a minimum factor of five bags per cubic yard and shall develop a strength of 2,500 p.s.i. as per Table 10.3, and a water-cement ratio slump of 5:1. Other concrete requirements are listed on the structural drawings.
46. Three test cylinders shall be provided in accordance with BC 2105.3.1
47. All structural steel fabrication and erection shall be in accordance with the latest ASTM specifications for A-36 and A-50 steel.]
48. Contractor shall file the affidavit of the producer of steel, certifying that the provisions of the local Code are met.
49. All connections shall be 3/4" bolts or greater, as required.
50. All steel surfaces not in contact with concrete, shall receive one shop coat of approved paint.
51. All welding to be performed by N.Y.C. licensed welders.
52. Lintels over openings wider than four feet in masonry walls shall be fire-protected with materials having the required fire resistance rating of the wall supported.
53. New masonry shall be laid up in Mortar conforming BC 2103.7 ASTM C270 and it's proportions.
54. Brick shall be anchored to block with truss-type galvanized metal anchors every 160 square inches.
55. Block walls shall have "Dur-0-Wall" metal wall ties every other block course.
56. A minimum of three courses of brick shall be provided under all joists resting on masonry.
57. All plumbing work shall be performed by a licensed plumber and shall conform to all Code requirements.
58. All fixtures shall be properly vented and shall have shut-off valves at each fixture with water supply in copper pipes.
59. All soil, waste and vent lines in floor 2" and larger, shall be E.H.C.I., and shall have clean outs at the base of all lines. Vents shall project through the roof, 4"-0".
60. Temperature requirements shall be a 70 degree inside temperature when 0 degrees outside, for all occupied areas.
61. Ventilation of toilets shall comply with Code.
62. All ductwork and fire dampers shall comply with Code.
63. All service equipment shall MEA approved and an Equipment Use Permit shall be obtained by the installation contractor for all such equipment.
64. All electrical work shall be performed by a licensed electrical contractor.
65. The entire electrical installation shall conform with all local laws, the National Electrical Code and local utility's requirements.
66. All partitions to be wedged tightly to ceiling.
67. Plate glass to comply with NYC building Code.
68. Glass doors to comply with Code as approved by the B.S.A.
69. Hung Ceiling to comply with Section Code.
70. Hung Ceiling to be of incombustible material.
71. Provide B.S.A. approved type phosphorescent exit lights and signs as per Section BC 403.16.
72. Provide signs at elevator landings as per BC 1026.
73. Provide floor numbering signs as per BC 1026.
74. Provide stair and elevator identification signs as per Section (BC 1026.3).
75. Comply with Local Law 76 for asbestos.
76. Comply with New Building Code for handicapped accessibility.
77. Upon completion of work, contractor shall obtain and pass plumbing, electrical, sprinkler and elevator inspections from the building dept. and fire dept. pay all fees and be available for all construction inspections necessary for the new certificate of occupancy.
78. Comply with local law 17/95 for earthquakes
79. Refuse Chute as per BC 1213.3 and BC 707.13.
79. Proposed building to comply with TIPN 10/88. located within 90' of a Landmark
80. Fill is less than 300 cubic yards.
81. There are no High Speed Elevators in this project.
82. Exit signs and Emergency lighting are tied into emergency generator as per BC 403.11.1.

ALL PLUMBING SYSTEMS AND EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED, AND MAINTAINED, IN ACCORDANCE WITH THE 2008 N.Y.C. BUILDING CODE SECTION BC 2901.1.

PLUMBING CONTRACTOR TO COMPLY WITH 2014 N.Y.C. BUILDING CODE SECTION BC F101 RODENT PROOFING REQUIREMENTS FOR PLUMBING CONSTRUCTION.

NYC BUILDING CODE 2014 – HI-RISE BUILDINGS:

- 403.2 Automatic sprinkler system. Buildings and structures shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. A secondary water supply shall be provided where required by Section 903.3.5.2 and in any building having occupied floors more than 300 feet (91 440 mm) above the lowest level of Fire Department vehicle access.
- 403.5 Automatic fire detection. Smoke detection shall be provided in accordance with Section 907.2.12. 1.
- 403.6 Emergency voice/ alarm communication systems. An emergency voice/ alarm communication system shall be provided in accordance with Section 907.2.12.2.
- 403.7 Fire Department communications systems. A two-way fire department communications system shall be provided for Fire Department use in accordance with Section 907.2. 12.3.
- 403.8 Fire command. A fire command center complying with Section 911 shall be provided in a location approved by the Fire Department.
- 403.9 Elevators. Elevator operation and installation shall be in accordance with Chapter 30.
 - 403.9.1 Elevator lobbies. Elevator lobbies shall be provided in accordance with Sections 403.9.1.1 and 403.9.1.2.
 - 403.9.1.1 Applicability. Elevator lobbies shall be provided at the following locations:
 1. Elevators opening onto a fire-resistance-rated corridor. In all occupancy groups, elevator lobbies shall be provided at any location where an elevator opens onto a fire-resistance-rated corridor.
 2. Elevators serving Group B occupancies. Notwithstanding Item 1, elevators that serve four or more stories that contain space classified in occupancy Group B, inclusive of any lobby or entrance level, shall provide elevator lobbies at every level served by such elevator.
- 403.11.1 Emergency power systems. An emergency power system complying with Section 2702 shall be provided for emergency power loads specified in Sections 403.11.1 and 403.11.2
- 403.12 Stairway door operation. Doors opening into interior stair enclosures shall not be locked from either side. However, a door locked from the stair side may be permitted provided that such door is equipped with an automatic fail safe system for opening in the event of the activation of any automatic fire detection system, or when any elevator recall is activated, or when any signal is received from the fire command center. Such door shall be deemed as operable from the stair side. Stair reentry signs shall be posted throughout the stairway indicating that reentry is provided only during fire emergencies. Such signs shall be in accordance with Section 1026.4.2.
- 403.13 Smokeproof exit enclosures. Every required stairway serving occupied floors more than 75 feet (22,860 mm) above the lowest level of fire department vehicle access shall comply with Sections 909.20 and 1019.1.8 Exception for R-2 occupancies: Smokeproof enclosures are not required in occupancy Group R-2 unless provided pursuant to Exception 2 of Section 912.1
- 403.14 Siesmic considerations. For siesmic considerations, see Chapter 16.
- 403.15 Impact resistant stair enclosures. Exit stair enclosures shall be constructed of impact resistant walls. Minimum impact-resistance standards shall be established by rules of the department.
- 403.16 Exit path markings. All high-rise buildings shall be provided with photoluminescent exit path markings conforming to Section 1026. Exception: Exit paths serving Group R-2
- 403.17 Outdoor air intake. For hi-rise buildings, outdoor air intake serving spaces above second story and serving spaces greater than 10,000 square feet (929m2) of floor area shall be located in accordance with Section 401.5 of the New York City Mechanical Code.
- 403.18 Open web steel joists. The use of open steel joists shall be prohibited in hi-rise buildings until the commissioner promulgates rules establishing acceptable fireproofing methods.
- 404.1 General. In other than Group H occupancies, and where permitted by Exception 5 in Section 707.2, the provisions of this section shall apply to buildings or structures containing vertical openings defined herein as atriums.
- 404.2 Use. The floor of the atrium shall not be used for other than low fire hazard uses, and only approved materials and decorations in accordance with the New York City Fire Code shall be used in the atrium space. Exception: The atrium floor area is permitted to be used for any approved use where the individual space is provided with an automatic sprinkler system in accordance with Section 903.1.1
- 404.3 Automatic sprinkler protection. An approved automatic sprinkler system shall be installed throughout the entire building.
- 404.4 Smoke control. A smoke control system shall be installed in accordance with Section 909.
- 404.5 Enclosure of atriums. Atrium spaces shall be separated from adjacent spaces by a 2-hour fire barrier wall.
- 404.6 Emergency power. Equipment required to provide smoke control shall be connected to an emergency power system in accordance with Section 909.11
- 404.7 Interior Finish. The interior finish of walls and ceilings of the atrium shall not be less than Class B with no reduction in class for sprinkler protection.
- 404.8 Travel distance. In other than the lowest level of the atrium, where the required means of egress is through the atrium space, the portion of exit access travel distance within the atrium space shall not exceed 200 feet (60,960mm).
- 404.9 Types of construction. Building containing atriums shall be only Type I, IIA and IV construction.
- 405.1 General. The provisions of this section apply to building spaces having a floor level used for human occupancy more than 30 feet (9144mm) below the lowest level of exit discharge.
- 405.2 Construction requirements. The underground portion of the building shall be Type I construction.
- 405.3 Automatic sprinkler system. The highest level of exit discharge serving the underground portions of the building and all levels below shall be equipped with an automatic sprinkler system installed in accordance with Section 903.3.1.1. Water-flow switches and control valves shall be supervised in accordance with Section 903.4.
- 405.5 Smoke control system. A smoke control system shall be provided in accordance with Sections 405.5.1 and 405.5.2

NYC BUILDING DEPARTMENT STANDARDS 2014 CODE

- EARTHWORK
 1. NOTIFICATION WILL BE PROVIDED TO DOB 24-48 HOURS PRIOR TO COMMENCEMENT OF EARTHWORK AS PER BC 3304.3.1
- PLUMBING
 1. ALL PLUMBING SYSTEMS AND EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED, AND MAINTAINED, IN ACCORDANCE WITH THE 2008 N.Y.C. BUILDING CODE SECTION BC 2901.1.
- MECHANICAL
 1. MECHANICAL EQUIPMENT AND BUILDING SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE 2008 NEW YORK CITY MECHANICAL CODE AND THE 2008 NEW YORK CITY FUEL GAS CODE
- STRUCTURAL
 1. PROVIDE NOTE. INDICATE BUILDING, STRUCTURES AND PARTS THEREOF ARE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH STRENGTH DESIGN, LOAS AND RESISTANCE FACTOR DESIGN, ALLOWABLE STRESS DESIGN, EMPIRICAL DESIGN AND CONVENTIONAL CONSTRUCTION
- RODENT-PROOFING
 1. THE BUILDING WILL COMPLY WITH RODENT-PROOFING REQUIREMENTS FOR DESIGN AND CONSTRUCTION AS PER BC F101.
 2. PLUMBING CONTRACTOR TO COMPLY WITH 2008 N.Y.C. BUILDING CODE SECTION BC F101 RODENT-PROOFING REQUIREMENTS FOR PLUMBING CONSTRUCTION.

SIESMIC/EARTHQUAKE CODE NOTES (BC 1614):

1. EARTHQUAKE LOADS-EVERY BUILDING, STRUCTURE AND PORTION THEREOF SHALL, AT A MINIMUM, BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF SIESMIC GROUND MOTIONS.
2. NEW CONCRETE BLOCK WALLS TO HAVE STANDARD LADDER TYPE HORIZONTAL REINFORCEMENT AT 16 INCHES ON CENTER VERTICALLY.
3. PROVIDE BOND SEAM WITH TWO #6 REBARS AT TOP OF EACH FLOOR.
4. NEW CONSTRUCTION HAS BEEN DESIGNED IN COMPLIANCE WITH SIESMIC CODE LOCAL LAW 10/95 RULES AND REGULATIONS.
5. THESE PLANS COMPLY WITH THE SIESMIC CODE REQUIREMENTS OF LOCAL LAW 7/95 RULES AND REGULATIONS.

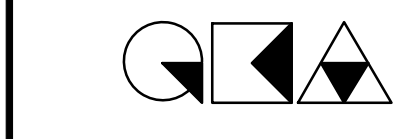
THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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ISSUED DRAWINGS



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STRUCTURAL ENGINEER



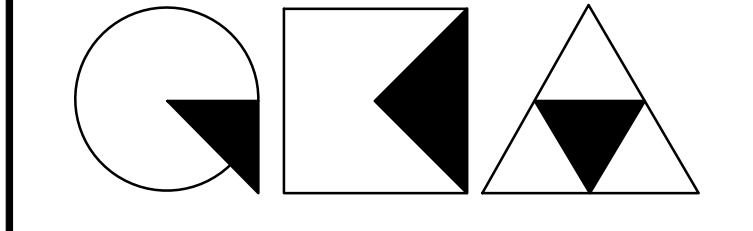
GENE KAUFMAN ARCHITECT PC

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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL




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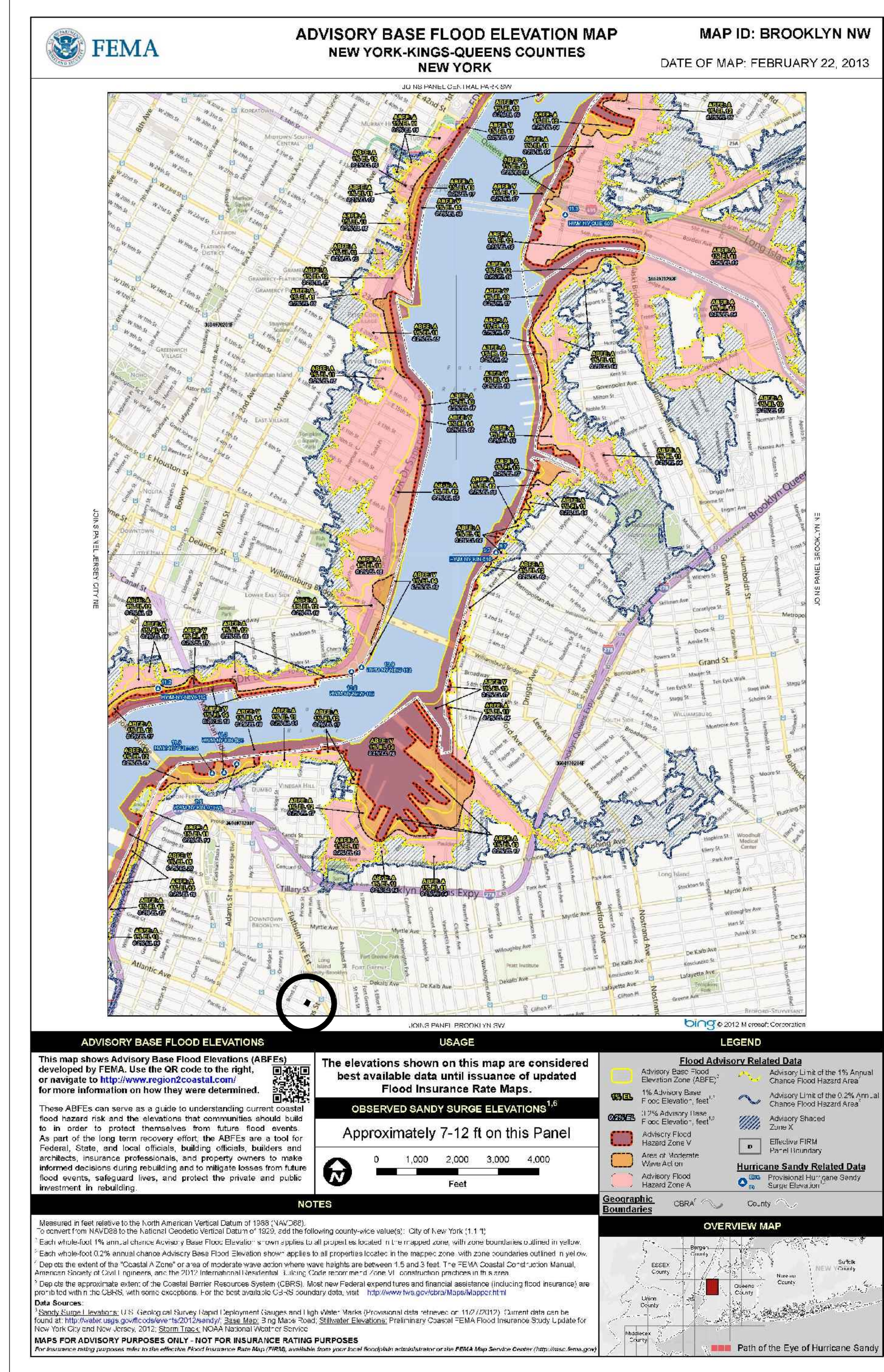
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

HOUSING MAINTENANCE CODE

SEAL & SIGNATURE 	DATE: 5/11/2017
	SCALE: NTS
	DRAWING NUMBER:
	A-102.00
	PAGE #

CONSTRUCTION STANDARDS BC G3

- To the extent required by section BC G102.1 all developments including but not limited to utility installation, site improvements, placement of prefabricated buildings and manufactured homes, new building construction, alterations and repairs, shall be designed and constructed to resist the effects of flood hazards and flood loads in accordance with appendix G and ASCE 24, BC G301.1
- For structures located in more than one zone, the provisions associated with the most restrictive area of special flood hazard shall apply to the entire structure as per BD G301.1.1
- Subdivision proposals, including proposals for manufactured home parks shall comply with BC G302.1 & BC G302.2
- Developments in floodways shall be in compliance with BC G303.1
- New and replaced water and sewer facilities to be in compliance with Chapter 8, ASCE 24, BC G303.2 & BC G
- Storm drainage in compliance with ASCE 24, BC G303.4
- Streets and Sidewalks in compliance with BC G303.5 and shall meet the requirements of section BC G303.7.
- Retaining walls and driveways to meet the requirements of section BC G303.7. (BC G303.6)
- Grading and fills in areas of special flood hazard shall meet the requirements of section G303.7
- Post-FIRM construction and substantial improvements located within A-Zones shall meet the standards in section BC G304. (BC G304.1)
- (For flood zone purposes) All post-FIRM residential new buildings and/or structures shall comply with the applicable requirements in chapter G3 and ASCE 24, and shall be in accordance with BC G304.1.1
- (For flood zone purposes) All post-FIRM nonresidential new buildings and substantial improvements shall comply with the applicable requirements in chapter G3 and ASCE 24, and shall be in accordance with BC G304.1.2
- In addition to the requirements of ASCE 24, Constructions and improvements located within V-Zones shall be in compliance with BC G304.2
- Manufactured homes shall be prohibited in V-Zones. Within A-Zones, all new, replaced or substantially improved manufactured homes shall comply with section BC G305 MANUFACTURED HOMES.
- Recreational Vehicles placed within areas of special flood hazard shall comply with section BC G306 RECREATIONAL VEHICLES
- Underground tanks in areas of special flood hazard shall comply with BC G307.1
- Above-ground tanks in areas of special flood hazard shall comply with BC G307.2
- Tank inlets and vents in areas of special flood hazard to comply with BC G307.3
- Accessory structures shall be in conformance with BC G308 OTHER DEVELOPMENT



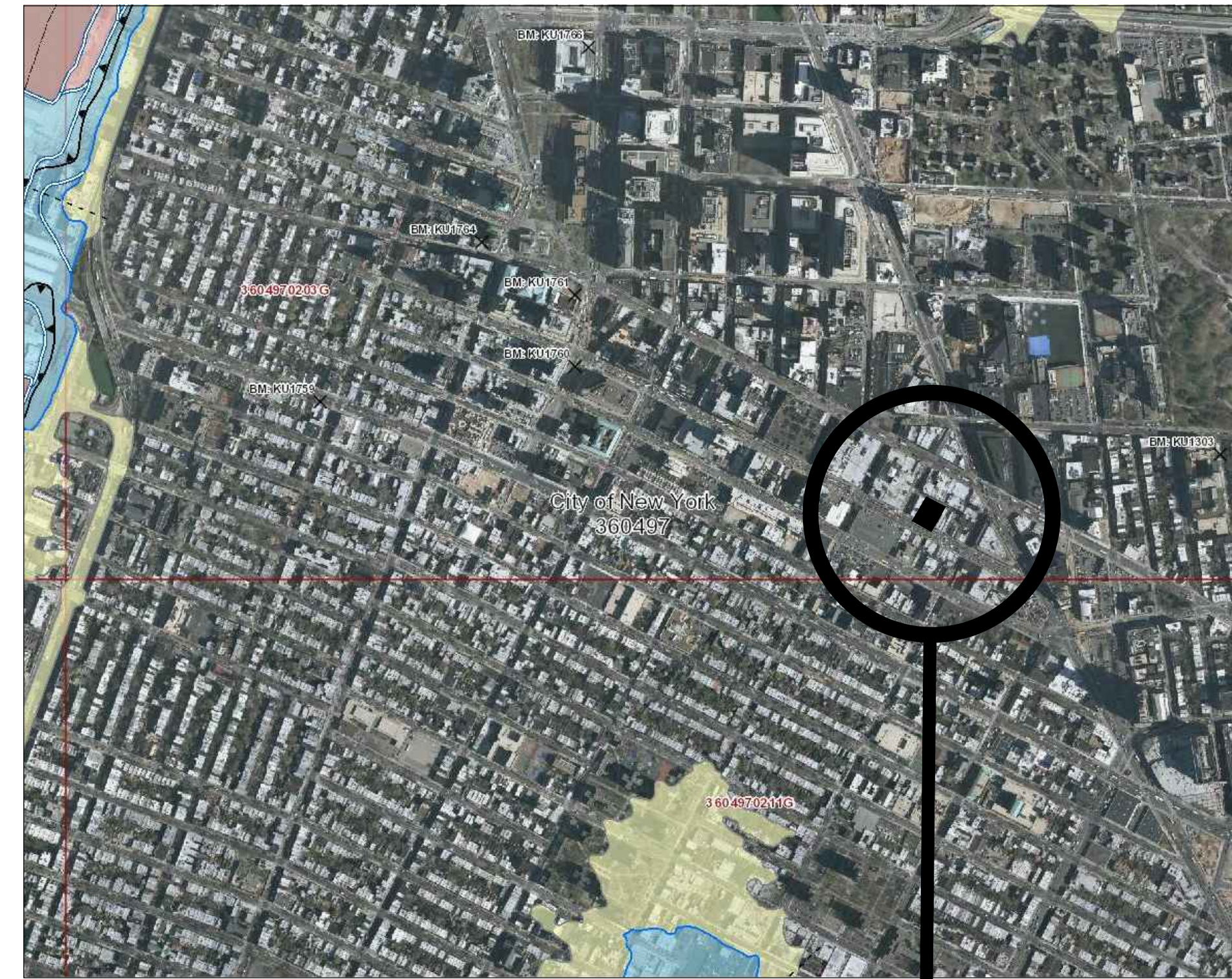
3 FLOOD ZONE MAP (2013)
 N.T.S.

291 LIVINGSTON STREET

BLOCK #: 161
 TAX LOT #: 61
 FLOOD ZONE: X
 FLOOD ELEVATION: N/A
 PROPOSED ELEVATION: N/A

NOTE:
 HOTEL DEVELOPMENT LOCATED IN AN X ZONE PER EFFECTIVE FIRM. AREA OF LOW RISK OUTSIDE THE REGULATORY 1%- AND 0.2% - ANNUAL CHANCE FLOODPLAINS. THIS BUILDING SHALL BE DESIGNED USING FEMA ADVISORY MAP OF 2013.

B.C. APPENDIX G:
 G.201.2 DEFINITIONS: ARE OF SPECIAL FLOOD HAZARD: AREAS DESIGNATED AS X-ZONES SHALL NOT BE DEEMED AREAS OF SPECIAL FLOOD HAZARD FOR PURPOSE OF THIS APPENDIX.



1 FLOOD ZONE MAP
 N.T.S.

291 LIVINGSTON STREET
 BLOCK: 161
 LOT: 61

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

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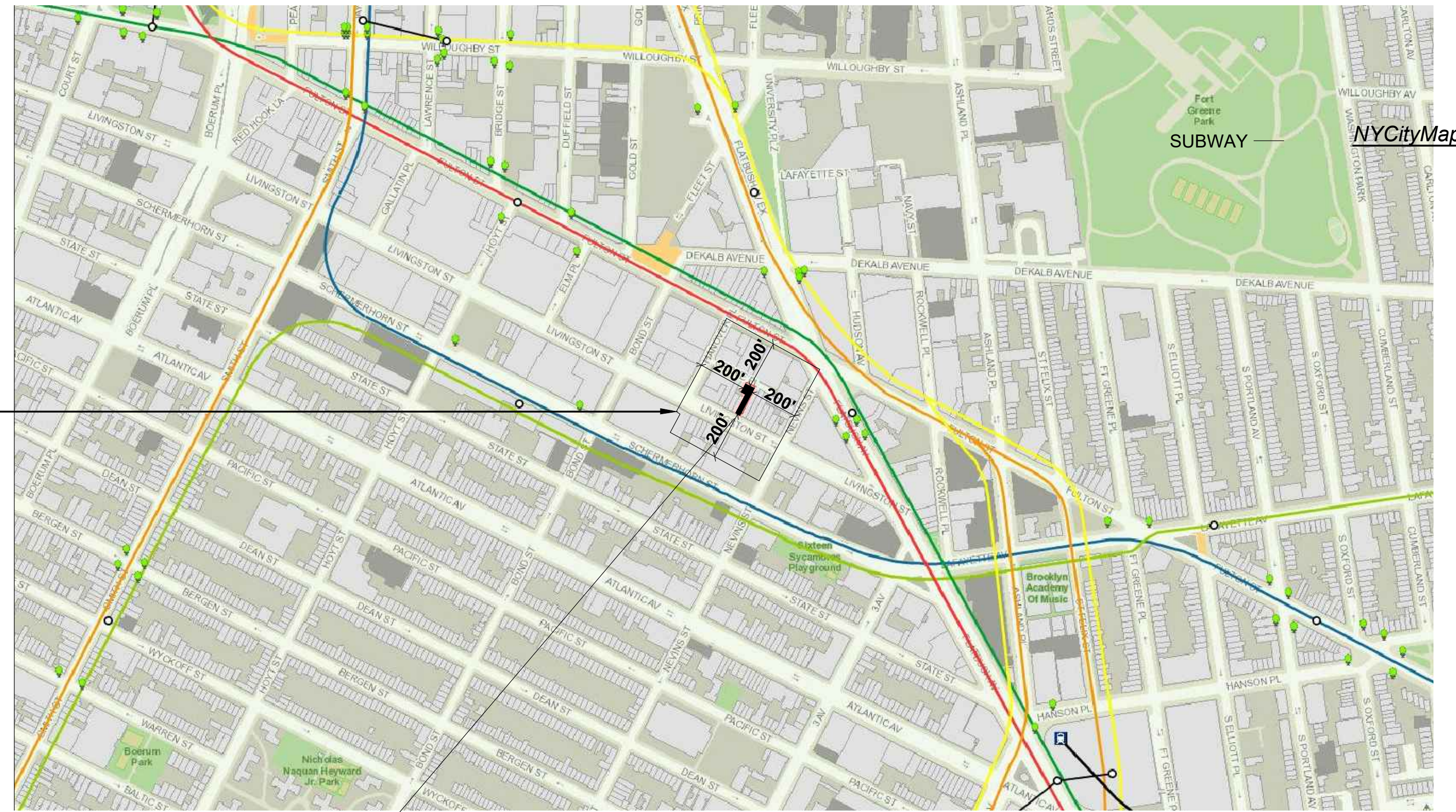
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FLOOD ZONE MAP & NOTES

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	DRAWING NUMBER: A-103.00
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RADIUS 200'

NOTE:
THIS BUILDING IS WITHIN 200'
OF THE SUBWAY.

291 LIVINGSTON, BROOKLYN, NY
BLOCK: 161
LOT: 61

2 BUILDING DISTANCE TO SUBWAY
N.T.S.

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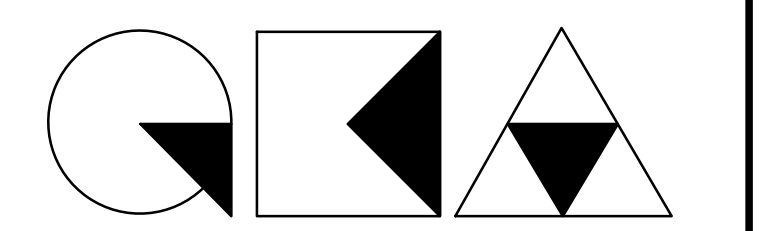
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MEP ENGINEER

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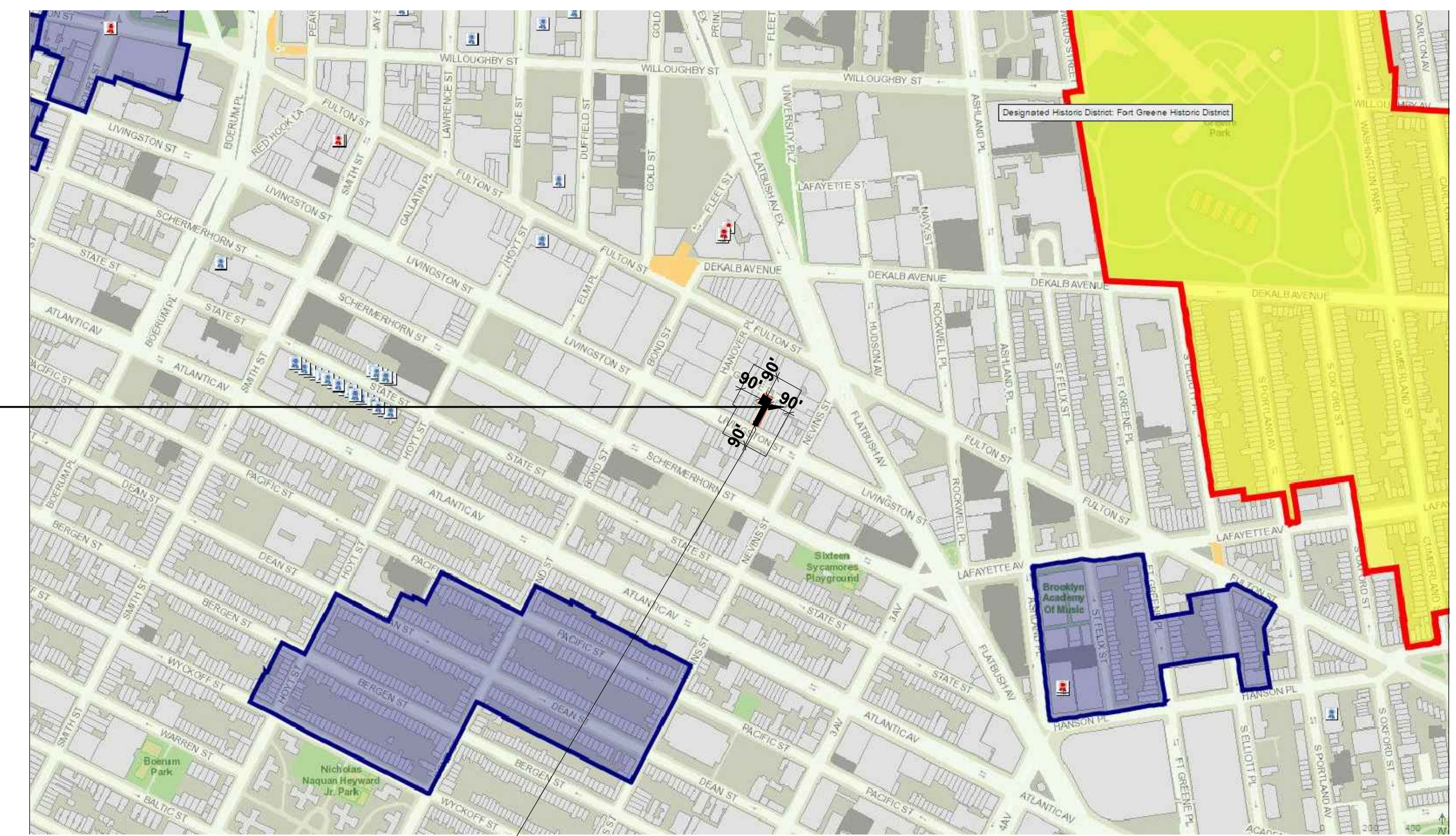


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LANDMARKS & SUBWAY MAPS

SEAL & SIGNATURE	DATE: 5/11/2017
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RADIUS 90'

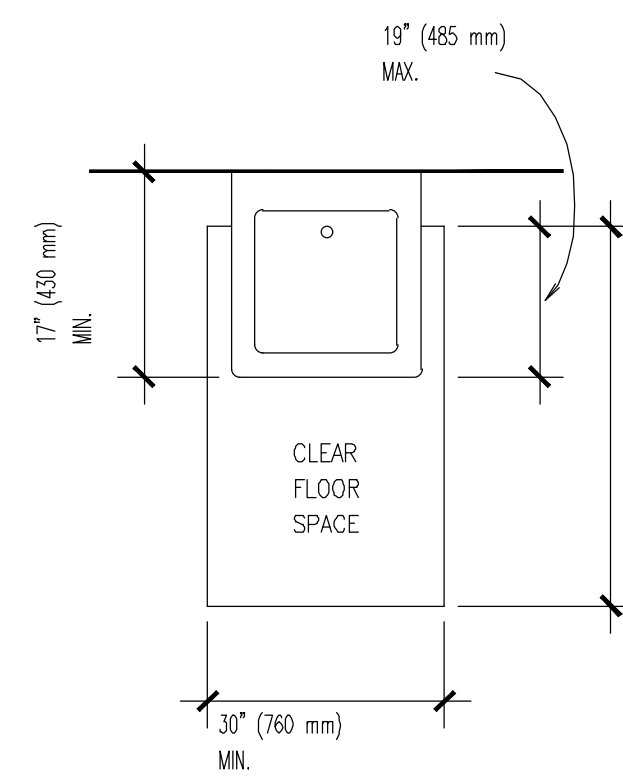
NOTE:
THIS BUILDING IS NOT
WITHIN 90' OF ANY
LANDMARK.

291 LIVINGSTON STREET, BROOKLYN, NY
BLOCK: 161
LOT: 61

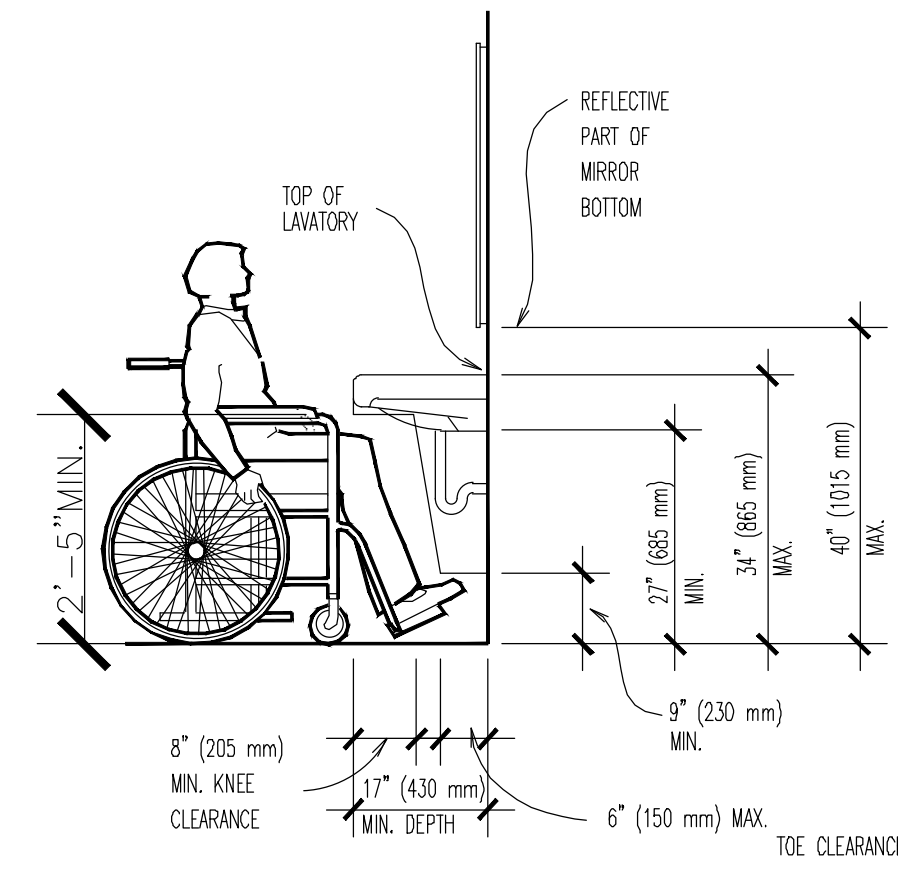
1 LANDMARK MAP
N.T.S.

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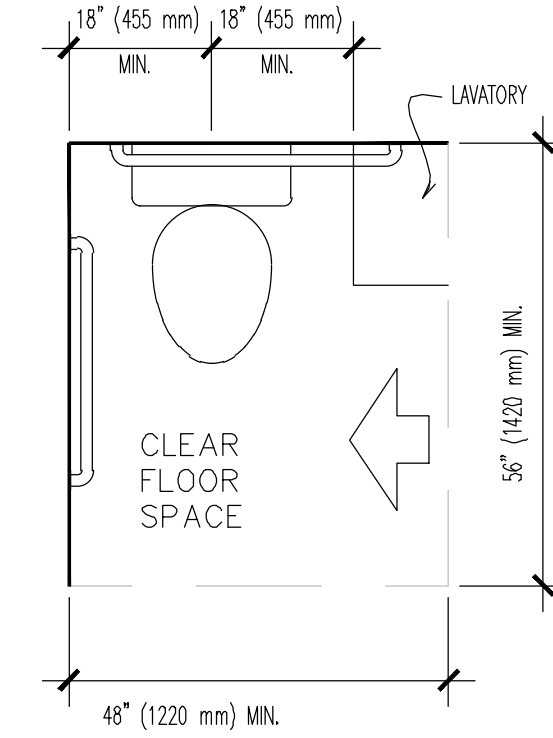
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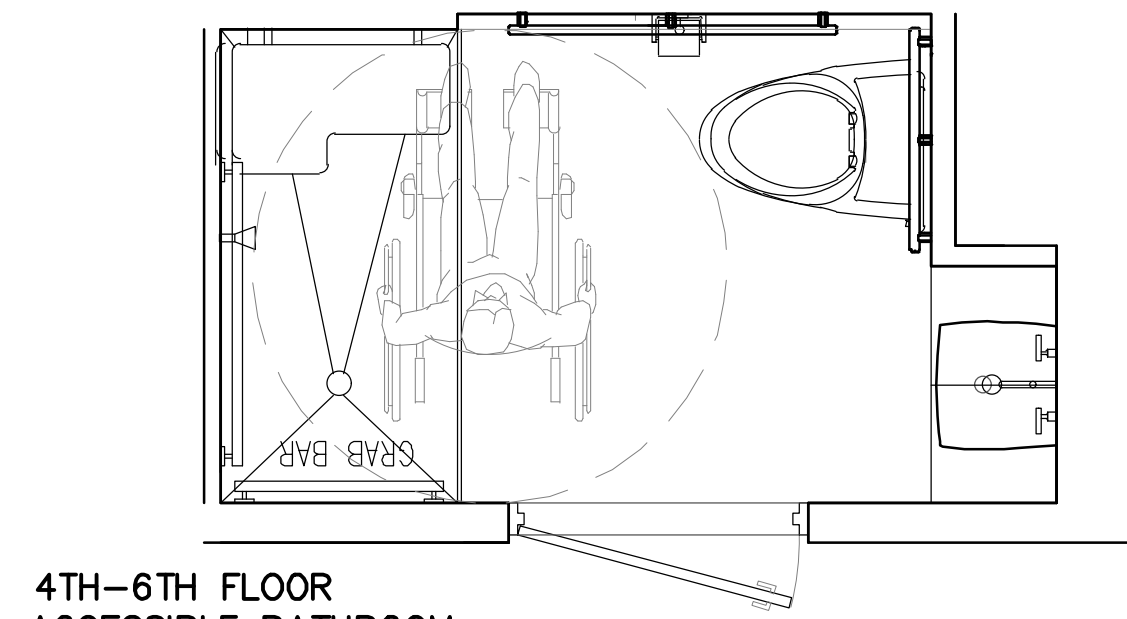
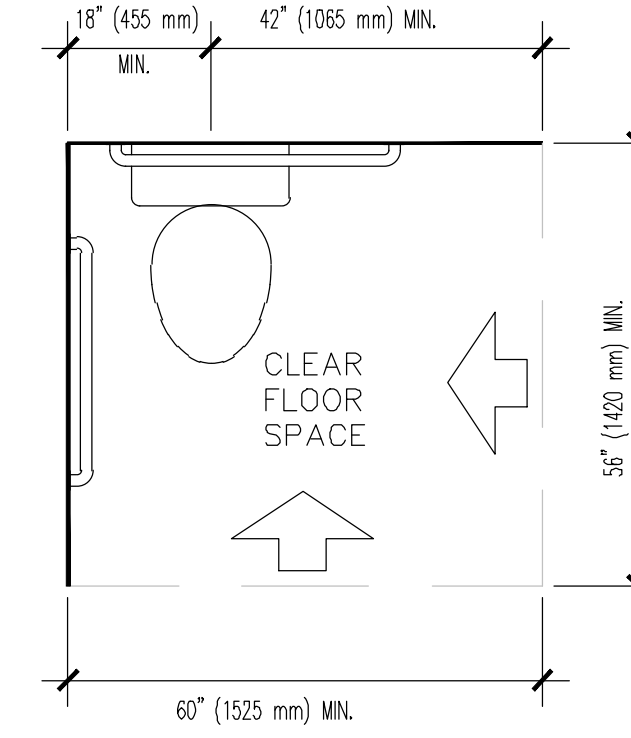
OPTIONAL ACCESSIBLE LAVATORY



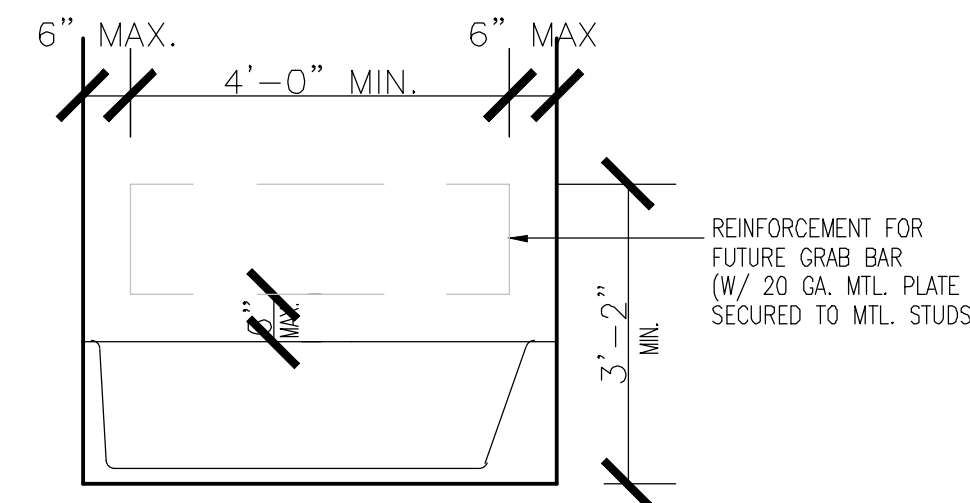
LAVATORY FOR ACCESSIBLE BATHROOMS LAVATORY



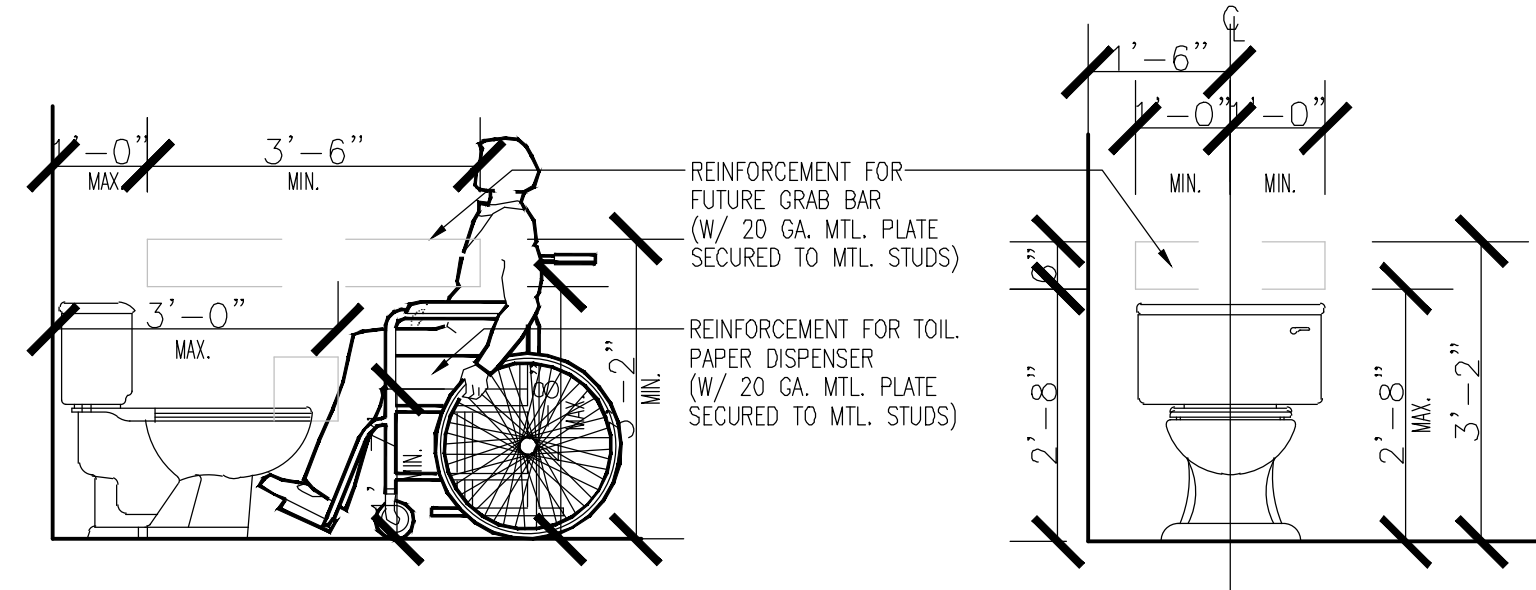
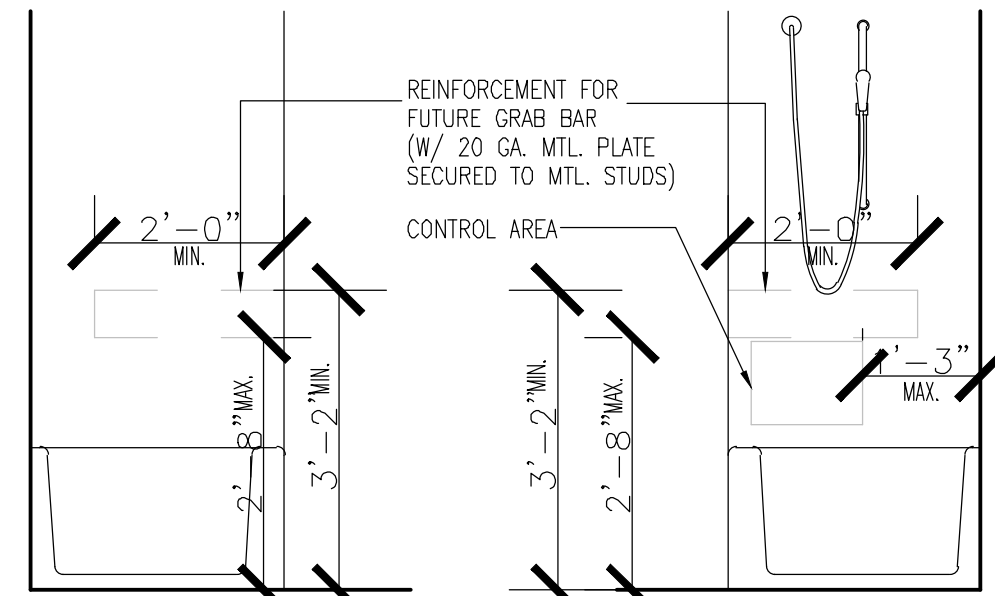
CLEAR FLOOR SPACE FOR ACCESSIBLE BATHROOMS WATER CLOSETS



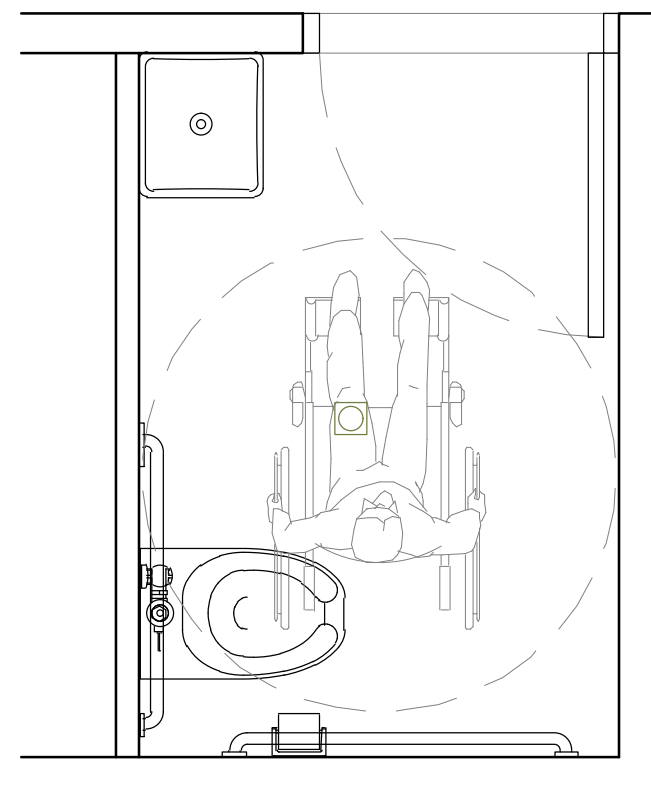
4TH-6TH FLOOR ACCESSIBLE BATHROOM BATHROOM



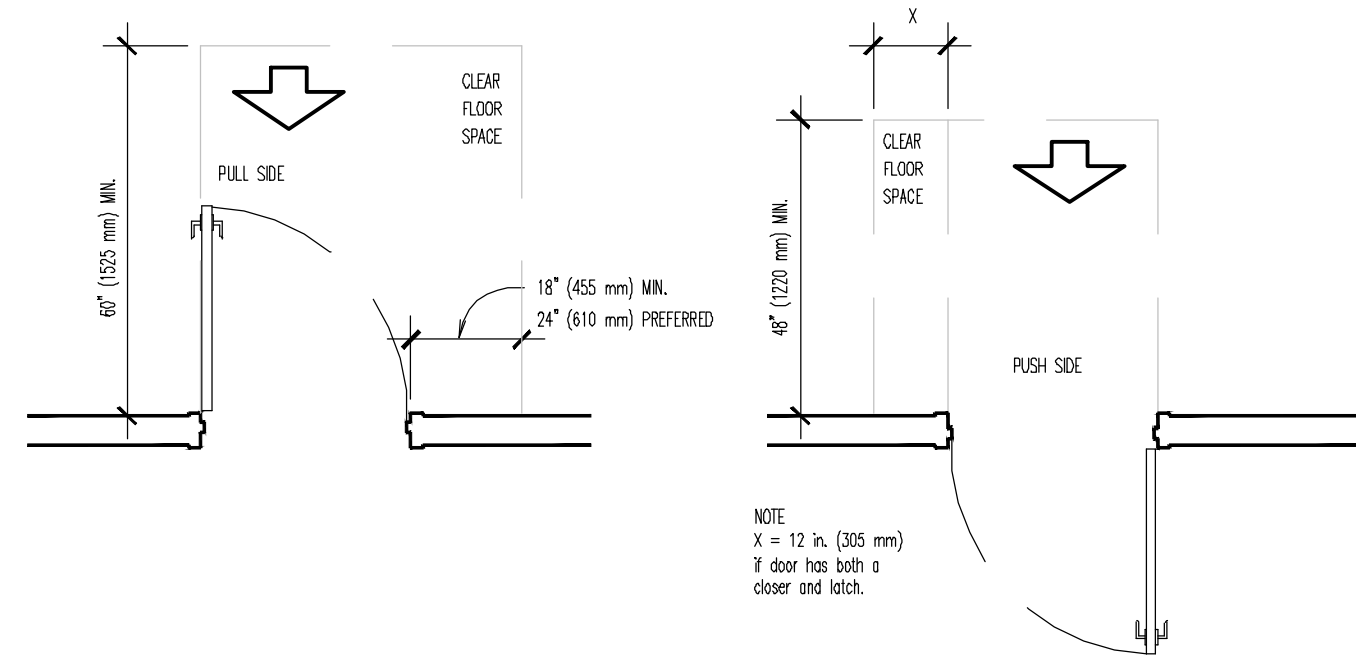
ACCESSIBLE BATHTUB BATHTUB



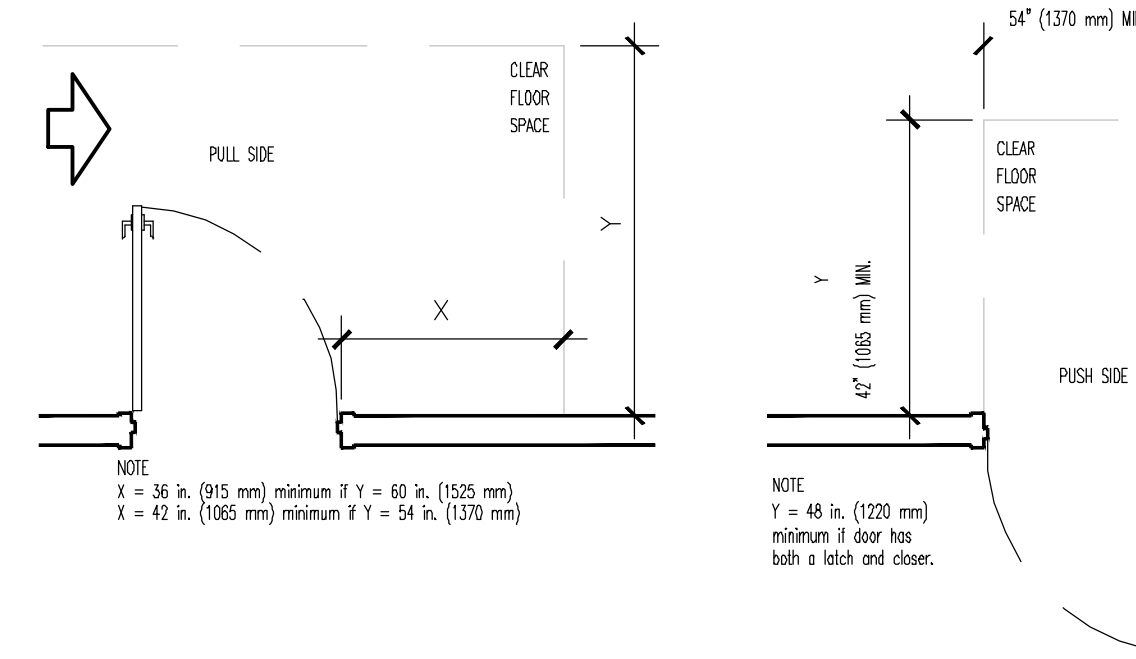
ACCESSIBLE WATER CLOSETS WATER CLOSETS



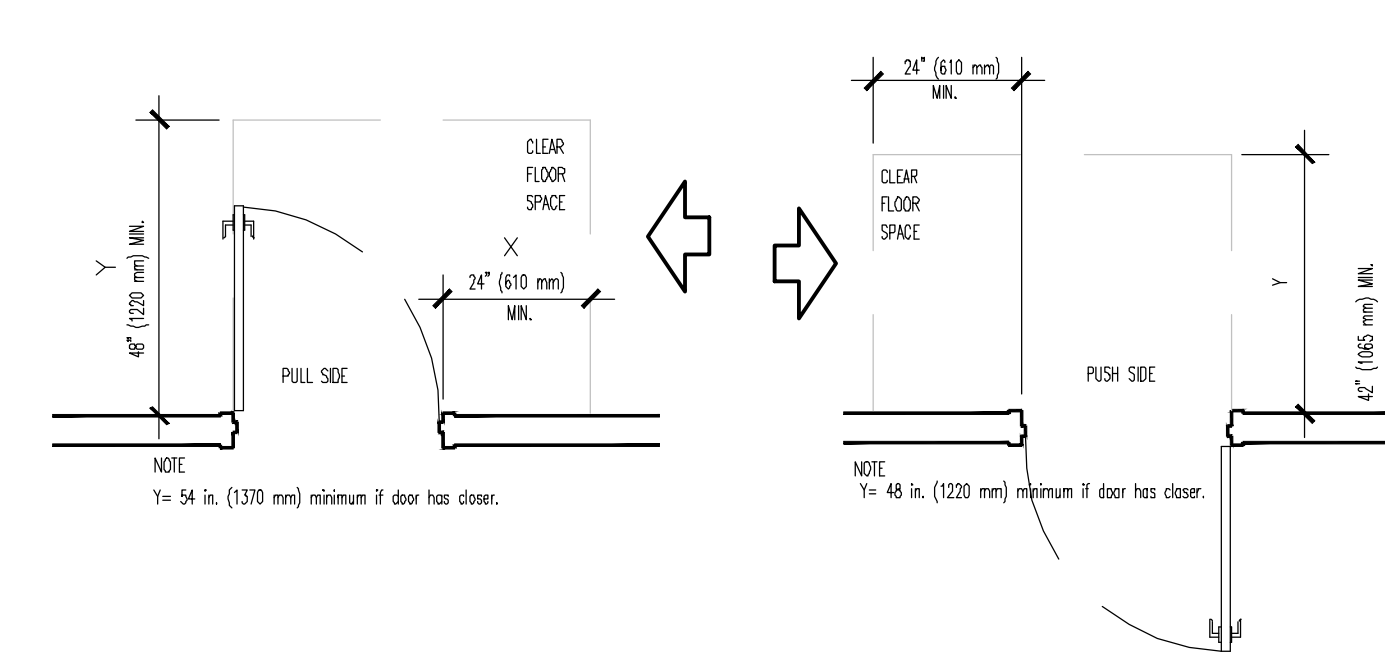
1ST FLOOR ACCESSIBLE BATHROOM BATHROOM



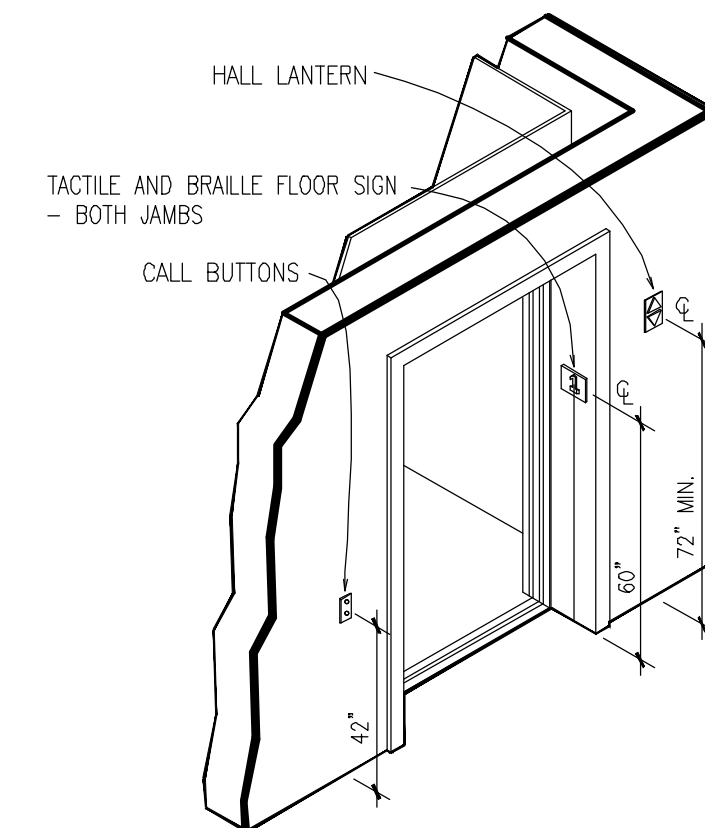
FRONT APPROACHES SWINGING DOOR



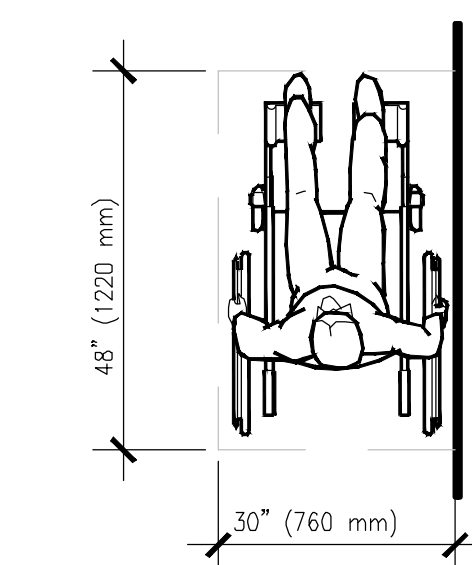
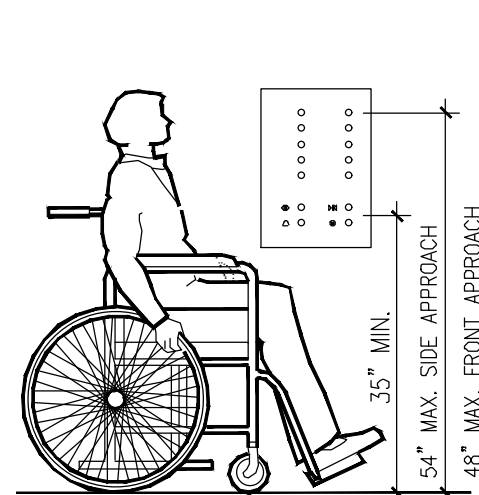
HINGE SIDE APPROACHES SWINGING DOOR



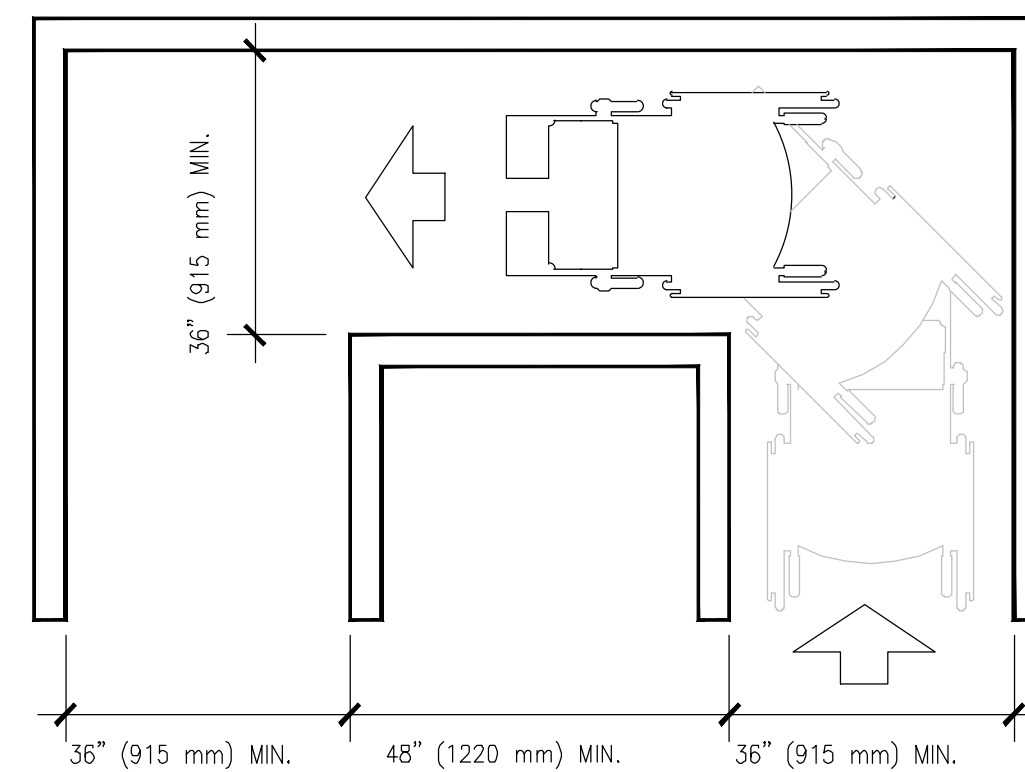
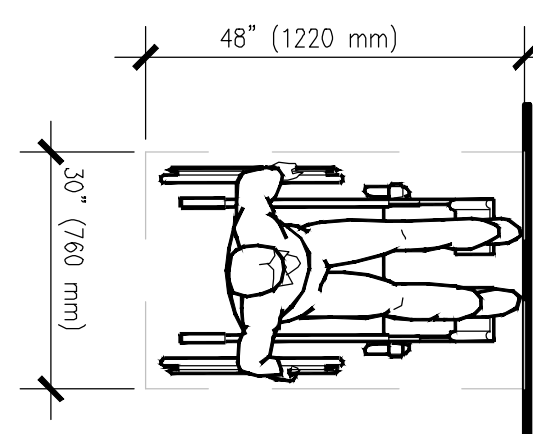
LATCH-SIDE APPROACHES SWINGING DOORS MANEUVERING CLEARANCES AT DOORS



ELEVATOR REQUIREMENTS



PARALLEL APPROACH FORWARD APPROACH MINIMUM CLEAR FLOOR SPACE FOR WHEELCHAIRS



90° TURN

GENERAL NOTES:

ACCESSIBLE ROUTE: A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ALL ACCESSIBLE SPACES AND ROOMS IN A BUILDING THAT CAN BE NEGOTIATED BY ALL CATEGORIES OF PEOPLE HAVING PHYSICAL DISABILITIES.

PORTIONS OF ACCESSIBLE ROUTES WITH SLOPES OF MORE THAN 1:20 ARE RAMPS AND SHALL COMPLY WITH REQUIREMENTS FOR RAMPS.

AN INTERIOR ACCESSIBLE ROUTE SHALL BE PROVIDED FROM THE ENTRANCE OF THE BUILDING TO ALL DWELLING UNITS IN THE BUILDING. ALL DWELLING UNITS ARE TO BE ADAPTABLE.

ADAPTABLE DWELLING UNITS: DWELLING UNITS WHICH ARE CONSTRUCTED ON AN ACCESSIBLE ROUTE AND EQUIPPED AS SET FORTH IN REFERENCE STANDARD RS 4-6 OF THE NYC BUILDING CODE SO THAT THEY CAN BE CONVERTED TO BE USED, WITH A MINIMUM OF STRUCTURAL CHANGE, BY ALL CATEGORIES OF PERSONS HAVING PHYSICAL DISABILITIES.

ADAPTABLE DWELLING UNITS SHALL BE EQUIPPED WITH DOOR WIDTHS AND CLEAR FLOOR SPACES FOR POSSIBLE OCCUPANTS WITH PHYSICAL DISABILITIES. ADAPTABLE SPACES WITHIN DWELLING UNITS SHALL INCLUDE KITCHENS AND BATHROOMS AND THEIR RESPECTIVE DOORWAYS.

THE INFORMATION SHOWN ON THIS DRAWING IS FOR GUIDANCE PURPOSES ONLY AND OUTLINE THE MOST COMMON ACCESSIBILITY CRITERIA APPLICABLE TO THIS JOB. THEY DO NOT CONSTITUTE A COMPREHENSIVE DESCRIPTION OF ALL POSSIBLE CRITERIA WHICH ARE GIVEN IN RS 4-6 OF THE NYC BLDG. CODE AND ANSI A117.1 - 1986 AS MODIFIED BY RS 4-6. THE GENERAL CONTRACTOR MUST DO ALL WORK IN ACCORDANCE WITH THESE REGULATIONS.

DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
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11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkpc.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

ACCESSIBILITY

SEAL & SIGNATURE DATE: 5/11/2017
SCALE: NTS
DRAWING NUMBER:
A-106.00
PAGE #

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

REVISIONS	
DATE	DESCRIPTION
01 06/30/2017	ISSUED TO CLIENT CELLAR & 1ST
02 09/12/2017	ISSUED TO CLIENT FLOOR PLANS
03 05/16/2018	REVISE FOR GROVE AS STREET
04 12/21/2018	REVISE AS PER NEW SURVEY
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DATE	DESCRIPTION
10 10/19/2018	ISSUED ADDENDUM #1
09 08/28/2018	ISSUED TO DOB
08 06/22/2018	ISSUED TO DOB
07 03/30/2018	ISSUED 100% CD
06 11/29/2017	ISSUED FOR DOB
05 11/10/2017	ISSUED FOR BID SET
04 10/19/2017	ISSUED FOR DOB
03 10/02/2017	ISSUED FOR MODULAR
02 08/03/2017	ISSUED TO DOB
01 06/07/2017	ISSUED TO DOB

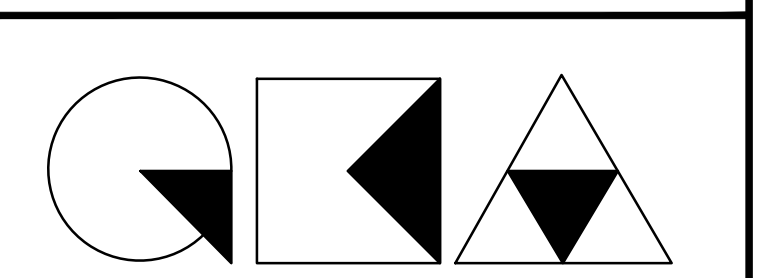
ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
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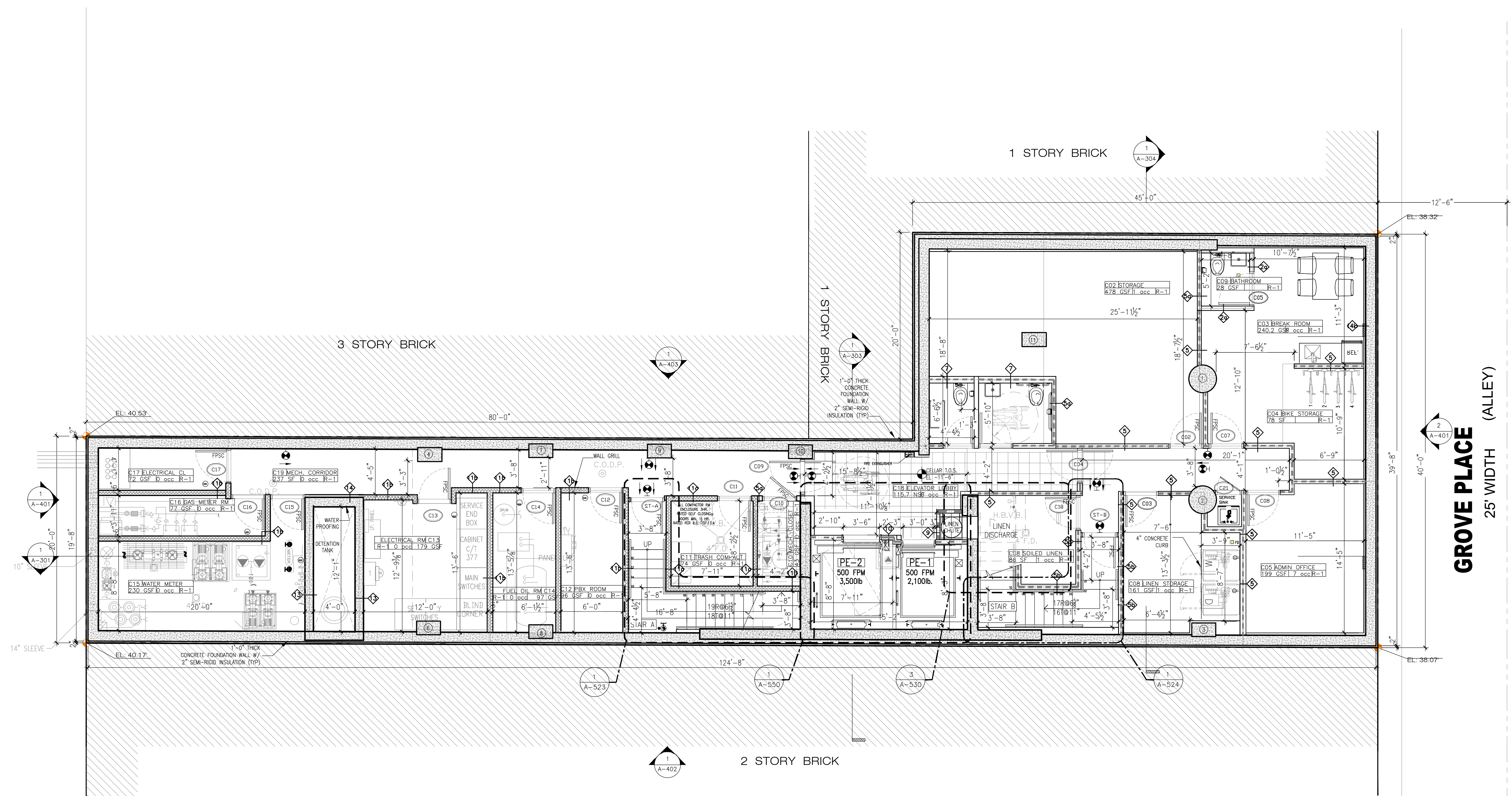
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

CELLAR FLOOR PLAN

SEAL & SIGNATURE:
 DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER: A-201.00
 PAGE #

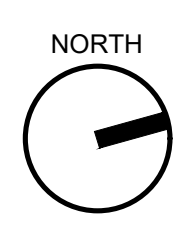
LIVINGSTON STREET
 80' WIDTH (WIDE STREET)

GROVE PLACE
 25' WIDTH (ALLEY)



- NOTES:
- HARDWIRED CARBON MONOXIDE/SMOKE ALARMS & DETECTORS COMPLYING WITH BC908.7.1.1 AND INSTALLED IN ACCORDANCE WITH BC908.7.1.1.1 & BC908.7.1.1.2. SHALL BE PROVIDED IN ALL HOTEL ROOMS.
 - PER BC403.16 PHOTO-LUMINESCENT EXIT PATH MARKINGS PROVIDED IN CONFORMANCE WITH BC1026.
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- NOTE:
 ELEVATOR 2 TO BE USED FOR FIRE DEPARTMENT
- NOTE:
 KEY OPERATED ELEVATOR 1 TO BE USED FOR TRASH REMOVAL & CONTROLLED BY HOTEL STAFF ONLY @ DESIGNATED HOURS

1 CELLAR FLOOR PLAN
 3/16" = 1'-0"



LIVINGSTON STREET
80' WIDTH (WIDE STREET)

GROVE PLACE
25' WIDTH (ALLEY)

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ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

JOB NUMBER NB#321193230

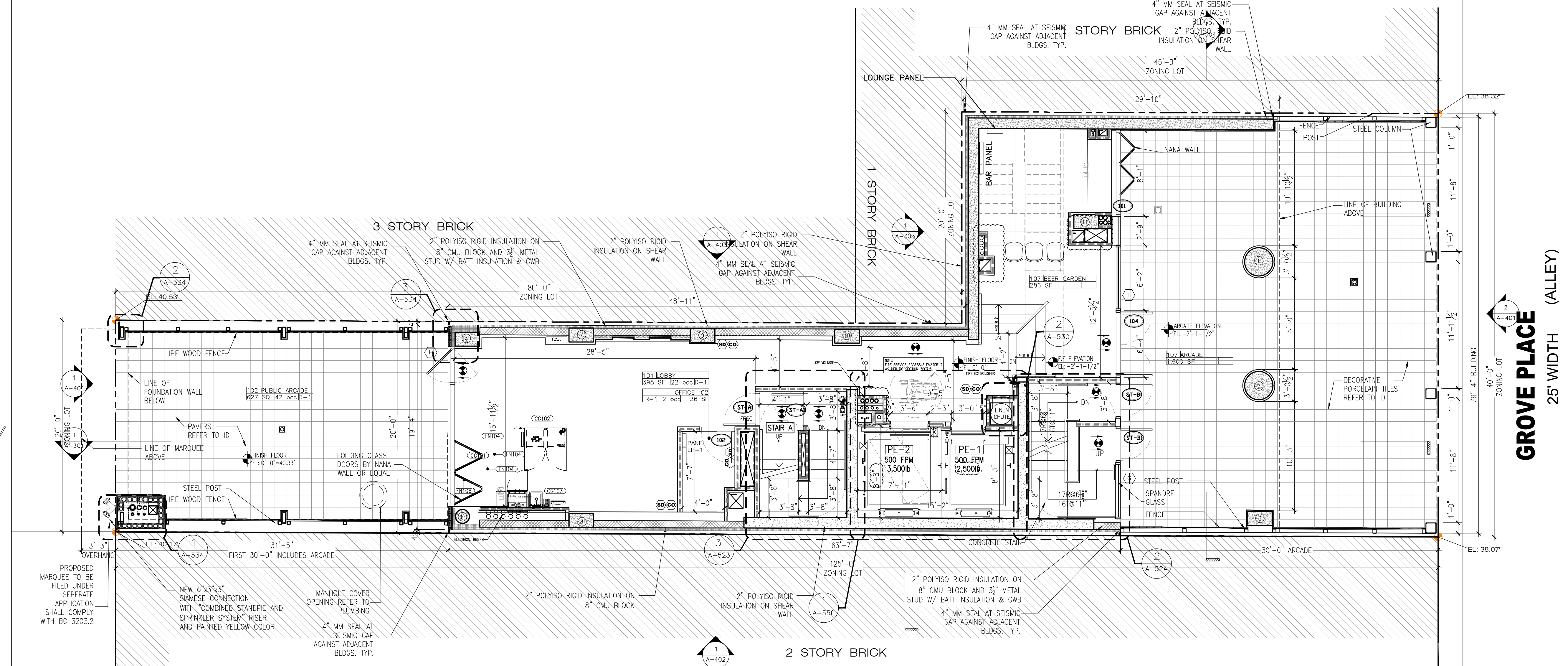
EXAMINER SEAL

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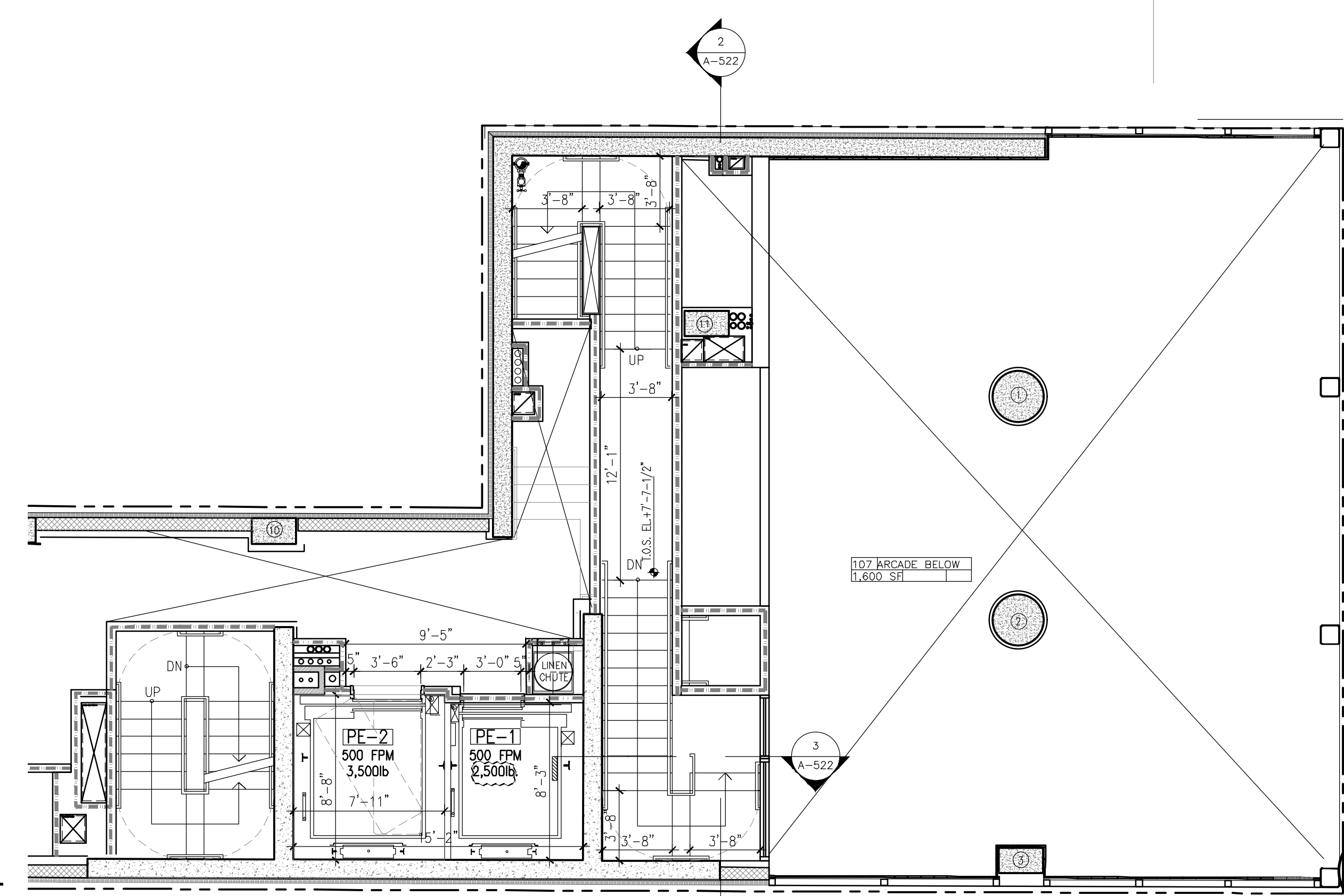
291 LIVINGSTON STREET
BROOKLYN, NY 11217

1ST FLOOR PLAN

SEAL & SIGNATURE: [Signature]
DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER: A-202.01
PAGE #



1 1ST FLOOR PLAN
3/16" = 1'-0"



2 TRANSFER FLOOR PLAN
3/16" = 1'-0"

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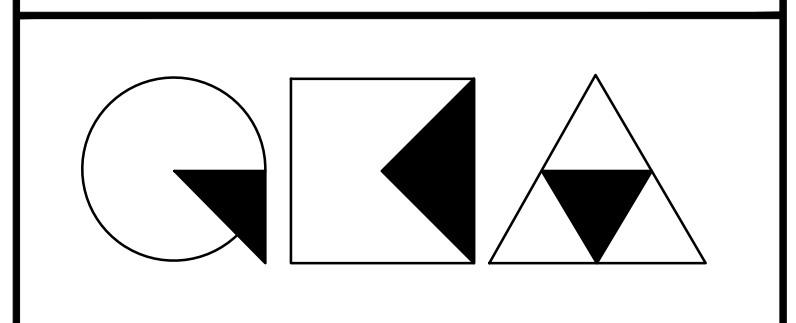
ISSUED DRAWINGS

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 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
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GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL



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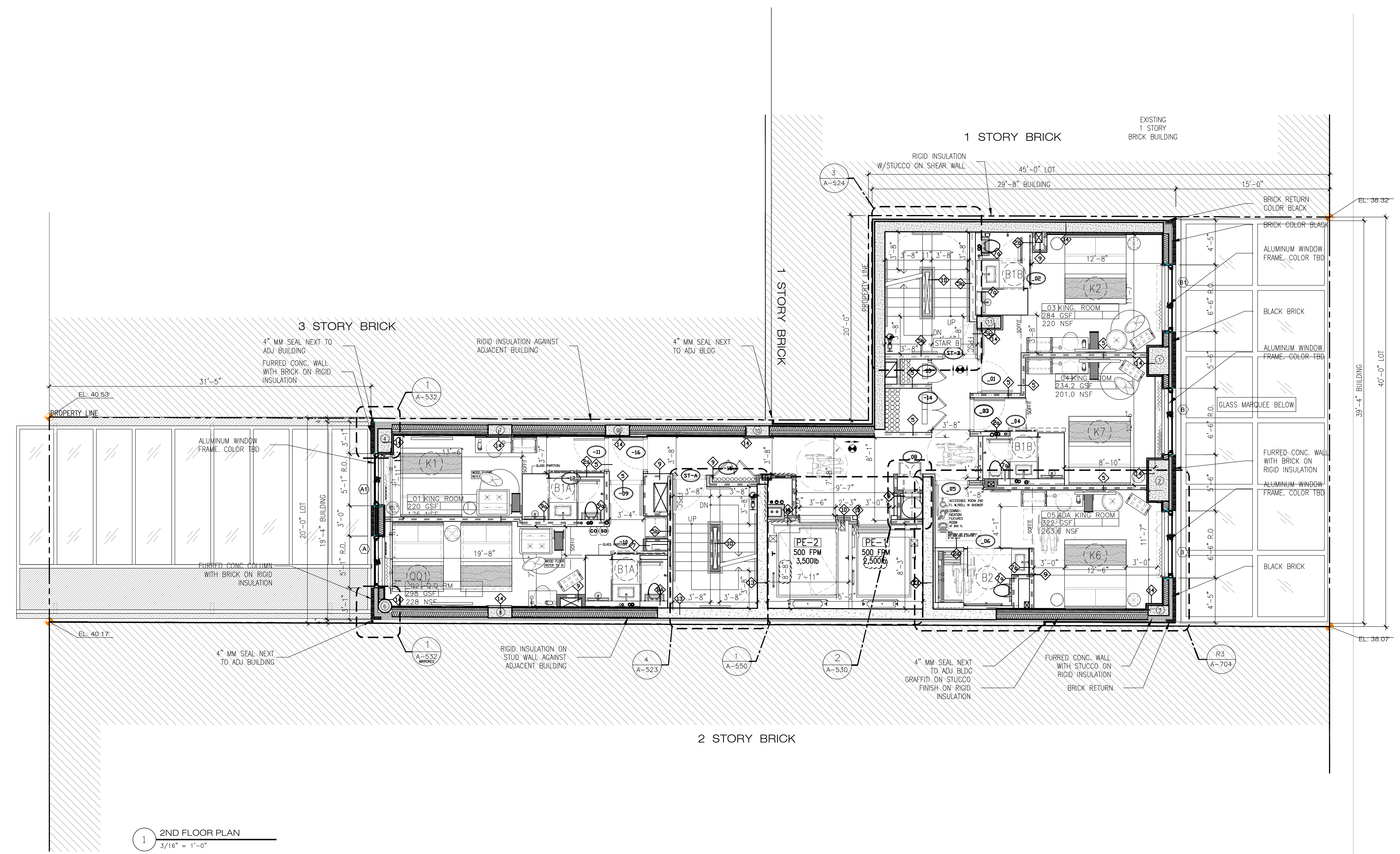
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

2ND FLOOR PLAN

SEAL & SIGNATURE: DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER: A-203.01
 PAGE #

LIVINGSTON STREET
 80' WIDTH (WIDE STREET)

GROVE PLACE
 25' WIDTH (ALLEY)



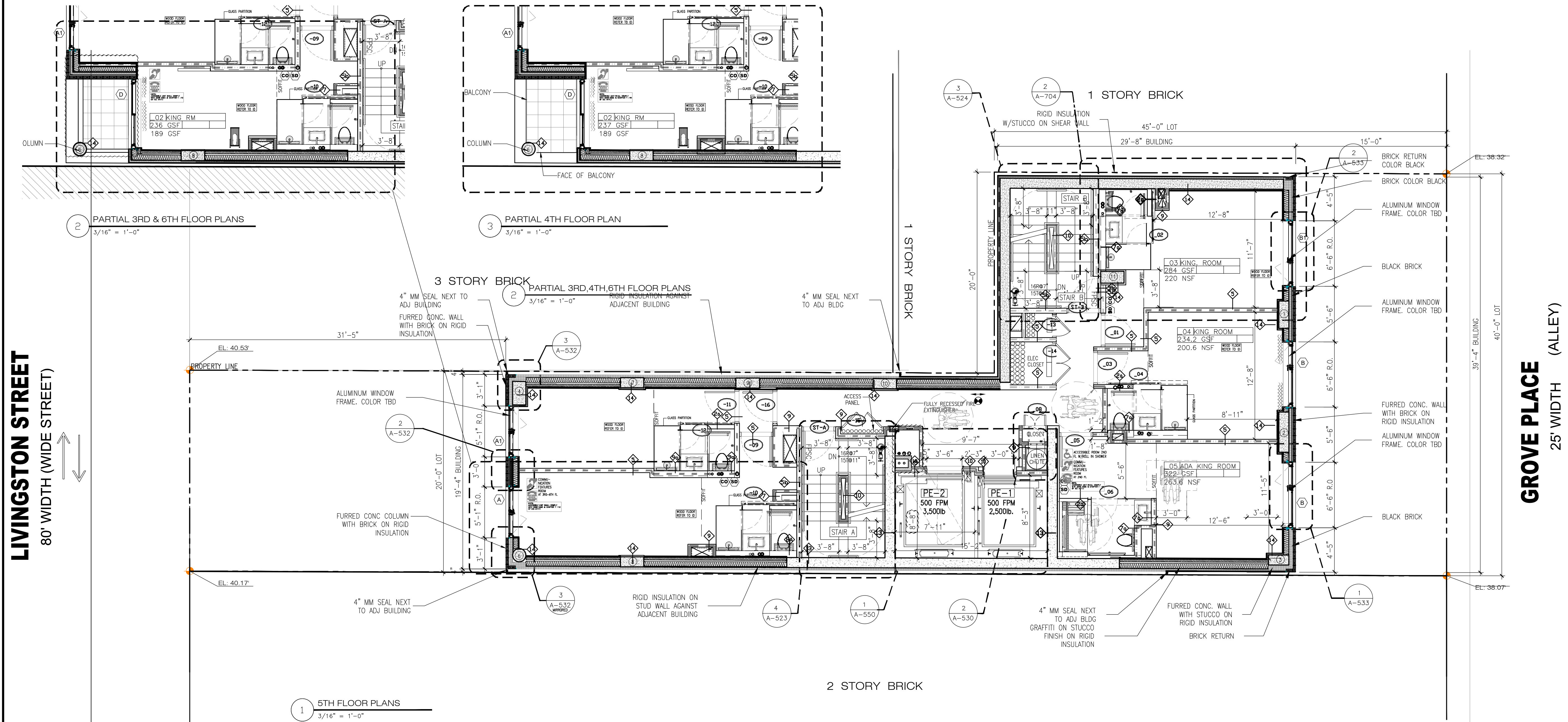
1 2ND FLOOR PLAN
 3/16" = 1'-0"

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 -

2ND FLOOR						
ROOM NUMBER	SQFT	REQUIRED LIGHT (10%)	PROPOSED LIGHT	REQUIRED AIR (5%)	PROPOSED AIR	WINDOW TYPE
201	174	17.4	25.5	8.7	11.4	A1
202	230	23.0	25.5	11.5	11.4	A
203	221	22.1	35.3	11.1	15.1	B1
204	208.4	20.8	35.3	10.4	15.1	B1
205	255.3	25.5	35.3	12.8	15.1	B

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REVISIONS	
DATE	DESCRIPTION
01 05/16/2018	REVISE FOR GROVE AS STREET
02 12/21/2018	REVISE AS PER SURVEY
03	
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LIVINGSTON STREET
80' WIDTH (WIDE STREET)

GROVE PLACE
25' WIDTH (ALLEY)

- NOTES:**
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3RD-6TH FLOORS						
ROOM NUMBER	SQFT	REQUIRED LIGHT (10%)	PROPOSED LIGHT	REQUIRED AIR (5%)	PROPOSED AIR	WINDOW TYPE
01	174	17.4	25.5	8.7	11.4	A1
02	230	23.0	25.5	11.5	11.4	A
03	221	22.1	35.3	11.1	15.1	B1
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03 10/02/2017	ISSUED FOR MODULAR
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ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

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MEP ENGINEER

JOB NUMBER **NB#321193230**

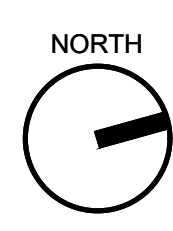
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291 LIVINGSTON STREET
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3RD-6TH FLOOR PLANS

SEAL & SIGNATURE: DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER: **A-204.01**
PAGE #



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ISSUED DRAWINGS

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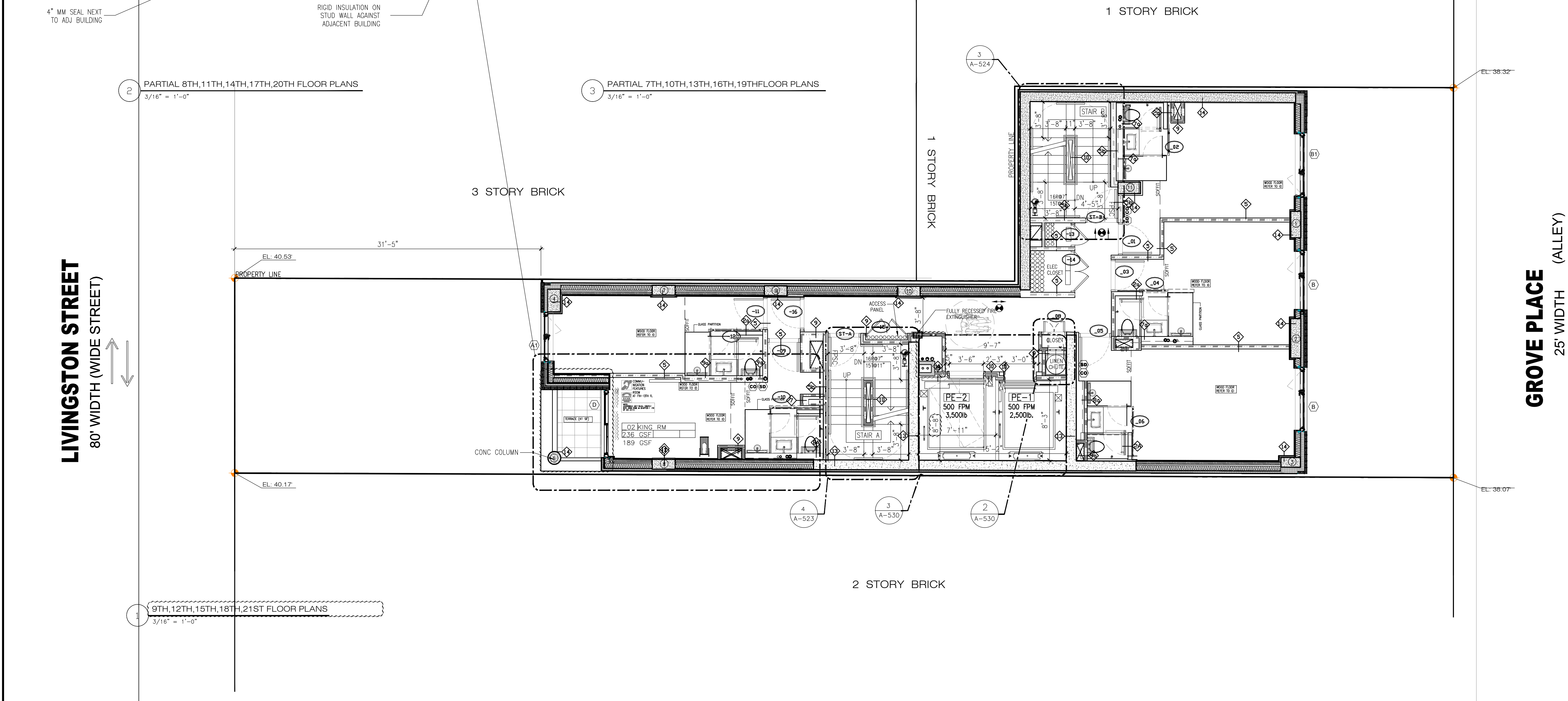
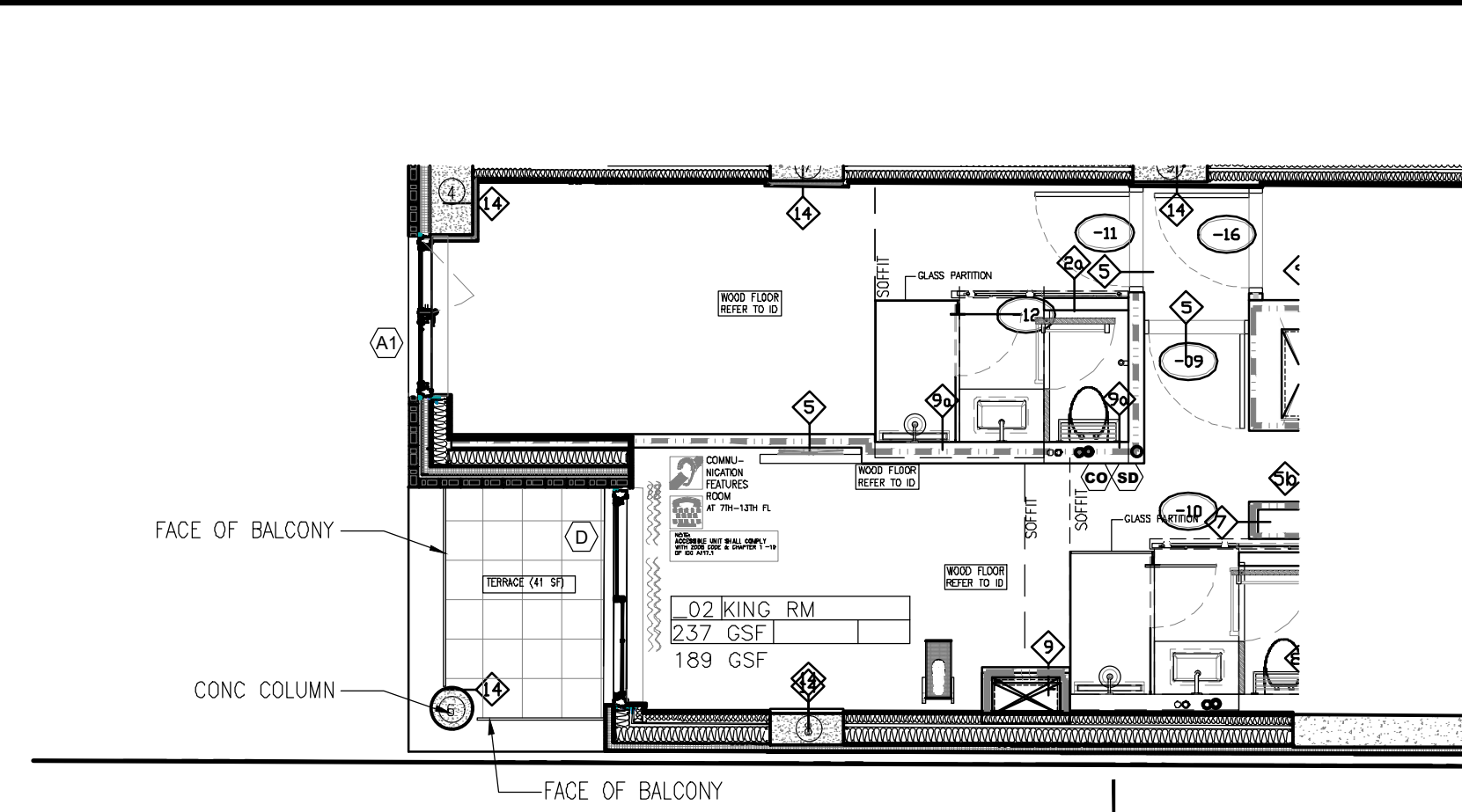
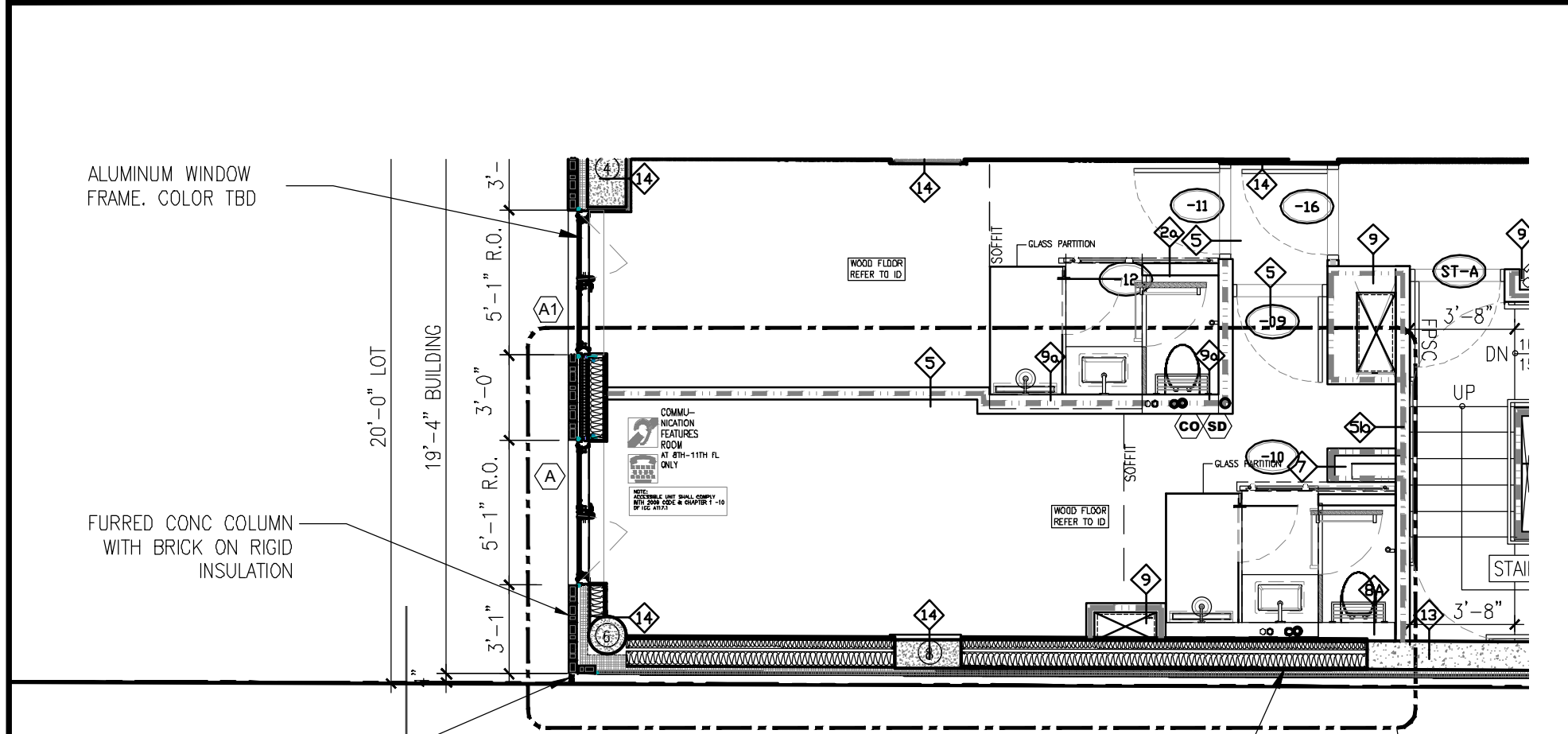


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T 212 625 8700 www.gkarc.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

7TH-21ST FLOOR PLANS

SEAL & SIGNATURE  DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER:
A-205.01
PAGE #

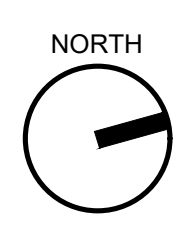


LIVINGSTON STREET
80' WIDTH (WIDE STREET)

GROVE PLACE
25' WIDTH (ALLEY)

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 - USED FOR TRASH REMOVAL & CONTROLLED BY HOTEL STAFF ONLY @ DESIGNATED HOURS.

22ND FLOOR						
ROOM NUMBER	SQFT	REQUIRED LIGHT (10%)	PROPOSED LIGHT	REQUIRED AIR (5%)	PROPOSED AIR	WINDOW TYPE
01	174	17.4	25.5	8.7	0.0	A1
02	230	23.0	36.9	11.5	22.8	A
03	221	22.1	35.3	11.1	15.1	B1
04	464.6	46.5	72.2	23.2	37.9	D,B1
05	0	0.0	0.0	0.0	0.0	0



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REVISIONS	
DATE	DESCRIPTION
01 05/16/2018	REVISE FOR GROVE AS STREET
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DATE	DESCRIPTION
01 01/11/2019	PAA ISSUED TO DOB
02 10/19/2018	ISSUED ADDENDUM #1
03 08/28/2018	ISSUED TO DOB
04 06/22/2018	ISSUED TO DOB
05 03/30/2018	ISSUED 100% CD
06 11/29/2017	ISSUED FOR DOB
07 11/10/2017	ISSUED FOR BID SET
08 10/19/2017	ISSUED FOR DOB
09 10/02/2017	ISSUED FOR MODULAR
10 08/03/2017	ISSUED TO DOB
11 06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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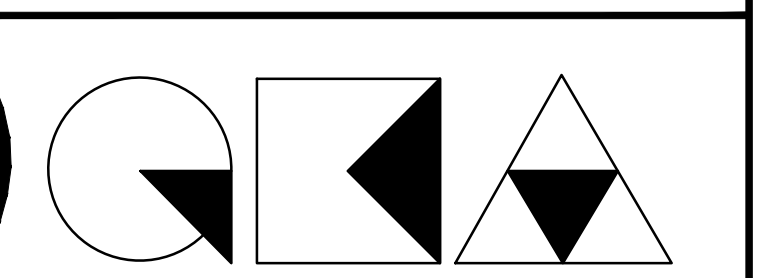
STRUCTURAL ENGINEER

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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

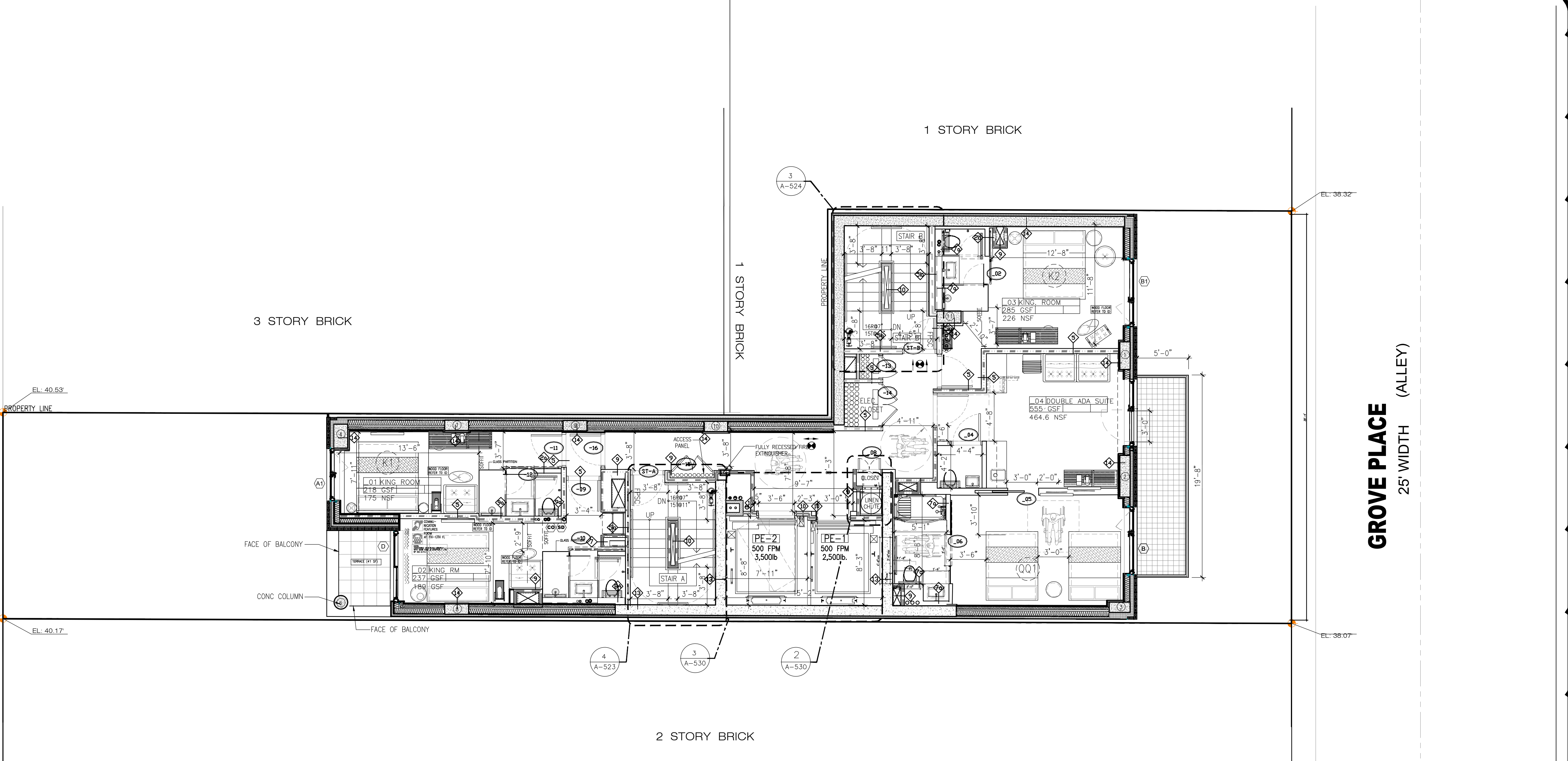


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22nd FLOOR PLAN

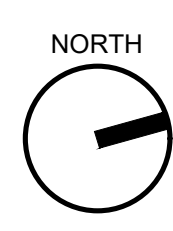
SEAL & SIGNATURE: DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER: **A-206.00**
 PAGE #



1 22ND FLOOR PLANS
 3/16" = 1'-0"

- NOTES:
- HARDWIRED CARBON MONOXIDE/SMOKE ALARMS & DETECTORS COMPLYING WITH BC908.7.1.1 AND INSTALLED IN ACCORDANCE WITH BC908.7.1.1.1 & BC908.7.1.1.2, SHALL BE PROVIDED IN ALL HOTEL ROOMS.
 - PER BC403.16 PHOTO-LUMINESCENT EXIT PATH MARKINGS PROVIDED IN CONFORMANCE WITH BC1026.
 - STAIRWAY DOORS TO REMAIN UNLOCKED FROM EITHER SIDE IN ACCORDANCE WITH BC403.12. A FIRE ALARM COMMUNICATION SYSTEM SHALL BE PROVIDED COMPLYING WITH BC403.12.1. EVERY LEVEL IF STAIR ENCLOSURE TO BE EQUIPPED WITH A FIRE COMMAND WARDEN STATION, AT EVERY THIRD STAIR LANDING A STAIR SPEAKER SHALL BE INSTALLED.
 - STAIRWAY ENCLOSURES PROVIDED WITH IMPACT-RESISTANT WALLS (MASONRY EQUIVALENT) IN ACCORDANCE WITH BC403.15.
 - PER BC403.13 STAIRWAY ENCLOSURES CONSTRUCTED IN ACCORDANCE WITH BC909.20 & 1019.1.1 PASSENGER ELEVATOR BANK PRESSURIZED IN ACCORDANCE WITH BC403.9.1, EXEMPTION 5.
 - VERTICAL EXIT ENCLOSURE PRESSURIZED IN ACCORDANCE WITH BC1019.
 - RODENT PROOFING IN ACCORDANCE WITH BC7101.
 - EXIT SIGN AND EMERGENCY LIGHTING AS PER BC403.11.1 AND BC2702.
 - CONTRACTOR TO PROVIDE CONCRETE PADS TO ALL MECHANICAL EQUIPMENT THAT REQUIRES SUPPORT. HEIGHT AND SIZE TO BE PER MANUFACTURER SPECIFICATIONS.
 - CONTRACTOR TO PROVIDE LIQUID APPLIED WATERPROOFING MEMBRANE IN ALL GUESTROOM BATHROOMS FOR DAILY CLEANING SERVICES AS PER 1213.3 EXCEPTION, ELEVATOR PE-1 SHALL BE KEY OPERATED AND USED FOR TRASH REMOVAL & CONTROLLED BY HOTEL STAFF ONLY @ DESIGNATED HOURS.

ROOM NUMBER	SQFT	22ND FLOOR				
		REQUIRED LIGHT (10%)	PROPOSED LIGHT	REQUIRED AIR (5%)	PROPOSED AIR	WINDOW TYPE
01	174	17.4	25.5	8.7	0.0	A1
02	230	23.0	36.9	11.5	22.8	A
03	221	22.1	35.3	11.1	15.1	B1
04	464.6	46.5	72.2	23.2	37.9	D,B1
05	0	0.0	0.0	0.0	0.0	0



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DATE	DESCRIPTION
11/01/2019	PAA ISSUED TO DOB
10/19/2018	ISSUED ADDENDUM #1
08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

DATE	DESCRIPTION
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10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS



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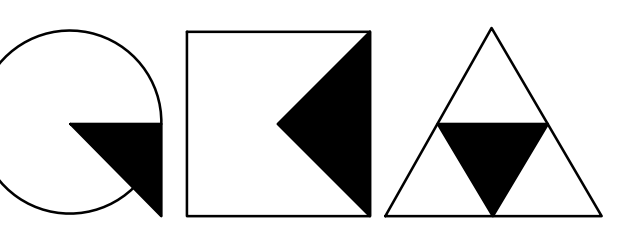
STRUCTURAL ENGINEER



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MEP ENGINEER
JOB NUMBER NB#321193230


EXAMINER SEAL



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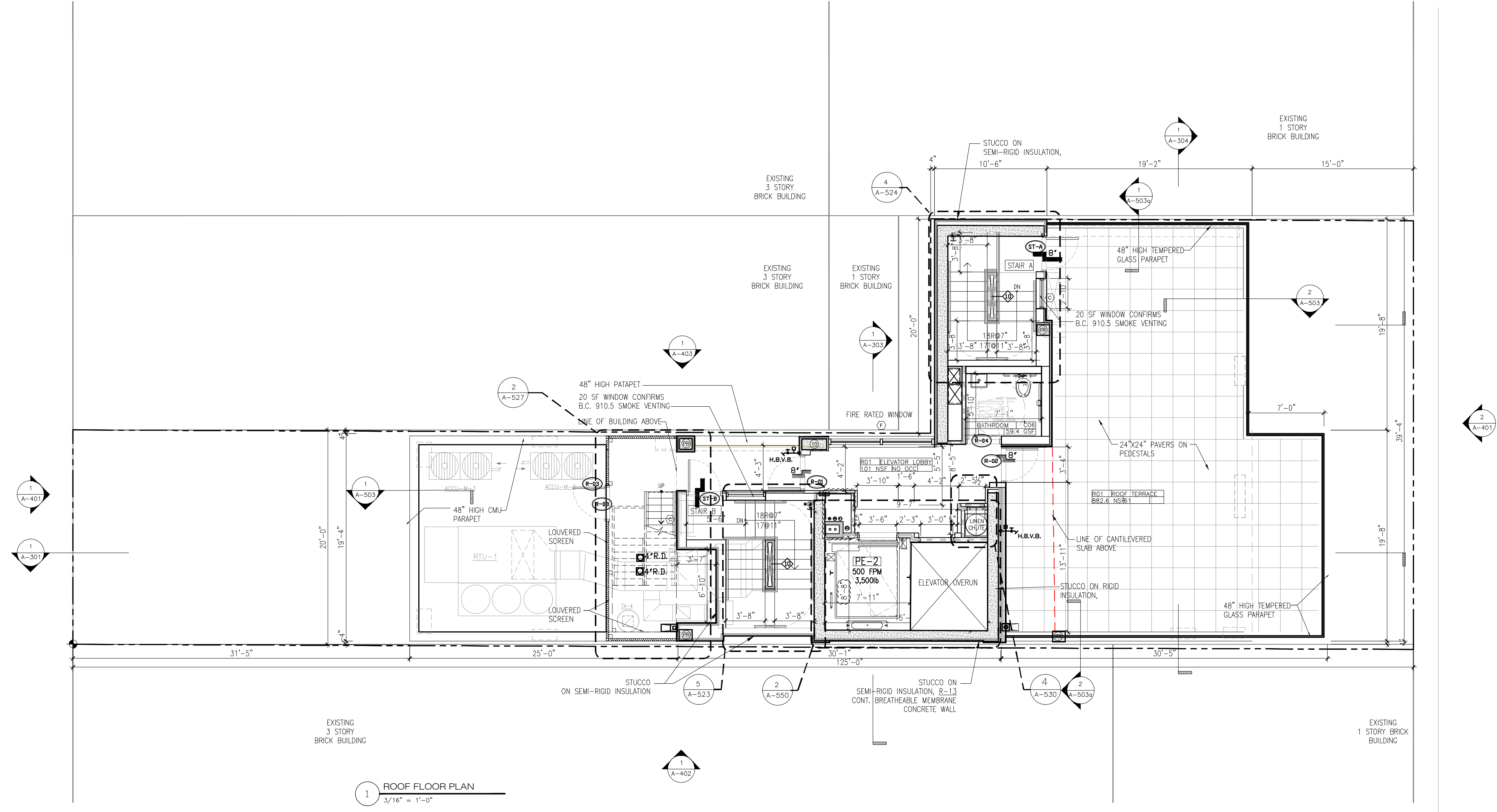
291 LIVINGSTON STREET
BROOKLYN, NY 11217

ROOF PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-207.01
	PAGE #

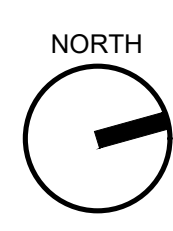
LIVINGSTON STREET
80' WIDTH (WIDE STREET)

GROVE PLACE (ALLEY)
25' WIDTH



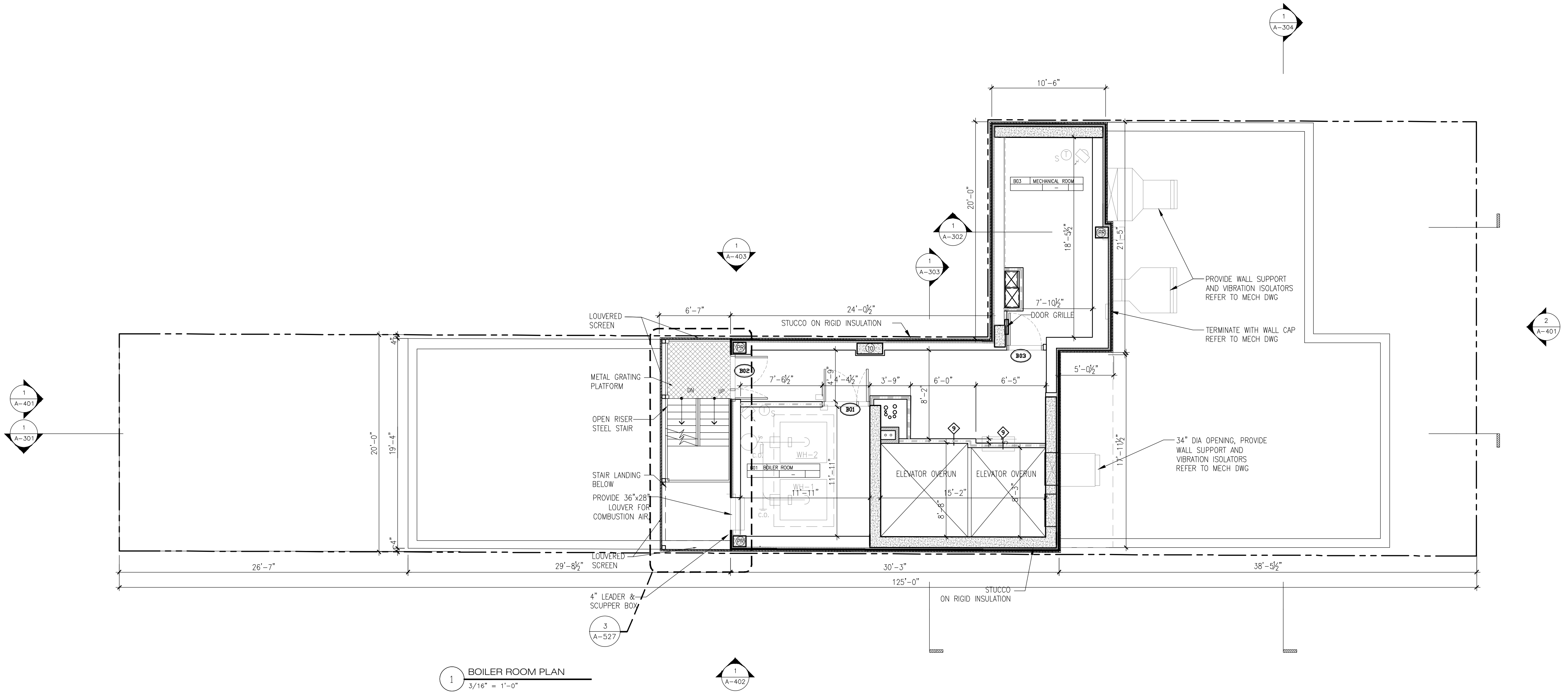
1 ROOF FLOOR PLAN
3/16" = 1'-0"

- NOTES:**
- HARDWIRED CARBON MONOXIDE/SMOKE ALARMS & DETECTORS COMPLYING WITH BC908.7.1.1 AND INSTALLED IN ACCORDANCE WITH BC908.7.1.1.1 & BC908.7.1.1.2. SHALL BE PROVIDED IN ALL HOTEL ROOMS. PER BC403.16 PHOTO-LUMINESCENT EXIT PATH MARKINGS PROVIDED IN CONFORMANCE WITH BC1026.
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 - VERTICAL EXIT ENCLOSURE PRESSURIZED IN ACCORDANCE WITH BC1019.
 - RODENT PROOFING IN ACCORDANCE WITH BCF101.
 - EXIT SIGN AND EMERGENCY LIGHTING AS PER BC403.11.1 AND BC2702.
 - CONTRACTOR TO PROVIDE CONCRETE PADS TO ALL MECHANICAL EQUIPMENT THAT REQUIRES SUPPORT. HEIGHT AND SIZE TO BE PER MANUFACTURER SPECIFICATIONS.
 - CONTRACTOR TO PROVIDE LIQUID APPLIED WATERPROOFING MEMBRANE IN ALL GUESTROOM BATHROOMS FOR DAILY CLEANING SERVICES AS PER 1213.3 EXCEPTION, ELEVATOR PE-1 SHALL BE KEY OPERATED AND USED FOR TRASH REMOVAL & CONTROLLED BY HOTEL STAFF ONLY @ DESIGNATED HOURS.



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1 BOILER ROOM PLAN
3/16" = 1'-0"

DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

JOB NUMBER NB#321193230

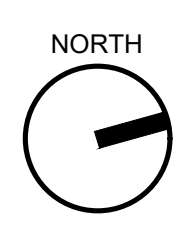
EXAMINER SEAL

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BOILER ROOM LEVEL PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-208.00
	PAGE #



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03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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 STRUCTURAL ENGINEER

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 MEP ENGINEER


JOB NUMBER NB#321193230

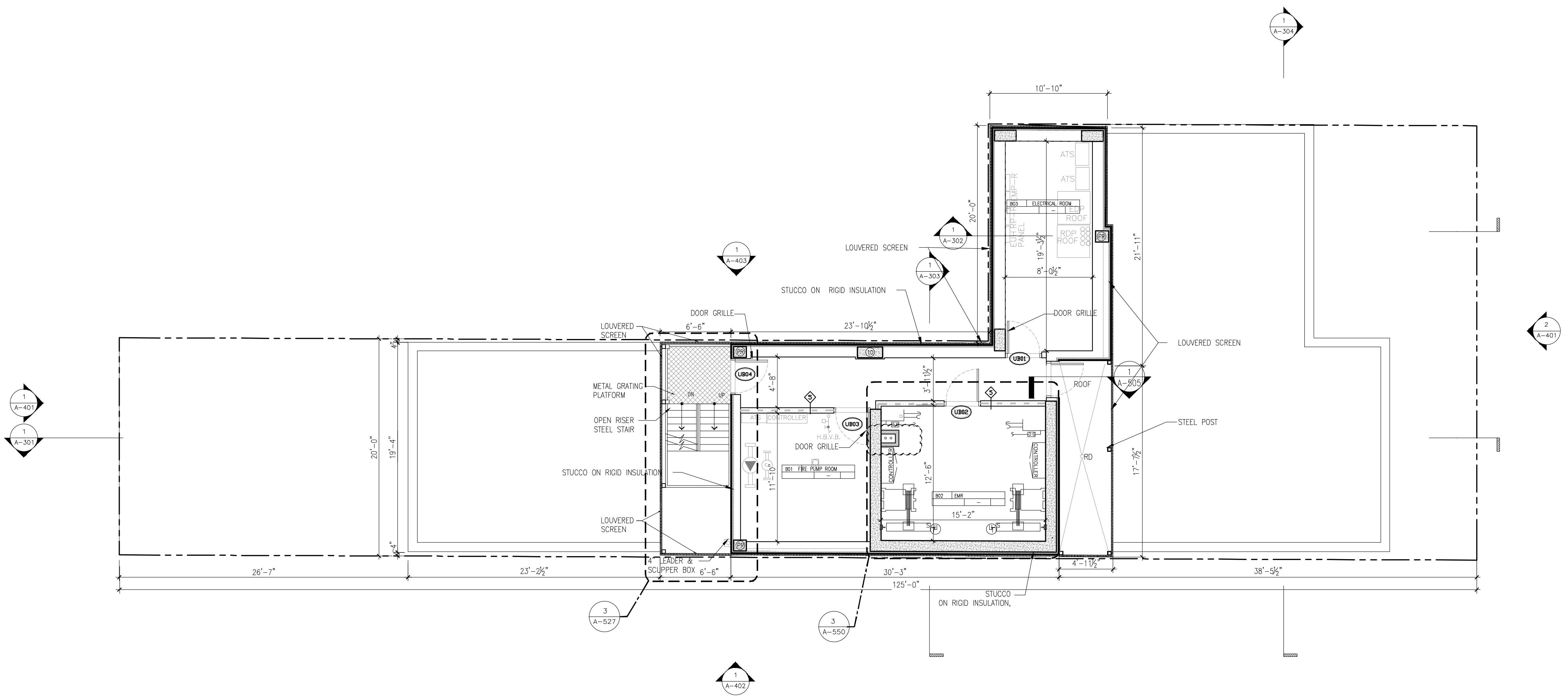
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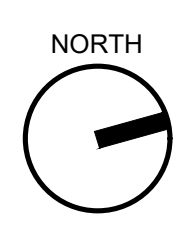
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ELEVATOR MACHINE ROOM PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-209.01
	PAGE #



1 ELEVATOR MACHINE ROOM PLAN
 3/16" = 1'-0"



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ISSUED DRAWINGS



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STRUCTURAL ENGINEER

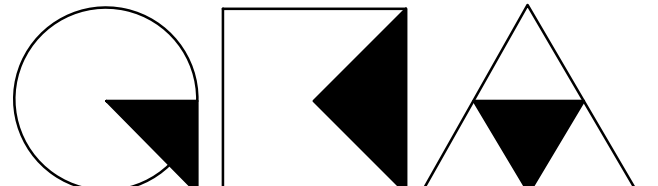


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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL




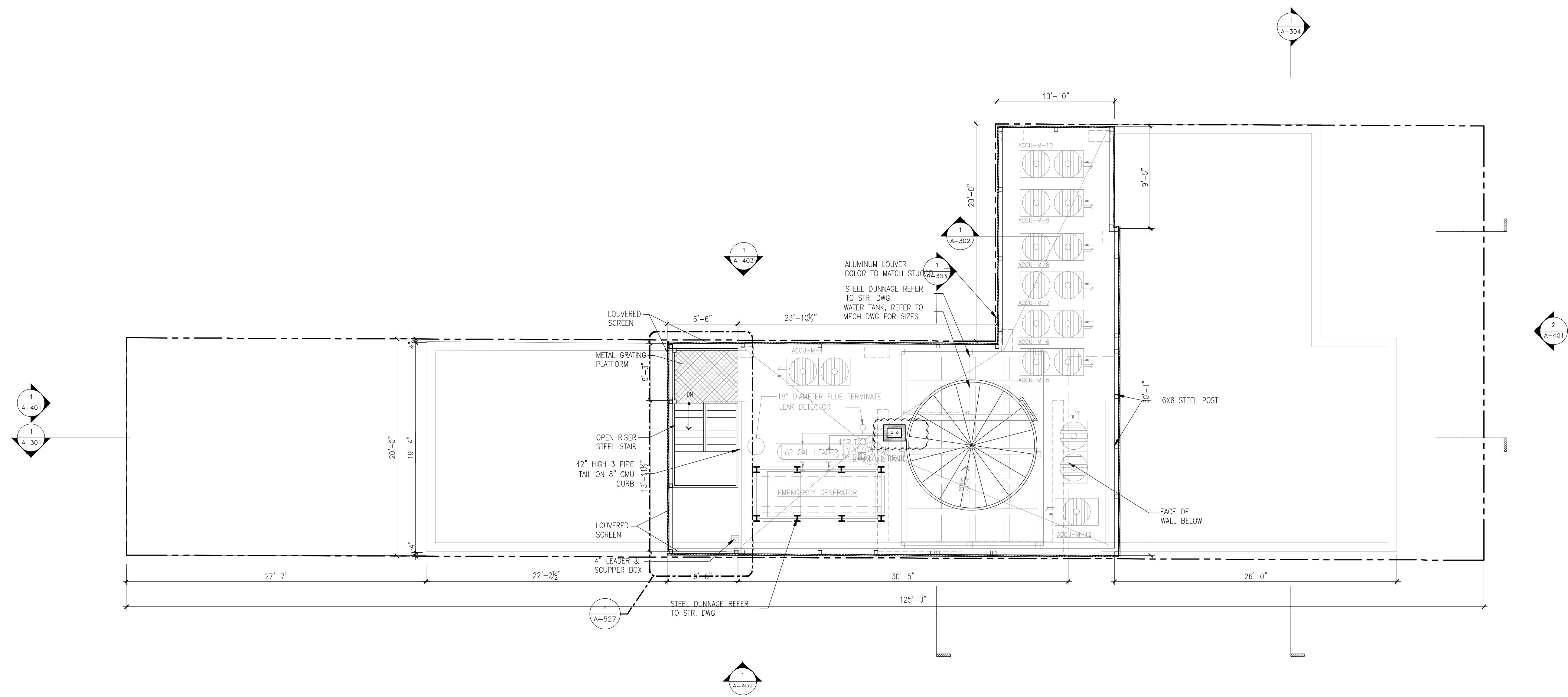
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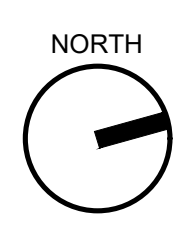
291 LIVINGSTON STREET
BROOKLYN, NY 11217

WATER TANK PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-210.01
	PAGE #

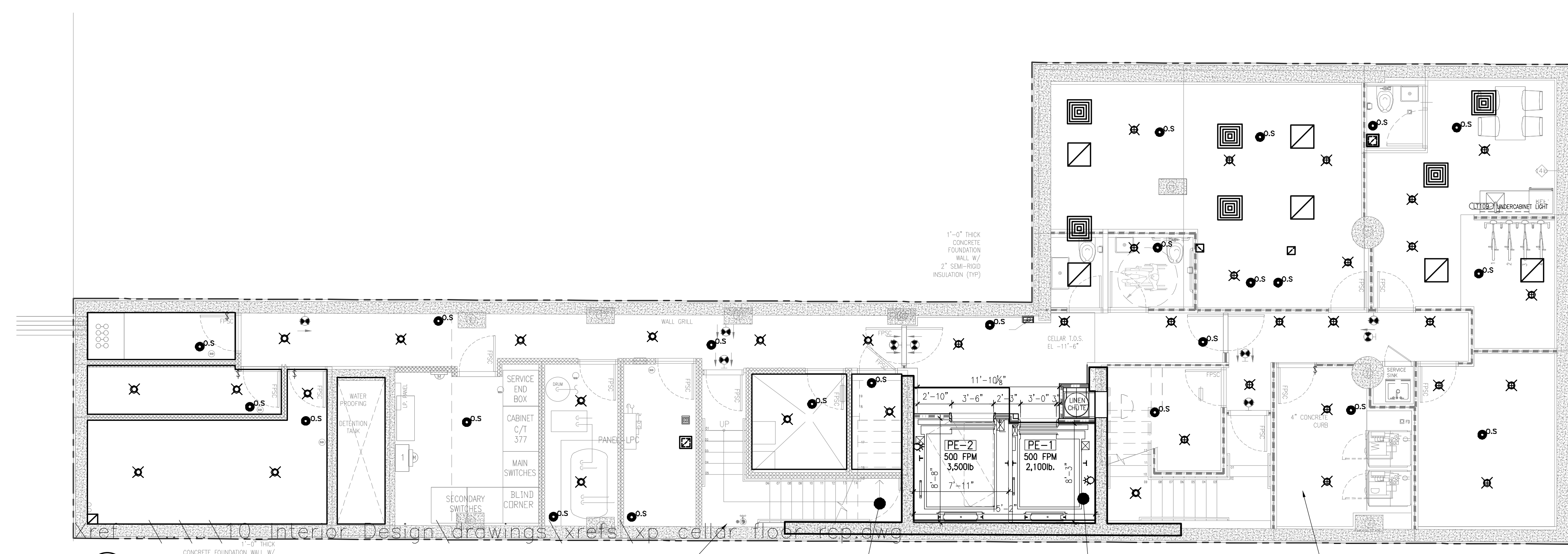


1 WATER TANK PLAN
3/16" = 1'-0"



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REVISIONS	
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1 CELLAR FLOOR RCP
3/16"=1'-0"

REFLECTED CEILING PLAN LEGEND:	
	PAINTED GYPSUM BOARD CLG. HEIGHT - AS INDICATED REPLACE WITH MOISTURE RESISTANT GYPSUM BOARD IN BATHROOMS
	EXPOSED METAL DECK, PAINTED
	PAINTED GYPSUM BOARD CLG. HEIGHT - AS INDICATED
	GRILLES
	EXPOSED DUCTWORK AND MECH. EQUIPMENT
	CEILING MOUNTED SPRINKLER HEAD
	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)
	OCCUPANCY SENSORS
	MANUAL CONTROL SWITCH

- AS PER ECC C405.2.1.1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE. ARE MANUAL ON TO NOT MORE THAN 50% POWER.
- AS PER ECC C405.2.1-C405.2.2.1, AUTOMATIC TIME SWITCH CONTROLS /OCCUPANCY SENSORS SHALL BE INSTALLED TO CONTROL LIGHTING IN ALL AREAS OF THE BUILDING.
- MAINTENANCE INSTRUCTIONS WILL BE PROVIDED TO THE BUILDING OWNER FOR EQUIPMENT AND SYSTEM AS PER NYECC C408.2.5.2
- AS PER ECC C405.2.1.1/2, LIGHT REDUCTION CONTROLS ARE NOT REQUIRED AT: MEANS OF EGRESS/AREAS FOR EMERGENCY USE, MECH. ROOMS, GUEST ROOMS, RESTROOMS, STOREROOMS, AREAS WITH 1 LUMINAIRE WITH <100 WATTS, SPACES WITH <0.6 W/SF, WHERE OCCUPANCY SENSORS ARE PROVIDED.

- AS PER ECC C408.2.3, FUNCTIONAL TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- AS PER ECC C405.2.3 DAYLIGHT ZONES SHALL BE DESIGNED SUCH THAT LIGHTS IN THE DAYLIGHT ZONE ARE CONTROLLED INDEPENDENTLY OF GENERAL AREA LIGHTING, UTILIZING MANUAL OR AUTOMATIC CONTROLS IN ACCORDANCE WITH SECTION C405.2.3.1
- DRAWINGS TO COMPLY WITH MANDATORY PROVISION OF SECTION C402.5.8 FOR RECESSED LIGHTING
- REFER TO A-250 FOR LIGHTING SCHEDULE AND PRODUCT DATA.

- REFER TO ID FOR CAB CEILING
- AS PER C405.2.1, OCCUPANT SENSOR CONTROLS SHALL BE INSTALLED TO CONTROL LIGHTS IN THE FOLLOWING SPACE TYPES:
1. CLASSROOMS/LECTURE/TRAINING ROOMS.
2. CONFERENCE/MEETING/MULTIPURPOSE ROOMS.
3. COPY/PRINT ROOMS.
4. LOUNGES.
5. EMPLOYEE LUNCH AND BREAK ROOMS.
6. PRIVATE OFFICES.
7. RESTROOMS.
8. STORAGE ROOMS.
9. JANITORIAL CLOSETS.
10. LOCKER ROOMS
11. OTHER SPACES 300 SQ-FT OR LESS THAT ARE ENCLOSED BY FLOOR-TO-CEILING HEIGHT PARTITIONS.
12. WAREHOUSES.
13. OPEN PLAN OFFICES.

- AS PER ECC C405.2.1.1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE AND BE MANUAL ON OR CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER.
EXCEPTIONS: 1. MANUAL ON CONTROLS SHALL BE REQUIRED FOR CLASSROOMS, CONFERENCE/MEETING ROOMS, BREAK ROOMS AND OFFICES SMALLER THAN 200 SQFT. SUCH SENSORS AND CONTROLS SHALL NOT HAVE AN OVERRIDE SWITCH THAT CONVERTS FROM MANUAL-ON TO AUTOMATIC-ON FUNCTIONALITY, AND MAY HAVE A GRACE PERIOD OF UP TO 30 SECONDS TO TURN ON THE LIGHTING AUTOMATICALLY AFTER THE SENSORS HAS TURNED OFF THE LIGHTING OF OCCUPANCY IS DETECTED.
2. SHALL INCORPORATE A MANUAL CONTROL TO ALLOW OCCUPANCY TO TURN LIGHTS OFF.

DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

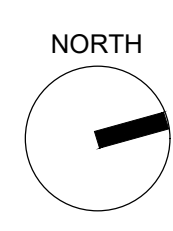
GENE KAUFMAN ARCHITECT PC

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T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

CELLAR FLOOR
REFLECTED CEILING PLAN

SEAL & SIGNATURE DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER:
A-221.00
PAGE #



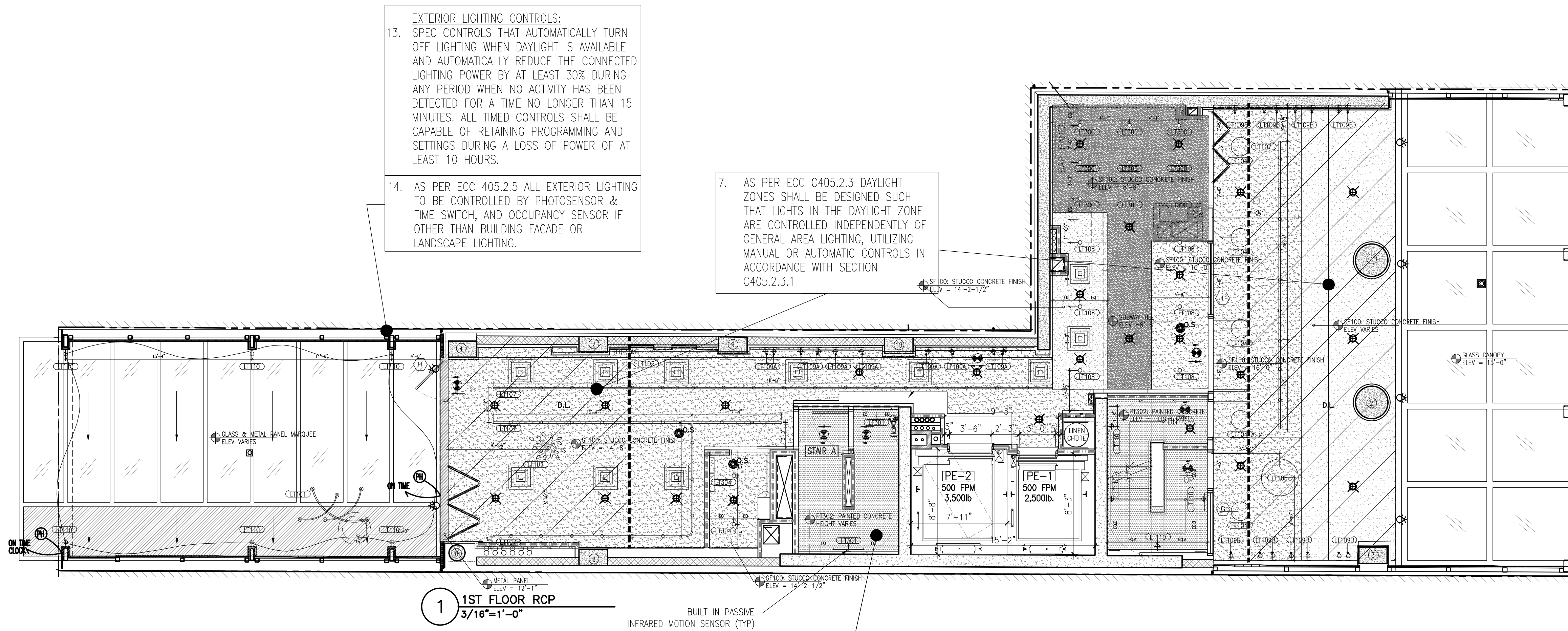
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ITEM CODE	FIXTURE TYPE	LOCATION	MANUFACTURER	MODEL NUMBER	LAMPS	WATTAGE	QUANTITY	LUMENS	TOTAL LUMENS/WATT	COLOR / FINISH	COMMENTS
LT-113	DOWNLIGHT	ELEVATOR	MAN-D-TECT	SOLOBEAM	WHITE LED	4	8	269	67.25	#4 SILVER BRUSHED	

67.25 > 35 THEREFORE COMPLIES WITH C405.9.1.

AS PER C405.9.1, VENTILATION FANS IN ELEVATORS THAT DO NOT HAVE THEIR OWN AIR CONDITIONING SYSTEM SHALL NOT CONSUME MORE THAN .33 WATTS/CFM AT THE MAXIMUM RATED SPEED OF THE FAN. CONTROLS SHALL DE-ENERGIZE FANS AND LIGHTING WHEN THE ELEVATOR IS STOPPED, UNOCCUPIED, WITH DOORS CLOSED FOR MORE THAN 15 MINUTES.



REFLECTED CEILING PLAN LEGEND:

	PAINTED GYPSUM BOARD CLG. HEIGHT - AS INDICATED REPLACE WITH MOISTURE RESISTANT GYPSUM BOARD IN BATHROOMS
	EXPOSED METAL DECK, PAINTED
	PAINTED GYPSUM BOARD CLG. HEIGHT - AS INDICATED
	GRILLES
	EXPOSED DUCTWORK AND MECH. EQUIPMENT
	CEILING MOUNTED SPRINKLER HEAD
	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)

- AS PER ECC C405.2.1.1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE, ARE MANUAL ON TO NOT MORE THAN 50% POWER.
- AS PER ECC C405.2.1-405.2.2.1, AUTOMATIC TIME SWITCH CONTROLS /OCCUPANCY SENSORS SHALL BE INSTALLED TO CONTROL LIGHTING IN ALL AREAS OF THE BUILDING.
- MAINTENANCE INSTRUCTIONS WILL BE PROVIDED TO THE BUILDING OWNER FOR EQUIPMENT AND SYSTEM AS PER NYCECC C408.2.5.2
- AS PER ECC C405.2.1.1/2, LIGHT REDUCTION CONTROLS ARE NOT REQUIRED AT: MEANS OF EGRESS/AREAS FOR EMERGENCY USE, MECH. ROOMS, GUEST ROOMS, RESTROOMS, STOREROOMS, AREAS WITH 1 LUMINAIRE WITH <100 WATTS, SPACES WITH <0.6 W/SF, WHERE OCCUPANCY SENSORS ARE PROVIDED.

- AS PER ECC C408.2.3, FUNCTIONAL TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- DRAWINGS TO COMPLY WITH MANDATORY PROVISION OF SECTION C402.5.8 FOR RECESSED LIGHTING
- REFER TO A-250 FOR LIGHTING SCHEDULE AND PRODUCT DATA.

- AS PER C405.2.1, OCCUPANT SENSOR CONTROLS SHALL BE INSTALLED TO CONTROL LIGHTS IN THE FOLLOWING SPACE TYPES:
 - CLASSROOMS/LECTURE/TRAINING ROOMS.
 - CONFERENCE/MEETING/MULTIPURPOSE ROOMS.
 - COPY/PRINT ROOMS.
 - LOUNGES.
 - EMPLOYEE LUNCH AND BREAK ROOMS.
 - PRIVATE OFFICES.
 - RESTROOMS.
 - STORAGE ROOMS.
 - JANITORIAL CLOSETS.
 - LOCKER ROOMS
 - OTHER SPACES 300 SQ-FT OR LESS THAT ARE ENCLOSED BY FLOOR-TO-CEILING HEIGHT PARTITIONS.
 - WAREHOUSES.
 - OPEN PLAN OFFICES.

- AS PER ECC C405.2.1.1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE AND BE MANUAL ON OR CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER.

EXCEPTIONS: 1. MANUAL ON CONTROLS SHALL BE REQUIRED FOR CLASSROOMS, CONFERENCE/MEETING ROOMS, BREAK ROOMS AND OFFICES SMALLER THAN 200 SQFT. SUCH SENSORS AND CONTROLS SHALL NOT HAVE AN OVERRIDE SWITCH THAT CONVERTS FROM MANUAL-ON TO AUTOMATIC-ON FUNCTIONALITY, AND MAY HAVE A GRACE PERIOD OF UP TO 30 SECONDS TO TURN ON THE LIGHTING AUTOMATICALLY AFTER THE SENSORS HAS TURNED OFF THE LIGHTING OF OCCUPANCY IS DETECTED.

2. SHALL INCORPORATE A MANUAL CONTROL TO ALLOW OCCUPANCY TO TURN LIGHTS OFF.

DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

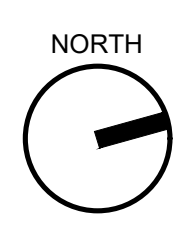
EXAMINER SEAL

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T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

1ST FLOOR REFLECTED CEILING PLAN

SEAL & SIGNATURE: DATE: 5/11/2017
SCALE: AS NOTED DRAWING NUMBER: A-222.00
PAGE #



THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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01	06/07/2017 ISSUED TO DOB

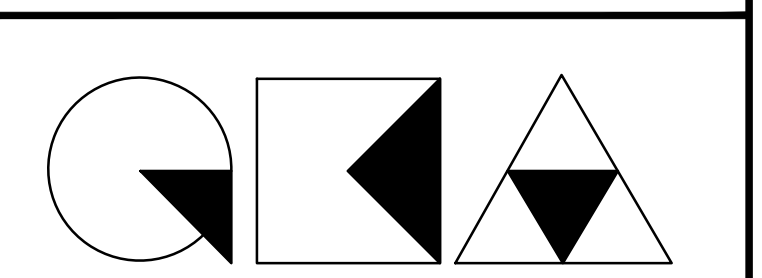
ISSUED DRAWINGS

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 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

JOB NUMBER NB#321193230

EXAMINER SEAL



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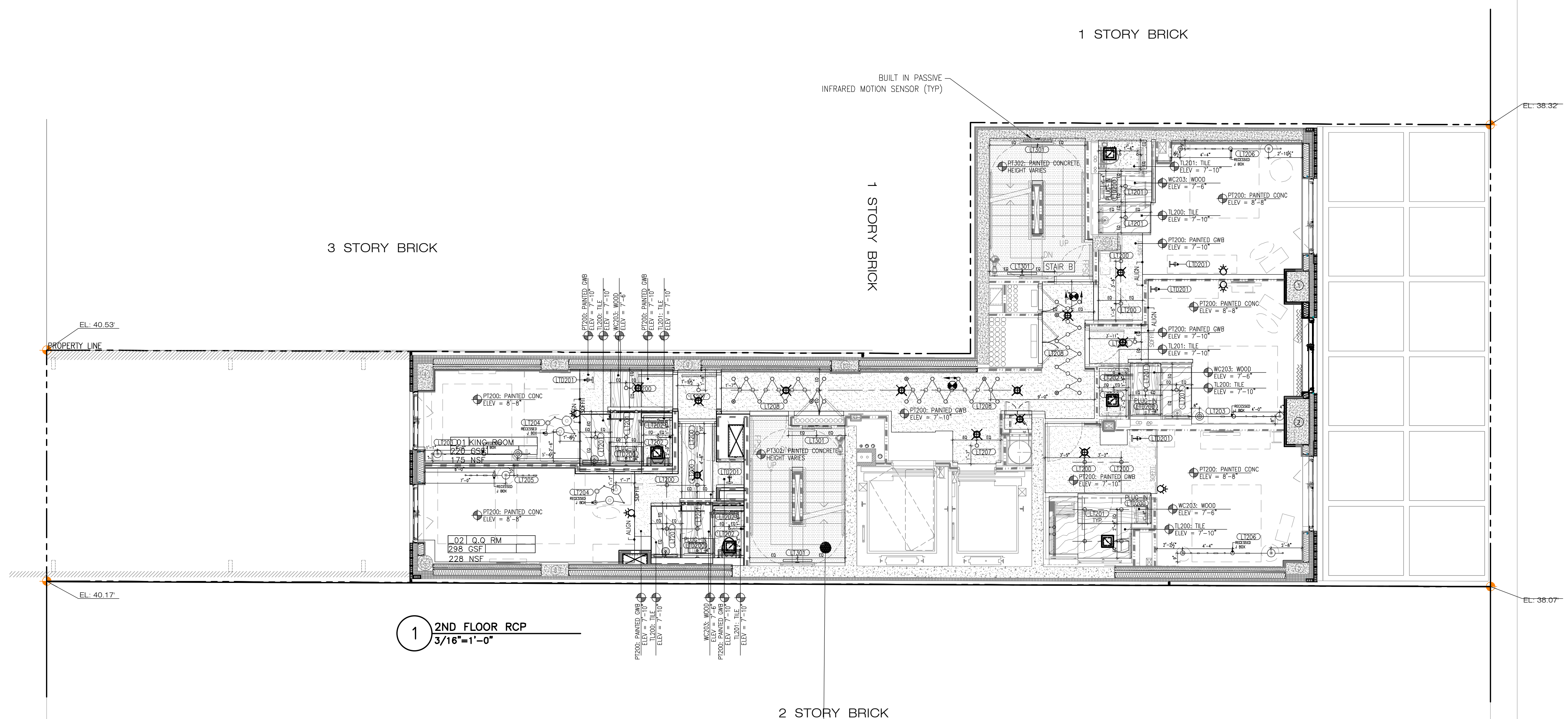
2ND FLOOR REFLECTED CEILING PLAN

SEAL & SIGNATURE DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER:

A-223.00
 PAGE #

LIVINGSTON STREET
 80' WIDTH (WIDE STREET)

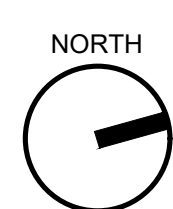
GROVE PLACE
 25' WIDTH (ALLEY)



REFLECTED CEILING PLAN LEGEND:

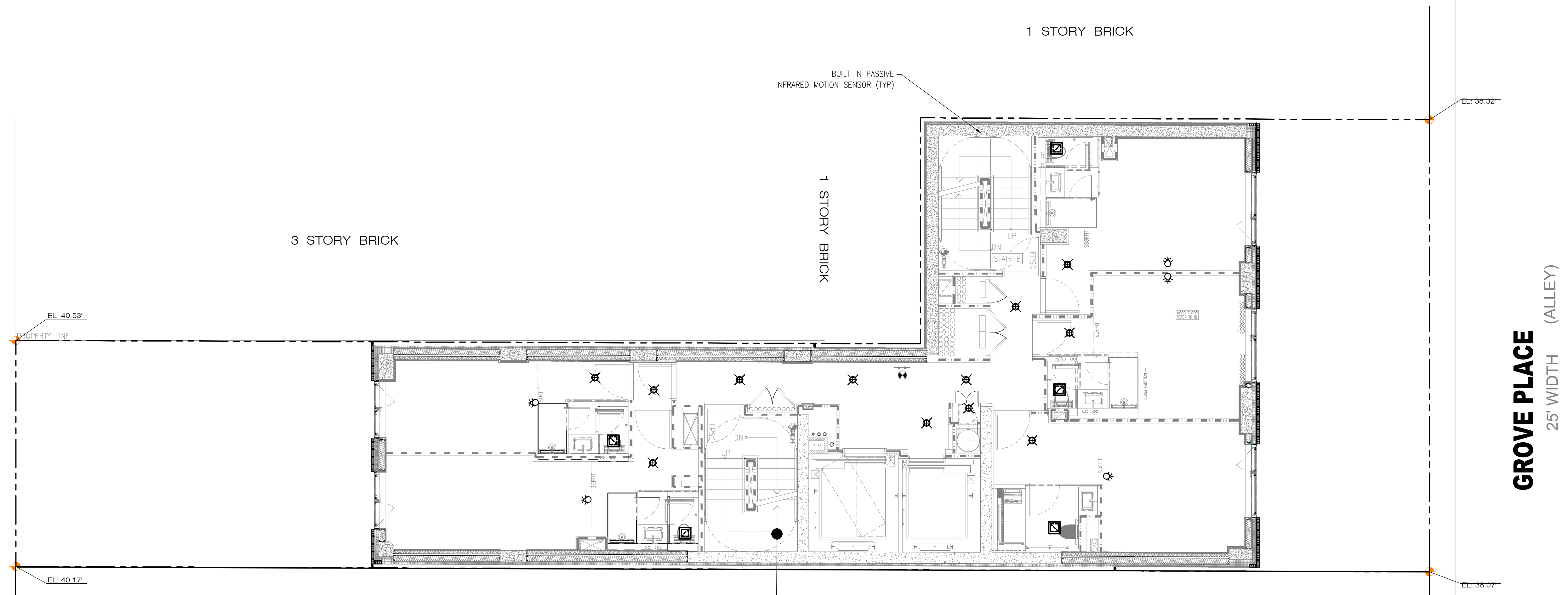
	PAINTED GYPSUM BOARD CLG. HEIGHT - AS INDICATED REPLACE WITH MOISTURE RESISTANT GYPSUM BOARD IN BATHROOMS
	EXPOSED METAL DECK, PAINTED
	PAINTED GYPSUM BOARD CLG. HEIGHT - AS INDICATED
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	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)
	OCCUPANCY SENSORS
	MANUAL CONTROL SWITCH
	SINGLE POLE MASTER SWITCH

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- AS PER ECC C405.2 EXCEPTION, AT CORRIDORS AND STAIRS NO LIGHTING CONTROLS ARE PROVIDED
- AS PER ECC C405.2.4 ALL GUESTROOMS SHALL HAVE A SWITCH CAPABLE OF AUTOMATICALLY SWITCHING OFF ALL INSTALLED LUMINARIES AND SWITCHED RECEPTACLES WITHIN 20 MINUTES AFTER OCCUPANTS LEAVE THE ROOM.



THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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REFLECTED CEILING PLAN LEGEND:

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	CEILING MOUNTED SPRINKLER HEAD
	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)
	OCCUPANCY SENSORS
	MANUAL CONTROL SWITCH
	SINGLE POLE SWITCH

5TH FLOOR PLANS
3/16" = 1'-0"

- AS PER ECC C405.2.1.1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE, ARE MANUAL ON TO NOT MORE THAN 50% POWER.
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06/22/2018	ISSUED TO DOB
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10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

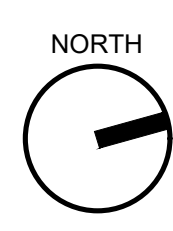
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291 LIVINGSTON STREET
BROOKLYN, NY 11217

3RD-6TH FLOOR
REFLECTED CEILING PLAN

SEAL & SIGNATURE

DATE: 5/11/2017
SCALE: AS NOTED
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A-224.00
PAGE #



THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
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05	11/10/2017	ISSUED FOR BID SET
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ISSUED DRAWINGS

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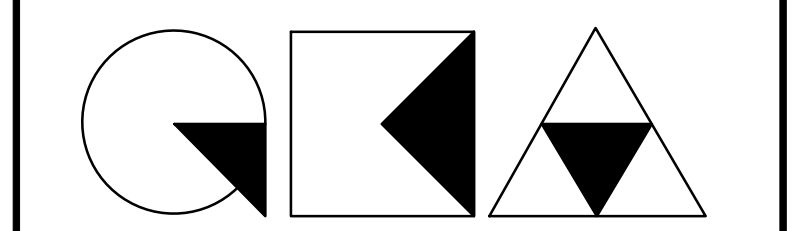
STRUCTURAL ENGINEER

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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL



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7TH-21ST FLOOR
REFLECTED CEILING PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-225.00
	PAGE #

1 7TH-21ST FLOOR RCP
3/16"=1'-0"

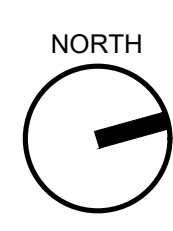
REFLECTED CEILING PLAN LEGEND:

	PAINTED GYPSUM BOARD CLG. HEIGHT - AS INDICATED REPLACE WITH MOISTURE RESISTANT GYPSUM BOARD IN BATHROOMS
	EXPOSED METAL DECK, PAINTED
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	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)
	OCCUPANCY SENSORS
	MANUAL CONTROL SWITCH
	SINGLE POLE MASTER SWITCH

- | | |
|--|---|
| 1. AS PER ECC C405.2.1.1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE, ARE MANUAL ON TO NOT MORE THAN 50% POWER. | 6. AS PER ECC C408.2.3, FUNCTIONAL TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. |
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| | 10. AS PER ECC C405.2 EXCEPTION, AT CORRIDORS AND STAIRS NO LIGHTING CONTROLS ARE PROVIDED |
| | 11. AS PER ECC C405.2.4 ALL GUESTROOMS SHALL HAVE A SWITCH CAPABLE OF AUTOMATICALLY SWITCHING OFF ALL INSTALLED LUMINARIES AND SWITCHED RECEPTACLES WITHIN 20 MINUTES AFTER OCCUPANTS LEAVE THE ROOM. |

BUILT IN PASSIVE INFRARED MOTION SENSOR (TYP)

1. AS PER ECC C405.2 EXCEPTION, AT CORRIDORS AND STAIRS NO LIGHTING CONTROLS ARE PROVIDED



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11	01/11/2019	PAA ISSUED TO DOB
10	10/19/2018	ISSUED ADDENDUM #1
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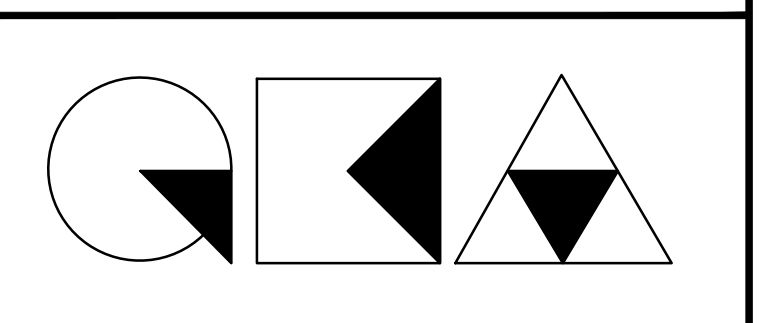
ISSUED DRAWINGS

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 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER
 JOB NUMBER NB#321193230

EXAMINER SEAL

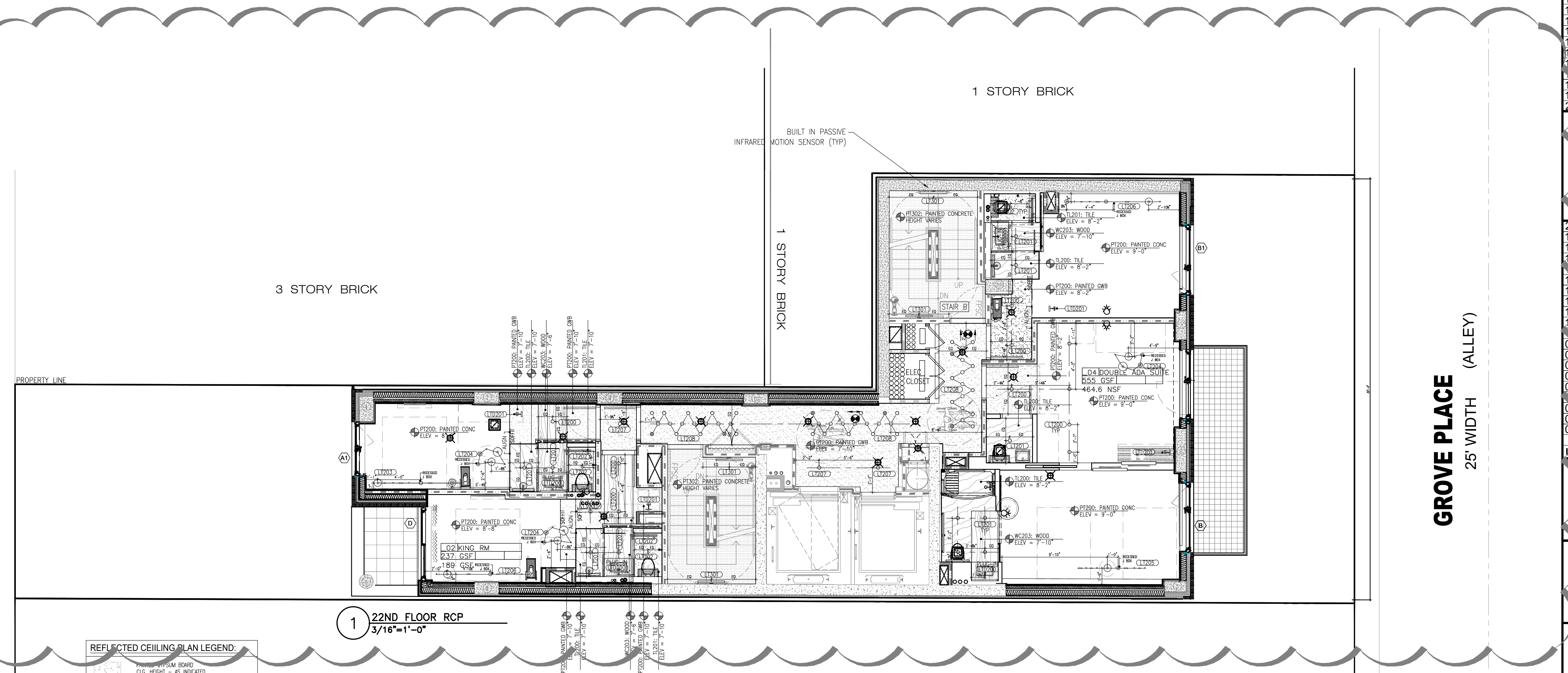


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 T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
 BROOKLYN, NY 11217

22nd FLOOR REFLECTED CEILING PLAN

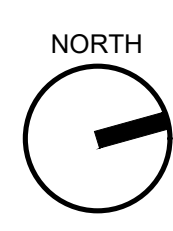
SEAL & SIGNATURE: DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER: **A-226.00**
 PAGE #



REFLECTED CEILING PLAN LEGEND:

	PAINTED GYPSUM BOARD
	EXPOSED METAL DECK, PAINTED
	PAINTED GYPSUM BOARD
	GRILLES
	EXPOSED DUCTWORK AND MECH. EQUIPMENT
	CEILING MOUNTED SPRINKLER HEAD
	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)
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- AS PER ECC C405.2.1-C405.2.2.1, AUTOMATIC TIME SWITCH CONTROLS /OCCUPANCY SENSORS SHALL BE INSTALLED TO CONTROL LIGHTING IN ALL AREAS OF THE BUILDING.
- MAINTENANCE INSTRUCTIONS WILL BE PROVIDED TO THE BUILDING OWNER FOR EQUIPMENT AND SYSTEM AS PER NYCECC C408.2.5.2
- AS PER ECC C405.2.1.1/2, LIGHT REDUCTION CONTROLS ARE NOT REQUIRED AT: MEANS OF EGRESS/AREAS FOR EMERGENCY USE, MECH. ROOMS, GUEST ROOMS, RESTROOMS, STOREROOMS, AREAS WITH 1 LUMINAIRE WITH <100 WATTS, SPACES WITH <0.6 W/SF, WHERE OCCUPANCY SENSORS ARE PROVIDED.
- AS PER ECC C408.2.3, FUNCTIONAL TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- AS PER ECC C405.2.3 DAYLIGHT ZONES SHALL BE DESIGNED SUCH THAT LIGHTS IN THE DAYLIGHT ZONE ARE CONTROLLED INDEPENDENTLY OF GENERAL AREA LIGHTING, UTILIZING MANUAL OR AUTOMATIC CONTROLS IN ACCORDANCE WITH SECTION C405.2.3.1
- DRAWINGS TO COMPLY WITH MANDATORY PROVISION OF SECTION C402.5.8 FOR RECESSED LIGHTING
- REFER TO A-250 FOR LIGHTING SCHEDULE AND PRODUCT DATA.
- AS PER ECC C405.2 EXCEPTION, AT CORRIDORS AND STAIRS NO LIGHTING CONTROLS ARE PROVIDED
- AS PER ECC C405.2.4 ALL GUESTROOMS SHALL HAVE A SWITCH CAPABLE OF AUTOMATICALLY SWITCHING OFF ALL INSTALLED LUMINARIES AND SWITCHED RECEPTACLES WITHIN 20 MINUTES AFTER OCCUPANTS LEAVE THE ROOM.



THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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09	10/19/2018 ISSUED ADDENDUM #1
08	06/22/2018 ISSUED TO DOB
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03	10/02/2017 ISSUED FOR MODULAR
02	08/03/2017 ISSUED TO DOB
01	06/07/2017 ISSUED TO DOB

ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

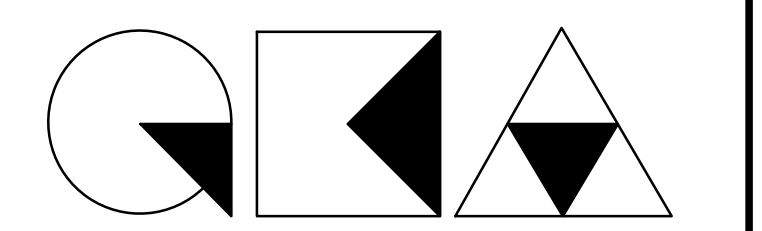
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL



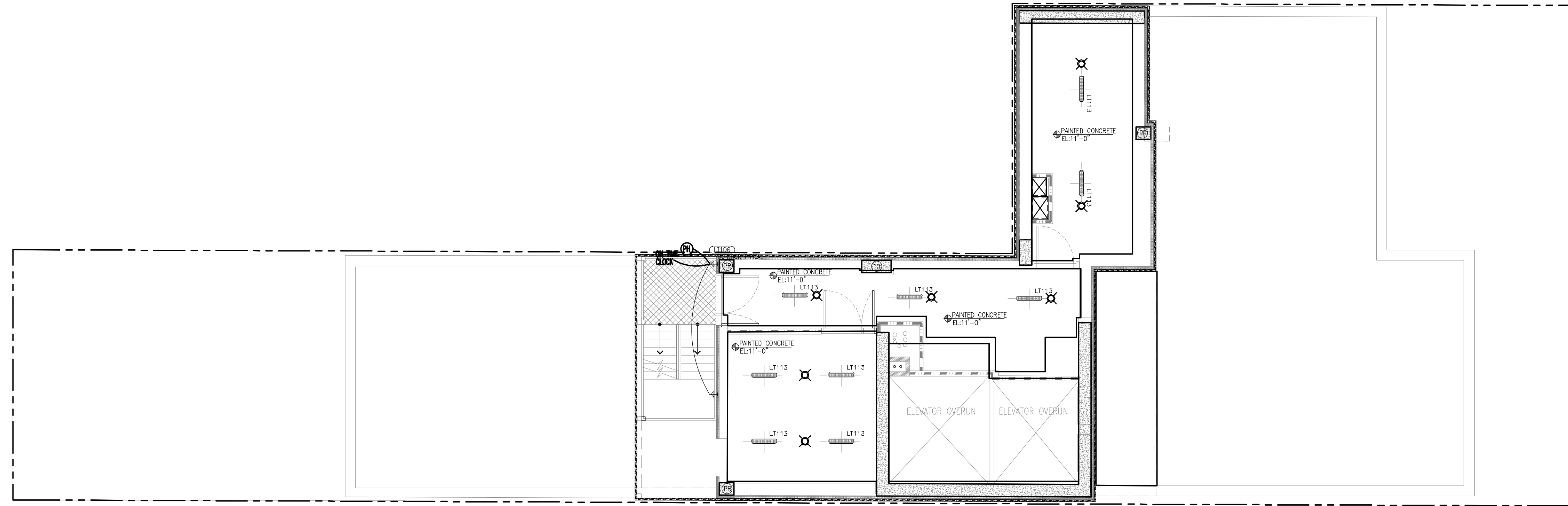
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 79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
 T 212 625 8700 www.gkacp.com

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 BROOKLYN, NY 11217

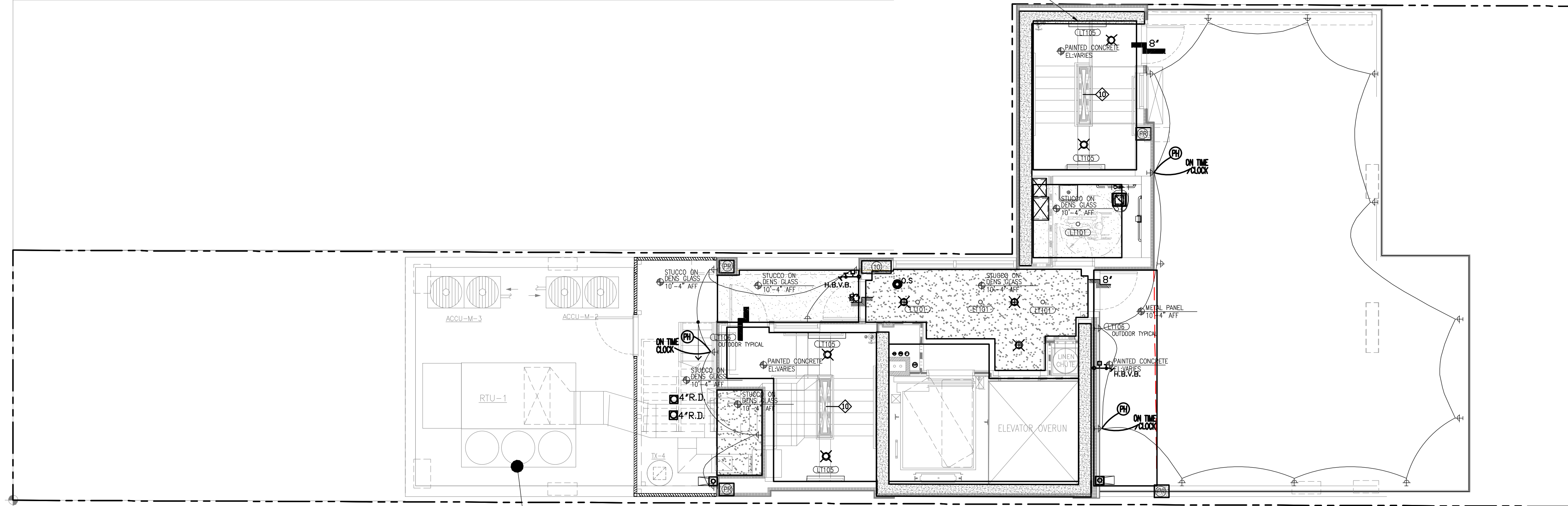
ROOF & BOILER ROOM REFLECTED CEILING PLAN

SEAL & SIGNATURE DATE: 5/11/2017
 SCALE: AS NOTED
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2 BOILER ROOM RCP
 3/16" = 1'-0"

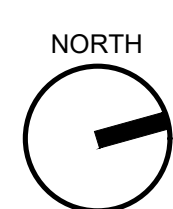


1 ROOF LEVEL RCP
 3/16" = 1'-0"

REFLECTED CEILING PLAN LEGEND:	
	PAINTED GYPSUM BOARD C.L.C. HEIGHT - AS INDICATED REPLACE WITH MOISTURE RESISTANT GYPSUM BOARD IN BATHROOMS
	EXPOSED METAL DECK, PAINTED
	PAINTED GYPSUM BOARD C.L.C. HEIGHT - AS INDICATED
	GRILLES
	CEILING MOUNTED SPRINKLER HEAD
	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)
	OCCUPANCY SENSORS

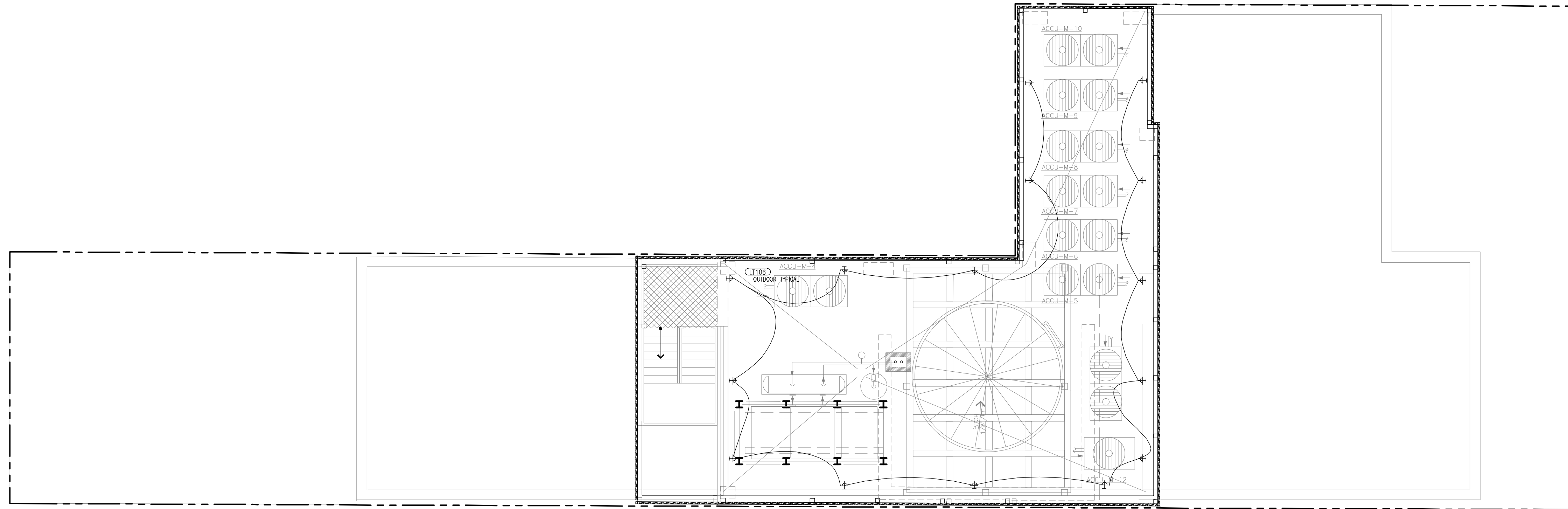
- AS PER ECC 405.2.5 ALL EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOSENSOR & TIME SWITCH, AND OCCUPANCY SENSOR IF OTHER THAN BUILDING FACADE OR LANDSCAPE LIGHTING.
 - AS PER ECC 405.2.1-1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE, ARE MANUAL ON TO NOT MORE THAN 50% POWER.
 - AS PER ECC 405.2.1-2, LIGHT REDUCTION CONTROLS ARE NOT REQUIRED AT: MEANS OF EGRESS/AREAS FOR EMERGENCY USE, MECH. ROOMS, GUEST ROOMS, RESTROOMS, STOREROOMS, AREAS WITH 1 LUMINAIRE WITH <100 WATTS, SPACES WITH <0.6 W/SF, WHERE OCCUPANCY SENSORS ARE PROVIDED.
 - AS PER ECC 408.2.3, FUNCTIONAL TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - AS PER ECC 405.2.1-405.2.2.1, AUTOMATIC TIME SWITCH CONTROLS /OCCUPANCY SENSORS SHALL BE INSTALLED TO CONTROL LIGHTING IN ALL AREAS OF THE BUILDING.
 - MAINTENANCE INSTRUCTIONS WILL BE PROVIDED TO THE BUILDING OWNER FOR EQUIPMENT AND SYSTEM AS PER NYCECC 408.2.5.2
 - DRAWINGS TO COMPLY WITH MANDATORY PROVISION OF SECTION C402.5.8 FOR RECESSED LIGHTING
 - REFER TO A-250 FOR LIGHTING SCHEDULE AND PRODUCT DATA.
- EXTERIOR LIGHTING CONTROLS:**
- SPEC CONTROLS THAT AUTOMATICALLY TURN OFF LIGHTING WHEN DAYLIGHT IS AVAILABLE AND AUTOMATICALLY REDUCE THE CONNECTED LIGHTING POWER BY AT LEAST 30% DURING ANY PERIOD WHEN NO ACTIVITY HAS BEEN DETECTED FOR A TIME NO LONGER THAN 15 MINUTES. ALL TIMED CONTROLS SHALL BE CAPABLE OF RETAINING PROGRAMMING AND SETTINGS DURING A LOSS OF POWER OF AT LEAST 10 HOURS.

GROVE PLACE (ALLEY)

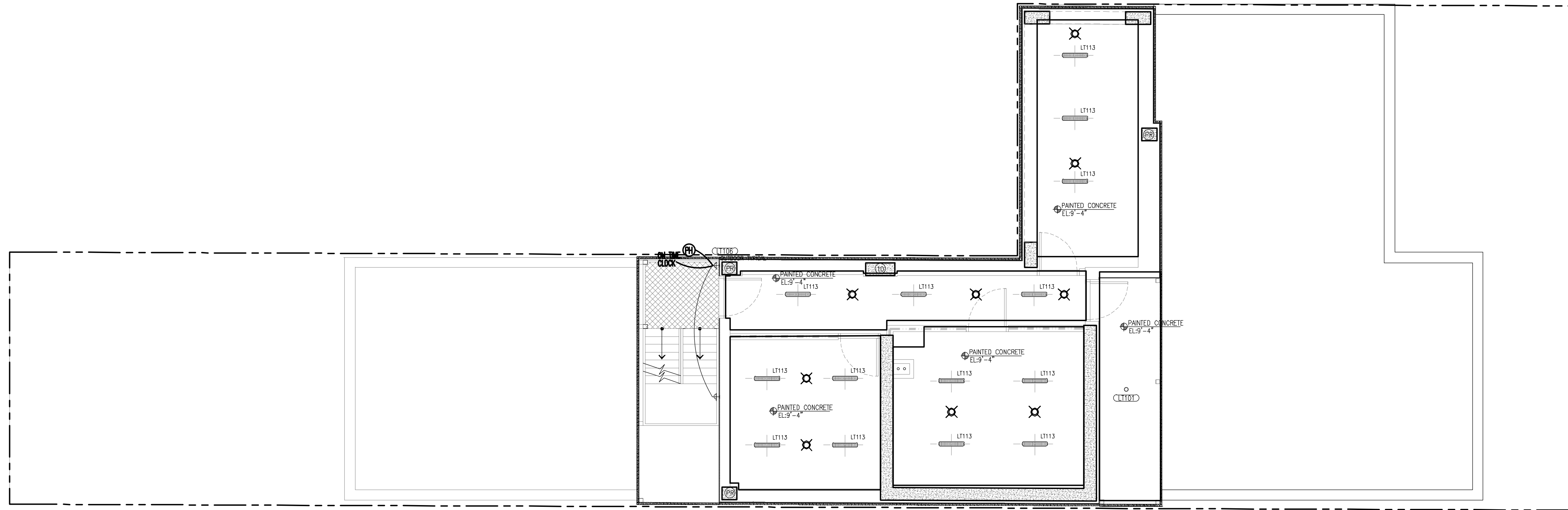


THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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2 WATER TANK RCP
3/16" = 1' - 0"



1 EMR RCP
3/16" = 1' - 0"

REFLECTED CEILING PLAN LEGEND:	
	PAINTED GYPSUM BOARD CLR. HEIGHT - AS INDICATED REPLACE WITH MOISTURE RESISTANT GYPSUM BOARD IN BATHROOMS
	EXPOSED METAL DECK, PAINTED
	PAINTED GYPSUM BOARD CLR. HEIGHT - AS INDICATED
	GRILLES
	EXPOSED DUCTWORK AND MECH. EQUIPMENT
	CEILING MOUNTED SPRINKLER HEAD
	WALL MOUNTED, STANDARD SPRAY, SPRINKLER HEAD
	EXHAUST FAN
	PHOTO SENSOR CONTROLS
	EXIT SIGN (CEILING MTD.)

- AS PER ECC 405.2.5 ALL EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOSENSOR & TIME SWITCH, AND OCCUPANCY SENSOR IF OTHER THAN BUILDING FACADE OR LANDSCAPE LIGHTING.
 - AS PER ECC C405.2.1.1, OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE, ARE MANUAL ON TO NOT MORE THAN 50% POWER.
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 - AS PER ECC C405.2.1.1/2, LIGHT REDUCTION CONTROLS ARE NOT REQUIRED AT: MEANS OF EGRESS/AREAS FOR EMERGENCY USE, MECH. ROOMS, GUEST ROOMS, RESTROOMS, STOREROOMS, AREAS WITH LUMINAIRE WITH <100 WATTS, SPACES WITH <0.6 W/SF, WHERE OCCUPANCY SENSORS ARE PROVIDED.
 - AS PER ECC C405.2.1.1, AUTOMATIC TIME SWITCH CONTROLS /OCCUPANCY SENSORS SHALL BE INSTALLED TO CONTROL LIGHTING IN ALL AREAS OF THE BUILDING.
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DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

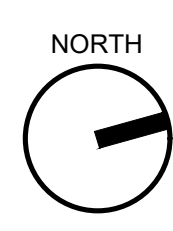
EXAMINER SEAL

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T 212 625 8700 www.gkarc.com

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EMR AND WATER TANK REFLECTED CEILING PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER:
	A-228.00
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291 Livingston - Hotel Lighting Schedule								
ITEM CODE	FIXTURE TYPE	LOCATION	MANUFACTURER	MODEL NUMBER	LAMPS	WATTAGE	COLOR / FINISH	COMMENTS
LTD100	ELECTRIC MIRROR	GUEST BATHROOM	MIRROR IMAGE	CUSTOM ILLUMINATED MIRROR	LED 3000K	58W	CLEAR GLASS W/ FROSTED SIDE PANELS	CONTACT: PAIGE NEUGARTEN paige@mirrormageinc.com (323) 869-0100
LT100	DOWNLIGHT WET	BATHROOMS	SENSO LIGHTING	LATONA -WET 515-781-812-30-01-10-STD	LED, 3000K, 1000LUMEN	9.4W	WHITE	CONTACT: STUART SCHEER stuart@htlighting.com 973-784-4944
LT101	RECESSED DOWNLIGHT	CORRIDORS	SENSO LIGHTING	ARTEMIS AR2D-FLA90-845-30-10-00-01	LED, 3000K, 1000LUMEN	10W	WHITE	*EM PACK AVAILABLE AS PER QUANTITY ON DWGS. CONTACT: STUART SCHEER stuart@htlighting.com 973-784-4944
LT102	GUESTROOM CEILING LIGHTS - DRY LOCATION	GUESTROOM VARIOUS PUBLIC	SENSO LIGHTING	ARTEMIS AR2D-FLA90-845-30-10-00-01	LED, 3000K, 1000LUMEN	10W	WHITE	CONTACT: STUART SCHEER stuart@htlighting.com 973-784-4944
LT104A	TWO PIECE PENDANT LINED UP	GUESTROOM	TBD	CUSTOM HARD-WIRED 2 PENDANTS	LED, 3000K	120V	BRUSHED BRASS, STEEL GLASS	TBD
LT104B	ONE PIECE PENDANT LINED UP	GUESTROOM	TBD	CUSTOM HARD-WIRED 1 PENDANT	LED, 3000K	120V	BRUSHED BRASS, STEEL GLASS	TBD
LT104C	THREE PIECE PENDANT CLUSTER	GUESTROOM	TBD	CUSTOM HARD-WIRED 3 PENDANTS	LED, 3000K	120V	BRUSHED BRASS, STEEL GLASS	TBD
LT104D	TWO PIECE PENDANT CLUSTER	GUESTROOM	TBD	CUSTOM HARD-WIRED 2 PENDANTS	LED, 3000K	120V	BRUSHED BRASS, STEEL GLASS	TBD
LT105	BI-LEVEL MOTION SENSOR SCOURCE	STAIRWELL	PRIMUM LIGHTING	ALQ2-RLR-LED SERIES	7.5W/FT. 3000K LED BULB	16W/FIXTURE	WHITE, FROSTED LENS	*ALQ2-RLR-LED-M-3K-UNV-JBP-SEB-MSP-W-2* CONTACT: STUART SCHEER stuart@htlighting.com 973-784-4944 ** EM PACKS AVAILABLE AS REQUIRED BY DWGS
LT106	PARAPET LIGHTING	2nd FLOOR TERRACE OUTDOOR	LIGMAN LIGHTING	UEC-4071	LED 3000K,	23W, WHITE LED	FINISH TBD	ULLISTED FOR WET LOCATIONS, ADA COMPLIANT DEPTH
LT107	PIN LIGHT	GUEST BATHROOM	TBD	CUSTOM RECESSED PIN LIGHTS	LED 3000K	TBD	TBD	TBD
LT109	LED STRIP LIGHTING	VARIOUS PUBLIC	LEDI LIGHTING	INSPIRE V4 NUDE SUPER BRIGHT LED TAPE LIGHT V4-NUDE-30-SB-BLK-50	LED 3000K	4.4W/FT	N/A	CONTACT: STUART SCHEER stuart@htlighting.com 973-784-4944
LT110	DECORATIVE PENDANT	RESTAURANT	BOVER	MOS-03	(6) 20W E26 TRIPPLE CFL	120W	CREAM RIBBON #224P621U	
LT111	CEILING FIXTURES	BACK OF HOUSE & STORAGE	LITHONIA LIGHTING	CA-CORRIDOR WRAP AROUND #CA-2-17-AWR-120V	(2) T8	34W	HIGH IMPACT, FROSTED PRISMATIC LENS	*AVAILABLE WITH EL- EMERGENCY BATTERY PACK PER LOCATIONS ON DWGS
LT112	PENDANTS	RECEPTION DESK	VIBIA	SUM # 0920 (SINGLE)	3100K, LED 43 LUMEN	2.1W	BLACK	
LT113	DOWNLIGHT	ELEVATOR CAB	EUREKA	1111A	LED, 4.30.17, 3000K	4W	BLACK BAFFLE	CONTACT: MOTRIA MITRINGA motria@internationalights.com 212.414.2803 *310
LT114	SCOURCE	RESTROOM SCOURCE CELLAR FLOOR	EUREKA	SILENE CLASSIC DOUBLE #315580,DJA	(2) 13W, CFL G24Q1 BASE	26W	JOJA WHITE ACRYLIC SHADE, SATIN CHROME	CONTACT: MOTRIA MITRINGA motria@internationalights.com 212.414.2803 *310
LT115	DECORATIVE CEILING FIXTURES	FITNESS CENTER	LZF	GUARROS	LED SLIM LAMP (1) 6W	6W	#20 IVORY WHITE	
LT116	EQUIP LIGHTING	BOH - WHERE EXPLOSION PROOF IS NEEDED.	RAB LIGHTING	EX12 - PS-25	A-21/300W	300W	CLEAR PRISMATIC LENS, SILVER GRAY	
LT117	RECESSED ACT CEILING FIXTURE	CELLAR	precis e LED	FLATLINE 2X2 #FLT-22-38W-80C-30K-GD	3000K, led	36W	WHITE	*EM PACK AVAILABLE AS PER QUANTITY ON DWGS
LT118	DECORATIVE CEILING FIXTURES	MEETING ROOM	BOVER	OLIVER, 120 V	(1) 14W E26, A 19 CFL	14W	CHROME AND CREAM TRANSLUCENT RIBBON	
LT119A	DECORATIVE LOBBY PENDANTS	LOBBY	PABLO LIGHTING	BOLA - 32"	2700K, LED 1560 LUMENS	20W	ROSE GOLD	FULLY DIMMABLE
LT119B	DECORATIVE LOBBY PENDANTS	LOBBY	PABLO LIGHTING	BOLA - 22"	2700K, LED 1160 LUMENS	15W	CHROME	FULLY DIMMABLE
LT119C	DECORATIVE LOBBY PENDANTS	LOBBY	PABLO LIGHTING	BOLA - 18"	2700K, LED 640 LUMENS	8W	BRASS	FULLY DIMMABLE
LT120	PENDANT	RESTAURANT BUFFET COUNTER	D'AC LIGHTING	D5028-IF26-120-CBL	(1) 26W 4PIN GX24Q-3	26W	CBL - BRUSHED COPPER	CONTACT: MOTRIA MITRINGA motria@internationalights.com 212.414.2803 *310
EXT SIGNS	EXT SIGNS	CEILING MOUNTED	LIGHT FIXTURE INDUSTRIES	NYELR-R	3W, 120V	5W DURING BATTERY BACKUP OPERATION	RED LETTERING	EXTLIGHTINGCO.COM NICAD BATTERY
EXT SIGNS	EXT SIGNS	W WALL MOUNTED (ALSO SUITABLE FOR WET LOCATION)	LIGHT FIXTURE INDUSTRIES	NYCELRT-BB	4.8W, 120V	4.8W	RED LETTERING, ALUMINUM HOUSING	EXTLIGHTINGCO.COM NICAD BATTERY

AcuityControls
XPoint Wireless

XPoint™ Wireless Wet Location Multi-Sensor and Controller

OVERVIEW
The XPoint Wireless Sensor/Controller is a relay with 0-10V dimming control, occupancy sensor, and photo controller all in one device. The Sensor/Controller provides a cost-effective solution for exterior areas or applications where an IP66 enclosure is needed to provide control, occupancy detection, and daylight harvesting per individual fixture. It also has the added benefits of intelligent network communication including group control, current monitoring, and driver/lamp outage detection. The Sensor/Controller can be quickly installed on any fixture with a standard 1/2" knockout (KO) for field or factory installation. The Sensor/Controller is a point of control for a flexible XPoint Wireless network in which lights can be easily configured to respond to one or more priorities. The system achieves energy savings not previously possible with control restricted to electrical circuits. XPoint Wireless utilizes the "Advan" wireless protocol for robust communication by forming a self-healing, adaptive mesh network that maintains connectivity even in difficult environments.

FEATURES

- Individually addressed
- Microcontroller that responds to the highest priority command
- Zero-cross switching for inrush protection
- Digital FIR and digital photodiode
- Measuring of energy consumption of controlled lighting
- Non-volatile memory retains information during power failures
- Integrated internal antenna - no external antenna required
- IP66 rated enclosure
- UL924 Listed option available for use with central emergency circuits

Warranty
Three-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/terms_and_conditions.aspx
Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

ORDERING INFORMATION

System Type	Sensor & Lens Type	Mounting Option	Color	Emergency
XPA Xpoint Wireless	SBOR6* with relay and without lens SBOR6 with relay and high bay lens SBOR70 with relay and extended range lens SBOR6* without relay and without lens SBOR6* without relay and high bay lens SBOR10* without relay and extended range lens	LL long neck w/ long knockout extender LS long neck w/ short knockout extender SL short neck w/ long knockout extender SS short neck w/ short knockout extender	WH white BR dark bronze BK black NA natural aluminum (gray)	[blank] standard EMF emergency

1. * Lens option indicates wireless controller with no sensing capability to be used as a dimmer ballast controller.
2. SBOR models only available with Emergency "EM" option.
3. EM Options are UL924 listed for use with central emergency circuits. Refer to XPoint Wireless UL924 Technical Bulletin for specific details and proper use.

Acuity Brands | One Lithonia Way, Cary, GA 30012 | Phone: 800.535.2465 | www.acuitycontrols.com | XPOINT_WIRELESS_WET_LOCATION_MULTISENSOR_CONTROLLER | © 2014-2015 Acuity Brands Lighting, Inc. All rights reserved. Rev. 10/29/15

TECHNICAL BULLETIN: UL924 LISTED XPOINT WIRELESS DEVICES

OVERVIEW
This paper summarizes the appropriate use of UL924 listed XPoint wireless devices. UL924 applies to emergency lighting and power equipment for use in unclassified locations and intended for connection to branch circuits of 600 volts or less. Such equipment is intended to automatically supply illumination or power or both to critical areas and equipment in the event of failure of the normal supply in accordance with Article 700 or 701 of the National Electrical Code, NFPA 70, the Life Safety Code, NFPA 101, the Fire Code, NFPA 1, the International Building Code, IBC, and the International Fire Code, IFC.

AVAILABLE MODELS
XPoint Wireless light controllers and sensor/controllers are available in models that are listed under the UL924 standard. The UL924 compliant model numbers are:
• XPA RL1 DSI EM / XPA RLO DSI EM Internally mounted wireless controller, integral to luminaire
• XPA CMRB__EM / XPA CMNB__EM Externally mounted wireless controller and sensor, attached to luminaire or junction box. __ indicates occupancy sensor lens type.
• XPA SBOR__EM / XPA SBON__EM Externally mounted wireless controller and sensor, attached to luminaire or junction box. __ indicates occupancy sensor lens type.
NOTE: All "EM" models are UL924 listed, with UL-required product markings that indicate suitability for use on emergency lighting circuits.

INTENDED APPLICATIONS
The XPoint Wireless UL924-listed controllers are intended for use on central emergency power systems that provide some type of power interruption when transferring to the emergency power source, such as diesel generators. The power interruption during transfer time must be greater than 30 ms in order for the XPoint Wireless controllers to activate the Egress Mode functionality (see next section, "Sequence of Operations").
The XPoint Wireless UL924-listed controllers are **not** intended for use with the following types of emergency lighting systems:
• Luminaires with integral battery inverter or battery driver/ballast. A normal (non-UL924) XPoint Wireless controller may be used, and should be wired with its relay output connected to the switched input of the battery unit, as indicated in the wiring diagram for the emergency power source.
• Non-interruptible central emergency power systems. The power interruption when transferring from normal utility power to emergency backup power is required for the XPoint Wireless "EM" controller to activate its Egress Mode and provide full light output.

SEQUENCE OF OPERATIONS:

Egress Mode
The UL924 XPoint Wireless Light Controllers are designed to provide fully tuned light output for 90 minutes following power loss (also referred to as "Egress Mode"), ignoring both manual and automatic dimming/occupancy/daylight control signals during this time. The sequence of operations is as follows:
• Normal condition: controller can dim and turn off the load as normal, in response to automatic and manual control.
• Utility power fails, and controller loses power.
• Backup power source activates, transfer switch moves the emergency circuit powering the controller onto the backup source, and controller regains power.
• Controller detects power interruption > 30ms.
• The controller ignores all dimming commands and controls the driver or ballast to fully tuned light output for 90 minutes - the relay is closed and the 0-10V dimming signal is set at the maximum trim level (default 9.3VDC, user programmable).
• The device resumes normal dimming controls after 90 minutes.
*requires relay (e.g., XPA RL1, XPA CMRB, XPA SBOR), otherwise the controller can only dim the load in the no-relay models (e.g., XPA RLO, XPA CMNB, XPA SBON)

Acuity Brands | One Lithonia Way, Cary, GA 30012 | Phone: 800.535.2465 | www.acuitycontrols.com | XPOINT_WIRELESS_WET_LOCATION_MULTISENSOR_CONTROLLER | © 2014-2015 Acuity Brands Lighting, Inc. All rights reserved. Rev. 10/29/15

1) AS PER C408.3.2 THE CONSTRUCTION DOCUMENTS SHALL SPECIFY THAT DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTS PERFORMANCE CRITERIA OF SECTION C405 ARE TO PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

WIRING DIAGRAMS

XPA SBOR

XPA SBOR EM

Wiring Legend
BLACK - Line Input
BLUE - Switched Load Output (XPA SBOR only)
RED - Unswitched Load Output (XPA SBOR only)
WHITE - Neutral
VIOLE- 0-10VDC dimming signal
GRAY- 0-10VDC common
Do NOT wire hot.

COVERAGE PATTERNS

XPA SBOR6 High Bay 360° Lens

XPA SBOR10 Extended Range 360° Lens

SPECIFICATIONS

Dimensions: 3.71" w x 3.71" h x 3.36" d
Mounting: 1/2" knock out (KO). Gasket seal included
Relays: Latching, SPST, Zero Crossing Control
Max. switched current: 5.6A Ballast rating
0-10V current sinking: Up to 5 mA
Wires: 18" long, rated for 600VAC, 18AWG
Power supply inputs: 120/277 VAC
Voltage measurement: 2% accuracy full scale
Current measurement: 2% accuracy full scale
Ambient temperature: -40° - 150° F (-40° - 70° C)
Memory: Configurable programming stored in non-volatile memory
Wireless protocol: Advan (2.4GHz)
RF transmission output power: +18 dBm
Certifications: FCC ID: S468XMS38L
IC: R733A-EM38SL
Listings: UL and cUL listed

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UL924 LISTED XPOINT WIRELESS DEVICES (cont.)

Default Out-of-the-Box (Pre-Startup) Sequence of Operation
XPoint Wireless Light Controllers are intended for networked, programmed operation. The XPoint Wireless Light Controllers have the following behavior prior to system startup by a trained technician.
• XPoint Wireless Light Controllers without Integrated Sensor (e.g., XPA RL1 RLO DSI with no sensor attached)
• The light level is approximately 100%. (The relay is closed and the default dimming control voltage is 9.3VDC.)
• The light does not respond to other wireless sensors or controls until it is networked with other devices.
• XPoint Wireless Light Controllers with Integrated Sensor (e.g., XPA RL1 RLO DSI with XPA DS sensor attached, XPA SBOR/SBON, XPA CMRB/CMNB)
• The light is controlled by the integrated occupancy sensor with no networking or grouping.
• The default occupied light level is approximately 100% (9.3VDC dimming control voltage).
• The default unoccupied light level is approximately 30% (3.5VDC dimming control voltage).
• The default time delay following sensor vacancy is 5 minutes, with an additional 5 minute slow ramp from the occupied light level to the unoccupied light level.
• The daylight sensor is not enabled by default.
• The Light Controller will not respond to changing daylight conditions.
During the system startup process, once the XPoint Wireless Light Controllers are networked and grouped, then the occupancy sensor settings and daylight sensor settings can be programmed by a trained technician to the specified settings.

DEVICE TYPES AND WIRING:
There are two styles of devices available, those with relay and those without relay.
Most applications will call for UL924 relay models, so that lights may be completely turned off (e.g., indoor or parking garage). For example, California Title 24 energy code requires that luminaires in daylight zones of parking garages must be completely turned off when adequate daylight is available. If this daylight zone is powered by an emergency lighting circuit, a UL924 solution allows the luminaire and circuit design to be compliant with both the energy code and life safety code.
The UL924 listed part numbers for controllers with relays are:
• XPA RL1 DSI EM
• XPA SBOR__EM
• XPA CMRB__EM
Example Wiring Diagram - Controller with Relay
XPA RL1 DSI EM

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Controller Model	Relay Type	Controller Power Supply Failure Mode
RL1	Electrically held NO relay	Open (Lamp OFF)
CMRB/SBOR	Latching relay, no failure bias	Last State (Lamp can be ON or OFF) Dimming Circuit Open (full light output, if relay is closed)
RLO, CMNB, SBON	There is no relay	Pass through (Lamp ON; assumes driver still functional) Dimming Circuit Open (full light output)

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02/08/03/2017 ISSUED TO DOB
01/06/07/2017 ISSUED TO DOB

ISSUED DRAWINGS

STRUCTURAL ENGINEER
GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER
GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

JOB NUMBER NB#321193230

EXAMINER SEAL

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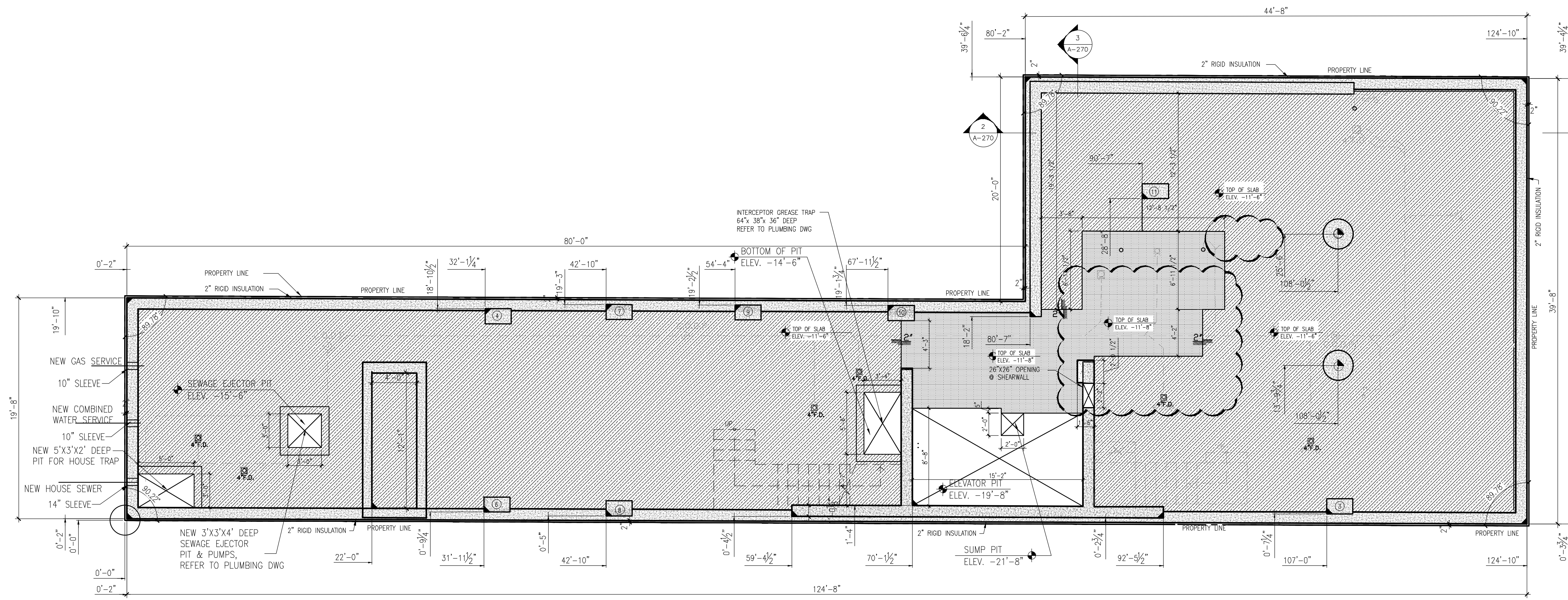
LIGHTING SCHEDULE

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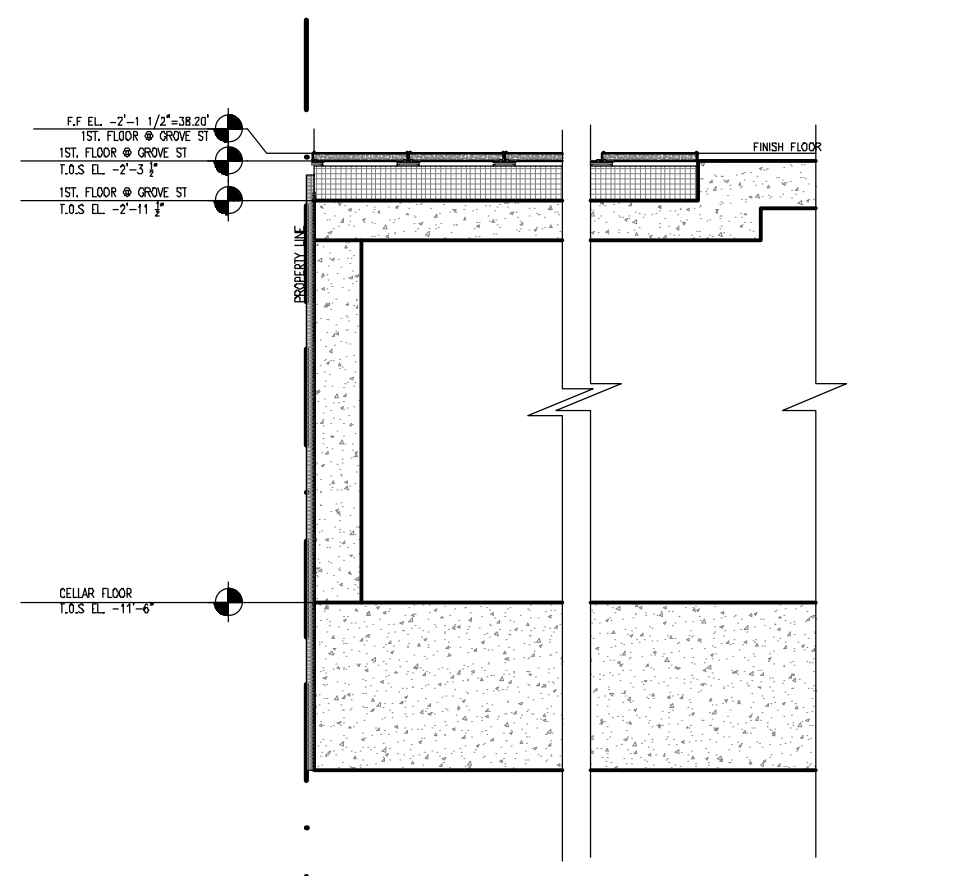
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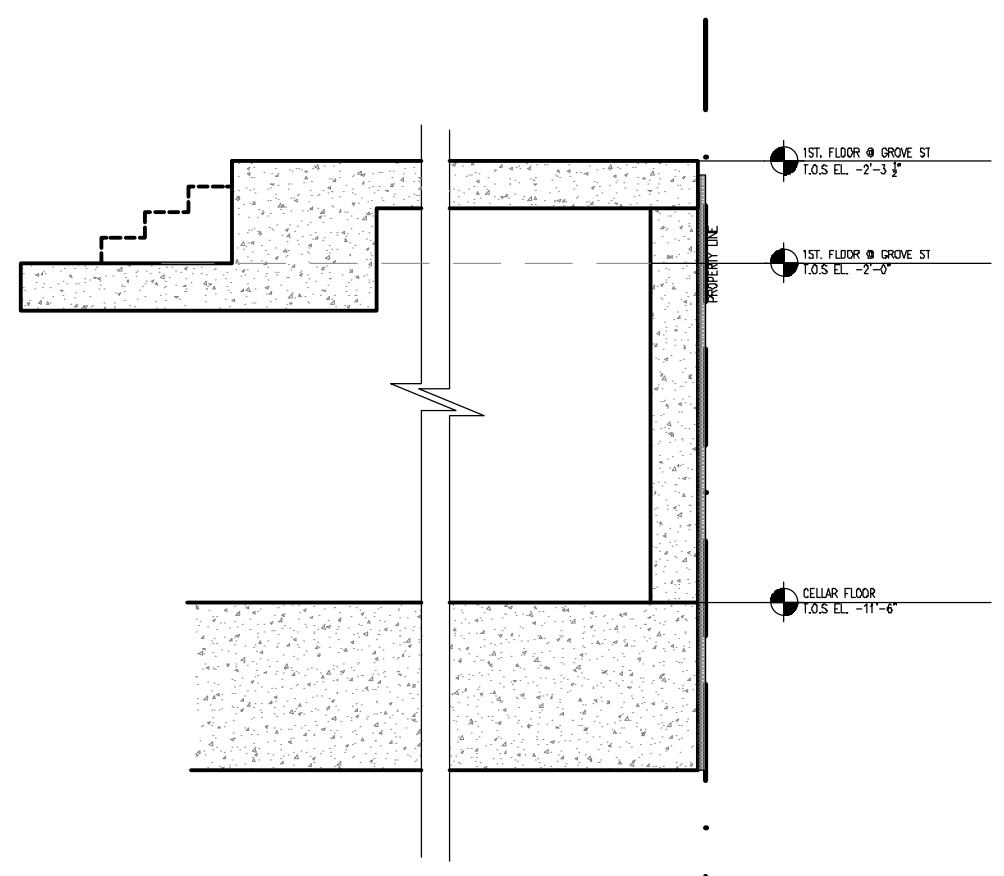
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1 CELLAR FLOOR SLAB EDGE
3/16"=1'-0"



2 SECTION 1
1/4"=1'-0"

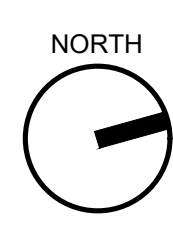


3 SECTION 2
1/4"=1'-0"

- NOTES:
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LEGEND:

SLAB	
MECH SLAB OPENING	
SLAB OPENING	



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MEP ENGINEER
JOB NUMBER NB#321193230

EXAMINER SEAL

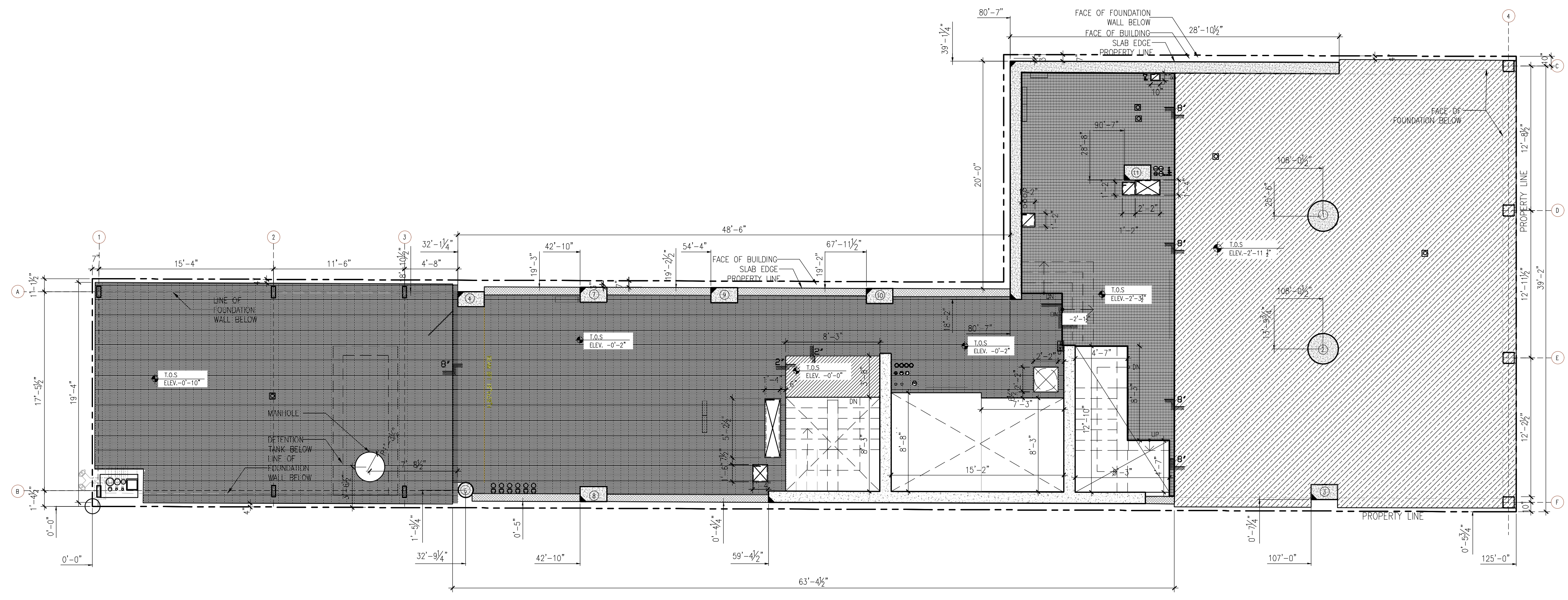
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CELLAR FLOOR SLAB EDGE

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08	06/22/2018	ISSUED TO DOB
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MEP ENGINEER

JOB NUMBER NB#321193230

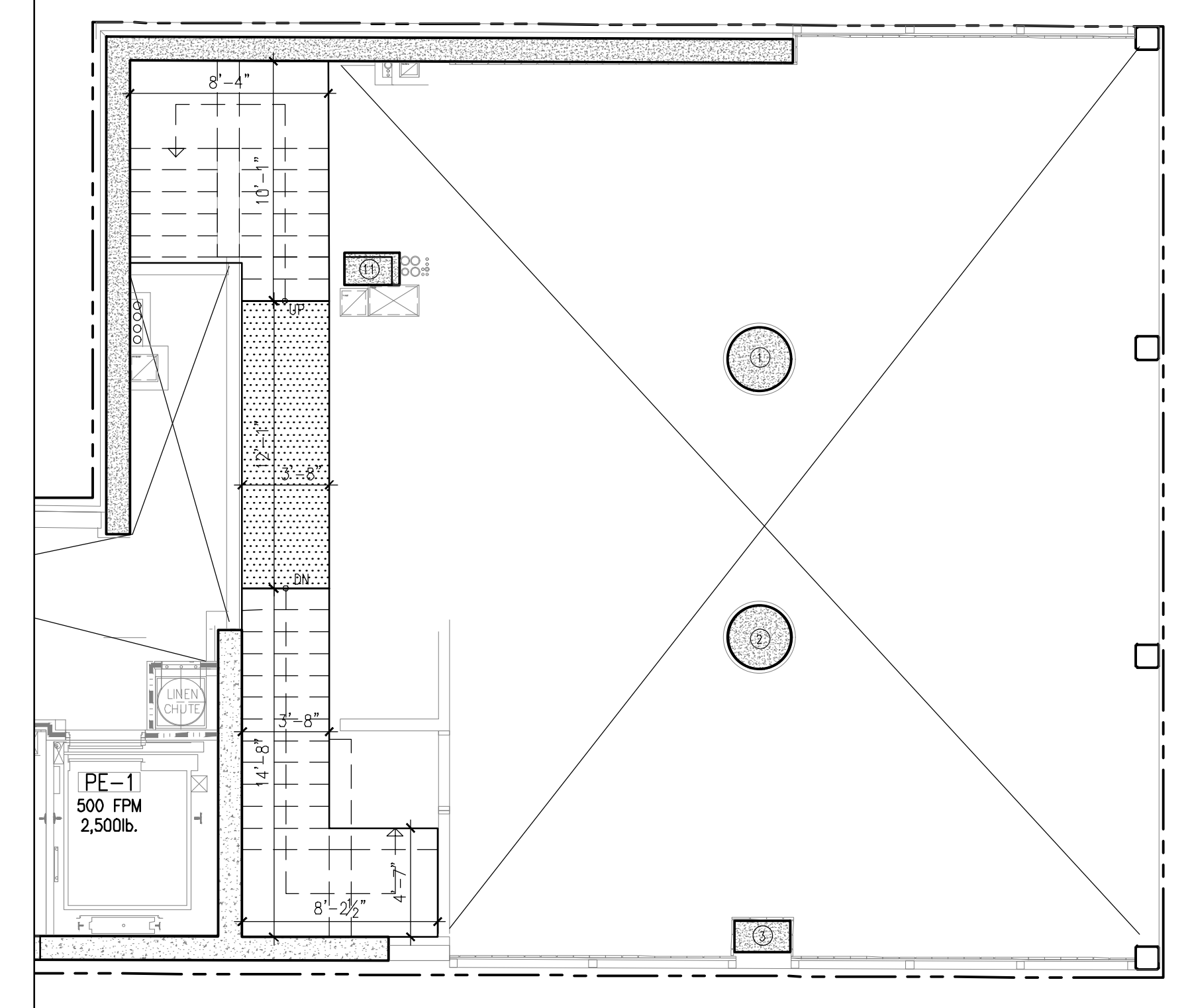
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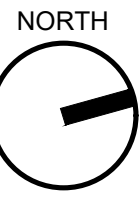
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1ST FLOOR SLAB EDGE

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2 STAIR TRANSFER SLAB EDGE
3/16"=1'-0"



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ISSUED DRAWINGS

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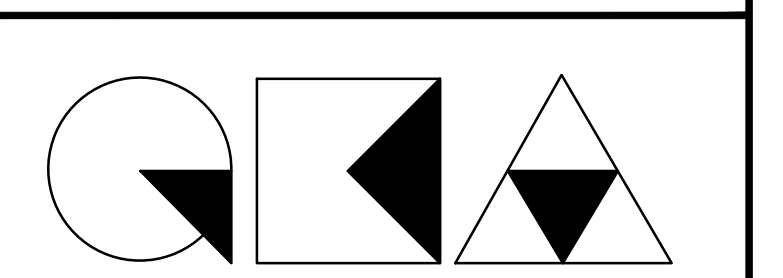
STRUCTURAL ENGINEER

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MEP ENGINEER

JOB NUMBER NB#321193230


EXAMINER SEAL



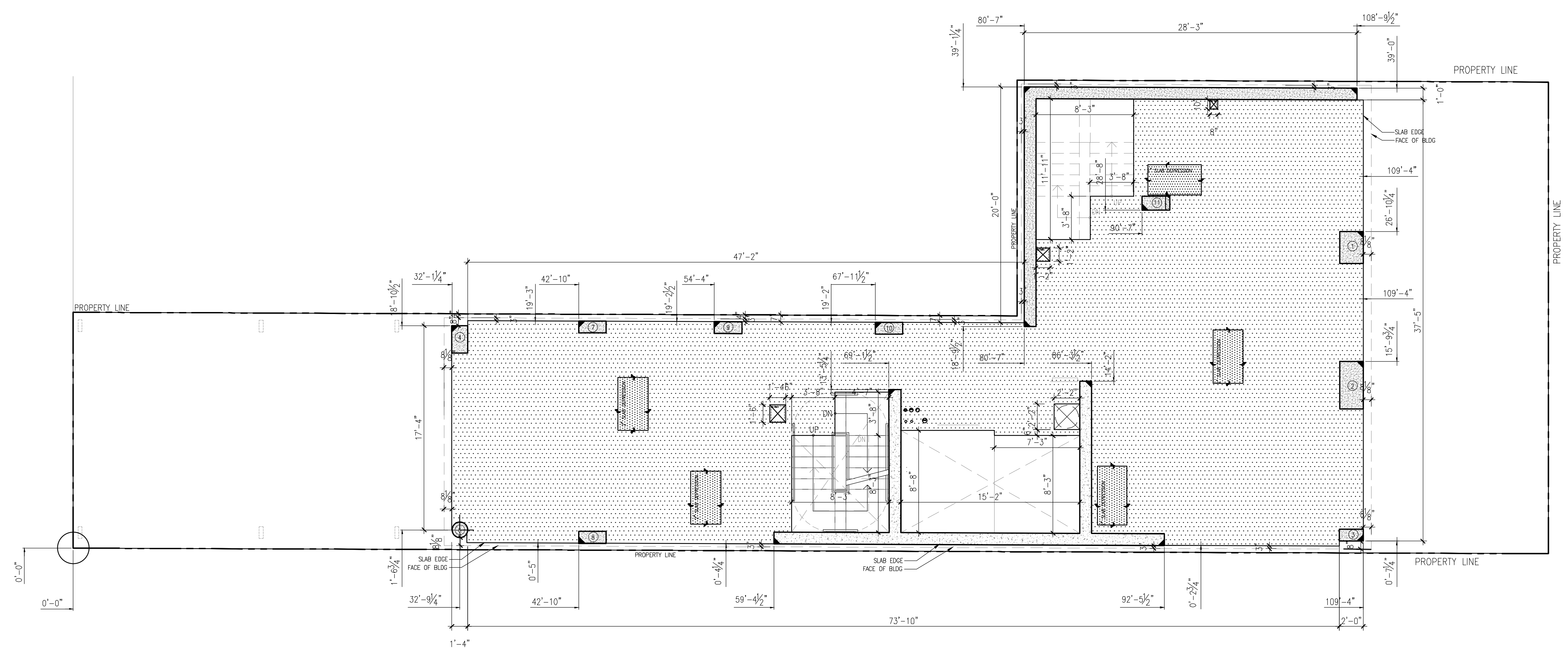
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2ND FLOOR SLAB EDGE

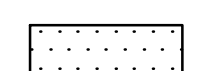

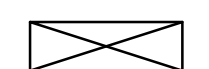
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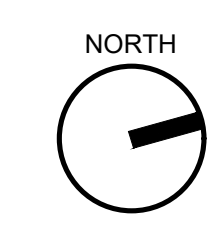
80' WIDTH (WIDE STREET)



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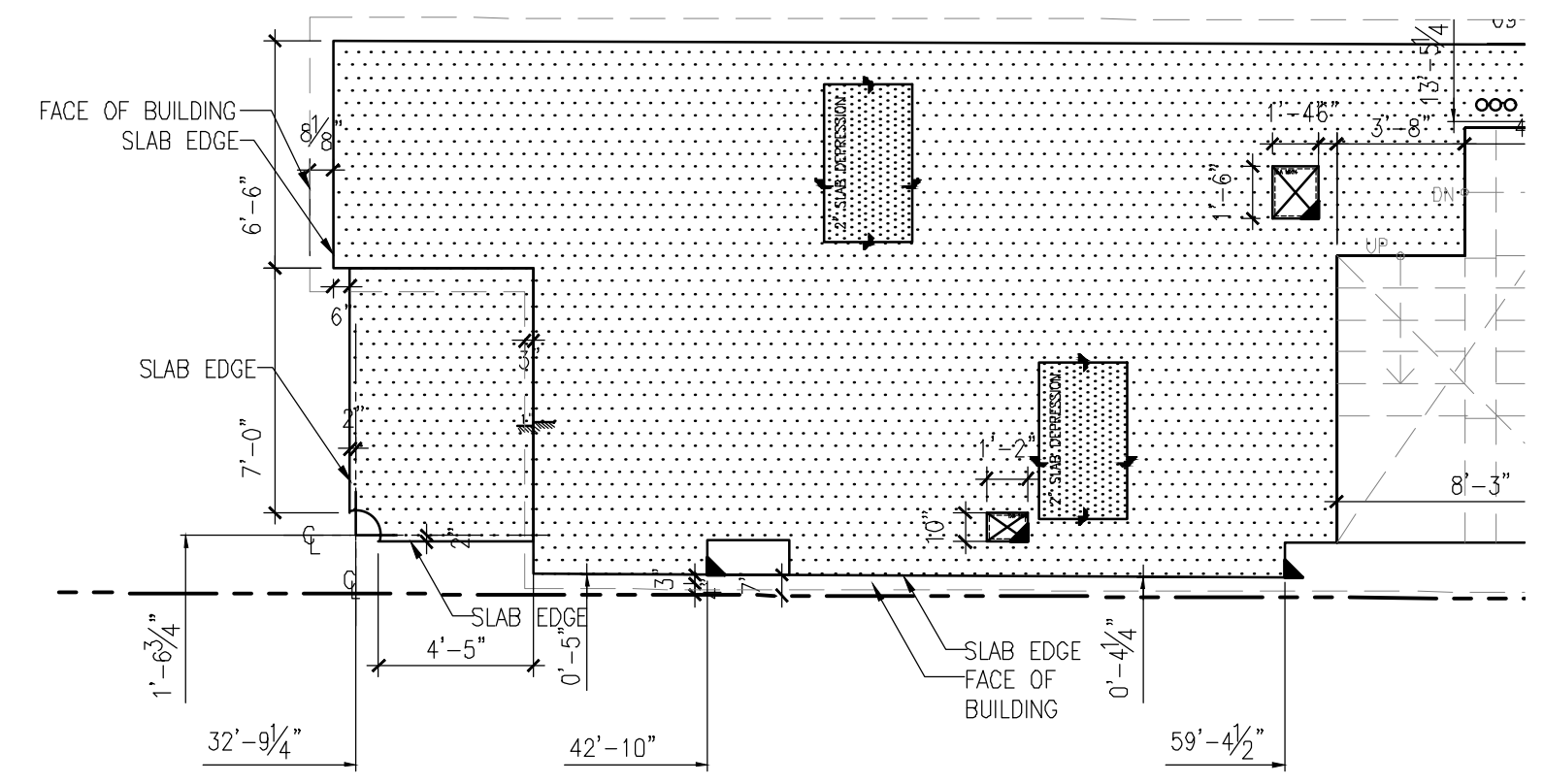
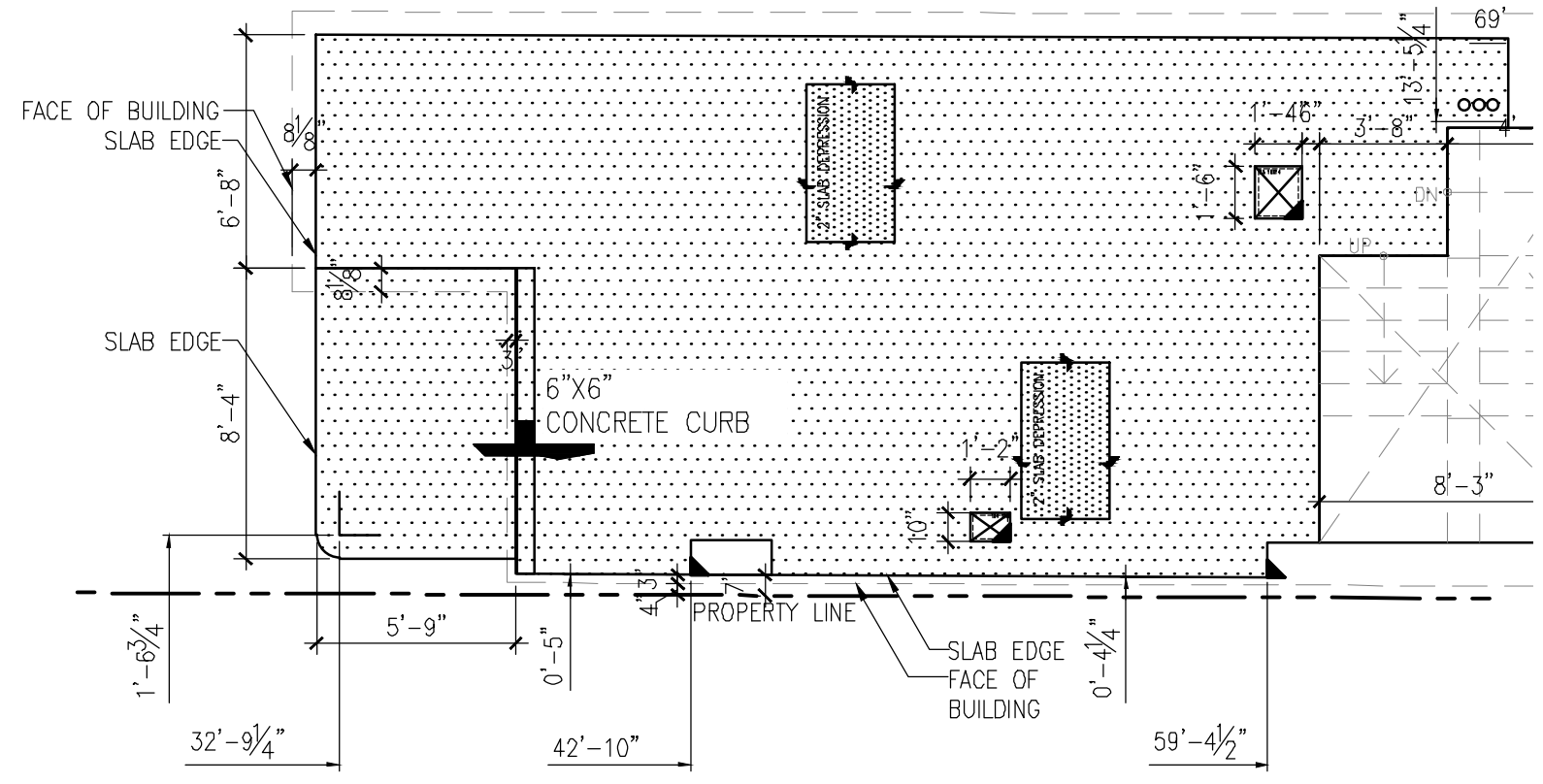
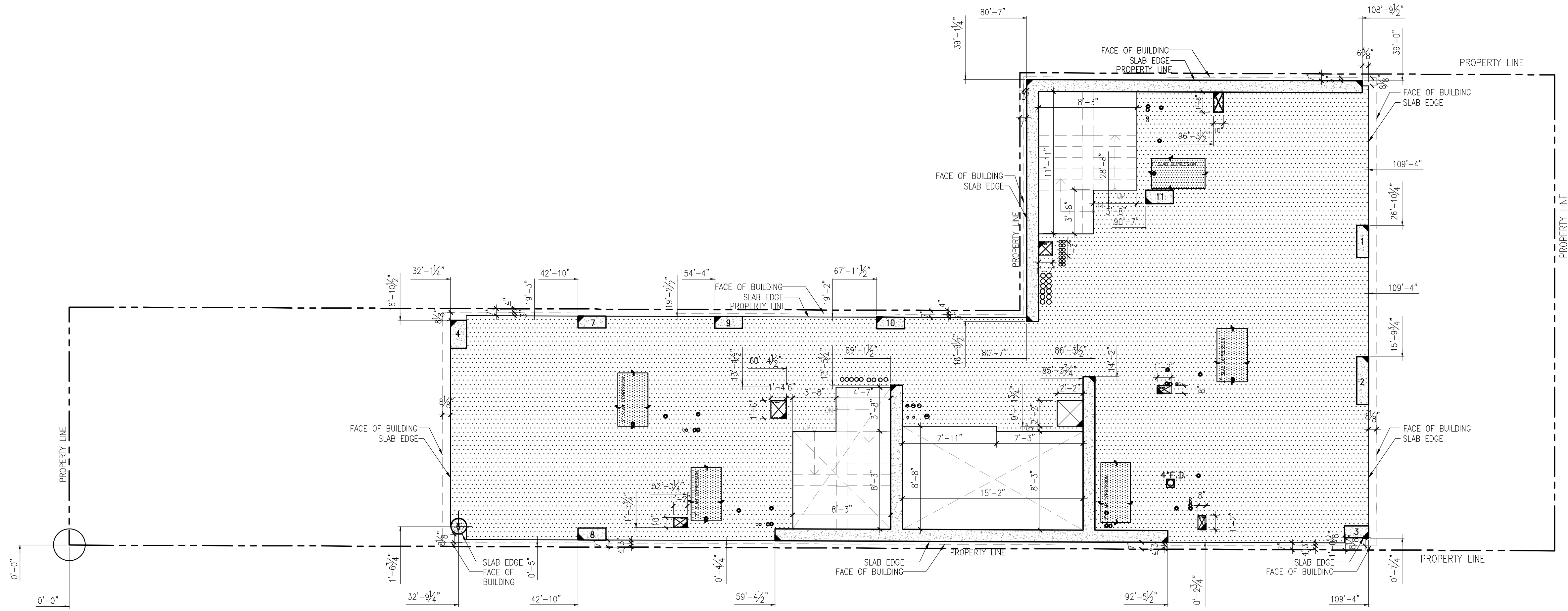
LEGEND:

SLAB	
MECH SLAB OPENING	
SLAB OPENING	

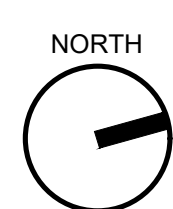
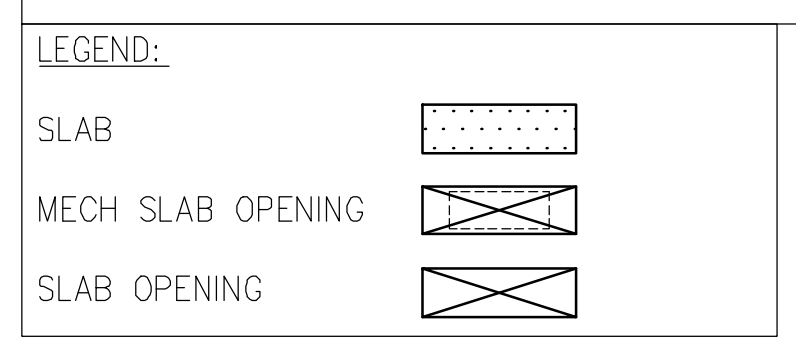


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 MEP ENGINEER

JOB NUMBER NB#321193230
 EXAMINER SEAL

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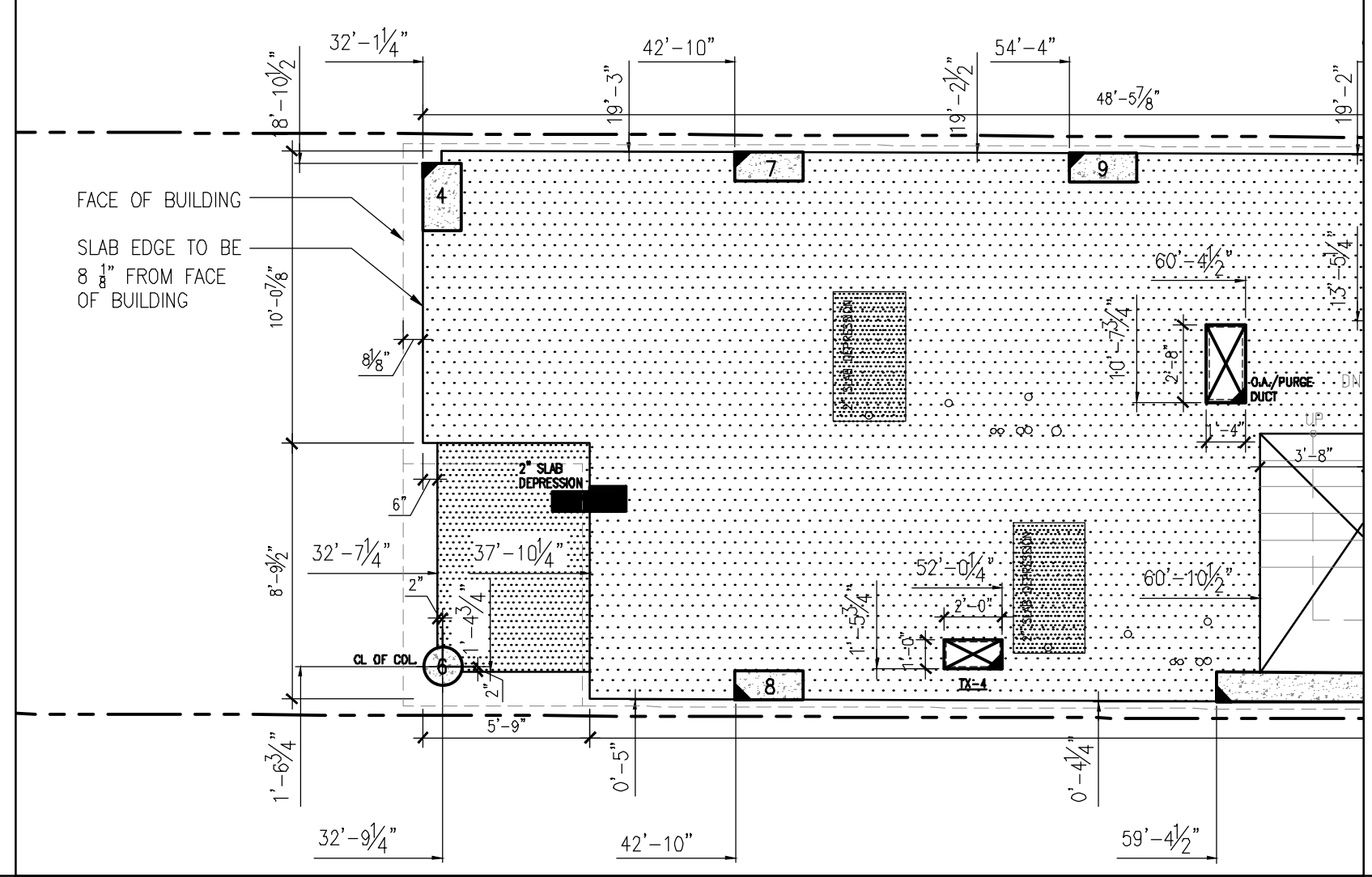
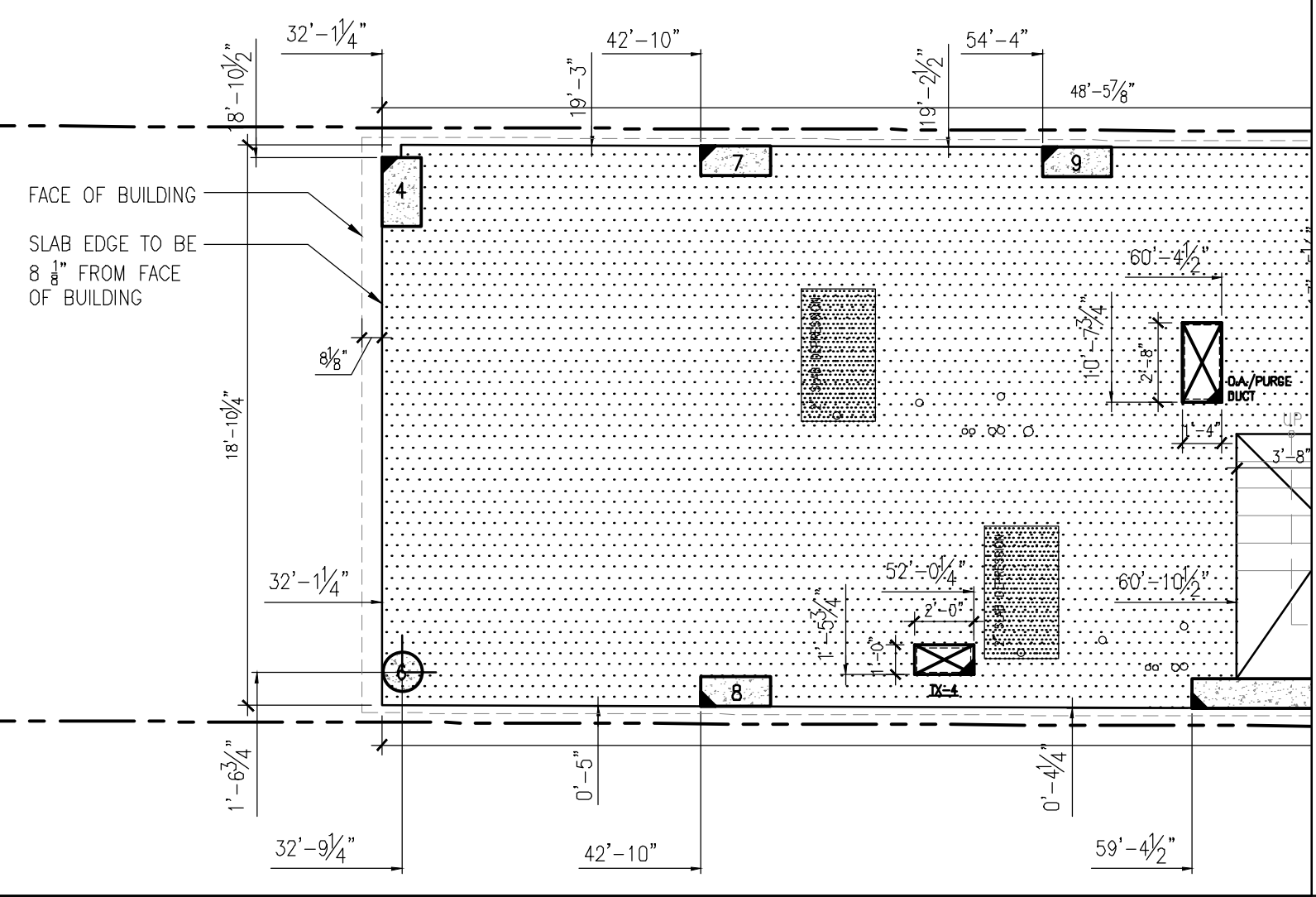
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3RD-6TH FLOOR SLAB EDGE

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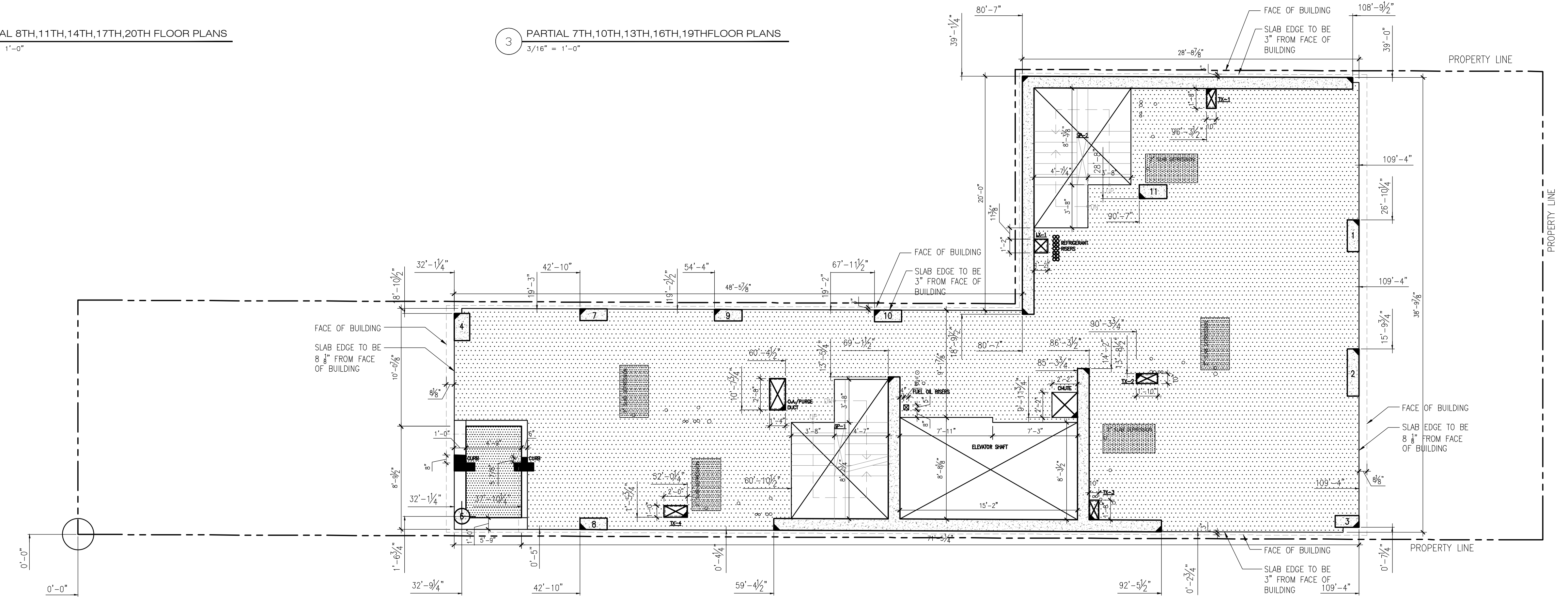
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2 PARTIAL 8TH, 11TH, 14TH, 17TH, 20TH FLOOR PLANS
3/16" = 1'-0"

3 PARTIAL 7TH, 10TH, 13TH, 16TH, 19TH FLOOR PLANS
3/16" = 1'-0"

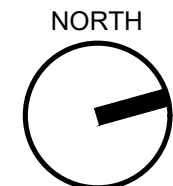


1 9TH, 12TH, 15TH, 18TH, 21ST FLOOR PLANS
3/16" = 1'-0"

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LEGEND:

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MECH SLAB OPENING	
SLAB OPENING	



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STRUCTURAL ENGINEER

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MEP ENGINEER

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EXAMINER SEAL

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7TH-21ST FLOOR SLAB EDGE

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	DRAWING NUMBER:
	A-274.00
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09	10/19/2018	ISSUED ADDENDUM #1
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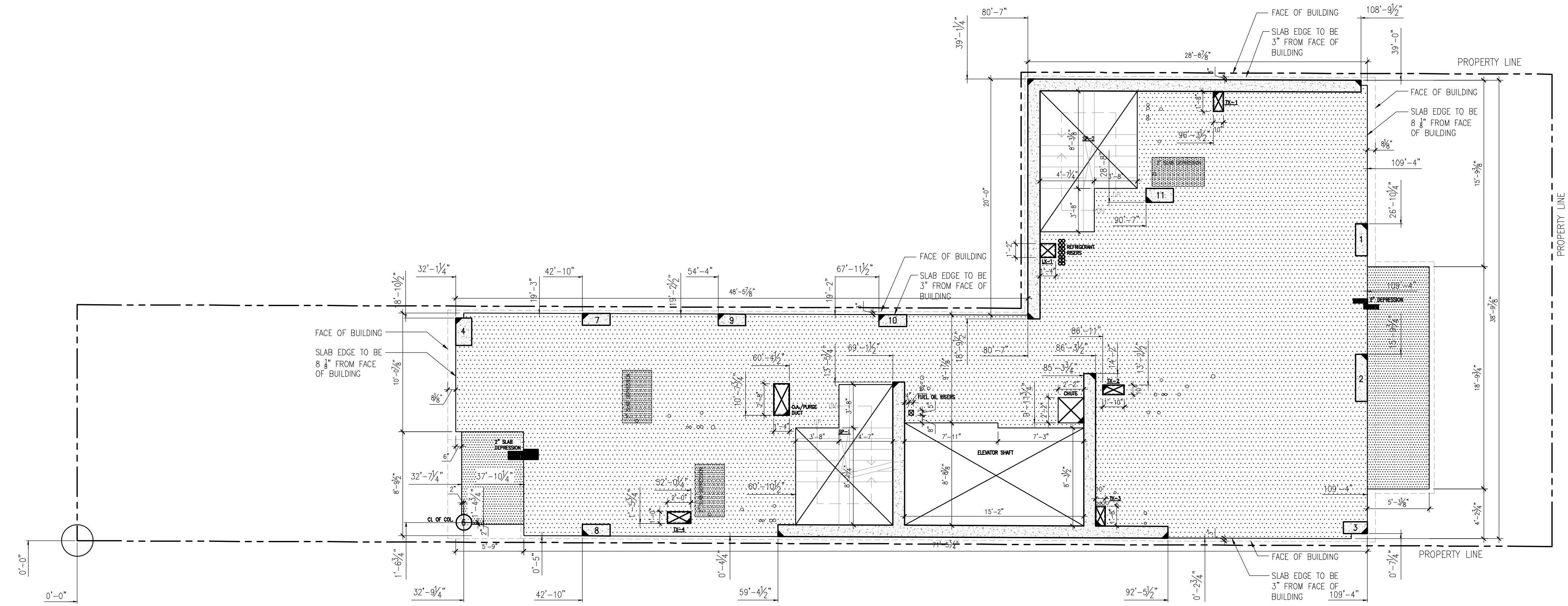
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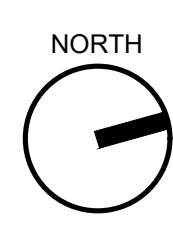
22ND FLOOR SLAB EDGE

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-275.00
	PAGE #



- NOTES:**
- FOR LOCATIONS AND DIMENSIONS OF ALL BEARING WALLS, SHEAR WALLS, COLUMNS AND OTHER STRUCTURAL ELEMENTS REFER TO STRUCTURAL DWGS.
 - G.C. TO COORDINATE SIZE FOR PLUMB. CHASES W/ M.E.P. DWGS.
 - GC TO CONFIRM REQUIRED MECHANICAL OPENINGS ON SLABS W/ MEP DRAWINGS
 - GC TO COORDINATE ALL SLAB PENETRATION WITH MEP SUB CONTRACTOR
 - GC TO VERIFY ALL DIMENSIONS AND OPENINGS.
 - FOR TYPICAL REINFORCING DETAILS AT SLAB PERFORATION REFER TO STRUCTURAL DRAWINGS.
 - GC TO COORDINATE CONCRETE STAIR SEAT REQ. DIMENSION/LOCATION AT STAIR OPENING'S SLAB EDGE.
 - GC TO COORDINATE WITH ELEVATOR CONTRACTOR IF ANY INSERTS ARE NEEDED FOR ELEVATOR PIT

- LEGEND:**
- SLAB
 - MECH SLAB OPENING
 - SLAB OPENING



THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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09	10/19/2018	ISSUED ADDENDUM #1
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

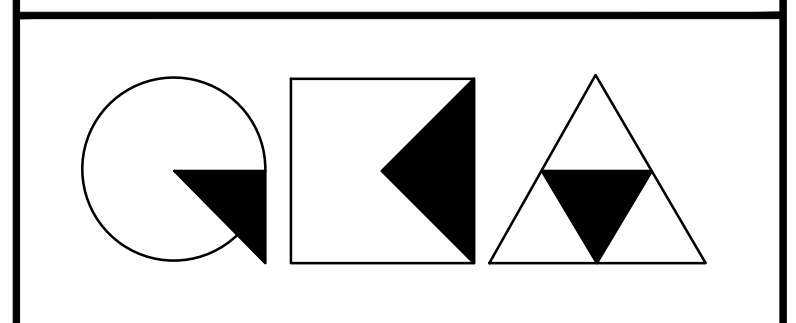
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GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230


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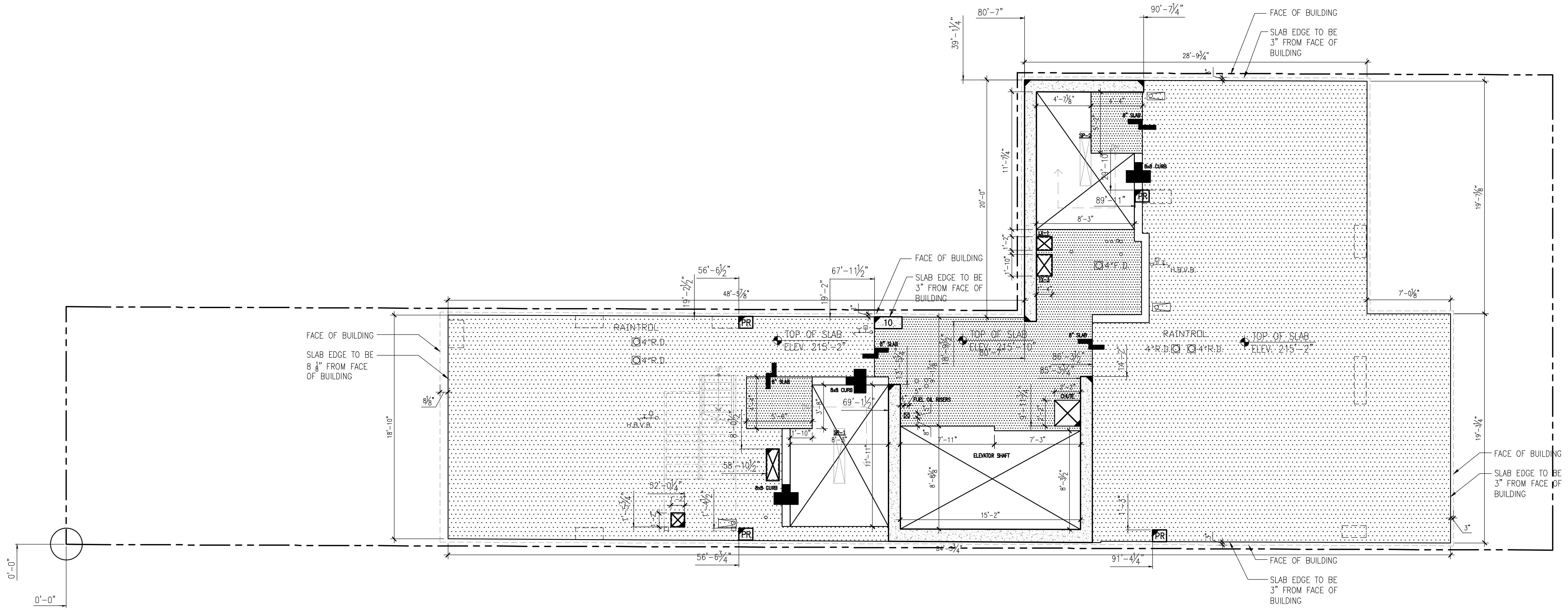


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ROOF FLOOR SLAB EDGE

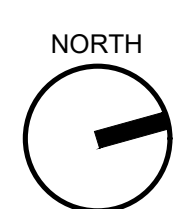
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- NOTES:
- FOR LOCATIONS AND DIMENSIONS OF ALL BEARING WALLS, SHEAR WALLS, COLUMNS AND OTHER STRUCTURAL ELEMENTS REFER TO STRUCTURAL DWGS.
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LEGEND:

SLAB	
MECH SLAB OPENING	
SLAB OPENING	



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05	11/10/2017	ISSUED FOR BID SET
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03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER


JOB NUMBER NB#321193230

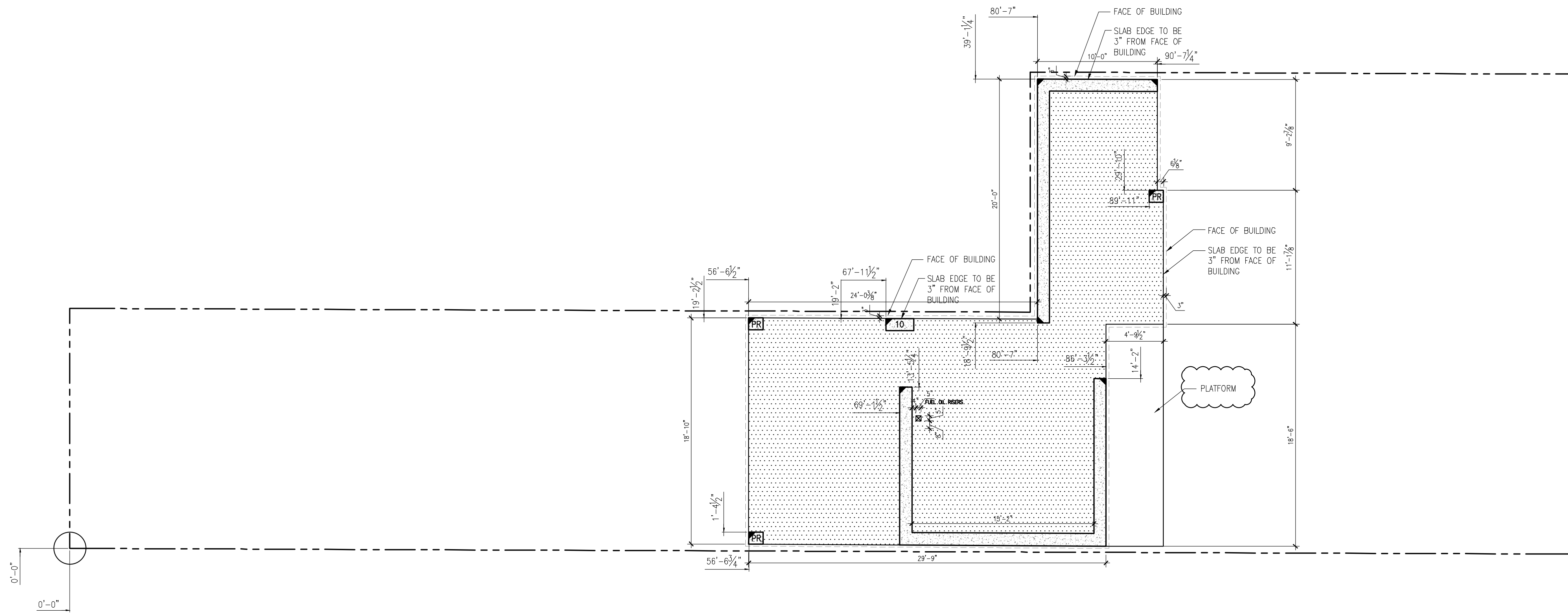
EXAMINER SEAL

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ELEVATOR MACHINE ROOM
 SLAB EDGE

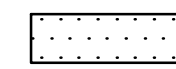
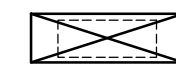
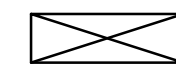
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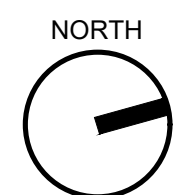


1 ELEVATOR MACHINE ROOM SLAB EDGE
 3/16"=1'-0"

- NOTES:
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LEGEND:

SLAB	
MECH SLAB OPENING	
SLAB OPENING	



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03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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STRUCTURAL ENGINEER

 **GENE KAUFMAN ARCHITECT PC**
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER


JOB NUMBER NB#321193230

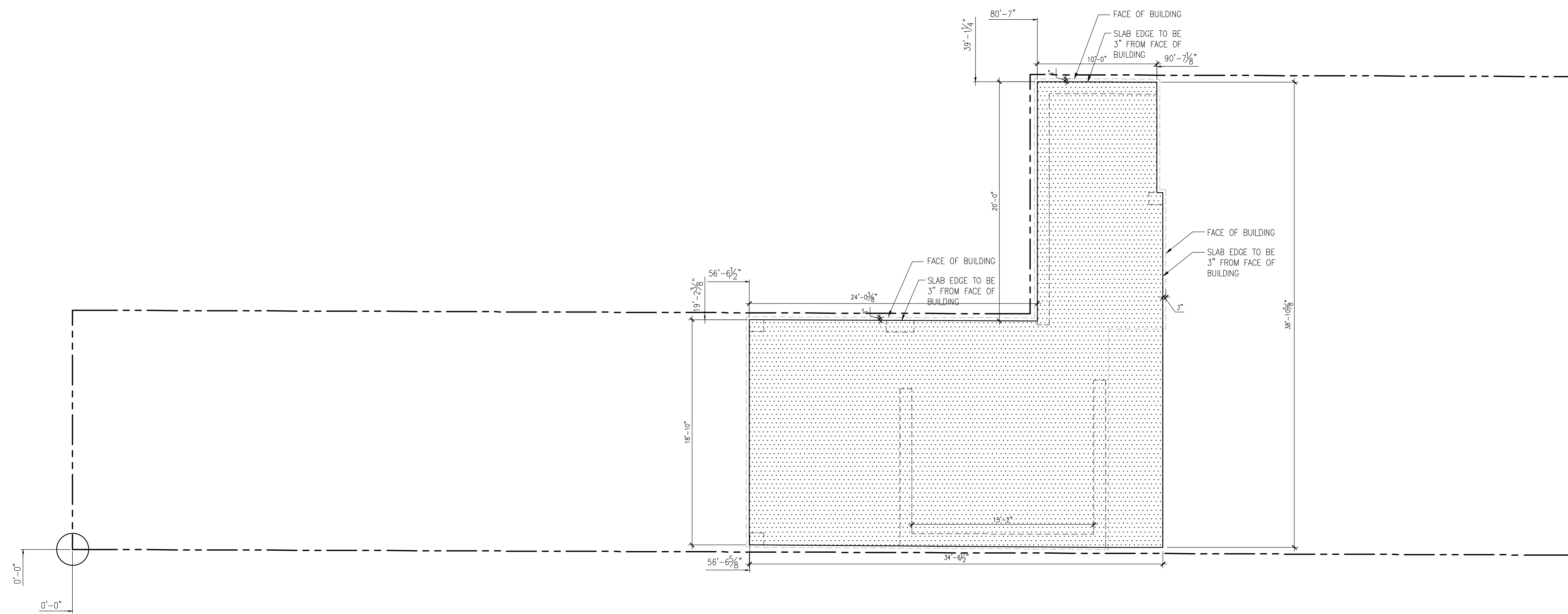
EXAMINER SEAL

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BROOKLYN, NY 11217

SLAB EDGE WATER TANK

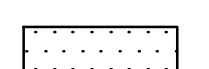
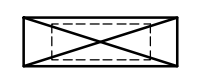
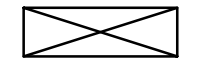
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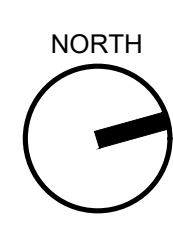


1 SLAB EDGE WATER TANK
3/16" = 1' - 0"

- NOTES:**
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LEGEND:

SLAB	
MECH SLAB OPENING	
SLAB OPENING	



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06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
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06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS



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STRUCTURAL ENGINEER



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79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230


EXAMINER SEAL

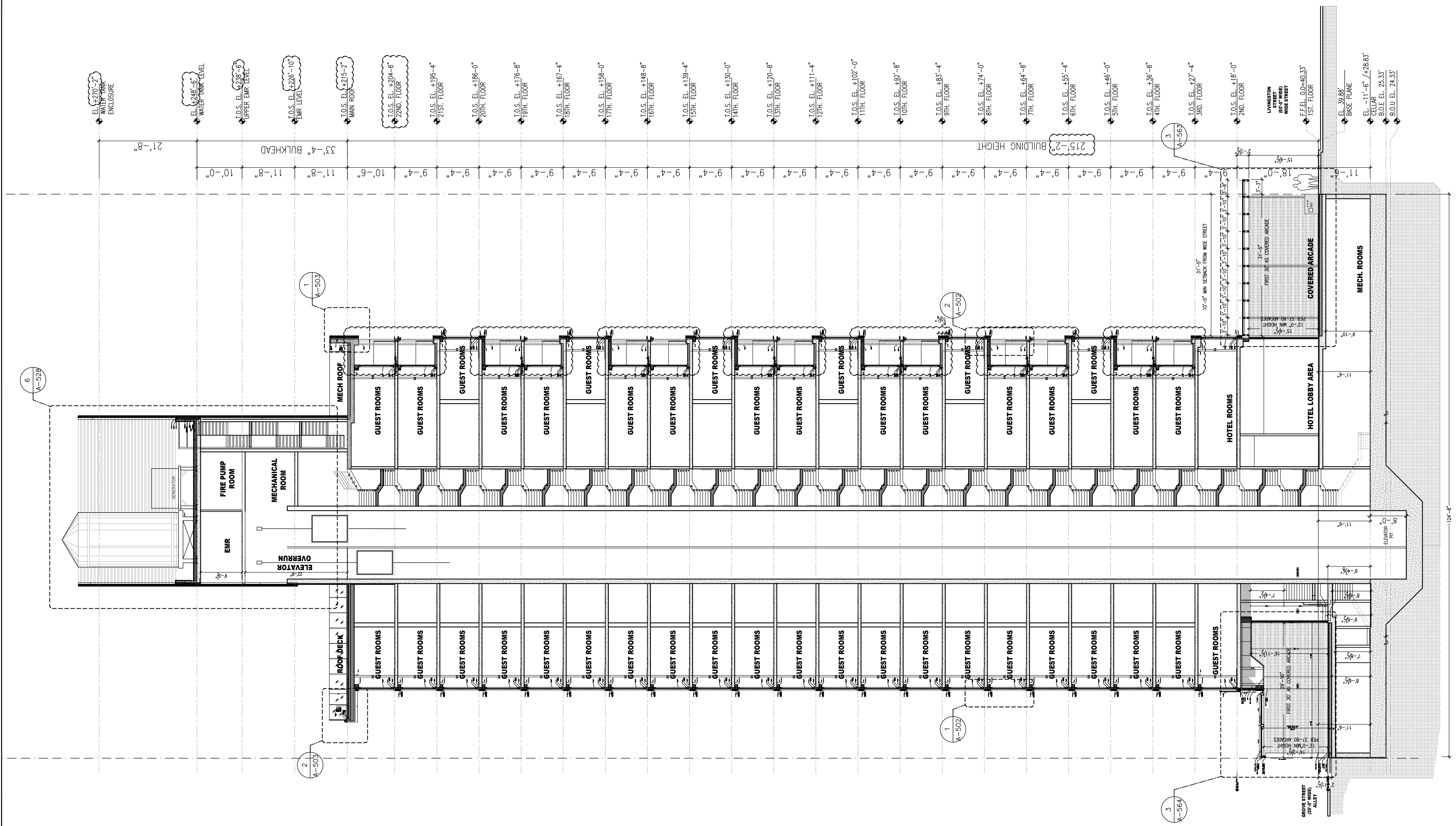


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BUILDING SECTION

SEAL & SIGNATURE:  DATE: 5/11/2017
SCALE: 1/8" = 1'-0"
DRAWING NUMBER: A-301.01
PAGE #



1 SECTION
3/32" = 1'-0"

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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DATE	DESCRIPTION	
01	06/07/2017	ISSUED TO DOB
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03	10/02/2017	ISSUED FOR MODULAR
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11	01/11/2019	PAA ISSUED TO DOB

ISSUED DRAWINGS

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STRUCTURAL ENGINEER

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MEP ENGINEER


JOB NUMBER NB#321193230

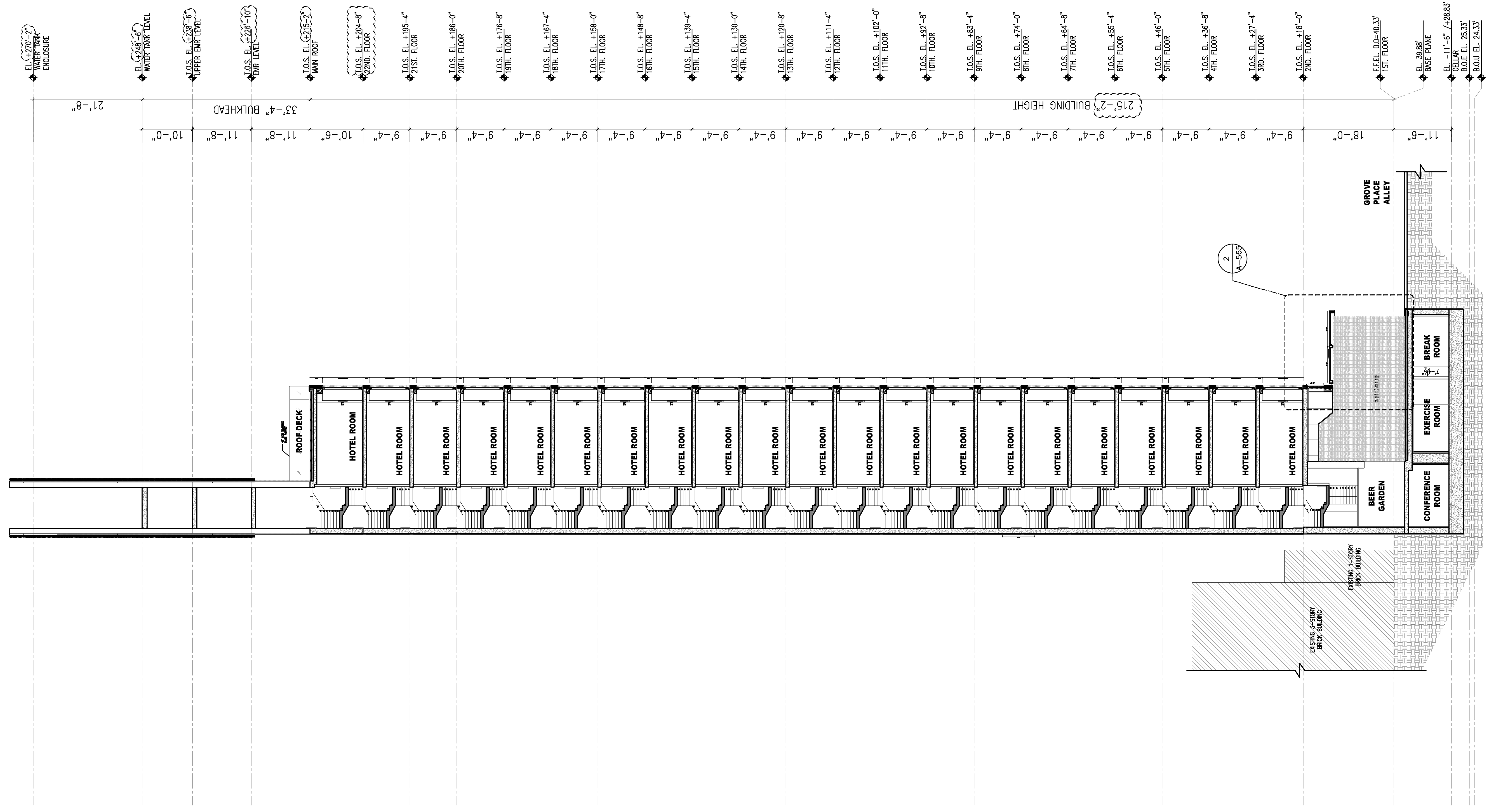
EXAMINER SEAL

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BUILDING SECTION

SEAL & SIGNATURE  DATE: 5/11/2017
SCALE: 1/8" = 1'-0"
DRAWING NUMBER: **A-302.01**
PAGE #



1 SECTION
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01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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GENE KAUFMAN ARCHITECT PC
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MEP ENGINEER


JOB NUMBER NB#321193230

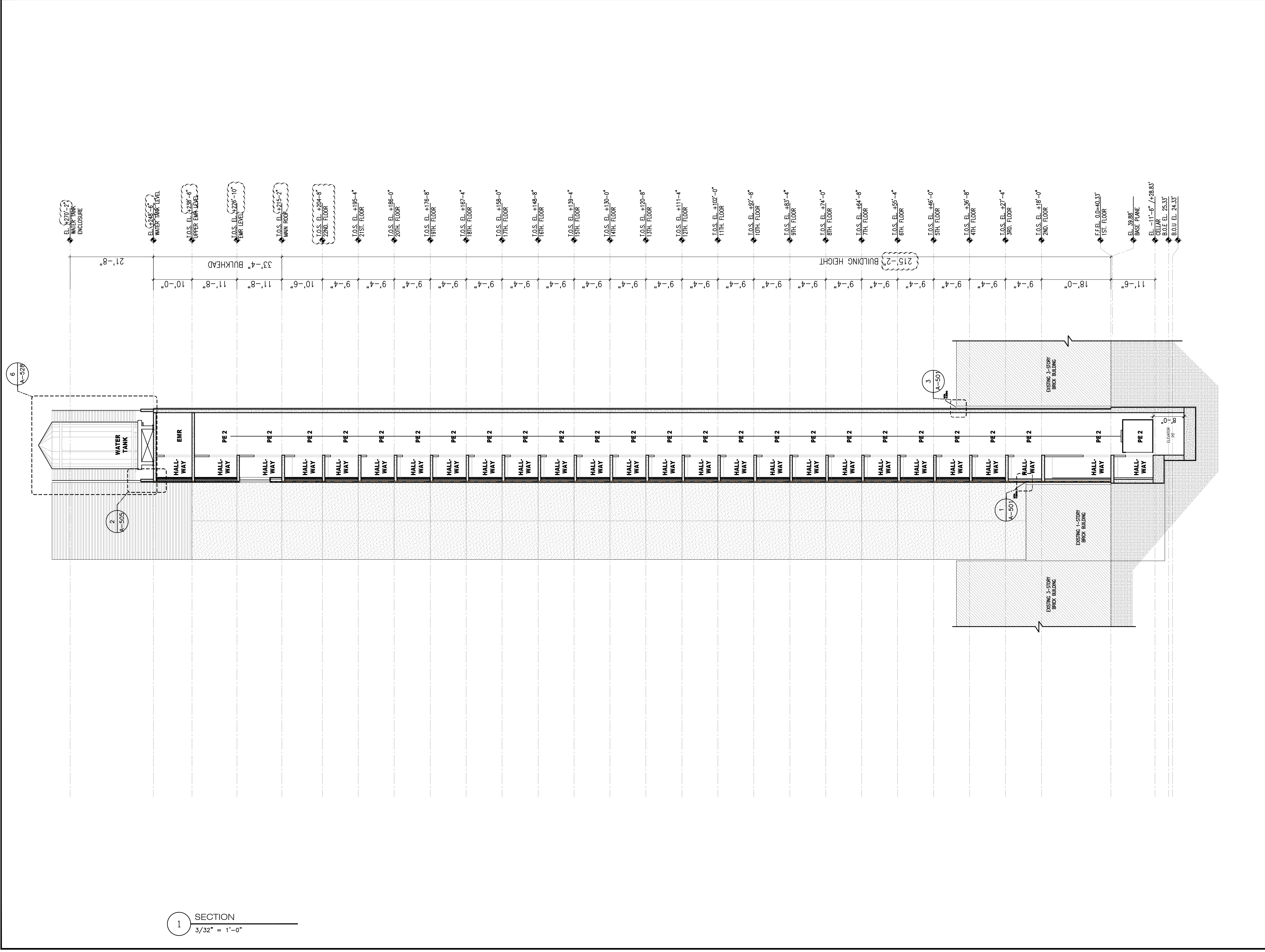
EXAMINER SEAL

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BUILDING SECTION

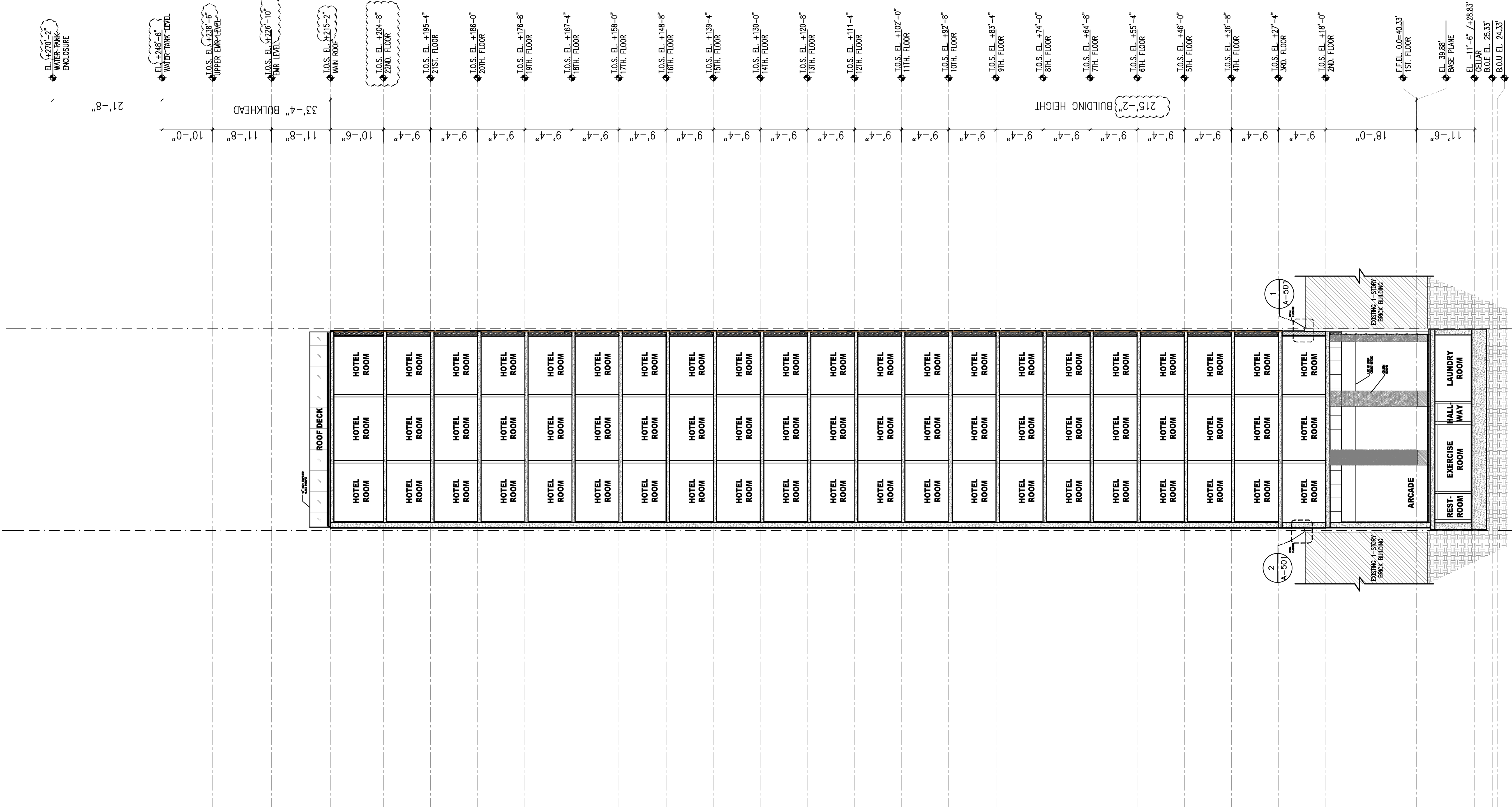
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 DRAWING NUMBER: A-303.01
 PAGE #



1 SECTION
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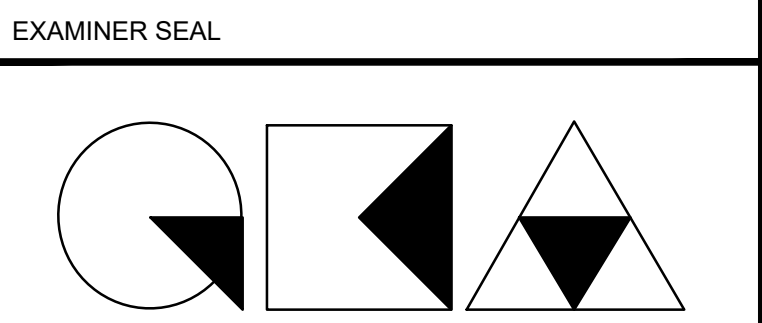
1 SECTION
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10	ISSUED ADDENDUM #1
11	PAA ISSUED TO DOB

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STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

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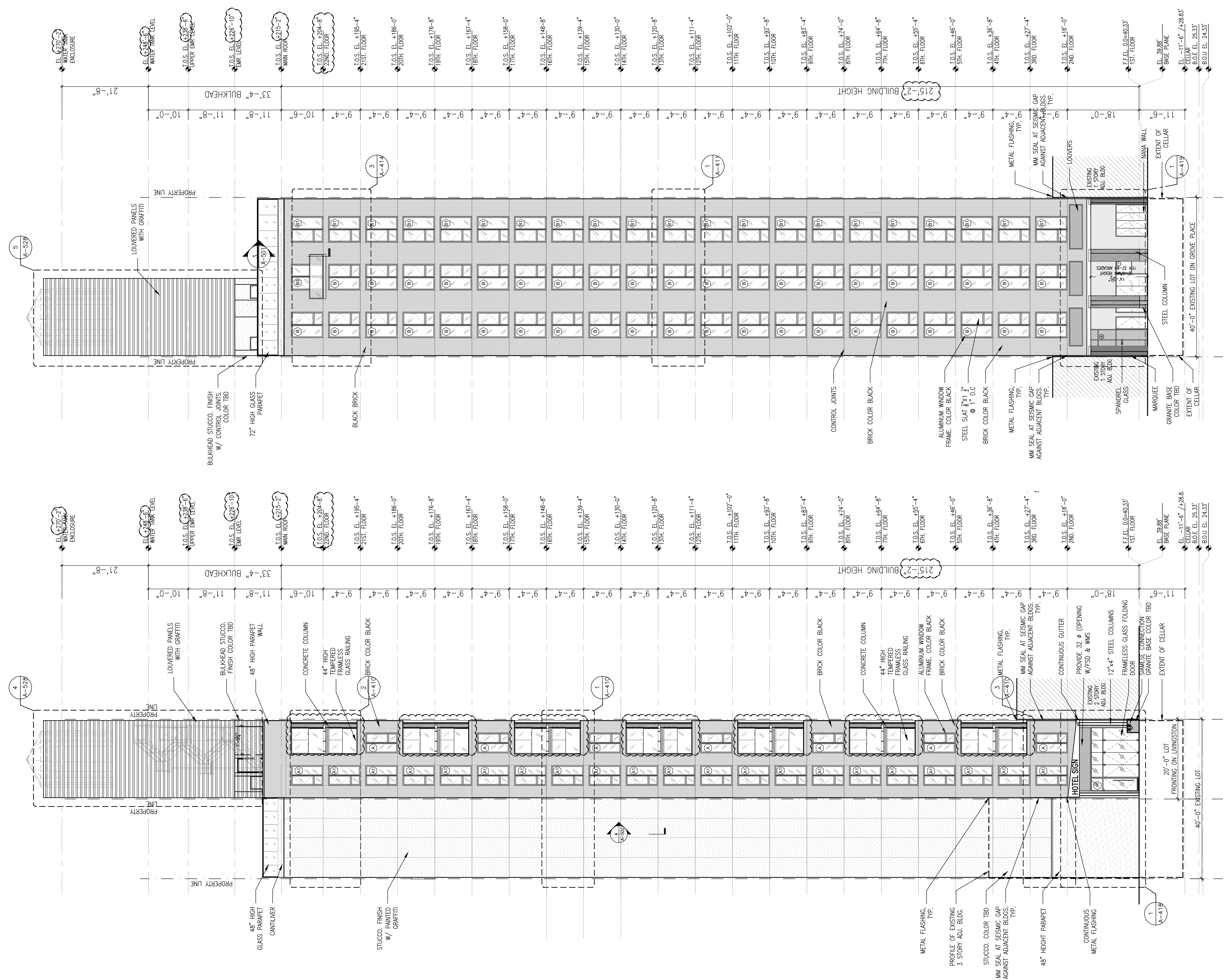


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BUILDING SECTION

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: 1/8" = 1'-0"
	DRAWING NUMBER:
	A-304.01
	PAGE #



1 FRONT ELEVATION - LIVINGSTON ST. Scale: 3/32" = 1'-0"

2 REAR ELEVATION - GROVE PLACE Scale: 3/32" = 1'-0"

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ISSUED DRAWINGS	DATE	DESCRIPTION
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STRUCTURAL ENGINEER

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 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

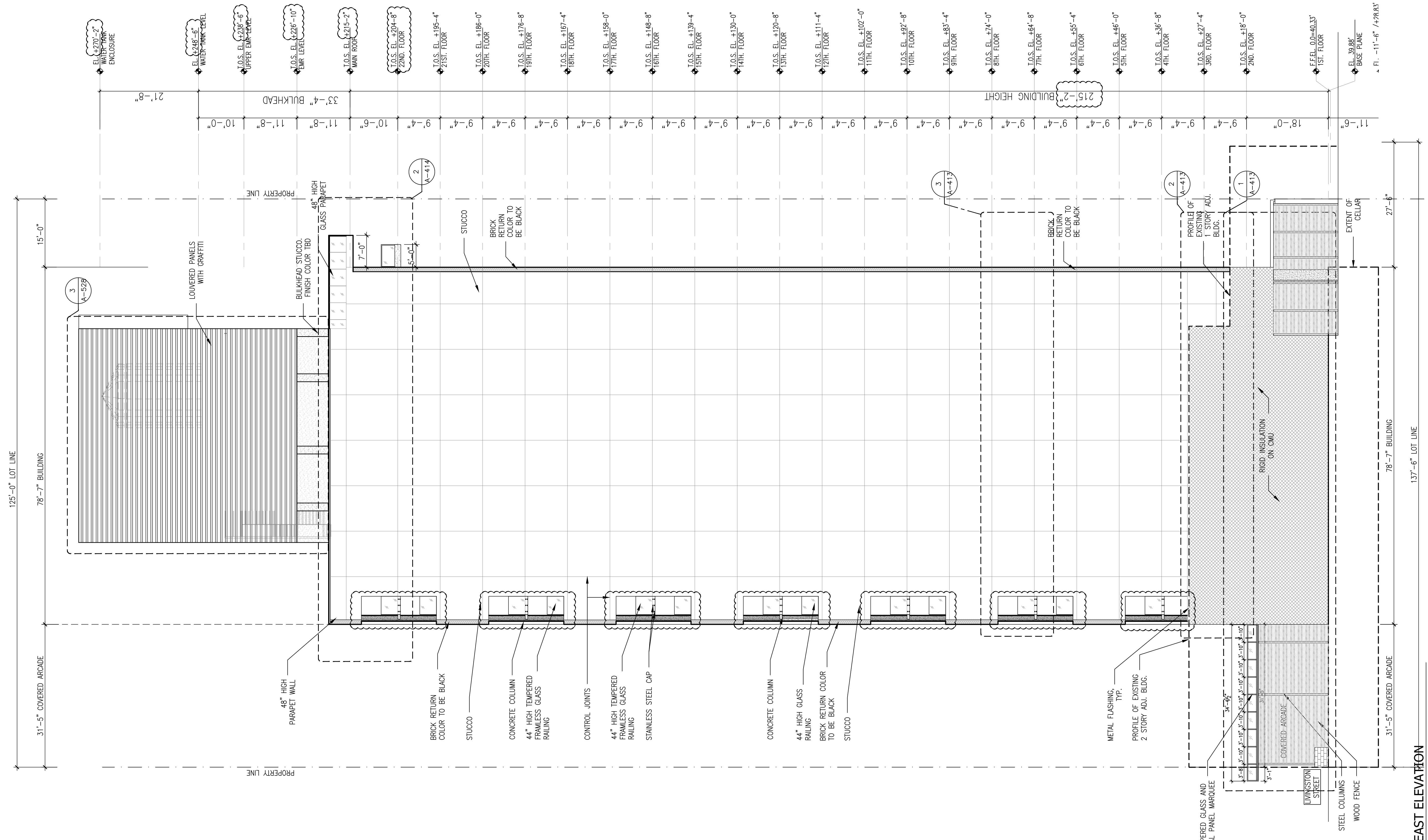
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291 LIVINGSTON STREET
 BROOKLYN, NY 11217

LIVINGSTON ST & GROVE ST
 BUILDING ELEVATIONS

SEAL & SIGNATURE: [Signature]

DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER: A-401.01
 PAGE #



1 EAST ELEVATION
Scale: 3/32" = 1'-0"

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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11	PAA ISSUED TO DOB

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10	ISSUED ADDENDUM #1
11	PAA ISSUED TO DOB

ISSUED DRAWINGS



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

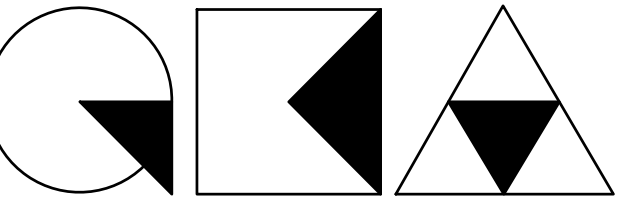


79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL




GENE KAUFMAN ARCHITECT PC

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291 LIVINGSTON STREET
BROOKLYN, NY 11217

EAST BUILDING ELEVATIONS

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-402.01
	PAGE #

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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DATE	DESCRIPTION
01/11/2019	PAA ISSUED TO DOB
10/19/2018	ISSUED ADDENDUM #1
08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL




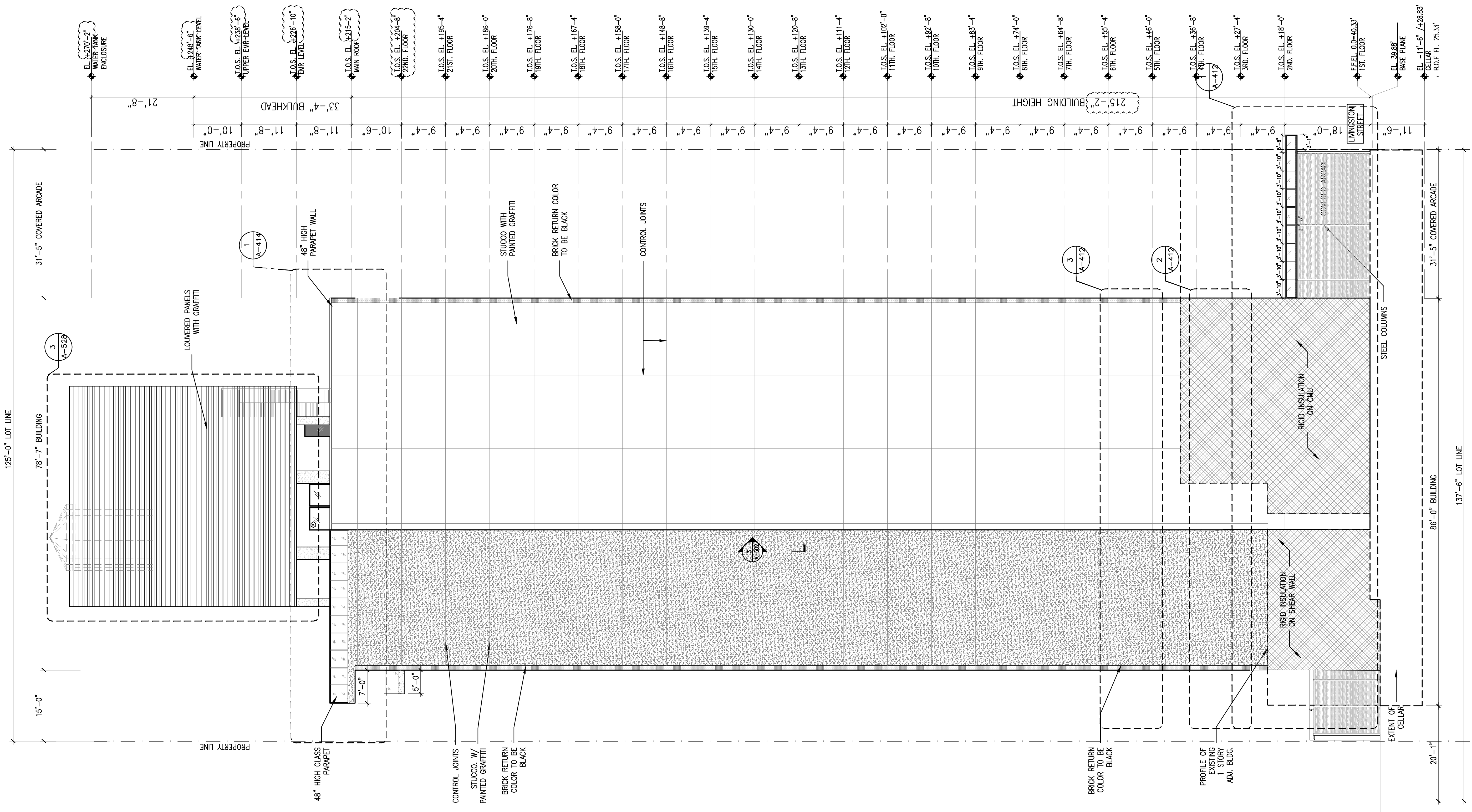
GENE KAUFMAN ARCHITECT PC

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T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

WEST BUILDING ELEVATIONS

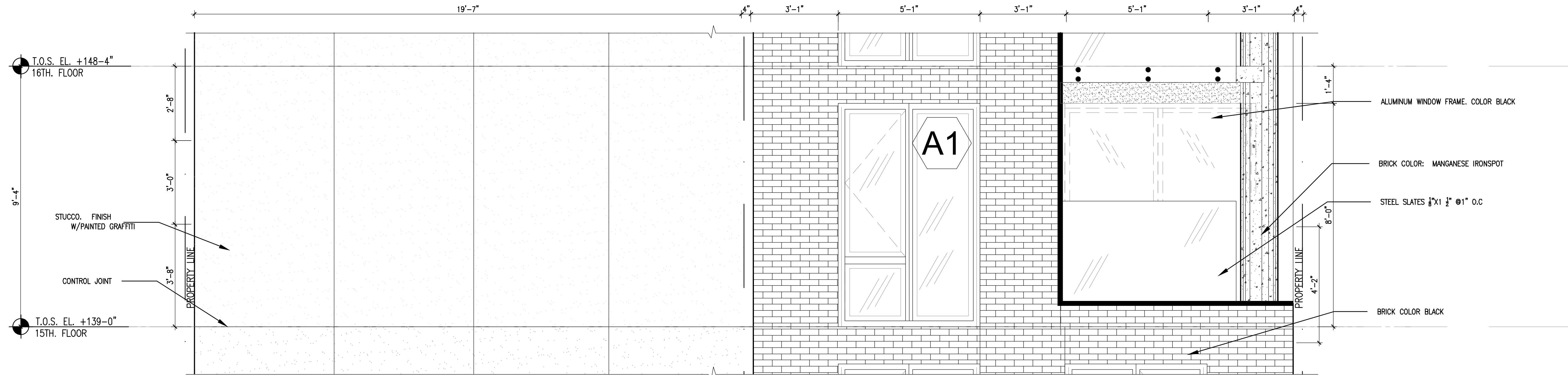
SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
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1 WEST ELEVATION
Scale: 3/32" = 1'-0"

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

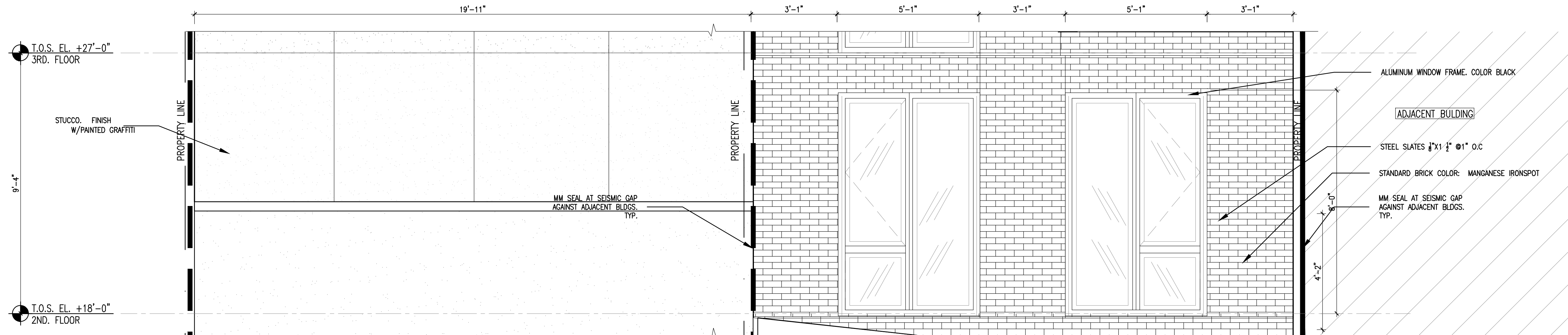
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1 FRONT ELEVATION - LIVINGSTON ST. TYP. FLOOR
Scale: 1/2" = 1'-0"



2 FRONT ELEVATION - LIVINGSTON ST. 21ST FLOOR
Scale: 1/2" = 1'-0"



3 FRONT ELEVATION - LIVINGSTON ST. 2ND FLOOR
Scale: 1/2" = 1'-0"

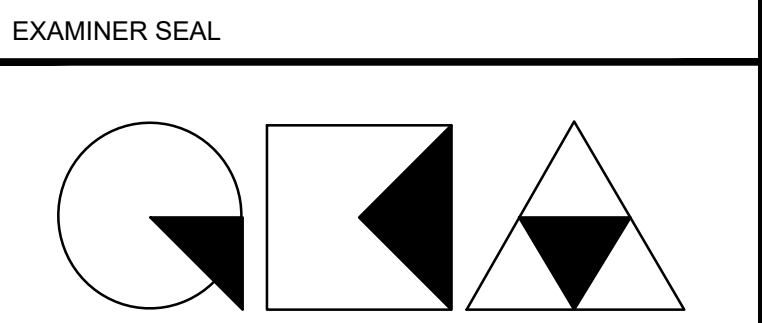
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08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
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03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
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ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

JOB NUMBER NB#321193230



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T 212 625 8700 www.gkarc.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

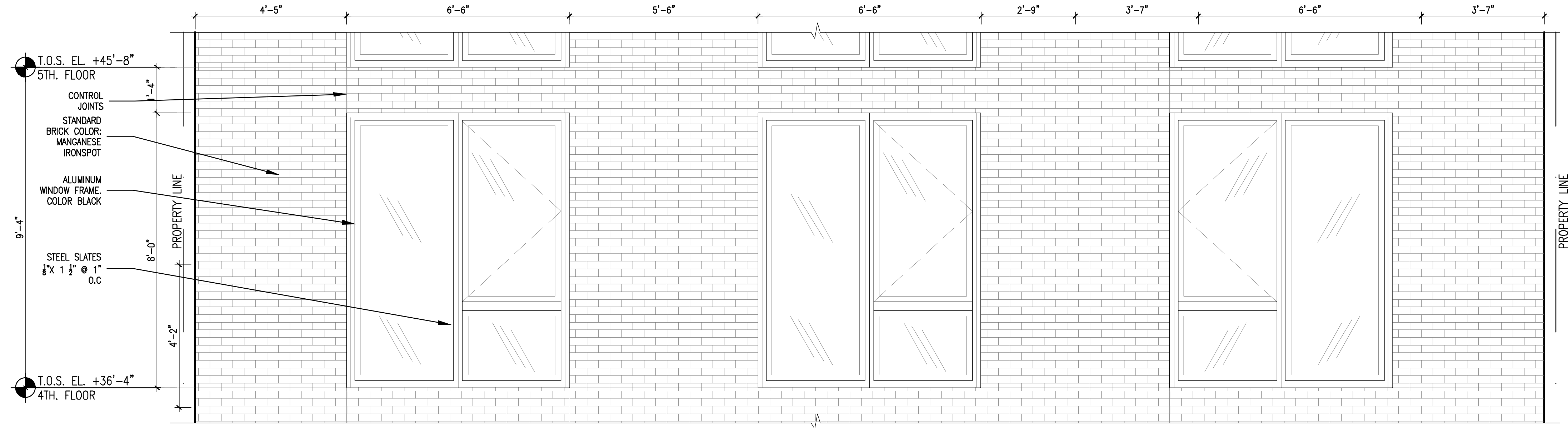
LIVINGSTON ST
ENLARGED ELEVATION

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-410.00
	PAGE #

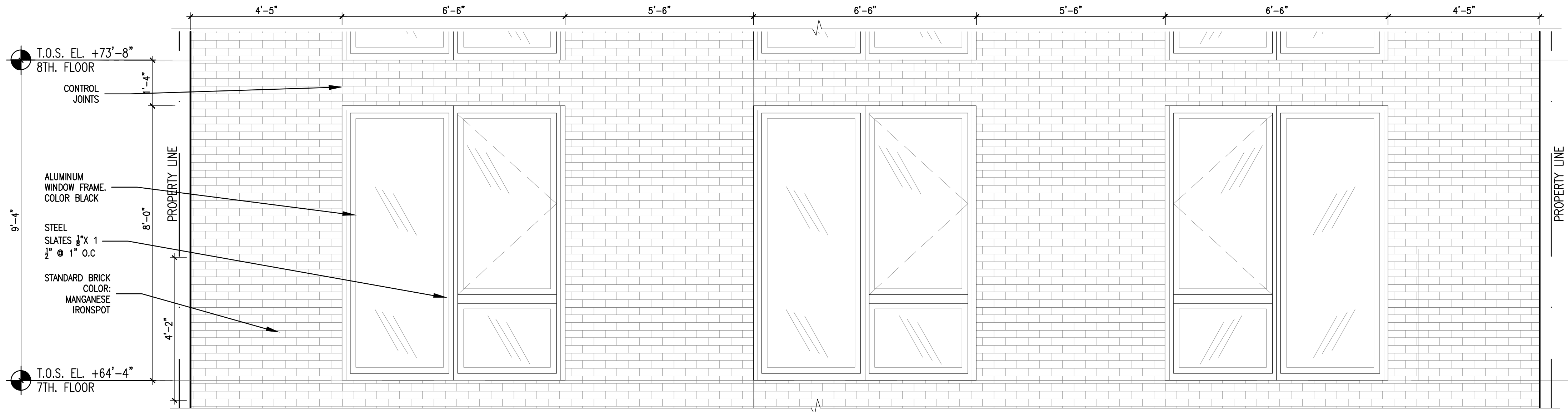


THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

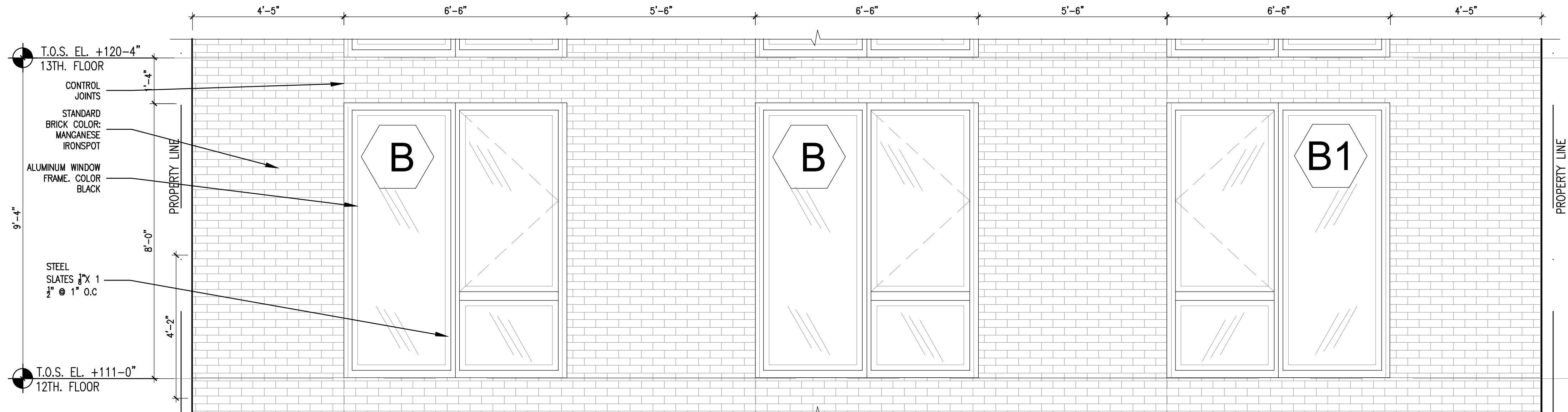
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1 ENLARGED REAR ELEVATION - GROVE PLACE 2ND-6TH FLOOR
Scale: 1/2" = 1'-0"



2 ENLARGED REAR ELEVATION - GROVE PLACE 7TH FLOOR
Scale: 1/2" = 1'-0"



3 ENLARGED REAR ELEVATION - GROVE PLACE 8TH-21ST FLOOR
Scale: 1/2" = 1'-0"

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02	08/03/2017	ISSUED TO DOB
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ISSUED DRAWINGS



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL




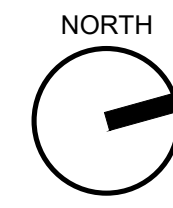
GENE KAUFMAN ARCHITECT PC

79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

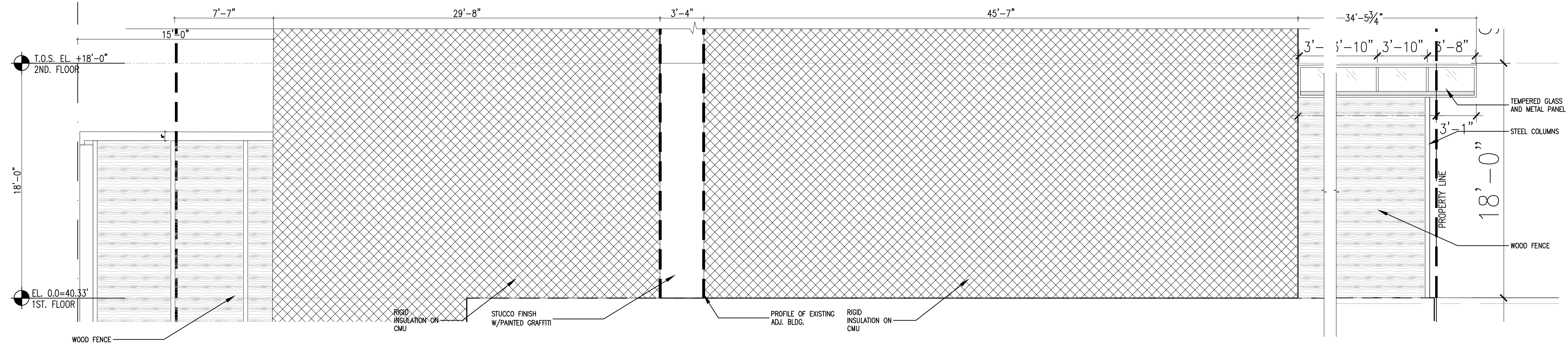
GROVE ST
ENLARGED BUILDING ELEVATIONS

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-411.00
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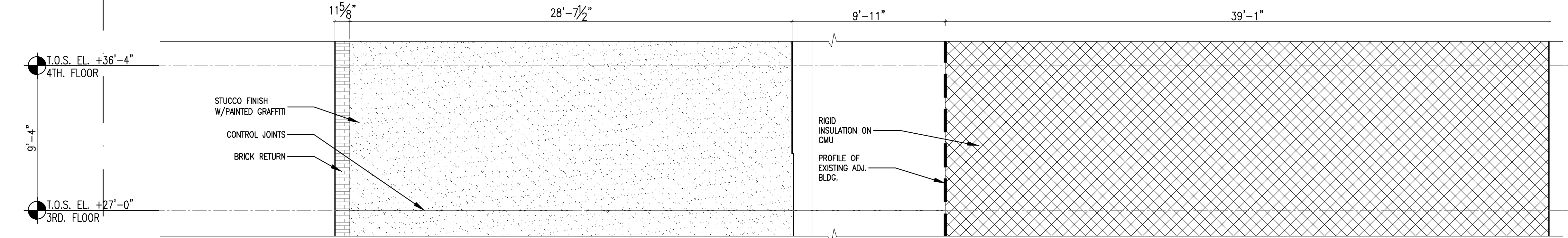


THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

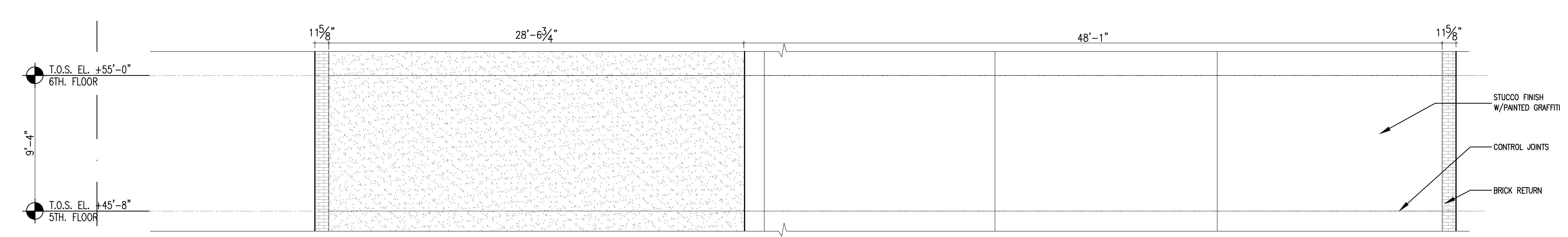
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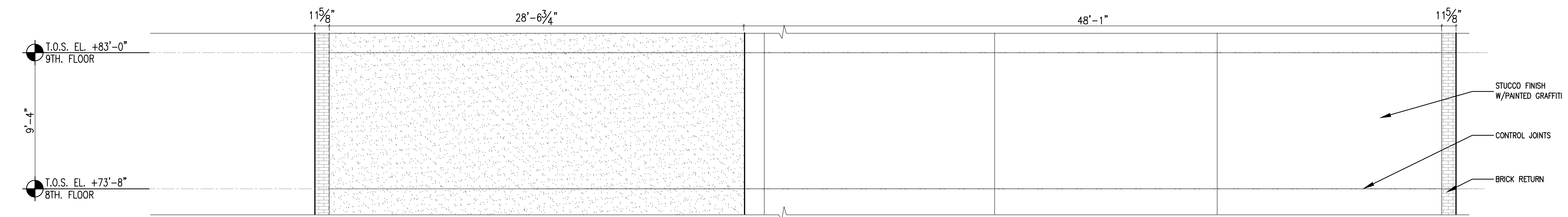
1 PARTIAL WEST ELEVATION -1ST FLOOR
Scale: 1/4" = 1'-0"



2 PARTIAL WEST ELEVATION -3RD FLOOR
Scale: 1/4" = 1'-0"



3 PARTIAL WEST ELEVATION -4TH-6TH FLOOR
Scale: 1/4" = 1'-0"



4 PARTIAL WEST ELEVATION -8TH-21ST FLOOR
Scale: 1/4" = 1'-0"

DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
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10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC

79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkarc.com

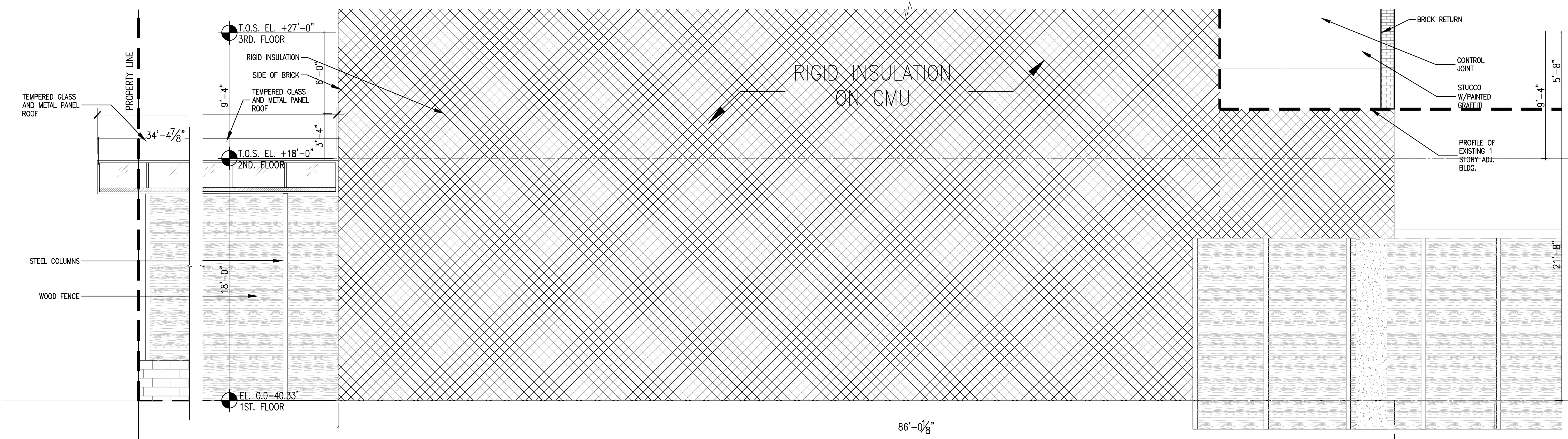
291 LIVINGSTON STREET
BROOKLYN, NY 11217

ENLARGED WEST BUILDING ELEVATION

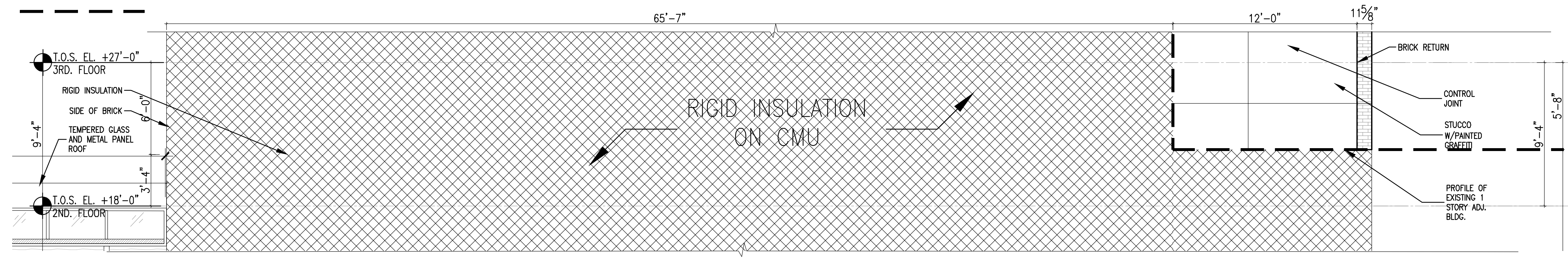
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THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

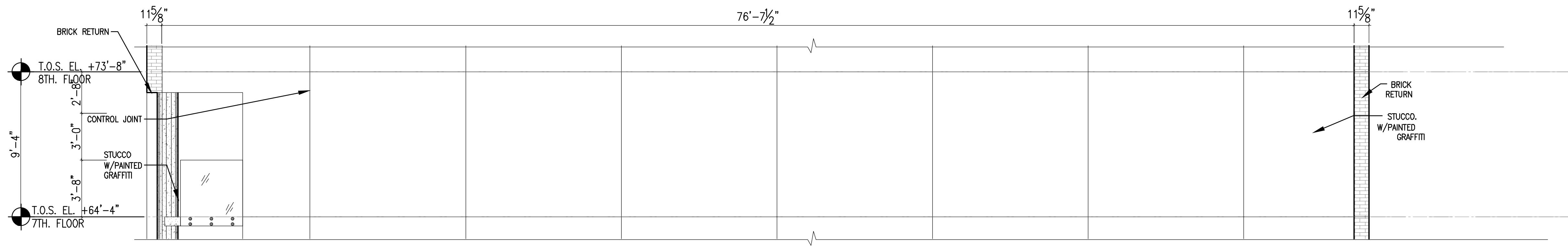
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1 PARTIAL EAST ELEVATION - LIVINGSTON ST. 1ST FLOOR
Scale: 1/4" = 1'-0"



2 PARTIAL EAST ELEVATION - LIVINGSTON ST. 2ND FLOOR
Scale: 1/4" = 1'-0"



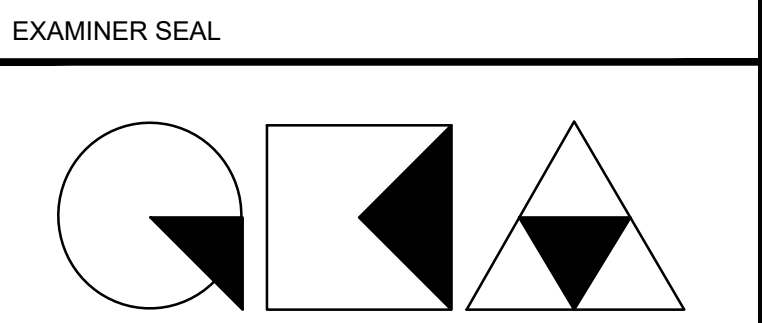
3 PARTIAL EAST ELEVATION - LIVINGSTON ST. 7TH FLOOR
Scale: 1/4" = 1'-0"

ISSUED DRAWINGS	
DATE	DESCRIPTION
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08/28/2018	ISSUED TO DOB
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GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

JOB NUMBER NB#321193230



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BROOKLYN, NY 11217

ENLARGED EAST BUILDING ELEVATIONS

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-413.00
	PAGE #

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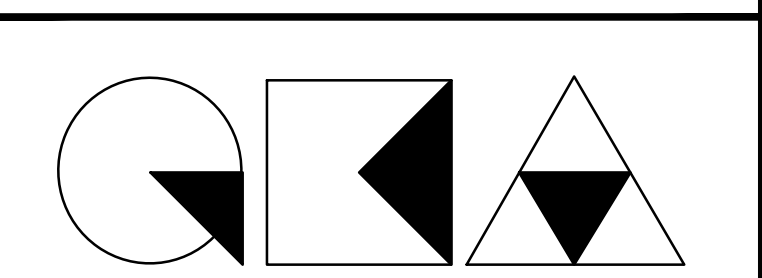
ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

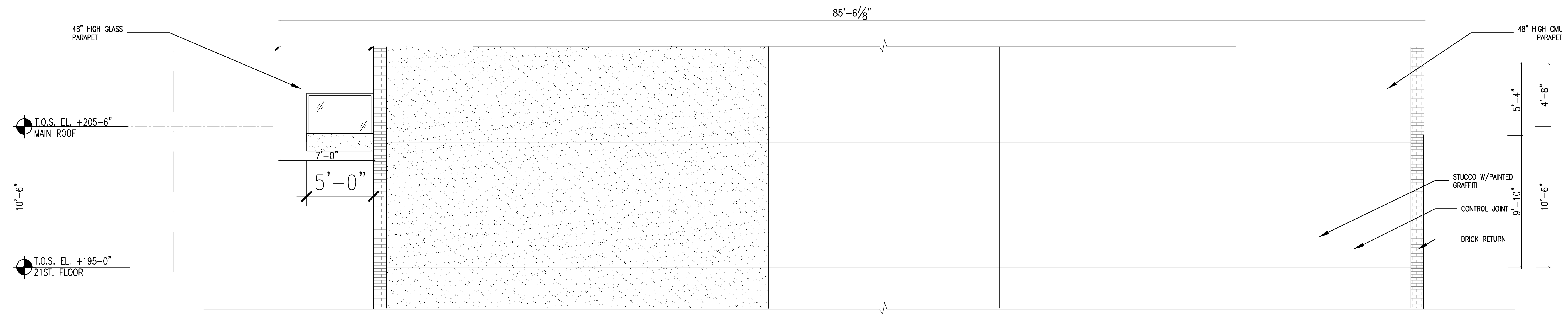


GENE KAUFMAN ARCHITECT PC
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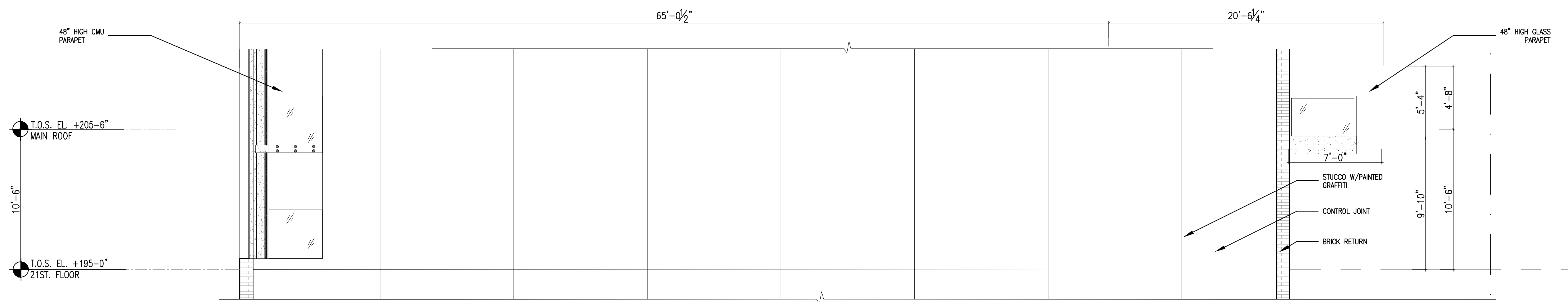
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

ENLARGED PARTIAL ELEVATIONS

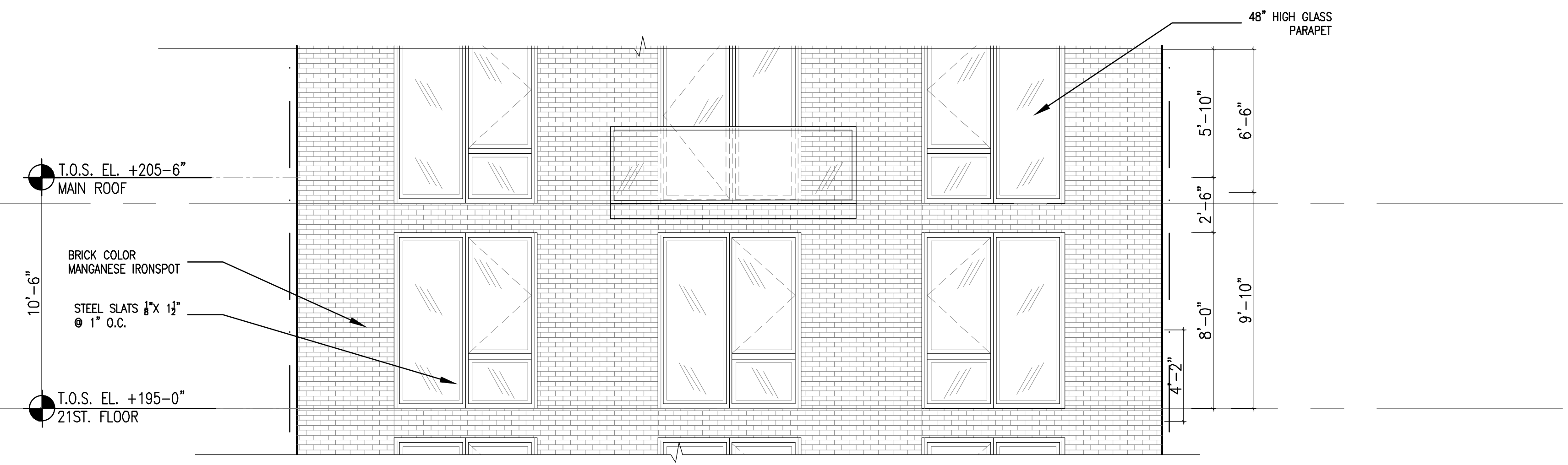
SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-414.00
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1 PARTIAL WEST ELEVATION - 21ST FLOOR
 Scale: 1/4" = 1'-0"



2 PARTIAL EAST ELEVATION - 21ST FLOOR
 Scale: 1/4" = 1'-0"



3 PARTIAL ELEVATION - GROVE ST. 21ST FLOOR
 Scale: 1/4" = 1'-0"

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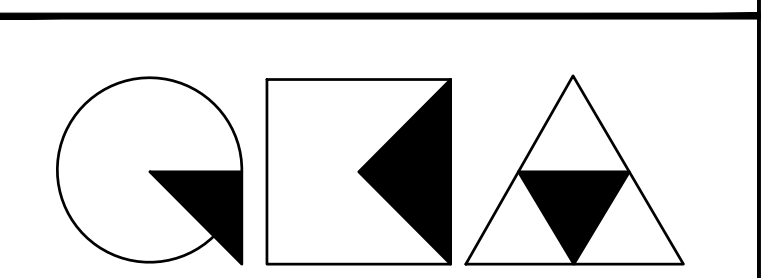
ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

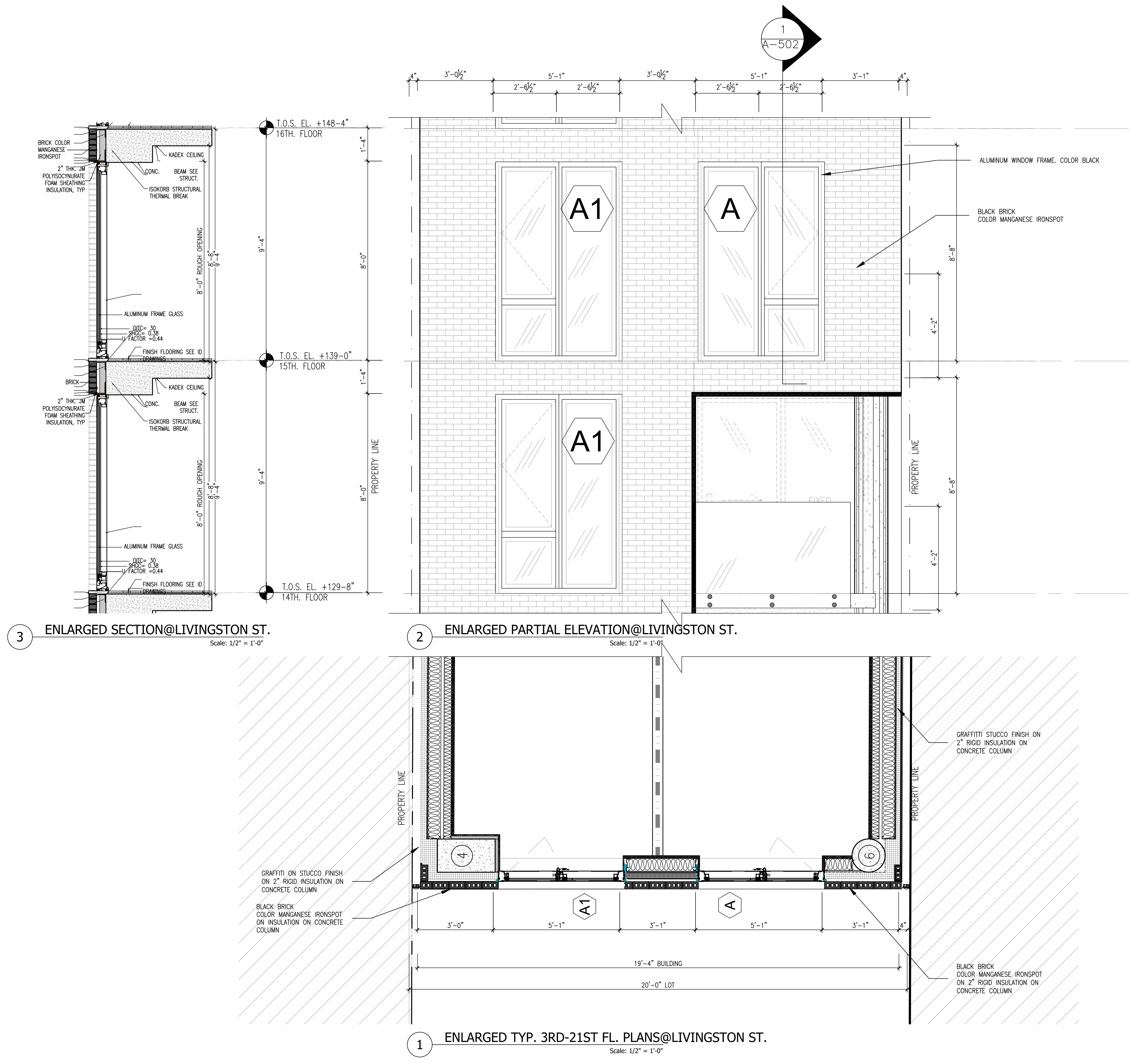


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 BROOKLYN, NY 11217

LIVINGSTON ST & GROVE ST
 ENLARGED ELEVATION AND PLAN

SEAL & SIGNATURE: DATE: 5/11/2017
 SCALE: 3/32" = 1'-0"
 DRAWING NUMBER: A-416.00
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3 ENLARGED SECTION@LIVINGSTON ST.
 Scale: 1/2" = 1'-0"

2 ENLARGED PARTIAL ELEVATION@LIVINGSTON ST.
 Scale: 1/2" = 1'-0"

1 ENLARGED TYP. 3RD-21ST FL. PLANS@LIVINGSTON ST.
 Scale: 1/2" = 1'-0"

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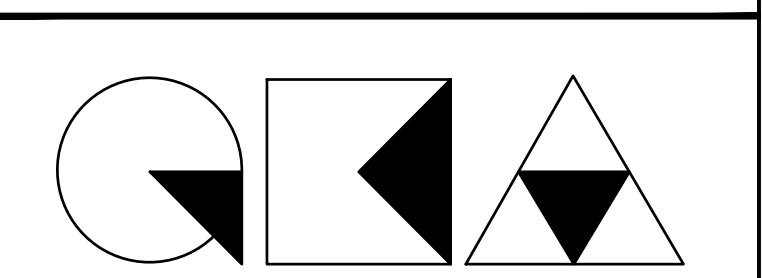
ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

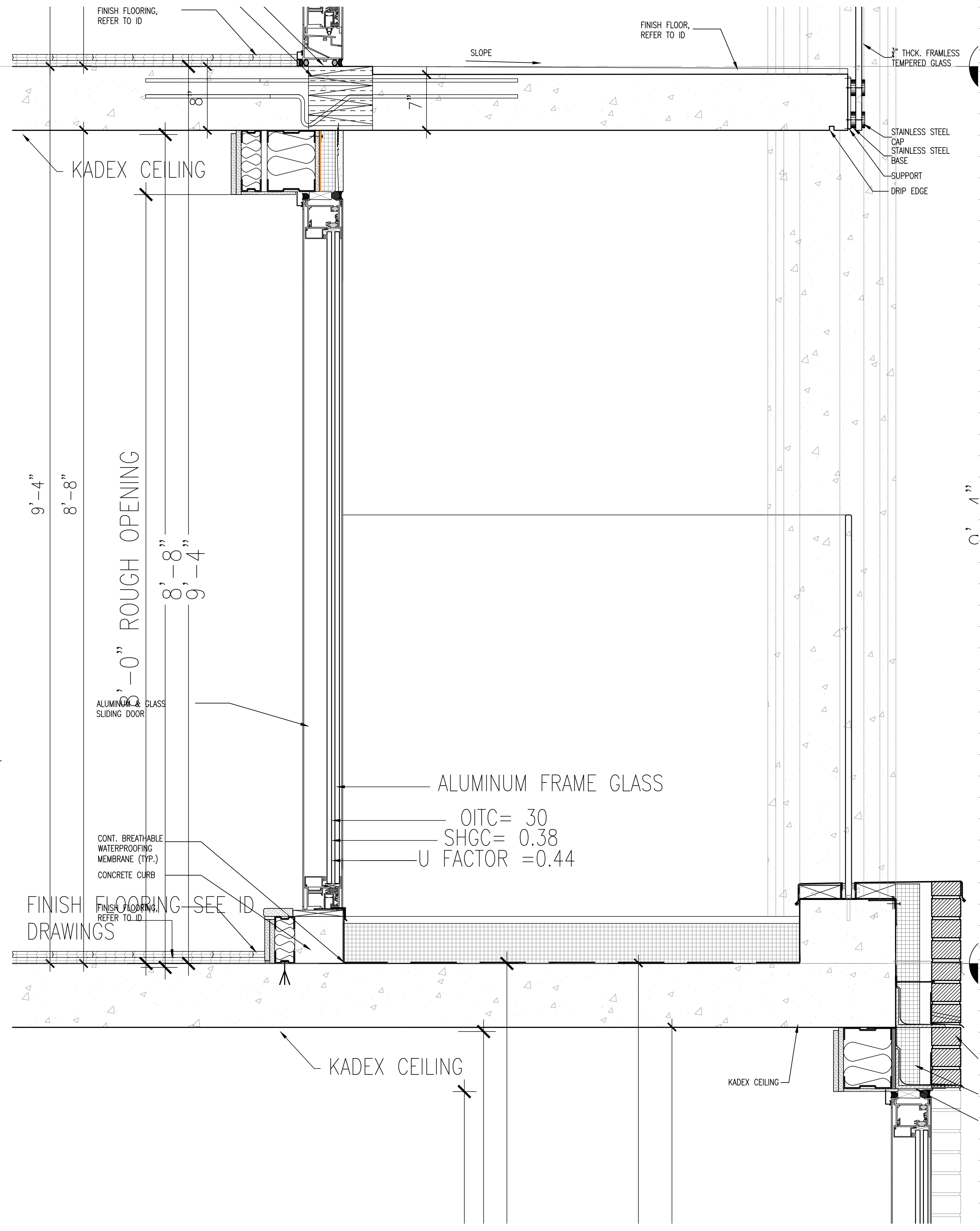


GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
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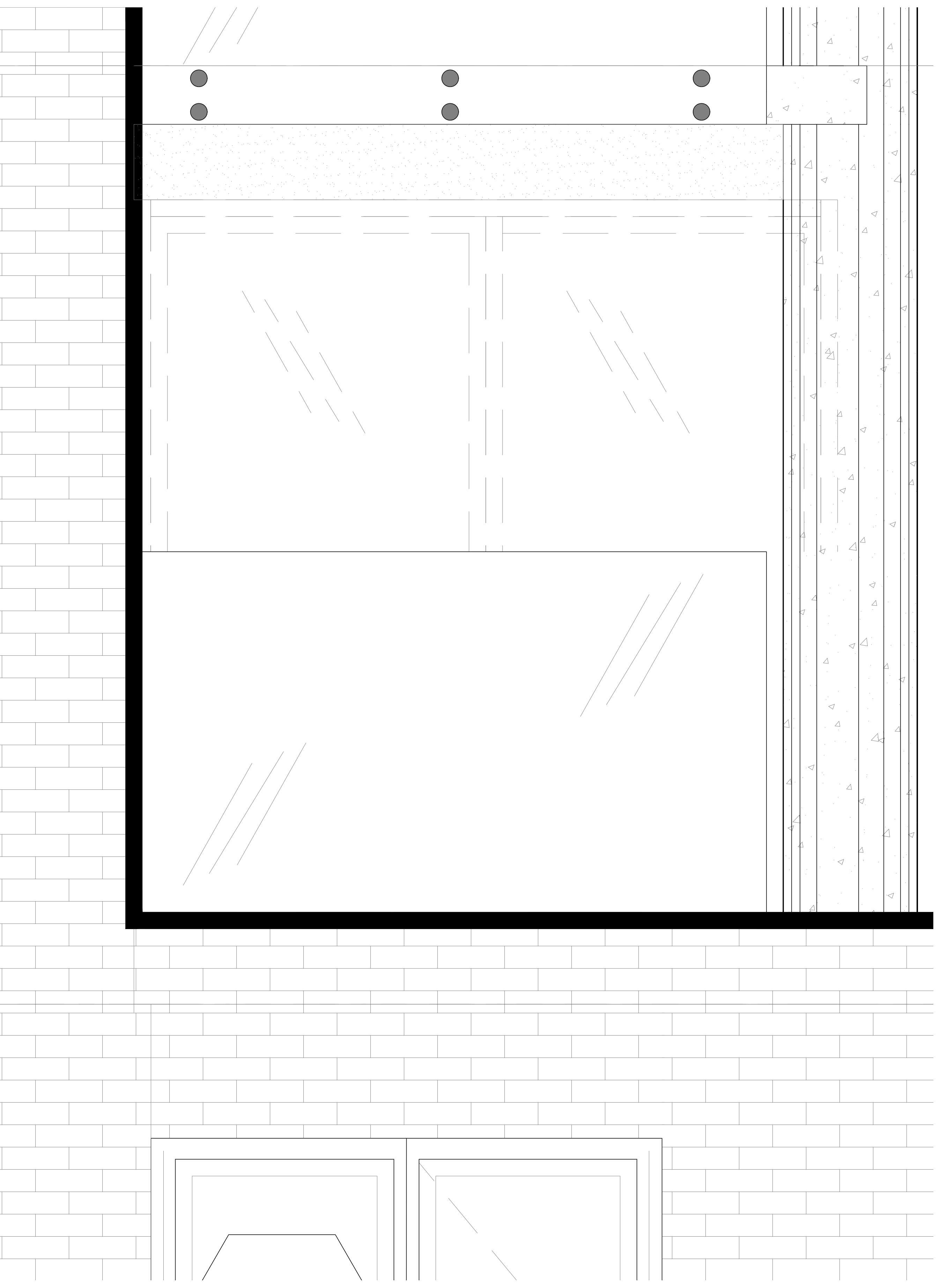
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

LIVINGSTON ST & GROVE ST
 ENLARGED ELEVATION AND PLAN

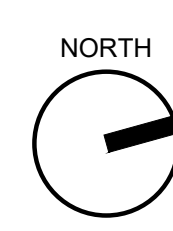
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3 ENLARGED SECTION@LIVINGSTON ST.
 Scale: 1-1/2" = 1'-0"

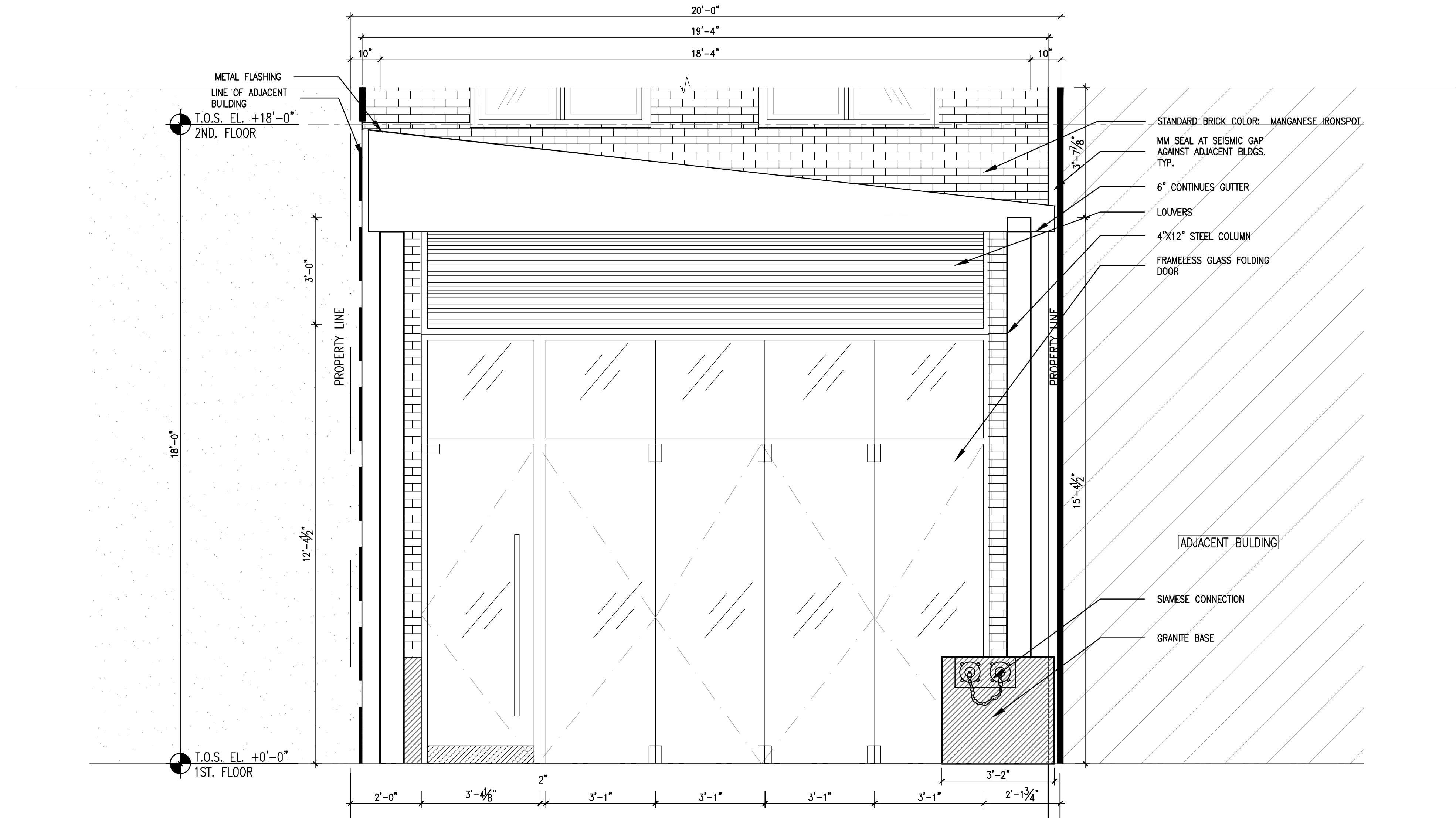


2 ENLARGED PARTIAL ELEVATION@LIVINGSTON ST.
 Scale: 1-1/2" = 1'-0"

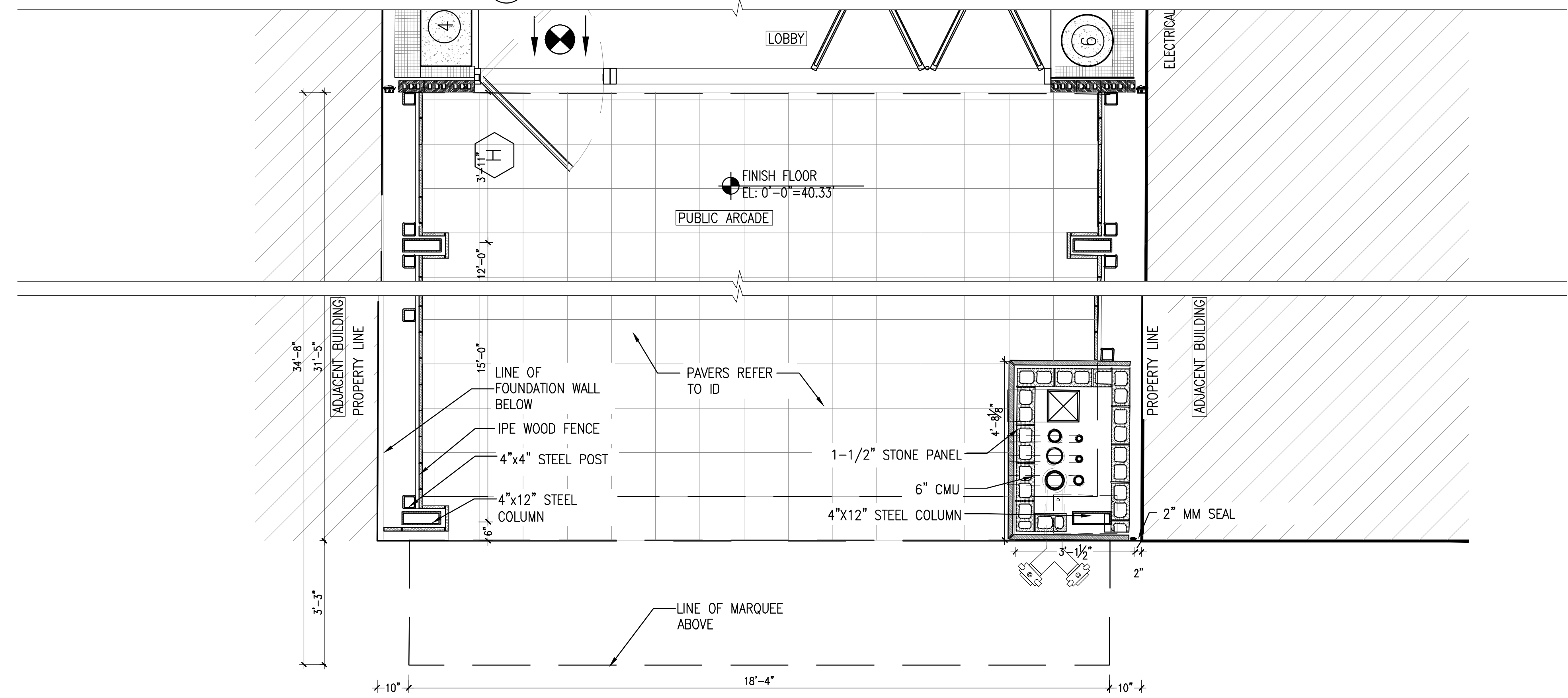


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1 STOREFRONT ELEVATION - LIVINGSTON ST
Scale: 1/2" = 1'-0"



2 STOREFRONT PLAN - LIVINGSTON ST
Scale: 1/2" = 1'-0"

DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

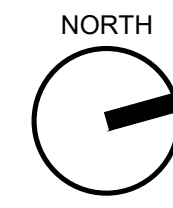
GENE KAUFMAN ARCHITECT PC

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T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

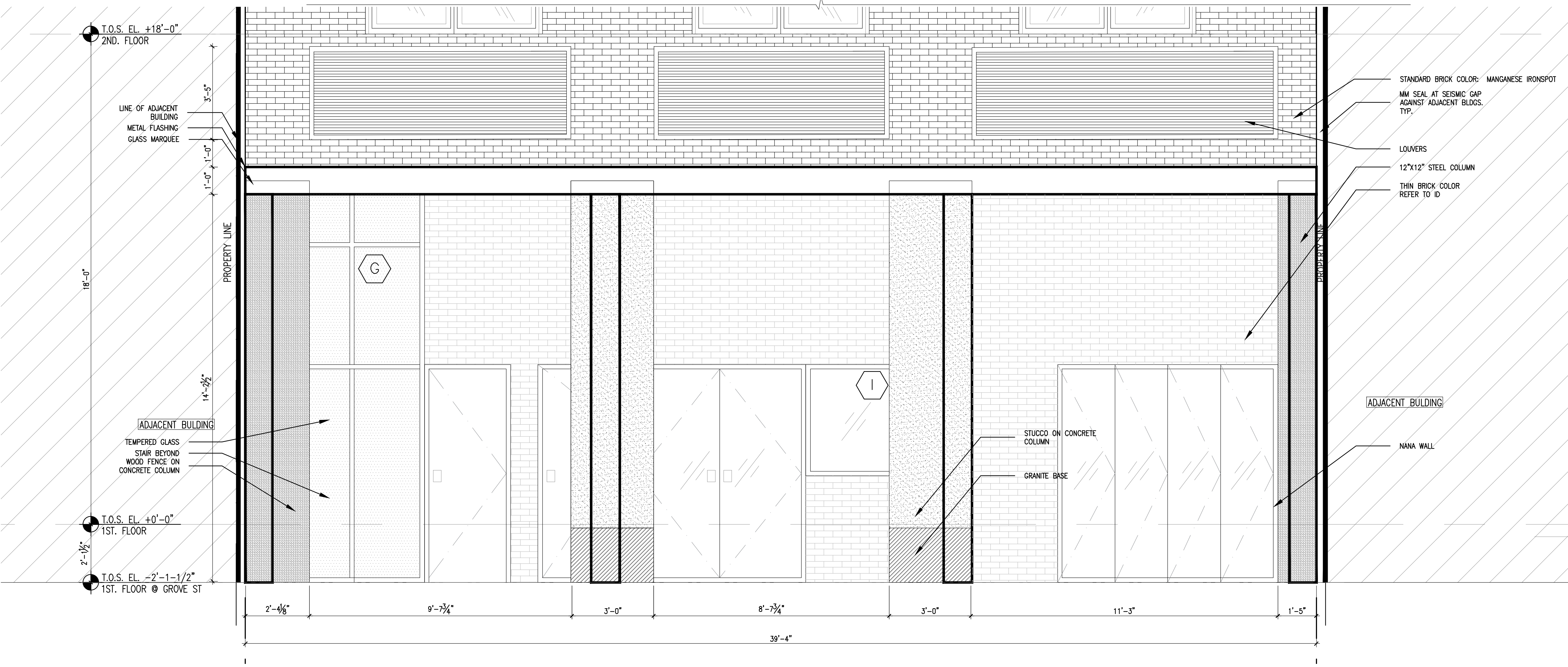
LIVINGSTON ST
ENLARGED STOREFRONT ELEVATION

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	SCALE: AS NOTED
	DRAWING NUMBER: A-418.00
	PAGE #

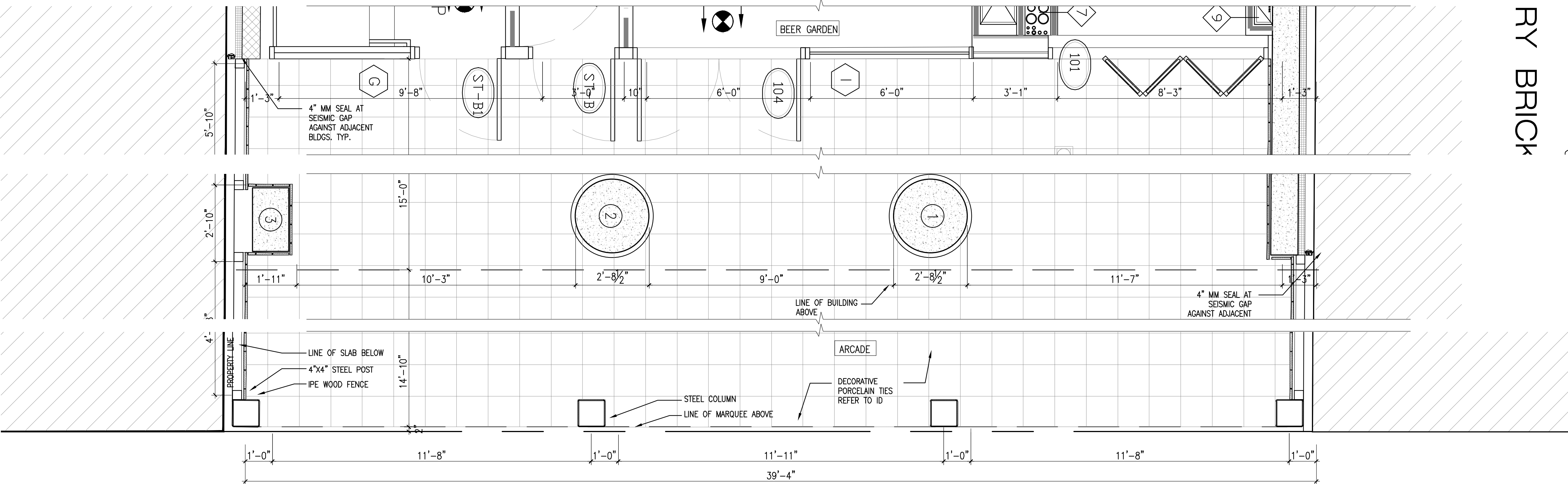


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1 STOREFRONT ELEVATION - GROVE ST
Scale: 1/2" = 1'-0"



2 STOREFRONT PLAN - GROVE ST
Scale: 1/2" = 1'-0"

RY BRICK

ISSUED DRAWINGS	
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GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER
JOB NUMBER NB#321193230

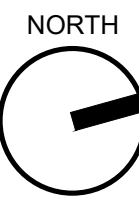
EXAMINER SEAL

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GROVE ST
ENLARGED STOREFRONT ELEVATION

SEAL & SIGNATURE 	DATE: 5/11/2017
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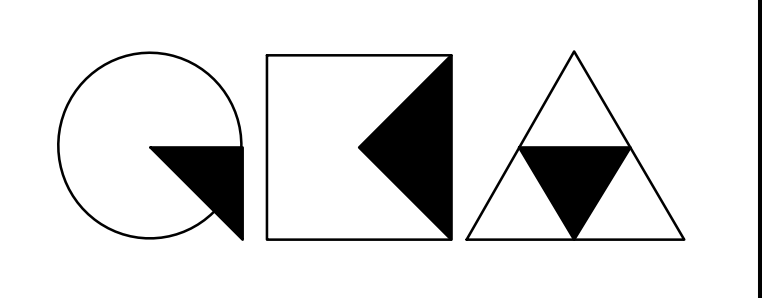
ISSUED DRAWINGS

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GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

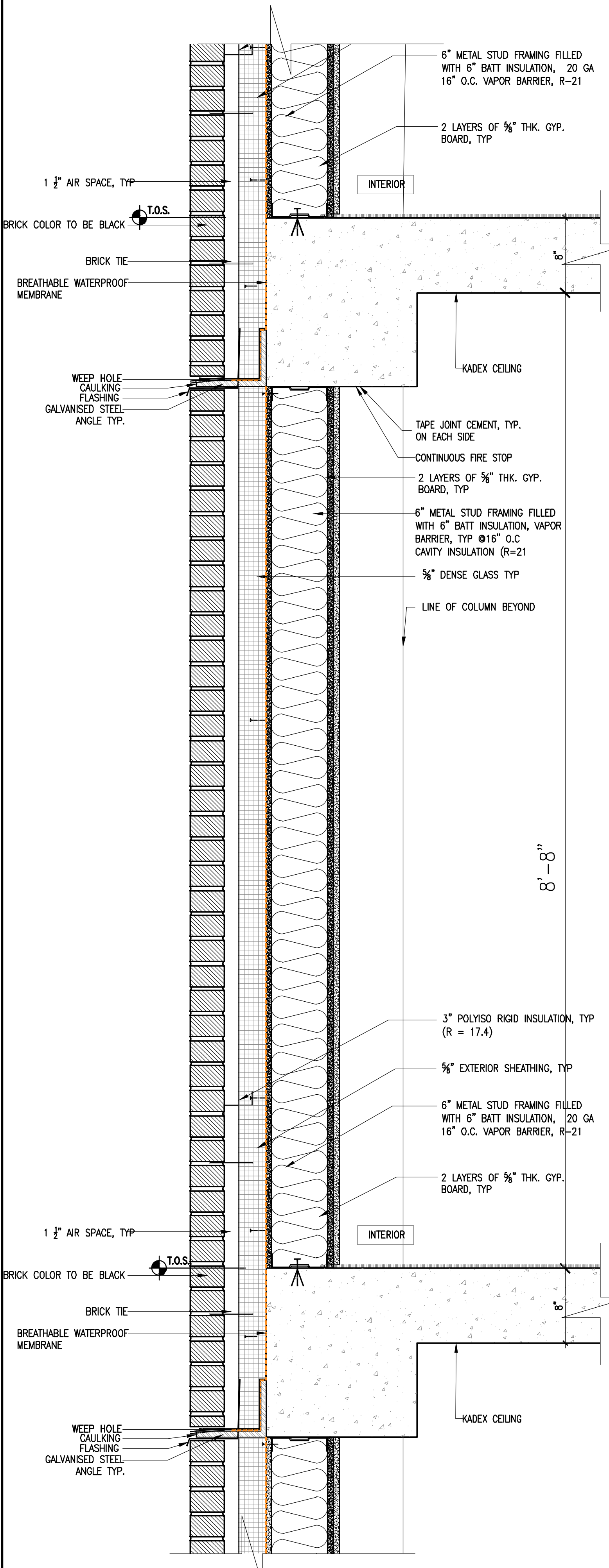


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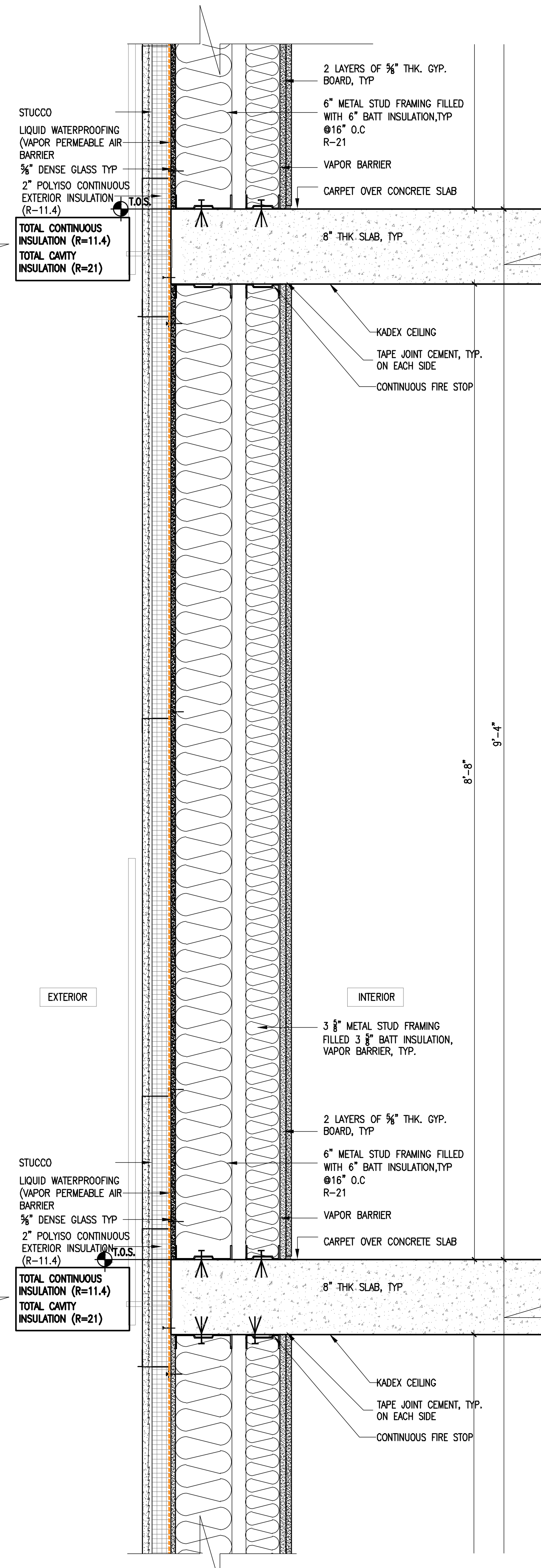
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

WALL SECTIONS

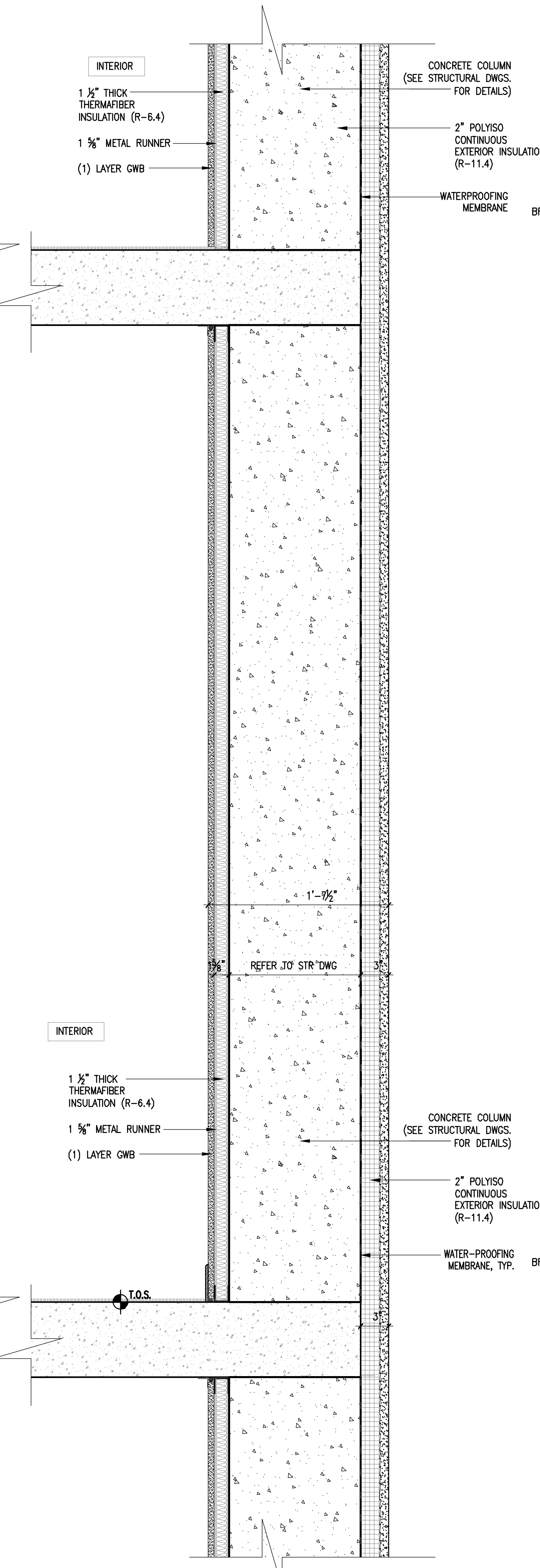
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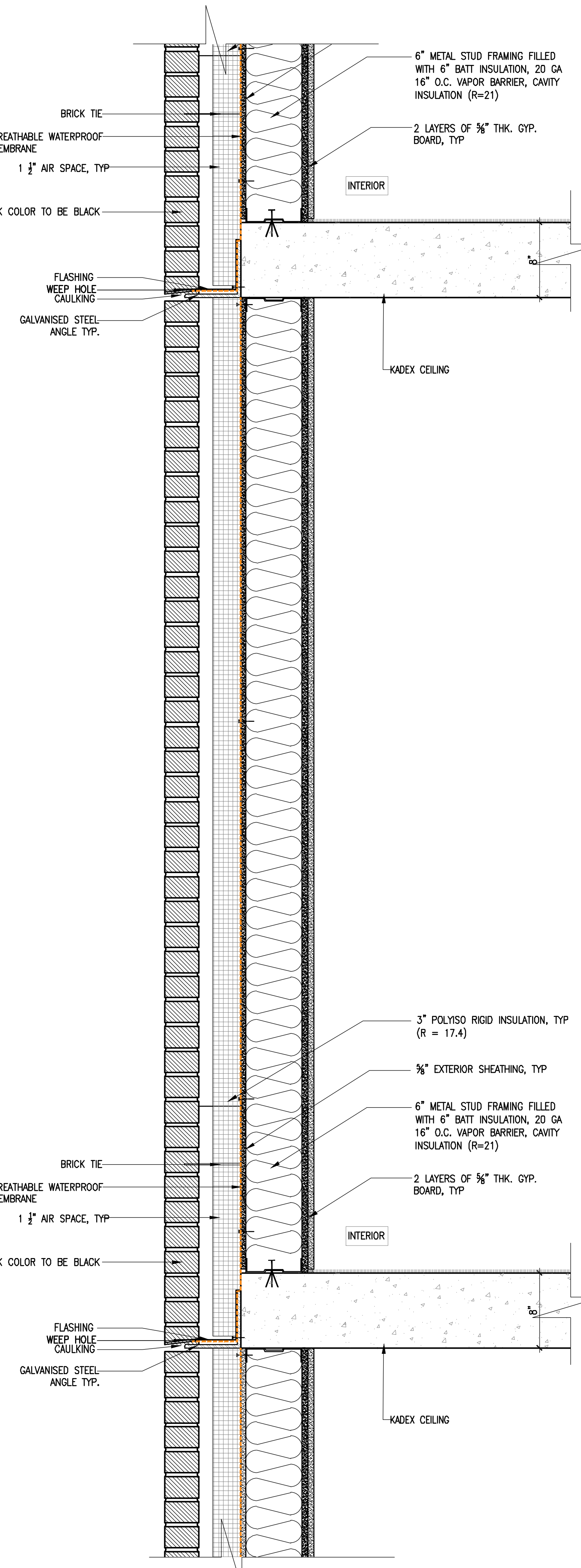
1 WALL SECTION STUD WALL WITH BRICK
 1 1/2" = 1'-0"



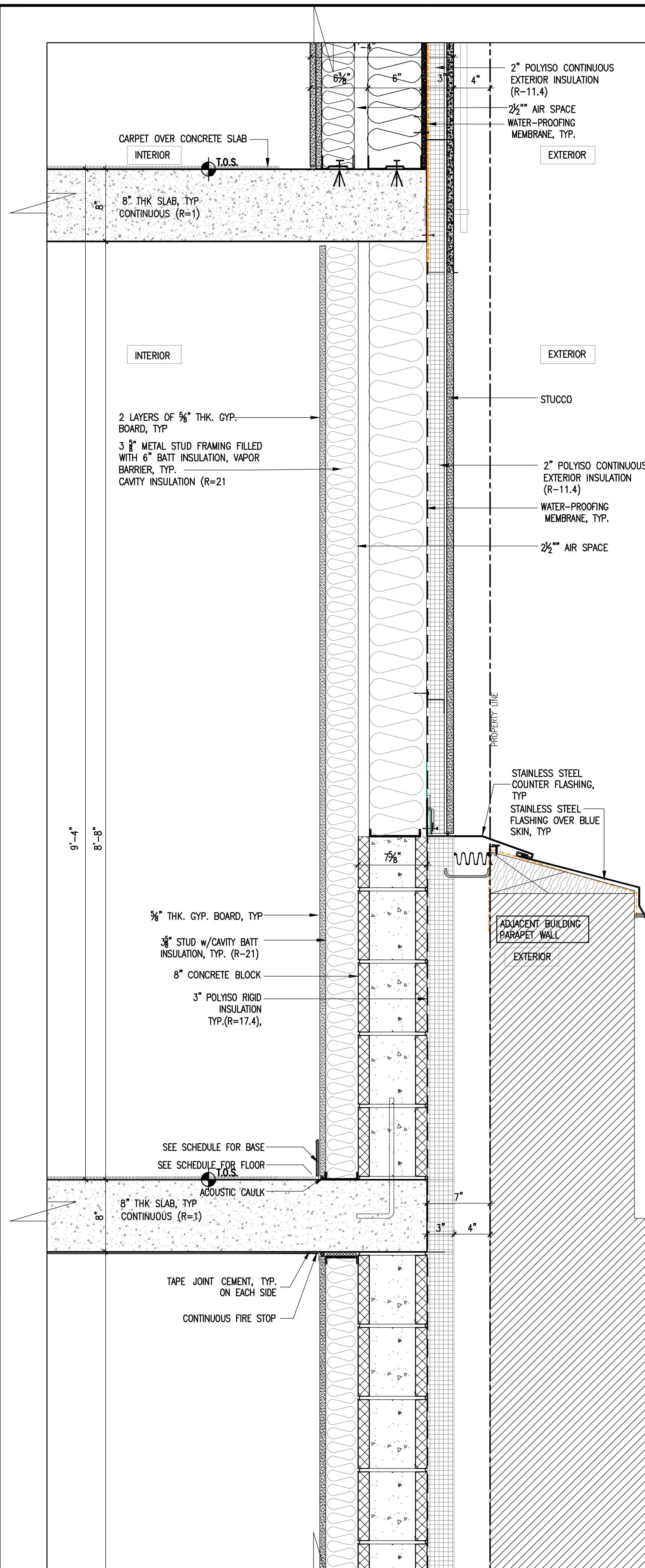
2 WALL SECTION STUD WALL WITH STUCCO
 1 1/2" = 1'-0"



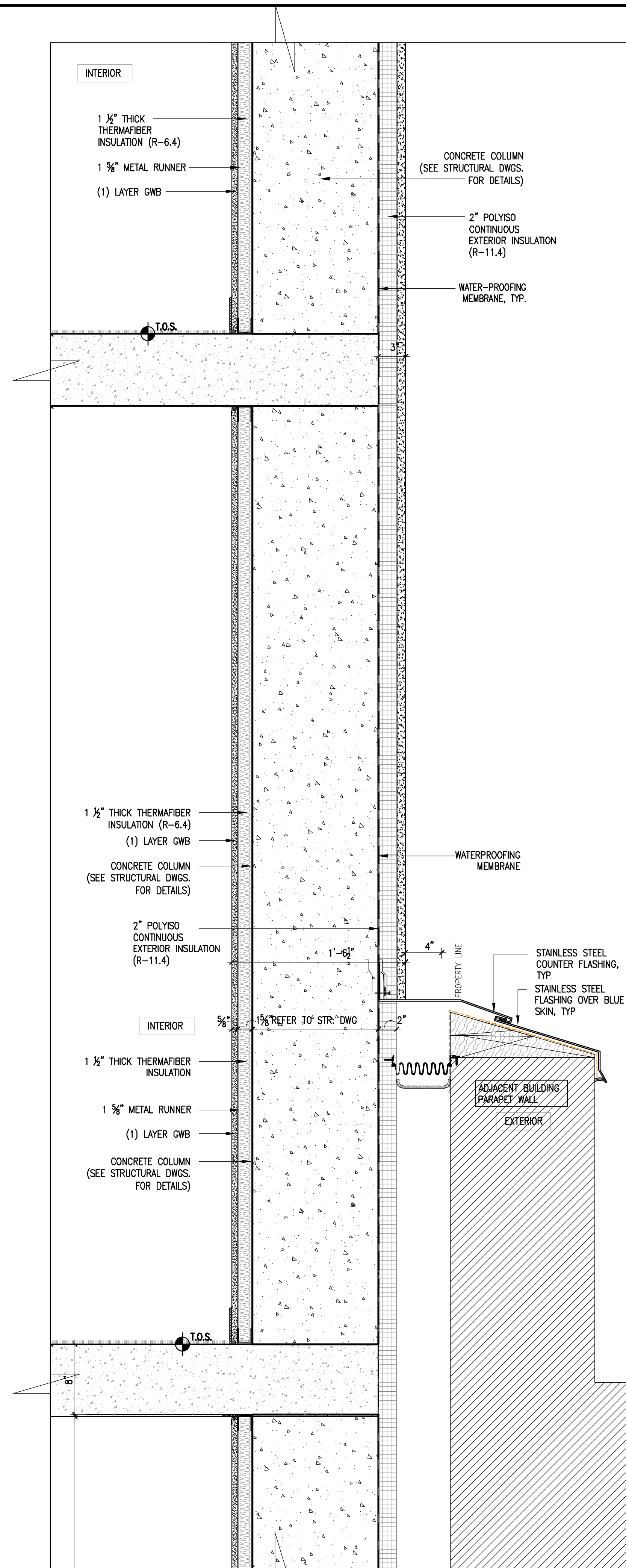
3 WALL SECTION SHEAR WALL W/ FURRING AND STUCCO
 1 1/2" = 1'-0"



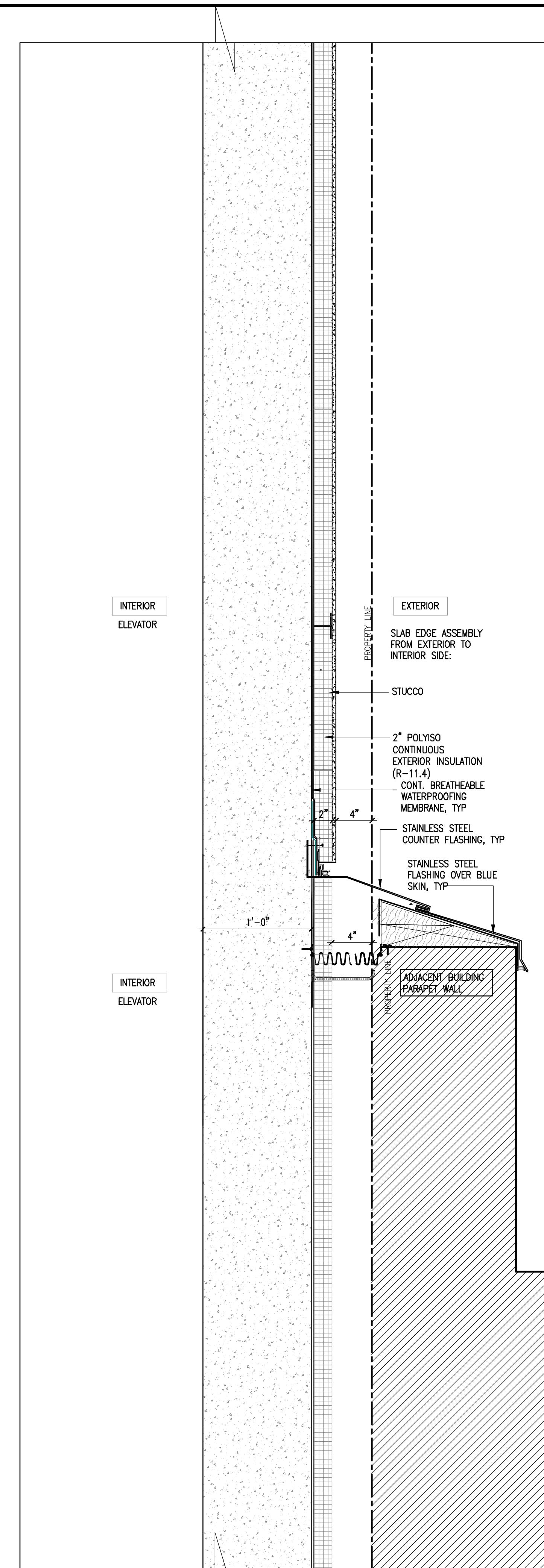
4 WALL SECTION @ BRICK ON STUD WALL
 1 1/2" = 1'-0"



1 8" CMU WALL AGAINST ADJACENT BUILDING
1 1/2" = 1'-0"



2 WALL SECTION- CONCRETE COLUMNS AGAINST ADJ BLDG
1 1/2" = 1'-0"



3 SHEAR WALL WITH STUCCO@ STAIR AND ELEVATOR SHAFT
1 1/2" = 1'-0"

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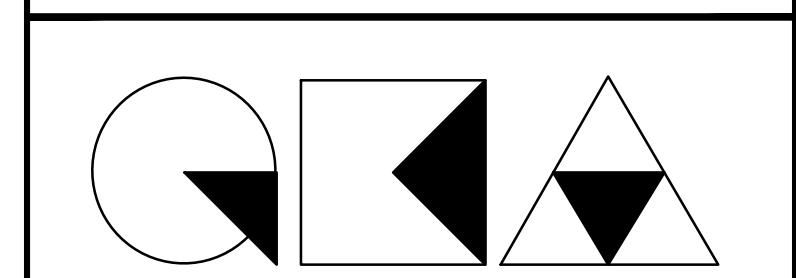
ISSUED DRAWINGS

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EXAMINER SEAL



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WALL SECTIONS

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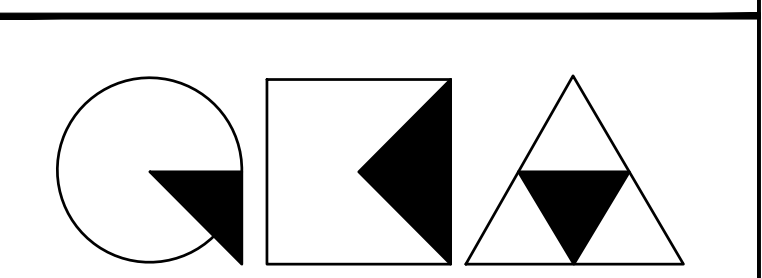
ISSUED DRAWINGS

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GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

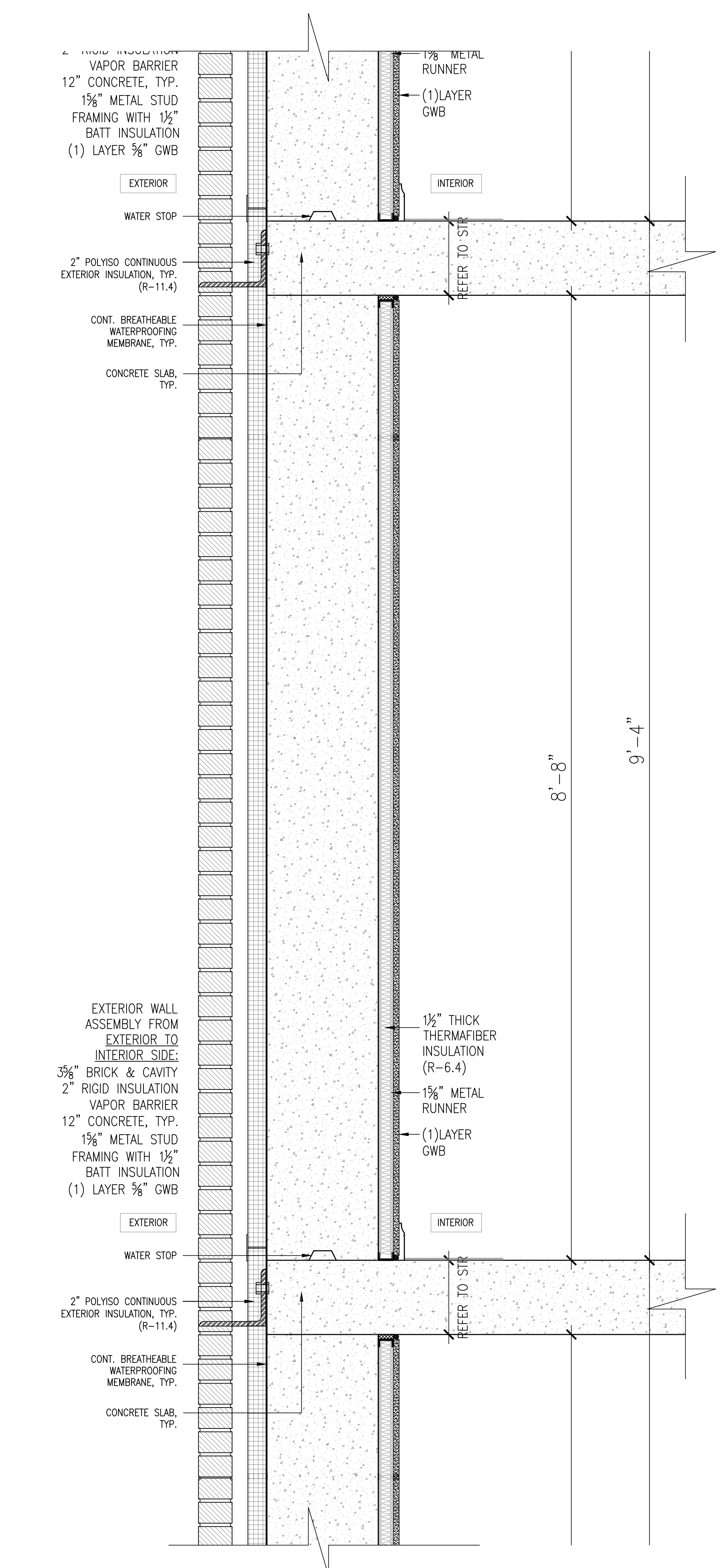
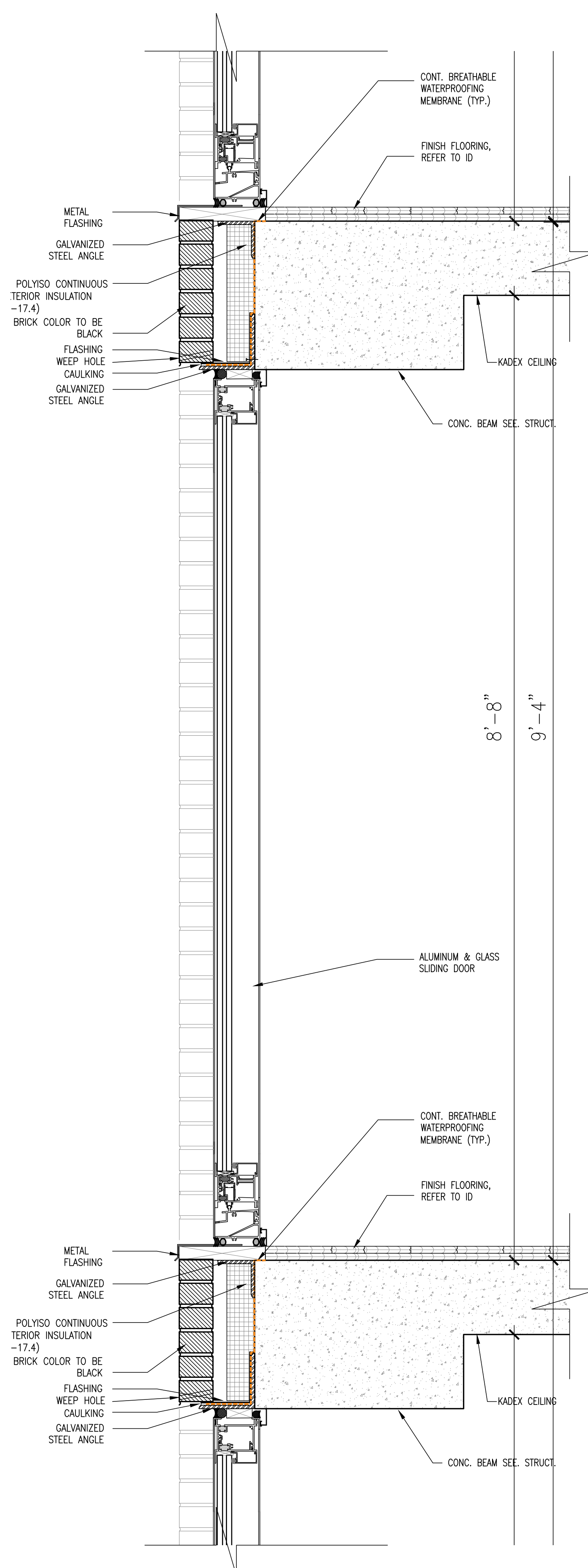
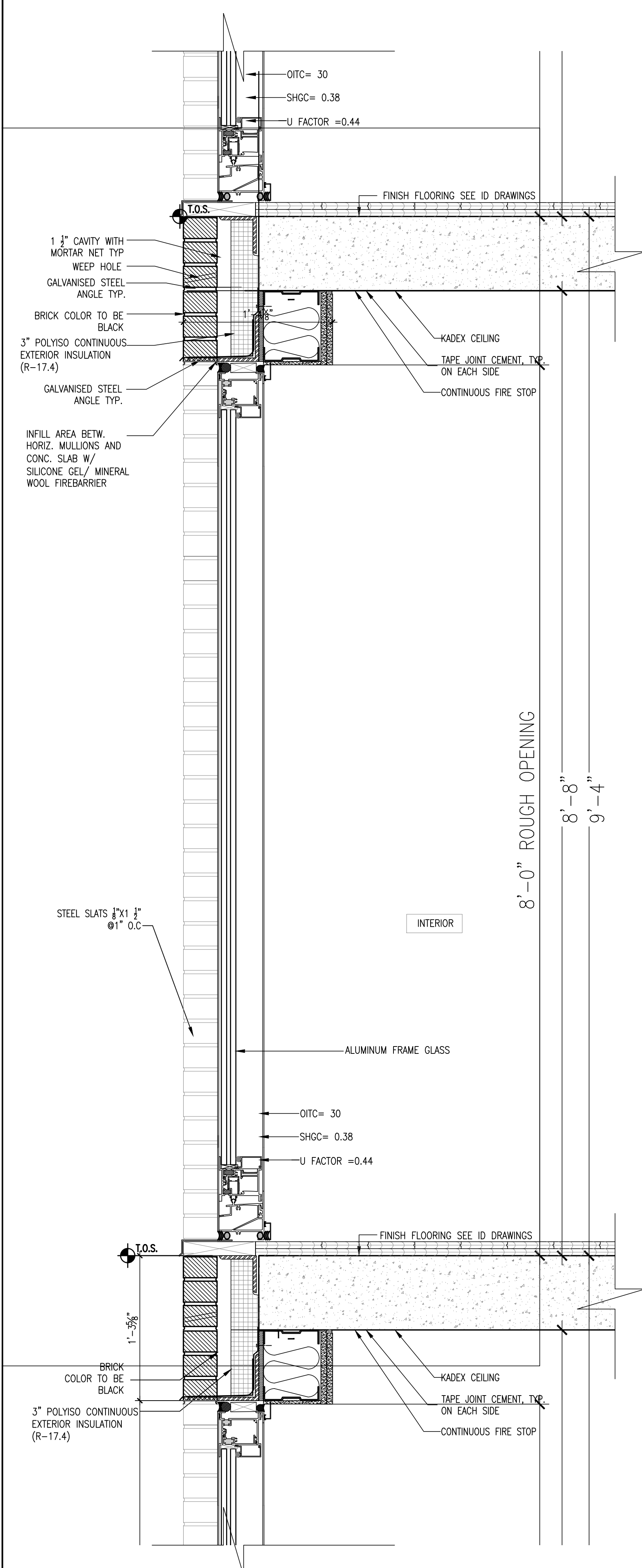


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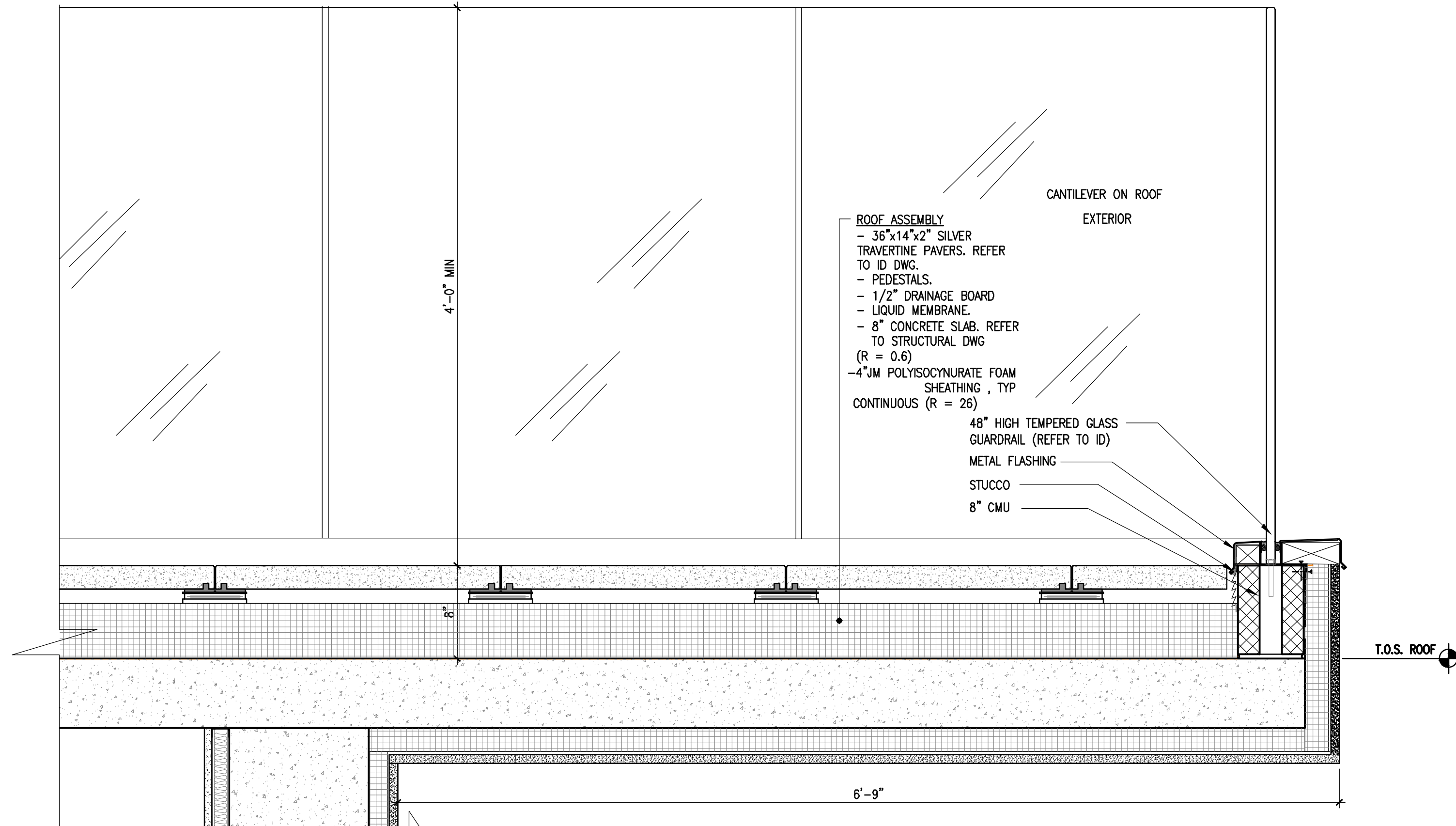
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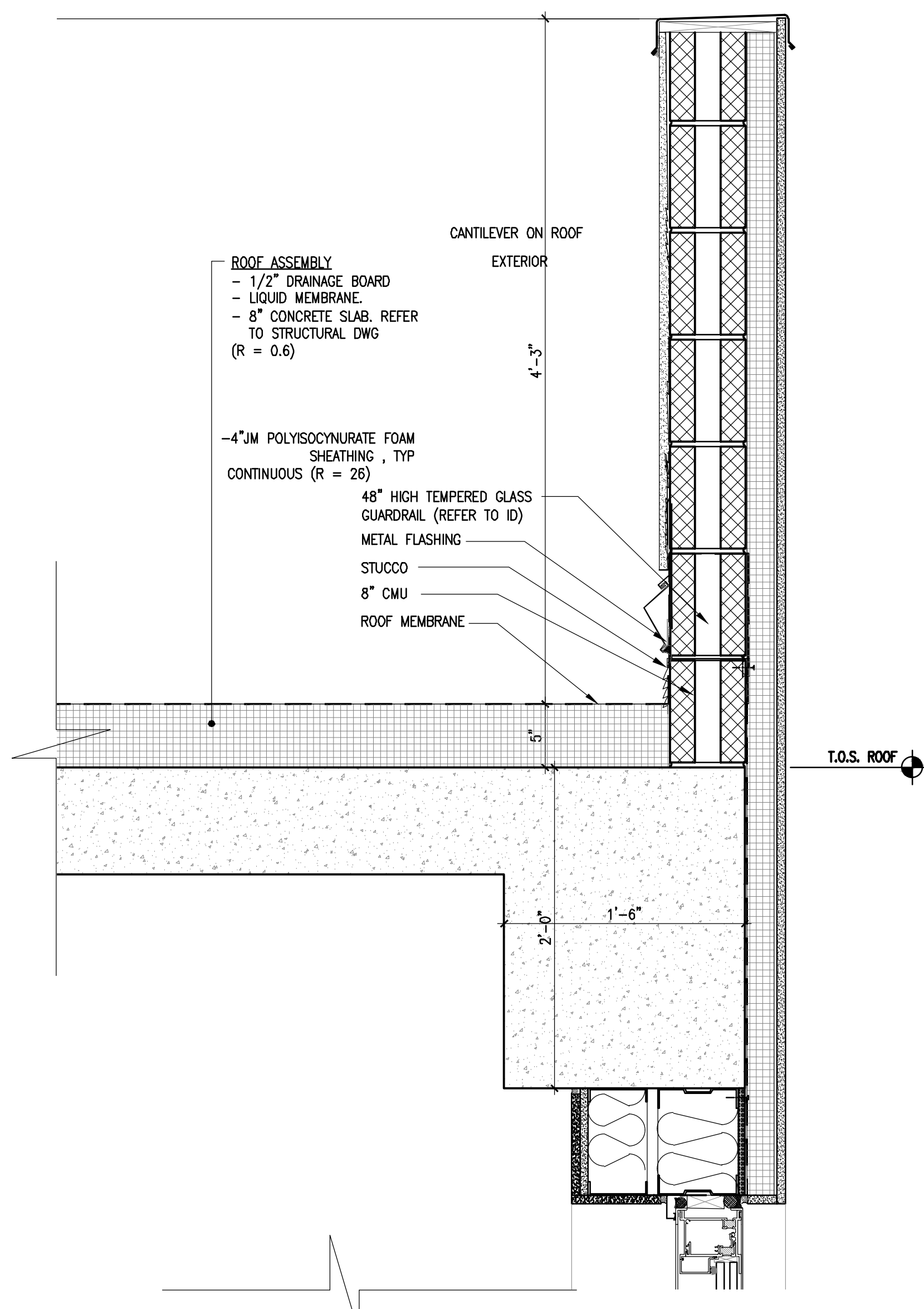


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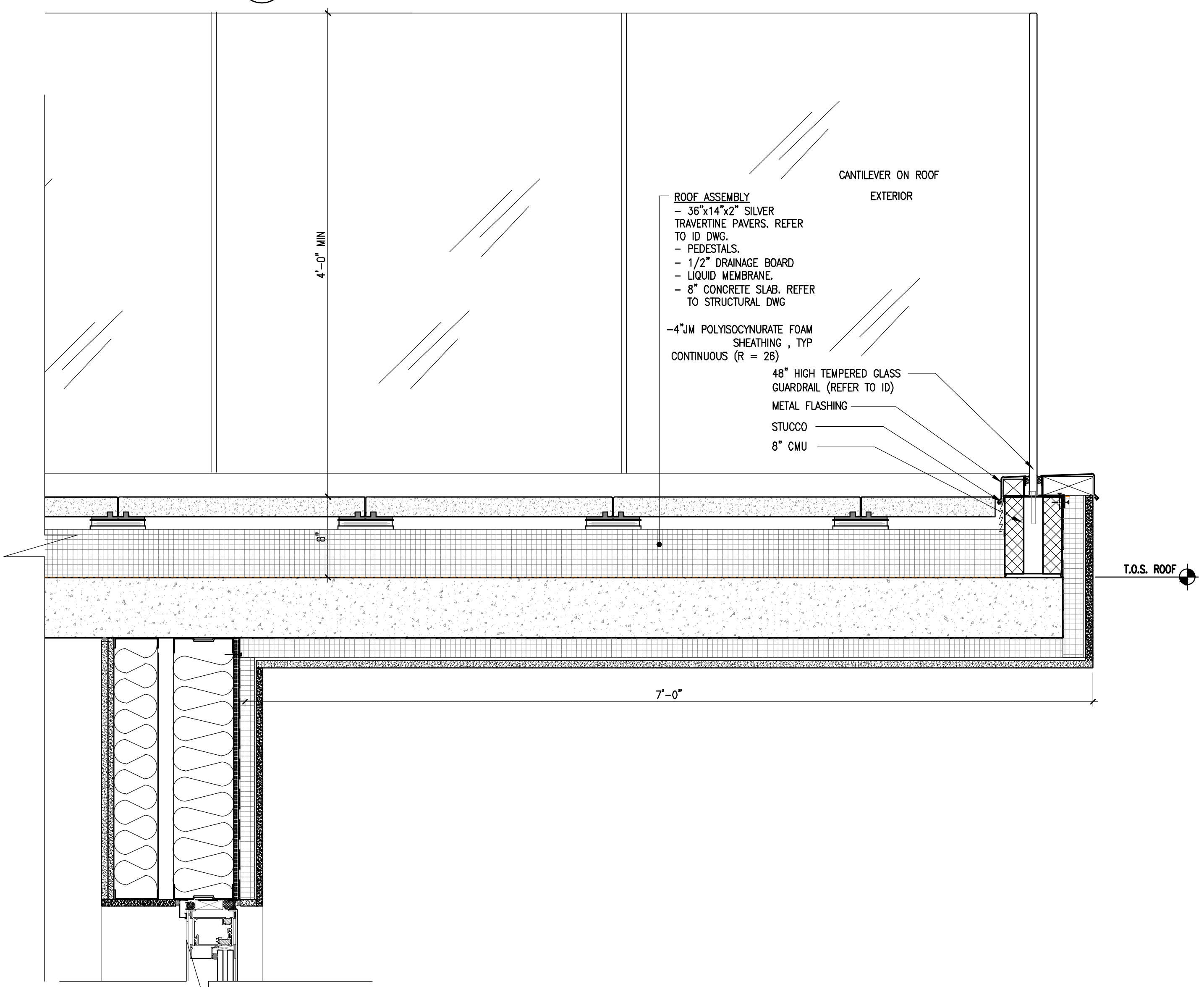
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3 CANTILEVER PARAPET AT FRONT@ ROOF FLOOR
1 1/2" = 1'-0"



1 PARAPET SECTION AT LIVINGSTON ST@ ROOF FLOOR
1 1/2" = 1'-0"



2 CANTILEVER PARAPET AT GROVE PLACE@ ROOF FLOOR
1 1/2" = 1'-0"

DATE	DESCRIPTION
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08/28/2018	ISSUED TO DOB
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ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

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79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

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WALL SECTIONS

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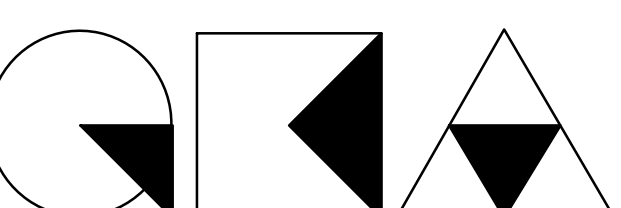
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02	08/03/2017	ISSUED TO DOB
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ISSUED DRAWINGS

 **GENE KAUFMAN ARCHITECT PC**
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STRUCTURAL ENGINEER
 **GENE KAUFMAN ARCHITECT PC**
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700


MEP ENGINEER
JOB NUMBER NB#32119.32.30

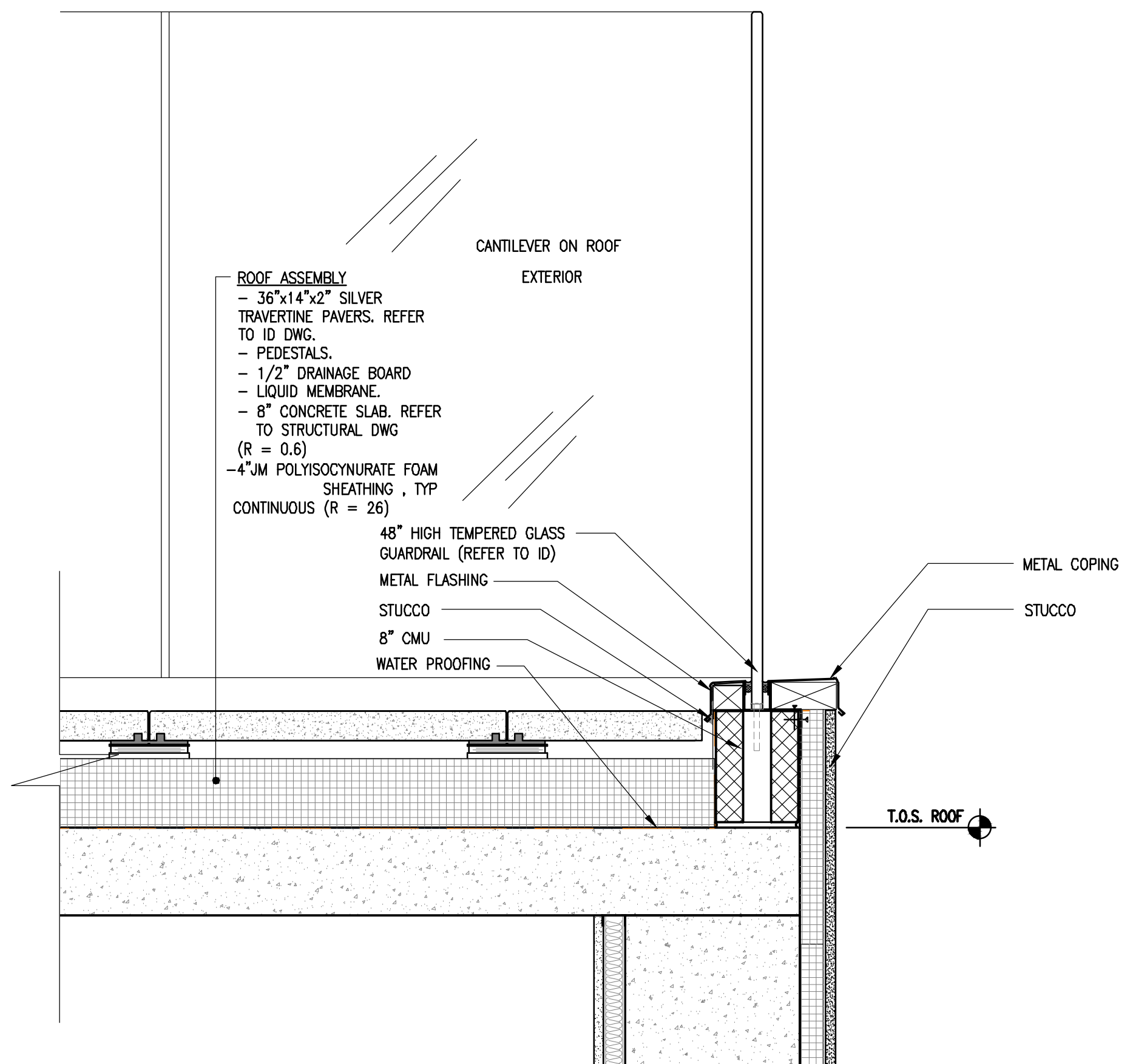
EXAMINER SEAL


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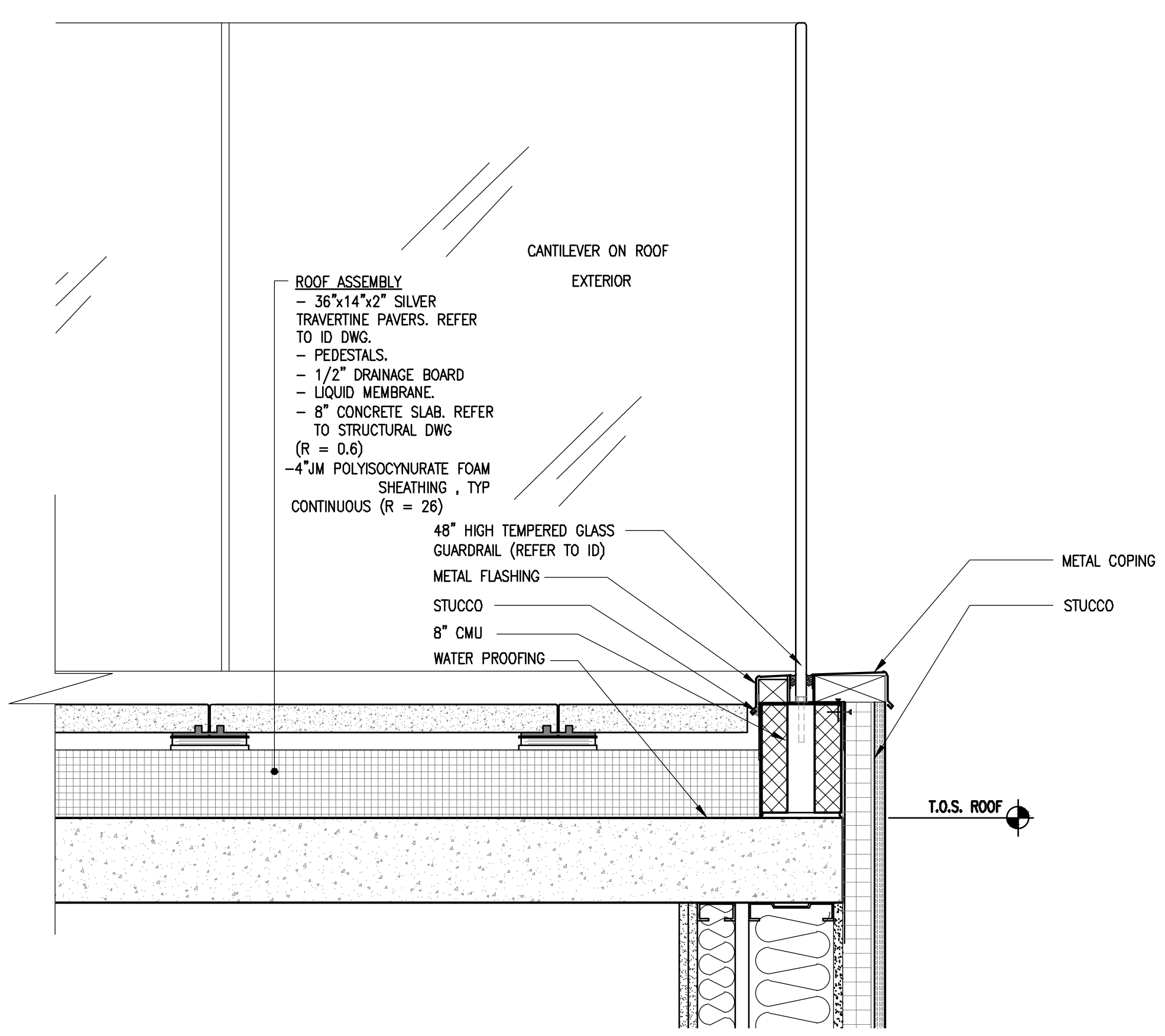
291 LIVINGSTON STREET
BROOKLYN, NY 11217

WALL SECTIONS

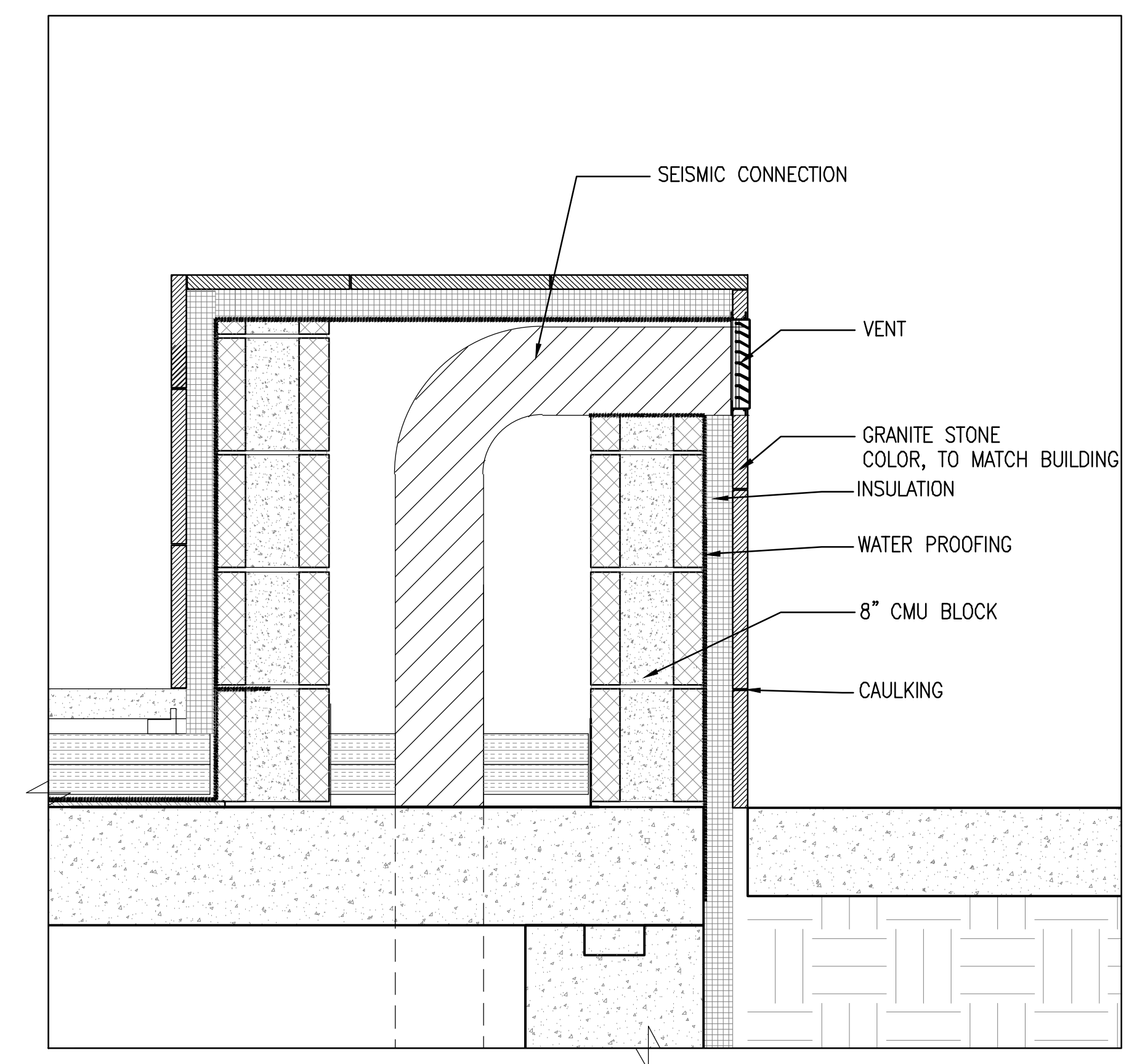
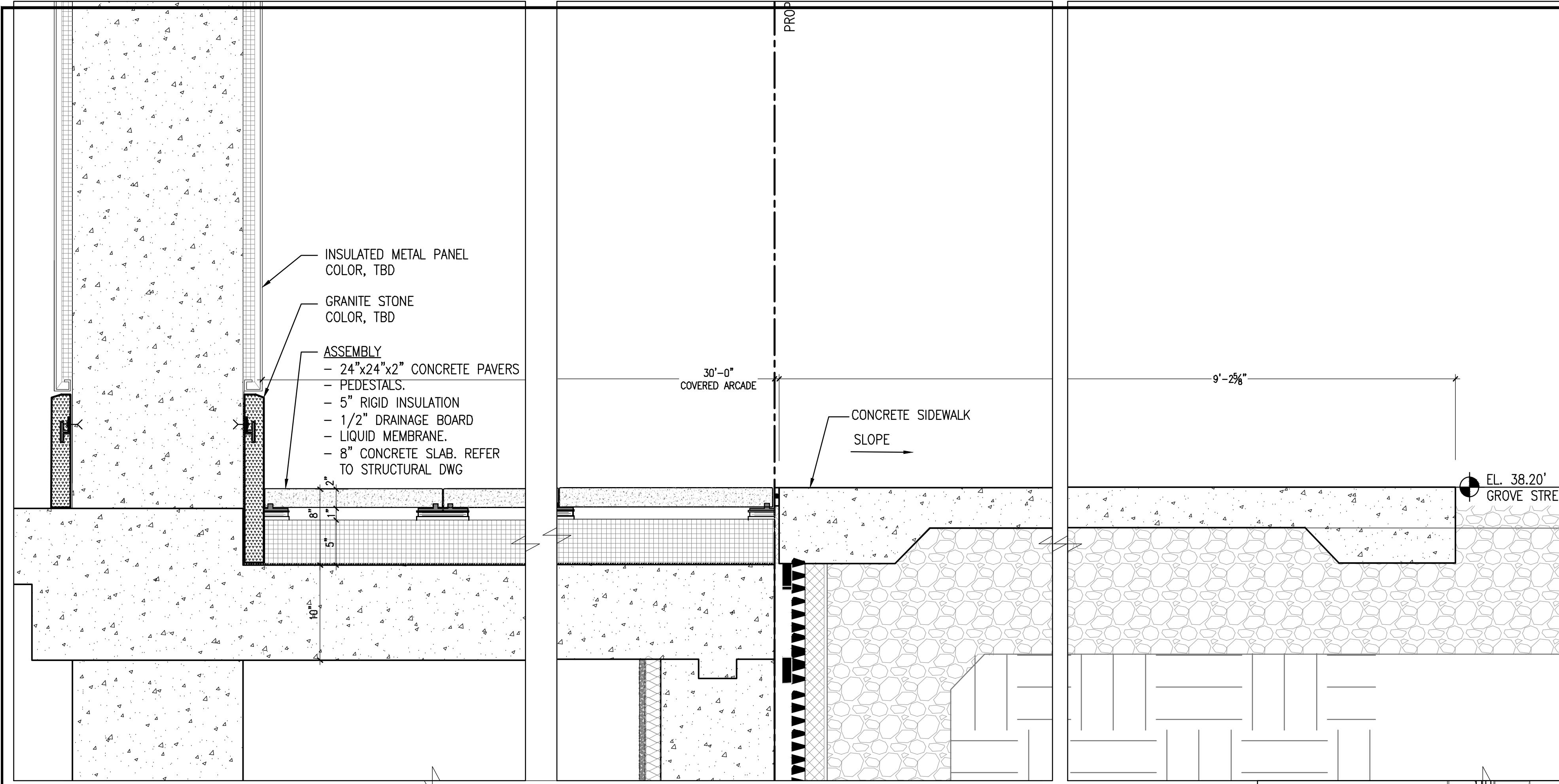
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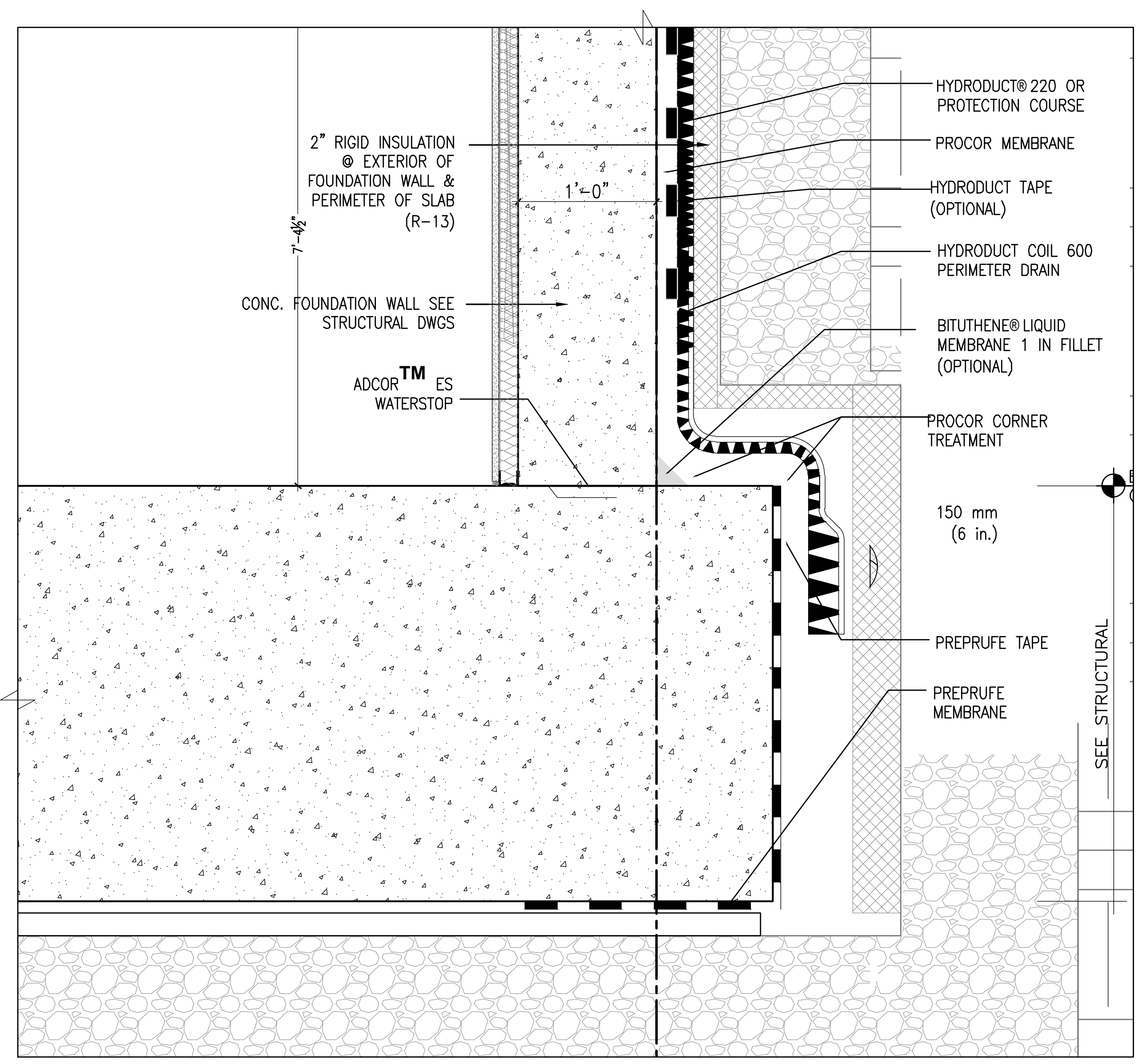
1 PARAPET AT FRONT@ ROOF FLOOR
1 1/2" = 1'-0"



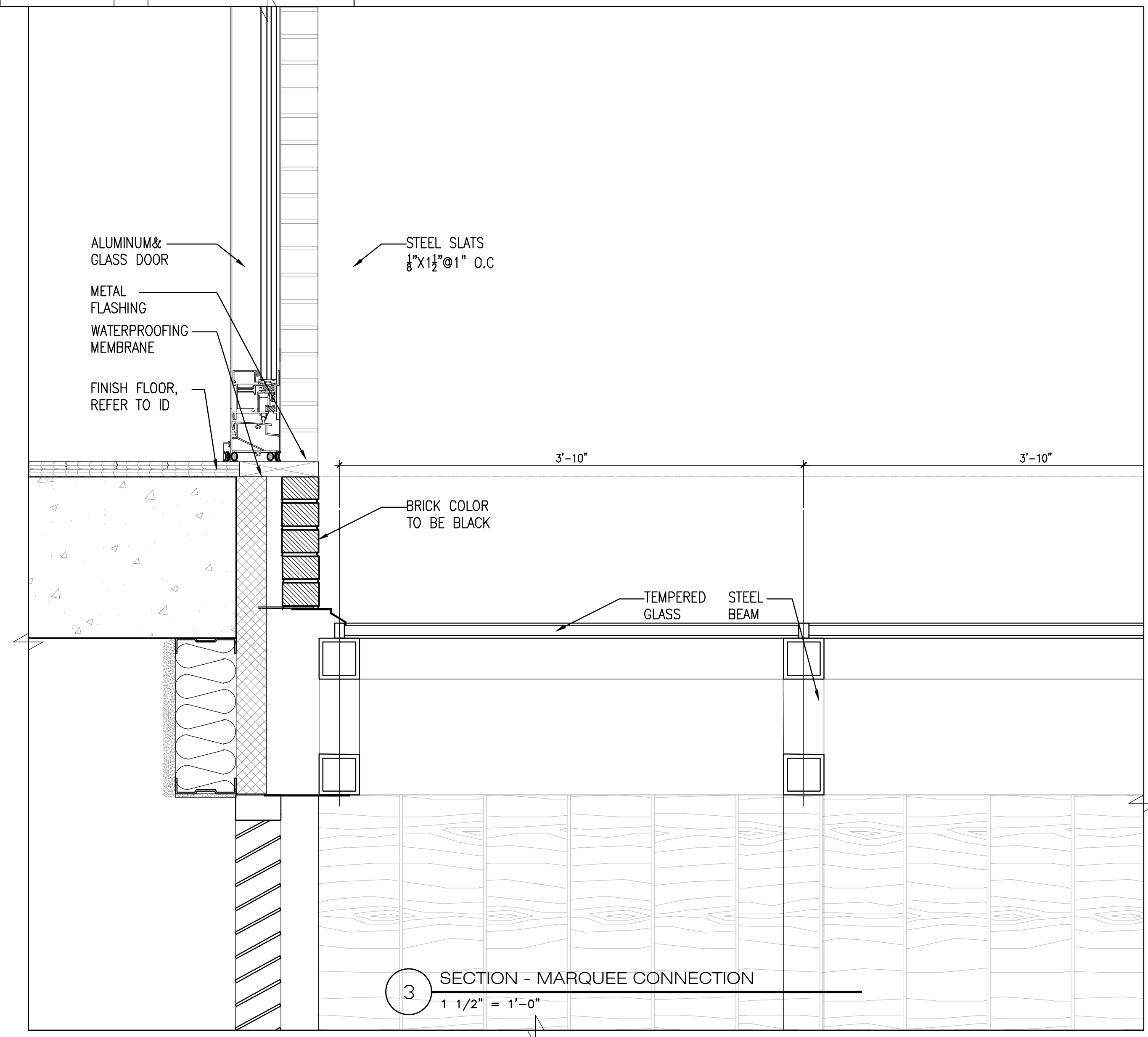
2 PARAPET AT SIDE@ ROOF FLOOR
1 1/2" = 1'-0"



2 SECTION - AT SEISMIC CONNECTION @ 1ST FL
1 1/2" = 1'-0"



1 WALL SECTION - AT FOUNDATION WALL (GROVE PLACE)
1 1/2" = 1'-0"



3 SECTION - MARQUEE CONNECTION
1 1/2" = 1'-0"

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ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

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JOB NUMBER NB#321193230

EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC

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BROOKLYN, NY 11217

WALL SECTIONS

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04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

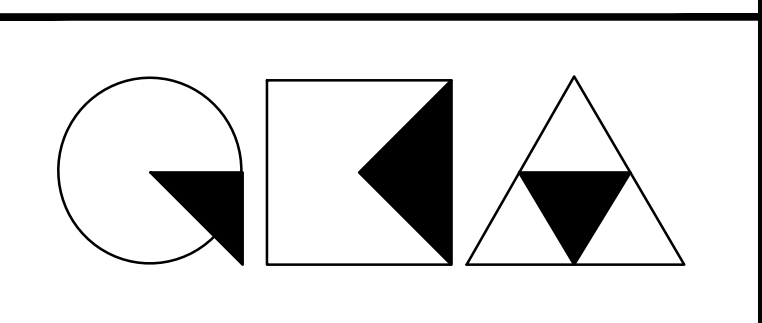
ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

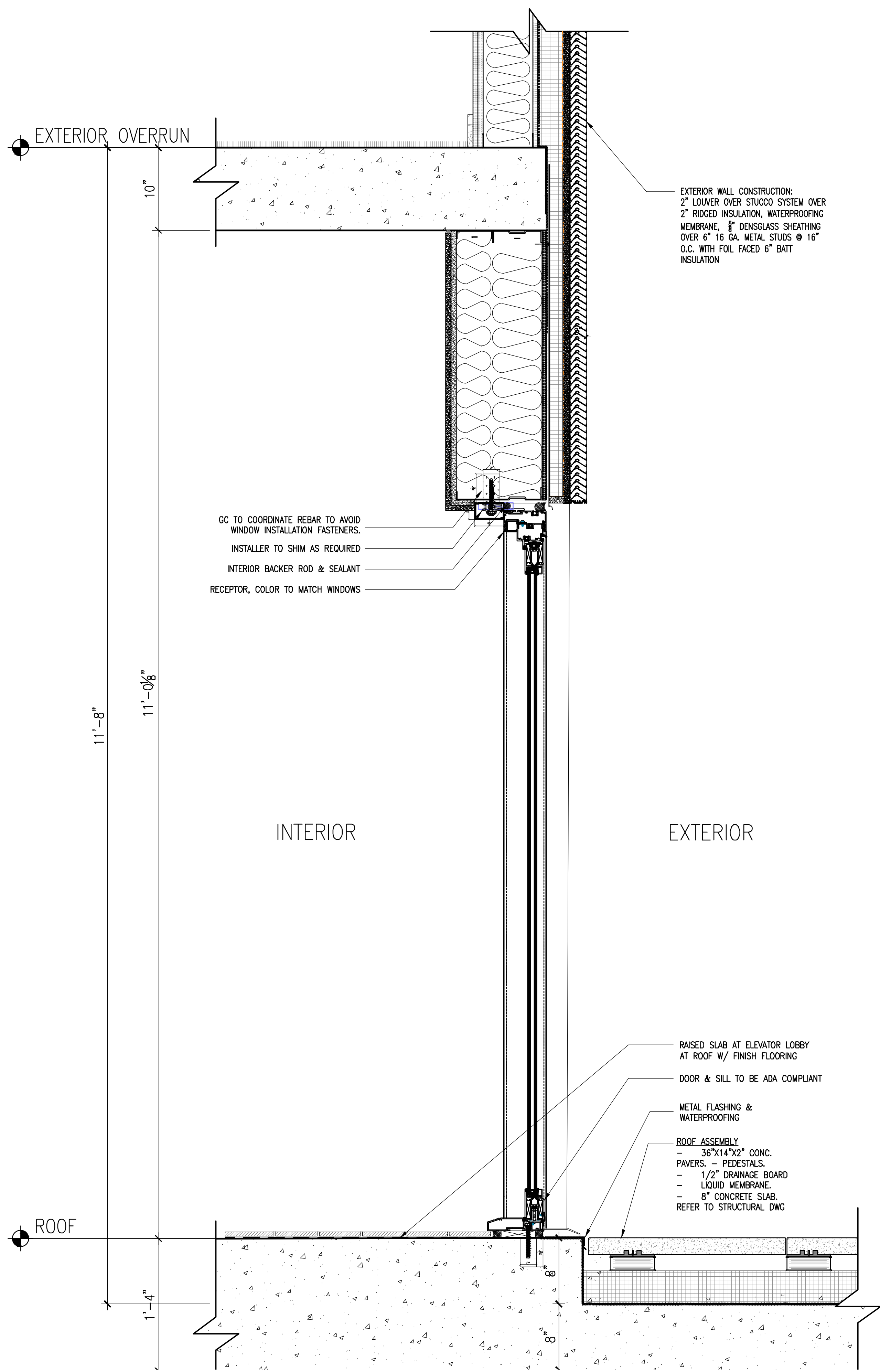


GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
 T 212 625 8700 www.gkpac.com

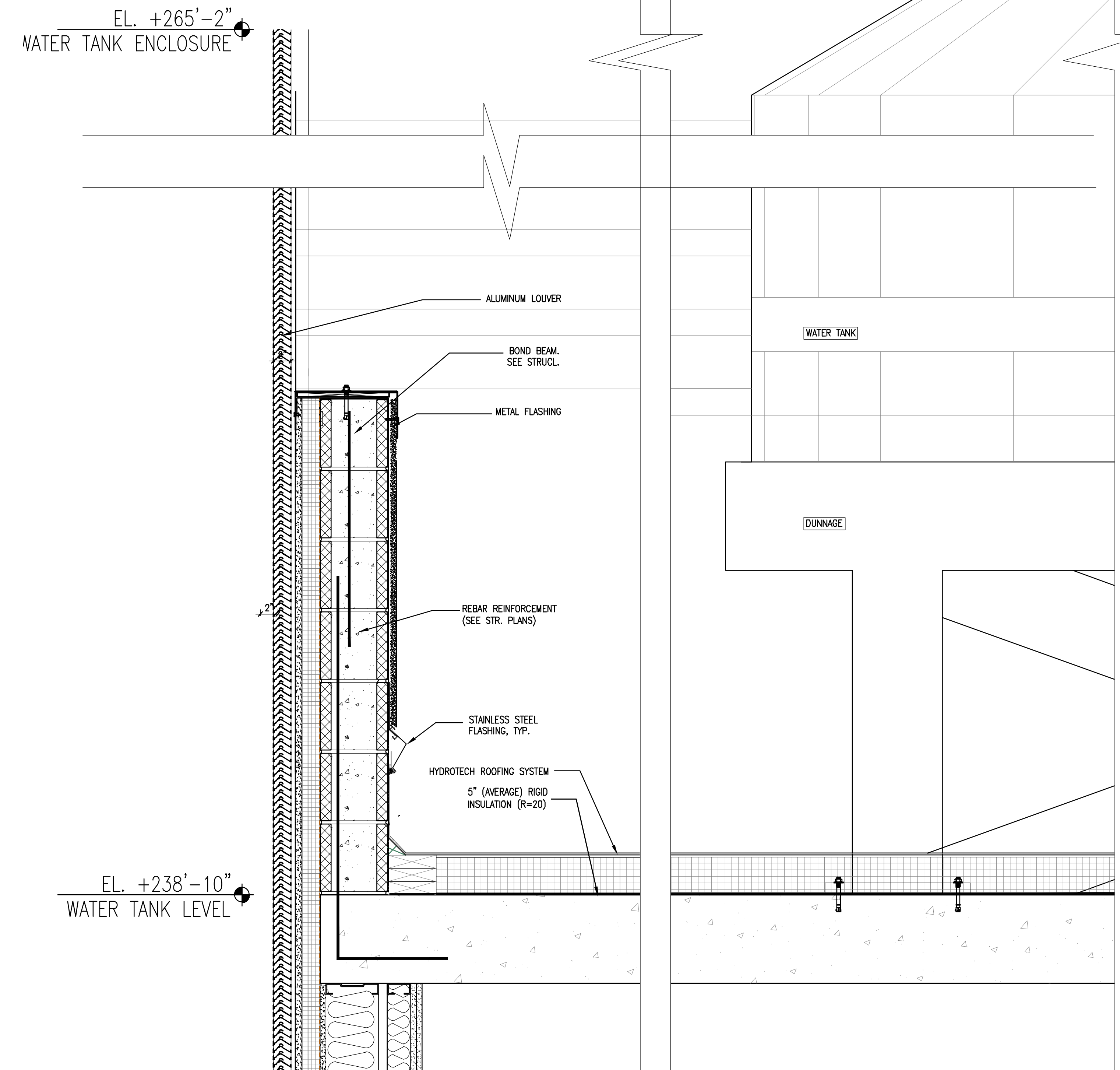
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

WALL SECTIONS AT ROOF

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-505.00
	PAGE #



1 SECTION AT ROOF DOOR
 1/2" = 1'-0"



2 WATER TANK PARAPET
 1/2" = 1'-0"

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10	10/19/2018	ISSUED ADDENDUM #1
09	08/28/2018	ISSUED TO DOB
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
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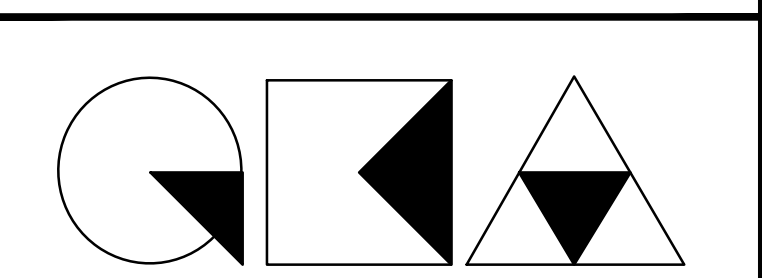
ISSUED DRAWINGS

 **GENE KAUFMAN ARCHITECT PC**
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
STRUCTURAL ENGINEER

 **GENE KAUFMAN ARCHITECT PC**
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

JOB NUMBER NB#321193230


EXAMINER SEAL

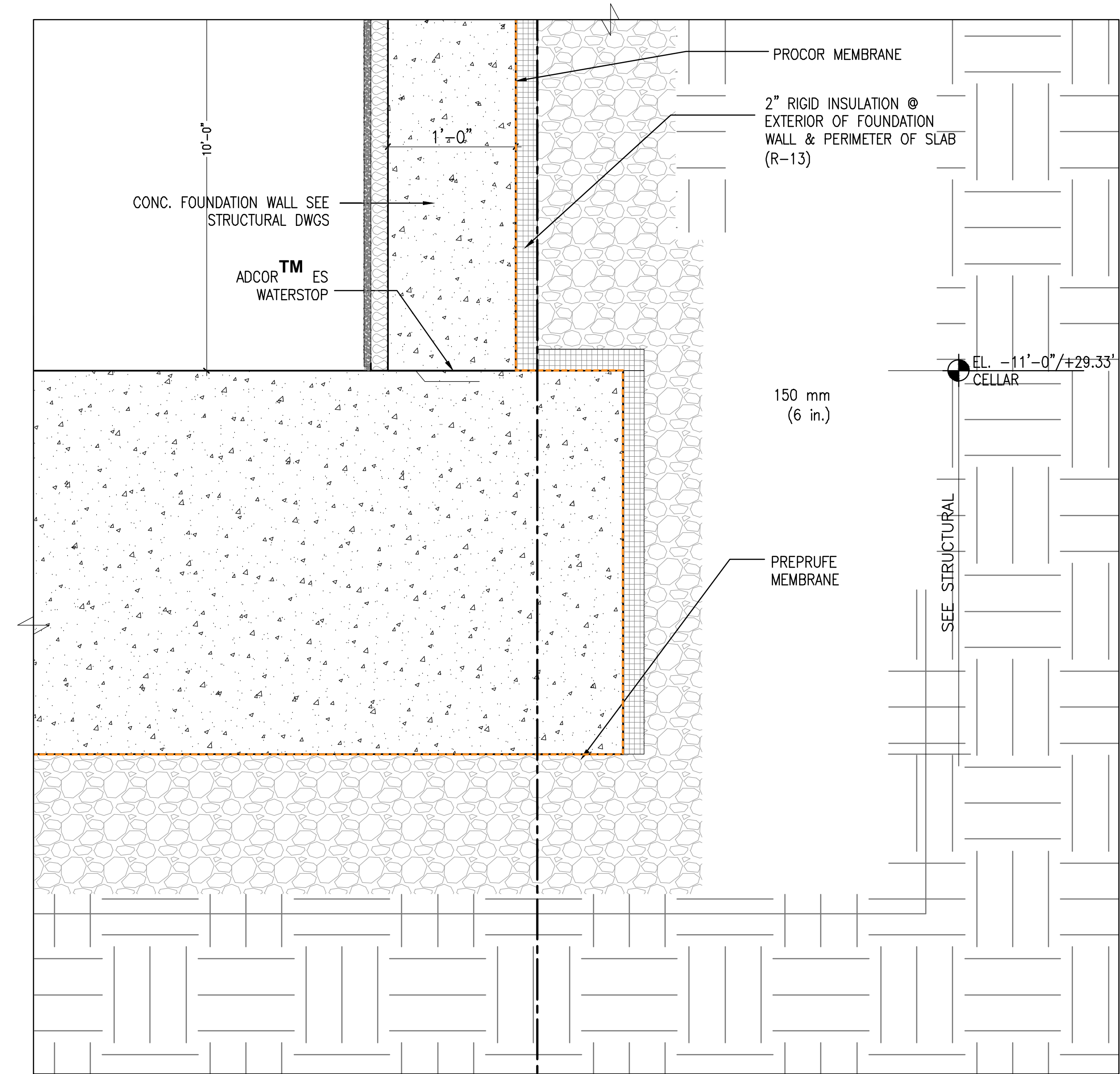
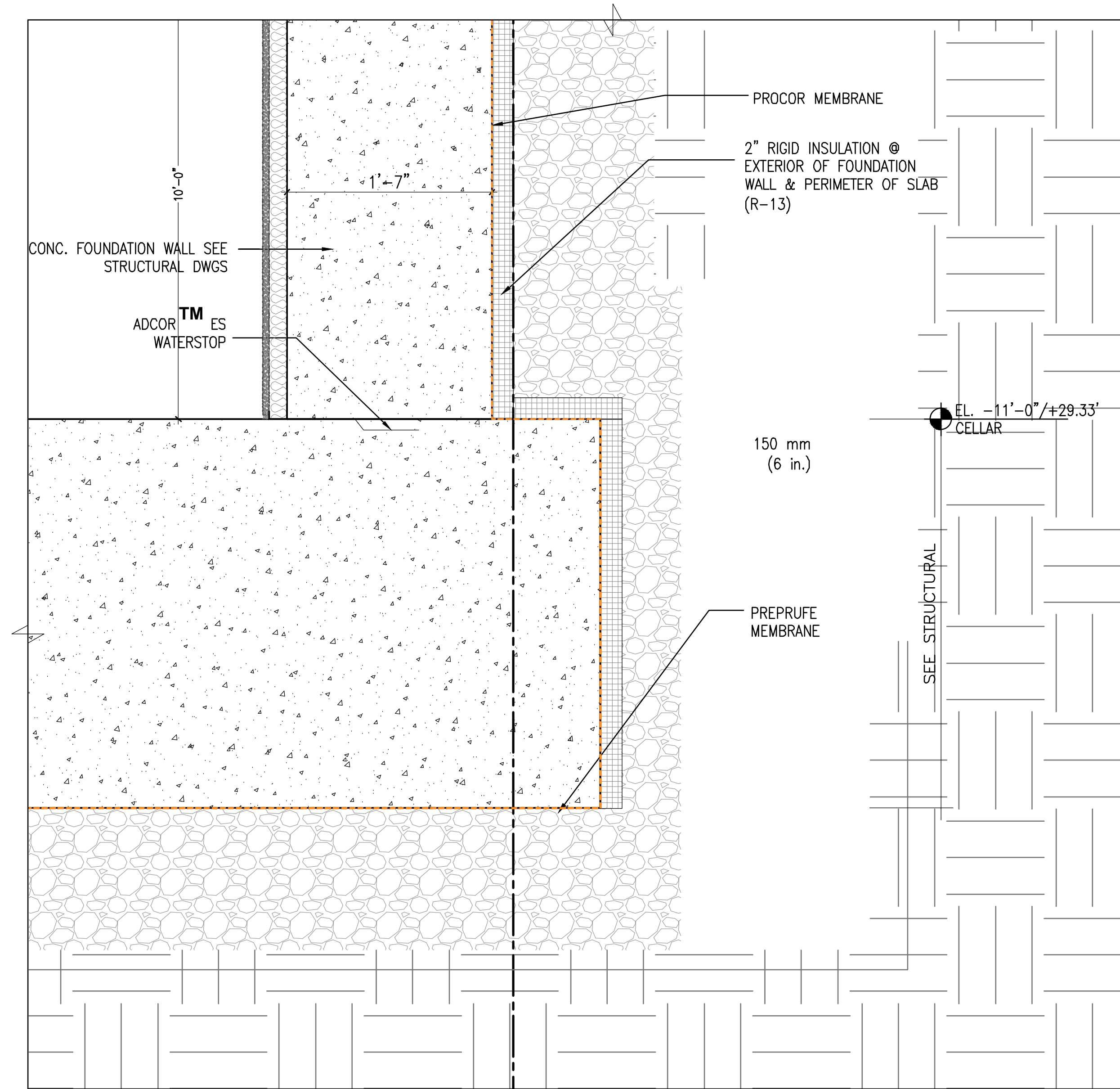
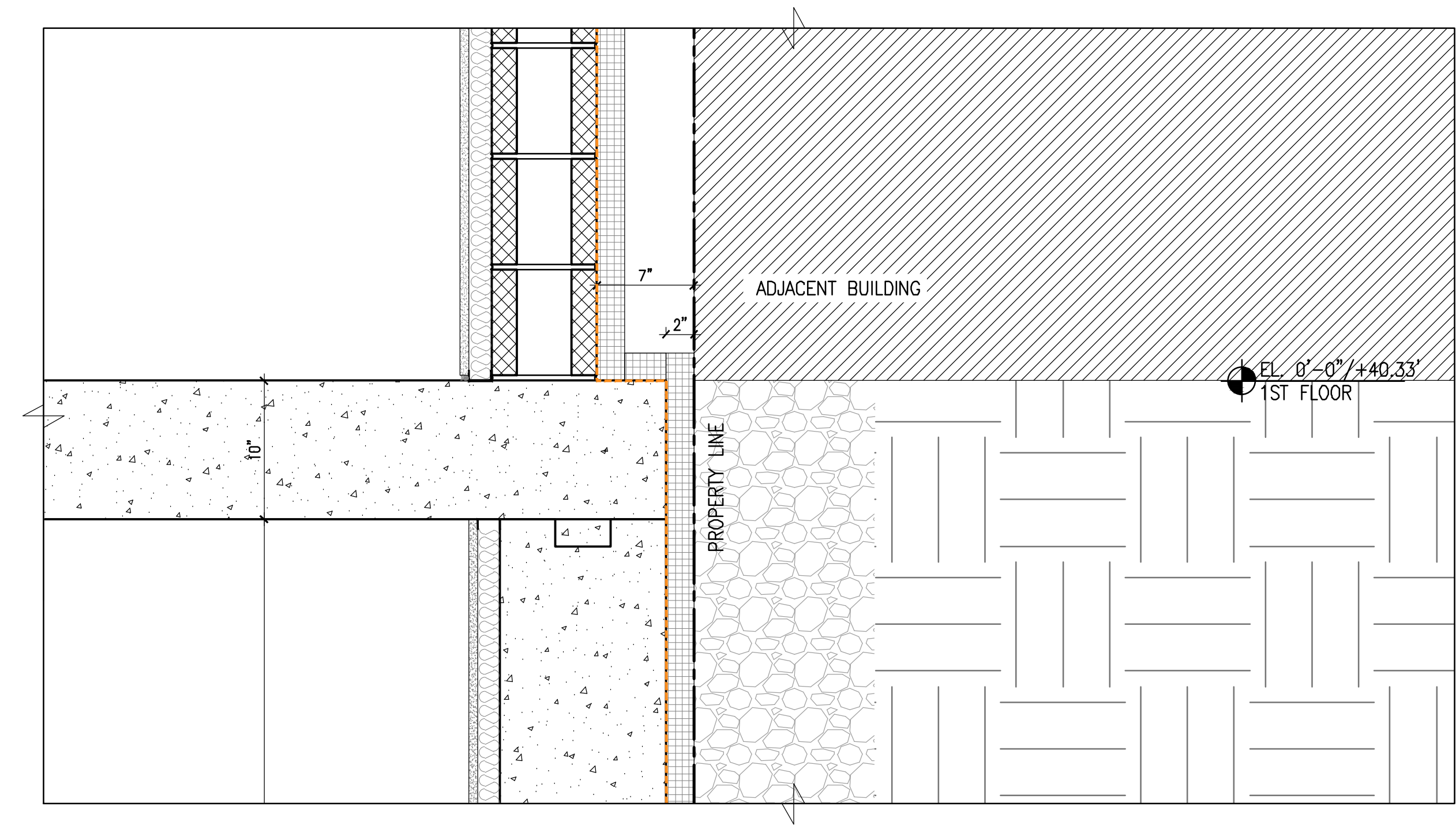
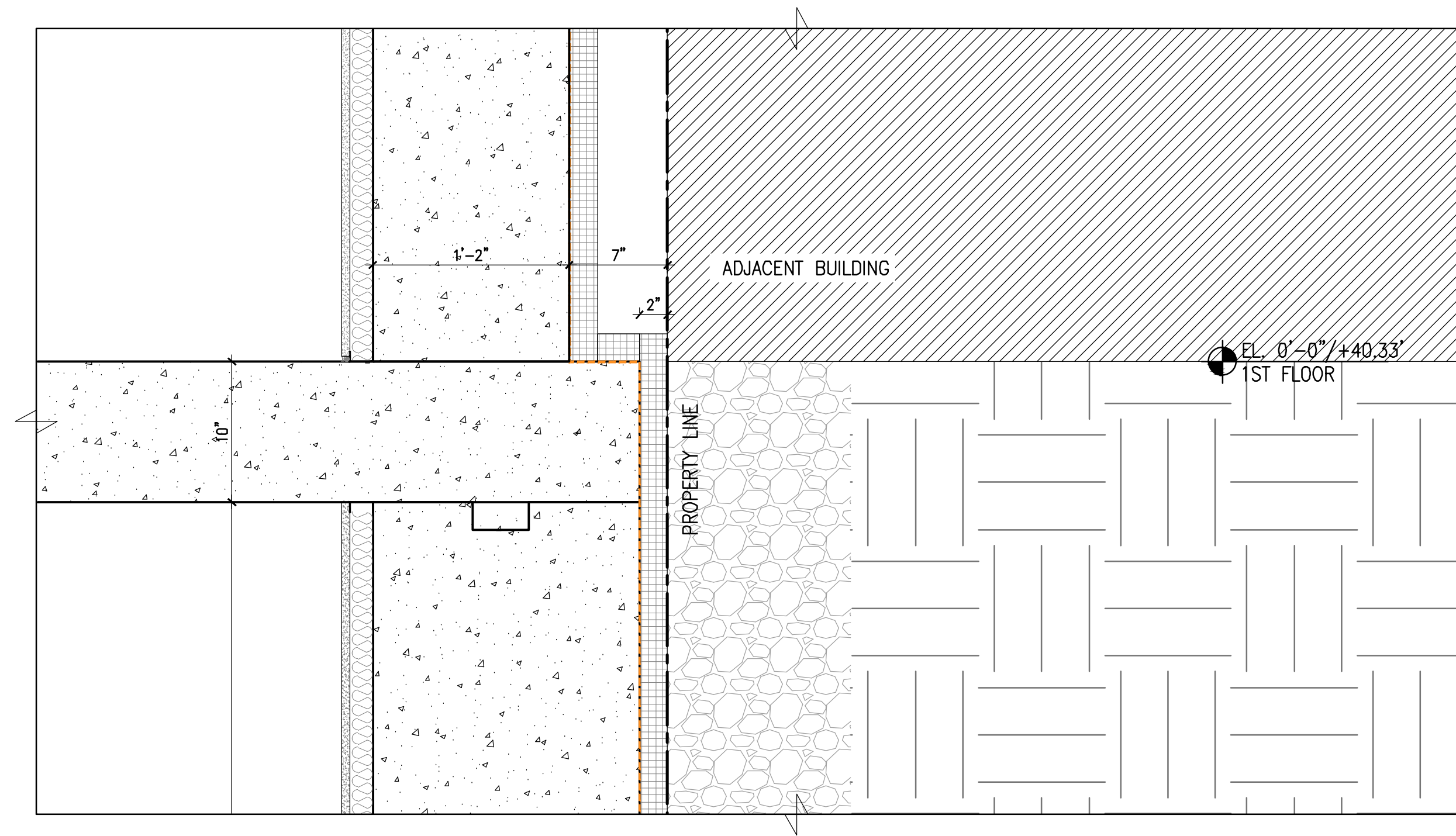


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291 LIVINGSTON STREET
BROOKLYN, NY 11217

FOUNDATION WALL SECTIONS

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-506.00
	PAGE #

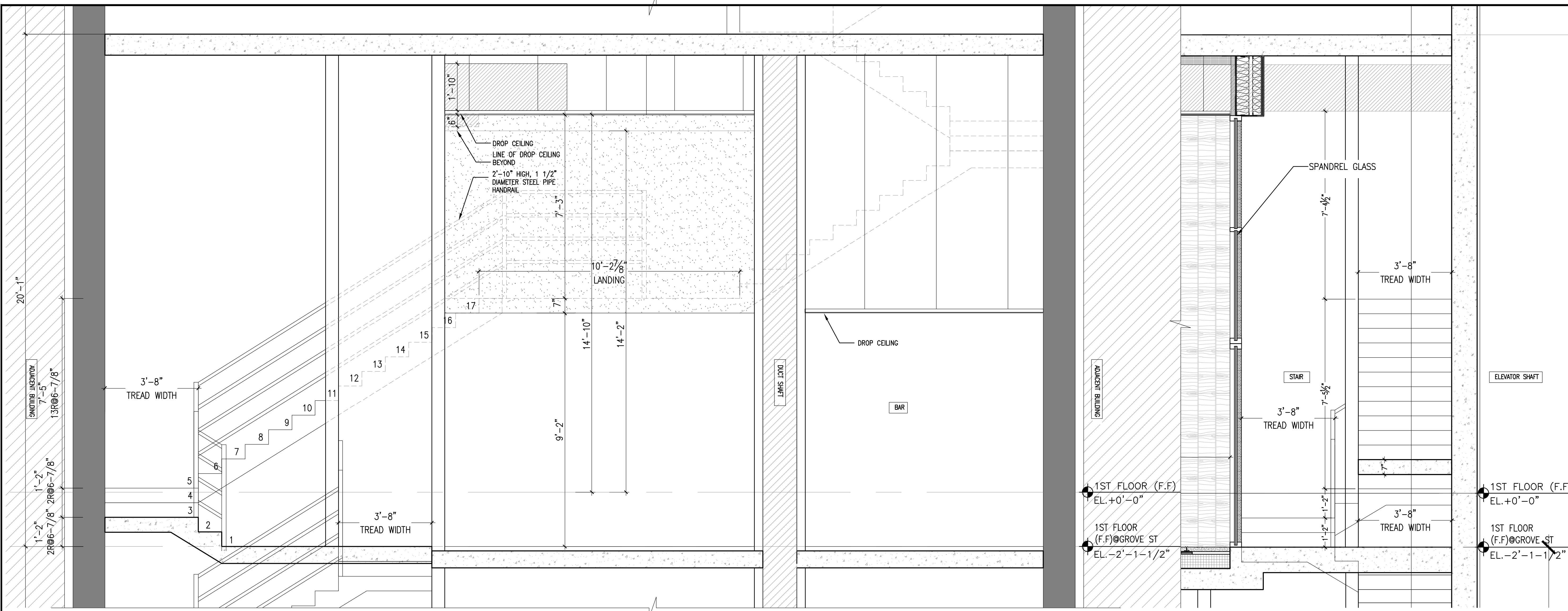


1 FOUNDATION WALL SECTION
1 1/2" = 1'-0"

2 FOUNDATION WALL SECTION
1 1/2" = 1'-0"

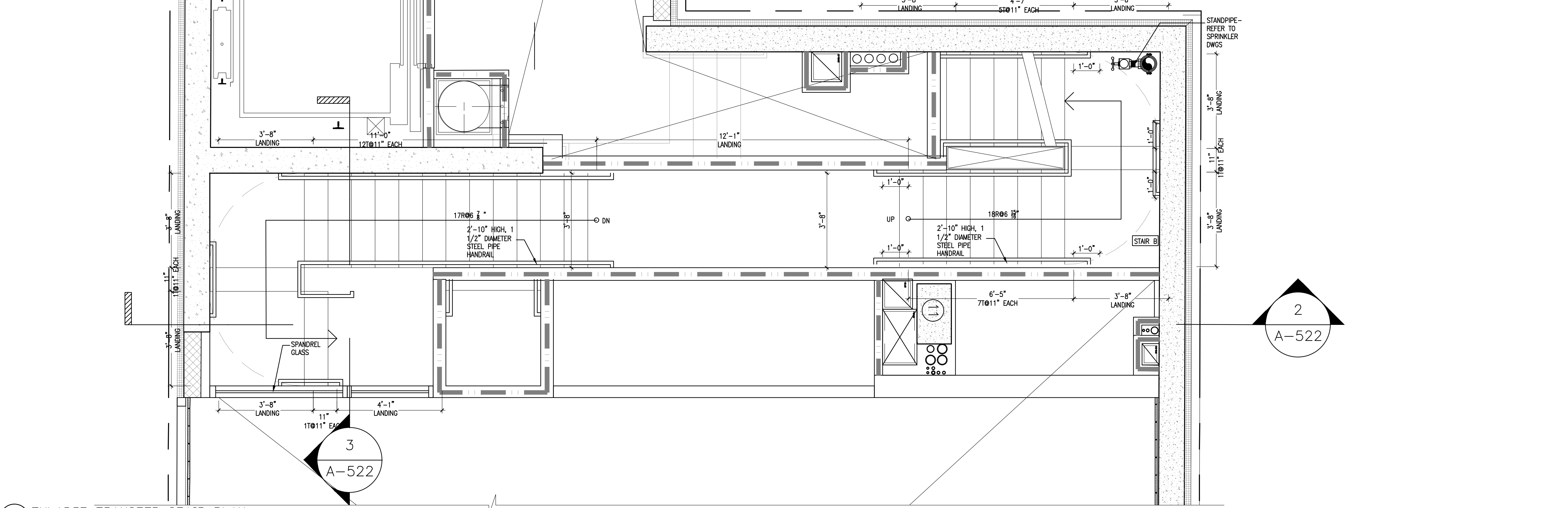
THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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2 ENLARGE TRANSFER STAIR CROSS SECTION
1/4" = 1'-0"

3 ENLARGE TRANSFER STAIR SECTION
1/4" = 1'-0"



1 ENLARGE TRANSFER STAIR PLAN
1/4" = 1'-0"

ISSUED DRAWINGS	
DATE	DESCRIPTION
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02	08/03/2017 ISSUED TO DOB
03	10/02/2017 ISSUED FOR MODULAR
04	10/19/2017 ISSUED FOR DOB
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10	10/19/2018 ISSUED ADDENDUM #1

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GENE KAUFMAN ARCHITECT PC
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MEP ENGINEER
JOB NUMBER NB#321193230

EXAMINER SEAL

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BROOKLYN, NY 11217

ENLARGED TRNSFER STAIR SECTIONS AND PLAN

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: 1/2"=1'-0"
	DRAWING NUMBER: A-522.00
	PAGE #

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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09	10/19/2018	ISSUED ADDENDUM #1
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02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

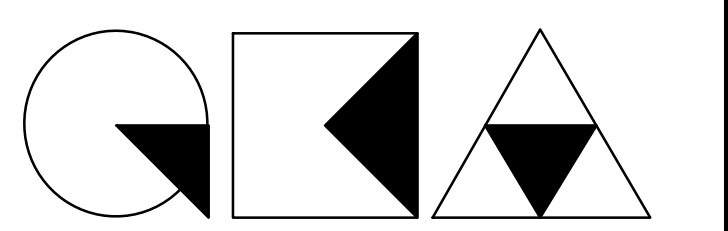
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

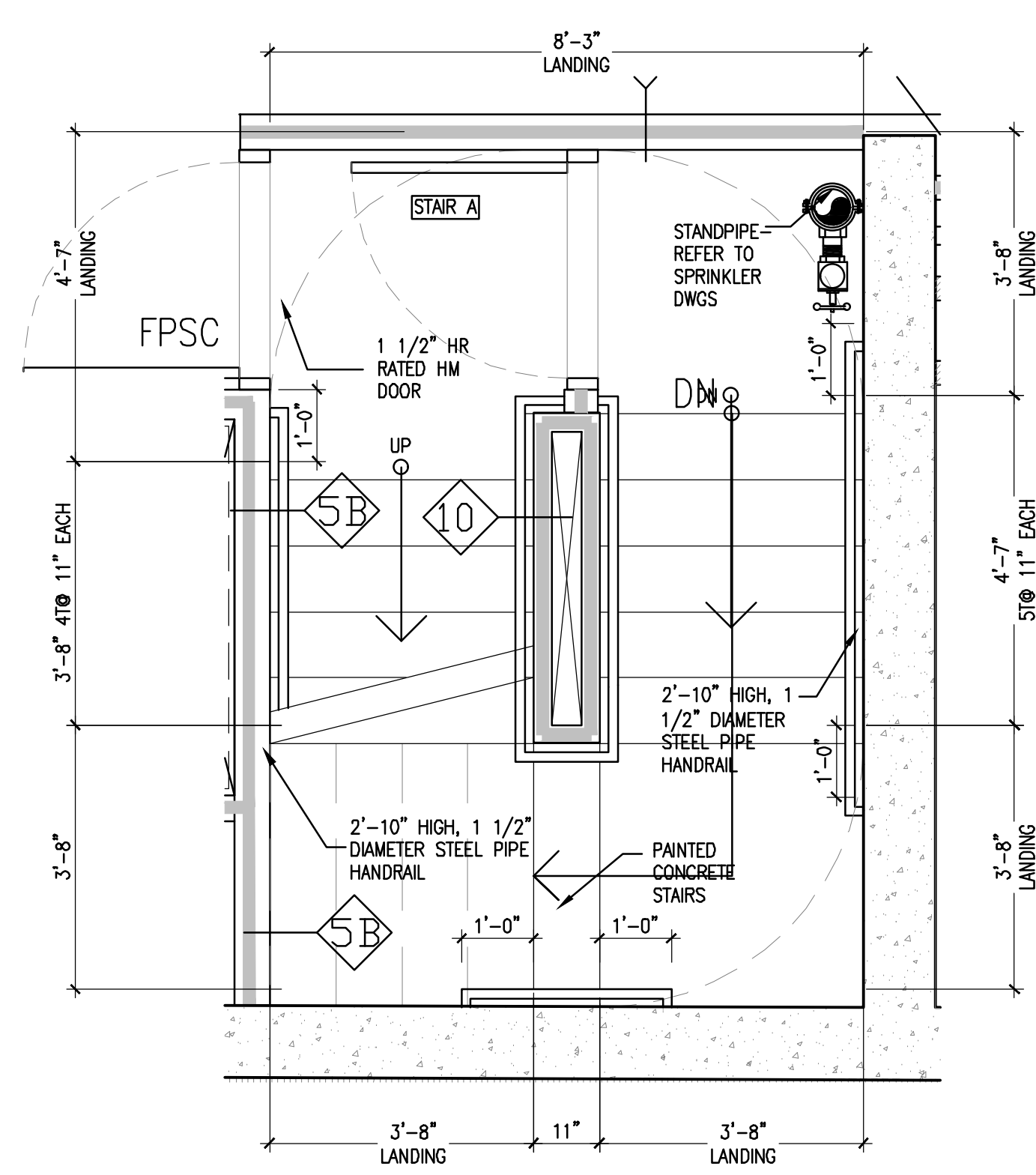


GENE KAUFMAN ARCHITECT PC
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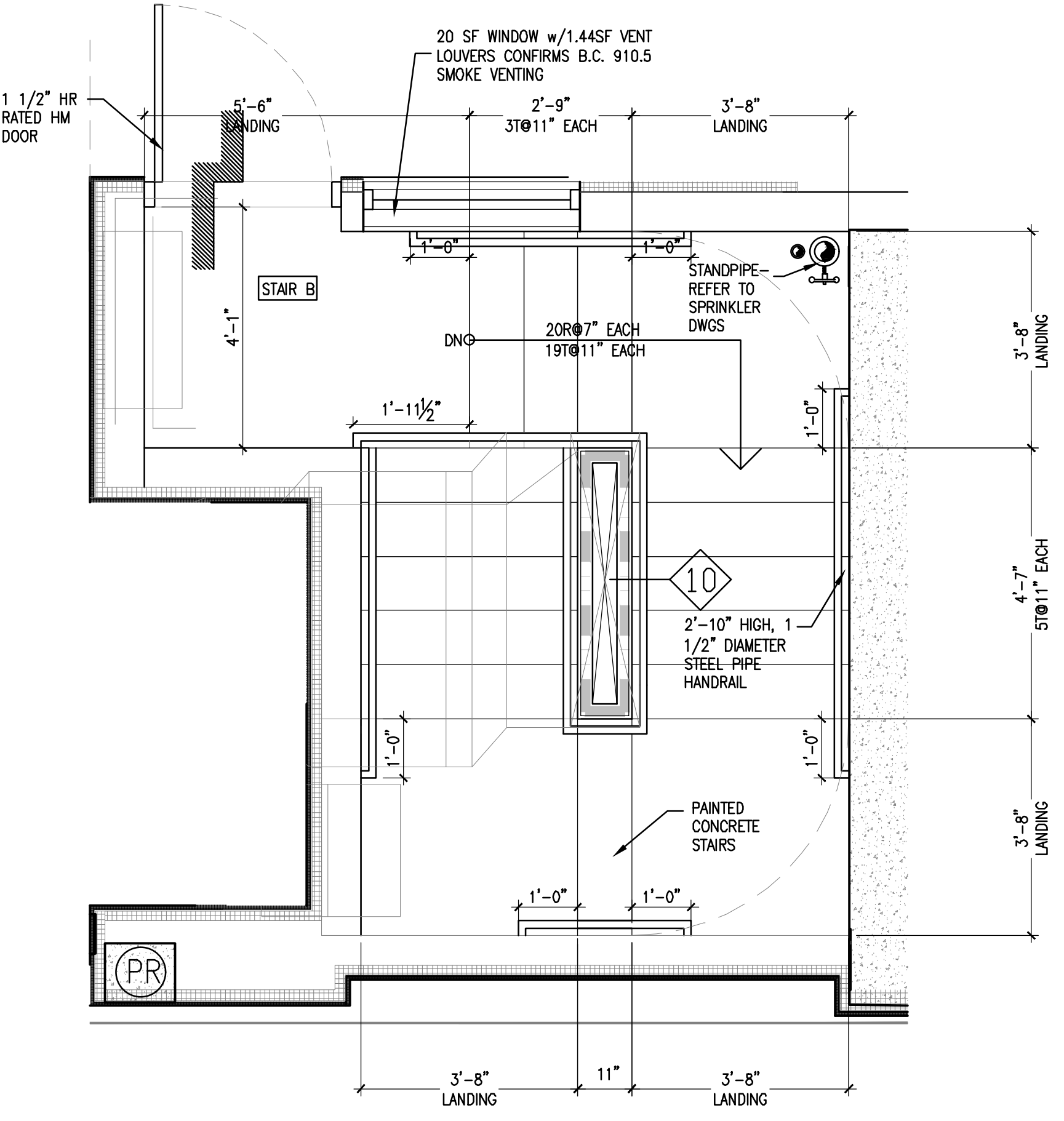
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

ENLARGED STAIR A PLANS

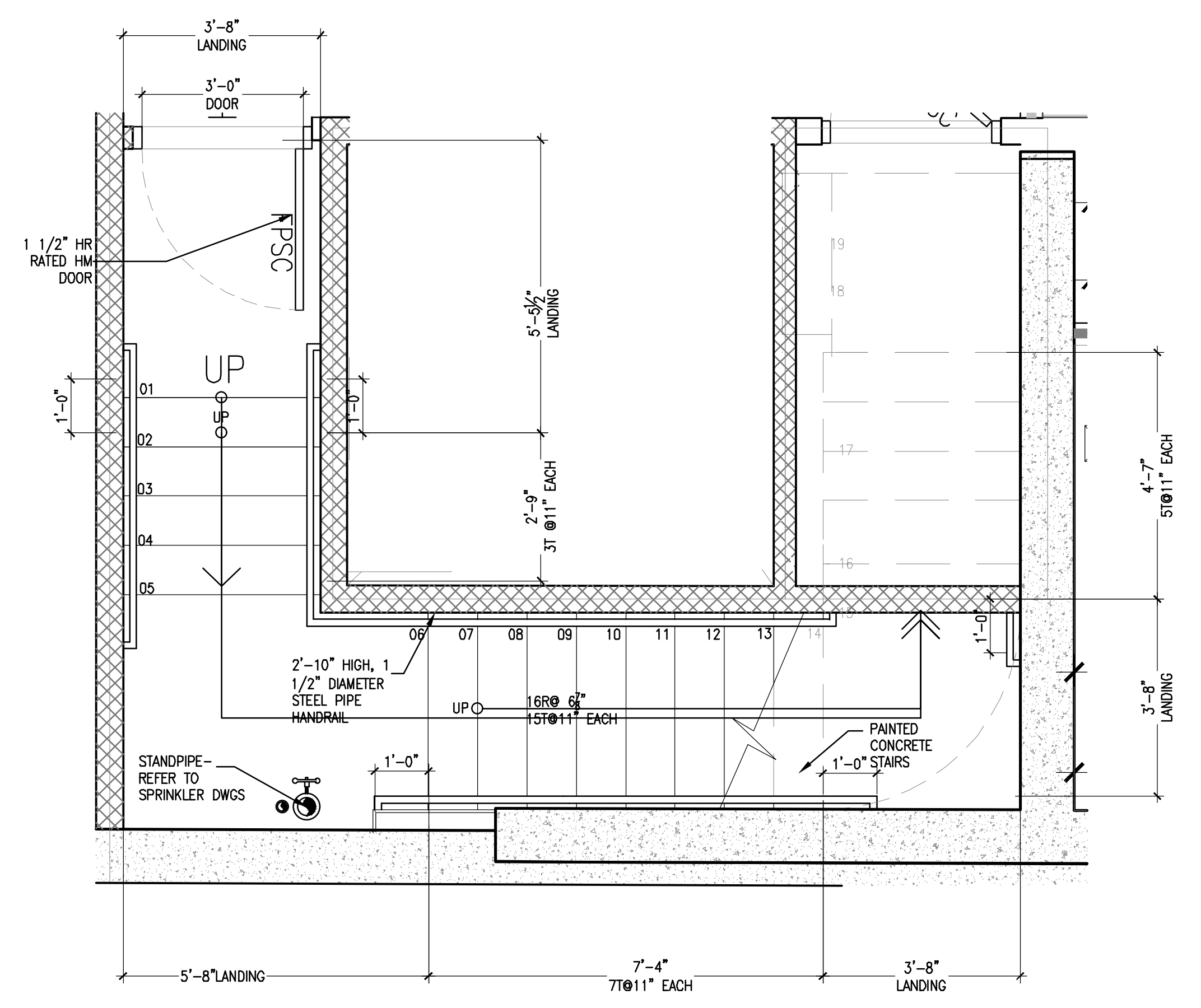
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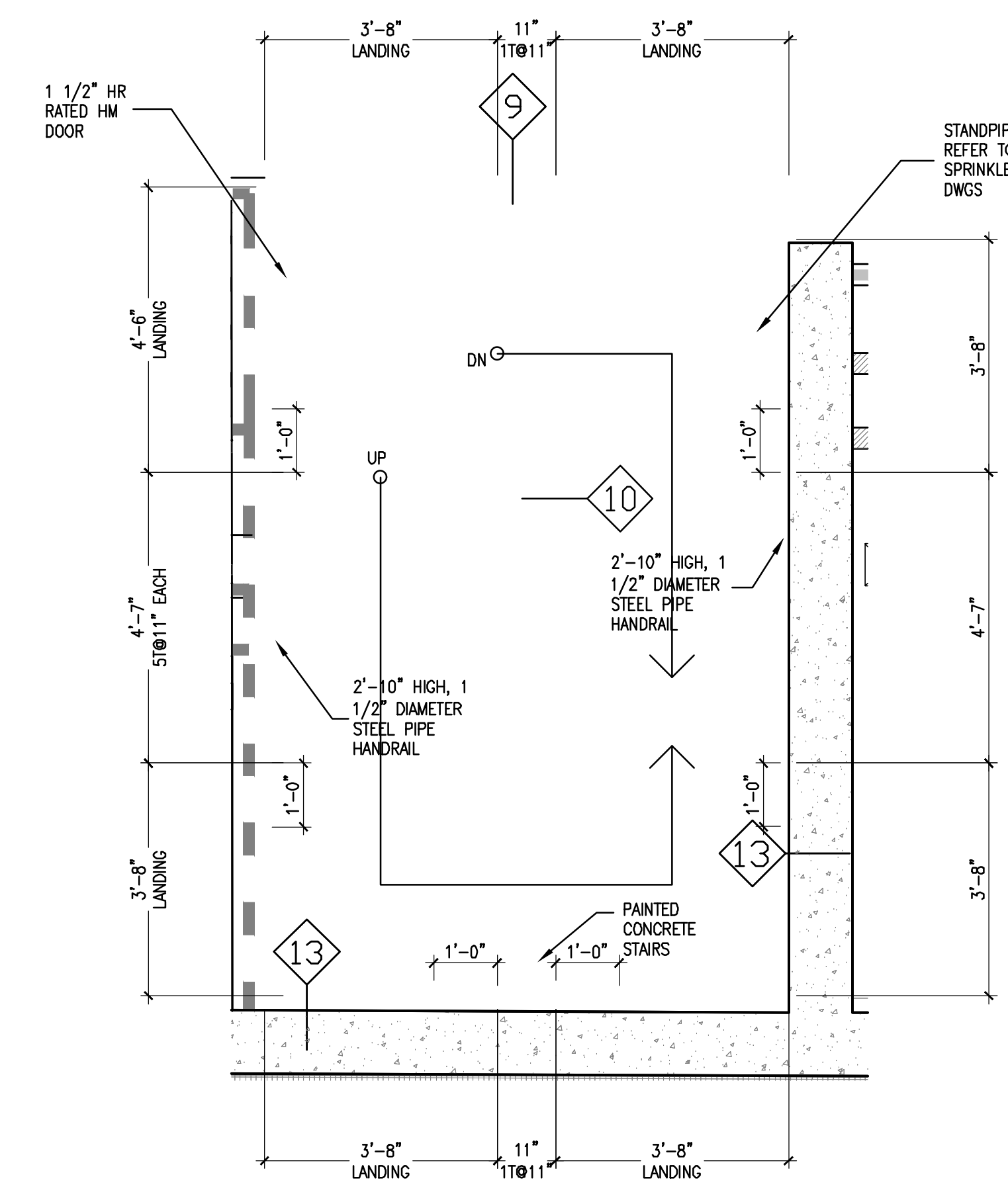
3 ENLARGED FIRST FLOOR STAIR A PLAN
 SCALE 1/2" = 1'-0"



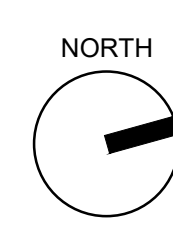
5 ENLARGED ROOF FLOOR STAIR A PLAN
 SCALE 1/2" = 1'-0"



1 ENLARGED CELLAR STAIR A PLAN
 SCALE 1/2" = 1'-0"



4 ENLARGED TYPICAL FLOOR STAIR A PLAN
 SCALE 1/2" = 1'-0"



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09	10/19/2018	ISSUED ADDENDUM #1
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ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
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 STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER


JOB NUMBER NB#321193230

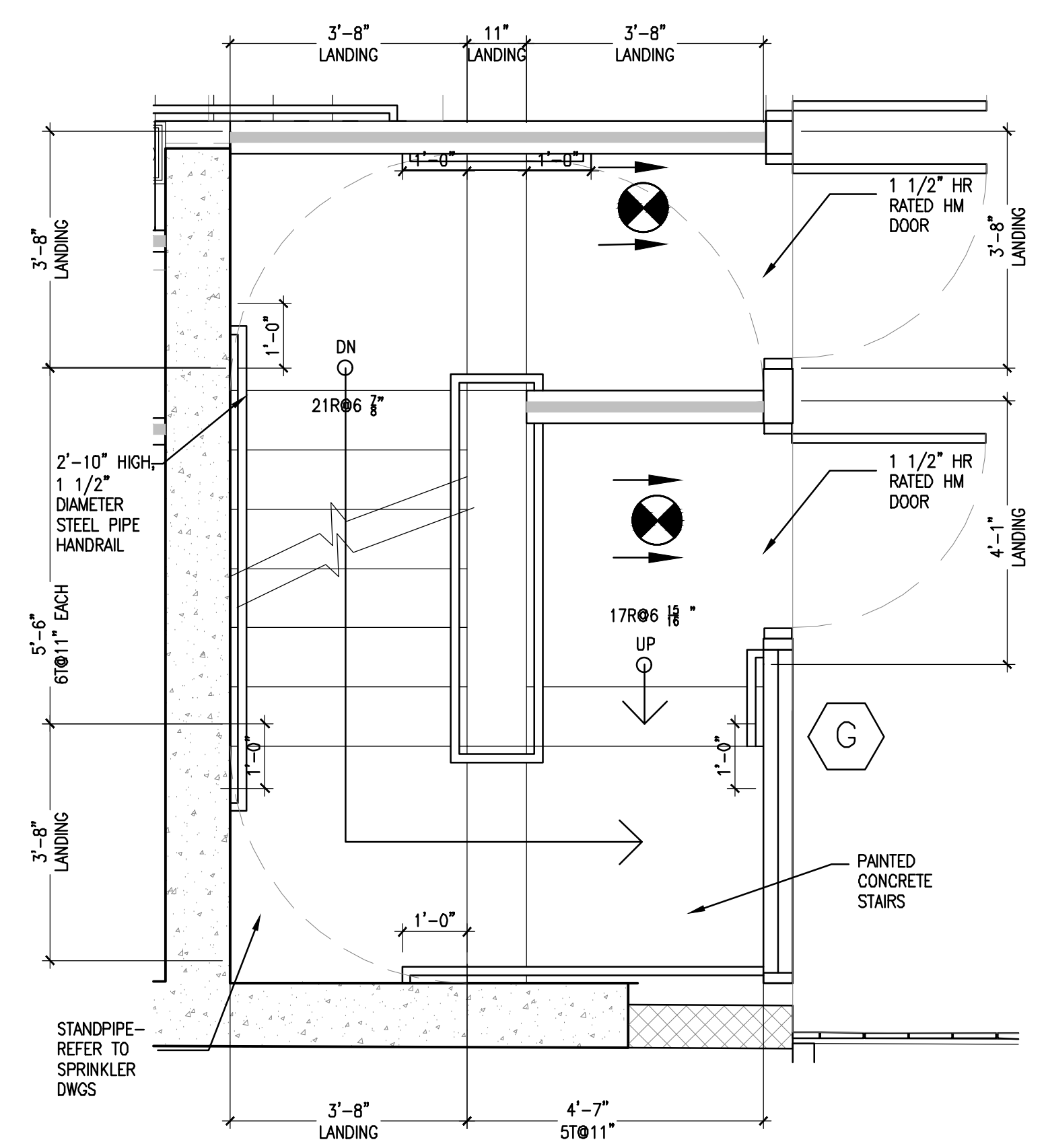
EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
 T 212 625 8700 www.gkarc.com

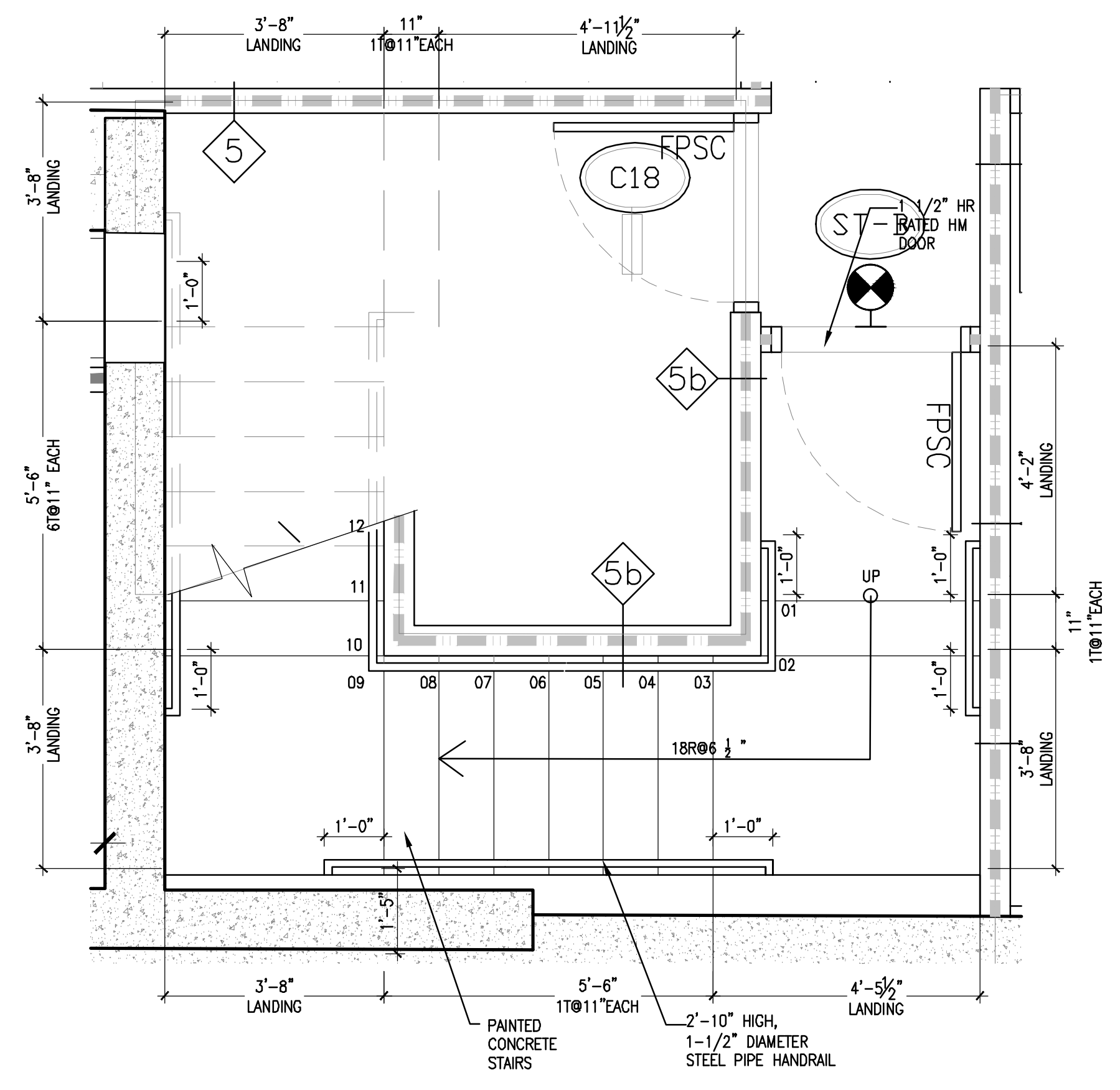
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

ENLARGED STAIR B PLANS

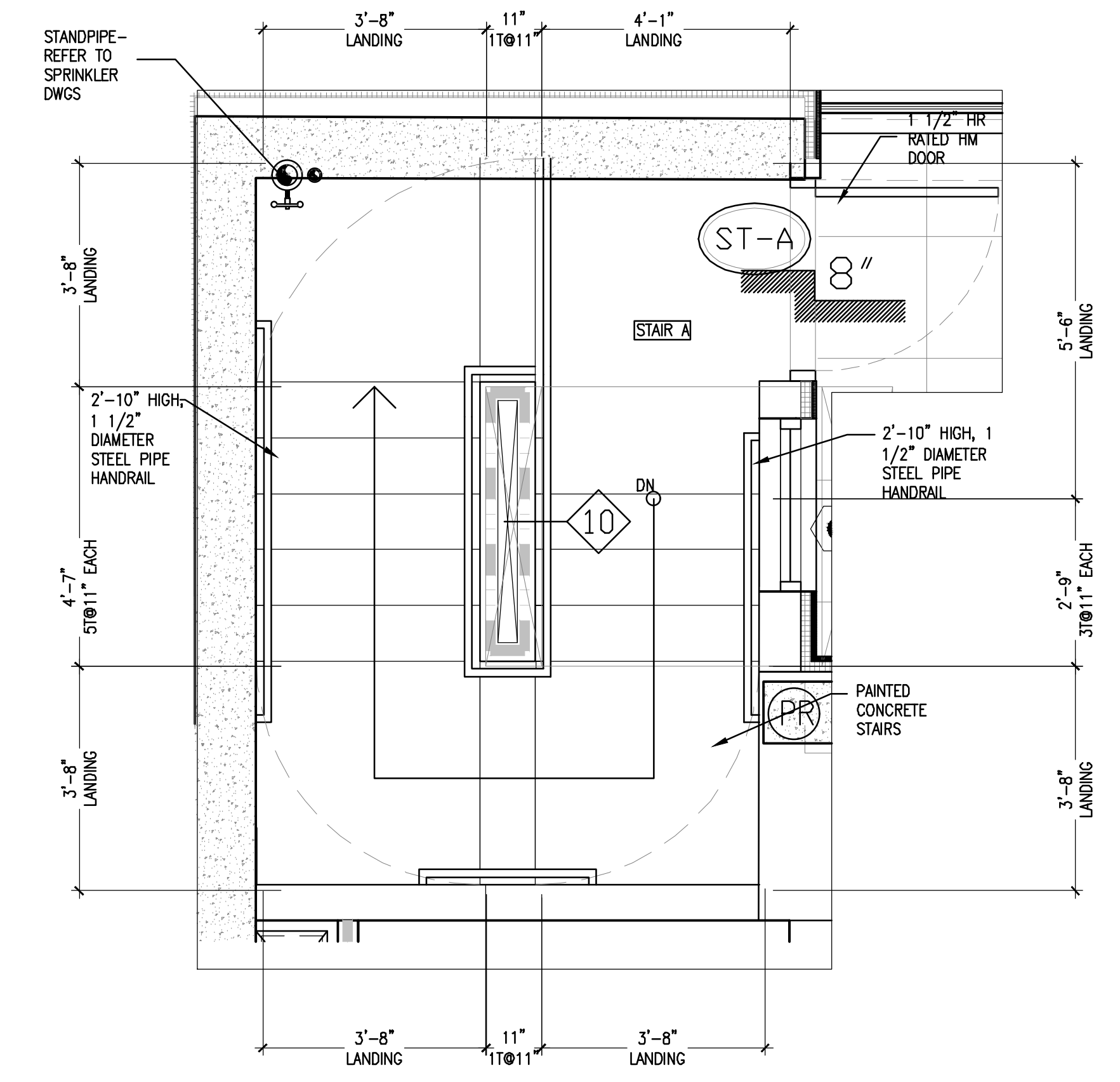
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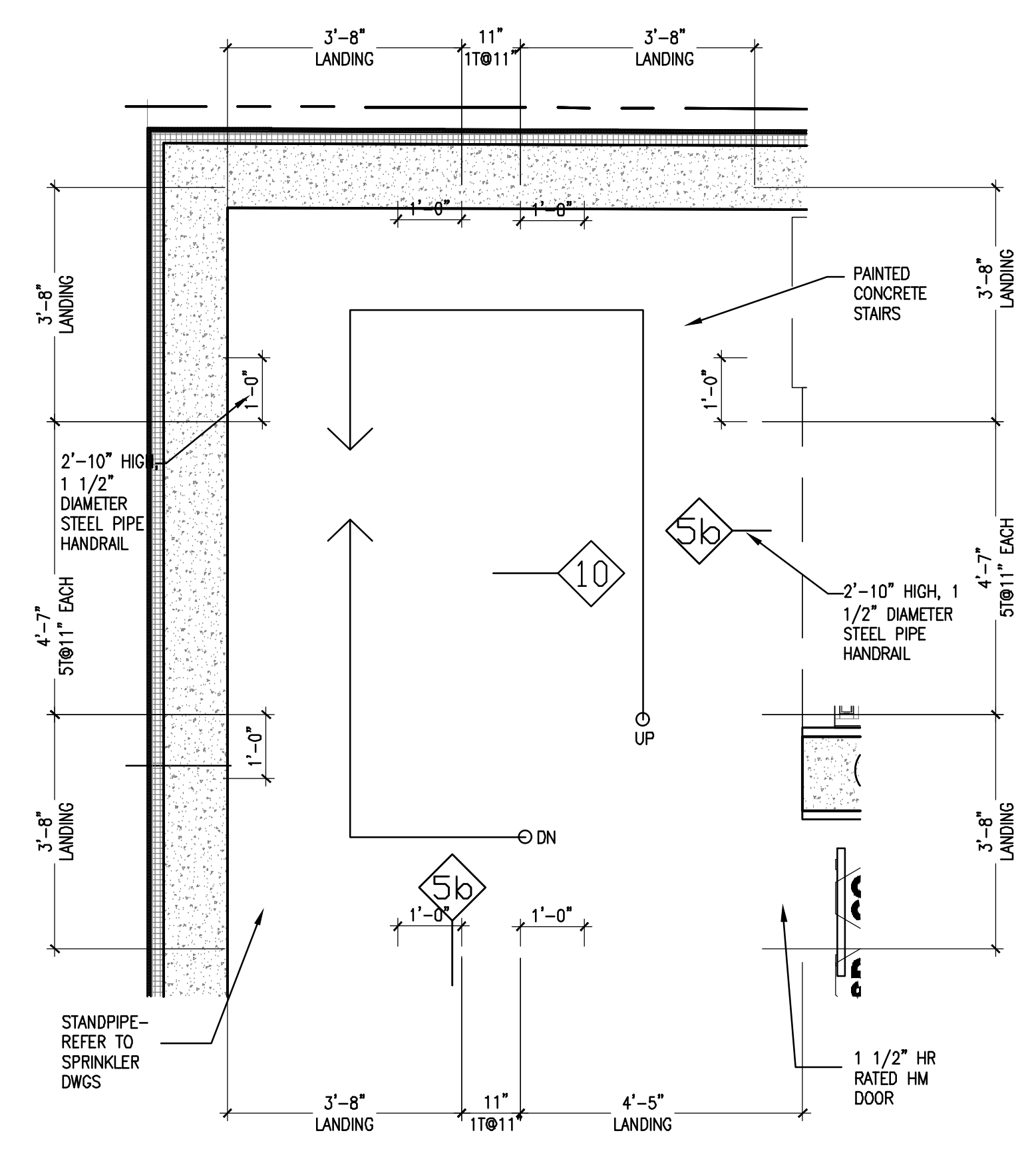
2 ENLARGED FIRST FLOOR STAIR B PLAN
 SCALE 1/2" = 1'-0"



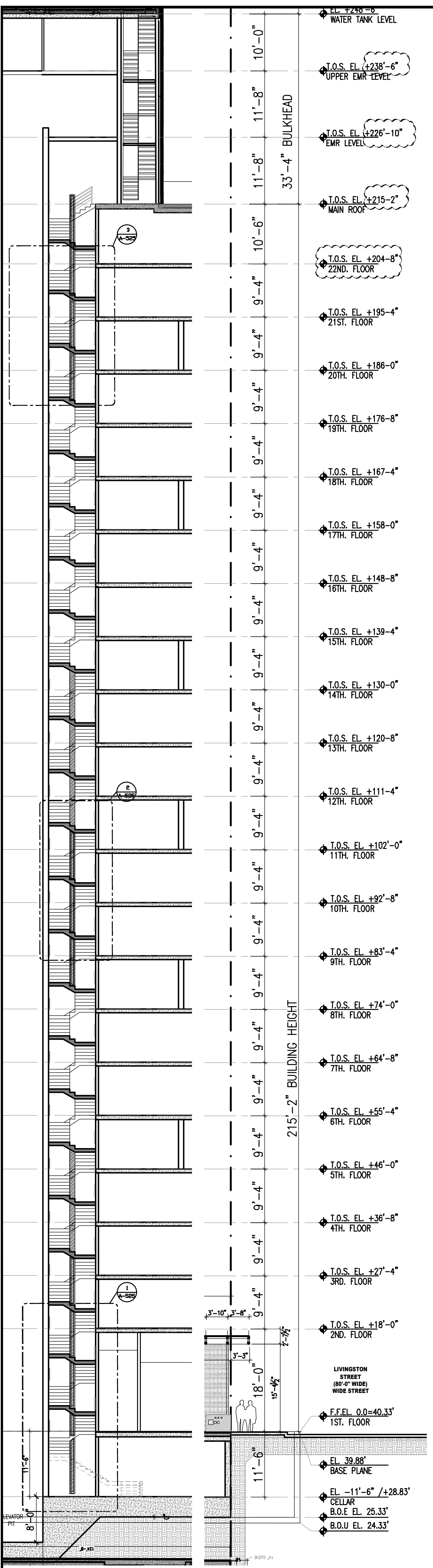
1 ENLARGED CELLAR STAIR B PLAN
 SCALE 1/2" = 1'-0"



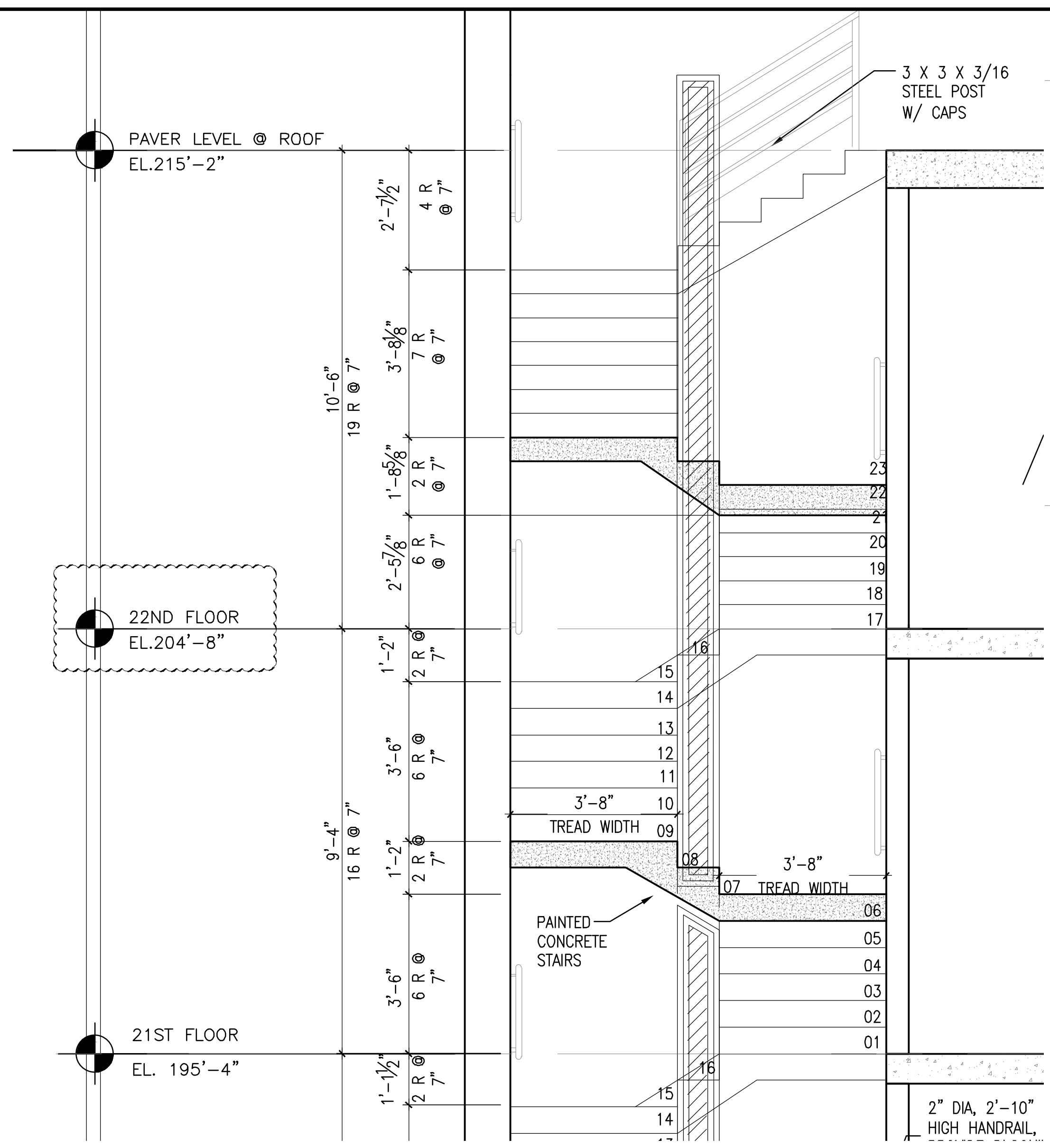
4 ENLARGED ROOF FLOOR STAIR B PLAN
 SCALE 1/2" = 1'-0"



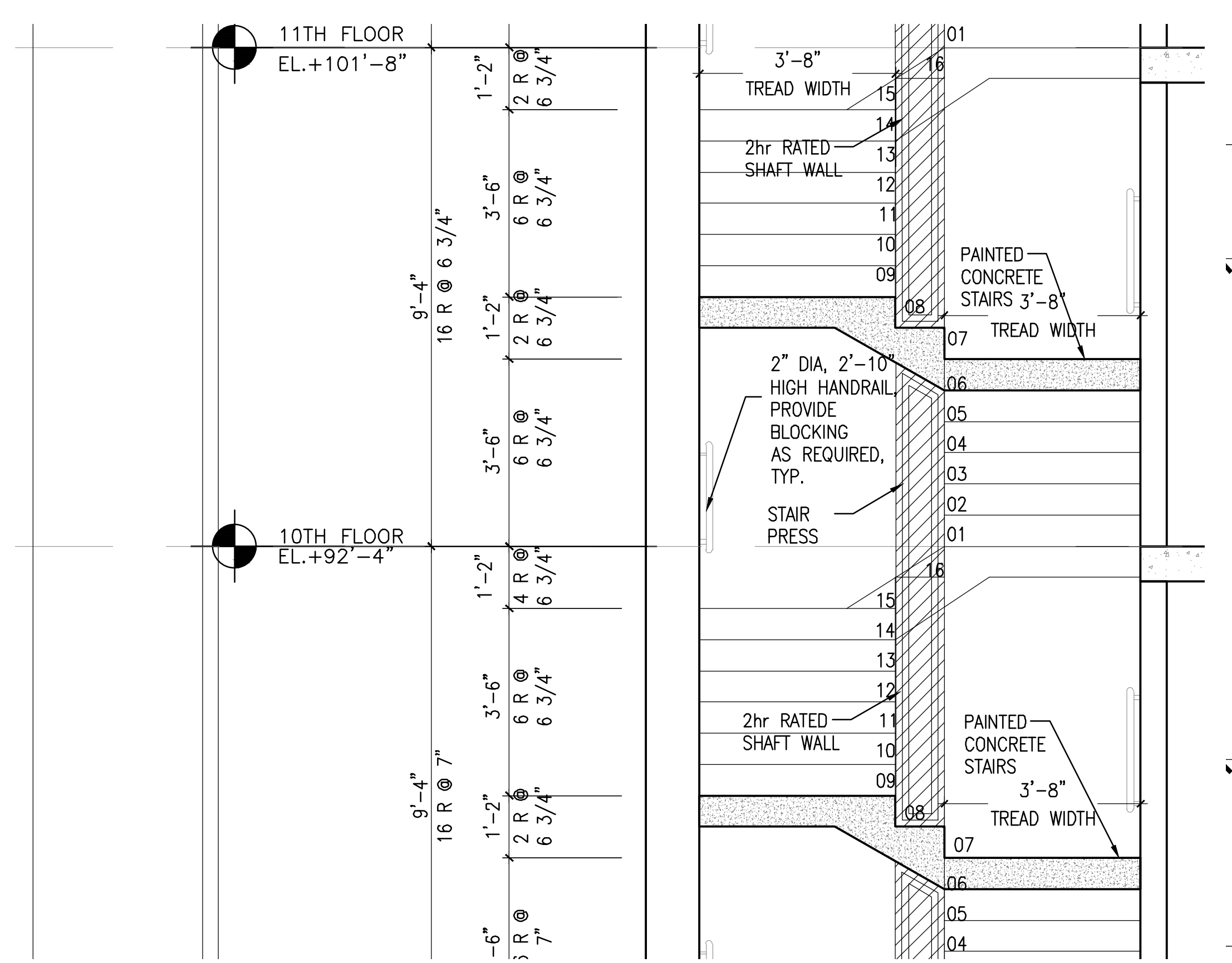
3 ENLARGED TYPICAL FLOOR STAIR B PLAN
 SCALE 1/2" = 1'-0"



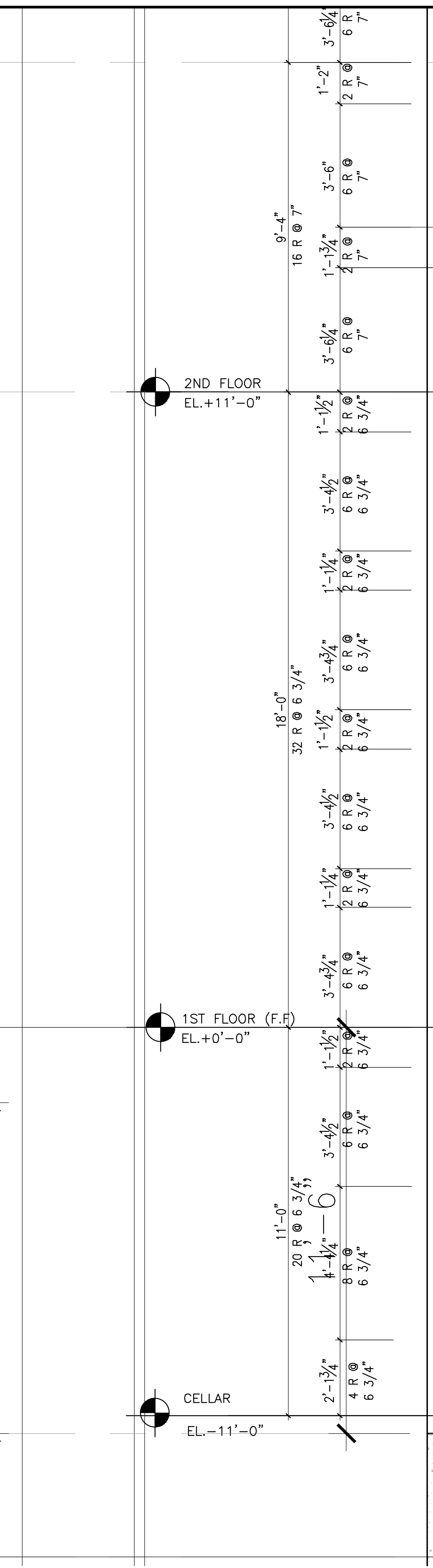
1 STAIR A SECTION
3/8" = 1'-0"



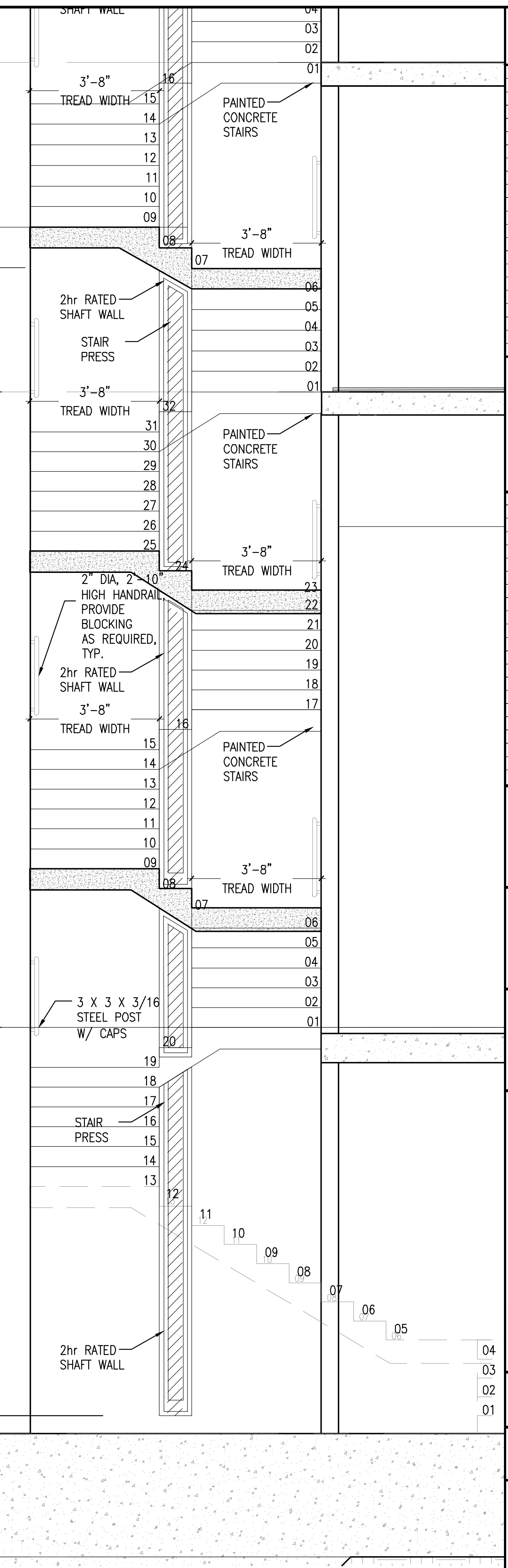
2 ENLARGE STAIR A SECTION (TYPICAL FLOOR)
1/2" = 1'-0"



3 ENLARGE STAIR A SECTION (ROOF)
1/2" = 1'-0"



1 ENLARGE STAIR A SECTION (CELLAR)
1/2" = 1'-0"



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ISSUED DRAWINGS

DATE	DESCRIPTION
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09	08/28/2018 ISSUED TO DOB
10	10/19/2018 ISSUED ADDENDUM #1

GENE KAUFMAN ARCHITECT PC
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STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

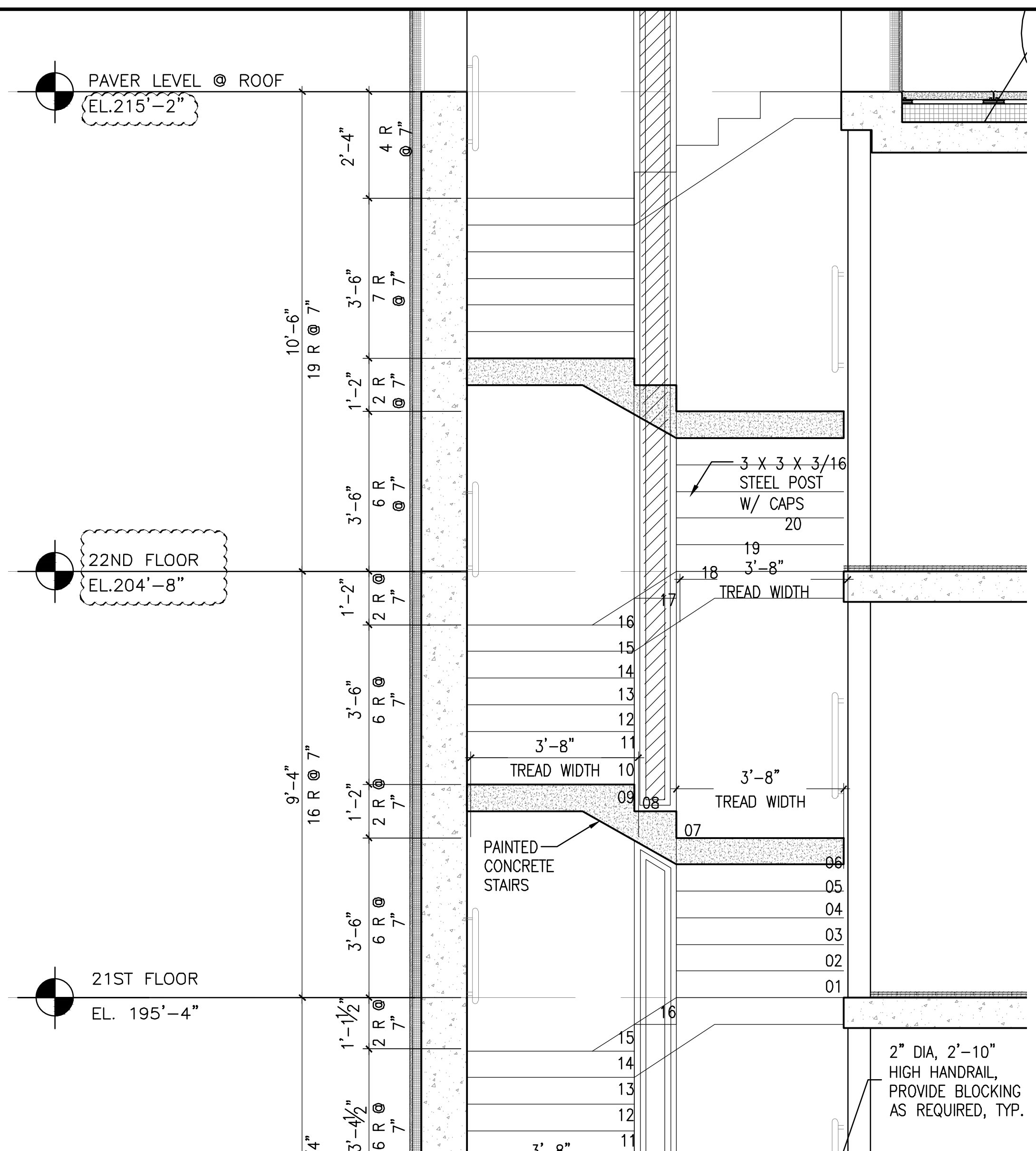
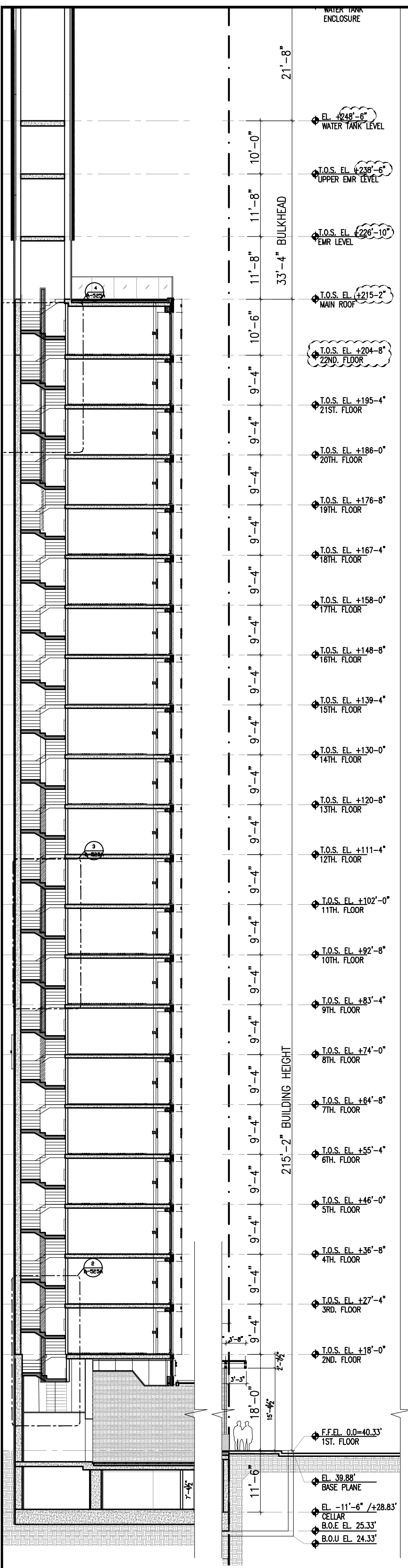
EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
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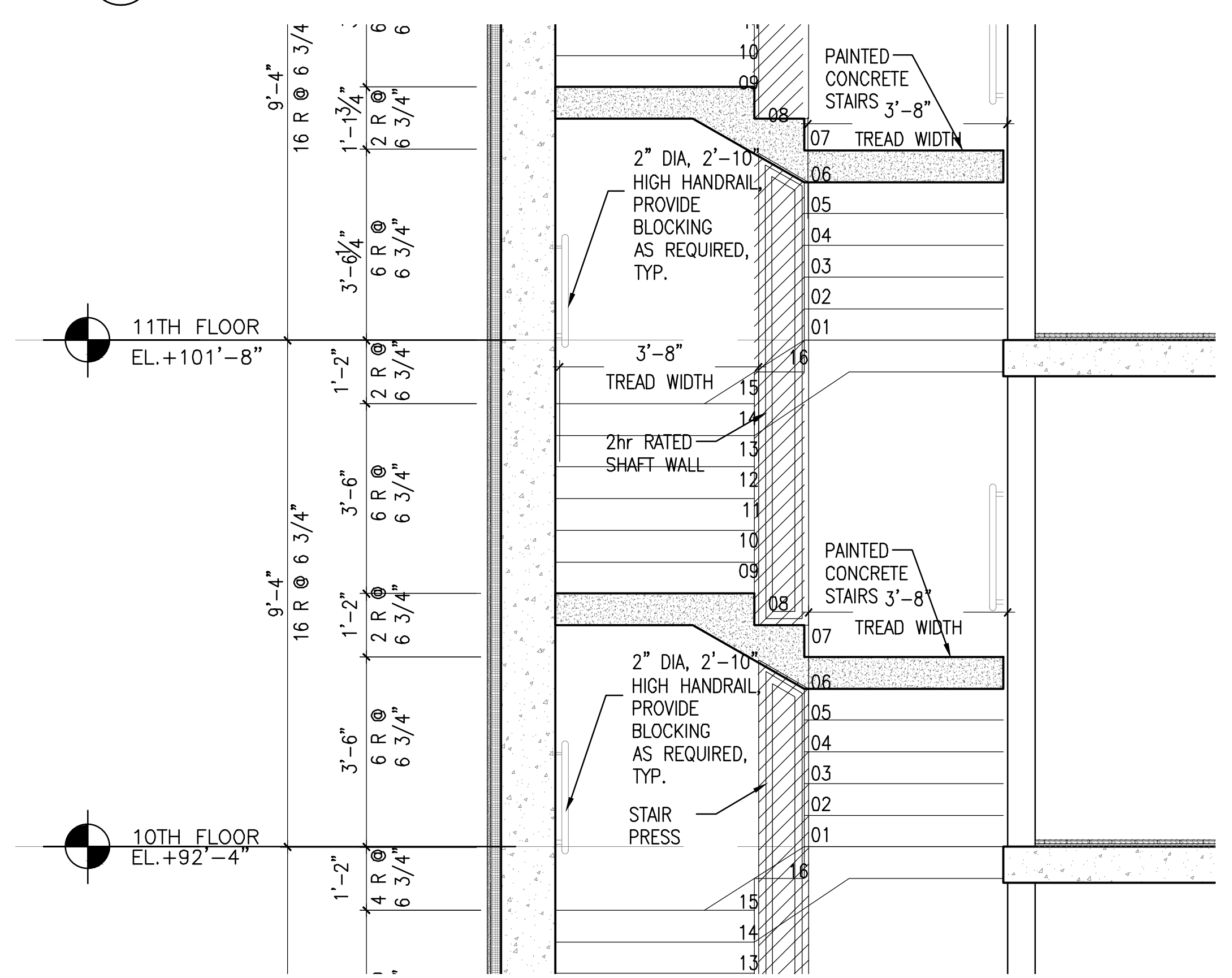
291 LIVINGSTON STREET
BROOKLYN, NY 11217

ENLARGED STAIR A SECTIONS

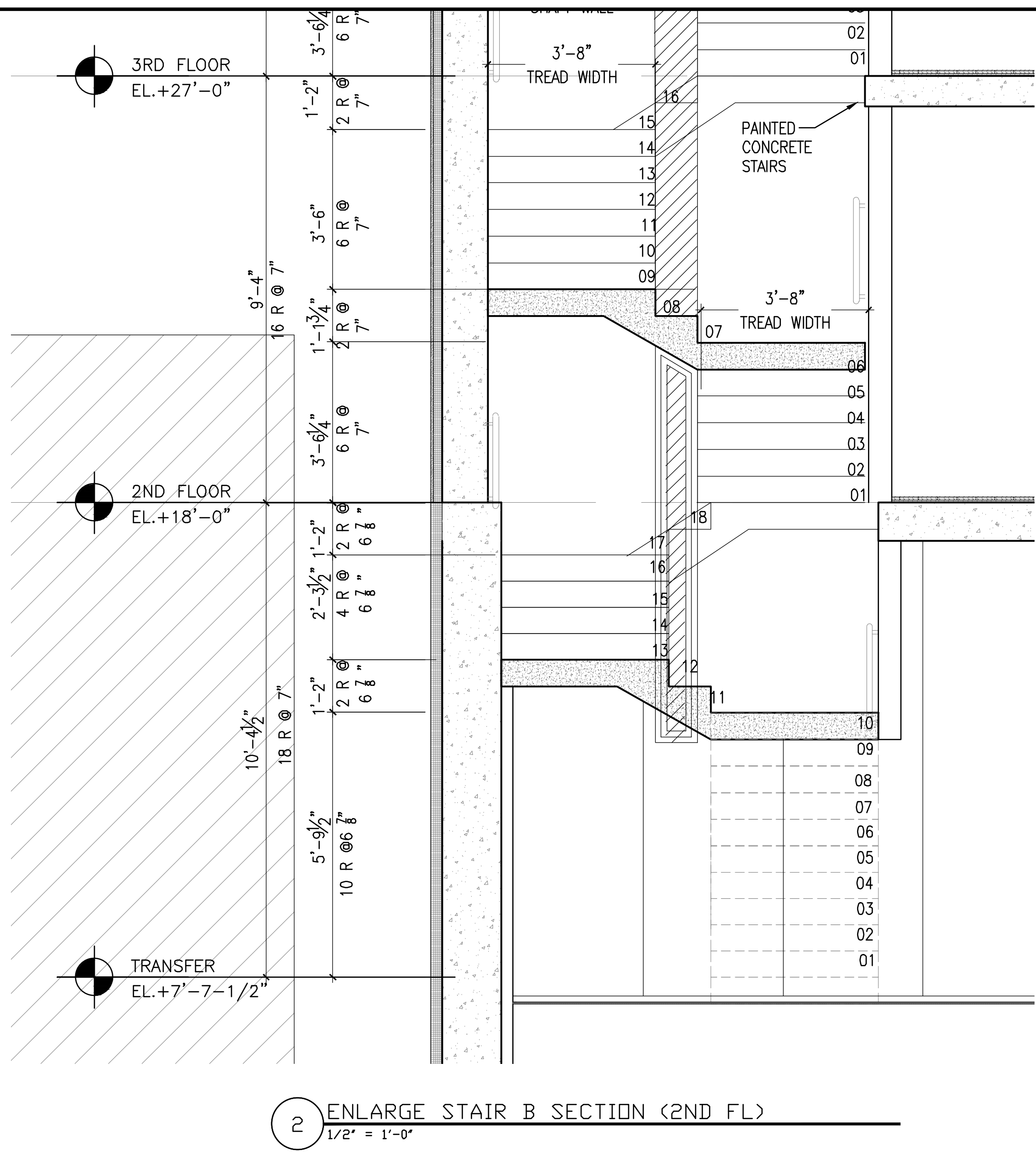
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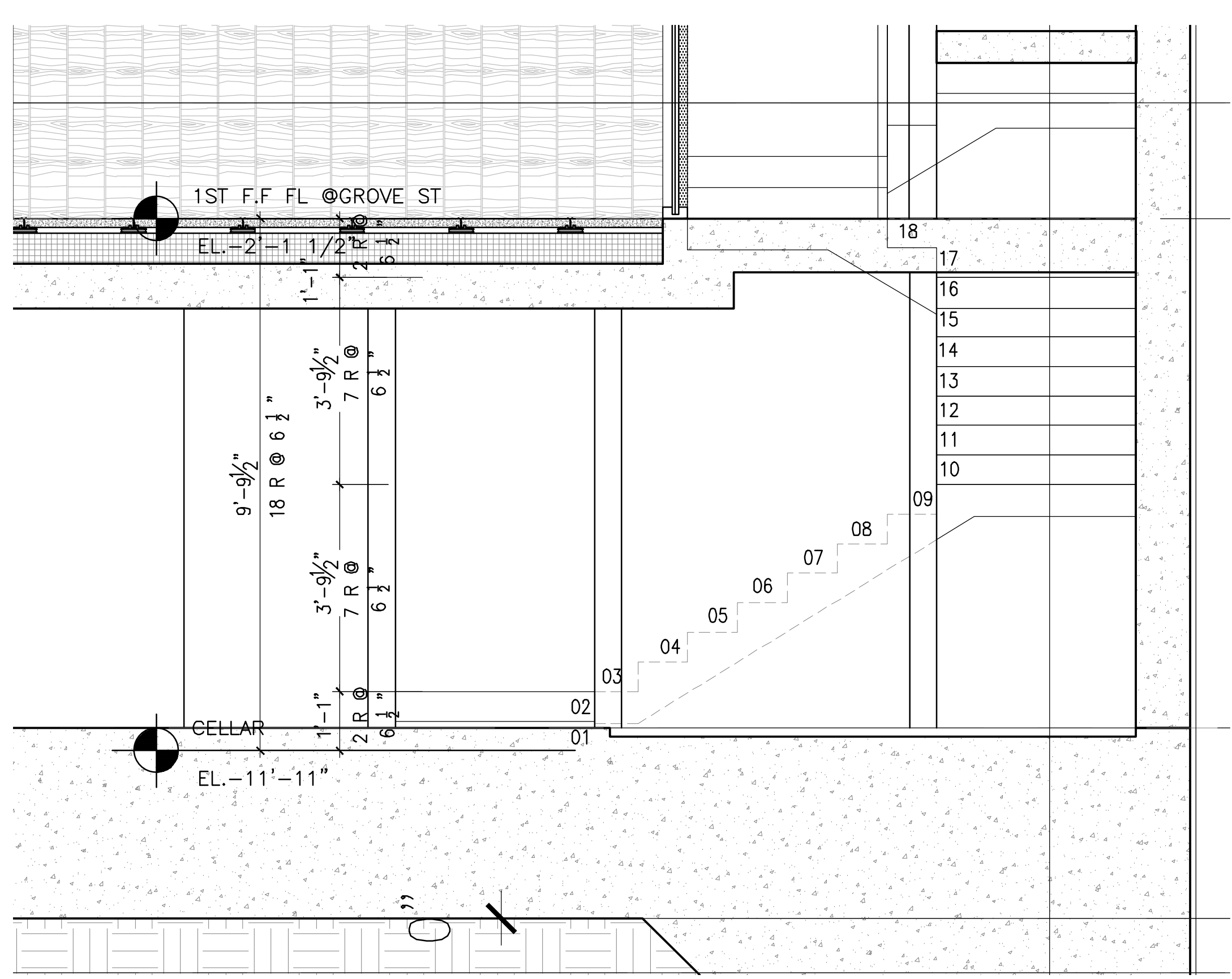
4 ENLARGE STAIR B SECTION (ROOF)
1/4" = 1'-0"



3 ENLARGE STAIR B SECTION (TYPICAL FLOOR)
1/4" = 1'-0"



2 ENLARGE STAIR B SECTION (CELLAR)
1/2" = 1'-0"



1 ENLARGE STAIR B SECTION (TYPICAL FLOOR)
1/2" = 1'-0"

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10	10/19/2018 ISSUED ADDENDUM #1
11	01/11/2019 PAA ISSUED TO DOB

ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER


JOB NUMBER NB#321193230

EXAMINER SEAL

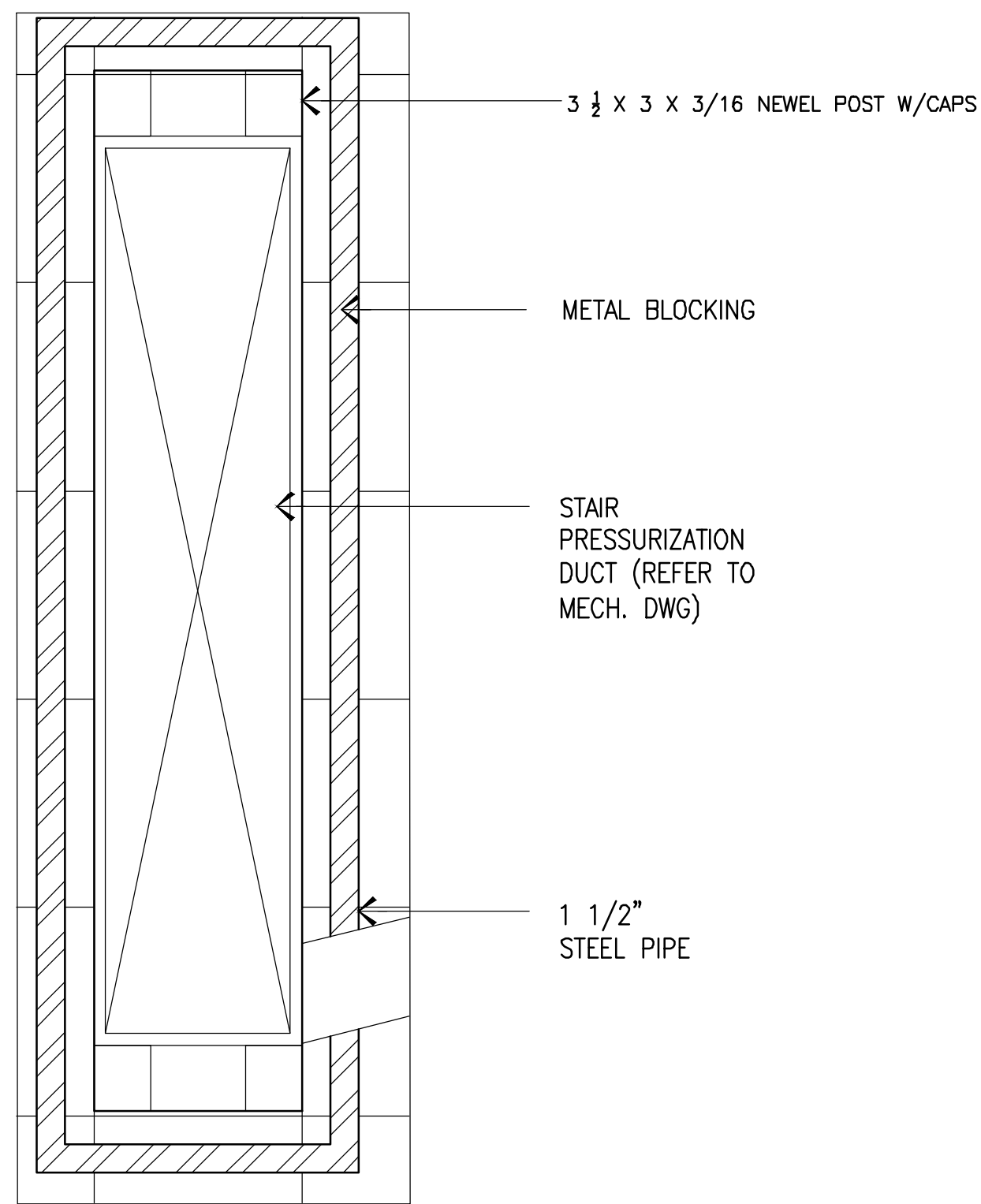
GENE KAUFMAN ARCHITECT PC
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BROOKLYN, NY 11217

ENLARGED STAIR B SECTIONS

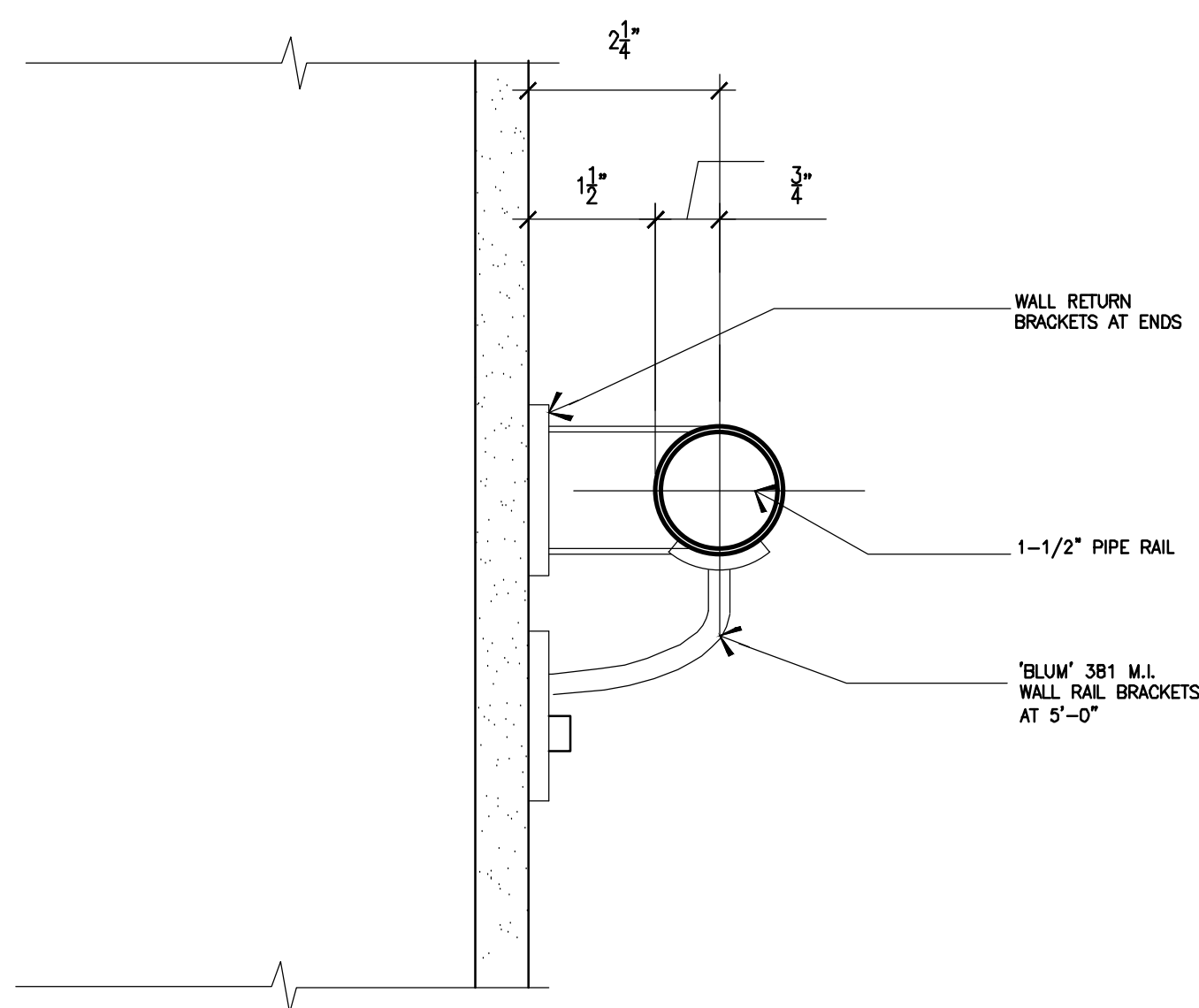
SEAL & SIGNATURE	DATE: 5/11/2017
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5 STAIR B SECTION
3/8" = 1'-0"

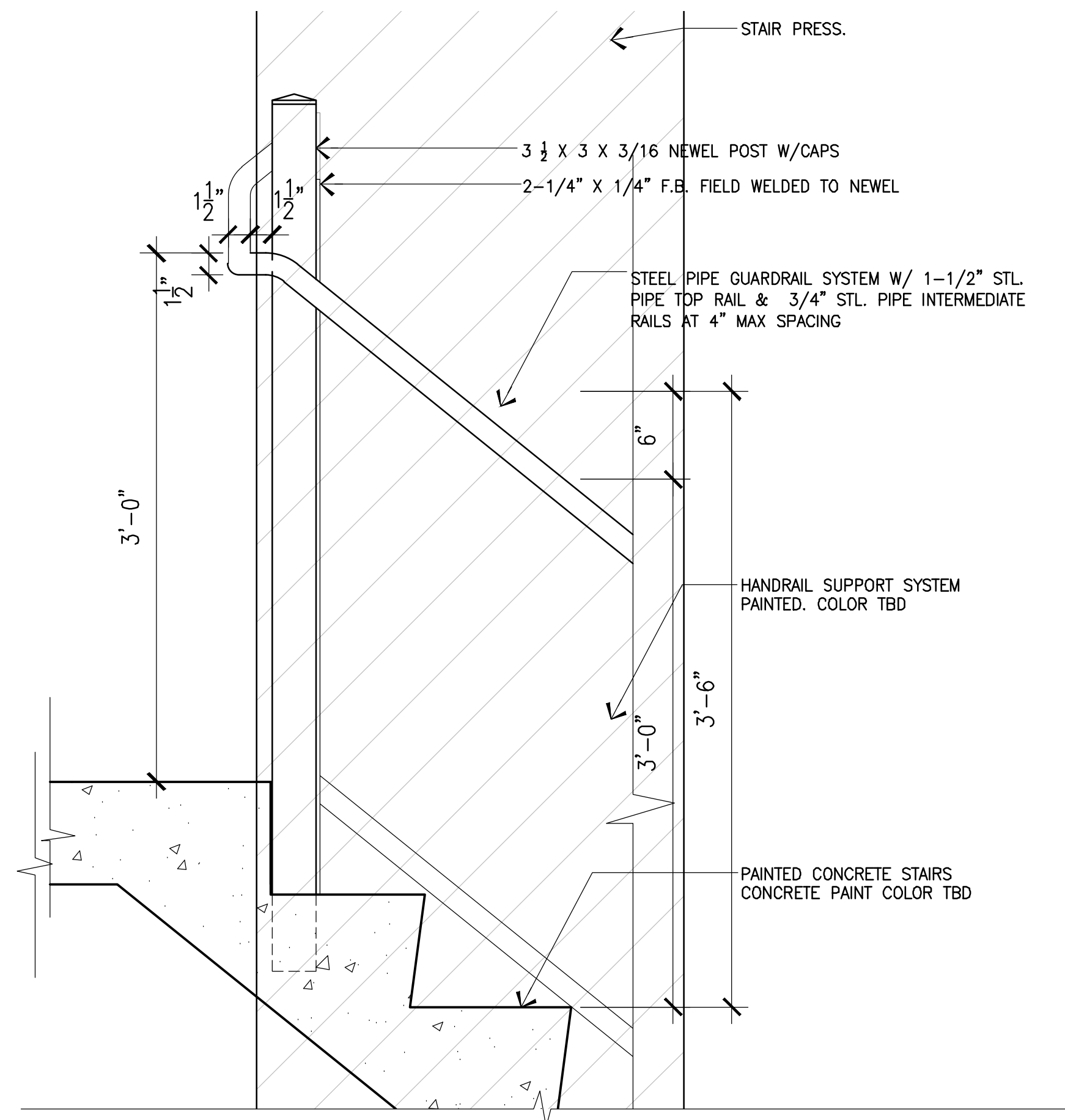


4 TYPICAL STAIR PRESSURIZATION PLAN DETAIL
1 1/2" = 1'-0"

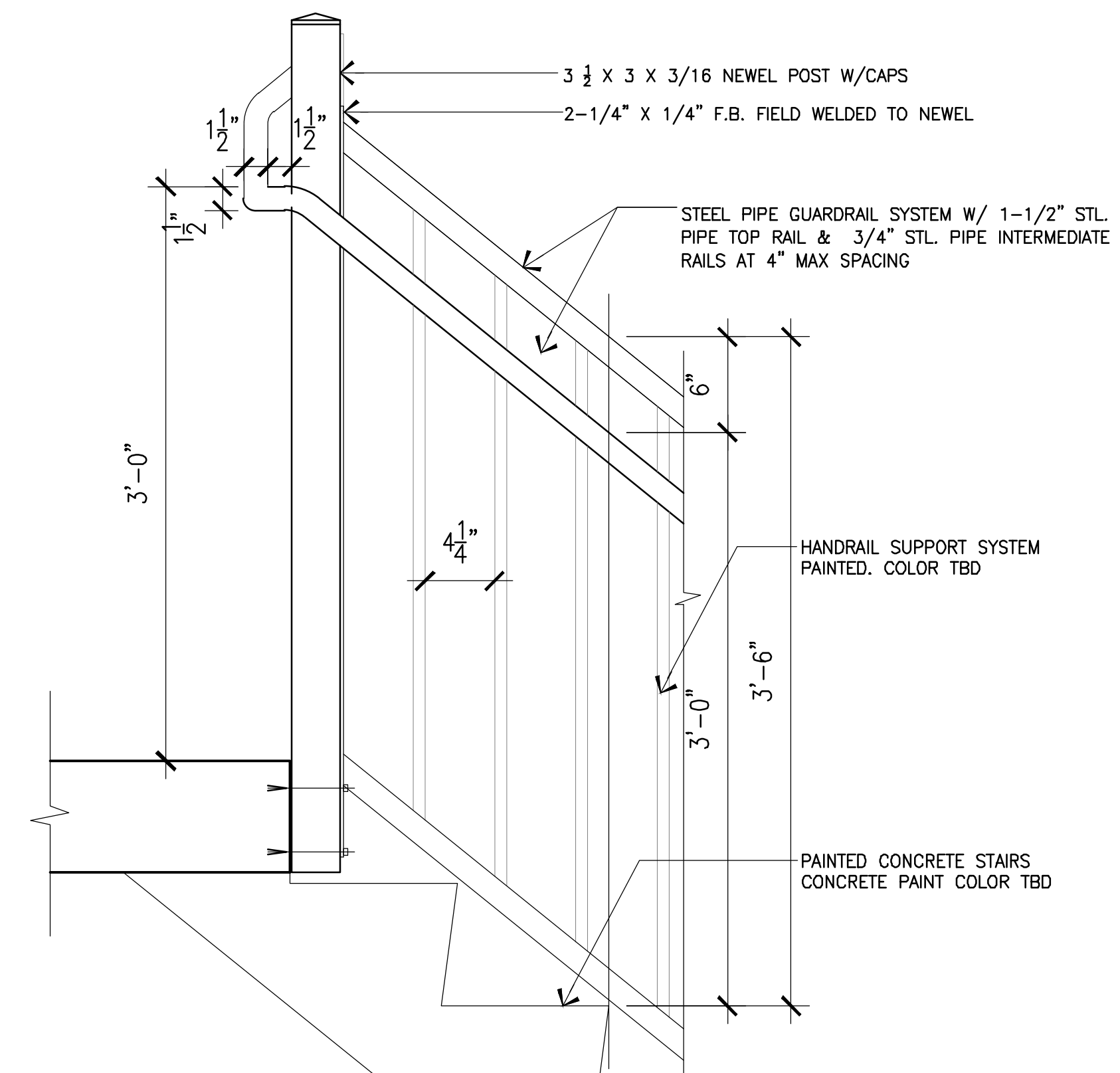
NOTE:
PROVIDE AS PER CODE SECTIONS 1026 & 403.16
FOR SIGNAGE & EXIT PATH MARKING REQUIREMENTS



1 TYP. HANDRAIL TO WALL ATTACHMENT
6" = 1'-0"



2 STAIRS HANDRAIL DET. & DIMS.
1 1/2" = 1'-0"



3 STAIRS A&B HANDRAIL DET. & DIMS.
1 1/2" = 1'-0"

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01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

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291 LIVINGSTON STREET
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BUILDING STAIRS DETAILS (handrail & guardrail)

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: 3/32" = 1'-0"
	DRAWING NUMBER: A-526.00
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THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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10	10/19/2018	ISSUED ADDENDUM #1
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ISSUED DRAWINGS



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STRUCTURAL ENGINEER

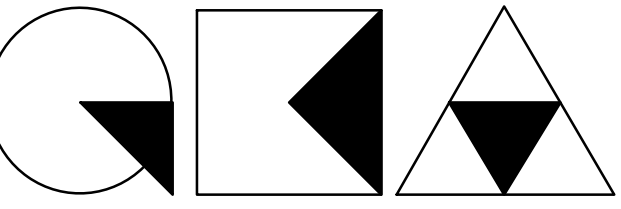


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MEP ENGINEER

JOB NUMBER NB#321193230

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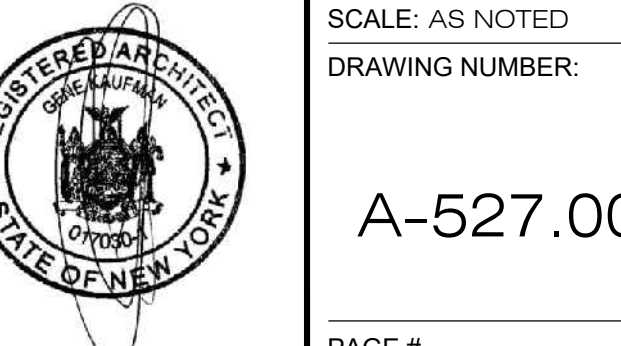
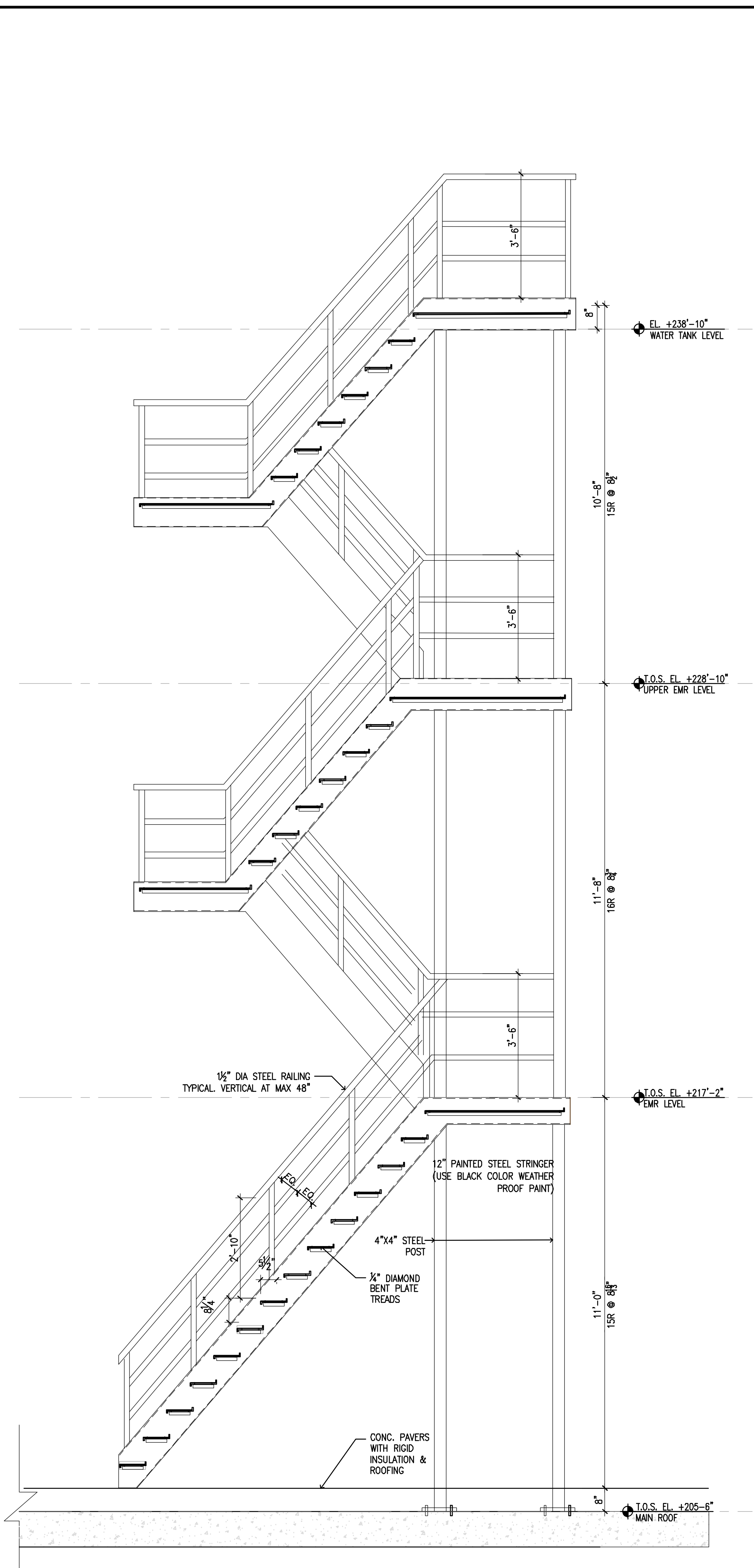


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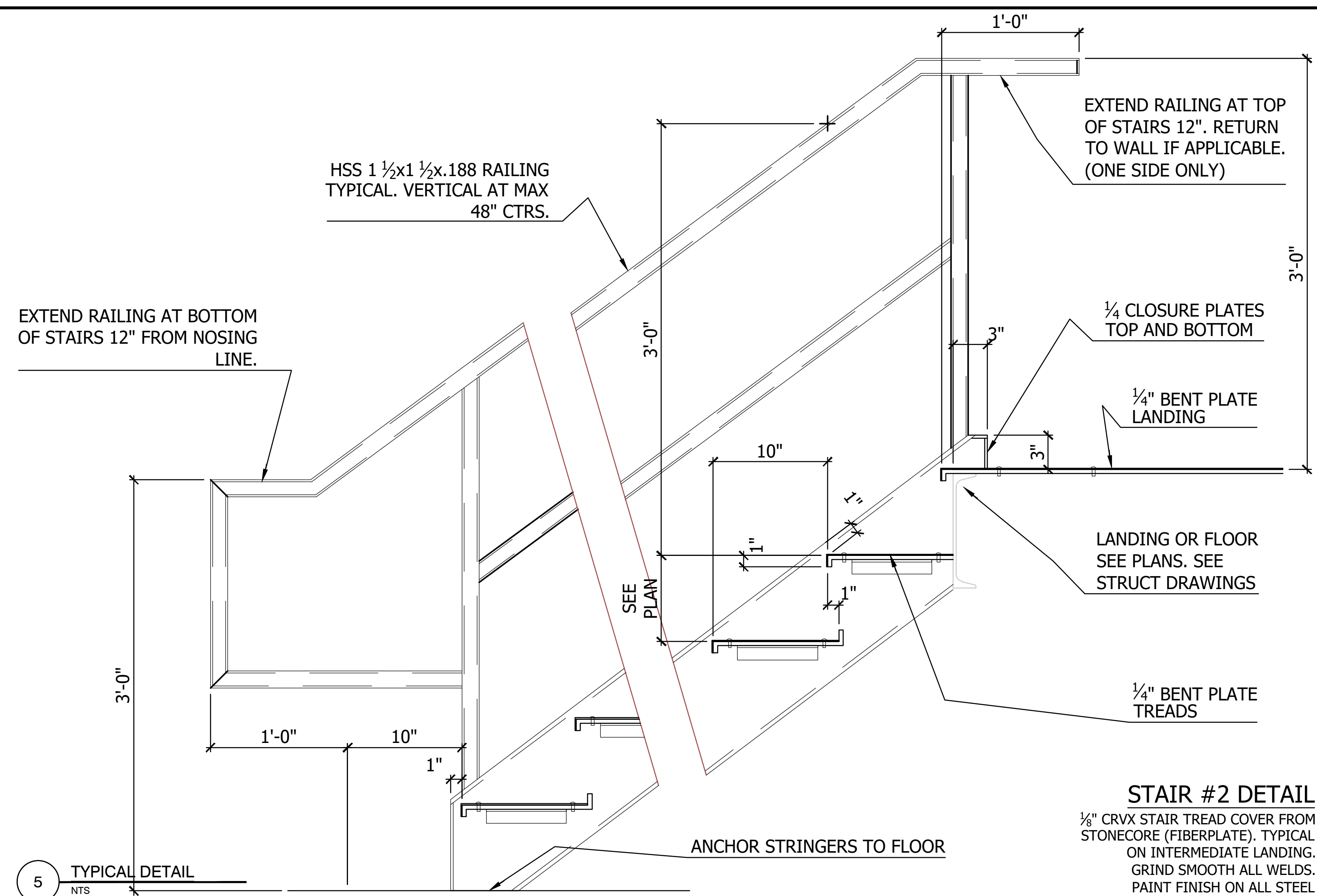
291 LIVINGSTON STREET
BROOKLYN, NY 11217

ROOF STAIR PLAN & SECTION

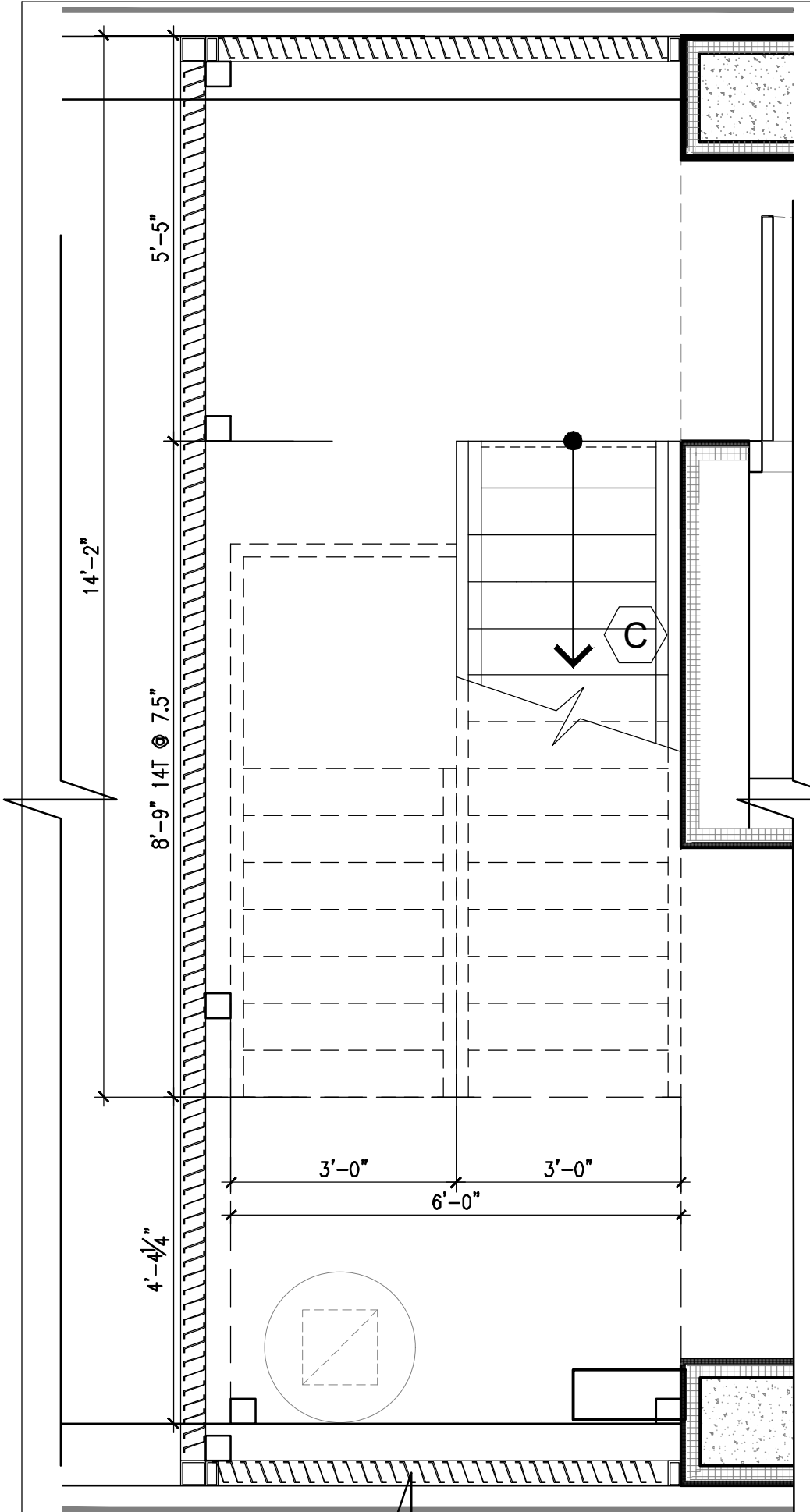
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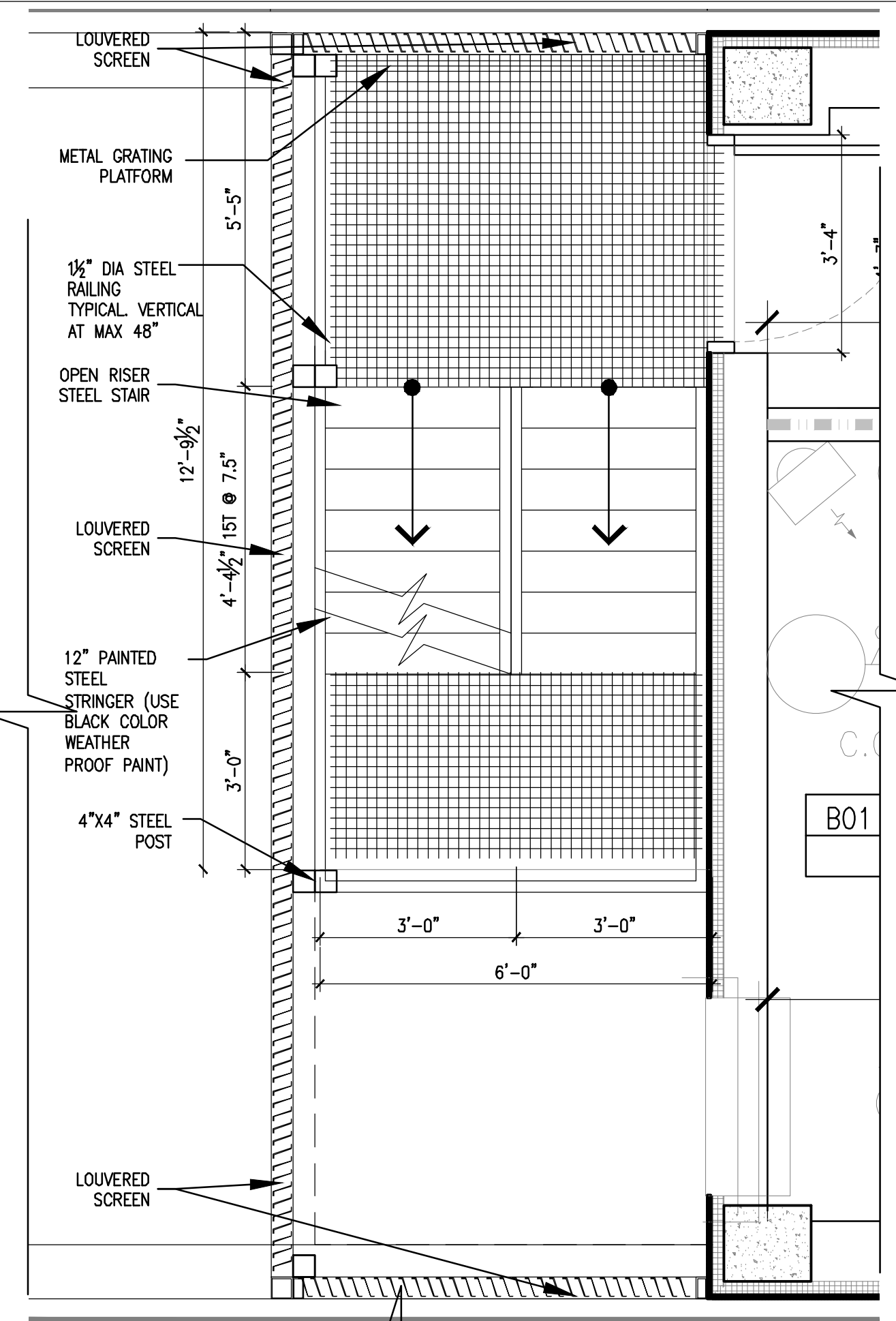
3 STAIR D SECTION
1/2" = 1'-0"



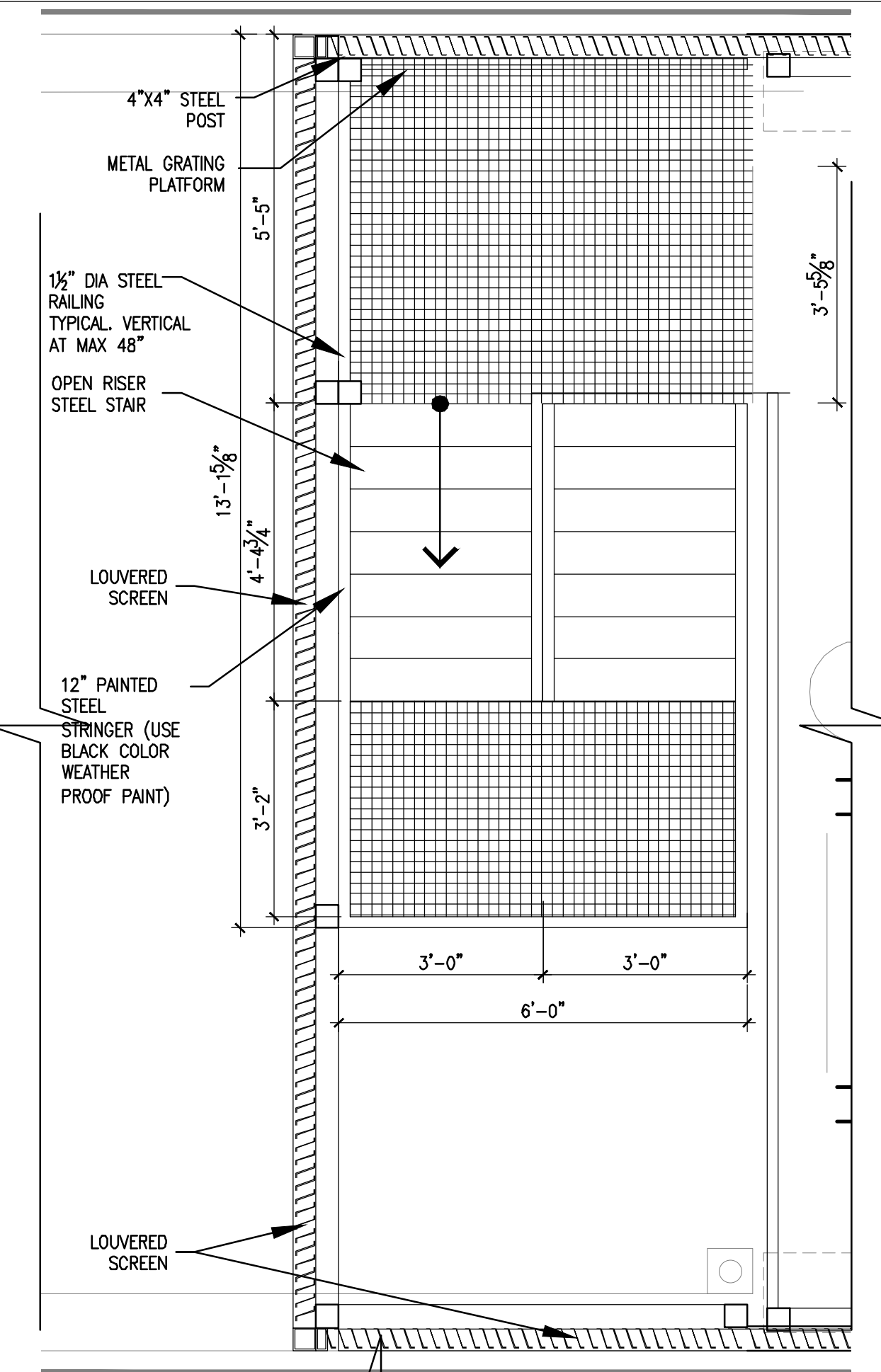
5 TYPICAL DETAIL
NTS



2 ENLARGED STAIR PLAN AT ROOF
1/2" = 1'-0"



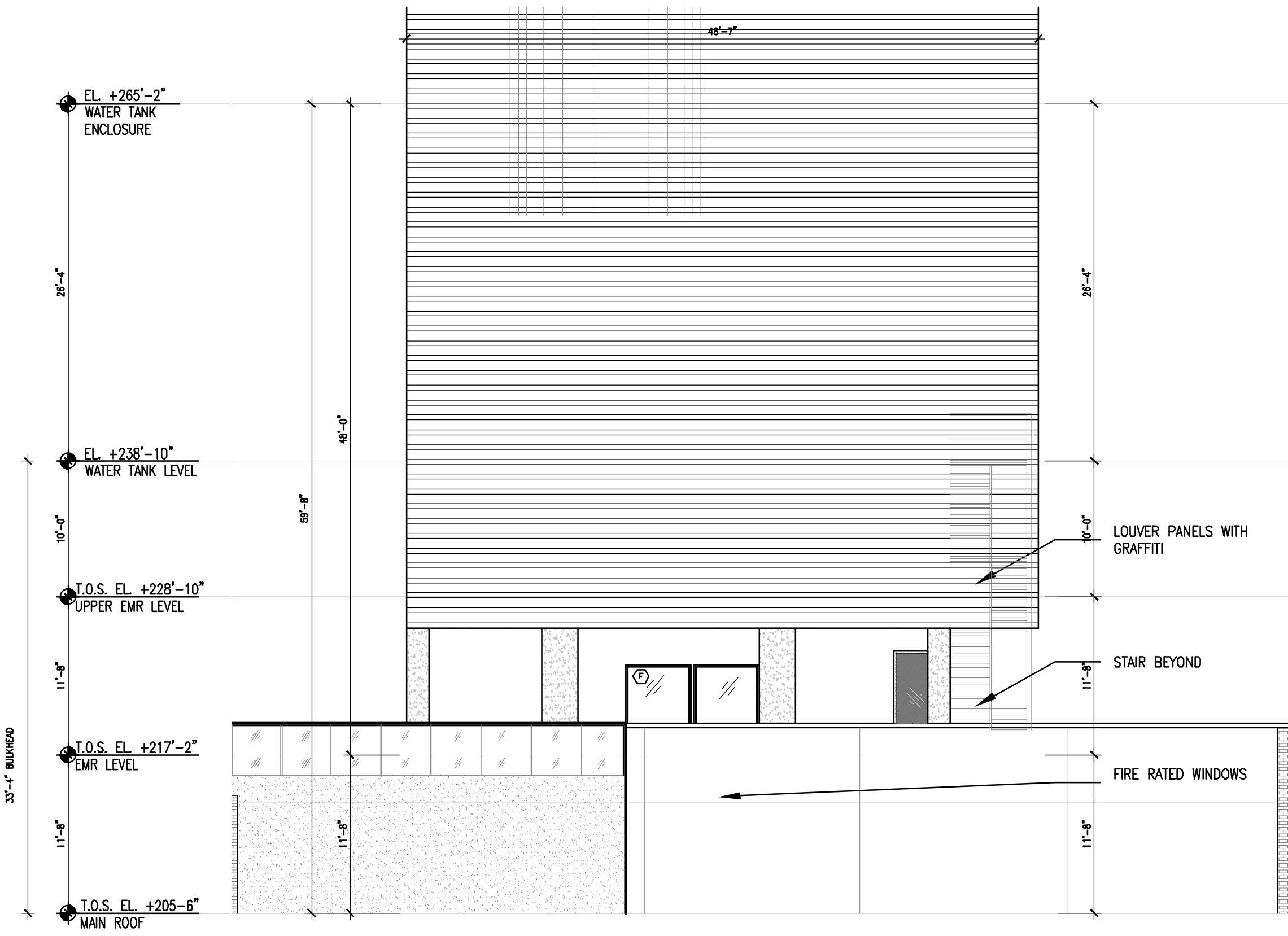
3 ENLARGED STAIR PLAN AT BOILER RM & EMR LEVEL
1/2" = 1'-0"



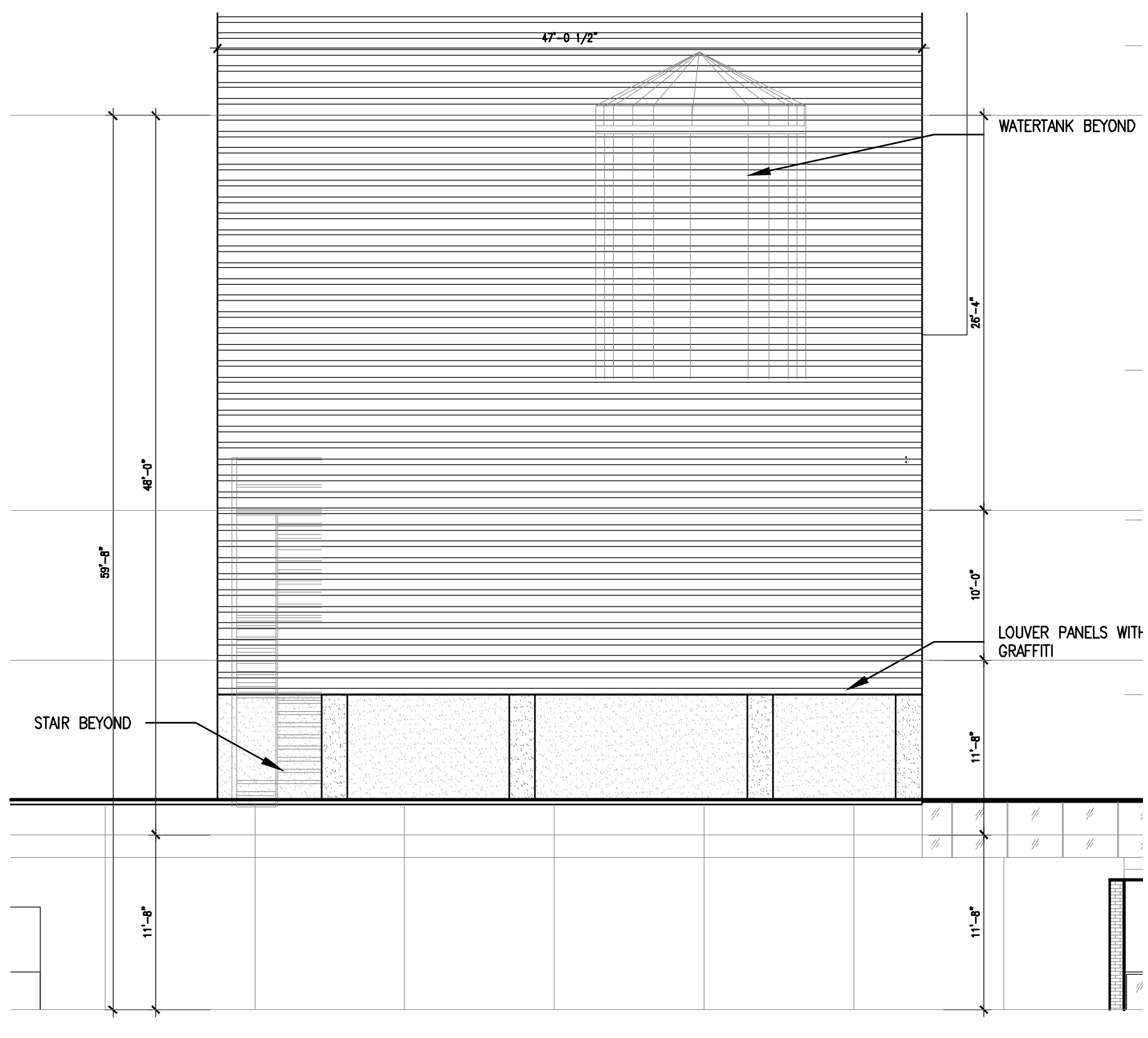
4 ENLARGED STAIR PLAN AT WATER TANK LEVEL
1/2" = 1'-0"

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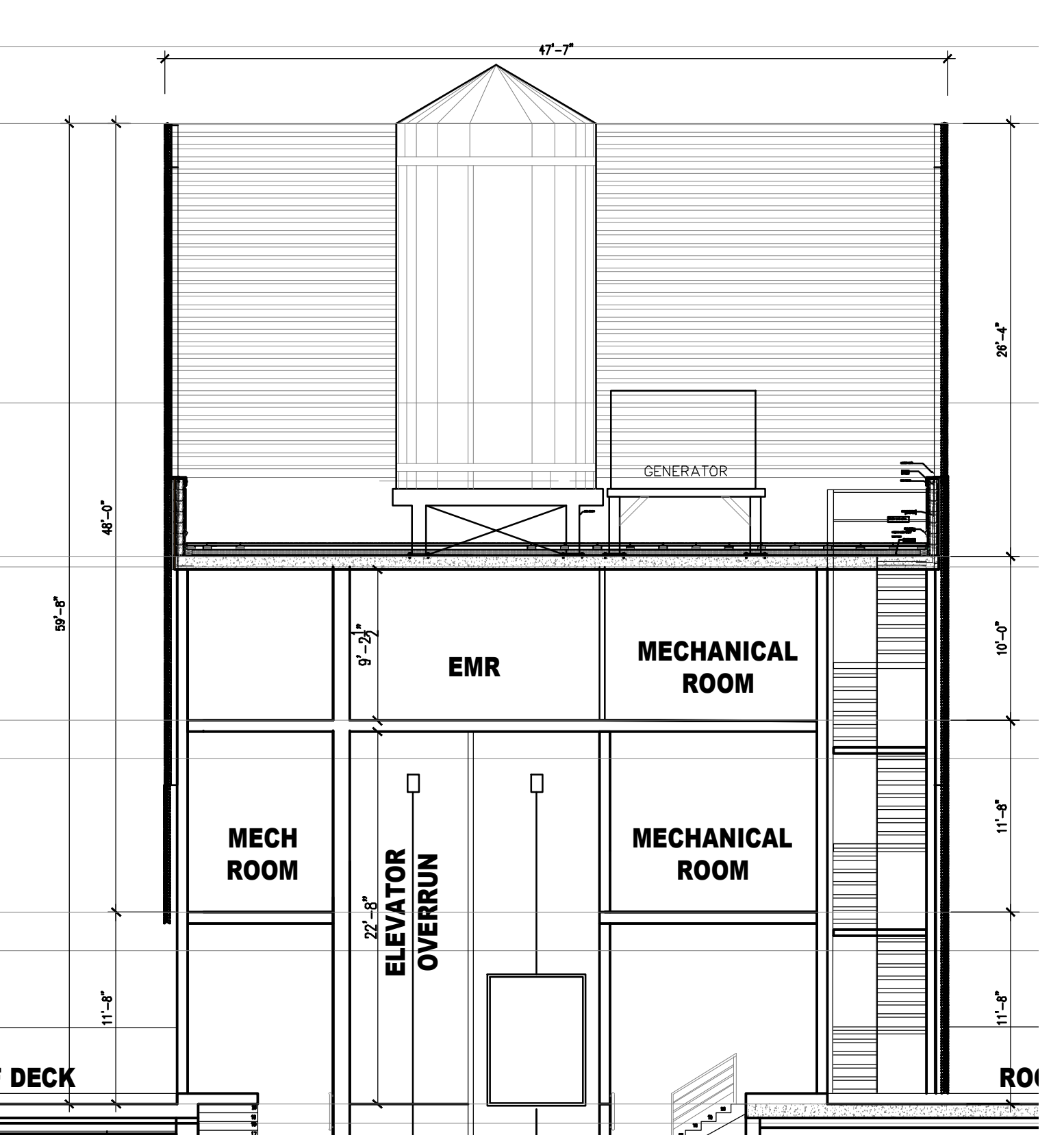
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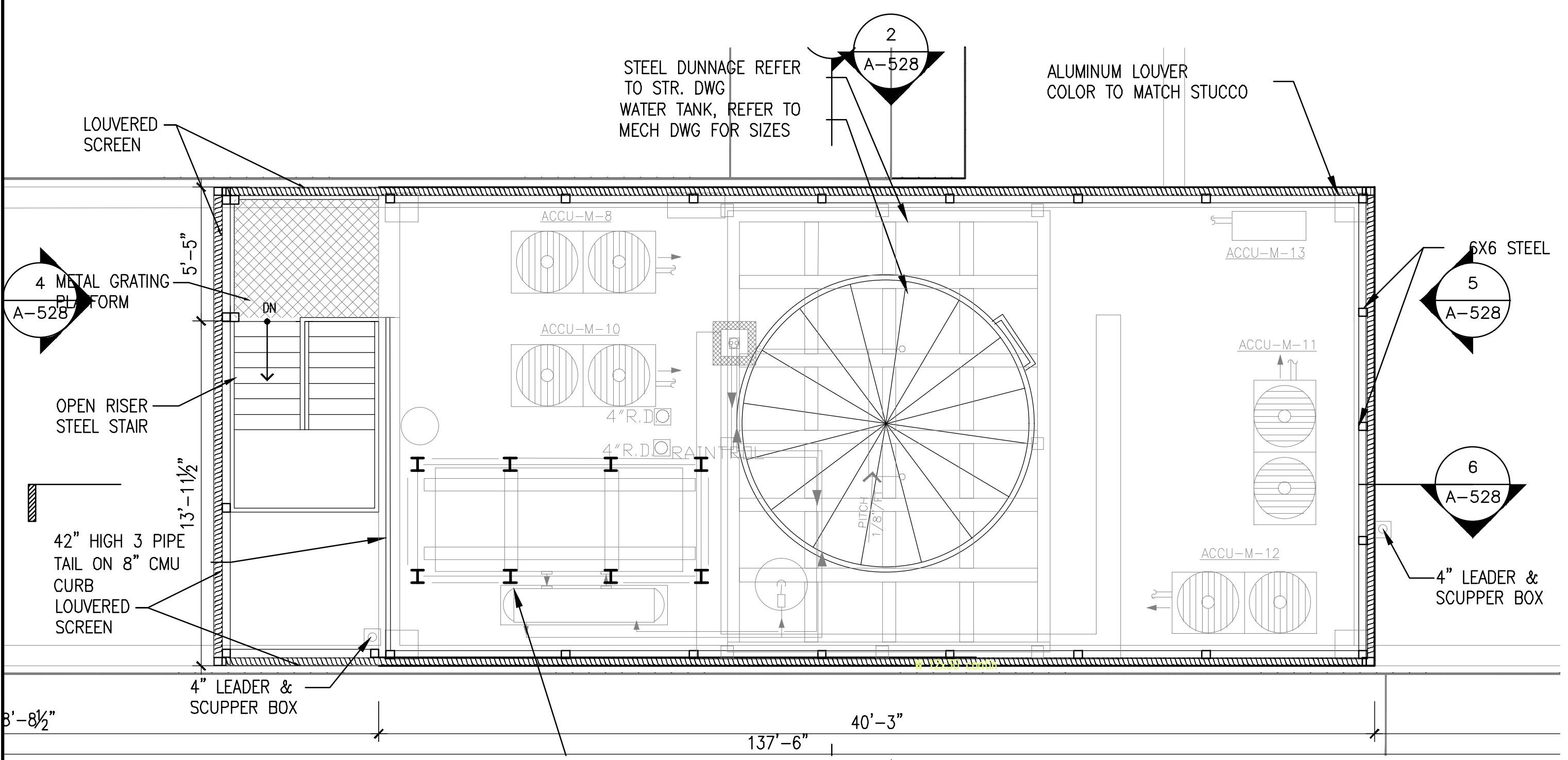
2 ELEVATION AT WATER TANK ENCLOSURE
1/2"=1'-0"



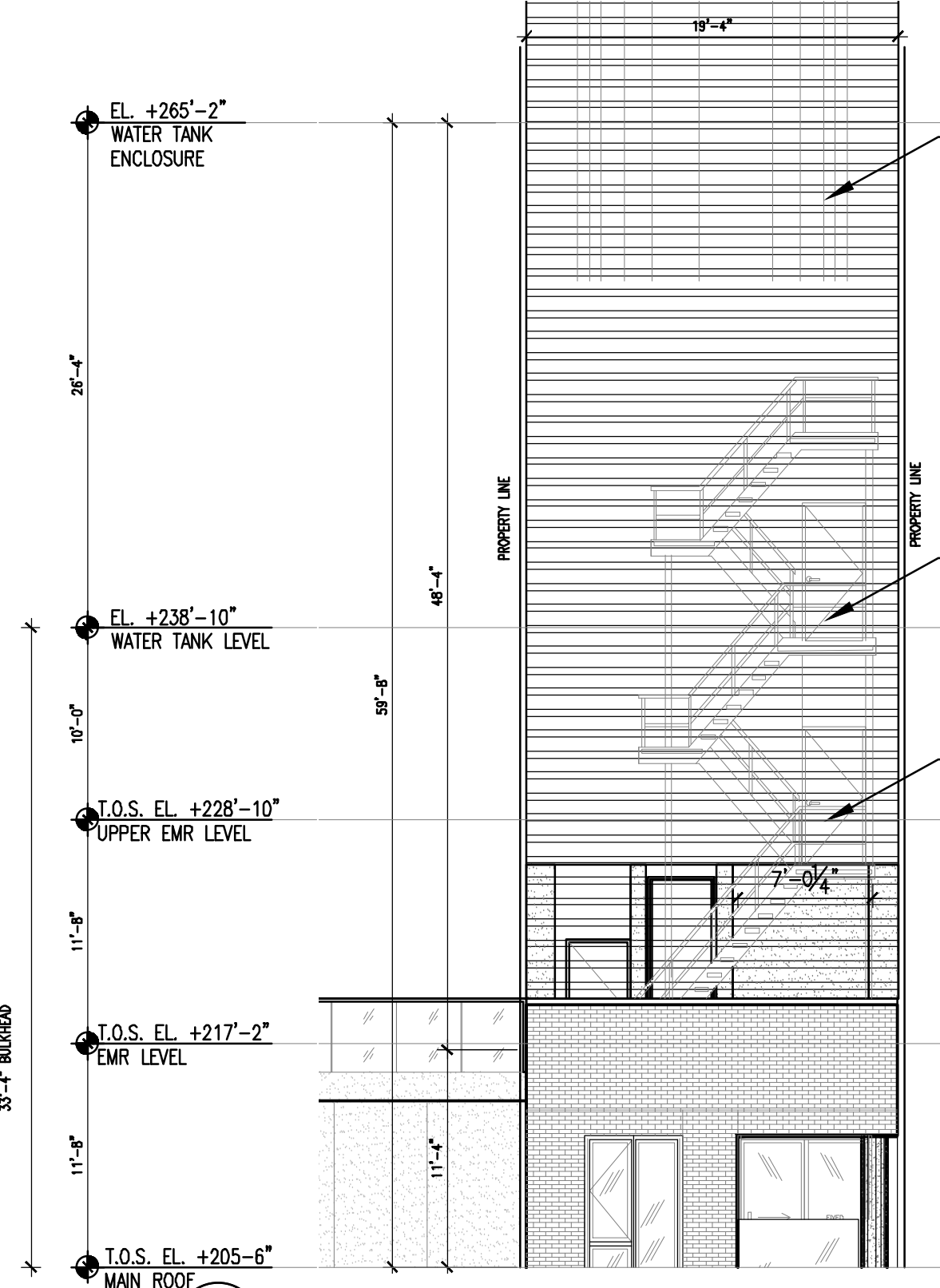
3 ELEVATION AT WATER TANK ENCLOSURE
1/2"=1'-0"



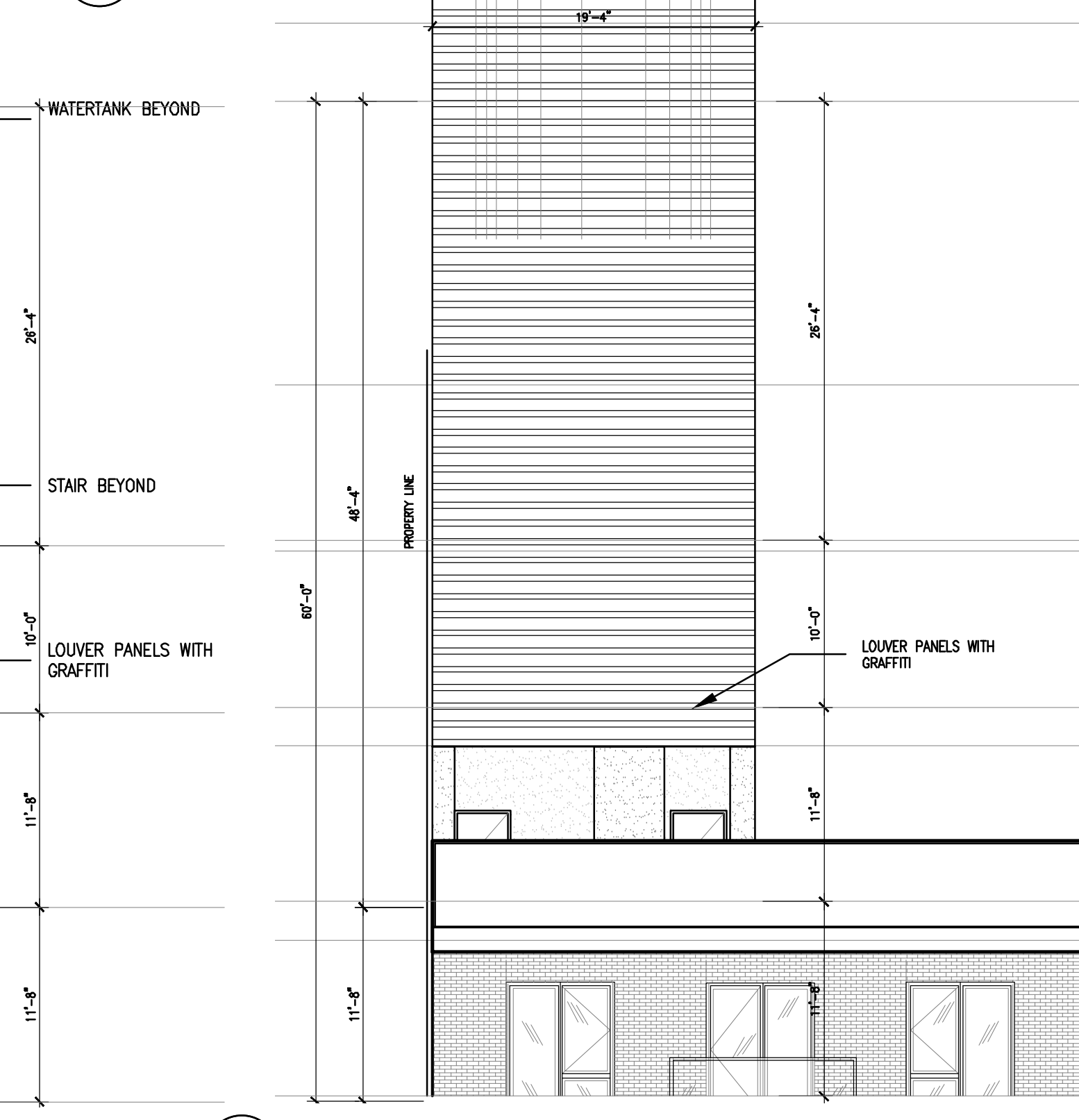
6 SECTION THROUGH WATER TANK ENCLOSURE
1/2"=1'-0"



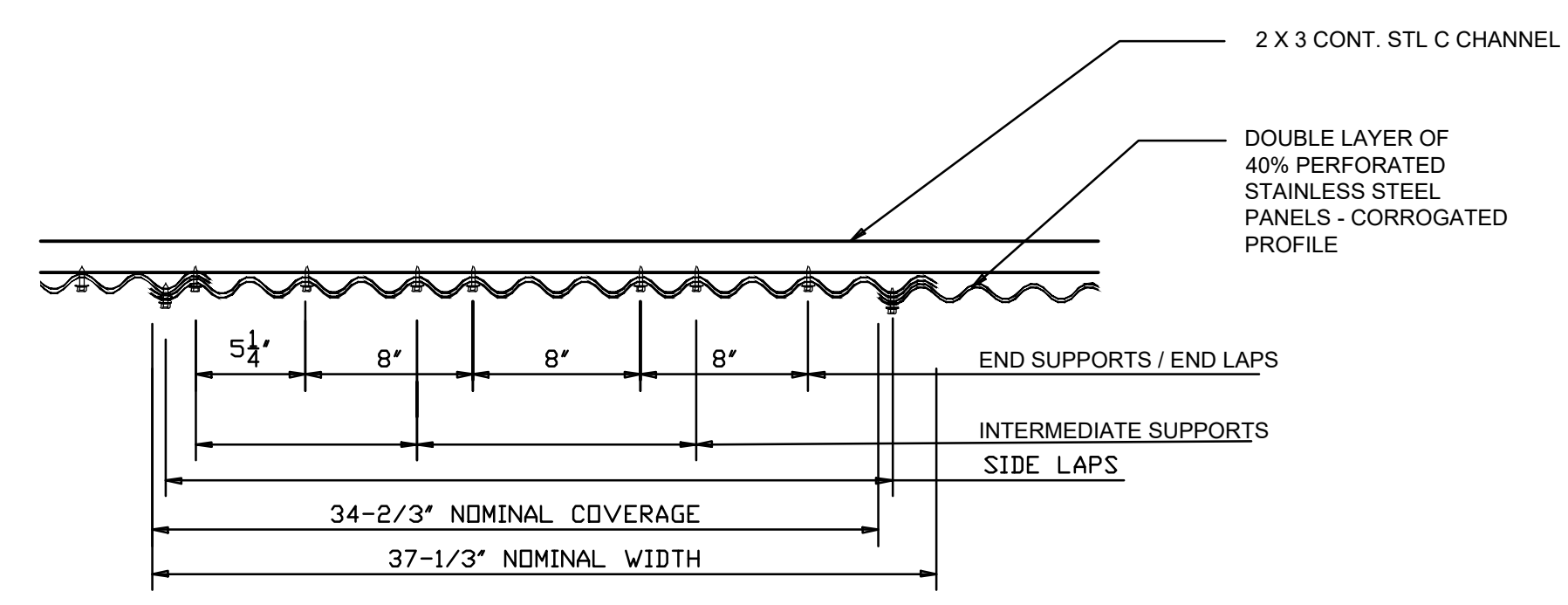
1 DETAILED PLAN OF WATER TANK ENCLOSURE
1/4"=1'-0"



4 ELEVATION AT WATER TANK ENCLOSURE
1/8"=1'-0"



5 ELEVATION AT WATER TANK ENCLOSURE
1/8"=1'-0"



7 ECDONLAP 3/4\"/>

ISSUED DRAWINGS

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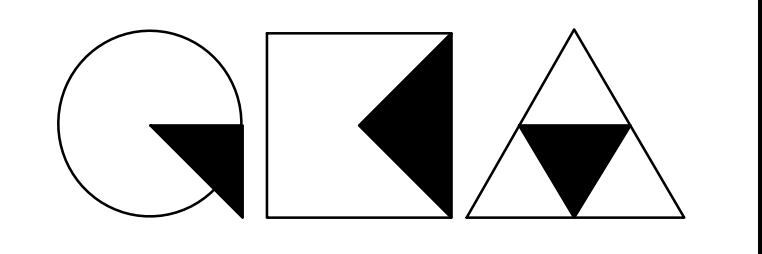
STRUCTURAL ENGINEER

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79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

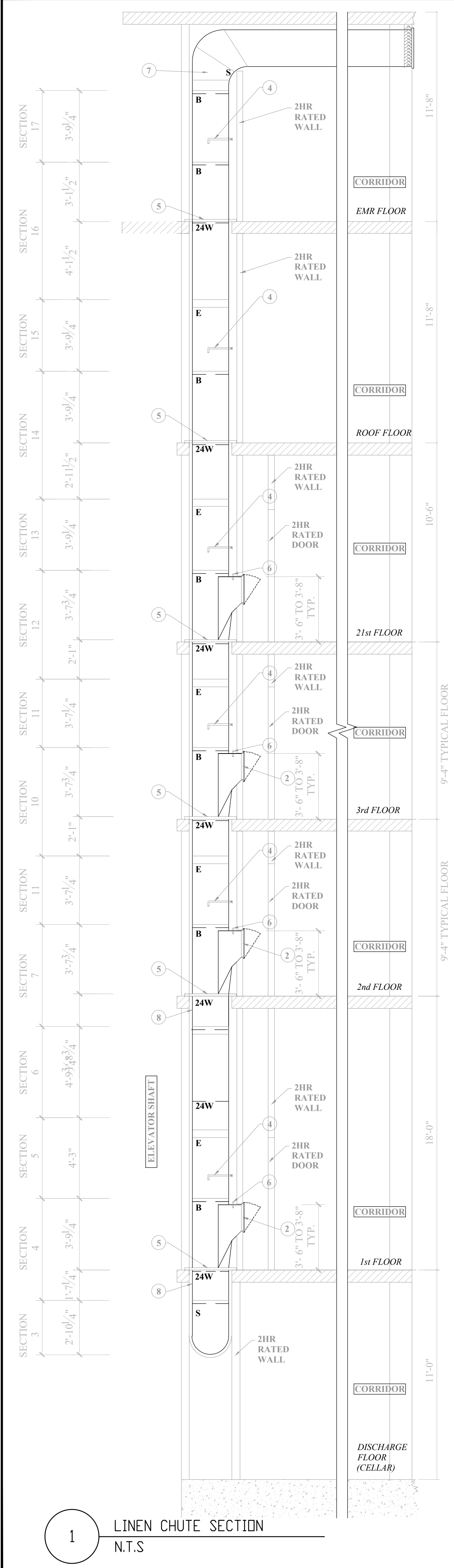


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WATER TANK & ENCLOSURE

SEAL & SIGNATURE: [Signature]
DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER: A-528.00
PAGE #



- NOTES:**
- CHUTE MEETS OR EXCEEDS ALL NFPA 82 CODE.
 - ALL CHUTES TO HAVE WELDED VERTICAL SEAMS.
 - PARTITIONS AROUND CHUTE NOT TO BE PLACED UNTIL AFTER CHUTE INSTALLATION.
 - ROUGH OPENINGS, PLUMB AND PROPER SIZES AND LOCATIONS SHALL BE PERFORMED BY OTHERS.
 - MISCELLANEOUS STEEL TO HAVE SHOP COAT OF PROTECTIVE ENAMEL.
 - FOR FURNISHED ONLY PROJECTS, CONTRACTOR TO VERIFY AND APPROVE ALL DIMENSIONS ON THESE DRAWINGS WITH CONDITIONS ON THE JOB SITE. CHUTES INTERNATIONAL WILL NOT BE RESPONSIBLE FOR DEVIATIONS FROM THE DRAWING ONCE APPROVED TO FABRICATE.
 - FOR FURNISHED AND INSTALLED PROJECTS, CHUTES INTERNATIONAL SHALL VERIFY ALL FLOOR HEIGHTS AND FIELD CONDITIONS PRIOR TO FABRICATION.
 - IF FLOOR FRAMES ARE TO SIT ON SUB FLOORS, PLEASE PROVIDE INFORMATION REGARDING THICKNESS OF FINISHED FLOOR TO MAINTAIN REQUIRED DOOR HEIGHT.
 - DUE TO MOVEMENT WHICH MAY OCCUR AFTER INSTALLATION, THE FINAL RESPONSIBILITY FOR ENSURING THAT DOORS ARE SITTING FLUSH TO WALLS MUST LIE ON TRADES CONSTRUCTING THESE WALLS.
 - THIS DRAWING IS THE PROPERTY OF CHUTES International Manufacturing AND LOANED ON THE CONDITION THAT IT IS NOT TO BE REPRODUCED AND IS NOT TO BE USED IN WHOLE OR PART TO FURNISH INFORMATION FOR THE MAKING OF DRAWINGS OR CHUTE SECTIONS.
 - OFFSETS AND CHUTE SIZE REDUCTIONS REQUIRE APPROVAL OF LOCAL FIRE MARSHAL OR BUILDING CODE INSPECTOR (RESPONSIBILITY OF OTHERS).
 - LINTEL, IF REQUIRED ABOVE DOOR, BY OTHERS.
 - ALL SECTIONS OF CHUTE CAN BE ROTATED AS NEEDED. (SEE ARCHITECTURAL DRAWINGS FOR DOOR ORIENTATION)
 - OFFSETS AND CHUTE SIZE REDUCTIONS REQUIRE APPROVAL OF LOCAL FIRE MARSHAL OR BUILDING CODE INSPECTOR (RESPONSIBILITY OF OTHERS).
- 1 Typical chute riser to be 24" diameter, fabricated with 16 ga. aluminized steel. (Stainless steel optional)
 - 2 Typical intake door 15" wide x 18" high, bottom hinged, noiseless, self-closing, self-latching, stainless steel front, back and skirt, bearing a UL label 1-1/2 hour, max. temp. rise 250°F., 30 min. Embossed "RUBBISH" stainless steel trim. ADA lever handle with lock and 2 keys.
 - 3 UL labeled accordion type discharge. Interlocking type spring loaded blades held open by fusible link assembly for automatic closing with heat rising above 165° F.
 - 4 Flushing spray head with 3/4" connector ready for connection by others.
 - 5 Typical chute support, by means of clips welded at quarters, to sit on angle iron and bar grid type floor frame. Steel to be 3/16" thick minimum. (Structural support of chute floor frame to be provided by others).
 - 6 165°F. Sprinklers to be installed at top intake, alternate intakes below, and first intake floor. Ready for connection by others. (Sprinklers are on: 3rd and 1st floors on this system)
 - 7 Vent to extend full diameter of same gauge as chute thru roof to a height of 3'-0" (per NFPA-82;2003). Vent to be covered with a hinged raincap with 1" air space and holdown clips. Roof extension to be aluminized finish with flat/pitched/curb roof flashing, as required.
 - 8 Floor retainer flange, 1 provided at discharge ceiling.
 - 9 Access door to be 15" X 15", side hinged and bearing UL label as described in item #2. ADA lever handle with lock and 2 keys. Manual disinfecting and sanitizing unit where designated on drawing. (Optional Accessory). (Vacuum breaker, control valve and backflow preventer by others.)

NOTES:

_CHUTE SHALL COMPLY WITH BC 708 & BC 708.13 AND CONTAIN A 2-HR SHAFT ENCLOSURE, CONSTRUCTED WITH NONCOMBUSTIBLE MATERIALS. ACCESS OPENING FOR LAUNDRY CHUTES SHALL BE LOCATED IN DEDICATED ROOMS OR COMPARTMENTS ENCLOSED BY NOT LESS THAN 2-HR FIRE BARRIERS. OPENINGS INTO ACCESS ROOMS SHALL BE PROTECTED BY OPENING PROTECTIVES HAVING A FIRE PROTECTION RATING OF NOT LESS THAN 1 1/2-HR. _ACCESS TO CHUTE SHALL BE FROM DOUBLE FIRE PROTECTED SELF-CLOSING OUTSWINGING DOORS W/ AUTOMATIC OPENER TO COMPLY WITH ADA REQUIREMENTS OF BC 1107.3

_CHUTE MEETS OR EXCEEDS ALL NFPA-82 CODE.

_ALL CHUTES TO HAVE CONTINUOUSLY WELDED VERTICAL SEAMS.

_PARTITIONS AROUND CHUTE NOT TO BE ERECTED UNTIL AFTER CHUTE INSTALLATION.

_ROUGH OPENINGS, APLUMB AND PROPER SIZES AND LOCATIONS SHALL BE PROVIDED BY OTHERS .

_MISCELLANEOUS STEEL TO HAVE SHOP COAT OF PROTECTIVE ENAMEL.

_FOR FURNISH ONLY PROJECTS, CONTRACTOR TO VERIFY AND APPROVE ALL DIMENSIONS ON THESE DRAWINGS WITH CONDITIONS ON THE JOB SITE. CHUTES INTERNATIONAL WILL NOT BE RESPONSIBLE FOR DEVIATIONS FROM THE DRAWING ONCE APPROVED TO FABRICATE.

_FOR FURNISH AND INSTALL PROJECTS, CHUTES INTERNATIONAL SHALL VERIFY ALL FLOOR HEIGHTS AND FIELD CONDITIONS PRIOR TO FABRICATION.

_IF FLOOR FRAMES ARE TO SIT ON SUB FLOORS, PLEASE PROVIDE INFORMATION REGARDING THICKNESS OF FINISHED FLOOR TO MAINTAIN REQUIRED DOOR HEIGHT.

_DUE TO MOVEMENT WHICH MAY OCCUR AFTER INSTALLATION, THE FINAL RESPONSIBILITY FOR ENSURING THAT DOORS ARE SITTING FLUSH TO WALLS MUST LIE ON TRADES CONSTRUCTING THESE WALLS.

_THIS DRAWING IS THE PROPERTY OF CHUTES INTERNATIONAL MANUFACTURING AND IS LOANED ON THE CONDITION THAT IT IS NOT TO BE REPRODUCED AND IS NOT TO BE USED IN WHOLE OR PART TO FURNISH INFORMATION FOR THE MAKING OF DRAWINGS OR CHUTE SECTIONS.

_LINTELS, IF REQUIRED ABOVE DOORS, BY OTHERS.

_ALL SECTIONS OF CHUTE CAN BE ROTATED AS NEEDED, BUT MUST MAINTAIN CONSISTENT RISER CENTER LINE. (SEE ARCHITECTURAL DRAWINGS FOR DOOR ORIENTATION).

_OFFSETS AND CHUTE SIZE REDUCTIONS REQUIRE APPROVAL OF AUTHORITY HAVING LOCAL JURISDICTION (FIRE MARSHAL OR BUILDING CODE INSPECTOR) RESPONSIBILITY OF OTHERS.

"W" JOINTS ARE WELDED JOINTS.

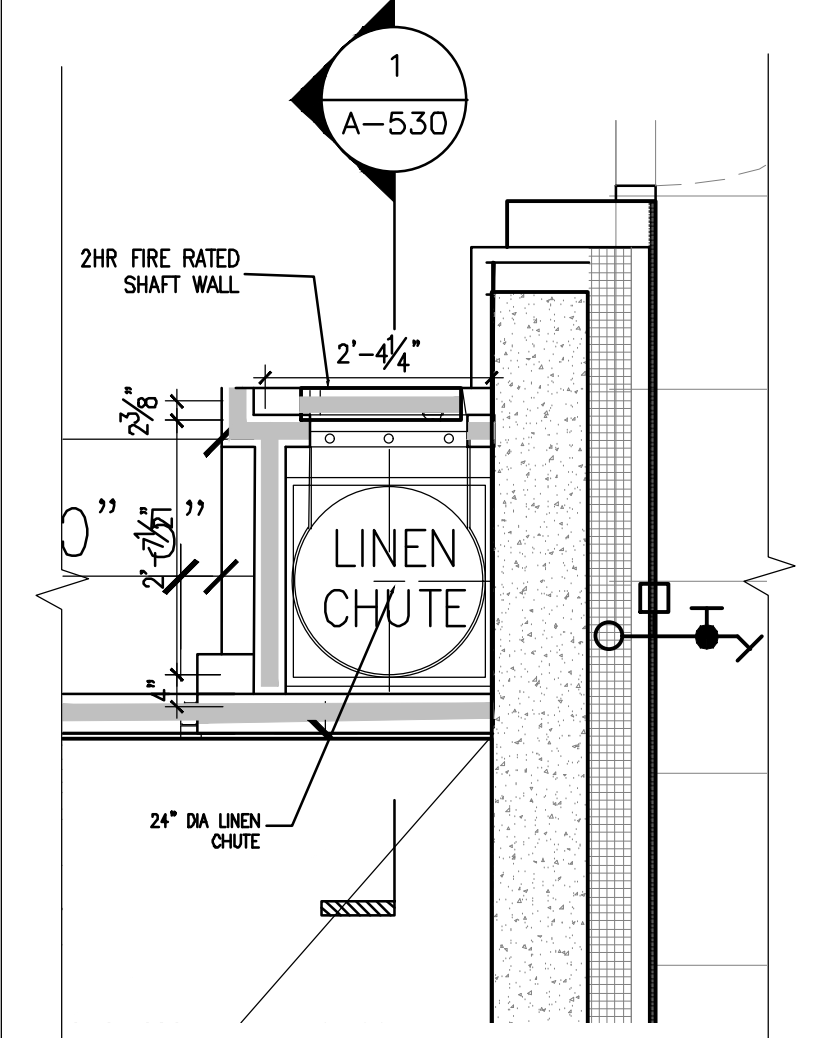
"B" JOINTS ARE BEADED JOINTS.

"C" JOINTS ARE JOINTS WITH CLIPS.

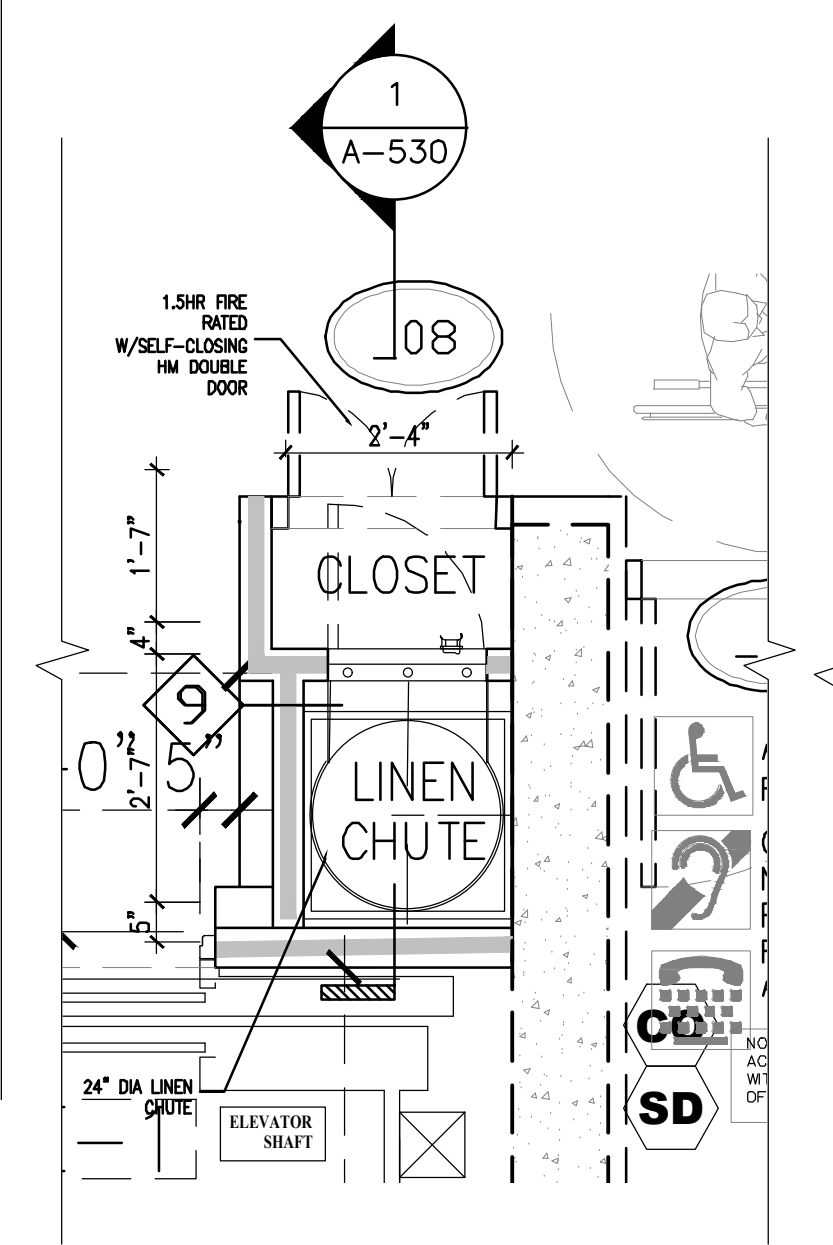
"E" JOINTS ARE EXPANSION JOINTS.

"S" JOINTS ARE VENT JOINTS ZAP SCREWED.

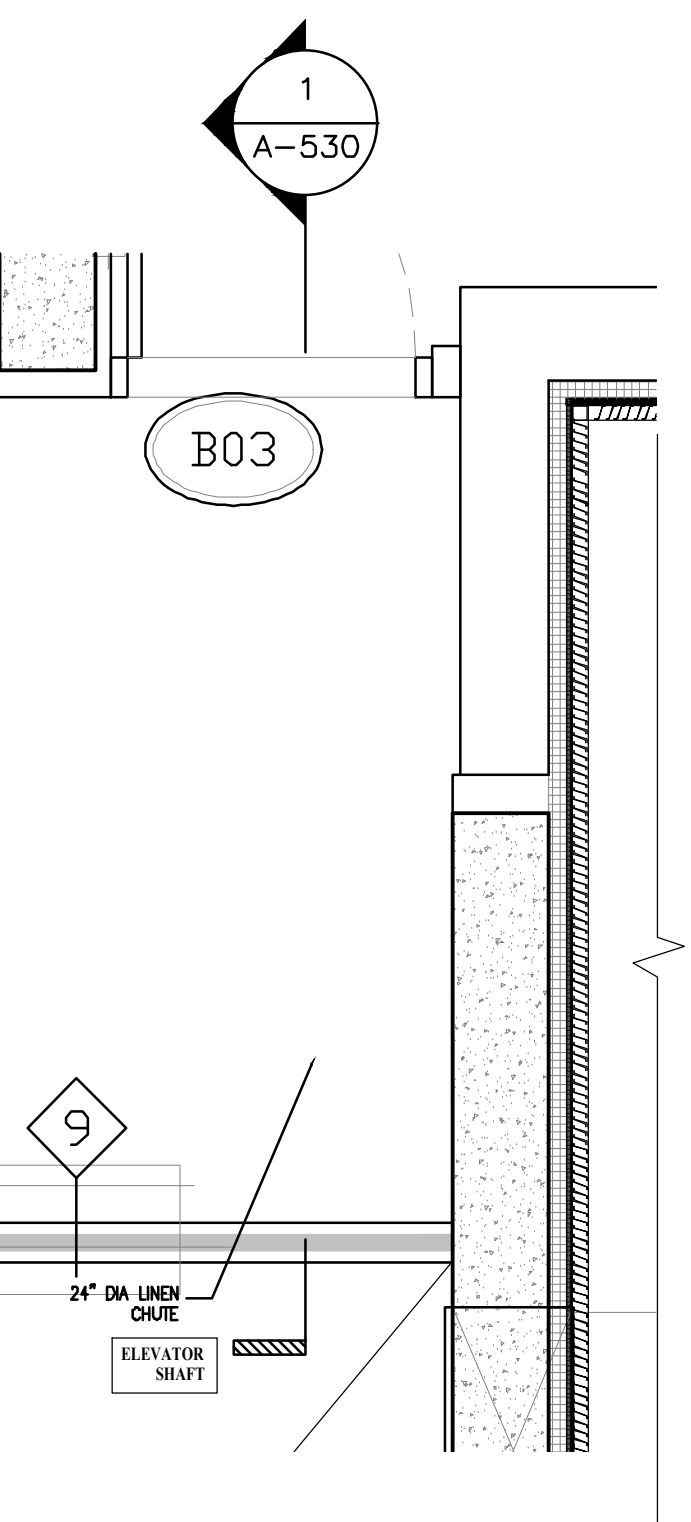
"BC" JOINTS ARE JOINTS BEADED WITH CLIPS.



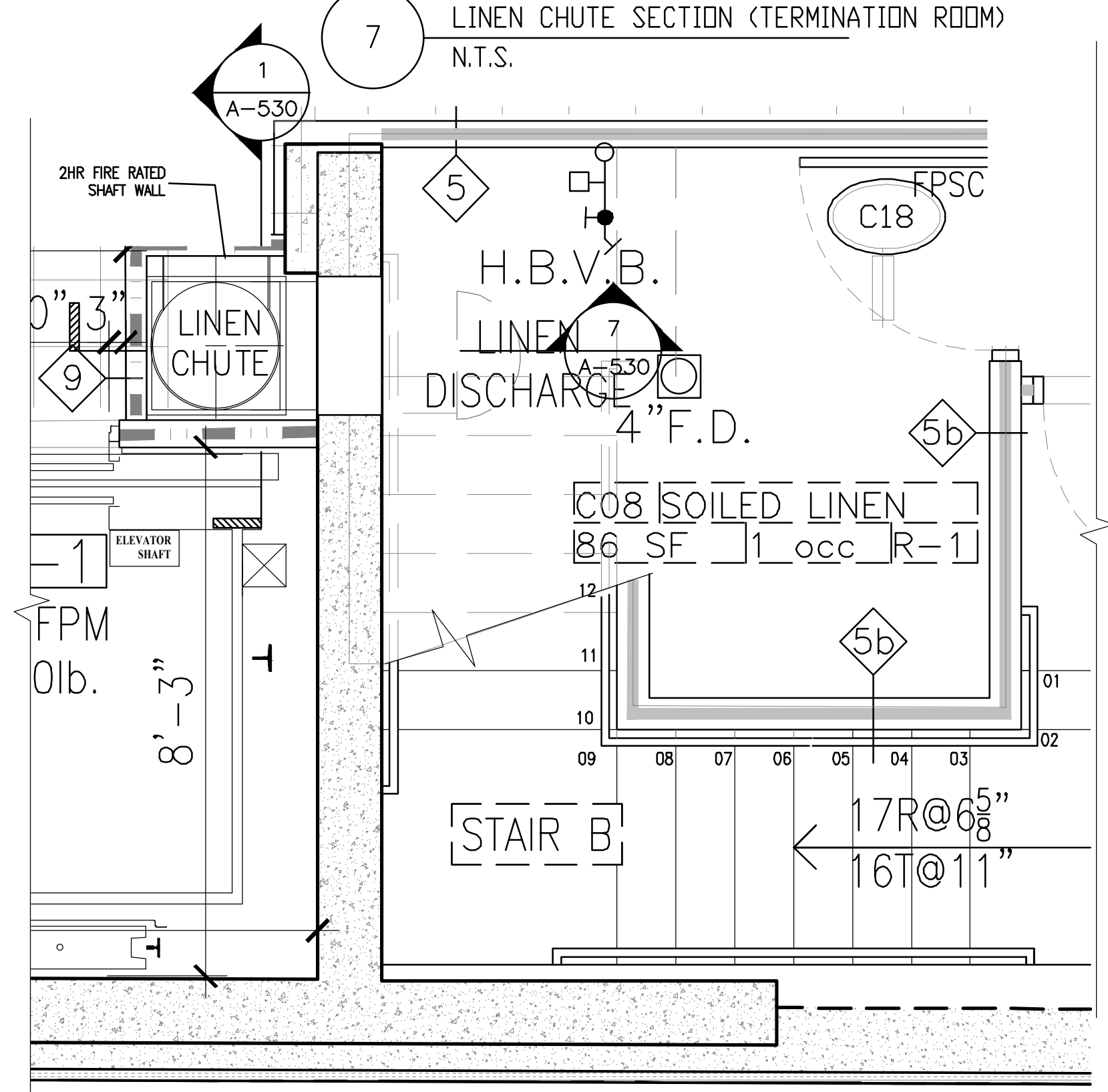
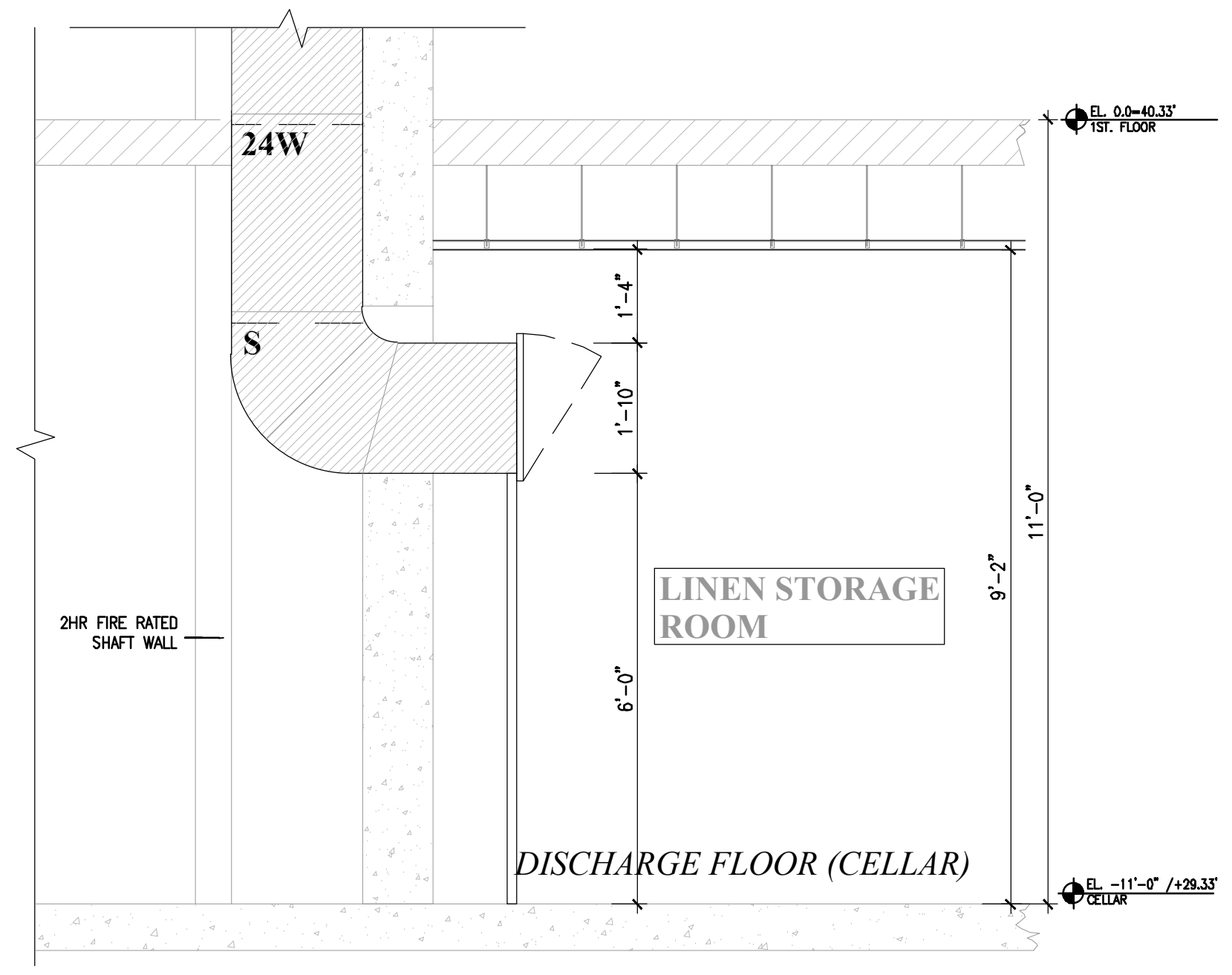
4 LINEN STORAGE ROOF PLAN
1/2" = 1'-0"



2 LINEN CHUTE FLOOR PLAN (TYP. FLOOR)
1/2" = 1'-0"



5 LINEN STORAGE EMR PLAN
1/2" = 1'-0"



6 LINEN STORAGE PLAN (TERMINATION ROOM)
1/2" = 1'-0"

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ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

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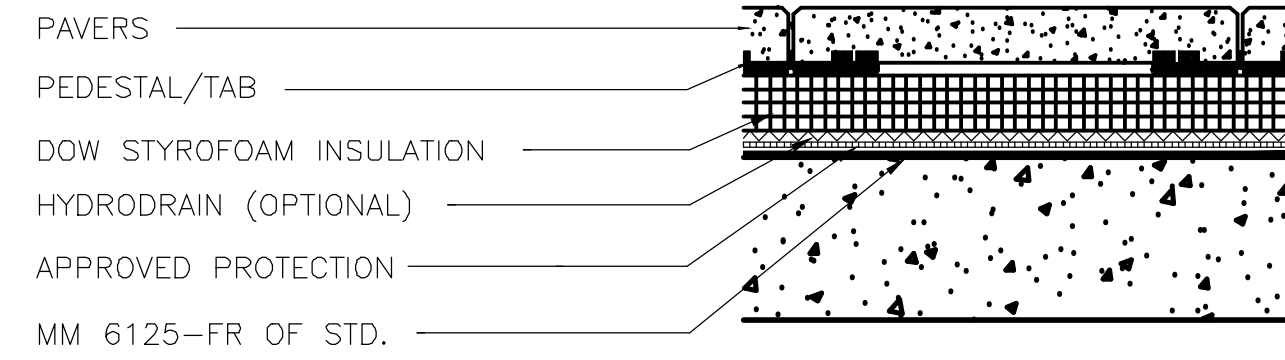
291 LIVINGSTON STREET
BROOKLYN, NY 11217

LINEN CHUTE DETAILS

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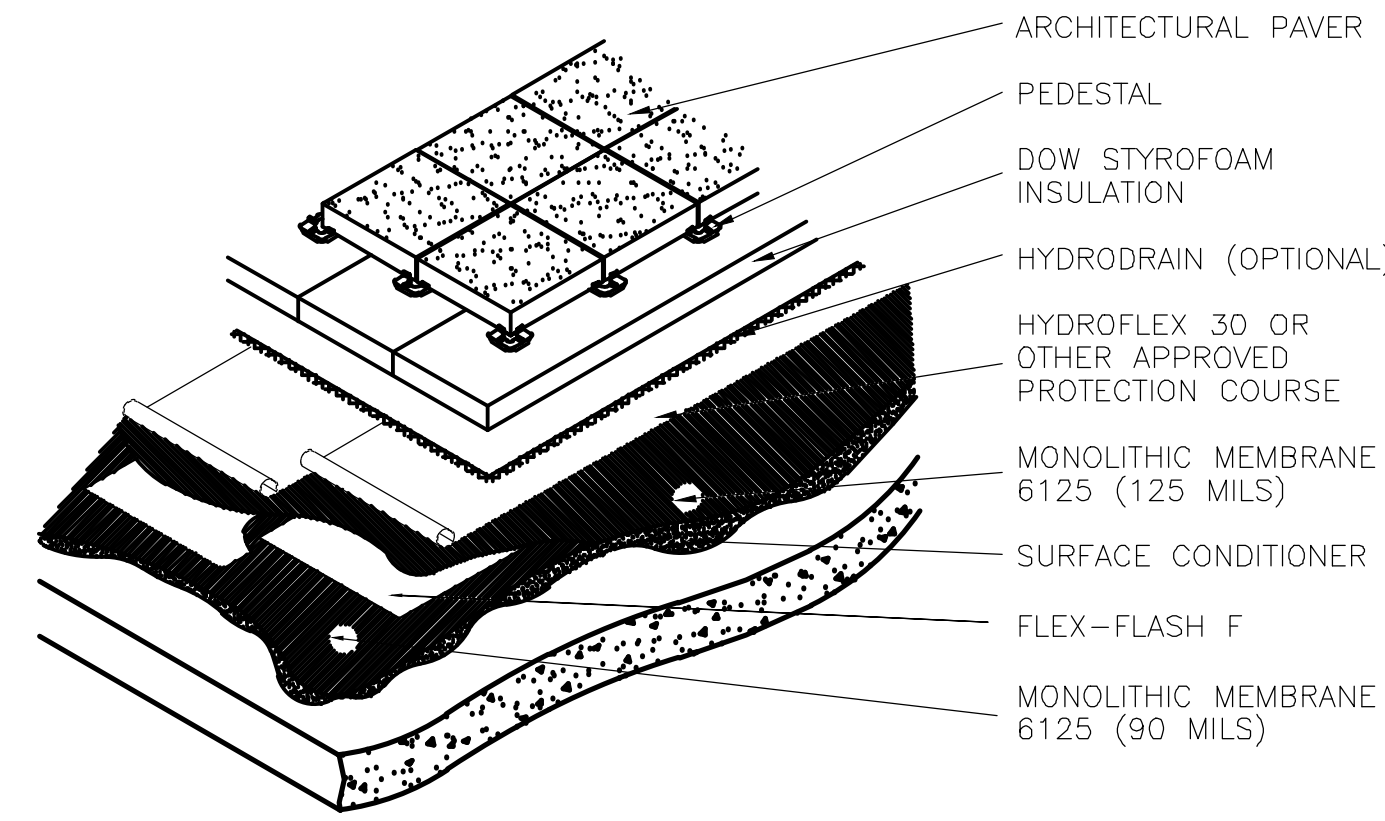
HYDROTECH ROOF ASSEMBLY

PLAZA/TERRACE (OPEN-JOINT PAVERS)

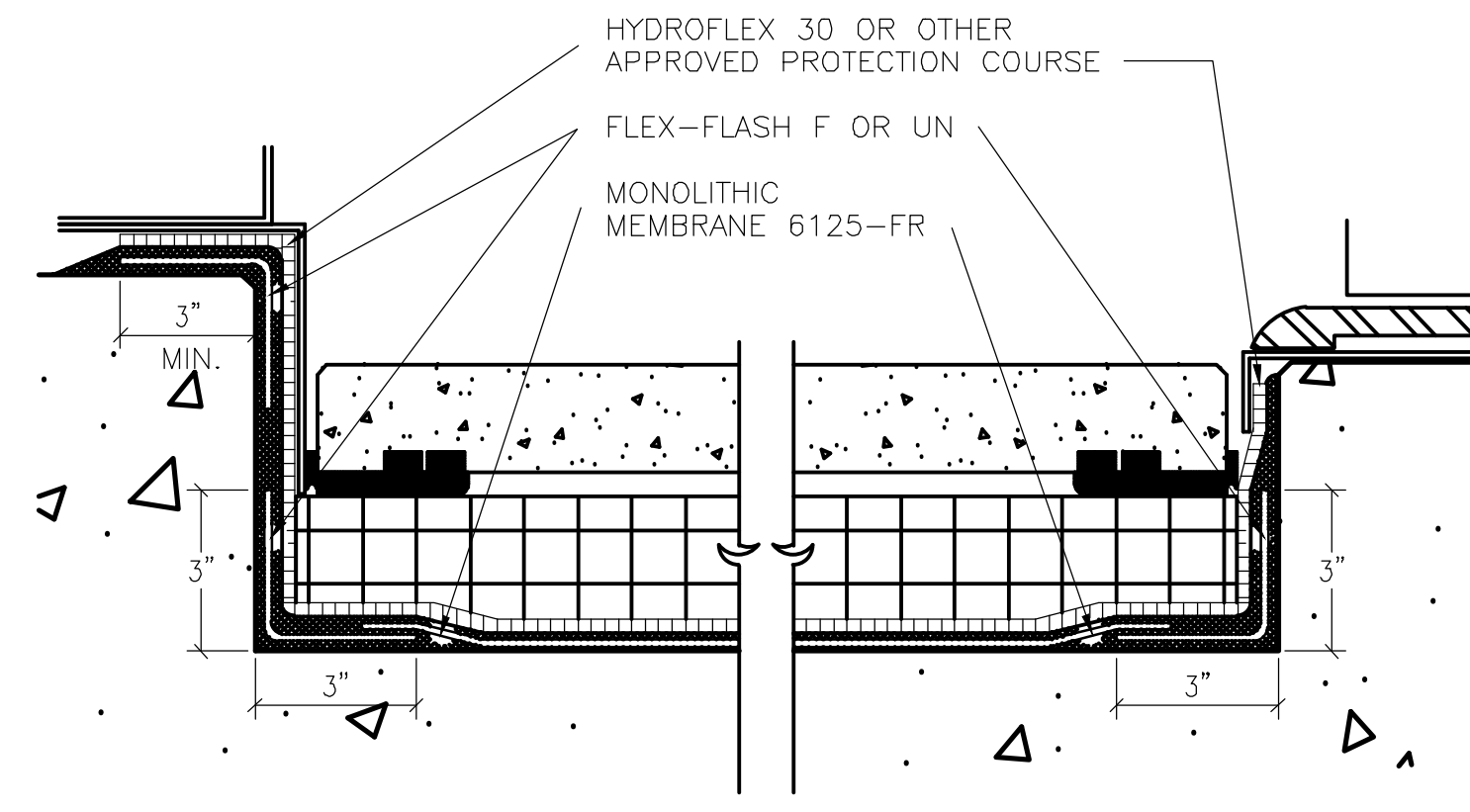


NOTES: WHEN DOW STYROFOAM IS INSTALLED DIRECTLY UNDER AN IMPERVIOUS SURFACE (i.e., TOPPING SLAB, SETTING BED, ETC.) AN AIR LAYER (HYDRODRAIN) MUST BE INSTALLED ON TOP OF THE FOAM.

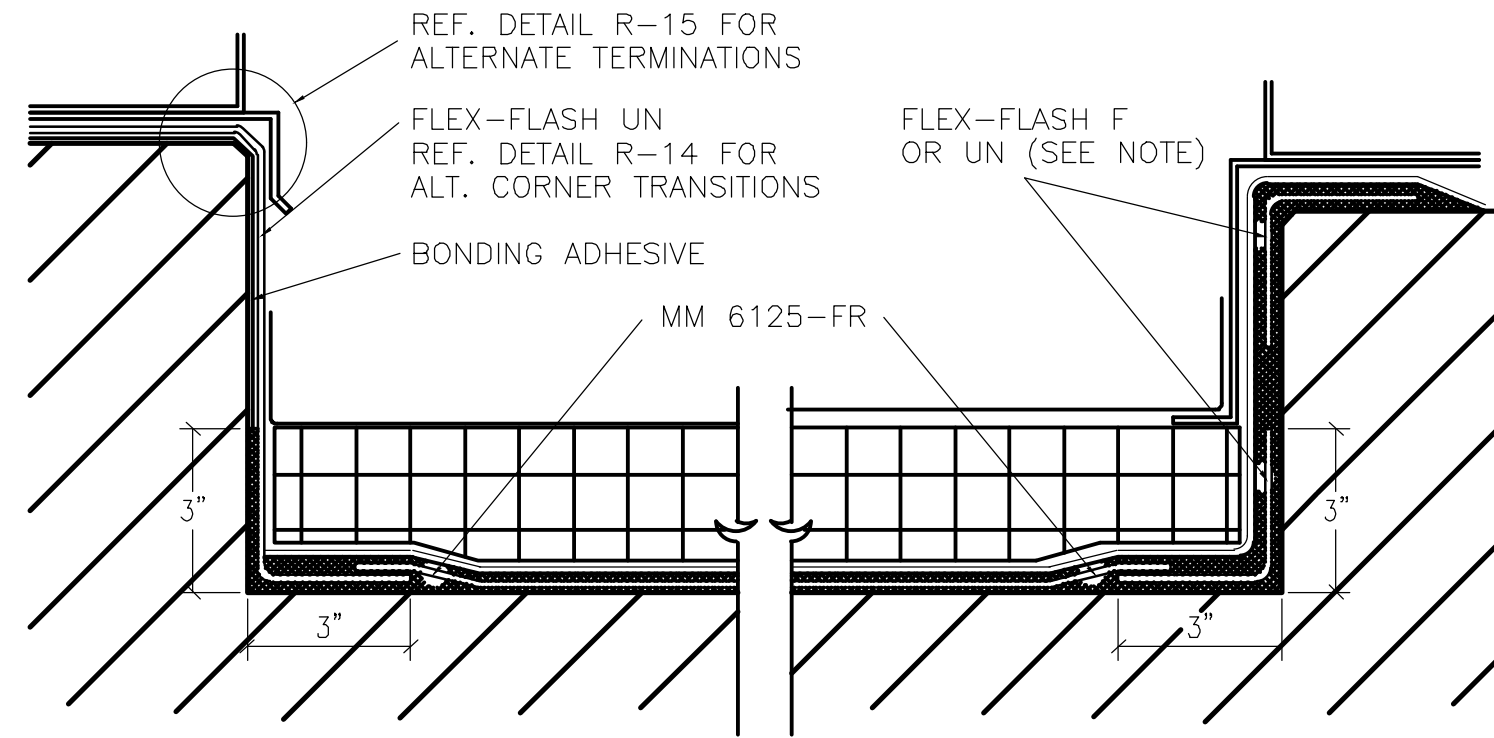
IF HYDRODRAIN OR INSULATION IS TO BE INSTALLED UNDER ASPHALT PAVEMENT A COMPACTED STONE BASE IS REQUIRED. CONTACT HYDROTECH FOR ADDITIONAL SUGGESTIONS REGARDING PLACEMENT OF ASPHALT PAVEMENT DIRECTLY OVER MM 6125.



FOR NEW CONCRETE SUBSTRATES AND ALL REHAB APPLICATIONS
FABRIC REINFORCED ASSEMBLY

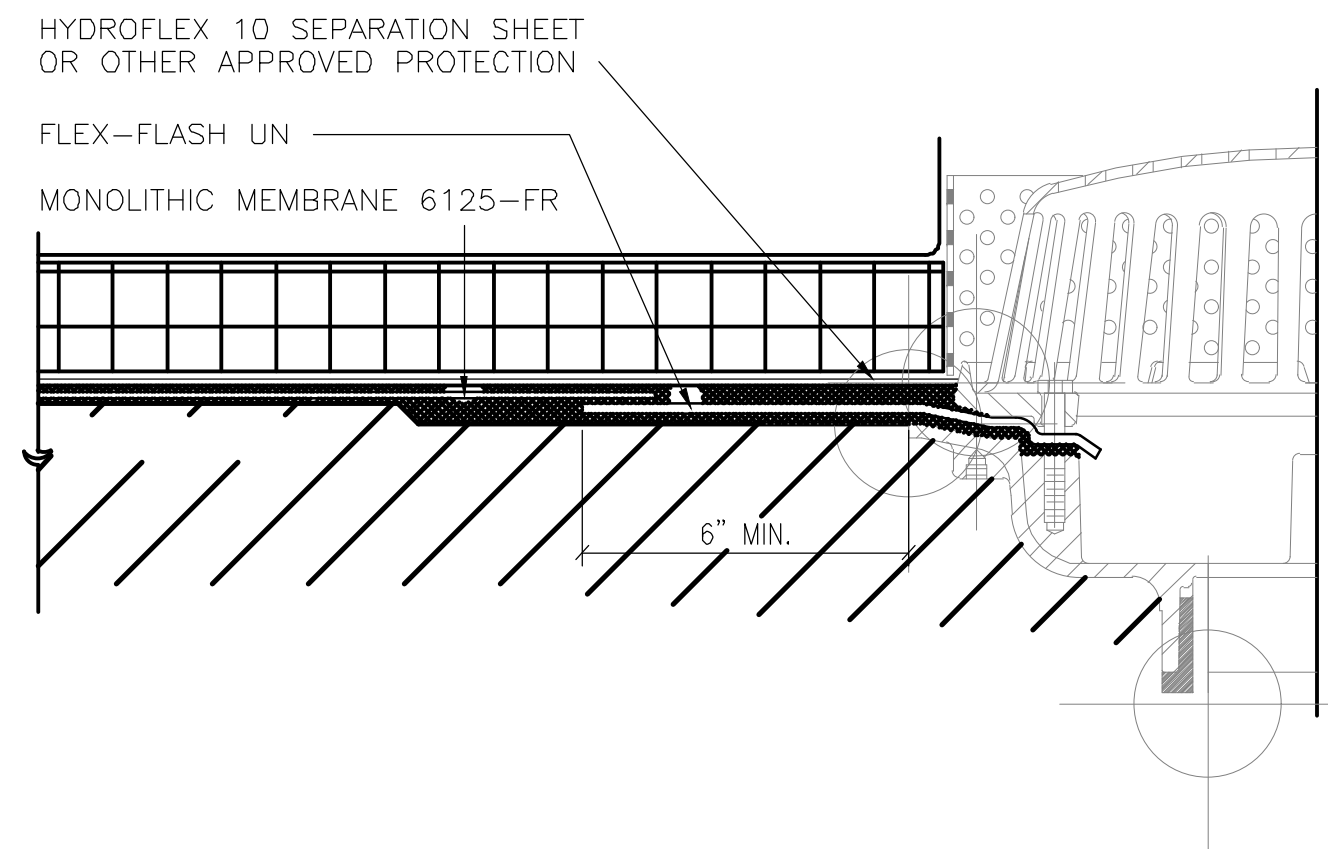


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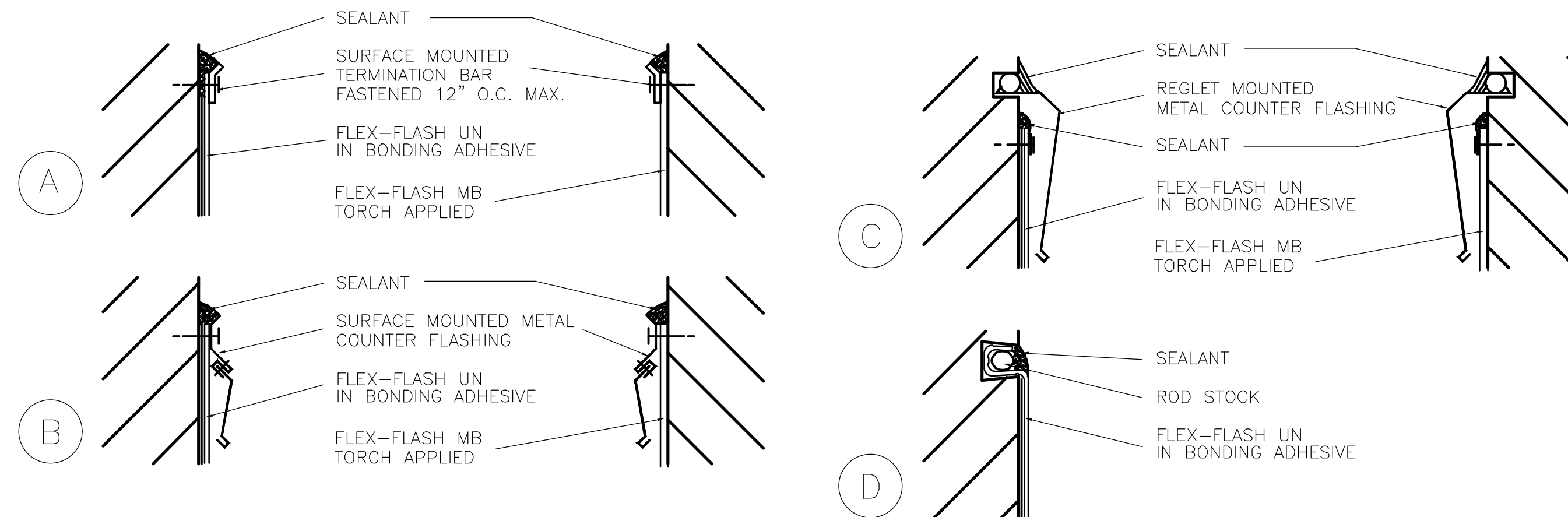


NOTE: FLEX-FLASH F MAY BE USED AT ALL CONCRETE-TO-CONCRETE AND CONCRETE-TO-CONCRETE BLOCK TRANSITIONS. FLEX-FLASH UN MUST BE USED AT ALL OTHER TRANSITIONS (i.e., CONC.-TO-GYP. BOARD, GYP. BOARD-TO-GYP. BOARD, ETC.).

2 ROOF DETAIL NTS



3 ROOF DETAIL NTS



4 ROOF DETAIL NTS

5 ROOF DETAIL NTS

6 FLASHING DETAILS NTS

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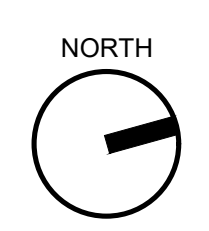
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BROOKLYN, NY 11217

ROOF DETAILS

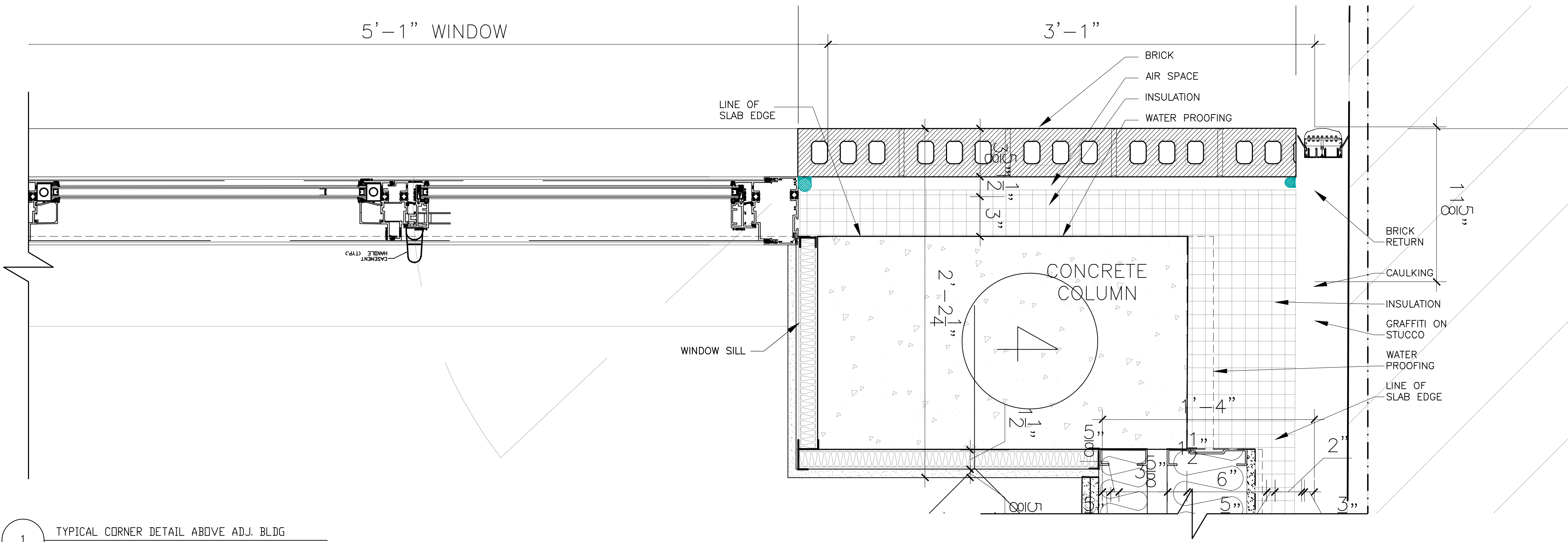
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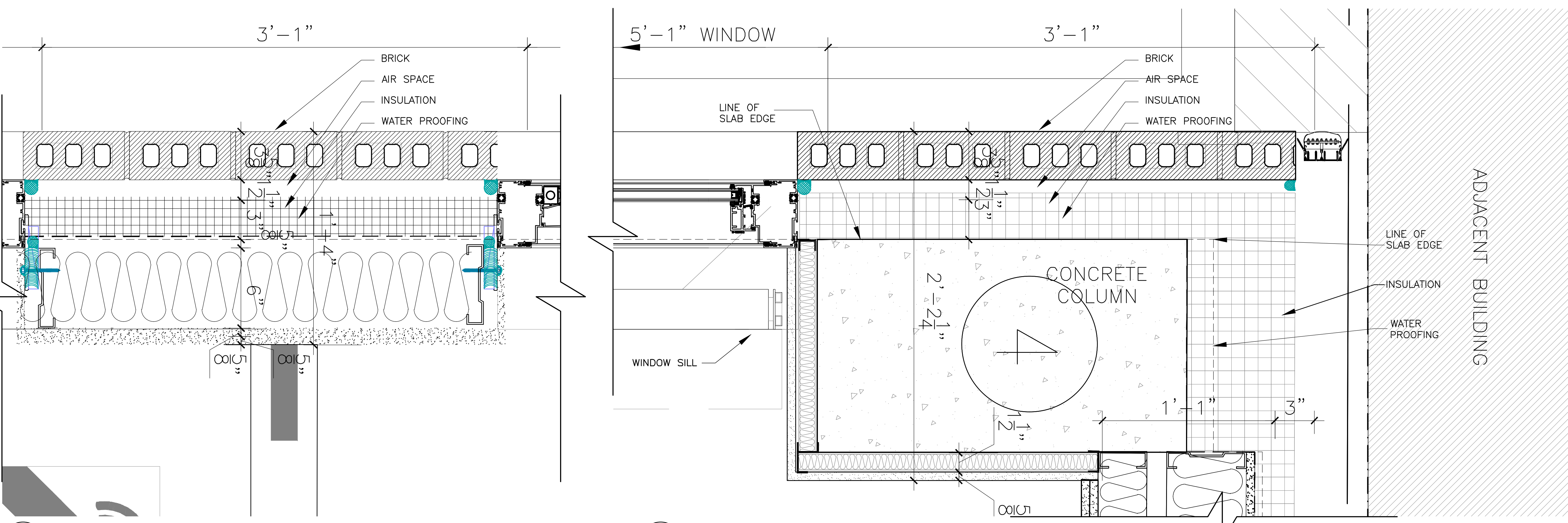
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1 TYPICAL CORNER DETAIL ABOVE ADJ. BLDG
3' = 1'-0"



2 TYPICAL DETAIL ABOVE ADJ. BLDG (24TH TO 45TH FL)
3' = 1'-0"

3 CORNER DETAIL AT 2ND FLOOR
3' = 1'-0"

ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

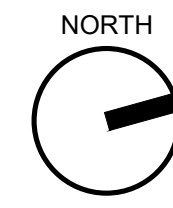
GENE KAUFMAN ARCHITECT PC

79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkpac.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

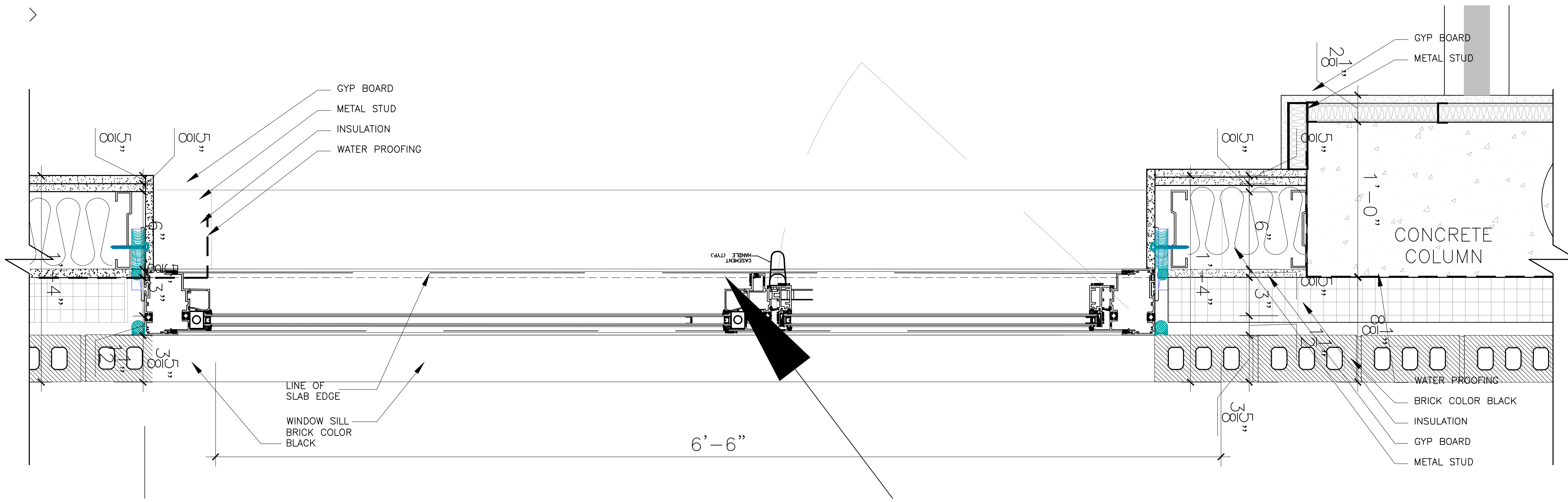
ENLARGED PLAN DETAILS

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER:
	A-532.00
	PAGE #

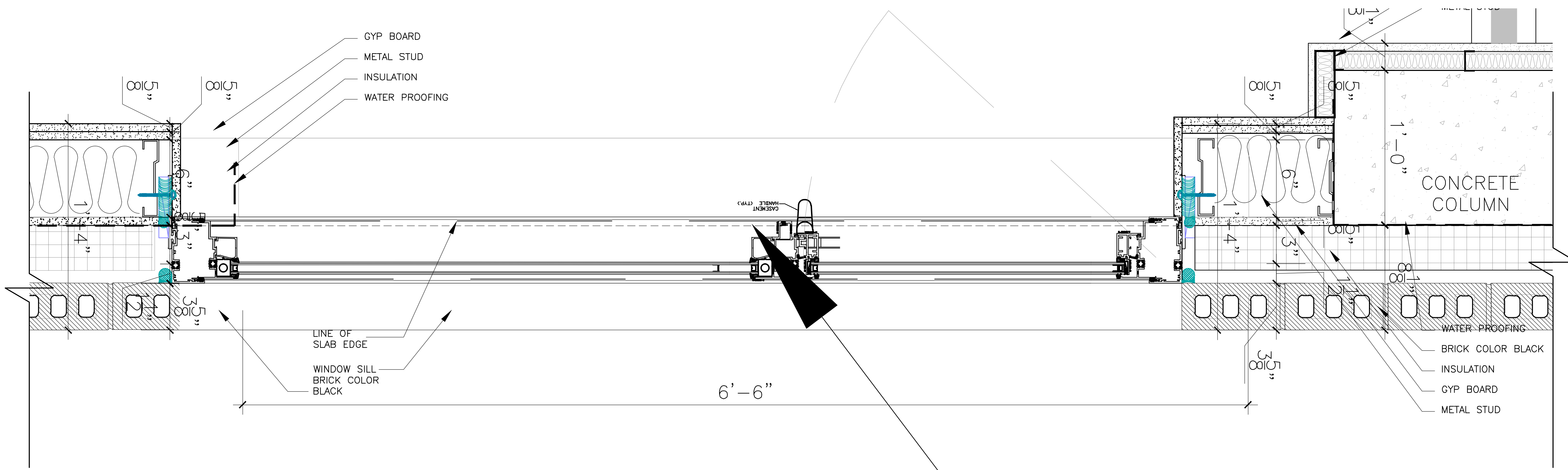


THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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1 TYPICAL WINDOW DETAIL AT REAR
3" = 1'-0"



2 TYPICAL WINDOW DETAIL AT REAR
3" = 1'-0"

ISSUED DRAWINGS	
DATE	DESCRIPTION
09/10/2018	ISSUED ADDENDUM #1
08/06/2018	ISSUED TO DOB
07/03/2018	ISSUED 100% CD
06/11/2017	ISSUED FOR DOB
05/11/2017	ISSUED FOR BID SET
04/10/2017	ISSUED FOR DOB
03/10/2017	ISSUED FOR MODULAR
02/08/2017	ISSUED TO DOB
01/06/2017	ISSUED TO DOB

GENE KAUFMAN ARCHITECT PC
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STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
MEP ENGINEER

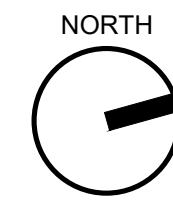
JOB NUMBER NB#321193230
EXAMINER SEAL

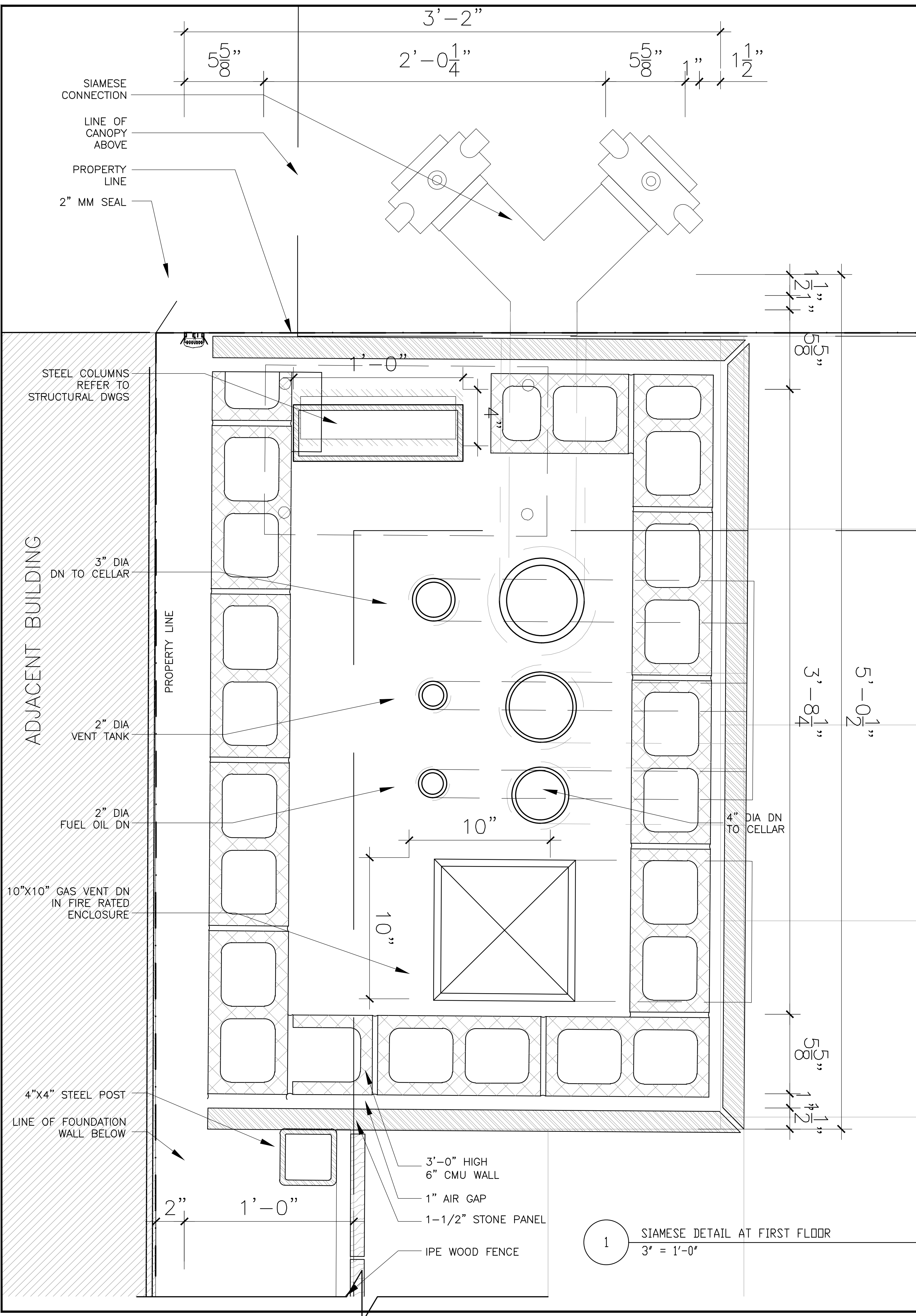
GENE KAUFMAN ARCHITECT PC
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BROOKLYN, NY 11217

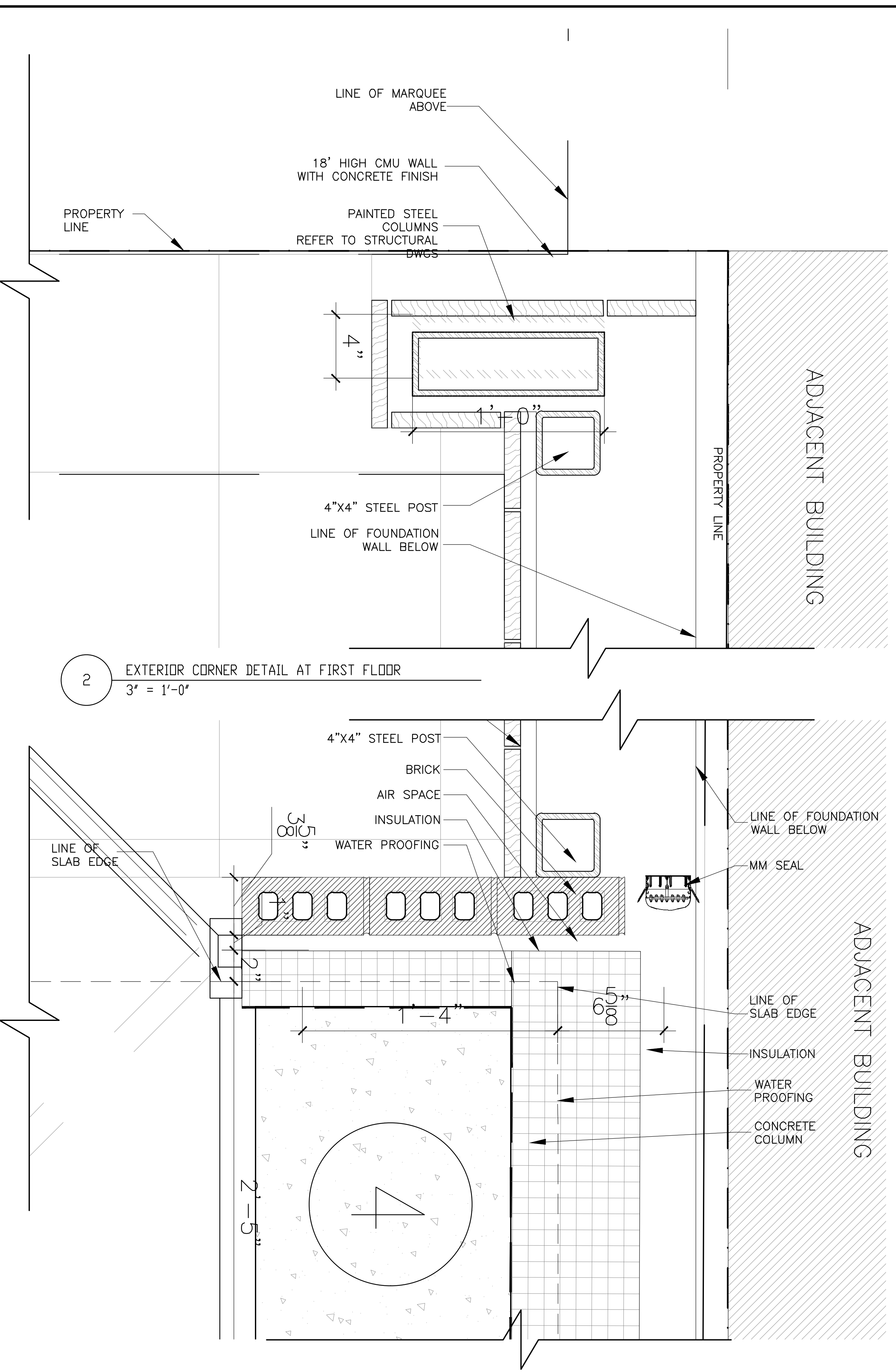
ENLARGED PLAN DETAILS

SEAL & SIGNATURE	DATE: 5/11/2017
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	DRAWING NUMBER:
	A-532.00
	PAGE #





1 SIAMESE DETAIL AT FIRST FLOOR
3' = 1'-0"



2 EXTERIOR CORNER DETAIL AT FIRST FLOOR
3' = 1'-0"

3 CORNER DETAIL AT FIRST FLOOR
3' = 1'-0"

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DATE	DESCRIPTION
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04/10/19/2017	ISSUED FOR DOB
03/10/02/2017	ISSUED FOR MODULAR
02/08/03/2017	ISSUED TO DOB
01/06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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MEP ENGINEER

JOB NUMBER NB#321193230

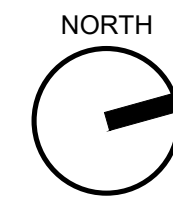
EXAMINER SEAL

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ENLARGED PLAN DETAILS

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DATE	DESCRIPTION
01	06/07/2017 ISSUED TO DOB
02	08/03/2017 ISSUED TO DOB
03	10/02/2017 ISSUED FOR MODULAR
04	10/19/2017 ISSUED FOR DOB
05	11/10/2017 ISSUED FOR BID SET
06	11/29/2017 ISSUED FOR DOB
07	03/30/2018 ISSUED 100% CD
08	06/22/2018 ISSUED TO DOB
09	08/28/2018 ISSUED TO DOB
10	10/19/2018 ISSUED ADDENDUM #1
11	01/11/2019 PAA ISSUED TO DOB

ISSUED DRAWINGS

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GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER


JOB NUMBER NB#321193230

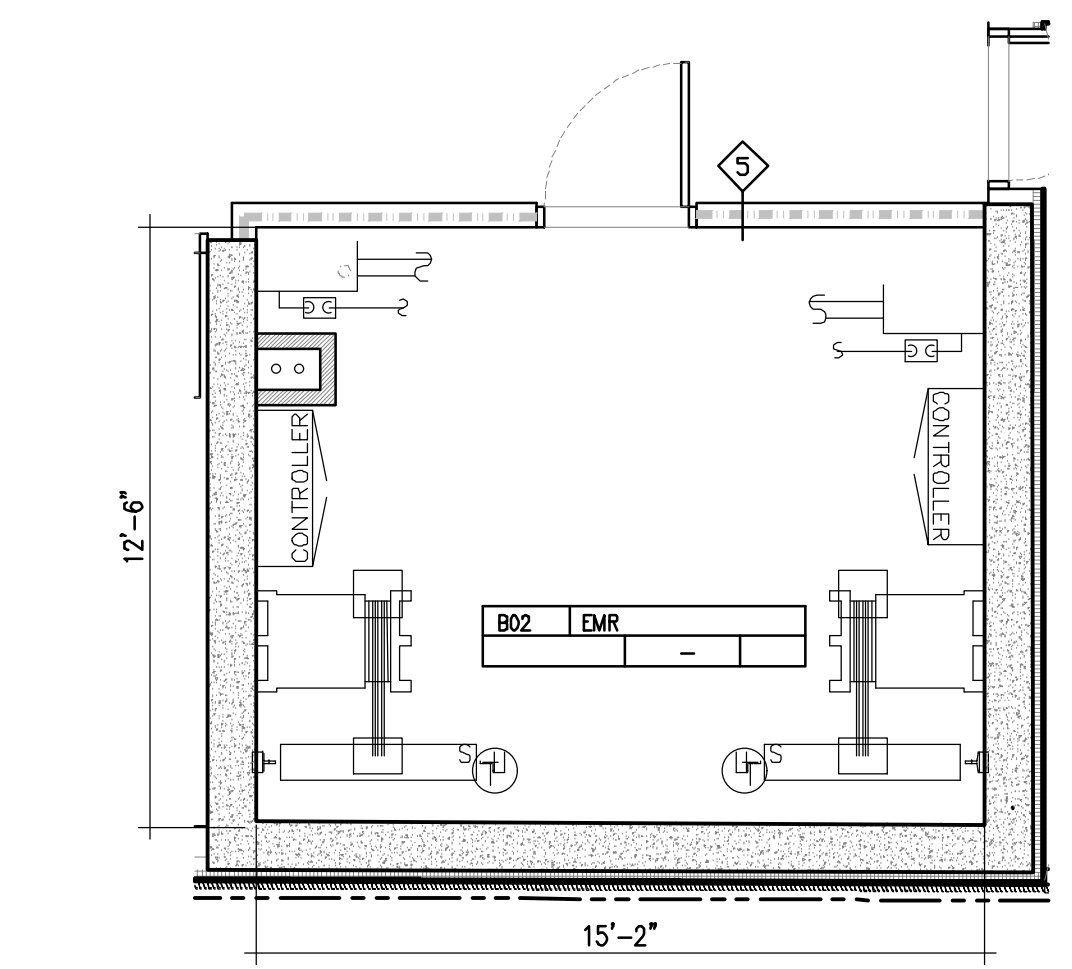
EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC
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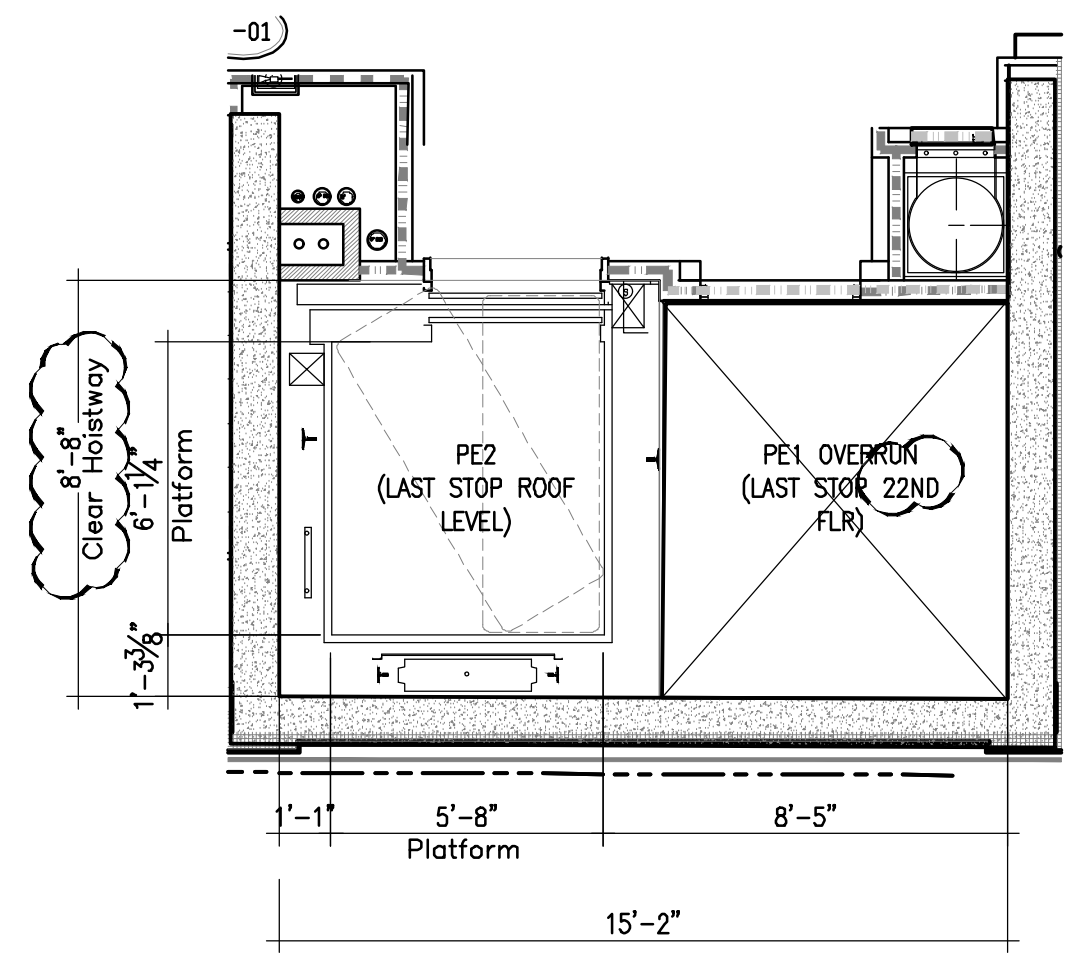
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ELEVATOR CAB DETAILS

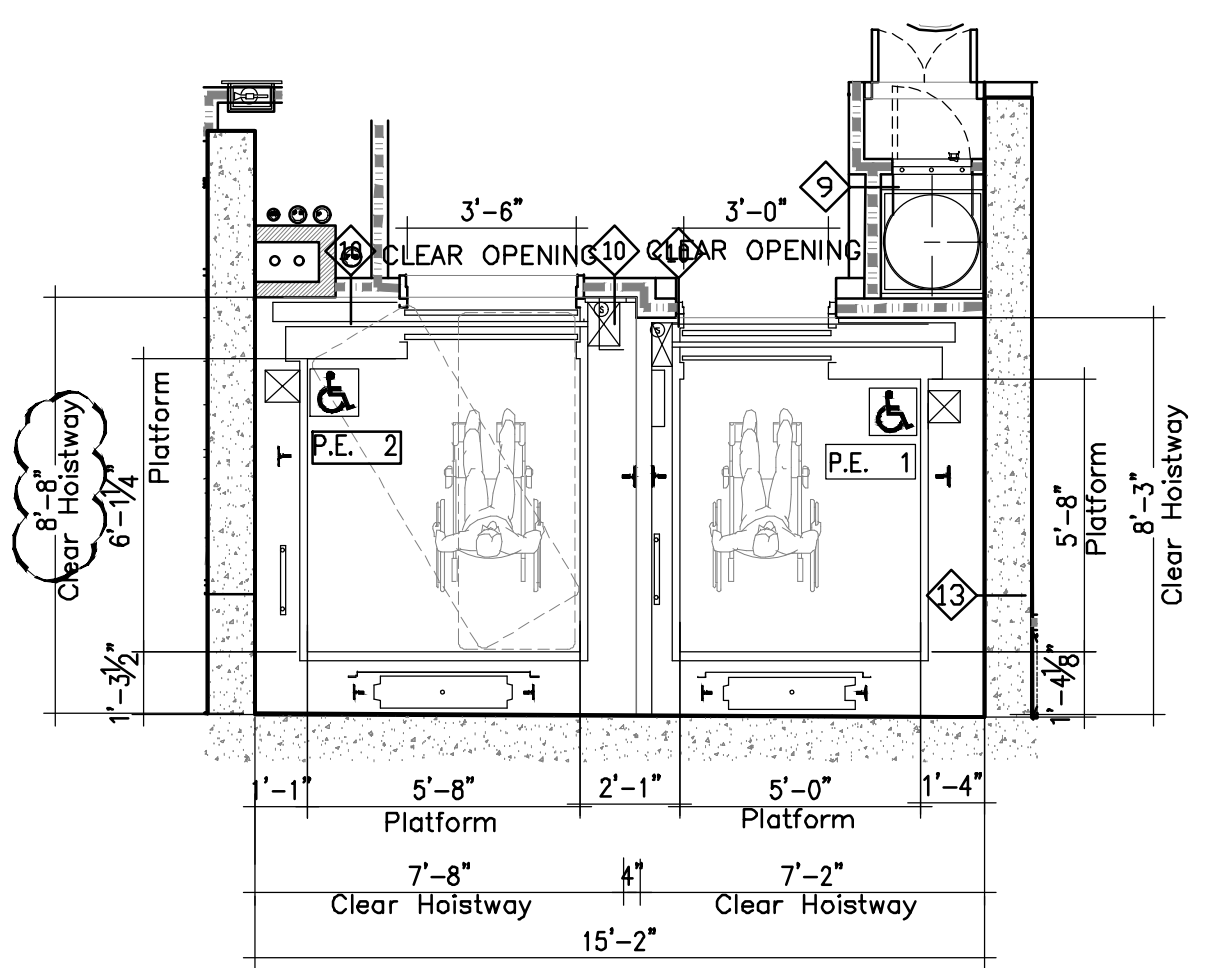
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PAGE #	



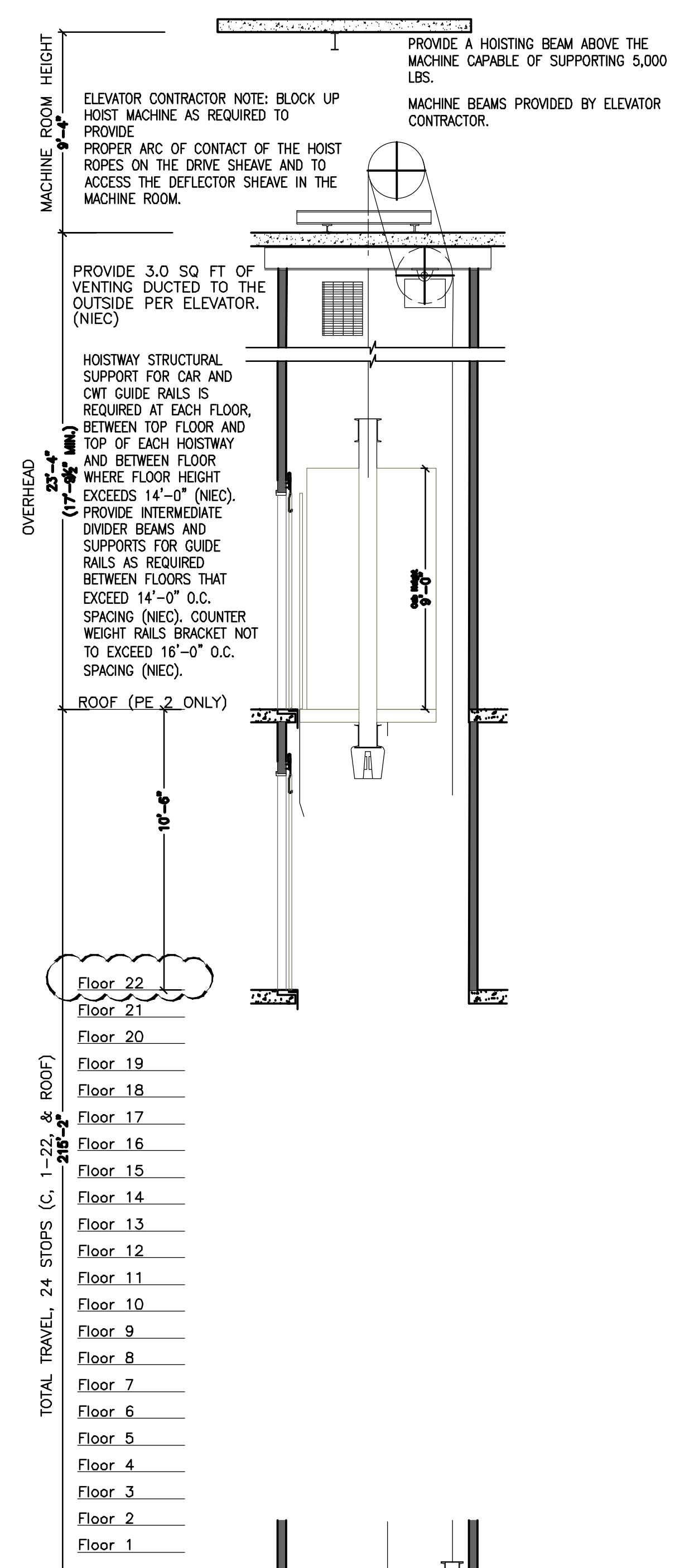
3 ELEVATORS 1 & 2 EMR FLOOR PLAN
 1/4" = 1'-0"



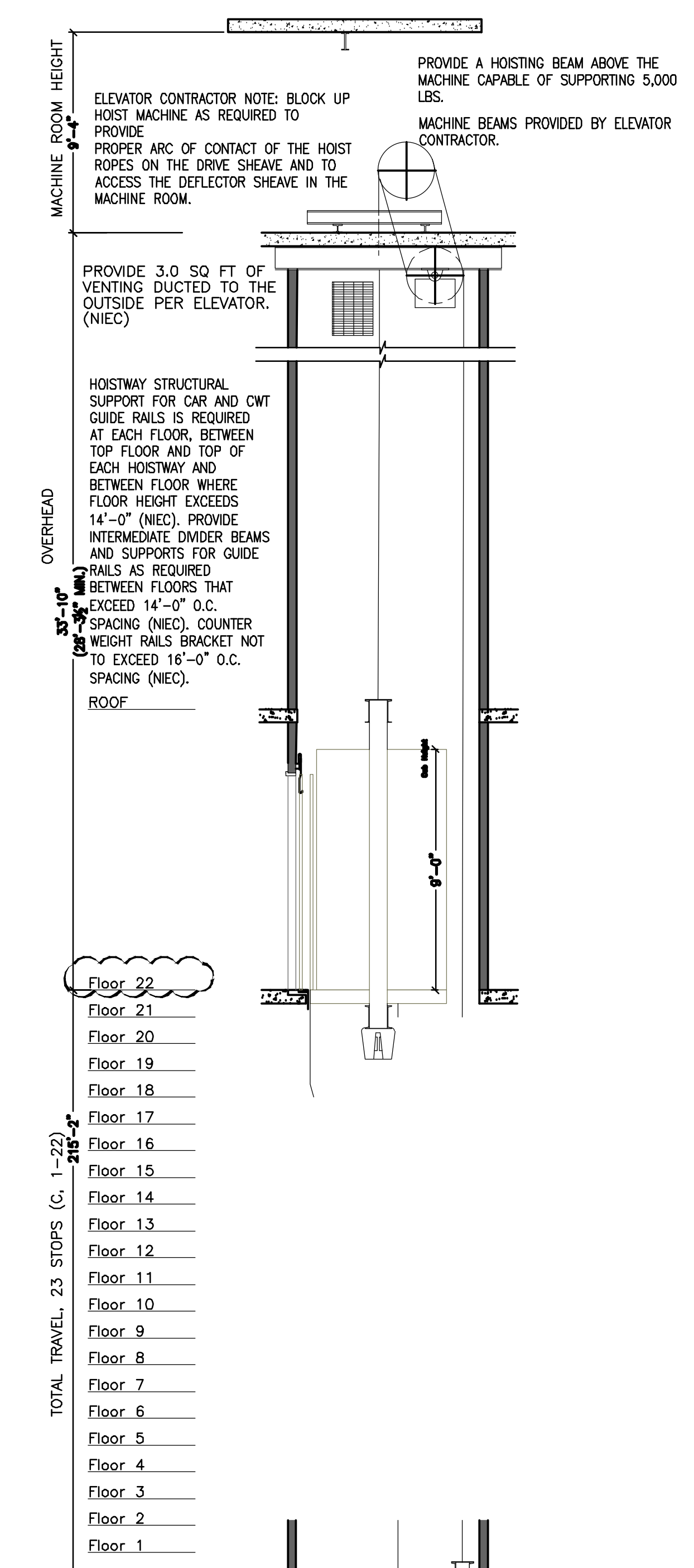
2 ELEVATORS 1 & 2 ROOF PLAN
 1/4" = 1'-0"



1 ELEVATORS 1 & 2 TYPICAL FLOOR PLAN
 1/4" = 1'-0"



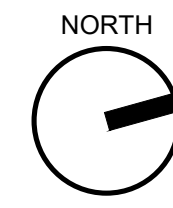
4 SECTION AT ELEVATOR 2
 1/4" = 1'-0"

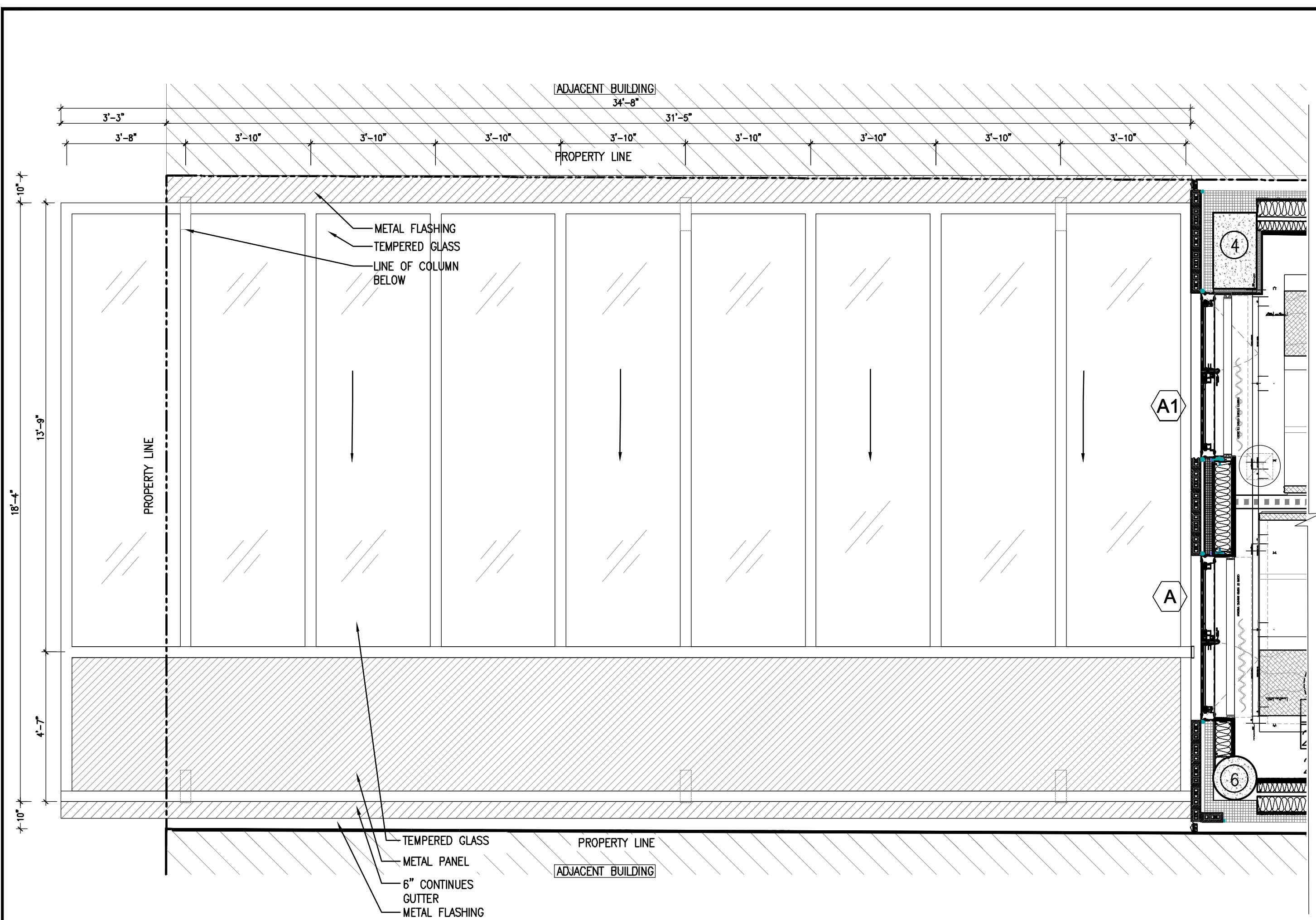


5 SECTION AT ELEVATOR 1
 1/4" = 1'-0"

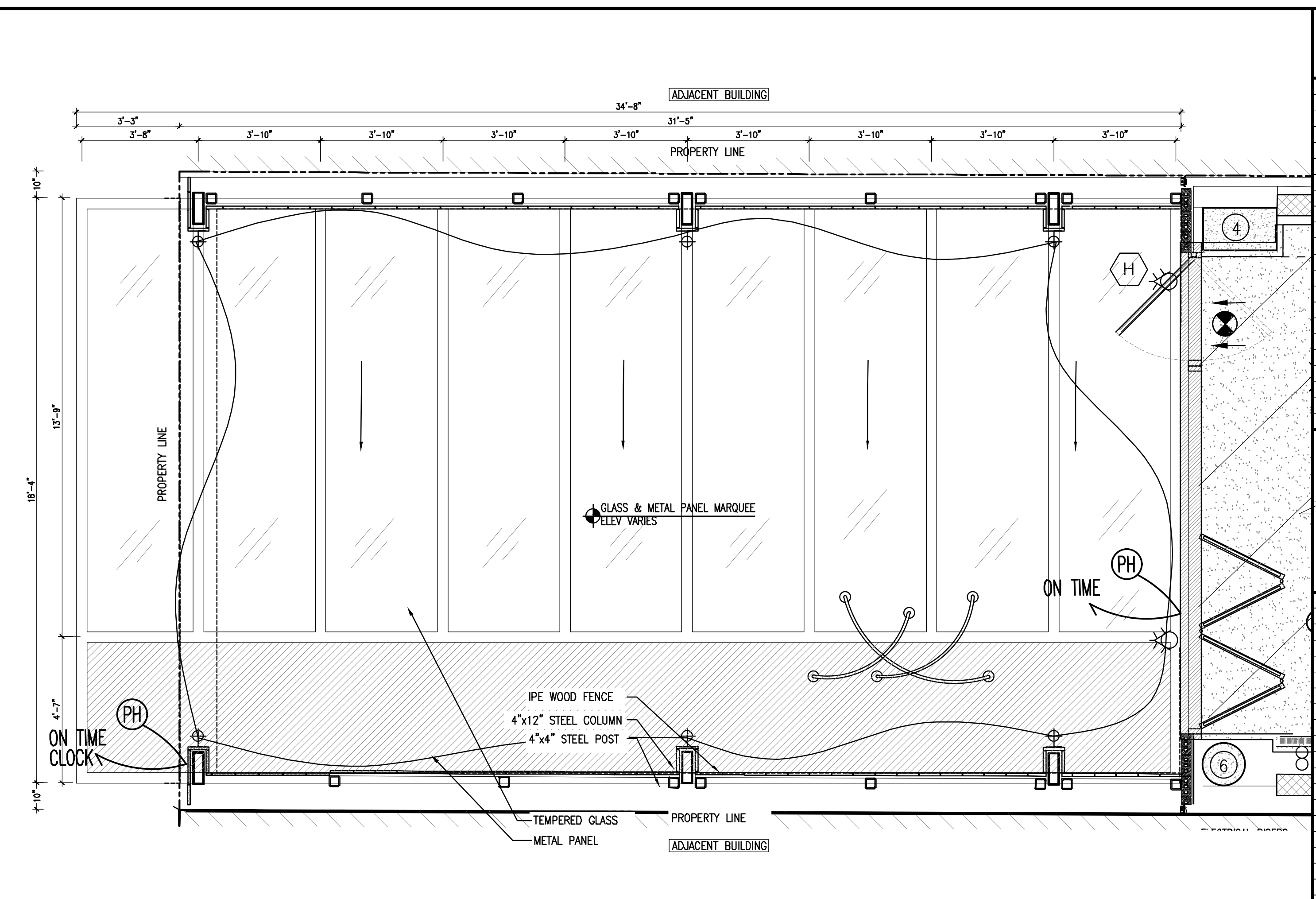
ELEVATOR CONTRACTOR TO PROVIDE BUFFER EXTENSIONS AND BUFFER INSPECTION PLATFORMS.
 PROVIDE DOOR AT PIT FLOOR LEVEL INTO PIT OR A METAL LADDER FROM 48 INCHES ABOVE THE LAST FLOOR SERVED TO PIT FLOOR FOR PIT ACCESS. (NIEC)
 NO OCCUPIED SPACE BELOW
 PROVIDE A PIT DRAIN (NOT DIRECTLY CONNECTED TO THE SEWER) OR A 2'X2'X2' SUMP AND PUMP. (NIEC)
 HOISTWAY SECTION PE2
 Capacity: 2100 LBS, Speed: 500 FPM
 HOISTWAY SECTION PE1
 Capacity: 3500 LBS, Speed: 500 FPM
 NOTE: CELLAR AND GROUND FLOORS SHOULD BE STAINLESS STEEL, BOTH FRAMES AND DOORS

ELEVATOR CONTRACTOR TO PROVIDE BUFFER EXTENSIONS AND BUFFER INSPECTION PLATFORMS.
 PROVIDE DOOR AT PIT FLOOR LEVEL INTO PIT OR A METAL LADDER FROM 48 INCHES ABOVE THE LAST FLOOR SERVED TO PIT FLOOR FOR PIT ACCESS. (NIEC)
 NO OCCUPIED SPACE BELOW
 PROVIDE A PIT DRAIN (NOT DIRECTLY CONNECTED TO THE SEWER) OR A 2'X2'X2' SUMP AND PUMP. (NIEC)
 HOISTWAY SECTION PE2
 Capacity: 2100 LBS, Speed: 500 FPM
 HOISTWAY SECTION PE1
 Capacity: 3500 LBS, Speed: 500 FPM
 NOTE: CELLAR AND GROUND FLOORS SHOULD BE STAINLESS STEEL, BOTH FRAMES AND DOORS

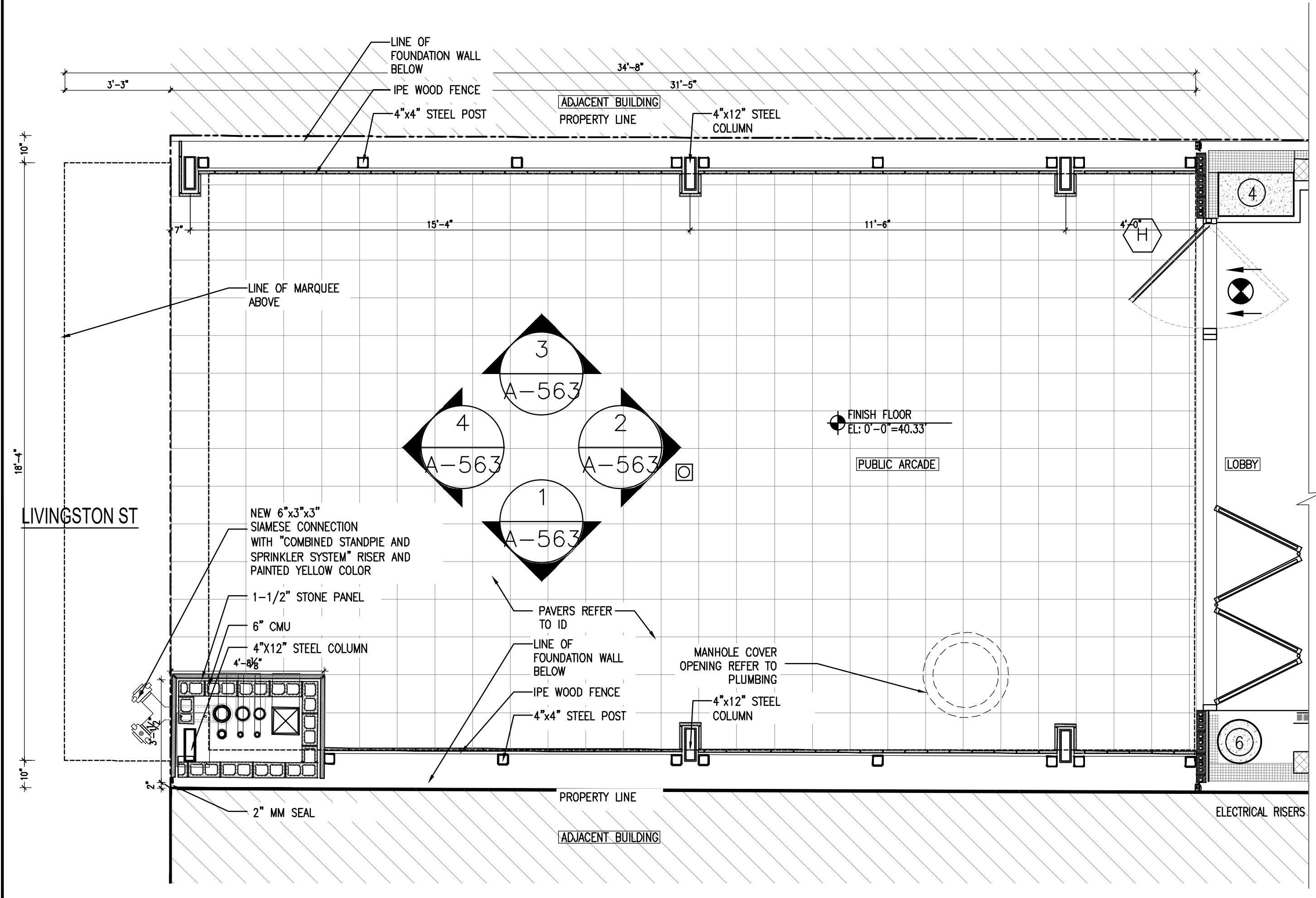




2 2ND FL MARQUEE PLAN @ LIVINGSTON ST
3/8" = 1'-0"



3 1ST FL MARQUEE RCP @ LIVINGSTON ST
3/8" = 1'-0"



1 1ST FL MARQUEE PLAN @ LIVINGSTON ST
3/8" = 1'-0"

GENERAL NOTE:
1 - PROPOSED AWNING IN COMPLIANCE WITH BUILDING SECTIONS 3105 AND SECTIONS 3202.3 THROUGH 3202.3.1.
TO BE FILED SEPARATELY

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DATE	DESCRIPTION
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ISSUED DRAWINGS

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79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

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79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

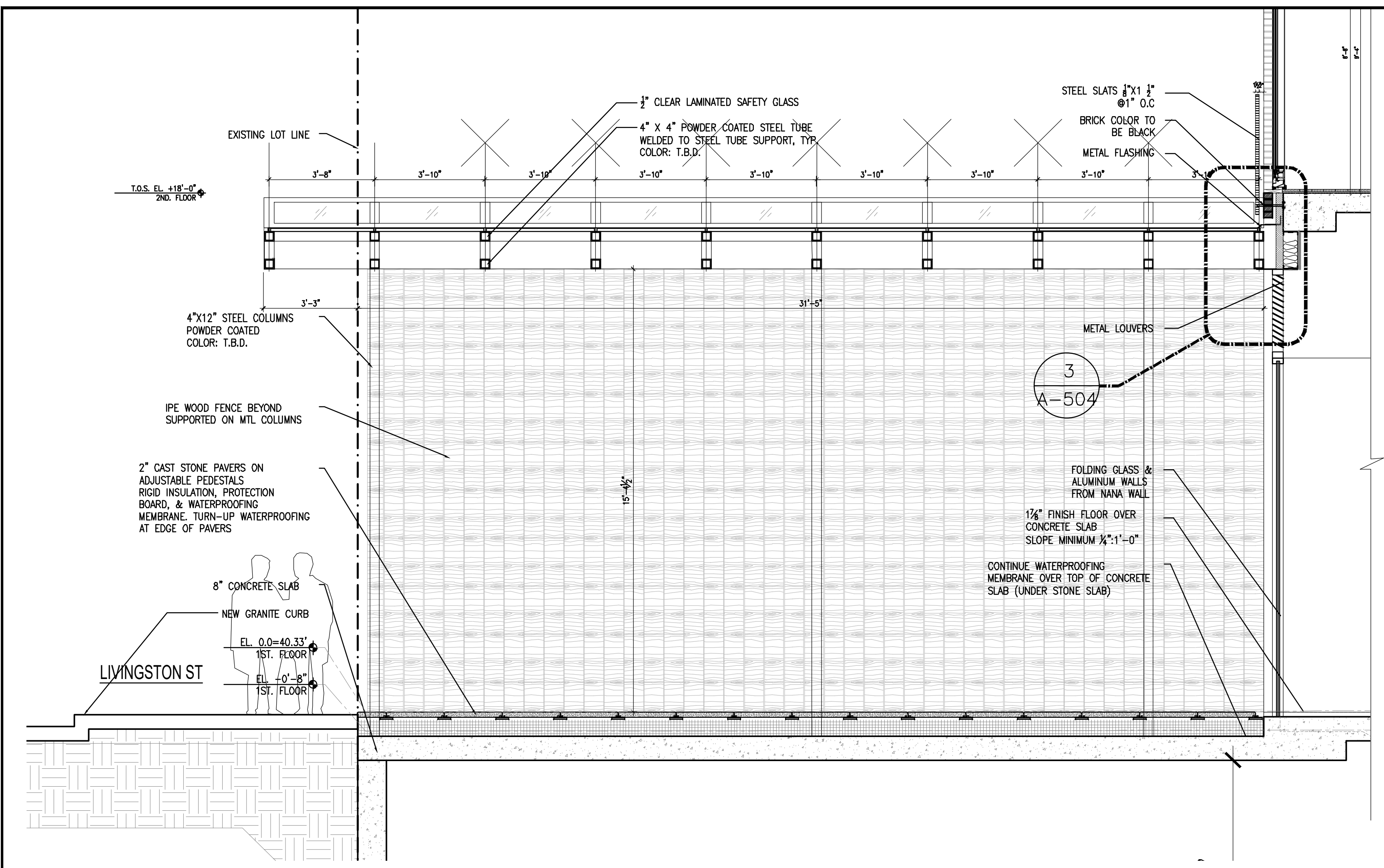
EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC
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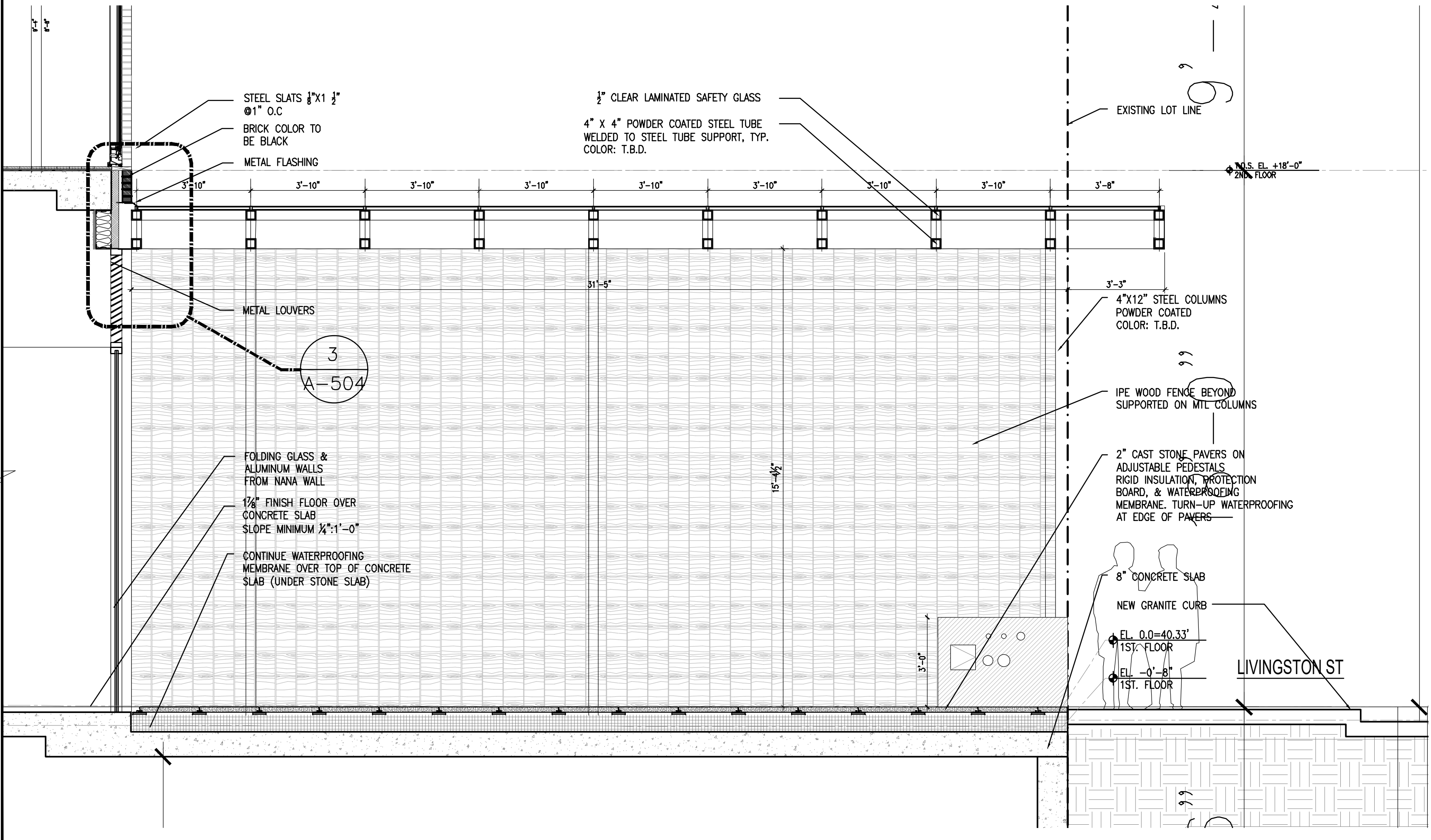
291 LIVINGSTON STREET
BROOKLYN, NY 11217

MARQUEE_PLANS @ LIVINGSTON ST

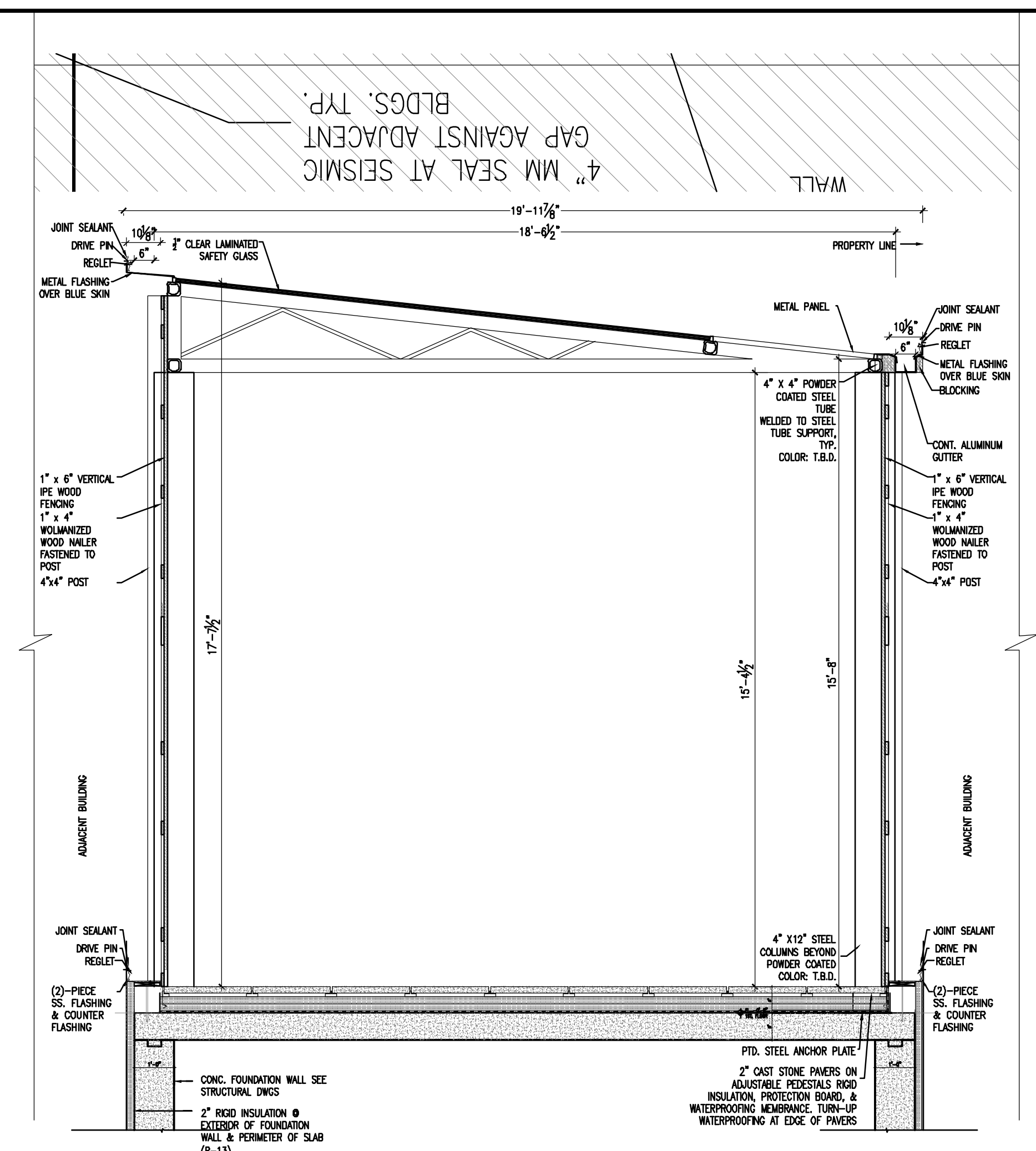
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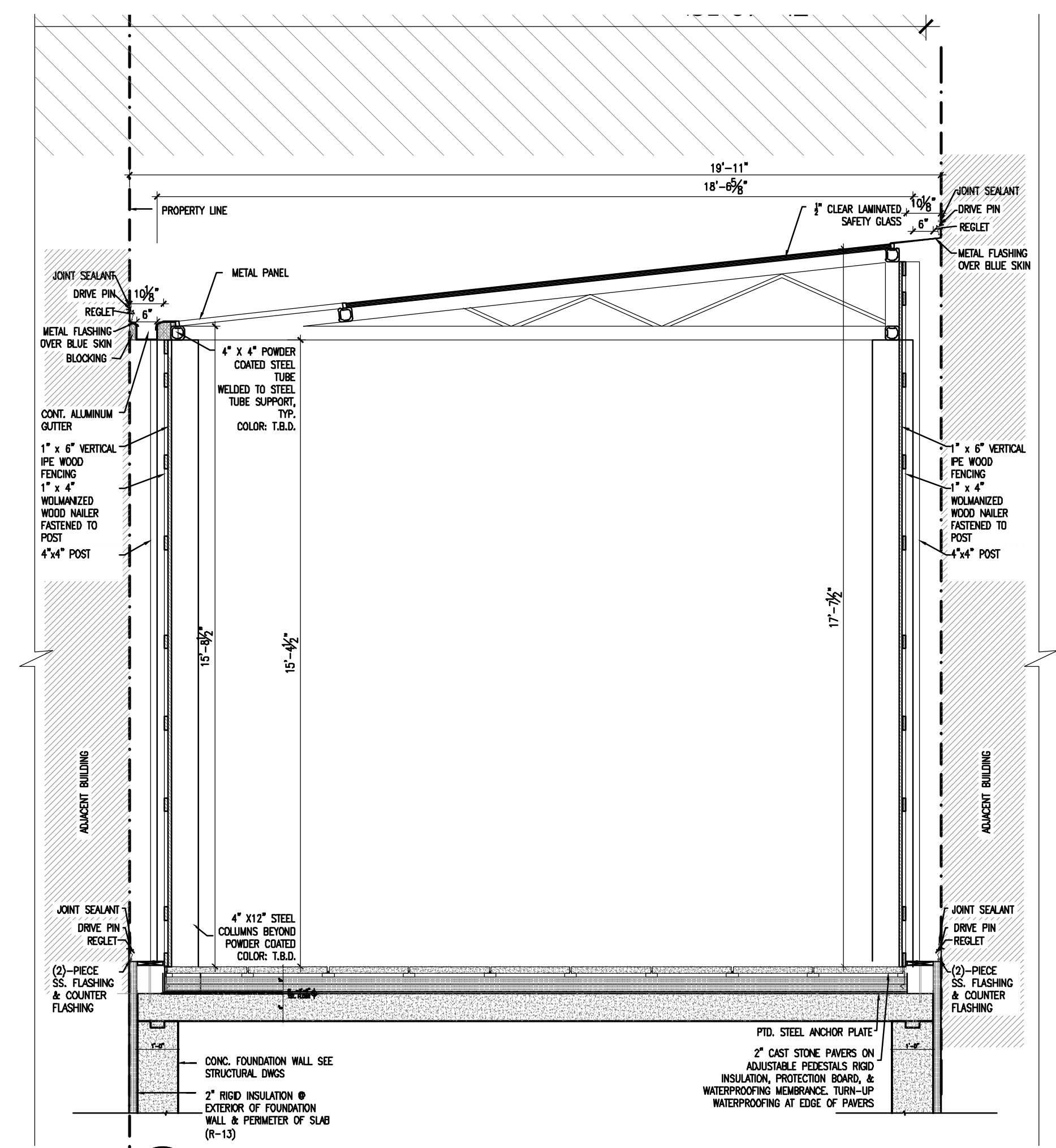
1 MARQUEE CROSS SECTION
3/8" = 1'-0"



3 MARQUEE CROSS SECTION2
3/8" = 1'-0"



2 MARQUEE SECTION
3/8" = 1'-0"



4 MARQUEE SECTION2
3/8" = 1'-0"

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06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
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ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T. 212 625 8700

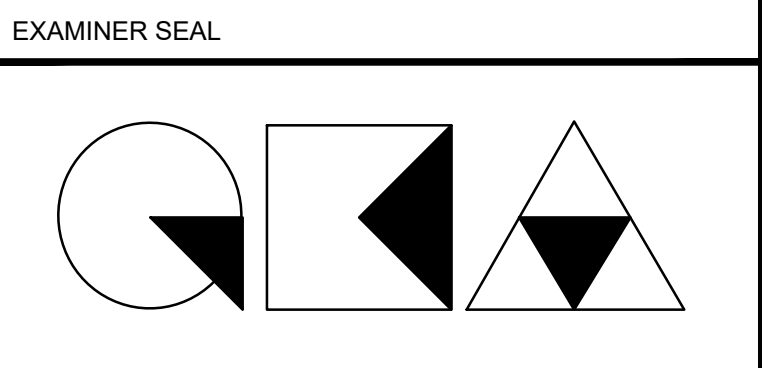
STRUCTURAL ENGINEER

GENE KAUFMAN ARCHITECT PC
79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T. 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL



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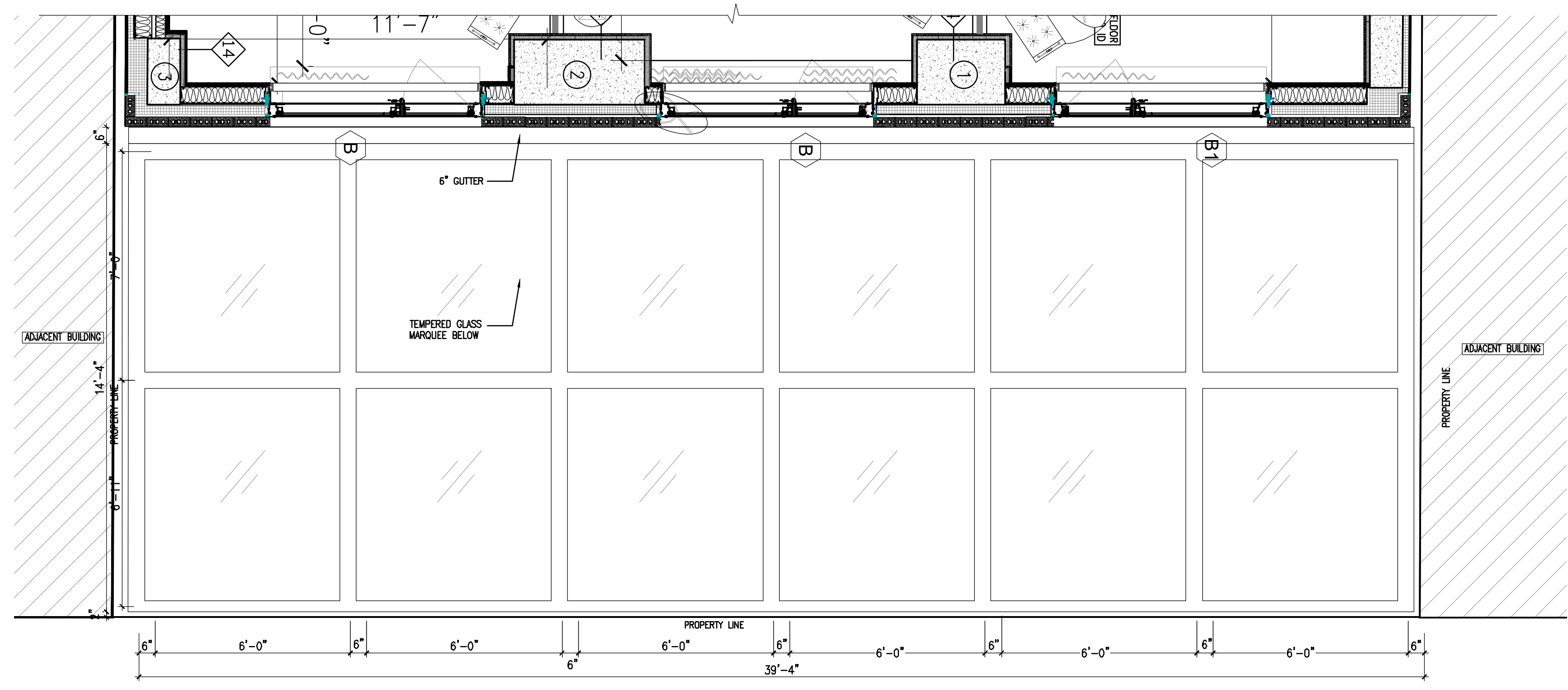
291 LIVINGSTON STREET
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MARQUEE_LIVINGSTON_SECTIONS

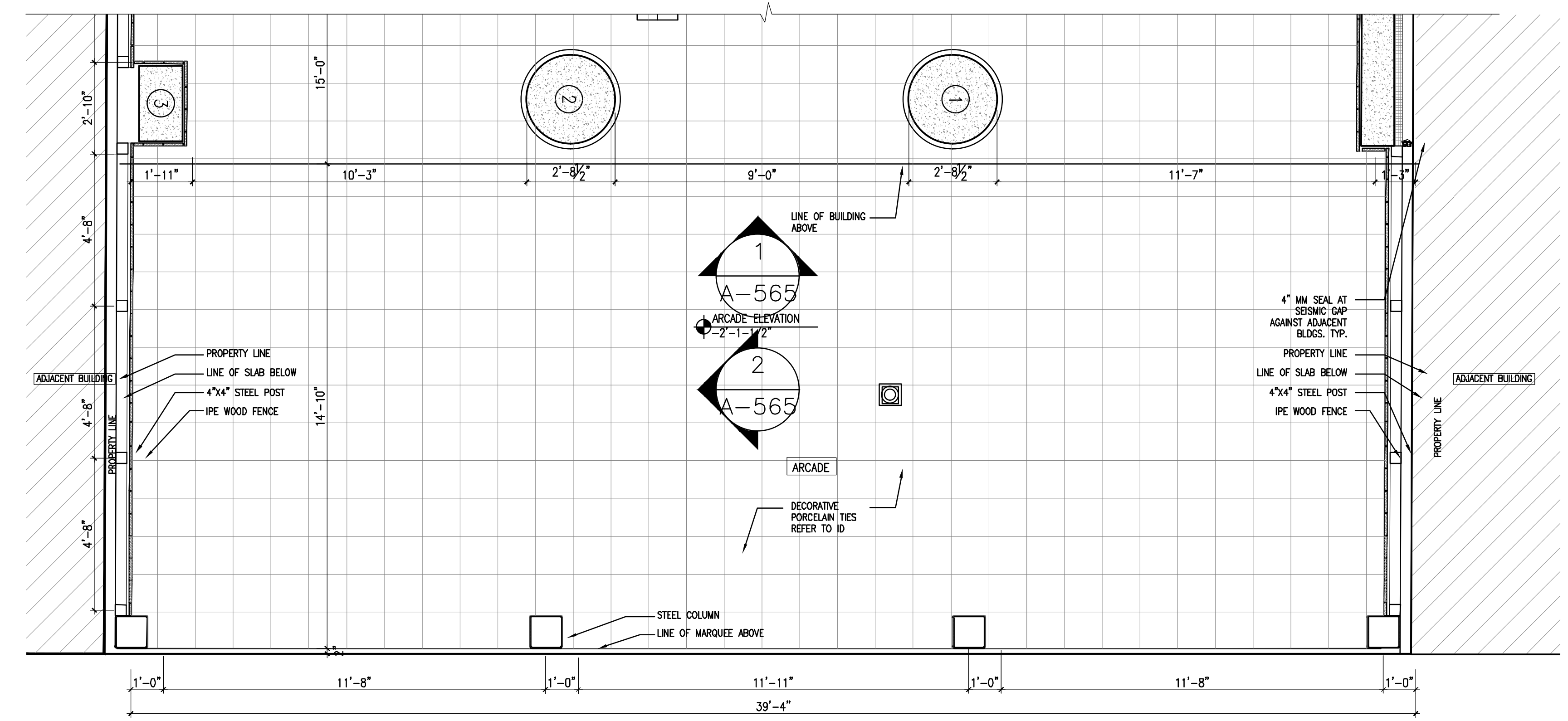
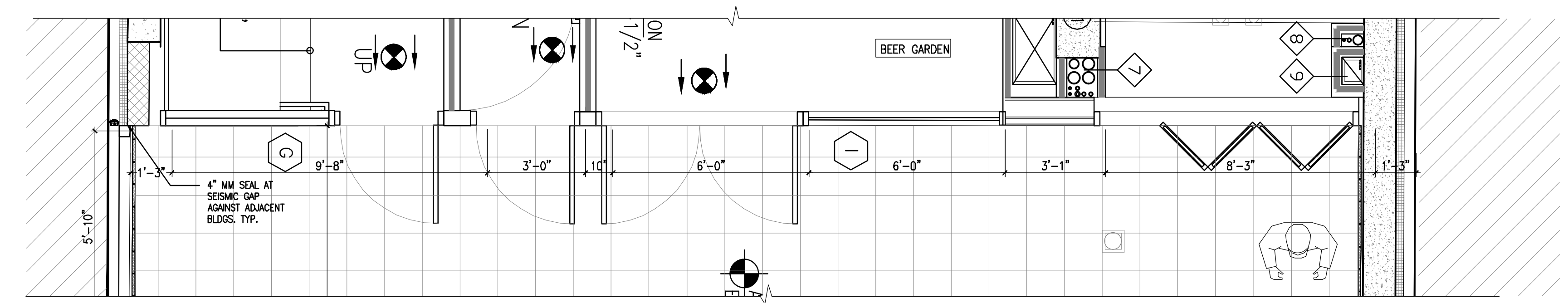
SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
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THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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1 MARQUEE 2ND FLOOR PLAN @ GROVE ST
Scale: 3/8" = 1'-0"



2 MARQUEE 1ST FLOOR PLAN @ GROVE ST
Scale: 3/8" = 1'-0"

DATE	DESCRIPTION
09	10/19/2018 ISSUED ADDENDUM #1
08	06/22/2018 ISSUED TO DOB
07	03/30/2018 ISSUED 100% CD
06	11/29/2017 ISSUED FOR DOB
05	11/10/2017 ISSUED FOR BID SET
04	10/19/2017 ISSUED FOR DOB
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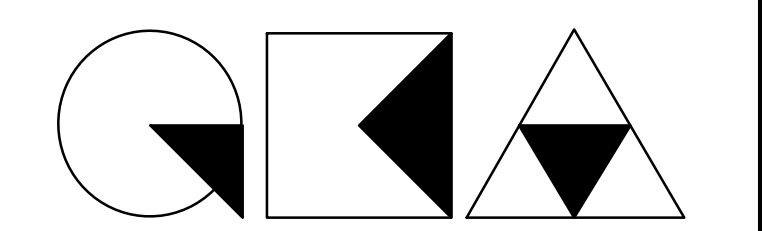
ISSUED DRAWINGS

 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER


 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 MEP ENGINEER

JOB NUMBER NB#321193230


EXAMINER SEAL

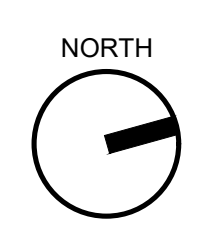


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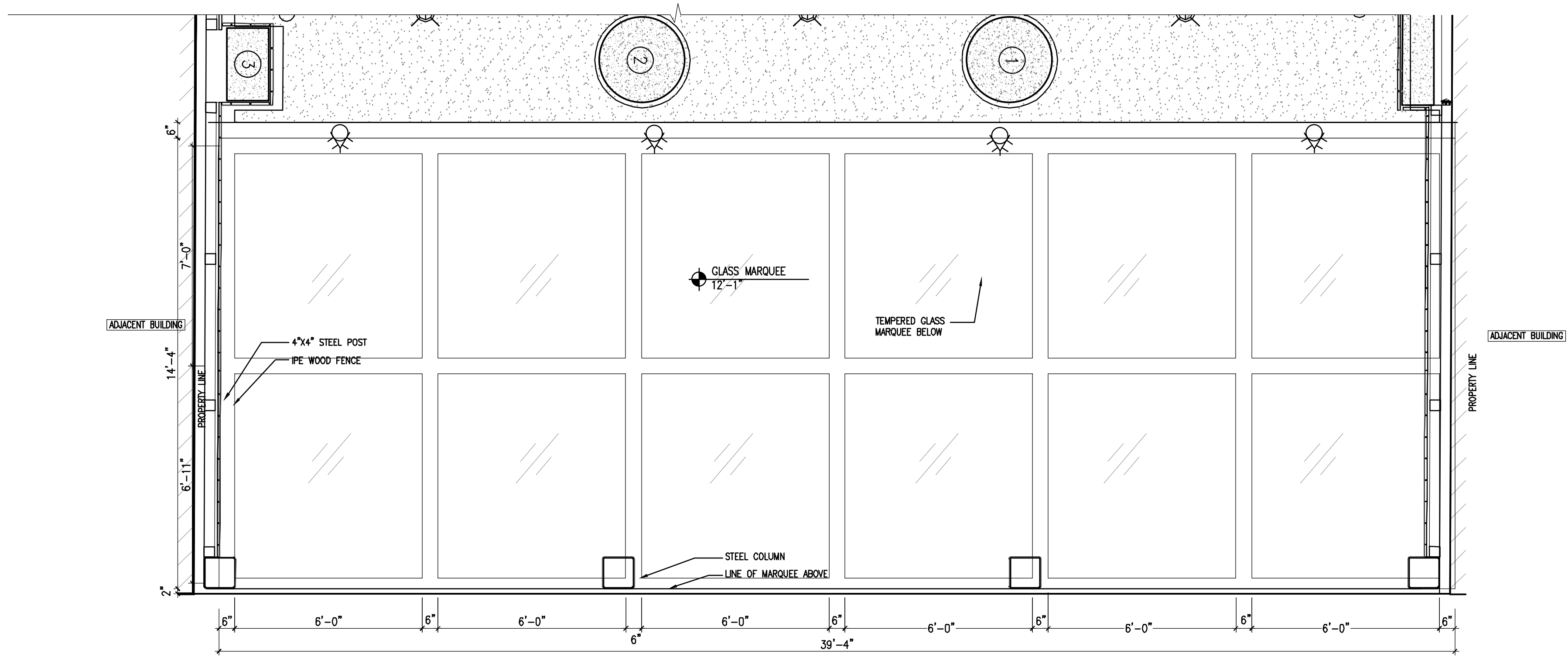
MARQUEE PLANS @ GROVE ST

SEAL & SIGNATURE:  DATE: 5/11/2017
 SCALE: AS NOTED
 DRAWING NUMBER: A-564.00
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THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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1 MARQUEE 1ST FLOOR RCP @GROOVE ST
Scale: 3/8" = 1'-0"

DATE	DESCRIPTION
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ISSUED DRAWINGS



GENE KAUFMAN ARCHITECT PC
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STRUCTURAL ENGINEER



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MEP ENGINEER

JOB NUMBER NB#321193230


EXAMINER SEAL

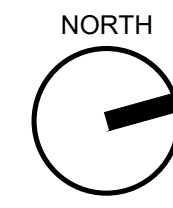


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MARQUEE PLANS @ GROVE ST

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-564a.00
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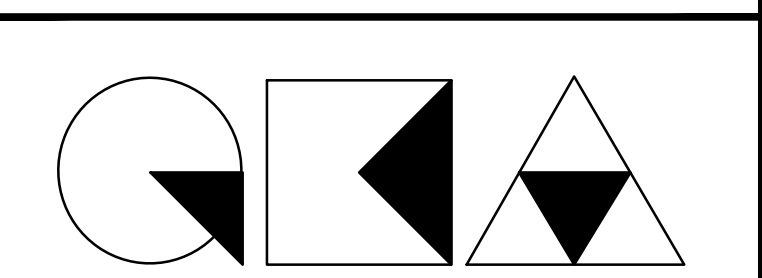
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ISSUED DRAWINGS

GENE KAUFMAN ARCHITECT PC
 79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700
 STRUCTURAL ENGINEER

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 MEP ENGINEER


JOB NUMBER NB#321193230

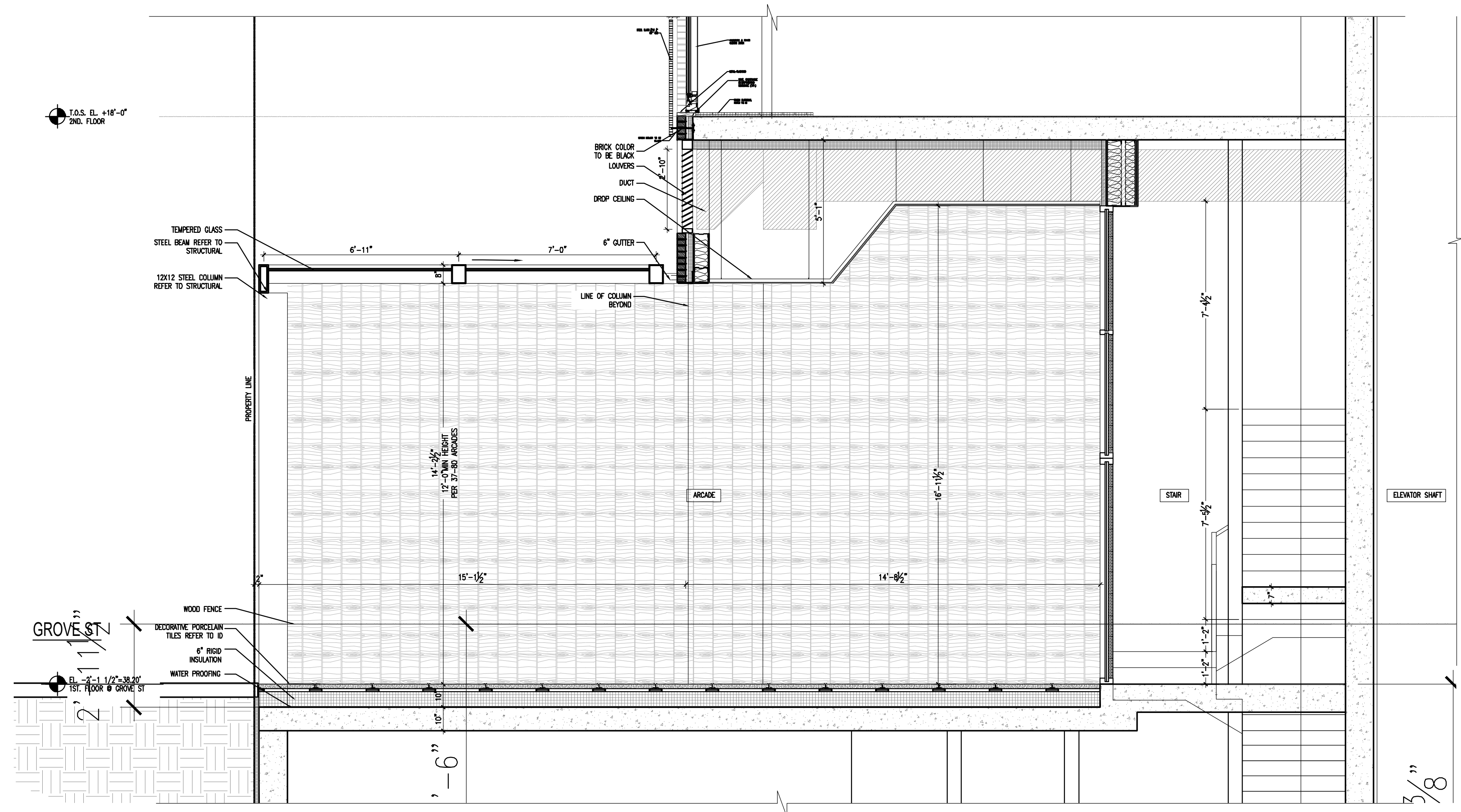


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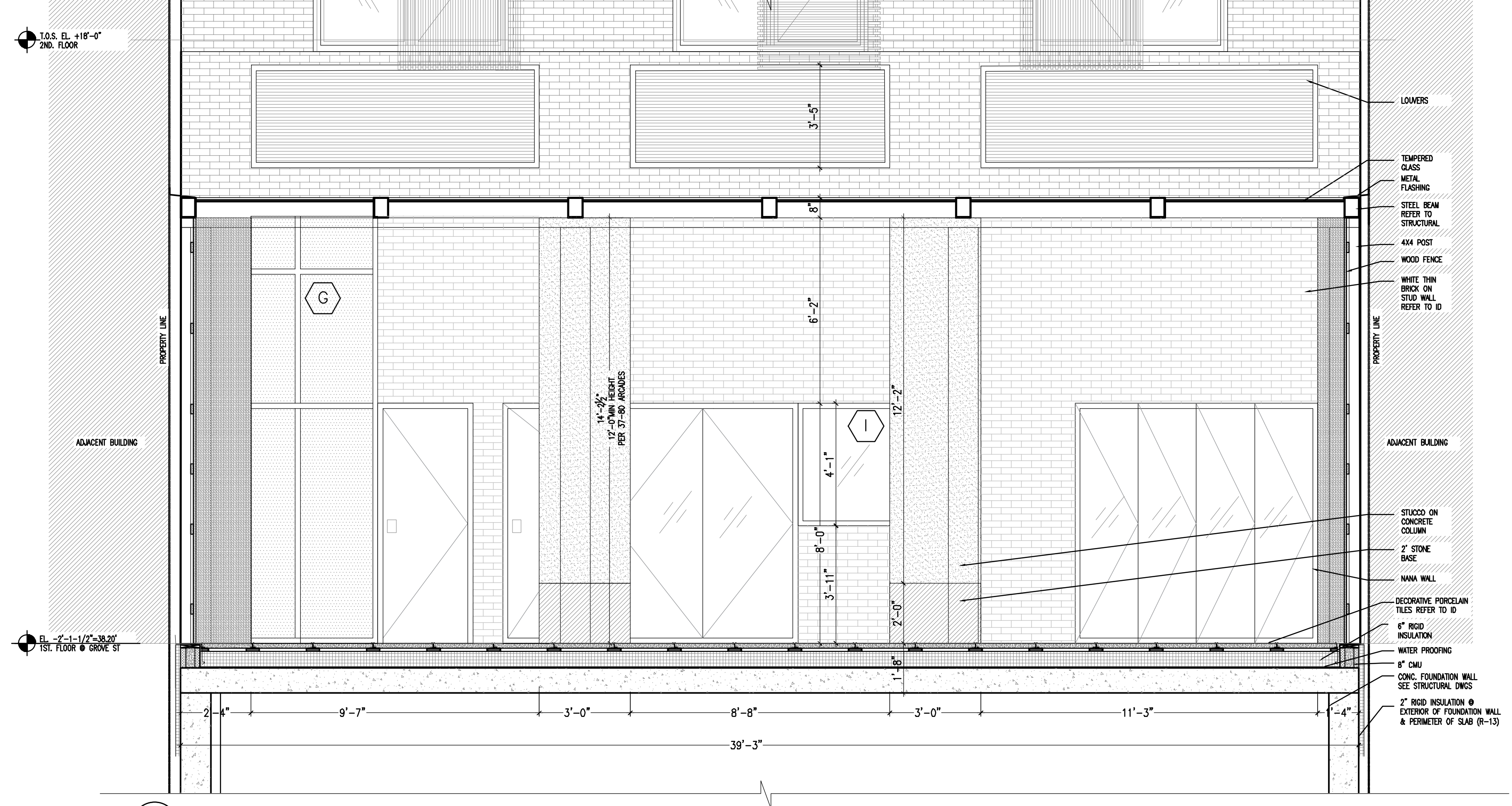
291 LIVINGSTON STREET
 BROOKLYN, NY 11217

ARCADE_PLAN AND SECTIONS

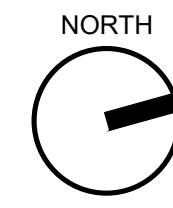
SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-565.00
	PAGE #



2 MARQUEE CROSS SECTION @ GROVE ST
 3/8" = 1'-0"



1 MARQUEE SECTION @ GROVE ST
 3/8" = 1'-0"

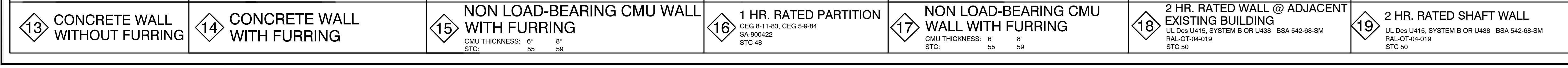
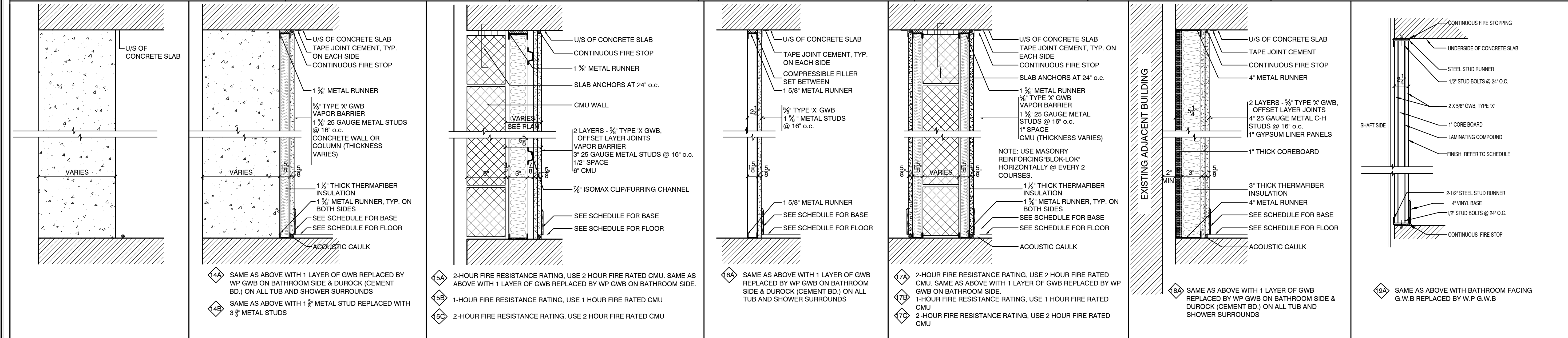
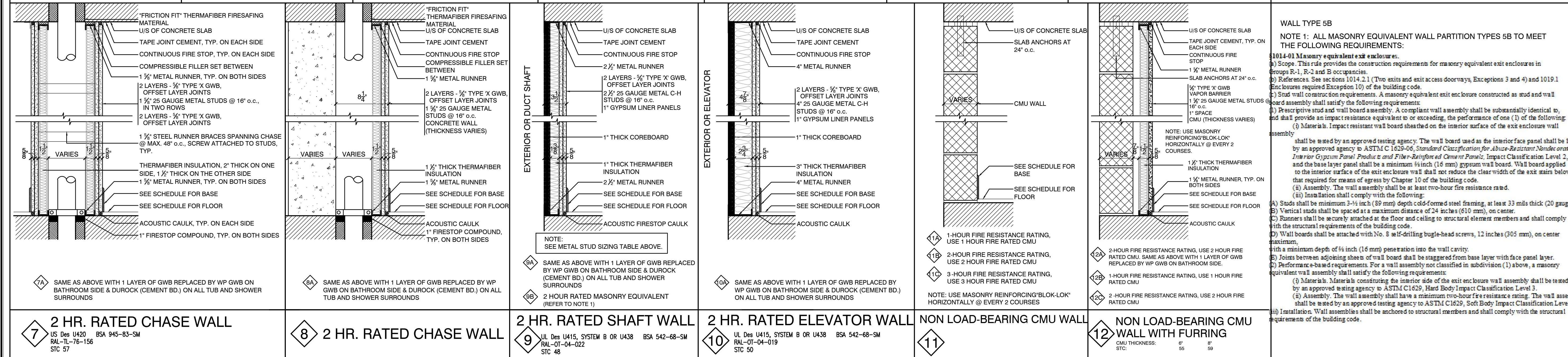
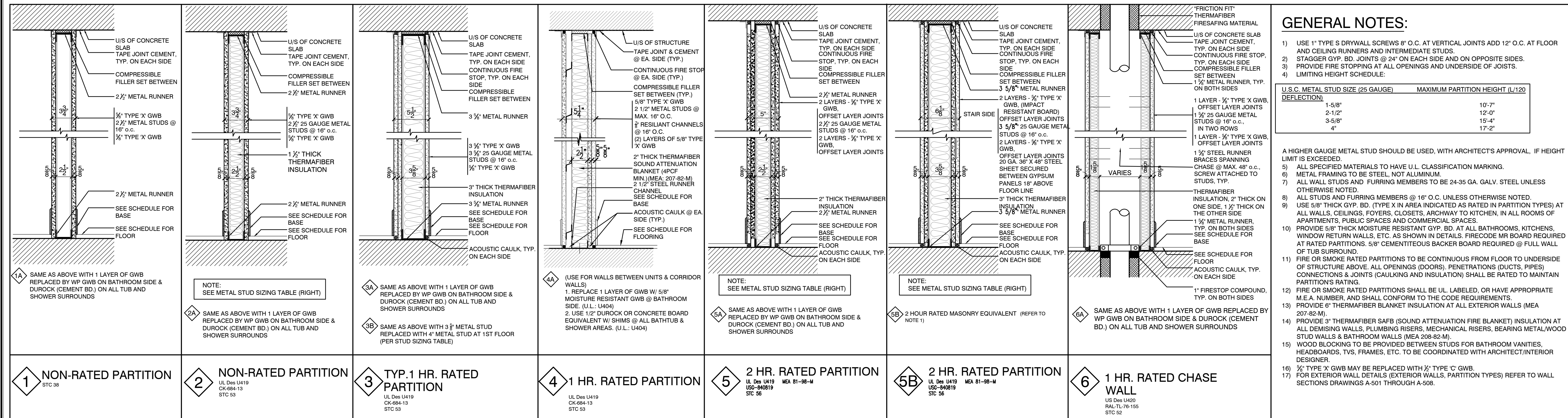


THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

GENERAL NOTES:

- USE 1" TYPE X DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS ADD 12" O.C. AT FLOOR AND CEILING RUNNERS AND INTERMEDIATE STUDS.
 - STAGGER GYP. BD. JOINTS @ 24" ON EACH SIDE AND ON OPPOSITE SIDES.
 - PROVIDE FIRE STOPPING AT ALL OPENINGS AND UNDERSIDE OF JOISTS.
 - LIMITING HEIGHT SCHEDULE:
- | U.S.C. METAL STUD SIZE (25 GAUGE) | MAXIMUM PARTITION HEIGHT (L/120 DEFLECTION) |
|-----------------------------------|---|
| 1-5/8" | 10'-7" |
| 2-1/2" | 12'-0" |
| 3-5/8" | 15'-4" |
| 4" | 17'-2" |
- A HIGHER GAUGE METAL STUD SHOULD BE USED, WITH ARCHITECT'S APPROVAL, IF HEIGHT LIMIT IS EXCEEDED.
 - ALL SPECIFIED MATERIALS TO HAVE U.L. CLASSIFICATION MARKING.
 - METAL FRAMING TO BE STEEL, NOT ALUMINUM.
 - ALL WALL STUDS AND FURRING MEMBERS TO BE 24-35 GA. GALV. STEEL UNLESS OTHERWISE NOTED.
 - ALL STUDS AND FURRING MEMBERS @ 16" O.C. UNLESS OTHERWISE NOTED.
 - USE 5/8" THICK GYP. BD. (TYPE X IN AREA INDICATED AS RATED IN PARTITION TYPES) AT ALL WALLS, CEILINGS, FOYERS, CLOSETS, ARCHWAY TO KITCHEN, IN ALL ROOMS OF APARTMENTS, PUBLIC SPACES AND COMMERCIAL SPACES.
 - PROVIDE 3" THICK MOISTURE RESISTANT GYP. BD. AT ALL BATHROOMS, KITCHENS, WINDOW RETURN WALLS, ETC. AS SHOWN IN DETAILS. FIRECODE MR BOARD REQUIRED AT RATED PARTITIONS. 5/8" CEMENTITIOUS BACKER BOARD REQUIRED @ FULL WALL OF TUB SURROUND.
 - FIRE OR SMOKE RATED PARTITIONS TO BE CONTINUOUS FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. ALL OPENINGS (DOORS, PENETRATIONS (DUCTS, PIPES) CONNECTIONS & JOINTS (CAULKING AND INSULATION) SHALL BE RATED TO MAINTAIN PARTITION'S RATING.
 - FIRE OR SMOKE RATED PARTITIONS SHALL BE U.L. LABELED, OR HAVE APPROPRIATE M.E.A. NUMBER, AND SHALL CONFORM TO THE CODE REQUIREMENTS.
 - PROVIDE 3" THERMAFIBER SAFB (SOUND ATTENUATION FIRE BLANKET) INSULATION AT ALL DEMISING WALLS, PLUMBING RISERS, MECHANICAL RISERS, BEARING INSULATION STUD WALLS & BATHROOM WALLS (MEA 208-82-M).
 - WOOD BLOCKING TO BE PROVIDED BETWEEN STUDS FOR BATHROOM VANITIES, HEADBOARDS, TVS, FRAMES, ETC. TO BE COORDINATED WITH ARCHITECT/INTERIOR DESIGNER.
 - 1/2" TYPE X GWB MAY BE REPLACED WITH 1/2" TYPE C GWB.
 - FOR EXTERIOR WALL DETAILS (EXTERIOR WALLS, PARTITION TYPES) REFER TO WALL SECTIONS DRAWINGS A-501 THROUGH A-508.

REVISIONS	DATE	DESCRIPTION
01		
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ISSUED DRAWINGS	DATE	DESCRIPTION
10	10/19/2018	ISSUED ADDENDUM #1
09	08/28/2018	ISSUED TO DOB
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

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MEP ENGINEER

JOB NUMBER: NB#321193230

291 LIVINGSTON STREET
 BROOKLYN, NY 11217

INTERIOR PARTITION TYPES

SEAL & SIGNATURE: [Signature]

DATE: 5/11/2017
 SCALE: NTS
 DRAWING NUMBER: A-601.00
 PAGE #

DOOR SCHEDULE

FLOOR	DOOR INFORMATION					FRAME INFORMATION				HARDWARE SET	REMARKS		
	DOOR NO.	TYPE	FROM	TO	SIZE	RATING	MATERIAL	SADDLE	MATERIAL			HEAD	JAMB
CELLAR	STC-A	E	CORRIDOR	STAIR A	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	4.0	FIRE PROTECTED SELF CLOSING DOOR
	STC-B	E	CORRIDOR	STAIR B	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H10	J10	4.0	FIRE PROTECTED SELF CLOSING DOOR
	C01	O	CORRIDOR	STORAGE	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H4	J4	6.0	FIRE PROTECTED SELF CLOSING DOOR
	C02	O	CORRIDOR	STORAGE	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H4	J4	6.0	FIRE PROTECTED SELF CLOSING DOOR
	C03	O	CORRIDOR	LINEN STORAGE	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR
	C04	O	CORRIDOR	CORRIDOR	3'-0" x 7'-0"	NR	HM	4	HM	H4	J4	6.0	
	C05	P	BREAK ROOM	BATHROOM	3'-0" x 7'-0"	NR	WD	1	HM	H6	J6	1.1	
	C06	H	ADMIN OFFICE	CLOSET	3'-0" x 7'-0"	1 1/2 HR	HM	4	HM	H4	J4	8.0	FIRE PROTECTED SELF CLOSING DOOR
	C07	H	CORRIDOR	BIKE STORAGE	3'-0" x 7'-0"	1 1/2 HR	HM	4	HM	H4	J4	8.0	FIRE PROTECTED SELF CLOSING DOOR
	C08	C	CORRIDOR	ADMIN OFFICE	3'-0" x 7'-0"	1 1/2 HR	HM	1	HM	H4	J4	6.0	FIRE PROTECTED SELF CLOSING DOOR
	C09	M	CORRIDOR	CORRIDOR	3'-0" x 7'-0"	NR	HM	4	HM	H8	J8	5.0	REVERSIBLE SWING DOOR
	C10	H	CORRIDOR	MECH CLOSET	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H4	J4	8.0	FIRE PROTECTED SELF CLOSING DOOR
	C11	O	CORRIDOR	TRASH COMPACTOR ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	5.0	FIRE PROTECTED SELF CLOSING DOOR
	C12	H	CORRIDOR	PBX	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	2.0	FIRE PROTECTED SELF CLOSING DOOR
	C13	R	CORRIDOR	ELECTRICAL ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	5.0	FIRE PROTECTED SELF CLOSING DOOR
	C14	H	CORRIDOR	FUEL OIL ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	2.0	FIRE PROTECTED SELF CLOSING DOOR
	C15	H	CORRIDOR	WATER ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	2.0	FIRE PROTECTED SELF CLOSING DOOR
	C16	H	CORRIDOR	GAS METER ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	5.0	FIRE PROTECTED SELF CLOSING DOOR
	C17	H	CORRIDOR	ELECTRICAL CLOSET	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H8	J8	5.0	FIRE PROTECTED SELF CLOSING DOOR
	C18	H	CORRIDOR	SOILED LINEN	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR
	C19	C	CORRIDOR	BATHROOM	3'-0" x 7'-0"	1 1/2 HR	WD	9	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR
C20	C	CORRIDOR	BATHROOM	3'-0" x 7'-0"	1 1/2 HR	WD	9	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR	
C21	H	CORRIDOR	SERVICE SINK	2'-5" x 7'-0"	1 1/2 HR	HM	5	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR	

FLOOR	DOOR INFORMATION					FRAME INFORMATION				HARDWARE SET	REMARKS		
	DOOR NO.	TYPE	FROM	TO	SIZE	RATING	MATERIAL	SADDLE	MATERIAL			HEAD	JAMB
1ST FLOOR	ST-A	E	CORRIDOR	STAIR A	3'-0" x 7'-0"	1 1/2 HR	HM	3	HM	H10	J10	4.0	FIRE PROTECTED SELF CLOSING DOOR
	ST-A1	E	CORRIDOR	STAIR A	3'-0" x 7'-0"	1 1/2 HR	HM	3	HM	H10	J10	4.0	FIRE PROTECTED SELF CLOSING DOOR
	ST-B	D	STAIR B	ARCADE	3'-0" x 8'-0"	1 1/2 HR	HM	3	HM	H5	J5	4.0	FIRE PROTECTED SELF CLOSING DOOR, U-FACTOR 0.25
	ST-B1	D	STAIR B	ARCADE	3'-0" x 8'-0"	1 1/2 HR	HM	3	HM	H5	J5	4.0	FIRE PROTECTED SELF CLOSING DOOR, U-FACTOR 0.25
	101	F	BAR	PUBLIC ARCADE	8'-1" x 8'-0"	NR	AL/GL	12	HM	H5	J5	12.0	MULTI PANEL FOLDING GLASS NANA WALL, U-FACTOR 0.25
	102	C	FRONT DESK	OFFICE	3'-0" x 7'-0"	1 1/2 HR	HM	3	HM	H4	J4	4.0	FIRE PROTECTED SELF CLOSING DOOR
	103	H	CORRIDOR	CLOSET	3'-0" x 7'-0"	1 1/2 HR	HM	4	HM	J4	J4	4.0	FIRE PROTECTED SELF CLOSING DOOR
	104	G	CORRIDOR	PUBLIC ARCADE	(2)3'-0" x 8'-0"	NR	AL/GL	10	HM	H5	J5	8.0	U-FACTOR 0.25

FLOOR	DOOR INFORMATION					FRAME INFORMATION				HARDWARE SET	REMARKS		
	DOOR NO.	TYPE	FROM	TO	SIZE	RATING	MATERIAL	SADDLE	MATERIAL			HEAD	JAMB
2ND-6TH FLOOR	ST-A	E	CORRIDOR	STAIR A	3'-0" x 7'-0"	1 1/2 HR	HM	13	HM	H10	J10	4.0	FIRE PROTECTED SELF CLOSING DOOR
	ST-B	E	CORRIDOR	STAIR B	3'-0" x 7'-0"	1 1/2 HR	HM	13	HM	H10	J10	4.0	FIRE PROTECTED SELF CLOSING DOOR
	-01	A	CORRIDOR	ADA HOTEL ROOM	3'-0" x 7'-0"	3/4 HR	WD	2	HM	H2.1	J2.1	2.0	
	-02	B	HOTEL ROOM	ADA BATHROOM	3'-0" x 7'-0"	NR	WD	6	WD	H3	J3	1.1	SLIDING DOOR
	-03	A	CORRIDOR	HOTEL ROOM	3'-0" x 7'-0"	3/4 HR	WD	2	HM	H2.1	J2.1	2.0	
	-04	B	HOTEL ROOM	BATHROOM	3'-0" x 7'-0"	NR	WD	6	HM	H3	J3	13.0	SLIDING DOOR
	-05	A	CORRIDOR	ADA HOTEL ROOM	3'-0" x 7'-0"	3/4 HR	WD	2	HM	H2.1	J2.1	2.0	
	-06	C1(2ND-6TH FL)/B(7TH-21TH FL)	HOTEL ROOM	ADA BATHROOM	3'-0" x 7'-0"	NR	GL(2ND-6TH FL)/WD(7TH-21TH FL)	9(2ND-6TH FL)/6(7TH-21TH FL)	HM	H2.1(2ND-6TH FL)/H3(7TH-21TH FL)	J2.1(2ND-6TH FL)/J3(7TH-21TH FL)	13.0	TRANSLUCENT GLASS DOOR ON 2ND-6TH FL/SLIDING DOOR ON 7H-21TH FL
	-08	N	CORRIDOR	LINEN CHUTE	(2) 1'-0" x 7'-0"	1 1/2 HR	HM	13	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR
	-09	A	CORRIDOR	HOTEL ROOM	3'-0" x 7'-0"	3/4 HR	WD	2	HM	H2.1	J2.1	2.0	
	-10	B	HOTEL ROOM	BATHROOM	2'-8" x 7'-0"	NR	WD	6	WD	H3	J3	1.1	SLIDING DOOR
	-11	A	CORRIDOR	HOTEL ROOM	3'-0" x 7'-0"	3/4 HR	WD	2	HM	H2.1	J2.1	2.0	
	-12	B	HOTEL ROOM	BATHROOM	2'-8" x 7'-0"	NR	WD	6	WD	H3	J3	1.1	SLIDING DOOR
	-13	N	CORRIDOR	ELECTRICAL CLOSET	(2) 2'-3" x 7'-0"	1 1/2 HR	HM	13	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR
	-14	N	CORRIDOR	LOW VOLTAGE CLOSET	(2) 2'-4" x 7'-0"	1 1/2 HR	HM	13	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR
	-15	N	CORRIDOR	ACCESS PANEL CLOSET	(2) 2'-11" x 7'-0"	1 1/2 HR	HM	13	HM	H4	J4	5.0	FIRE PROTECTED SELF CLOSING DOOR
-16	P	CORRIDOR	CORRIDOR	3'-0" x 7'-0"	NR	WD	-	HM	H4	J4	5.0		

FLOOR	DOOR INFORMATION					FRAME INFORMATION				HARDWARE SET	REMARKS		
	DOOR NO.	TYPE	FROM	TO	SIZE	RATING	MATERIAL	SADDLE	MATERIAL			HEAD	JAMB
ROOF	ST-A	E	STAIR A	TERRACE	3'-0" x 7'-0"	1 1/2 HR	HM	7	HM	H10	J10	4.0	FIRE PROTECTED SELF CLOSING DOOR, U-FACTOR 0.25 PANIC HARDWARE
	ST-B	E	STAIR B	MECHANICAL ROOF	3'-0" x 7'-0"	1 1/2 HR	HM	7	HM	H10	J10	4.0	FIRE PROTECTED SELF CLOSING DOOR, U-FACTOR 0.25 PANIC HARDWARE
	R01	P	ELEVATOR LOBBY	MECHANICAL ROOF	3'-0" x 7'-0"	1 1/2 HR	WD	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR
	R02	P	ELEVATOR LOBBY	ROOF TERRACE	3'-0" x 7'-0"	1 1/2 HR	WD	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR, U-FACTOR 0.25
	R03	H	EXTERIOR STAIR	MECHANICAL ROOF	3'-0" x 7'-0"	NR	HM	-	HM	-	-	11.0	
R04	C	ELEVATOR LOBBY	BATHROOM	3'-0" x 7'-0"	NR	WD	4	HM	H9	J9	11.0		

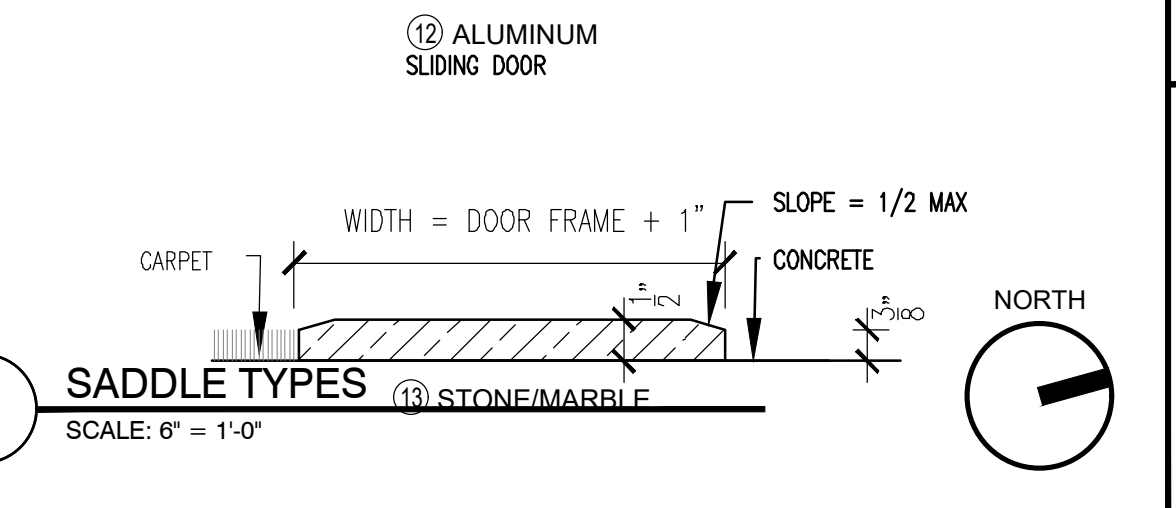
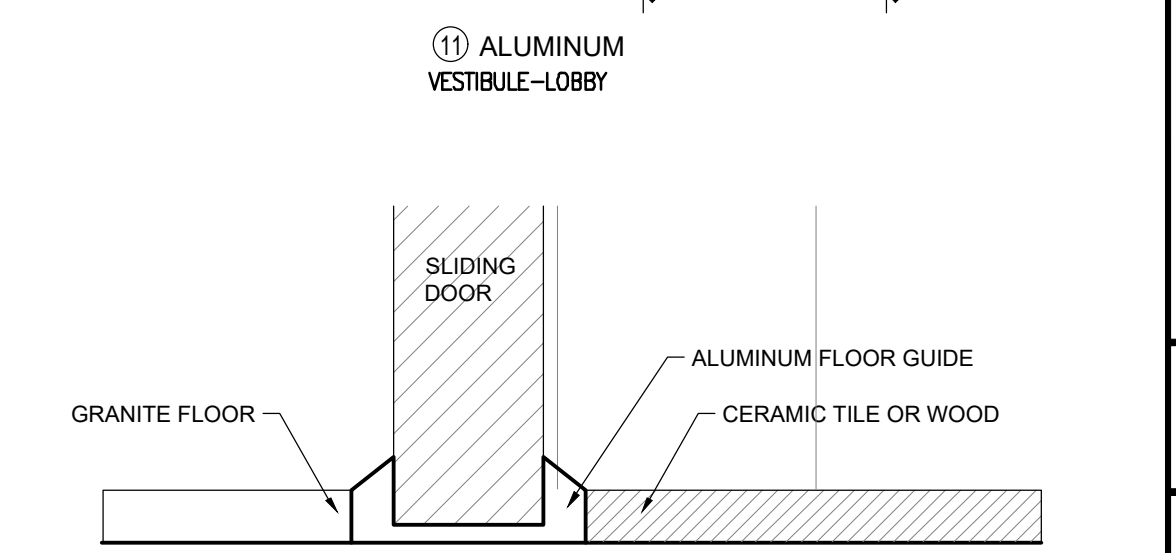
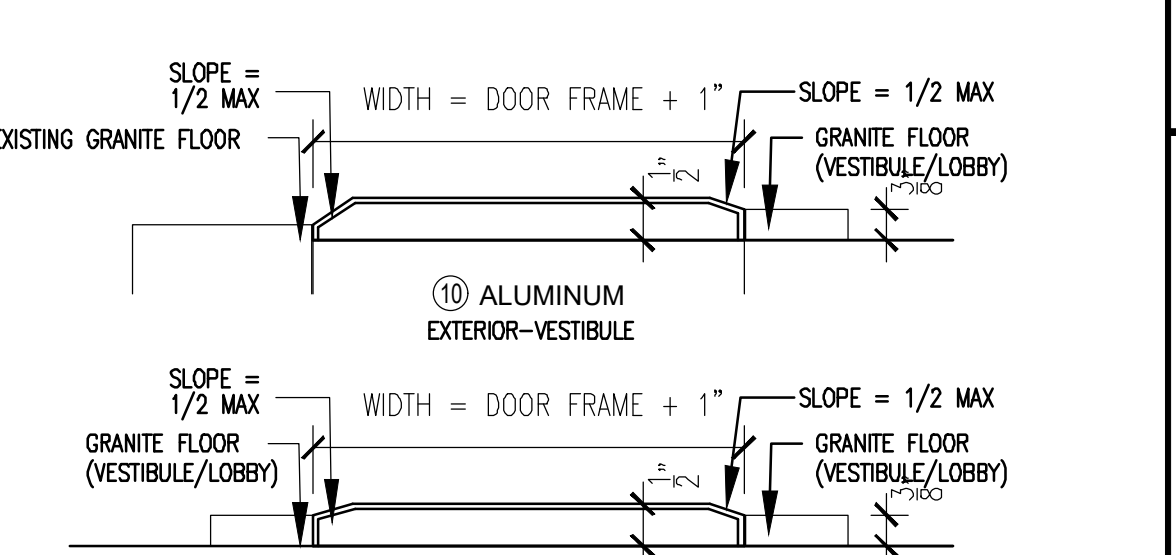
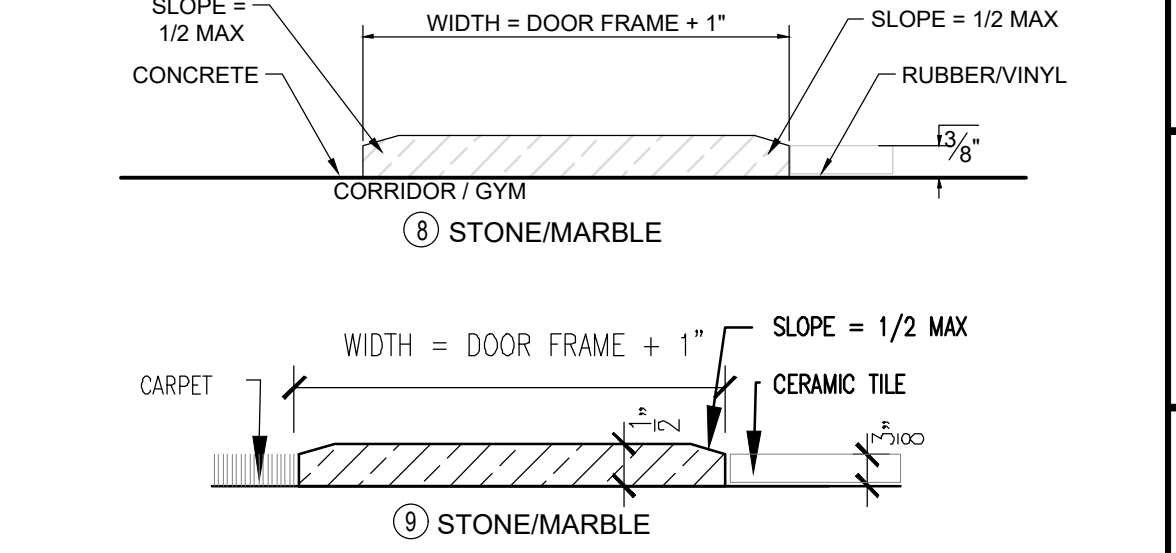
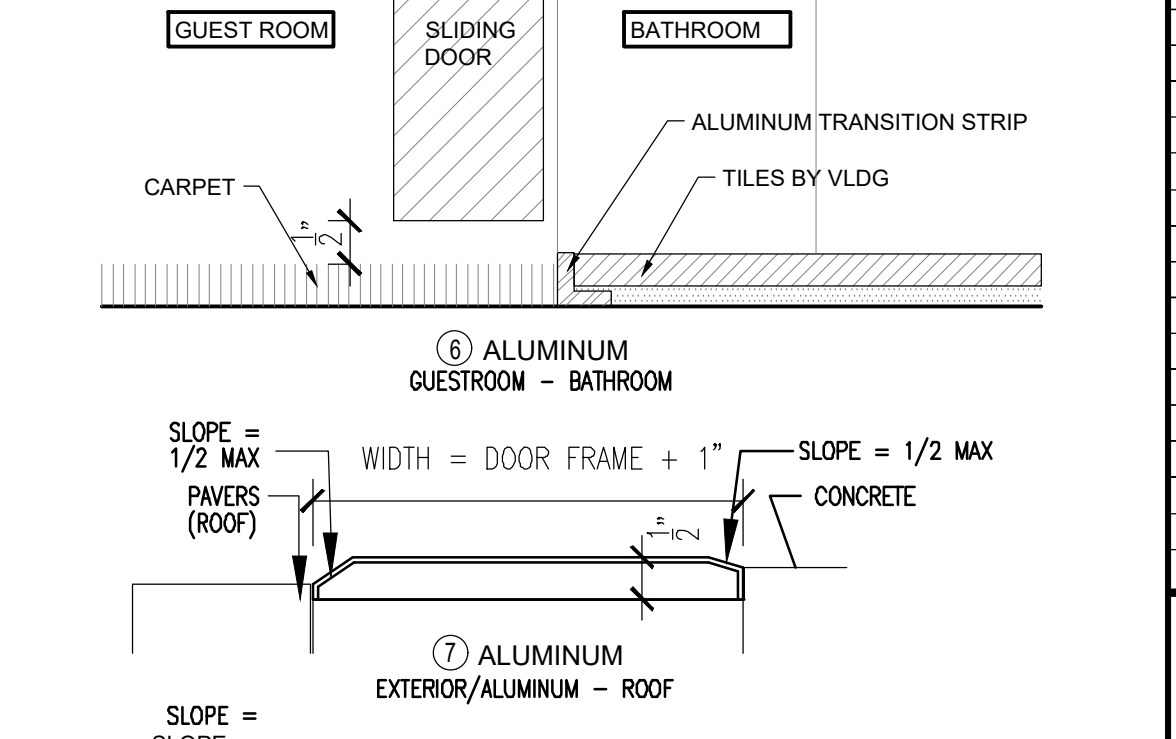
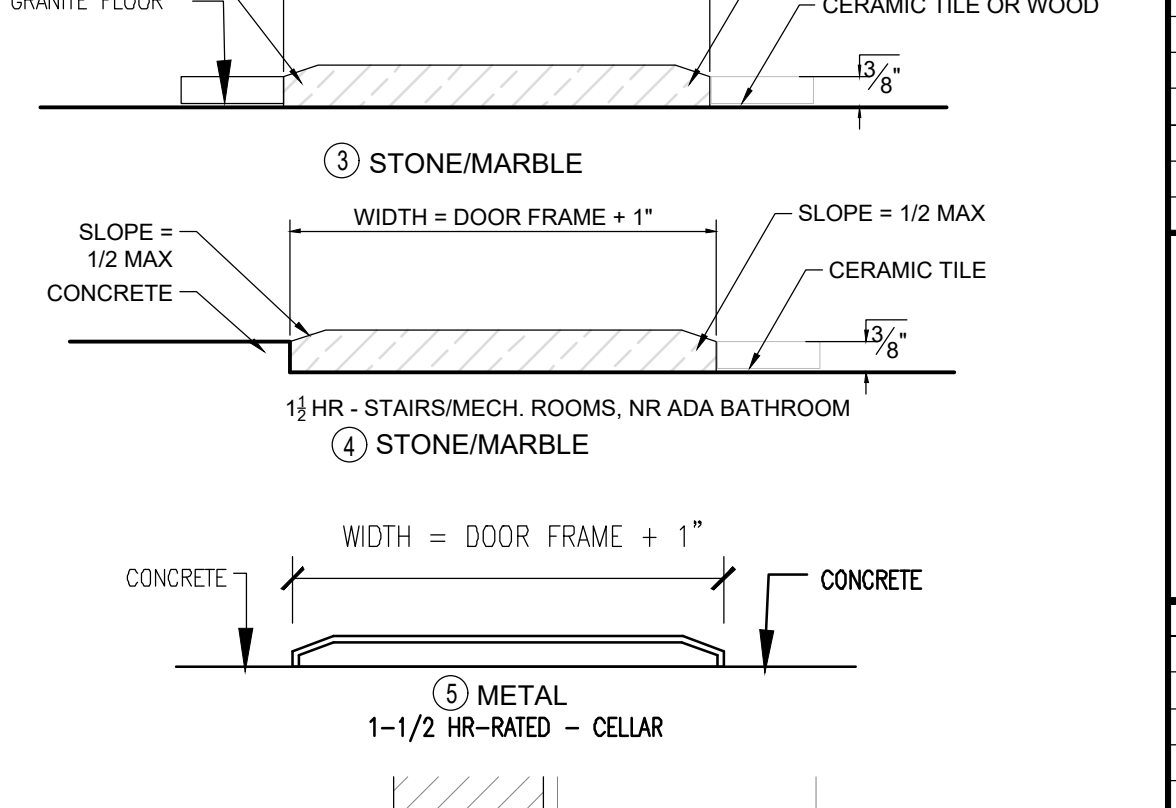
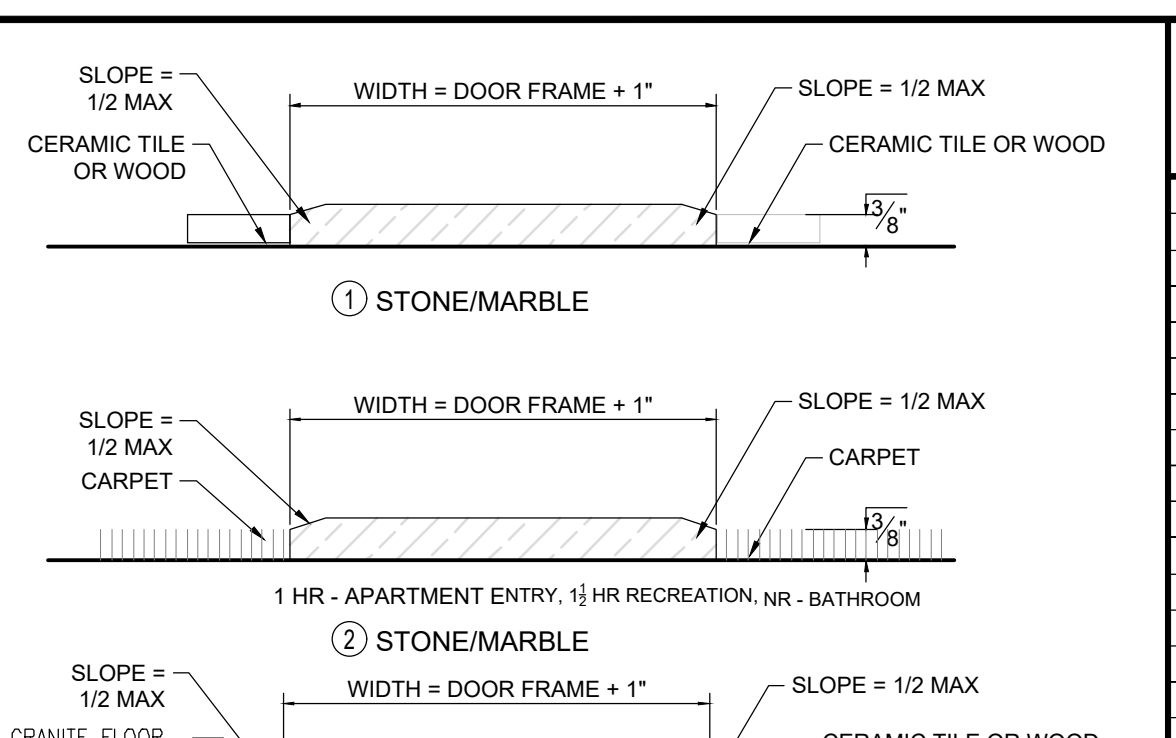
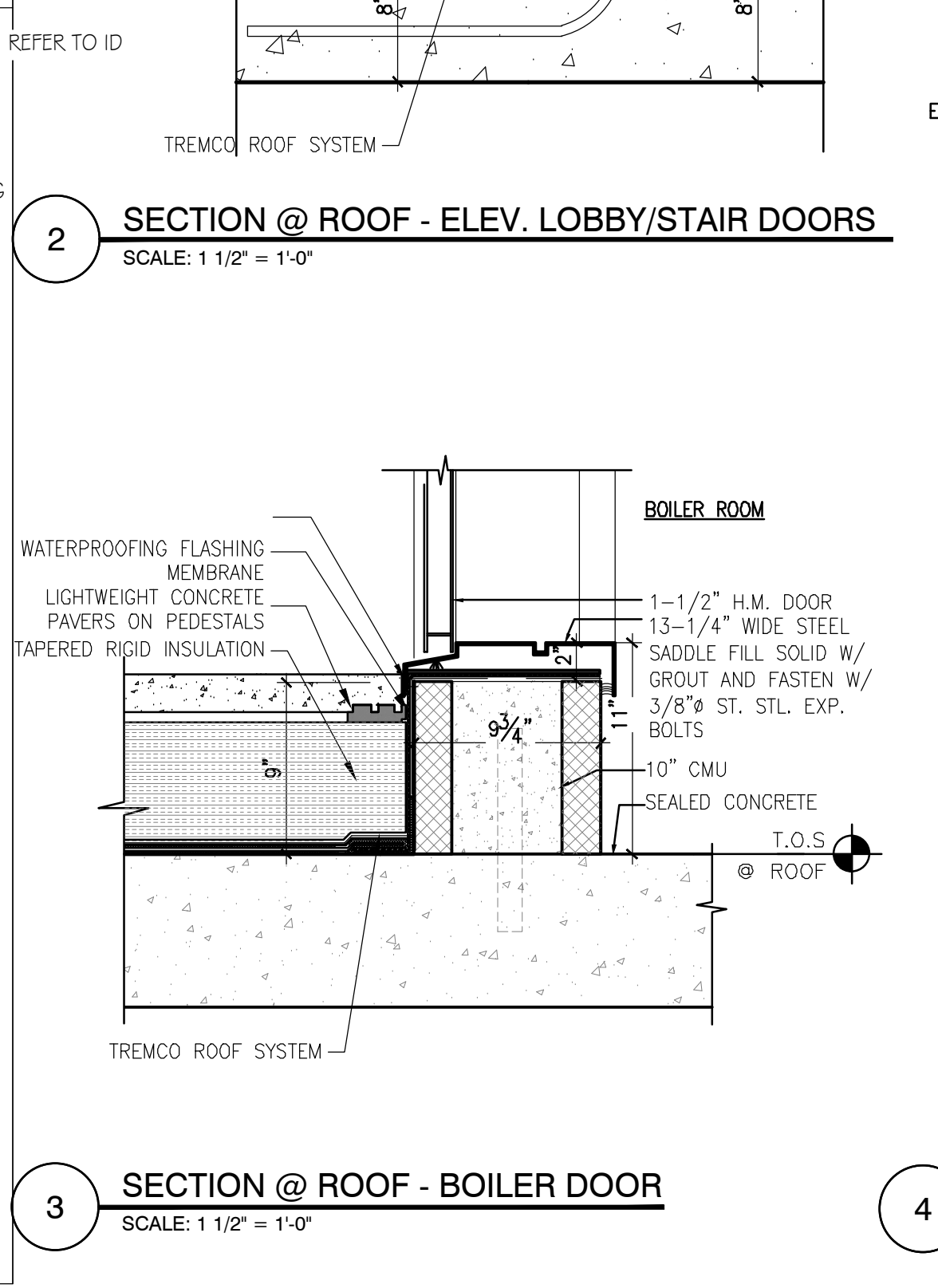
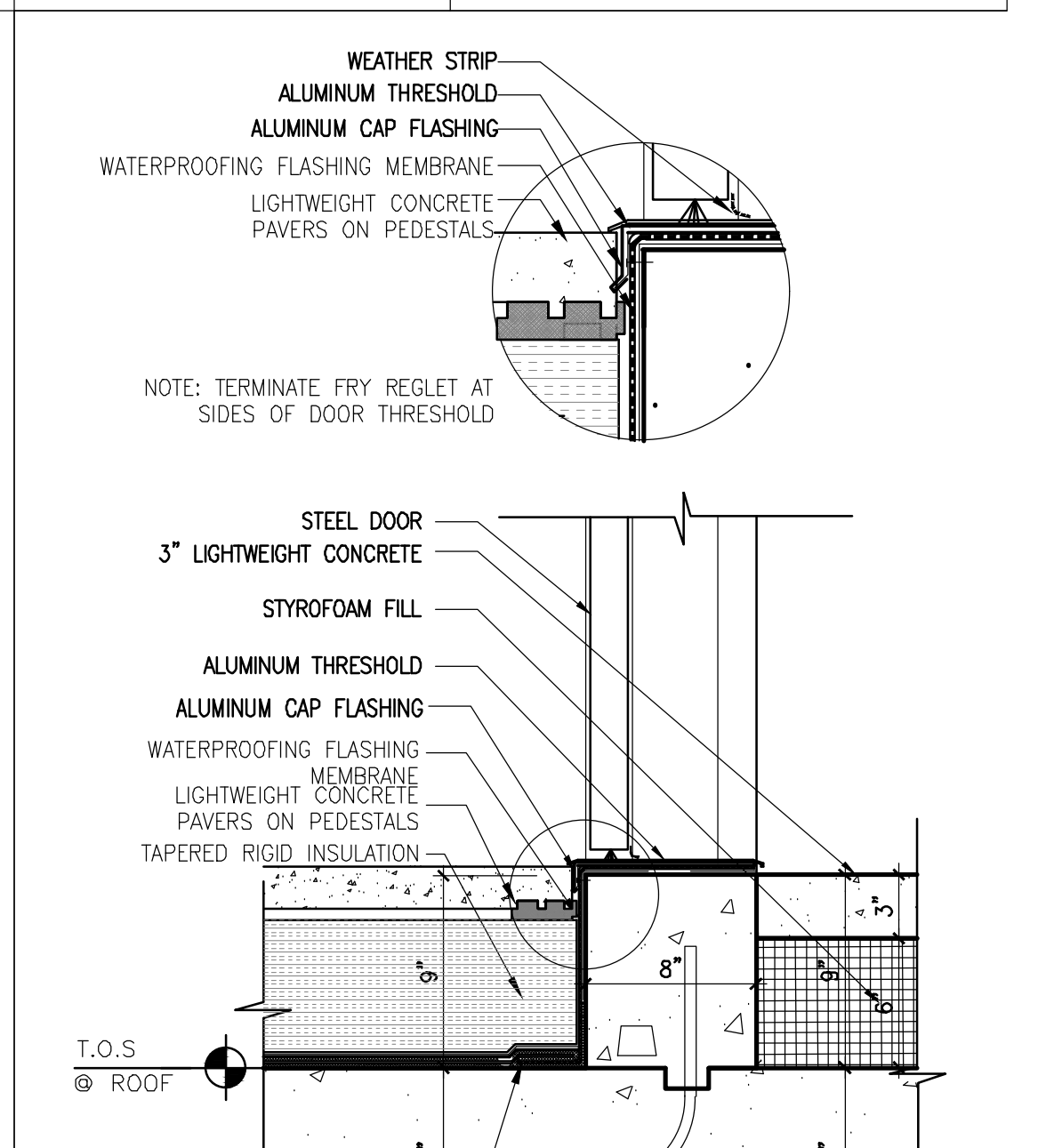
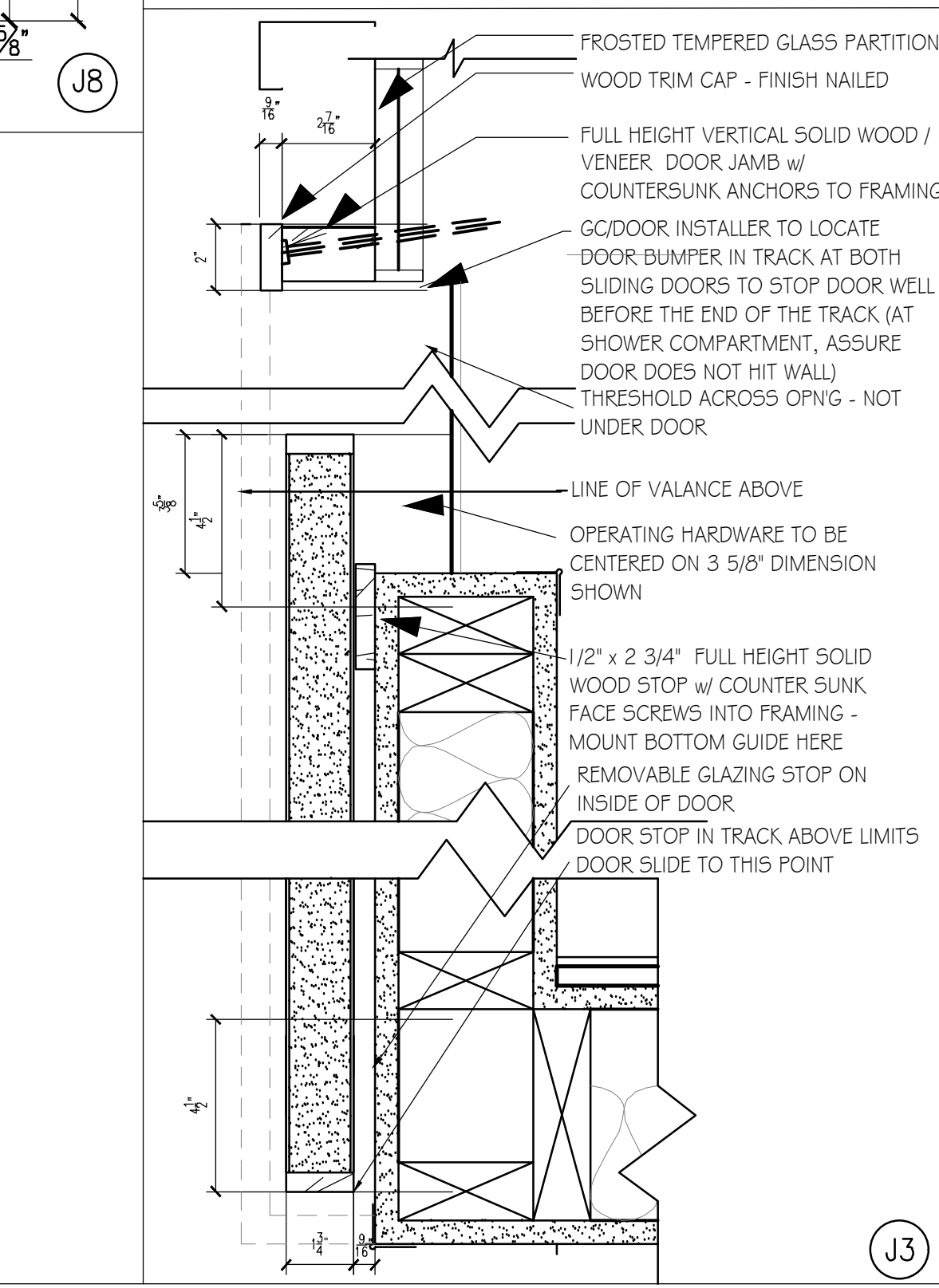
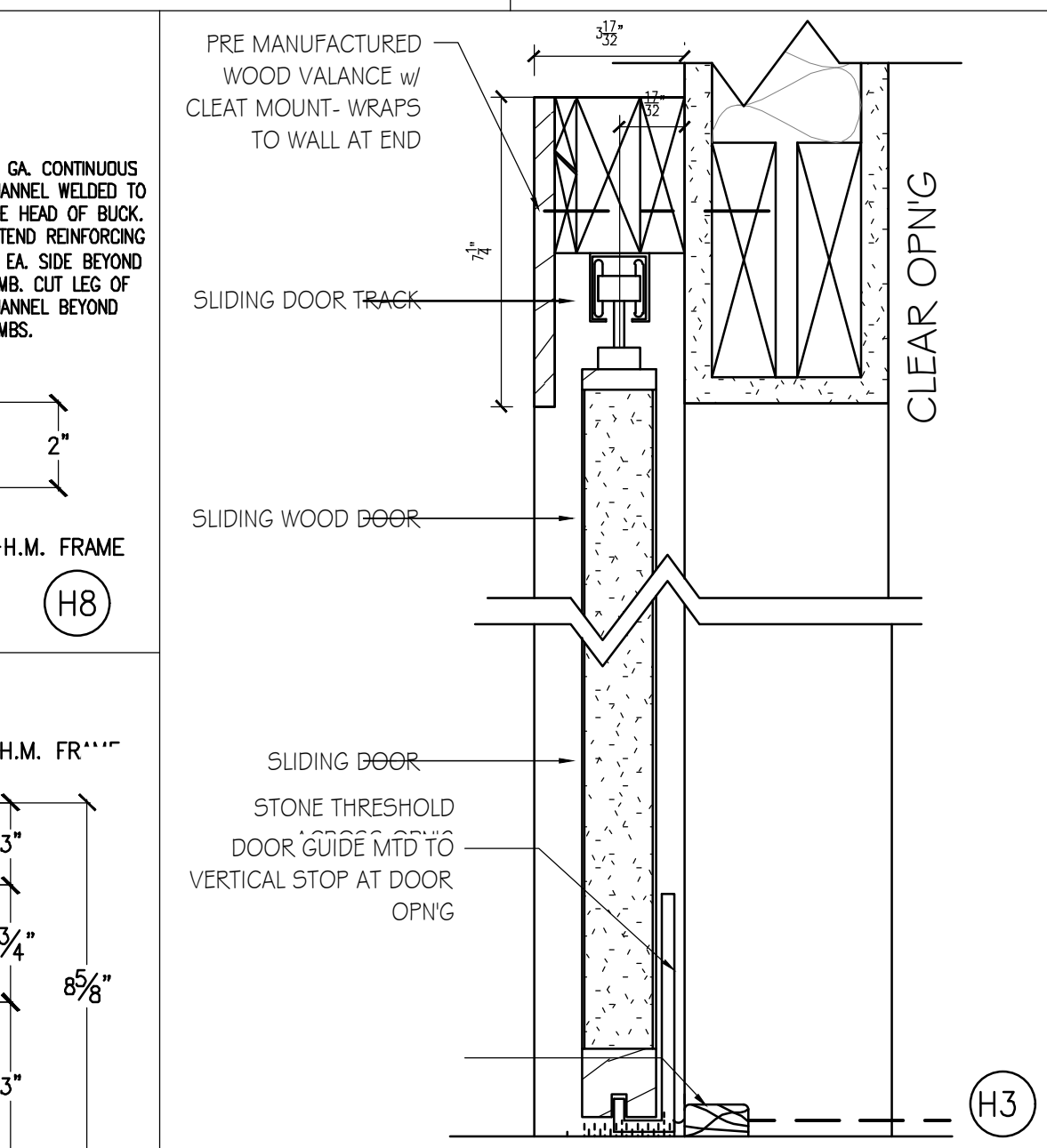
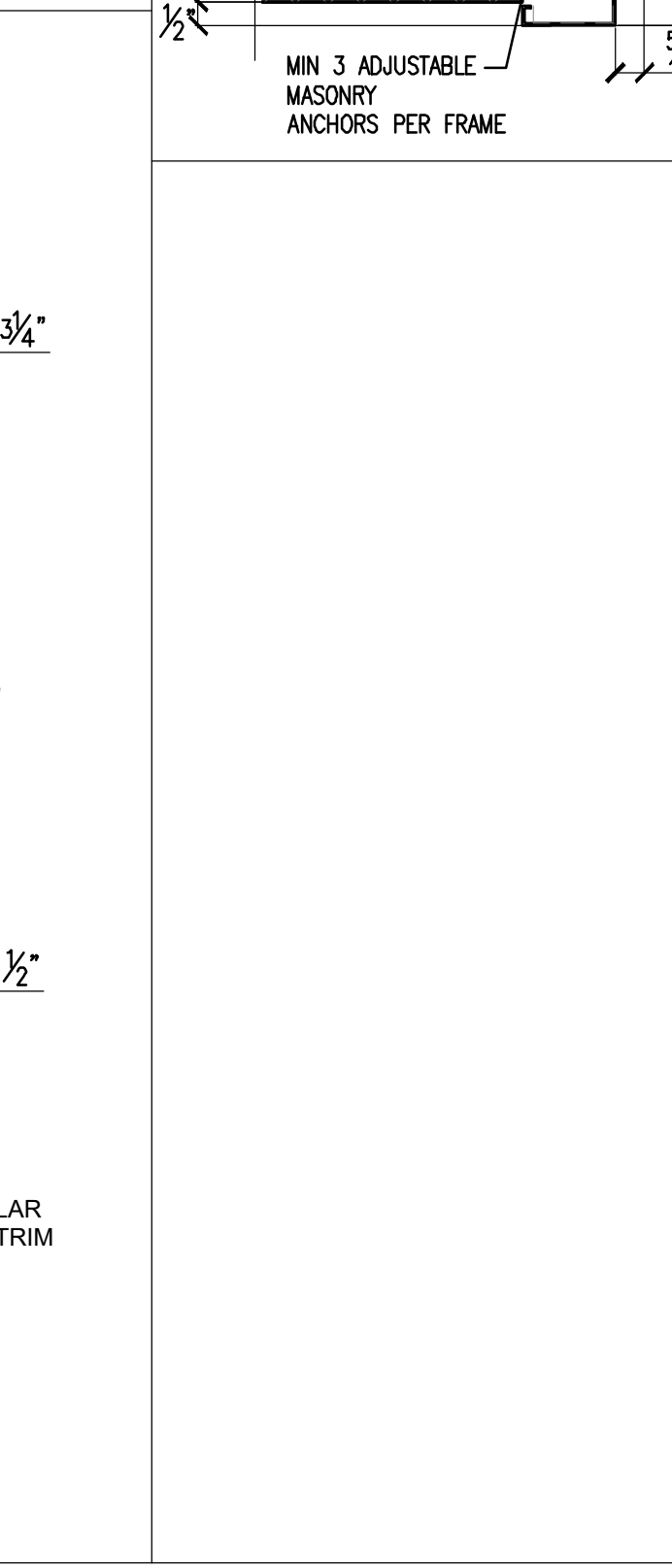
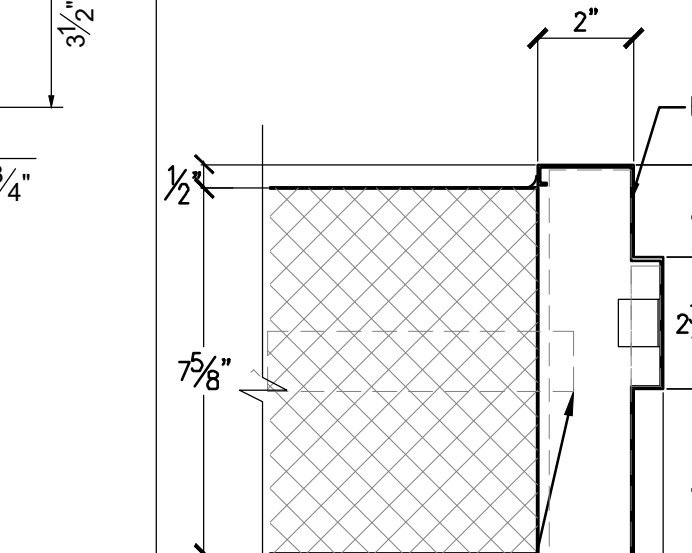
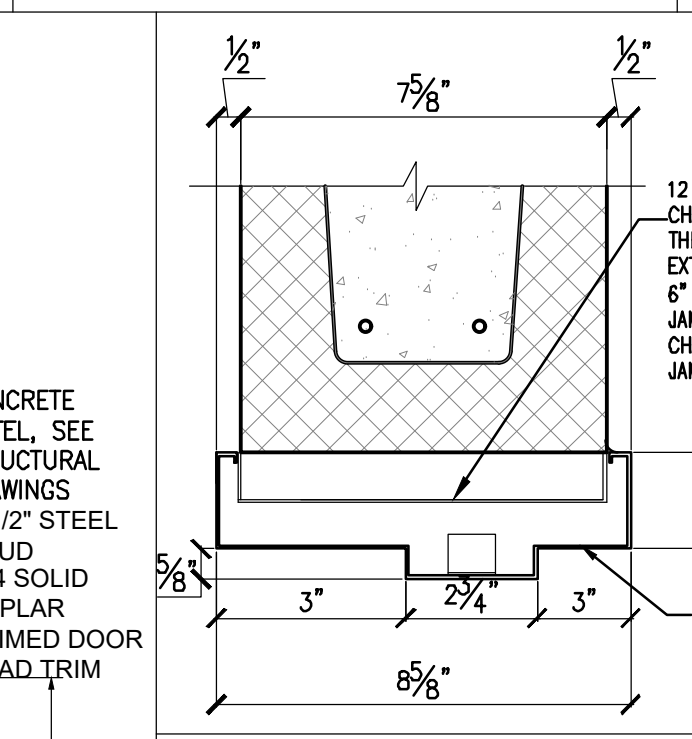
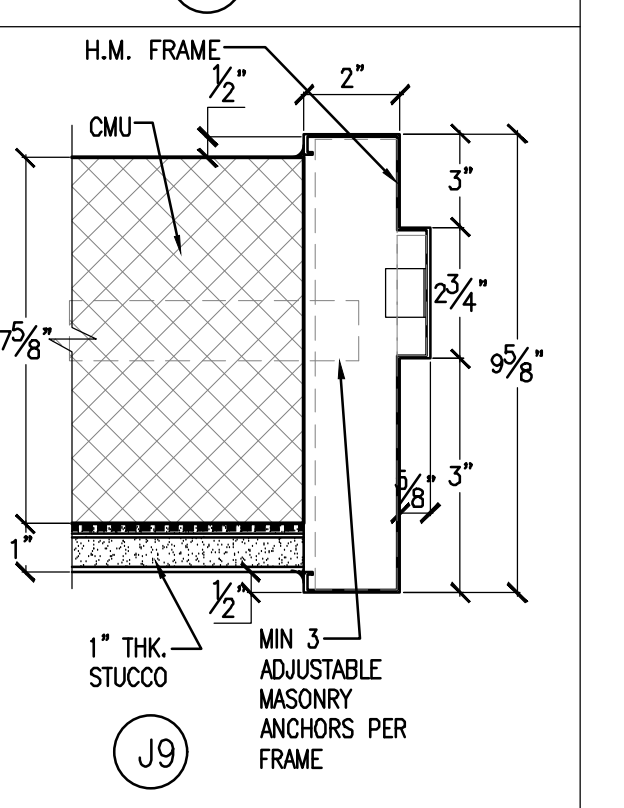
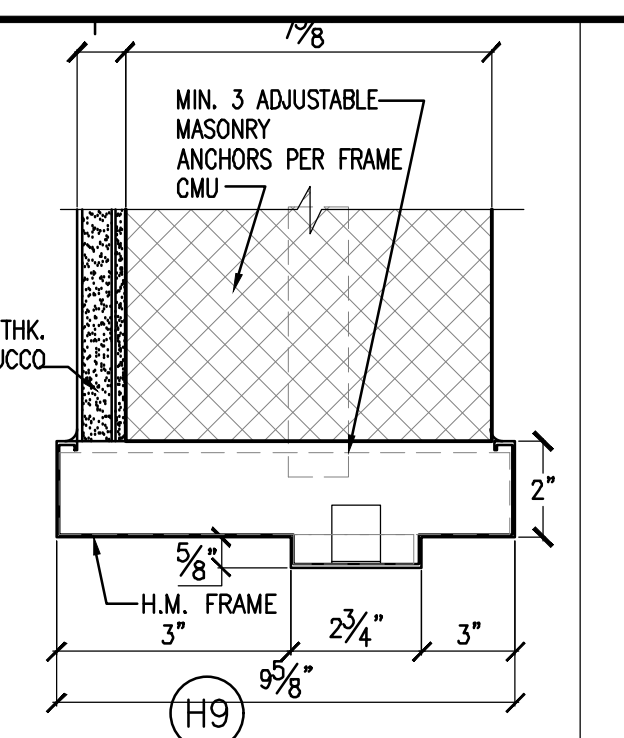
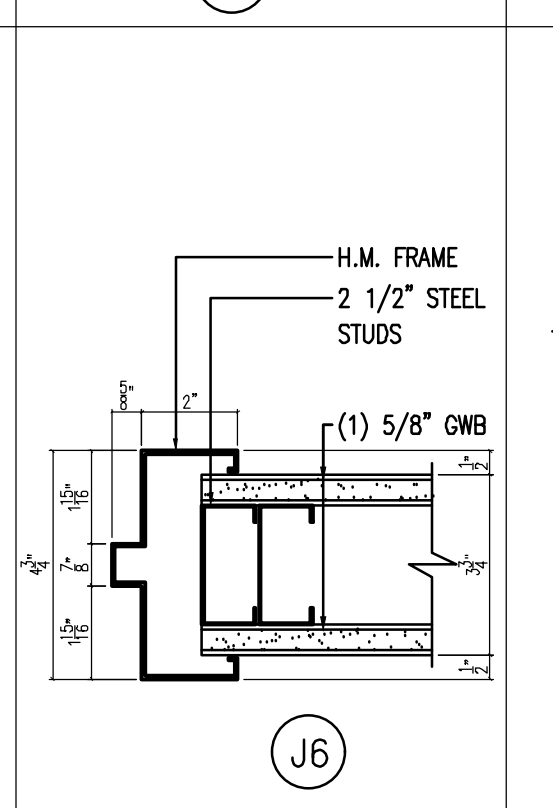
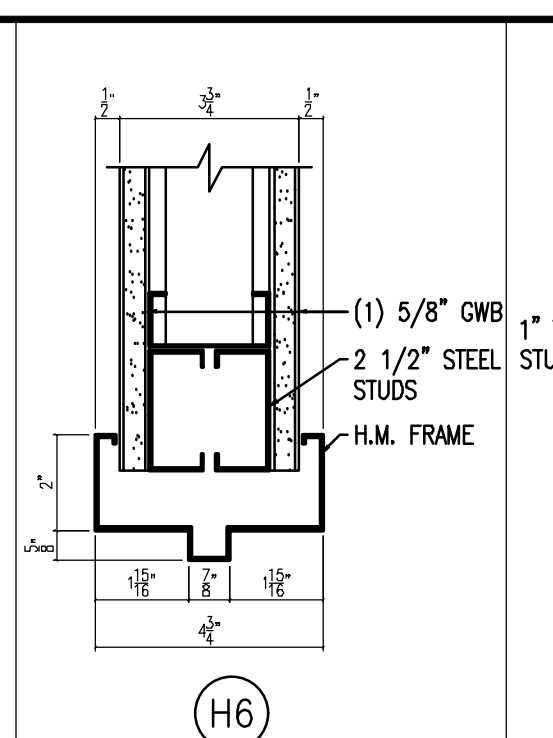
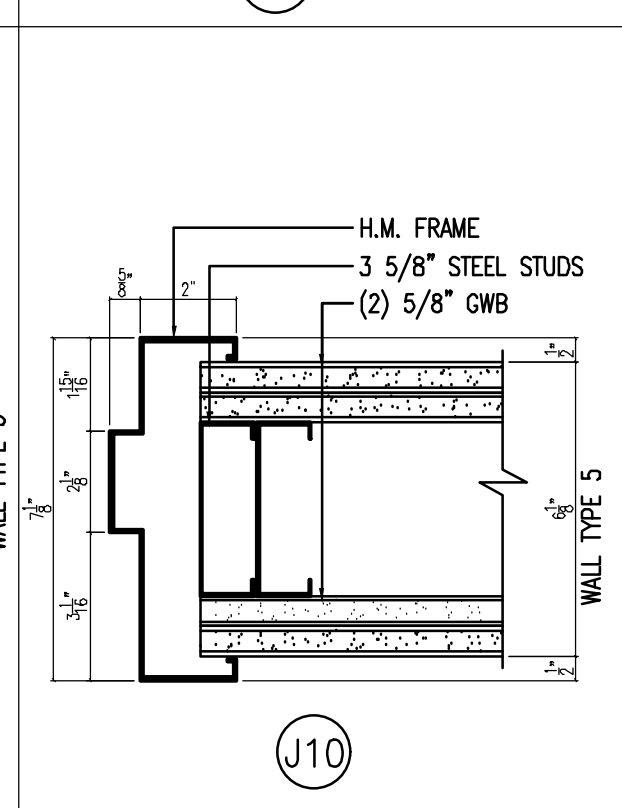
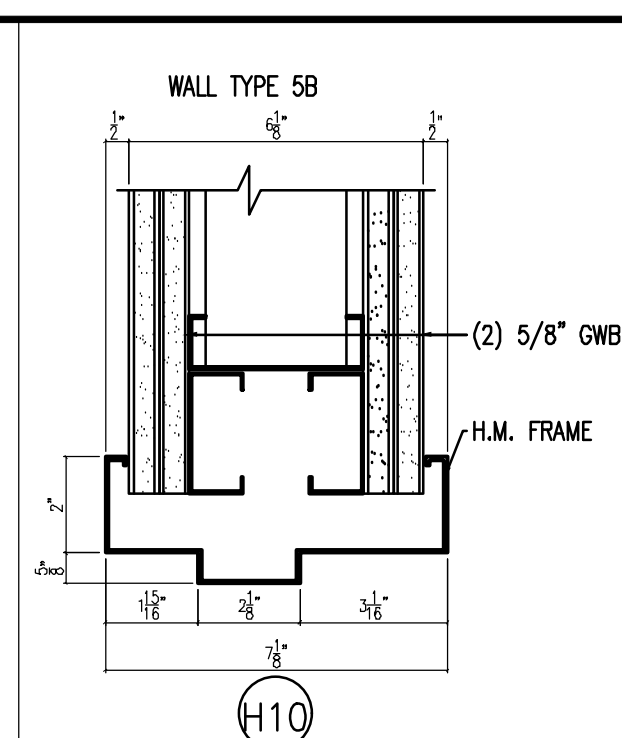
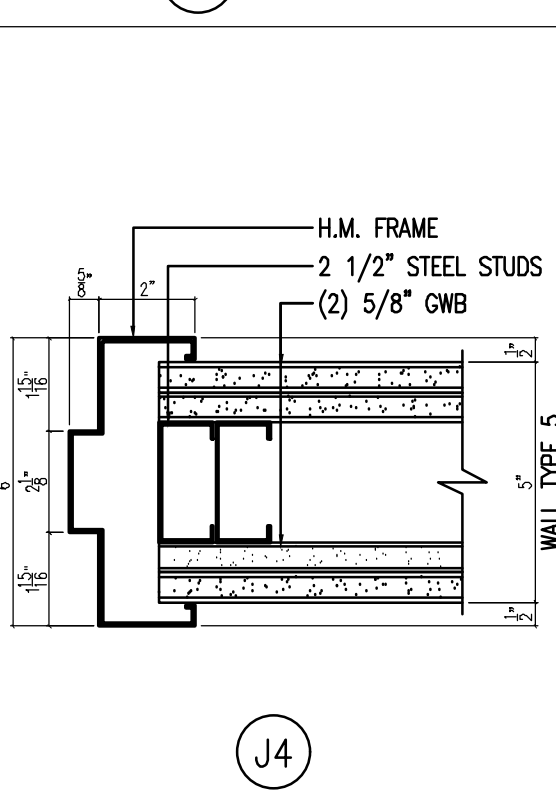
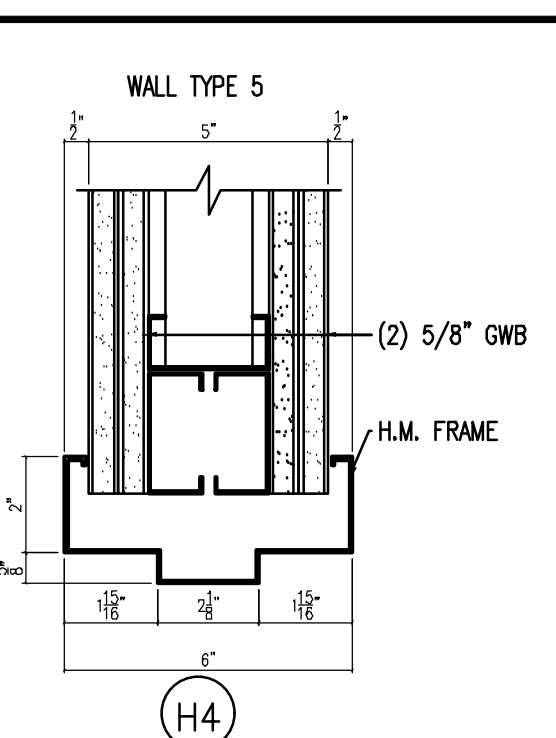
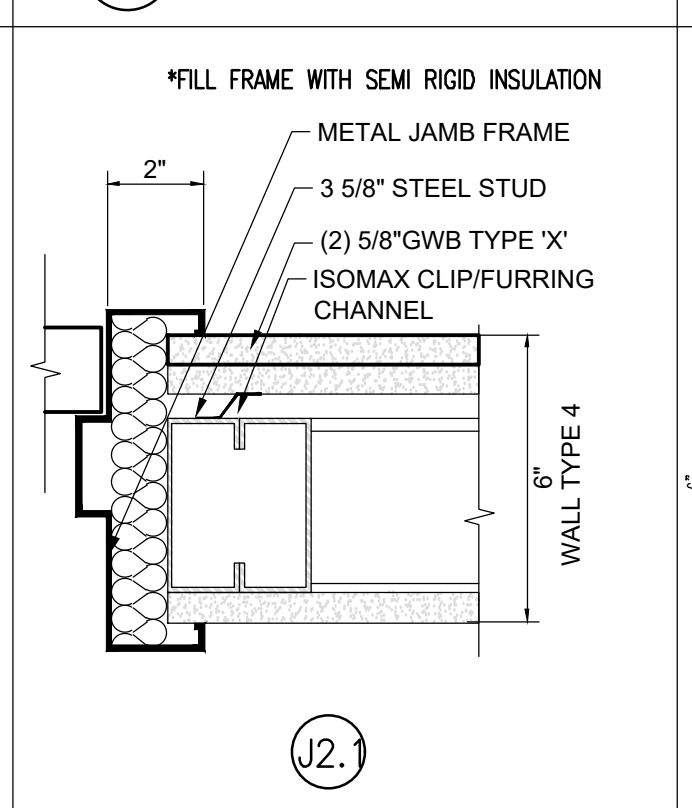
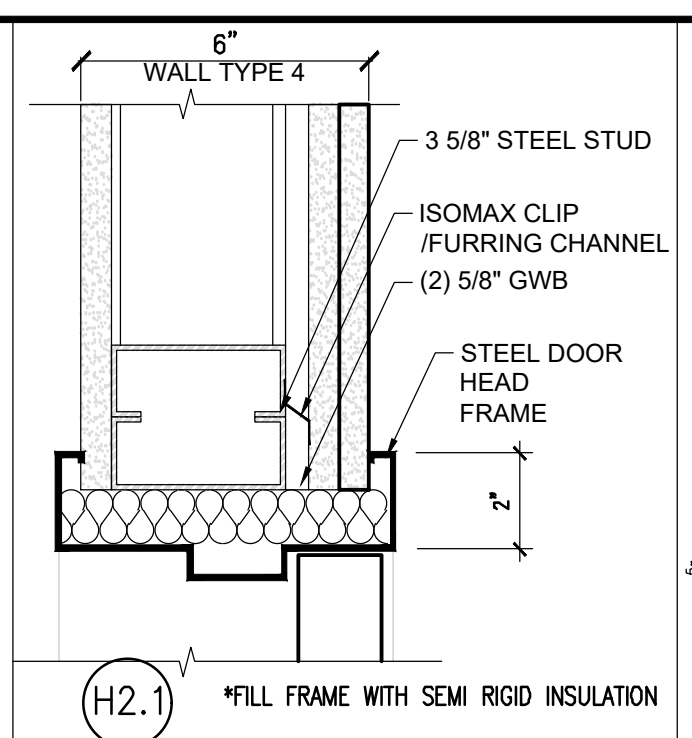
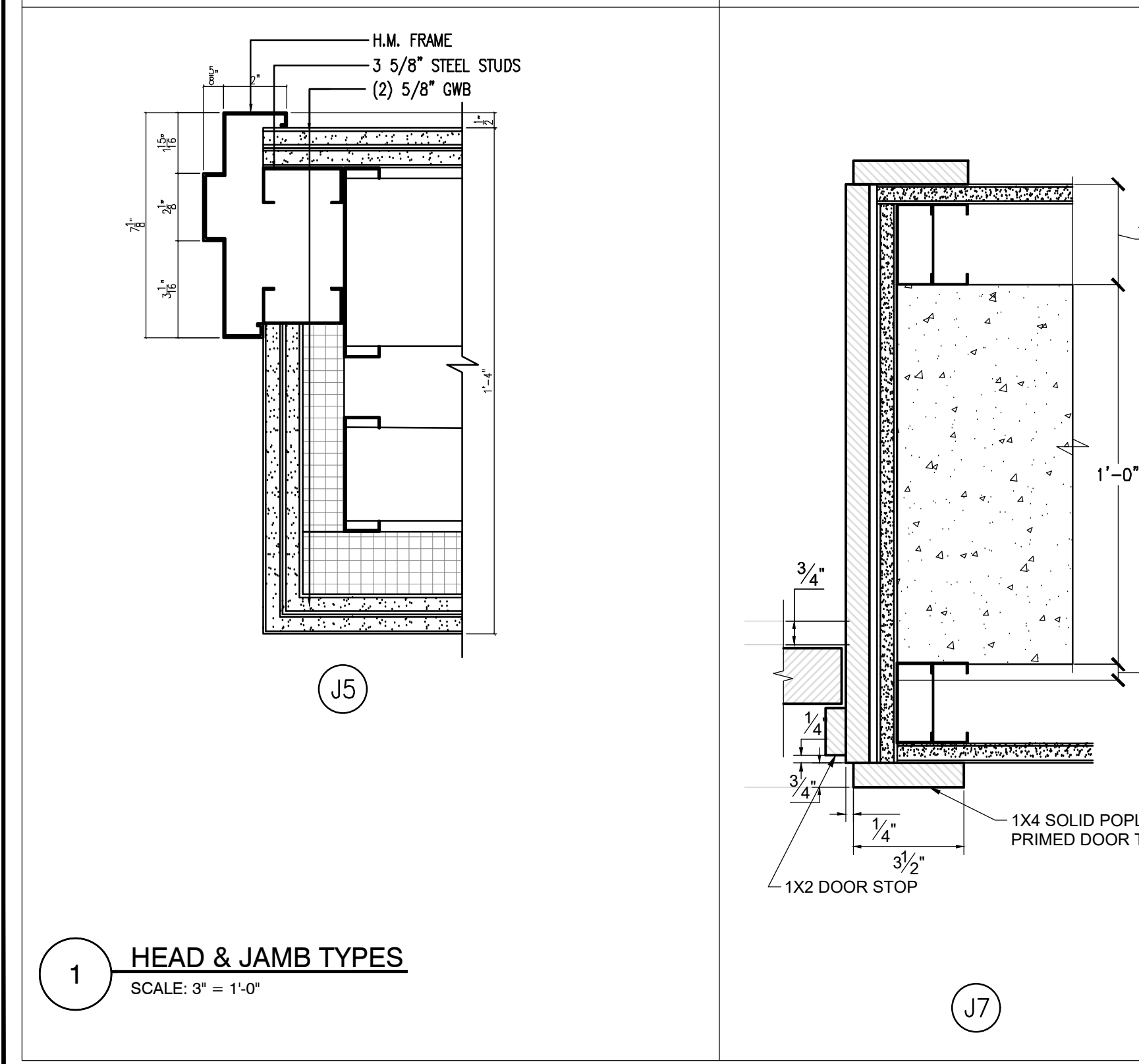
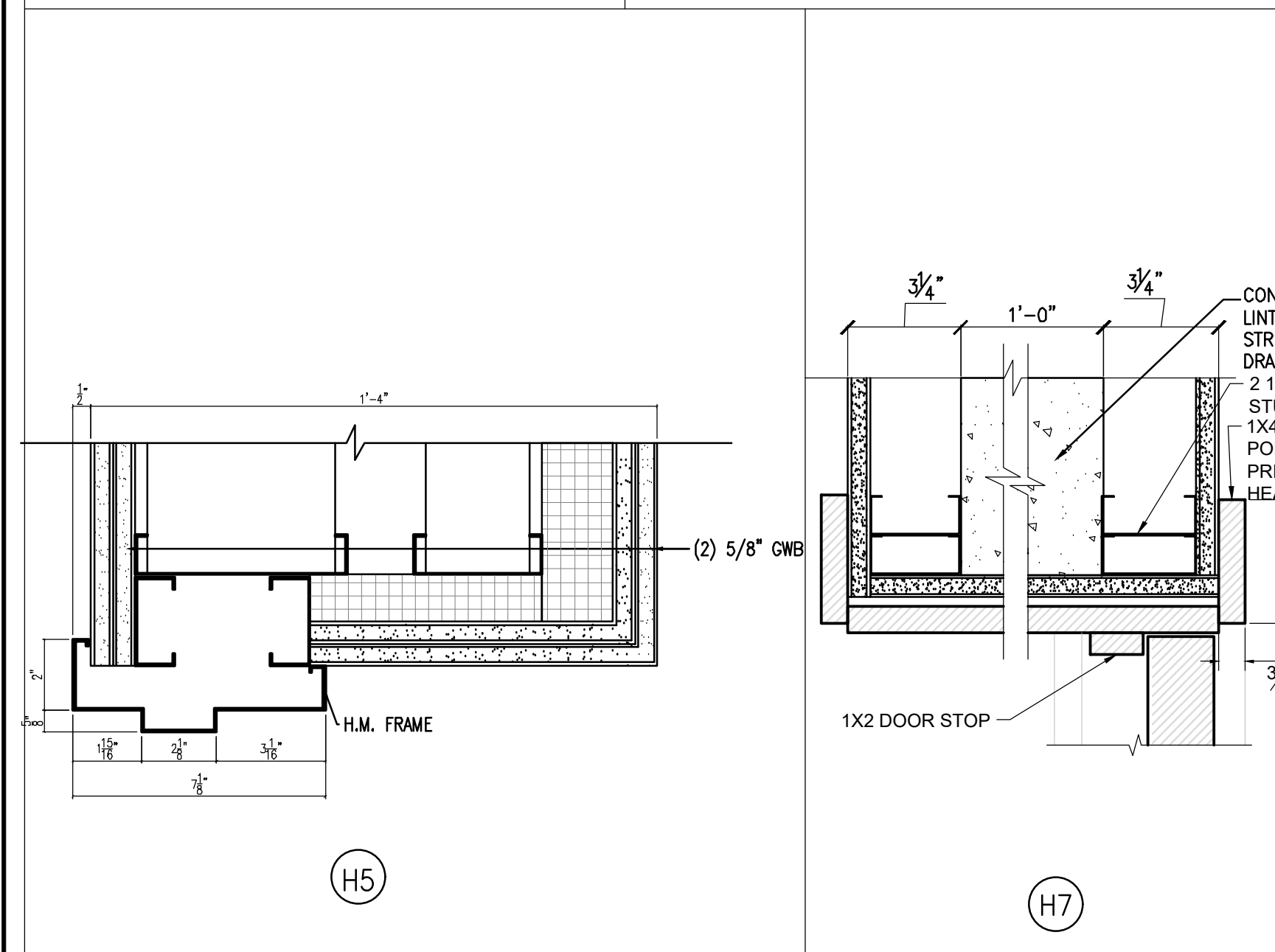
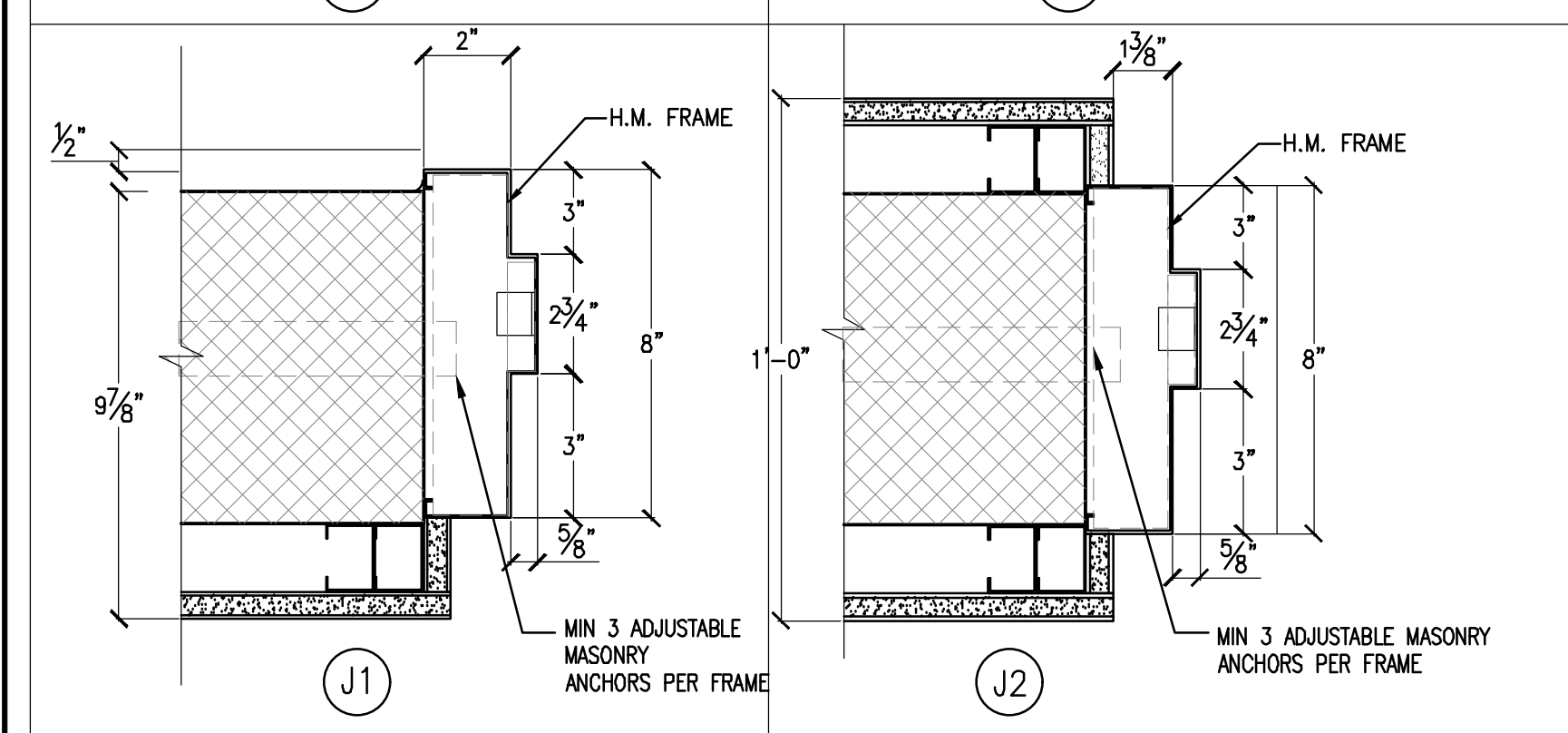
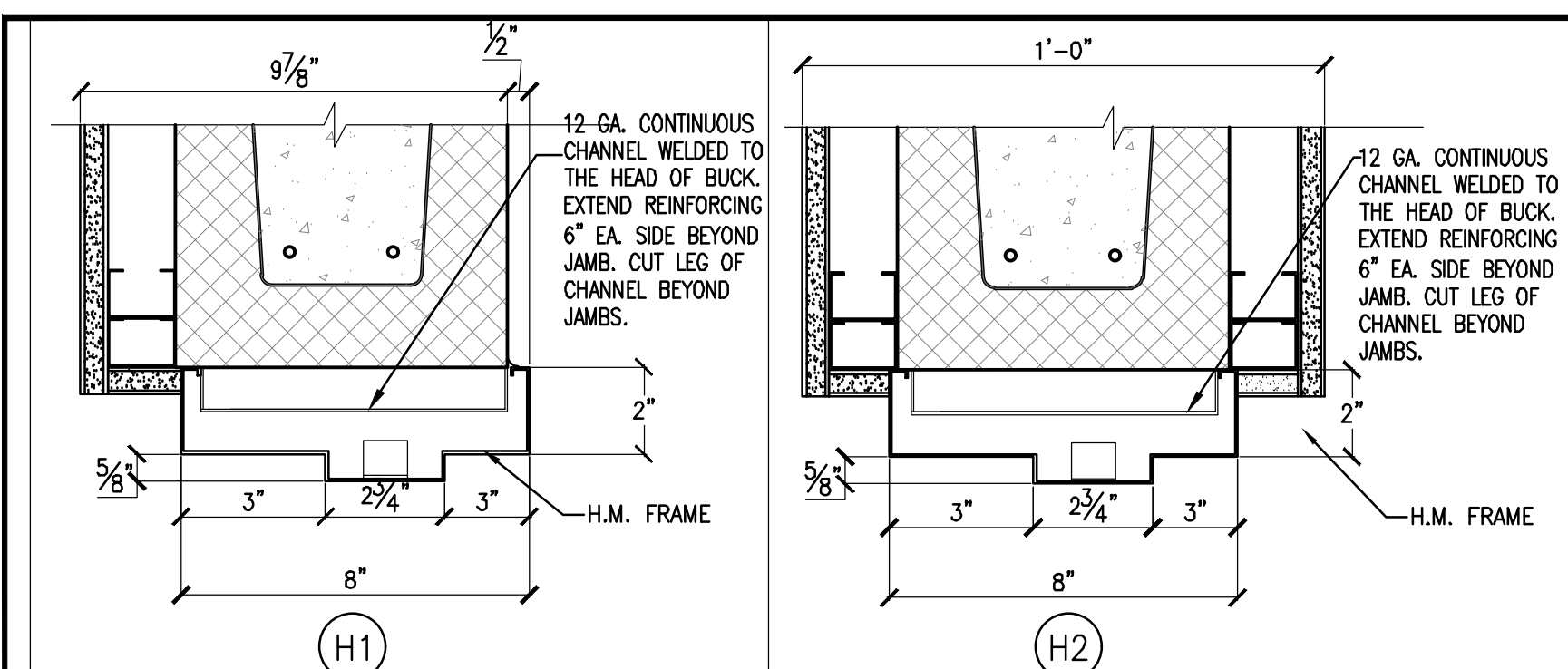
FLOOR	DOOR INFORMATION					FRAME INFORMATION				HARDWARE SET	REMARKS		
	DOOR NO.	TYPE	FROM	TO	SIZE	RATING	MATERIAL	SADDLE	MATERIAL			HEAD	JAMB
BULK	B01	H	CORRIDOR	BOILER ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR
	B02	H	CORRIDOR	STEEL STAIR	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR, U-FACTOR 0.25
	B03	O	CORRIDOR	MECHANICAL ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR

FLOOR	DOOR INFORMATION					FRAME INFORMATION				HARDWARE SET	REMARKS		
	DOOR NO.	TYPE	FROM	TO	SIZE	RATING	MATERIAL	SADDLE	MATERIAL			HEAD	JAMB
UPPER BULK	UB01	O	CORRIDOR	ELECTRICAL ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR
	UB02	H	CORRIDOR	EMR	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR
	UB03	H	CORRIDOR	FIRE PUMP ROOM	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR
	UB04	H	CORRIDOR	STEEL STAIR	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR
	UB05	H	CORRIDOR	ROOF TERRACE	3'-0" x 7'-0"	1 1/2 HR	HM	5	HM	H9	J9	11.0	FIRE PROTECTED SELF CLOSING DOOR, U-FACTOR 0.25

Set: 1.0
Doors: _01A, _04A, _06A, _10A, _12, 04A, G01A, G06A

3 Hinge TA2714 4-1/2" x 4-1/2" US15 MK 087100
 1 Privacy Set DLU65 CRMD US15 SA 087100
 1 Door Stop 518 US26D RO 087100
 3 Silencer 609 RO 087100

Set: 1.1
Doors: _02A, _03A, _05A, _06A, _07A, _08A, _09A, _11A, 01A, 01A, 01A, 02A, 03A, 04A, 05A, 06A, 07A, 08A, 09A, 10A, 11A, 12A, 13A, 14A, 15A, 16A, 17A, 18A, 19A, 20A, 21A, 22A, 23A, 24A, 25A, 26A, 27A, 28A, 29A, 30A, 31A, 32A, 33A, 34A, 35A, 36A, 37A, 38A, 39A, 40A, 41A, 42A, 43A, 44A, 45A, 46A, 47A, 48A, 49A, 50A, 51A, 52A, 53A, 54A, 55A, 56A, 57A, 58A, 59A, 60A, 61A, 62A, 63A, 64A, 65A, 66A, 67A, 68A, 69A, 70A, 71A, 72A, 73A, 74A, 75A, 76A, 77A, 78A, 79A, 80A, 81A, 82A, 83A, 84A, 85A, 86A, 87A, 88A, 89A, 90A, 91A, 92A, 93A, 94A, 95A, 96A, 97A, 98A, 99A, 100A, 101A, 102A, 103A, 104A, 105A, 106A, 107A, 108A, 109A, 110A, 111A, 112A, 113A, 114A, 115A, 116A, 117A, 118A, 119A, 120A, 121A, 122A, 123A, 124A, 125A, 126A, 127A, 128A, 129A, 130A, 131A, 132A, 133A, 134A, 135A, 136A, 137A, 138A, 139A, 140A, 141A, 142A, 143A, 144A, 145A, 146A, 147A, 148A, 149A, 150A, 151A, 152A, 153A, 154A, 155A, 156A, 157A, 158A, 159A, 160A, 161A, 162A, 163A, 164A, 165A, 166A, 167A, 168A, 169A, 170A, 171A, 172A, 173A, 174A, 175A, 176A, 177A, 178A, 179A, 180A, 181A, 182A, 183A, 184A, 185A, 186A, 187A, 188A, 189A, 190A, 191A, 192A, 193A, 194A, 195A, 196A, 197A, 198A, 199A, 200A, 201A, 202A, 203A, 204A, 205A, 206A, 207A, 208A, 209A, 210A, 211A, 212A, 213A, 214A, 215A, 216A, 217A, 218A, 219A, 220A, 221A, 222A, 223A, 224A, 225A, 226A, 227A, 228A, 229A, 230A, 231A, 232A, 233A, 234A, 235A, 236A, 237A, 238A, 239A, 240A, 241A, 242A, 243A, 244A, 245A, 246A, 247A, 248A, 249A, 250A, 251A, 252A, 253A, 254A, 255A, 256A, 257A, 258A, 259A, 260A, 261A, 262A, 263A, 264A, 265A, 266A, 267A, 268A, 269A, 270A, 271A, 272A, 273A, 274A, 275A, 276A, 277A, 278A, 279A, 280A, 281A, 282A, 283A, 284A, 285A, 286A, 287A, 288A, 289A, 290A, 291A, 292A, 293A, 294A, 295A, 296A, 297A, 298A, 299A, 300A, 301A, 302A, 303A, 304A, 305A, 306A, 307A, 308A, 309A, 310A, 311A, 312A, 313A, 314A, 315A, 316A, 317A, 318A, 319A, 320A, 321A, 322A, 323A, 324A, 325A, 326A, 327A, 328A, 329A, 330A, 331A, 332A, 333A, 334A, 335A, 336A, 337A, 338A, 339A, 340A, 341A, 342A, 343A, 344A, 345A, 346A, 347A, 348A, 349A, 350A, 351A, 352A, 353A, 354A, 355A, 356A, 357A, 358A, 359A, 360A, 361A, 362A, 363A, 364A, 365A, 366A, 367A, 368A, 369A, 370A, 371A, 372A, 373A, 374A, 375A, 376A, 377A, 378A, 379A, 380A, 381A, 382A, 383A, 384A, 385A, 386A, 387A, 388A, 389A, 390A, 391A, 392A, 393A, 394A, 395A, 396A, 397A, 398A, 399A, 400A, 401A, 402A, 403A, 404A, 405A, 406A, 407A, 408A, 409A, 410A, 411A, 412A, 413A, 414A, 415A, 416A, 417A, 418A, 419A, 420A, 421A, 422A, 423A, 424A, 425A, 426A, 427A, 428A, 429A, 430A, 431A, 432A, 433A, 434A, 435A, 436A, 437A, 438A, 439A, 440A, 441A, 442A, 443A, 444A, 445A, 446A, 447A, 448A, 449A, 450A, 451A, 452A, 453A, 454A, 455A, 456A, 457A, 458A, 459A, 460A, 461A, 462A, 463A, 464A, 465A, 466A, 467A, 468A, 469A, 470A, 471A, 472A, 473A, 474A, 475A, 476A, 477A, 478A, 479A, 480A, 481A, 482A, 483A, 484A, 485A, 486A, 487A, 488



THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

REVISIONS	
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DATE	DESCRIPTION
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08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

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MEP ENGINEER
JOB NUMBER NB#321193230

EXAMINER SEAL

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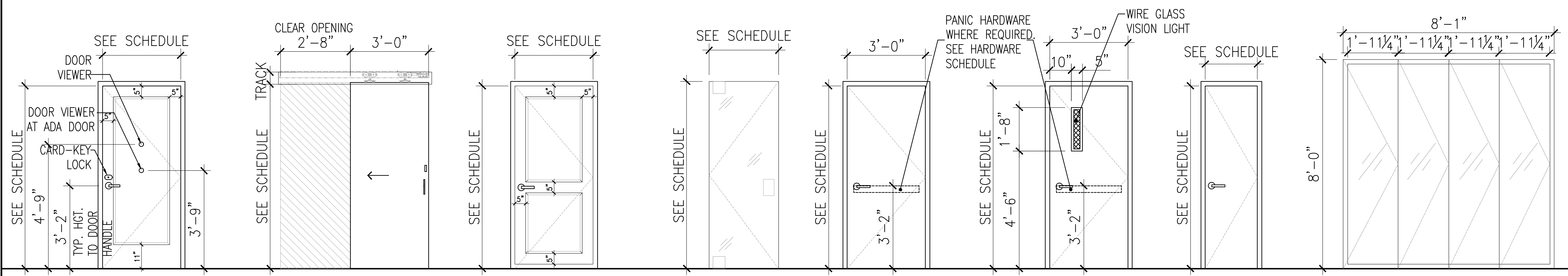
291 LIVINGSTON STREET
BROOKLYN, NY 11217

DOOR DETAILS

SEAL & SIGNATURE: [Signature]
DATE: 5/11/2017
SCALE: AS NOTED
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REVISIONS	
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(A) GUEST ROOM DOOR
RAISED PANEL DOOR w/FIRE-PROOF
SELF-CLOSING HARDWARE
3/4 HR RATED

(B) GUESTROOM BATHROOM
SLIDING - BARN DOOR
WOOD FRAME

(C) BATHROOM DOOR

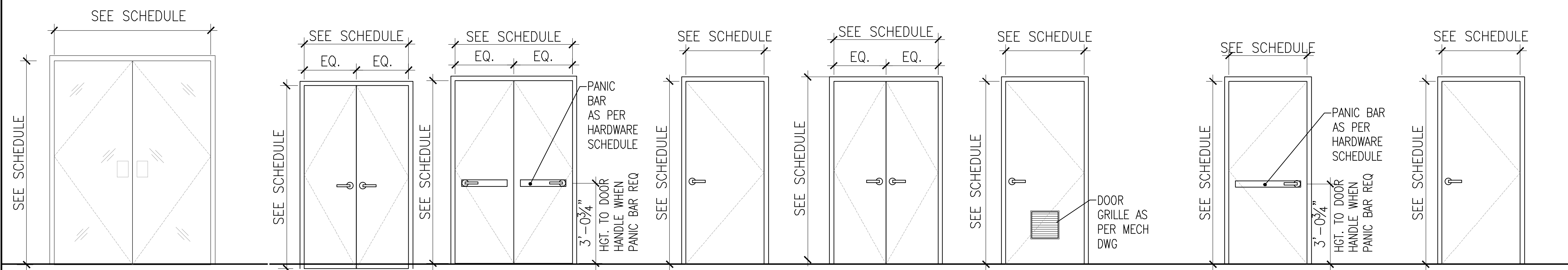
(C1) GUEST BATHROOM
TRANSLUCENT GLASS
DOOR

(D) STAIR CORRIDOR
HOLLOW METAL
1 1/2 HR RATED

(E) STAIR CORRIDOR
HOLLOW METAL
1 1/2 HR RATED

(H) UTILITY DOOR
HOLLOW METAL

(F) MULTI PANEL AUTOMATIC
FOLDING GLASS ENTRY
DOOR
ALUM/GLASS



(G) DOUBLE GLASS ENTRY DOOR
ALUM/GLASS

(J) UTILITY DOOR
HOLLOW METAL

(K) ELECTRICAL ROOM

(M) REVERSIBLE
SWING DOOR

(N) UTILITY DOOR
SOLID WOOD DOOR

(O) UTILITY DOOR
HOLLOW METAL

(R) ELECTRICAL ROOM
HOLLOW METAL

(P) UTILITY DOOR
SOLID WOOD DOOR

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10	10/19/2018	ISSUED ADDENDUM #1
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08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
01	06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

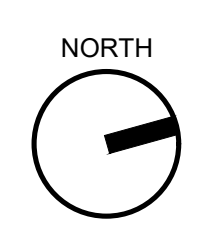
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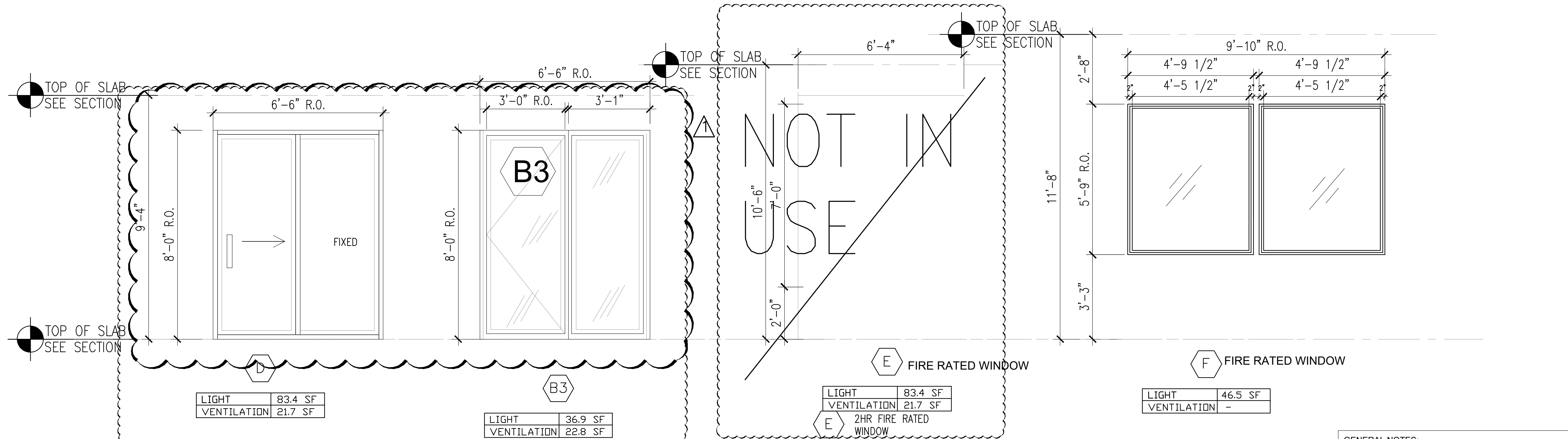
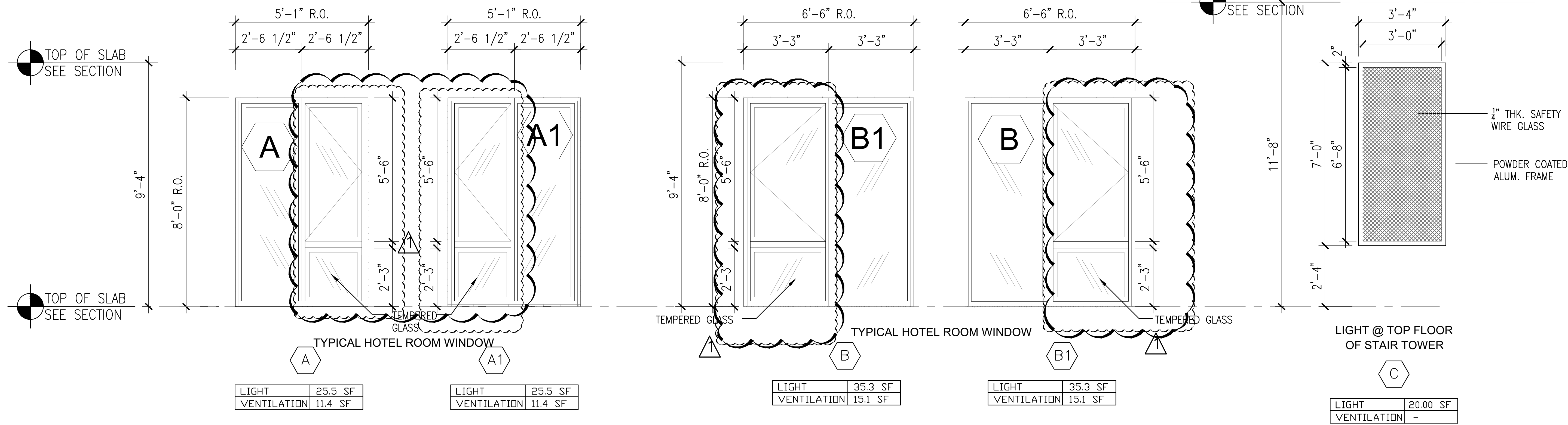
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DOOR ELEVATIONS

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WINDOW SCHEDULE AND TYPES									
TYPE	TYPE A	TYPE A1	TYPE B	TYPE B1	TYPE B3	TYPE C	TYPE D	TYPE E	TYPE F
WINDOW SIZE	8'-0" x 5'-1"	8'-0" x 5'-1"	8'-0" x 6'-6"	8'-0" x 6'-6"	8'-0" x 6'-6"	3'-4" x 7'-0"	8'-0" x 6'-6"	8'-0" x 6'-6"	9'-10" x 5'-9"
WINDOW MATERIAL	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
GLASS FINISH	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	SAFETY WIRE GLASS	CLEAR	CLEAR	CLEAR
GLAZING	TEMPERED, INSULATED	TEMPERED, INSULATED	TEMPERED, INSULATED	TEMPERED, INSULATED	TEMPERED, INSULATED	TEMPERED, NON-INSUL. 1/4" SAFETY GLASS	TEMPERED, INSULATED	TEMPERED, INSULATED	TEMPERED, INSULATED
VENTILATION	YES	YES	YES	YES	YES	NO	YES	NO	NO
COLOR EXT./INT.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
REMARKS						NON-OPERABLE			
U-FACTOR (ASSEMBLY)	0.38 FIXED / 0.42 OPERABLE / 0.77 GLASS DOOR								
SHGC	0.40								

TABLE C402.5.2
MAXIMUM AIR INFILTRATION RATE FOR FENESTRATION ASSEMBLIES

FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/FT ²)	TEST PROCEDURE
Windows	0.20 ^a	AAMA/WDMA/CSA101/1.5.2/A440 or NFRC 400
Sliding doors	0.20 ^a	
Swinging doors	0.20 ^a	
Skylights - with condensation weepage openings	0.30	
Skylights - all others	0.20 ^a	
Curtain walls	0.06	
Storefront glazing	0.06	
Commercial glazed swinging entrance doors	1.00	
Revolving doors	1.00	
Garage doors	0.40	
Rolling doors	1.00	ANSI/DASMA 105, NFRC 400, or ASTM E 283 at 1.57 psf (75 Pa)
High-speed doors	1.30	

NOTE: DRAWINGS TO COMPLY WITH MANDATORY PROVISIONS OF SECTION C402.5 FOR AIR LEAKAGE.

WINDOW ASSEMBLY PERFORMANCE SPECIFICATIONS:

- Computed Thermal Transmittance (U-Value) shall not exceed 0.38 (fixed) and 0.45 (operable) BTU/hr/sq.ft./F for the whole window assembly.
- ECC C402.5 AIR LEAKAGE OF WINDOW / DOOR ASSEMBLIES SHALL BE DETERMINED IN ACCORDANCE WITH AAMA/WDMA/CSA 101/1.5.2/A440, OR NFRC 400 BY AN ACCREDITED, INDEPENDENT LABORATORY, AND LABELED AND CERTIFIED BY THE MANUFACTURER, AND SHALL NOT EXCEED 0.30 CFM PER SQUARE FOOT (1.5 L/s/m²), AND SWINGING DOORS NO MORE THAN 0.30 CFM PER SQUARE FOOT (2.6 L/s/m²).
- ECC C402.5 CURTAIN WALL, STOREFRONT GLAZING, AND REVOLVING DOORS SHALL BE TESTED FOR AIR LEAKAGE AT 1.57 POUNDS PER SQUARE FOOT (PSF) (75 Pa) IN ACCORDANCE WITH ASTM E 283. FOR CURTAIN WALLS AND STOREFRONT GLAZING, THE MAXIMUM AIR LEAKAGE RATE SHALL BE 0.06 CUBIC FOOT PER MINUTE PER SQUARE FOOT (CFM/ft²) (5.3 m³/h x m²) OF FENESTRATION AREA. FOR COMMERCIAL GLAZED SWINGING ENTRANCE DOORS AND REVOLVING DOORS, THE MAXIMUM AIR LEAKAGE RATE SHALL BE 1.00 CFM/ft² (18.3 m³/h x m²) OF DOOR AREA WHEN TESTED IN ACCORDANCE WITH ASTM E 283. PROVIDE SPECIFICATION.

GENERAL NOTES:

- CONTRACTOR IS TO COORDINATE LH. OR RH. WINDOW OPERATION AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO COORDINATE (1) SPRINKLER HEAD PER WINDOW ALL LOT-LINE WINDOWS AS PER NYC D.O.B. (SEE ARCHITECTURAL AND/OR SPRINKLER DRAWINGS FOR ADDITIONAL NOTES).
- ALL WINDOW FRAMES TO BE PAINTED ALUMINUM WITH THERMAL BREAK COLOR 19D.
- ALL WINDOWS TO BE PROVIDED WITH HEAVY DUTY HARDWARE PACKAGE IN ACCORDANCE WITH WINDOW MANUFACTURER SPECS. PROVIDE JAMB EXTENSIONS AS REQUIRED.
- INSTALLATION CLIPS TO BE PROVIDED BY MANUFACTURER, AS REQUIRED.
- MANUFACTURER/INSTALLER TO FIELD VERIFY ALL ROUGH OPENINGS AND FIELD CONDITIONS BEFORE BEGINNING WINDOW FABRICATION.
- GENERAL CONTRACTOR TO VERIFY & COORDINATE INSTALLATION OF SASH LIMITING DEVICES AS REQUIRED BY THE NYC D.O.B.
- ALL LOT-LINE & STAIR TOWER WINDOWS TO BE WIRE & TEMPERED ALL GLASS TO BE INSULATING DOUBLE GLAZED WITH LOW E COATING PER SPECIFICATIONS, UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS.
- GENERAL CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS, EXHIBITING THE INTEGRATION OF ALL FACADE MATERIALS, WINDOW SYSTEMS, ROUGH OPENINGS, MODULAR UNITS, CONTROL AND EXPANSION JOINTS, WITH FINISH SAMPLES, FULLY COORDINATED PRIOR TO BEGINNING INSTALLATION.
- CONTRACTOR TO PERFORM WATER RESISTANCE, AIR INFILTRATION, LOAD DEFLECTION AND LOAD STRUCTURAL TEST.
- GENERAL CONTRACTOR TO PROVIDE CERTIFICATE OF WARRANTY INSTALLATION IN ACCORDANCE WITH WINDOW MANUFACTURER SPECIFICATIONS.
- WINDOWS TO BE DOUBLE-GLAZED 1 1/4" INSULATING LAMINATED PER SPECIFICATIONS, UNLESS OTHERWISE NOTED. REFER TO SPECS.

For SI: 1 cubic foot per minute = 0.075 l/s, 1 square foot = 0.093 m².
a. The maximum rate for windows, sliding and swinging doors, and skylights is permitted to be 0.3 cfm per square foot of fenestration or door area when tested in accordance with AAMA/WDMA/CSA101/1.5.2/A440 at 6.24 psf (300 Pa).

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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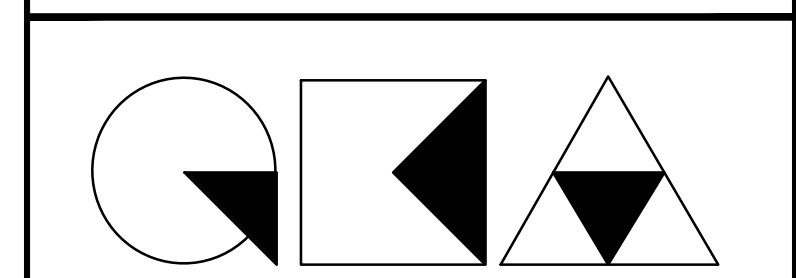
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11	01/11/2019	PAA ISSUED TO DOB
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09	08/28/2018	ISSUED TO DOB
08	06/22/2018	ISSUED TO DOB
07	03/30/2018	ISSUED 100% CD
06	11/29/2017	ISSUED FOR DOB
05	11/10/2017	ISSUED FOR BID SET
04	10/19/2017	ISSUED FOR DOB
03	10/02/2017	ISSUED FOR MODULAR
02	08/03/2017	ISSUED TO DOB
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ISSUED DRAWINGS

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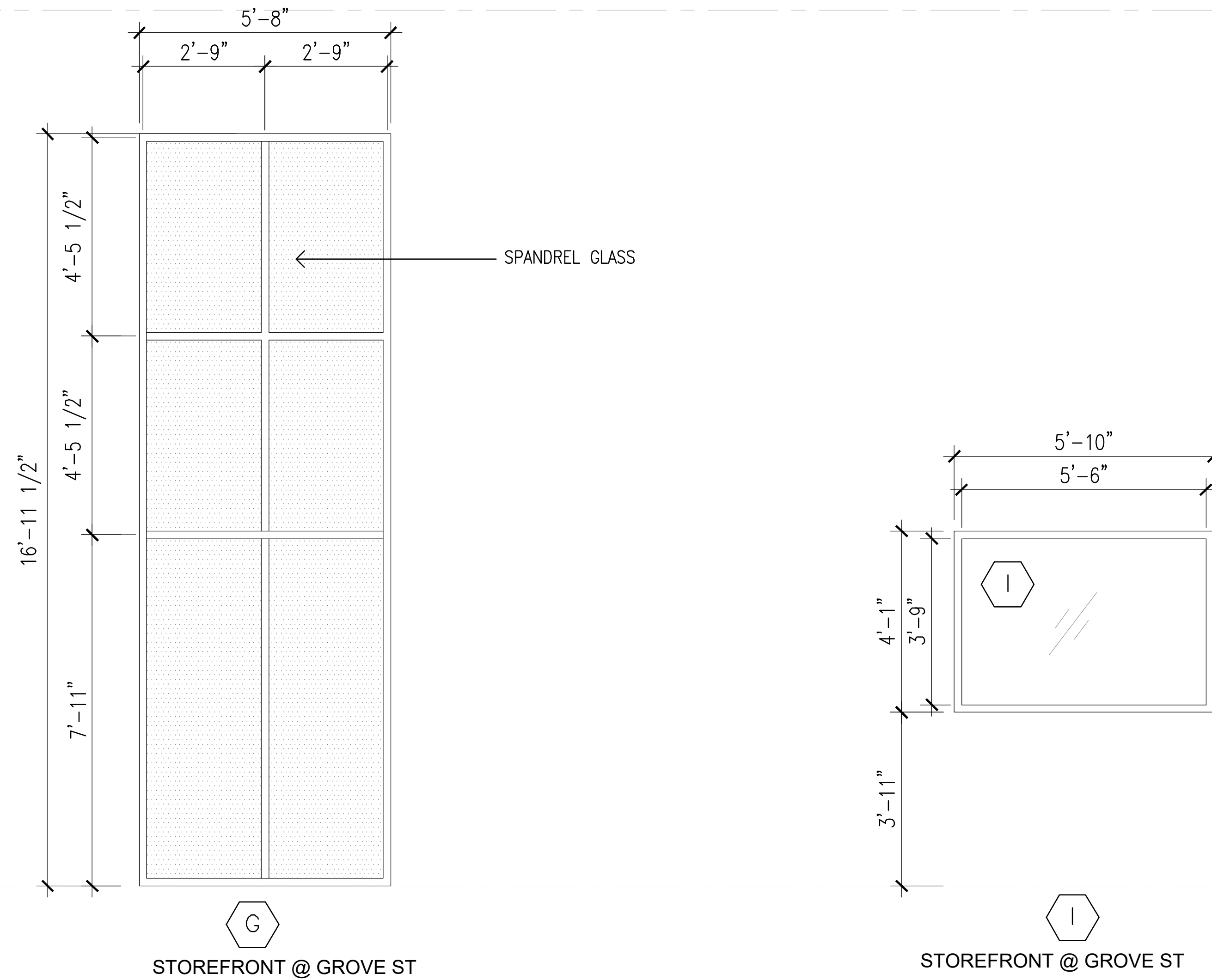
291 LIVINGSTON STREET
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WINDOW SCHEDULE

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SECOND FLOOR
ELEV: 18'-0"



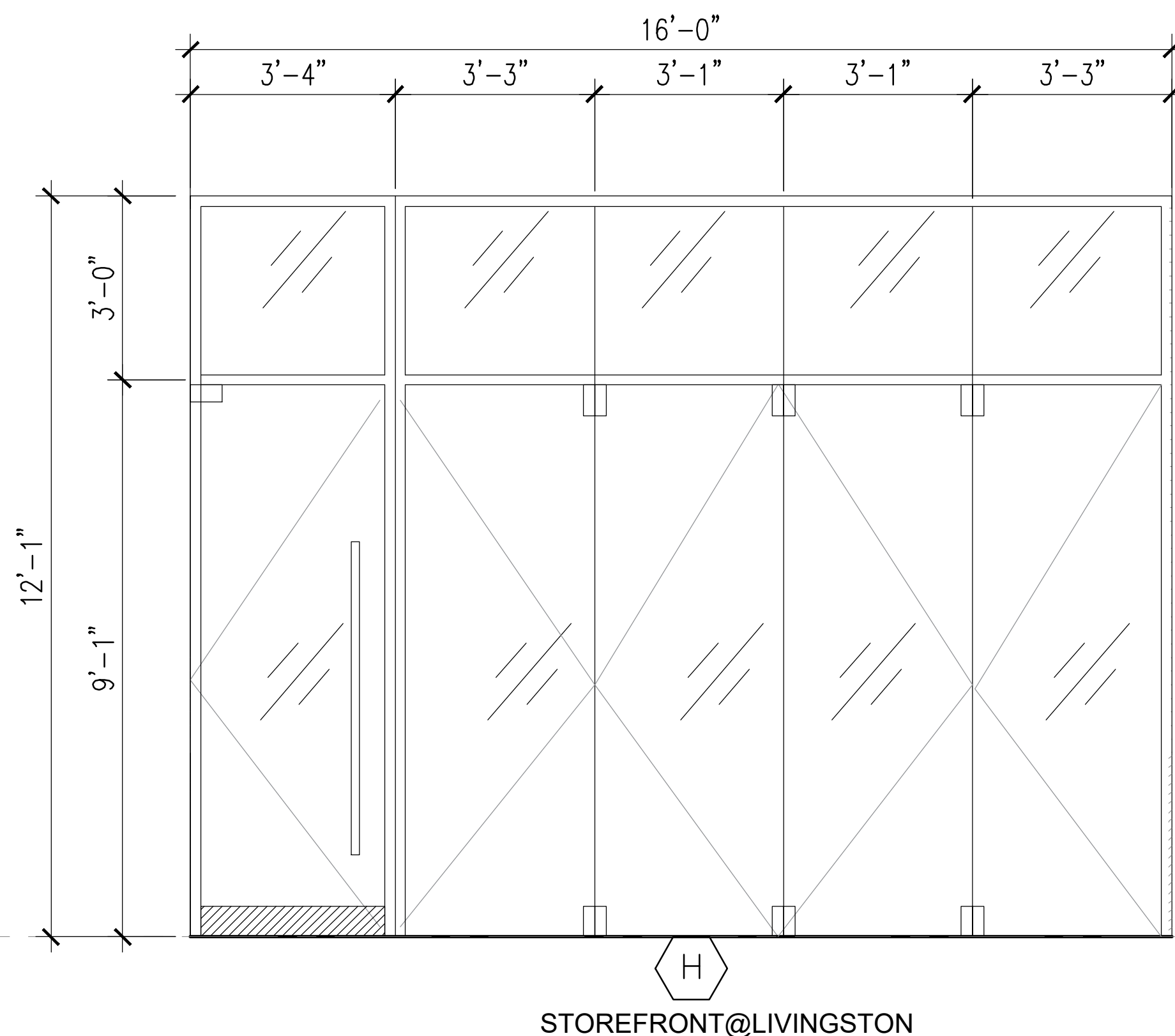
NOTE:
DRAWINGS TO COMPLY WITH MANDATORY PROVISIONS OF SECTION C402.5 FOR AIR LEAKAGE.

TABLE C402.5.2 MAXIMUM AIR INFILTRATION RATE FOR FENESTRATION ASSEMBLIES		
FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/FT ²)	TEST PROCEDURE
Windows	0.20 ^a	AAMA/WDMA/CSA101/ I.5.2/A440 or NFRC 400
Sliding doors	0.20 ^a	
Swinging doors	0.20 ^a	
Skylights - with condensation weepage openings	0.30	
Skylights - all others	0.20 ^a	NFRC 400 or ASTM E 283 at 1.57 psf (75 Pa)
Curtain walls	0.06	
Storefront glazing	0.06	
Commercial glazed swinging entrance doors	1.00	ANSI/DASMA 105, NFRC 400, or ASTM E 283 at 1.57 psf (75 Pa)
Revolving doors	1.00	
Garage doors	0.40	ANSI/DASMA 105, NFRC 400, or ASTM E 283 at 1.57 psf (75 Pa)
Rolling doors	1.00	
High-speed doors	1.30	

For St: 1 cubic foot per minute = 0.47 l/s, 1 square foot = 0.093 m².
a. The maximum rate for windows, sliding and swinging doors, and skylights is permitted to be 0.3 cfm per square foot of fenestration or door area when tested in accordance with AAMA/WDMA/CSA101/I.5.2/A440 at 6.24 psf (300 Pa).

1ST F.F FLOOR @ GROVE ST
ELEV: -2'-1-1/2"

SECOND FLOOR
ELEV: 18'-0"



STOREFRONT SCHEDULE AND TYPES			
TYPE	TYPE G	TYPE H	TYPE I
WINDOW SIZE	16'-11-1/2" x 5'-8"	12'-1" x 16'-0"	4'-1" x 5'-10"
WINDOW MATERIAL	ALUMINUM	ALUMINUM	ALUMINUM
GLASS FINISH	CLEAR	CLEAR	CLEAR
GLAZING	TEMPERED, INSULATED	TEMPERED, INSULATED	TEMPERED, INSULATED
VENTILATION	NO	NO	NO
COLOR EXT./INT.	TBD	TBD	TBD
REMARKS	STOREFRONT	STOREFRONT	STOREFRONT
U-FACTOR (ASSEMBLY)	0.38 FIXED / 0.44 OPERABLE / 0.77 GLASS DOOR		
SHGC	0.40		

WINDOW ASSEMBLY PERFORMANCE SPECIFICATIONS:

- Computed Thermal Transmittance (U-Value) shall not exceed 0.38 (fixed) and 0.45 (operable) BTU/hr/sq.ft./F for the whole window assembly.
- ECC C402.5 AIR LEAKAGE OF WINDOW / DOOR ASSEMBLIES SHALL BE DETERMINED IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.5.2/A440, OR NFRC 400 BY AN ACCREDITED, INDEPENDENT LABORATORY, AND LABELED AND CERTIFIED BY THE MANUFACTURER, AND SHALL NOT EXCEED 0.30 CFM PER SQUARE FOOT (1.5 L/s/m²), AND SWINGING DOORS NO MORE THAN 0.30 CFM PER SQUARE FOOT (2.6 L/s/m²).
- ECC C402.5 CURTAIN WALL, STOREFRONT GLAZING, AND COMMERCIAL-GLAZED SWINGING DOORS AND REVOLVING DOORS SHALL BE TESTED FOR AIR LEAKAGE AT 1.57 POUNDS PER SQUARE FOOT (PSF) (75 Pa) IN ACCORDANCE WITH ASTM E 283. FOR CURTAIN WALLS AND STOREFRONT GLAZING, THE MAXIMUM AIR LEAKAGE RATE SHALL BE 0.06 CUBIC FOOT PER MINUTE PER SQUARE FOOT (CFM/h²) (5.5 m³/h x m²) OF FENESTRATION AREA. FOR COMMERCIAL GLAZED SWINGING ENTRANCE DOORS AND REVOLVING DOORS, THE MAXIMUM AIR LEAKAGE RATE SHALL BE 1.00 CFM/h² (18.3 m³/h x m²) OF DOOR AREA WHEN TESTED IN ACCORDANCE WITH ASTM E 283. PROVIDE SPECIFICATION.

GENERAL NOTES:

- CONTRACTOR IS TO COORDINATE LH. OR RH. WINDOW OPERATION AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO COORDINATE (1) SPRINKLER HEAD PER WINDOW ALL LOT-LINE WINDOWS AS PER NYC D.O.B. (SEE ARCHITECTURAL AND/OR SPRINKLER DRAWINGS FOR ADDITIONAL NOTES).
- ALL WINDOW FRAMES TO BE PAINTED ALUMINUM WITH THERMAL BREAK. COLOR TBD.
- ALL WINDOWS TO BE PROVIDED WITH HEAVY DUTY HARDWARE PACKAGE IN ACCORDANCE WITH WINDOW MANUFACTURER SPECS.
- PROVIDE JAMB EXTENSIONS AS REQUIRED.
- INSTALLATION CLIPS TO BE PROVIDED BY MANUFACTURER, AS REQUIRED.
- MANUFACTURER/INSTALLER TO FIELD VERIFY ALL ROUGH OPENINGS AND FIELD CONDITIONS BEFORE BEGINNING WINDOW FABRICATION.
- GENERAL CONTRACTOR TO VERIFY & COORDINATE INSTALLATION OF SASH LIMITING DEVICES AS REQUIRED BY THE NYC D.O.B.
- ALL LOT-LINE & STAIR TOWER WINDOWS TO BE WIRE & TEMPERED ALL GLASS TO BE INSULATING DOUBLE GLAZED WITH LOW E COATING PER SPECIFICATIONS, UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS.
- GENERAL CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS, EXHIBITING THE INTEGRATION OF ALL FACADE MATERIALS, WINDOW SYSTEMS, ROUGH OPENINGS, MODULAR UNITS, CONTROL AND EXPANSION JOINTS, WITH FINISH SAMPLES, FULLY COORDINATED PRIOR TO BEGINNING INSTALLATION.
- CONTRACTOR TO PERFORM WATER RESISTANCE, AIR INFILTRATION, LOAD DEFLECTION AND LOAD STRUCTURAL TEST.
- GENERAL CONTRACTOR TO PROVIDE CERTIFICATE OF WARRANTY INSTALLATION IN ACCORDANCE WITH WINDOW MANUFACTURER SPECIFICATIONS.
- WINDOWS TO BE DOUBLE-GLAZED 1 1/4" INSULATING LAMINATED PER SPECIFICATIONS, UNLESS OTHERWISE NOTED. REFER TO SPECS.

1ST F.F FLOOR @ LIVINGSTON ST
ELEV: 0'-0"

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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DATE	DESCRIPTION
10/19/2018	ISSUED ADDENDUM #1
08/28/2018	ISSUED TO DOB
06/22/2018	ISSUED TO DOB
03/30/2018	ISSUED 100% CD
11/29/2017	ISSUED FOR DOB
11/10/2017	ISSUED FOR BID SET
10/19/2017	ISSUED FOR DOB
10/02/2017	ISSUED FOR MODULAR
08/03/2017	ISSUED TO DOB
06/07/2017	ISSUED TO DOB

ISSUED DRAWINGS

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL

GENE KAUFMAN ARCHITECT PC

79 FIFTH AVENUE, 18TH FLOOR - NEW YORK, NY 10003
T 212 625 8700 www.gkpc.com

291 LIVINGSTON STREET
BROOKLYN, NY 11217

STOREFRONT SCHEDULE

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-606.00
	PAGE #

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE THE DRAWINGS. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL SIGNED BY THE CONSULTANTS.

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01	06/07/2017 ISSUED TO DOB

ISSUED DRAWINGS



79 FIFTH AVENUE, 18 FLOOR - NEW YORK, NY 10003 - T 212 625 8700

STRUCTURAL ENGINEER

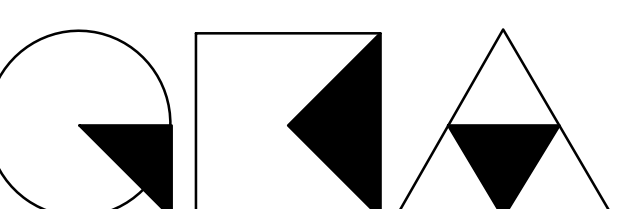


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MEP ENGINEER

JOB NUMBER NB#321193230

EXAMINER SEAL




GENE KAUFMAN ARCHITECT PC

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291 LIVINGSTON STREET
BROOKLYN, NY 11217

TRASH COMPACTOR ROOM DETAIL

SEAL & SIGNATURE	DATE: 5/11/2017
	SCALE: AS NOTED
	DRAWING NUMBER: A-703.00
	PAGE #

NOTES:

- FOR SPRINKLER HEADS PLEASE REFER TO SPRINKLER DRAWINGS
- CEILING TO BE EXPOSED CONCRETE

TRASH COMPACTOR ROOM REQUIREMENTS

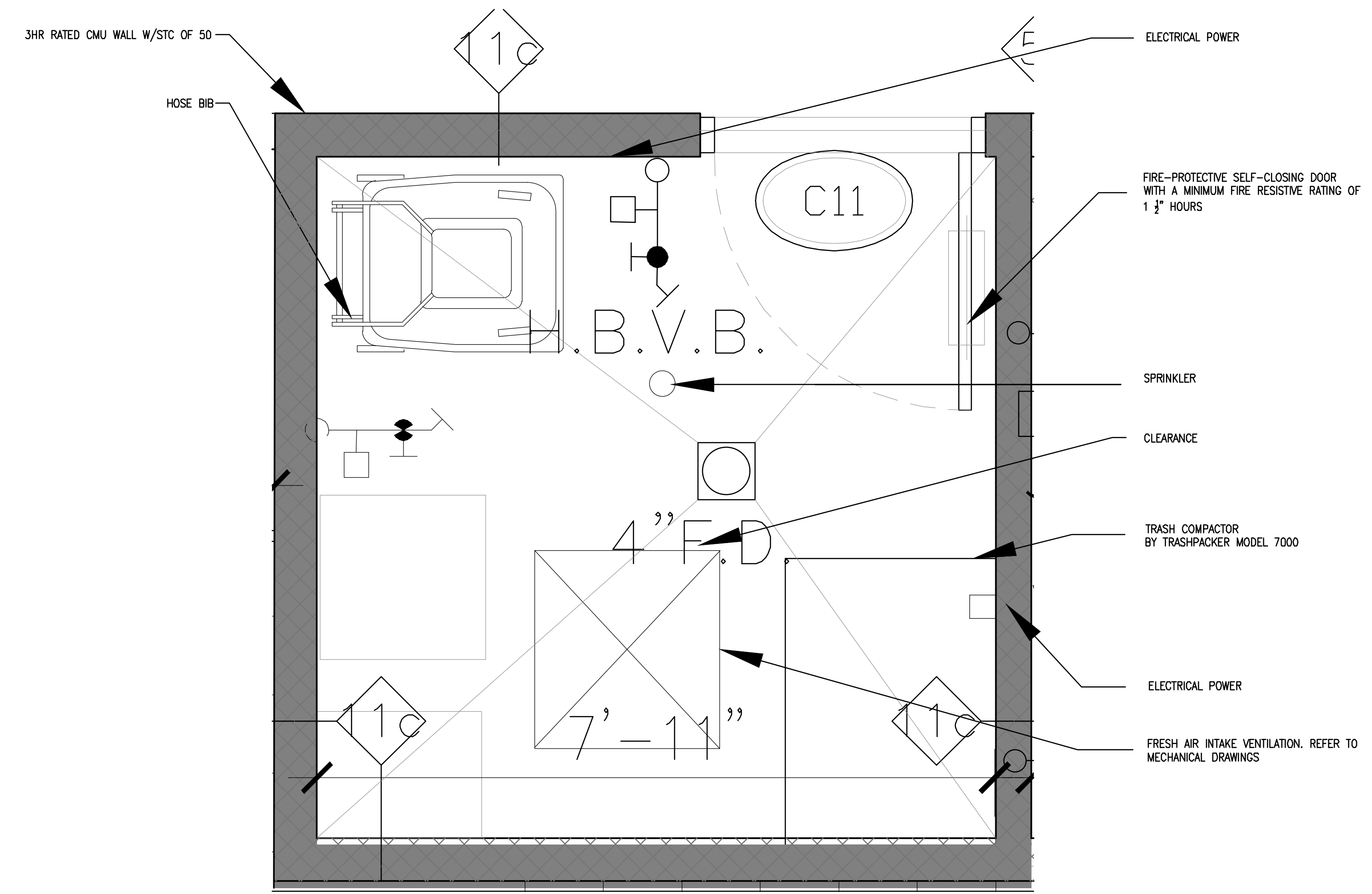
PLANS MUST INCLUDE THE FOLLOWING:

- TRASH COMPACTOR ROOM LOCATION, CLEARLY MARKED "TRASH COMPACTOR ROOM", AND THE ROOM'S DIMENSIONS.
- TRASH COMPACTOR SIZE, DIMENSIONS AND LOCATION.
- CLEARANCE SPACE SURROUNDING THE TRASH COMPACTOR.
- SPRINKLER LOCATIONS IN THE TRASH COMPACTOR ROOM.
- ELECTRICAL POWER ACCESS FOR TRASH COMPACTOR EQUIPMENT.
- VENTILATION ACCESS TO FRESH AIR (VIA POWER VENTILATION OR WINDOW DUCT).
- FLOOR DRAIN CONNECTED TO THE BUILDING DRAIN IN THE TRASH COMPACTOR ROOM.
- HOSE BIB LOCATION IN THE TRASH COMPACTOR ROOM.
- A MINIMUM FIRE RESISTIVE RATING OF THREE HOURS FOR THE COMPACTOR ROOM WALLS AND CEILING MATERIAL ASSEMBLIES. (GYPSUM MASONRY MAY NOT BE USED.)
- A FIRE-PROTECTIVE SELF-CLOSING DOOR WITH A MINIMUM FIRE RESISTIVE RATING OF 1 ½ HOURS.
- CONSTRUCTION DETAILS FOR WALL MATERIAL ASSEMBLIES.
- SOUND TRANSMISSION CLASS (STC) RATINGS ARE REQUIRED FOR:
 - ALL COMPACTOR ROOM WALLS; AND
 - ALL TRASH-CHUTE WALLS AND TRASH DISPOSAL ROOM WALLS.
- STC AND IMPACT INSULATING CLASS RATINGS FOR FLOOR CONSTRUCTION ABOVE THE COMPACTOR ROOM.

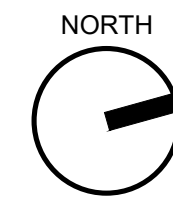
MECHANICAL EQUIPMENT SPACES AND SHAFTS WITH AN STC OF 50,

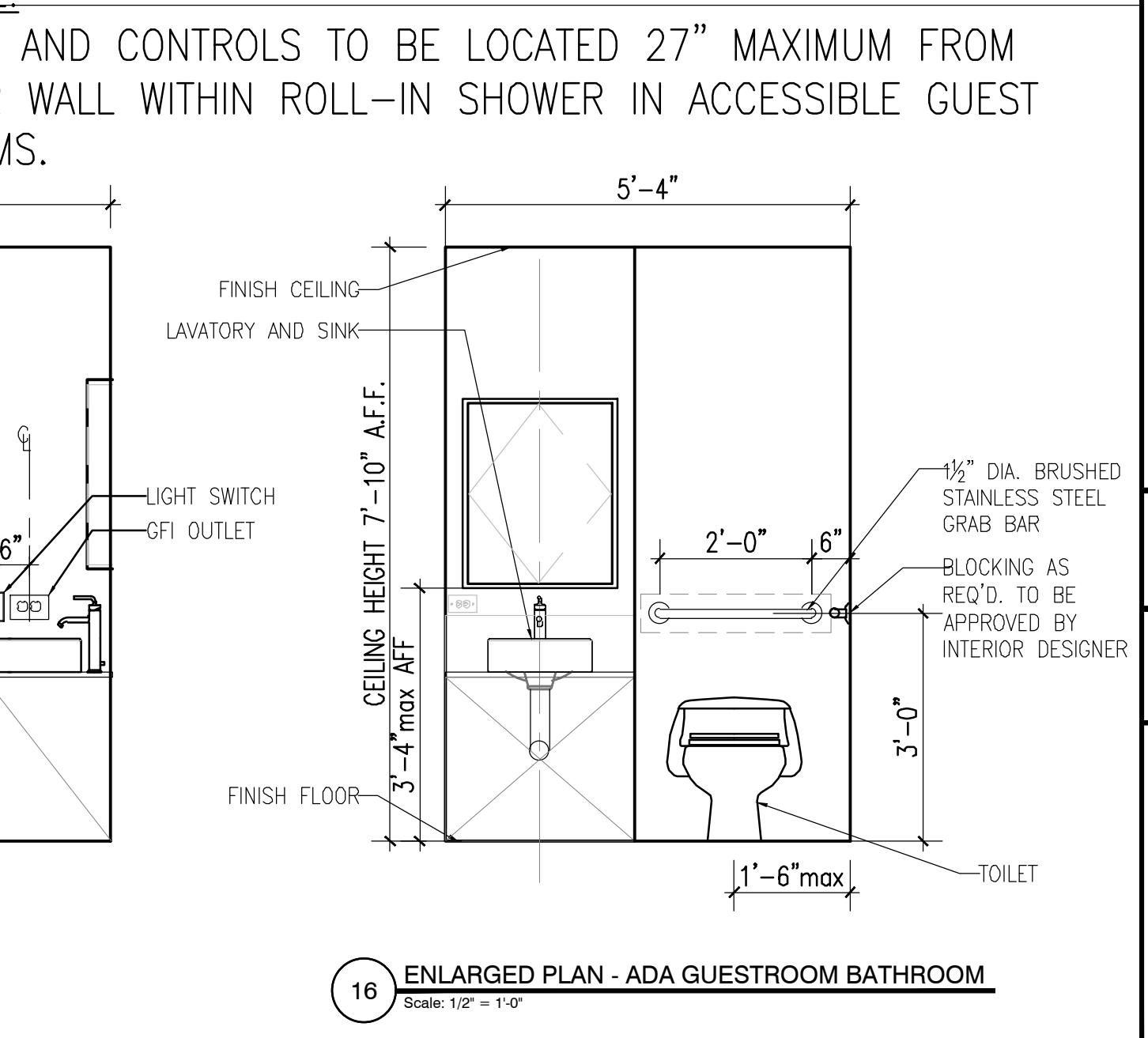
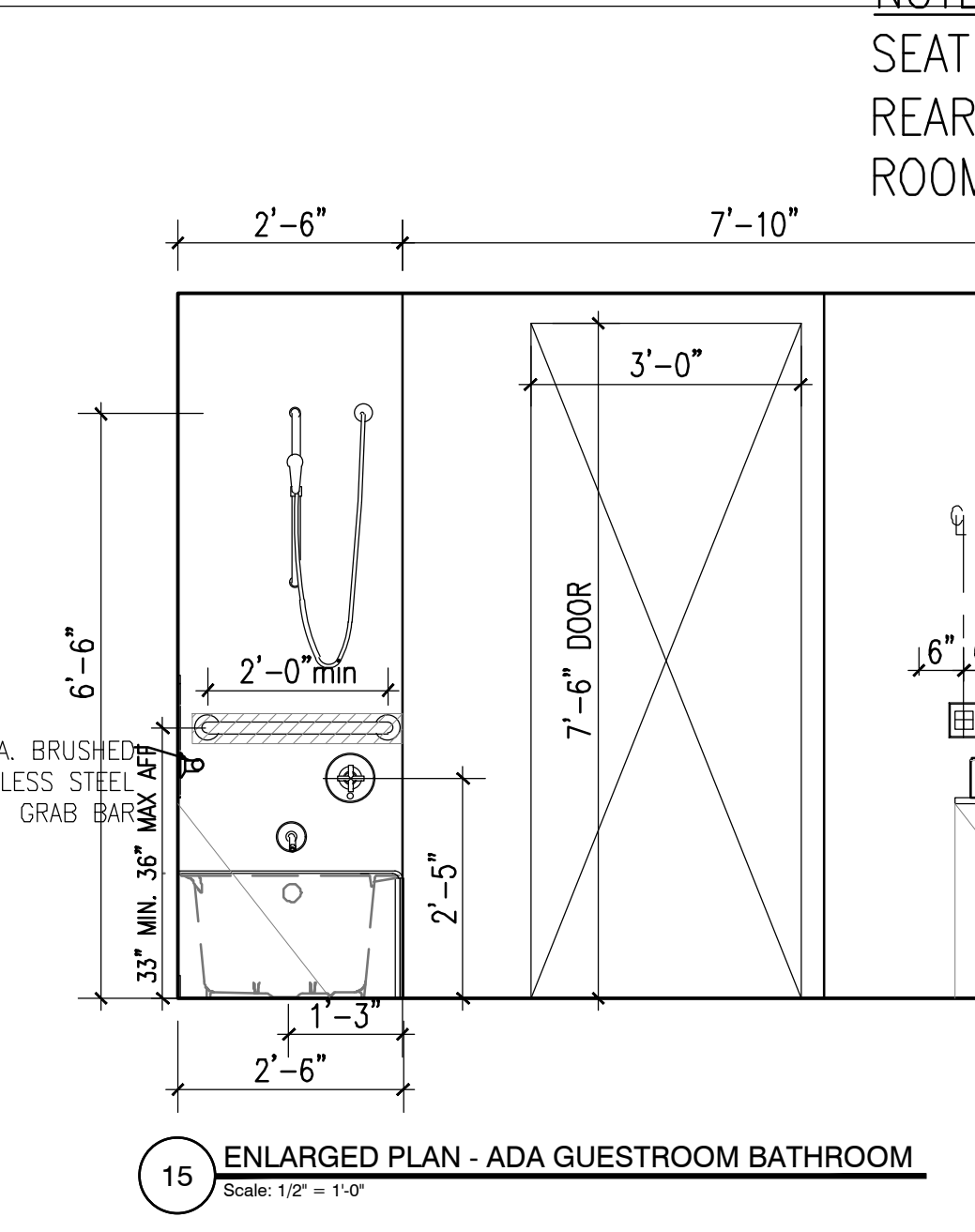
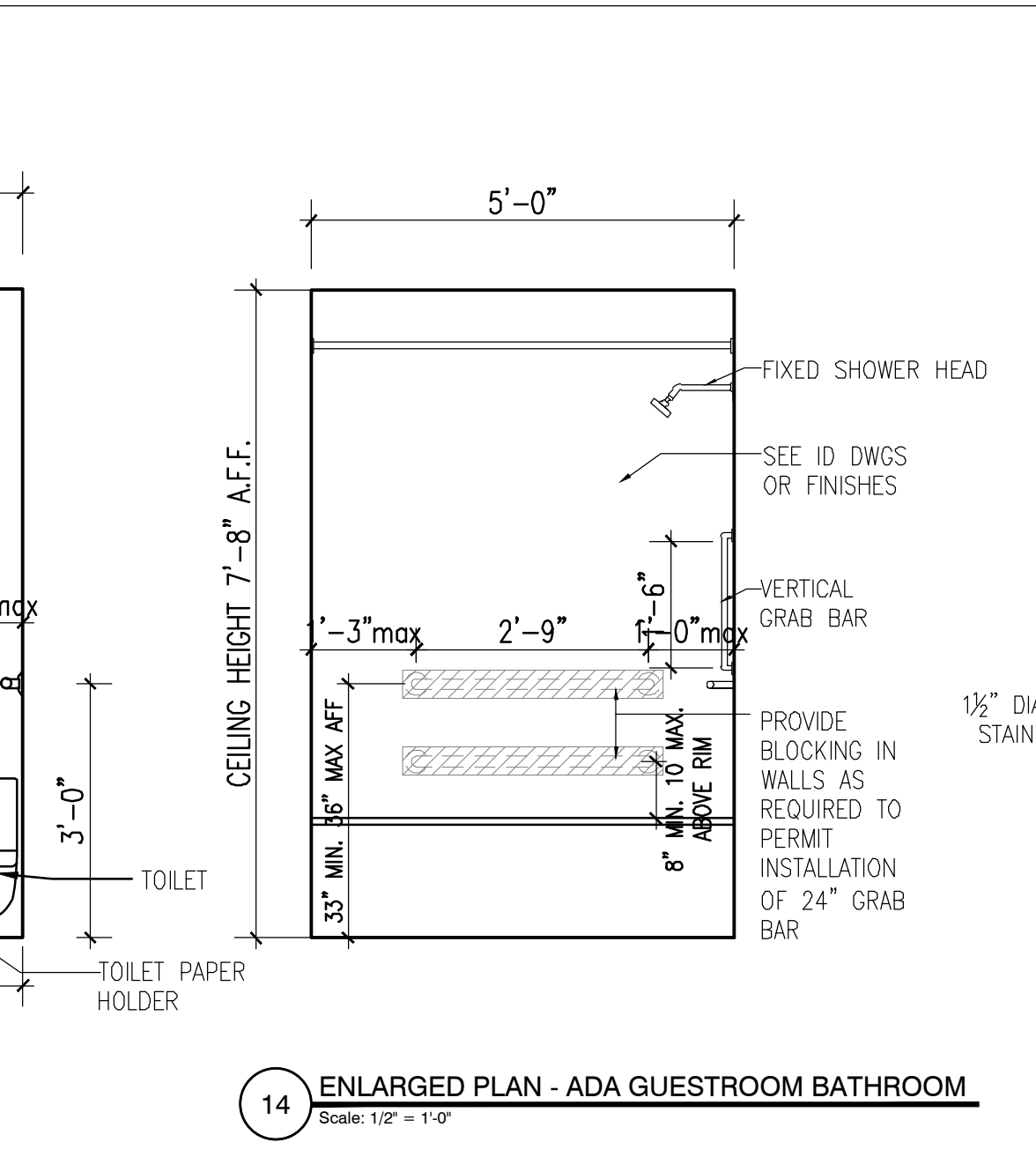
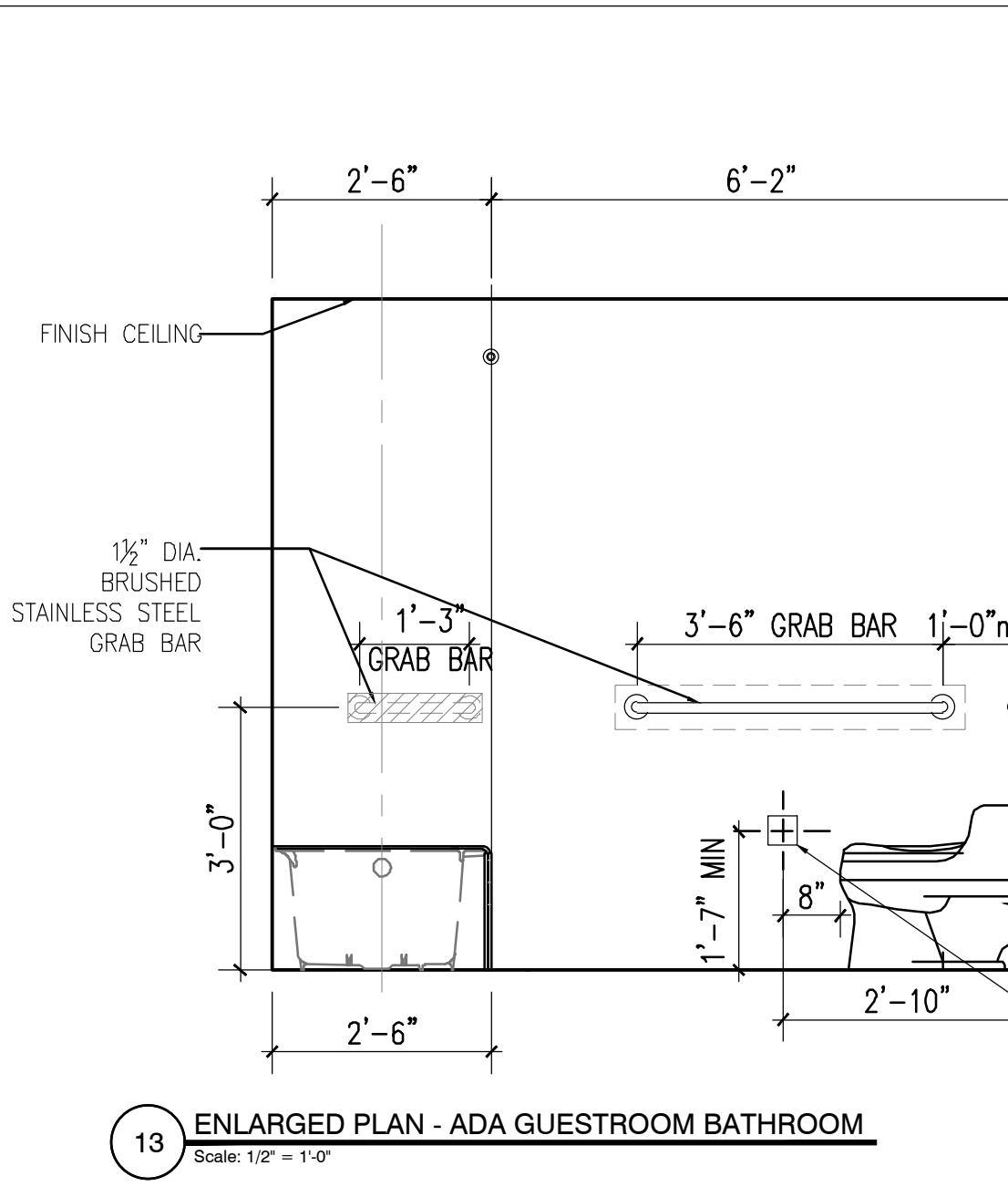
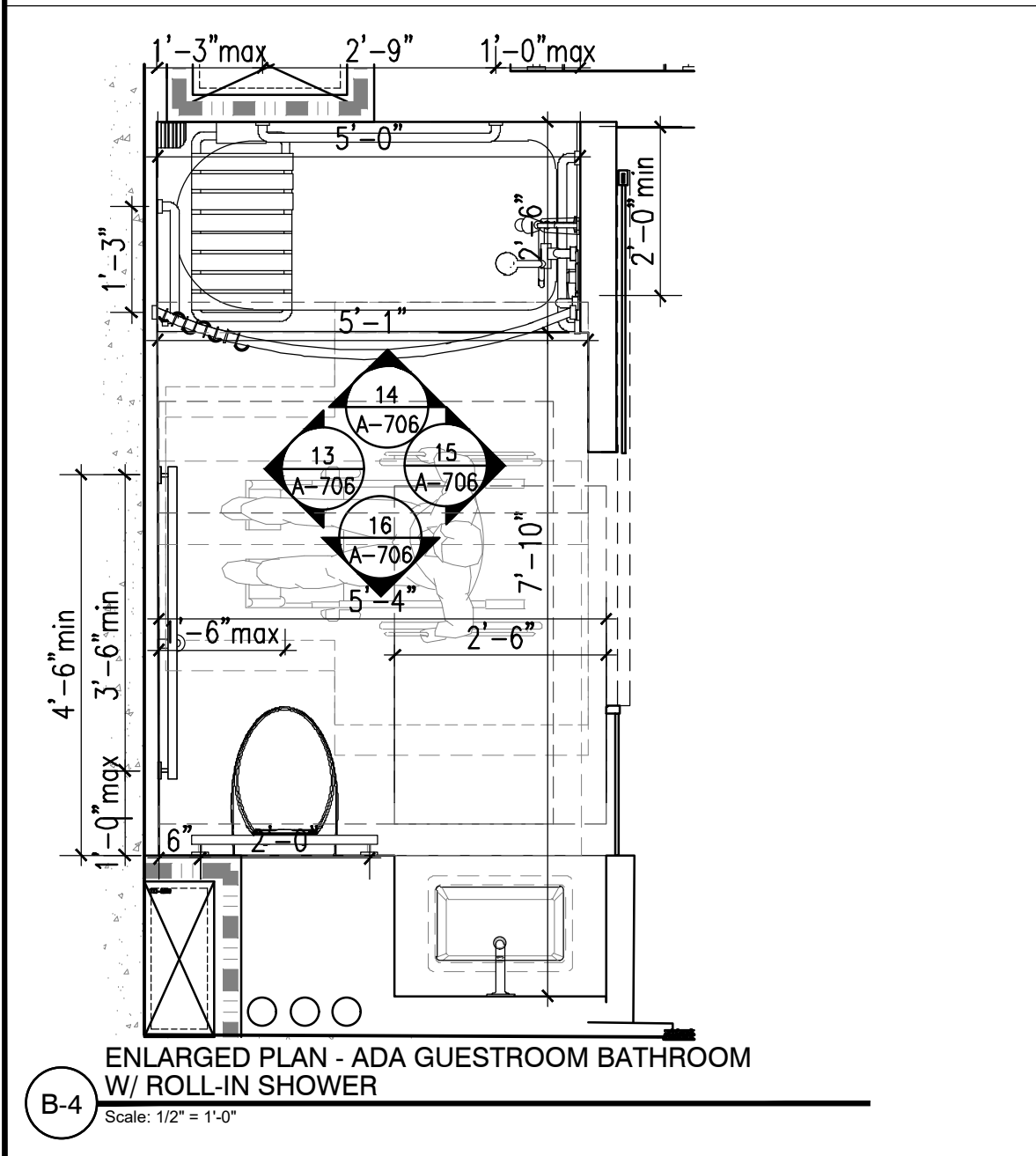
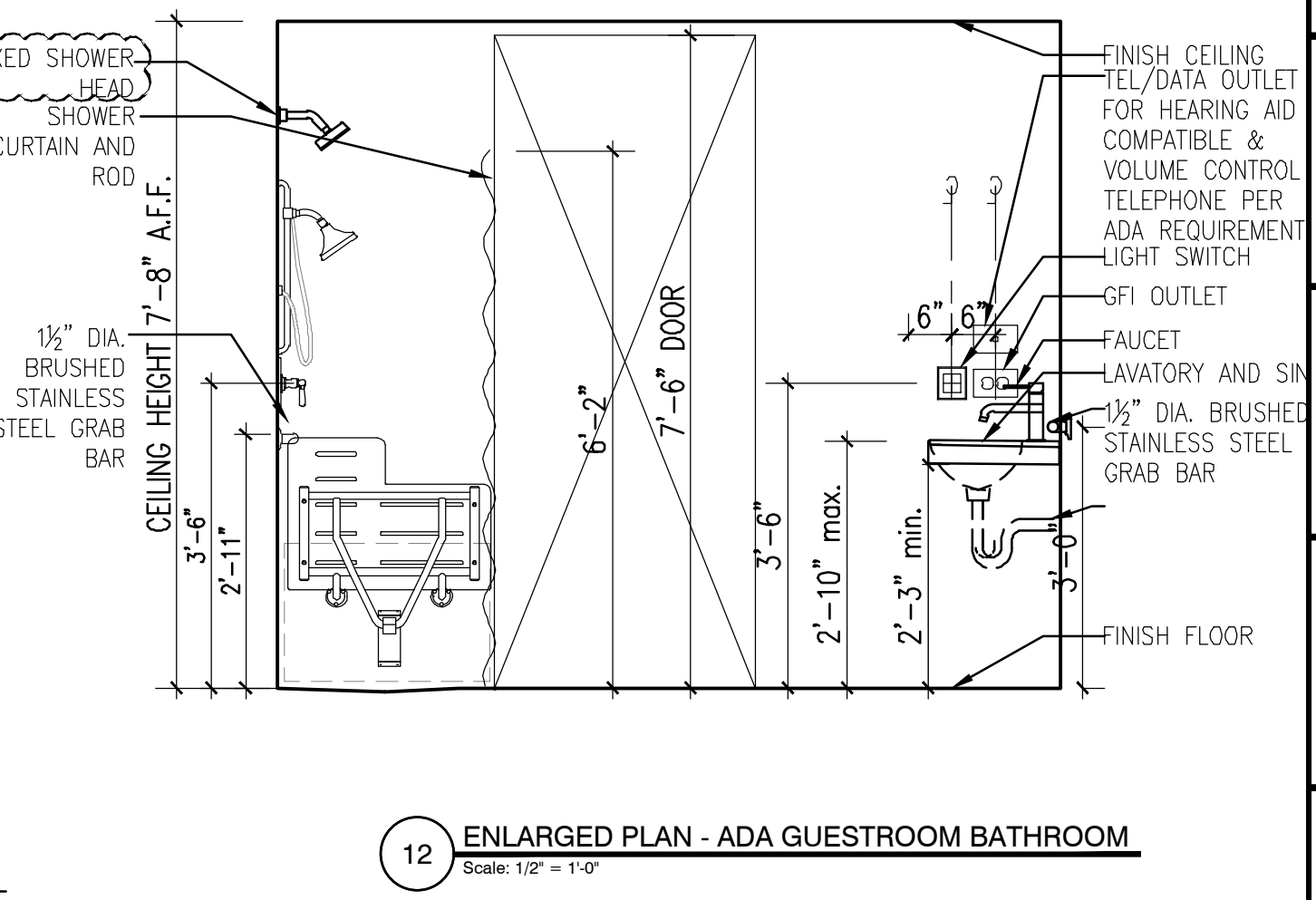
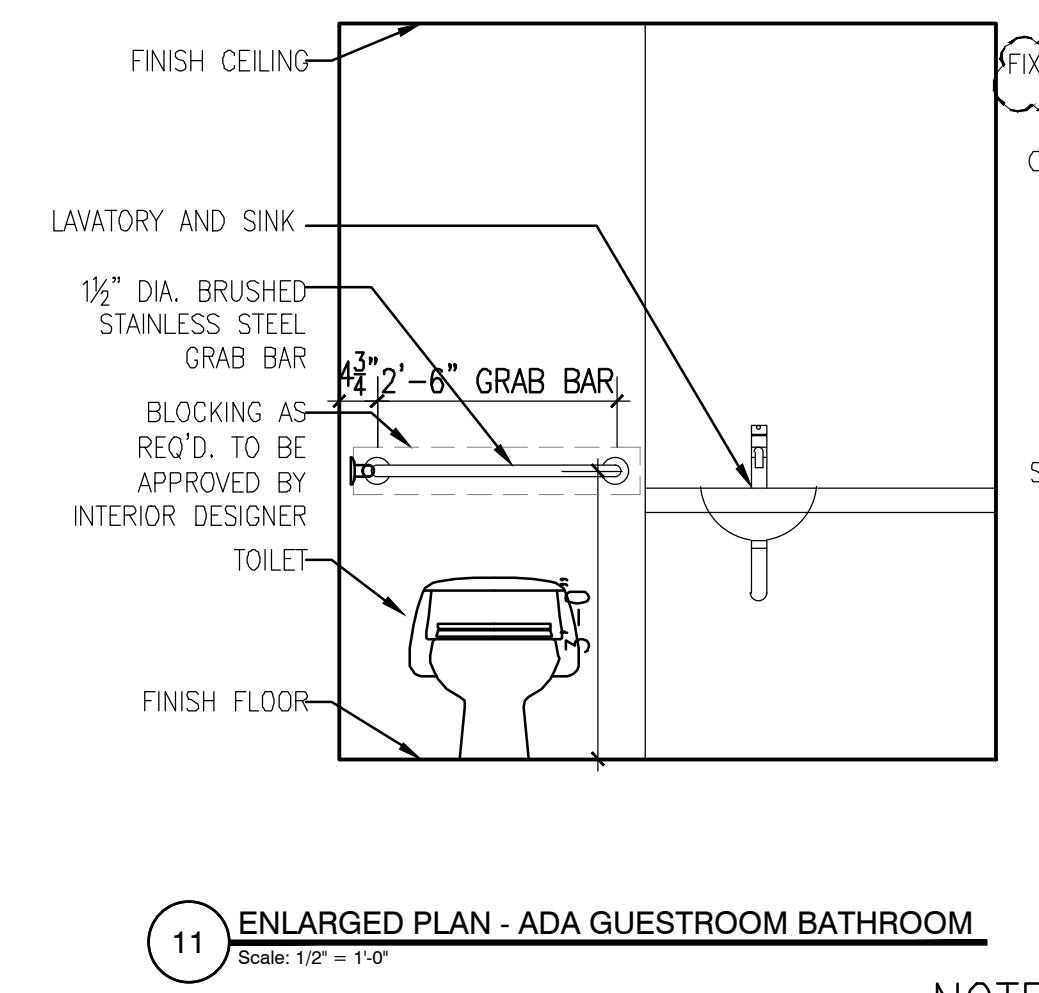
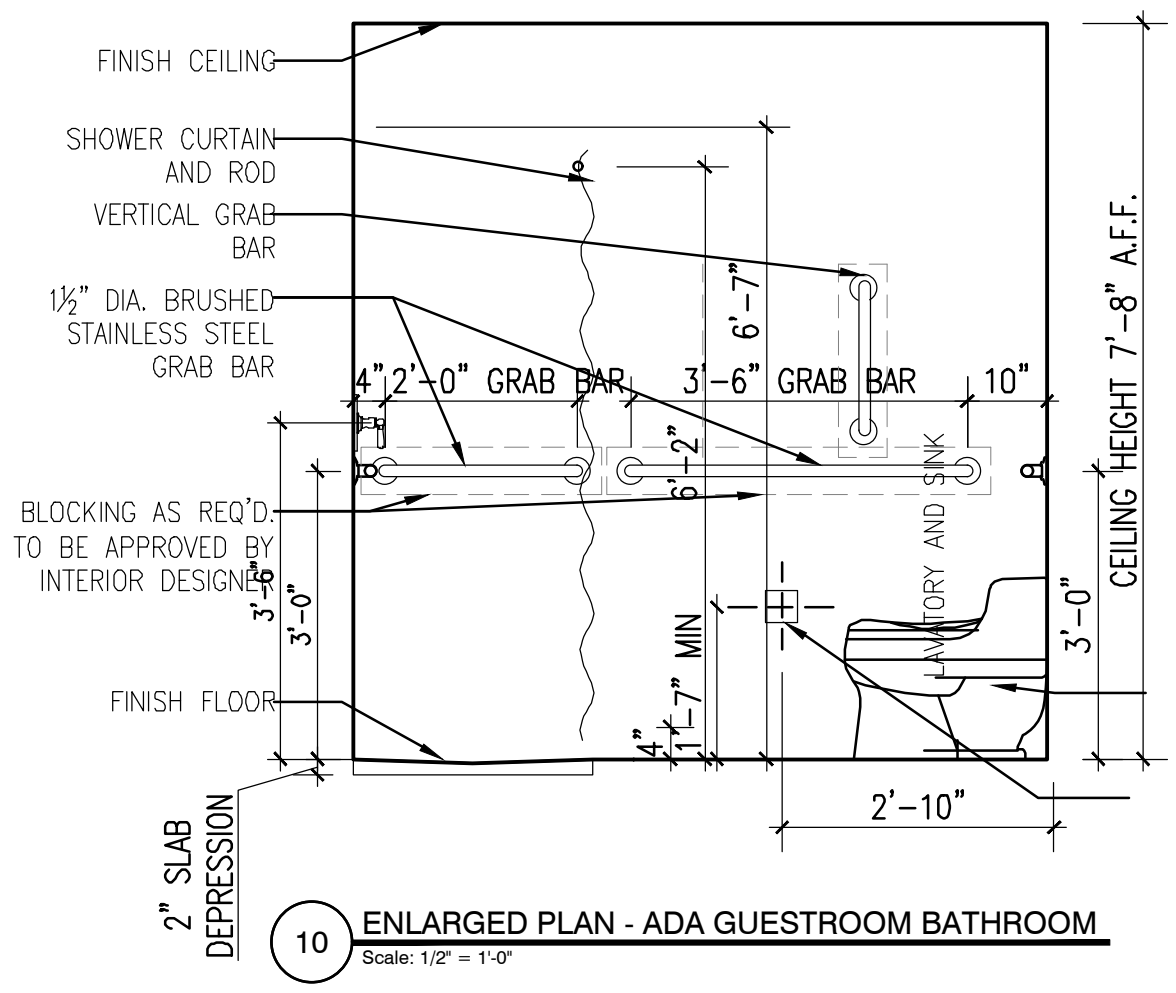
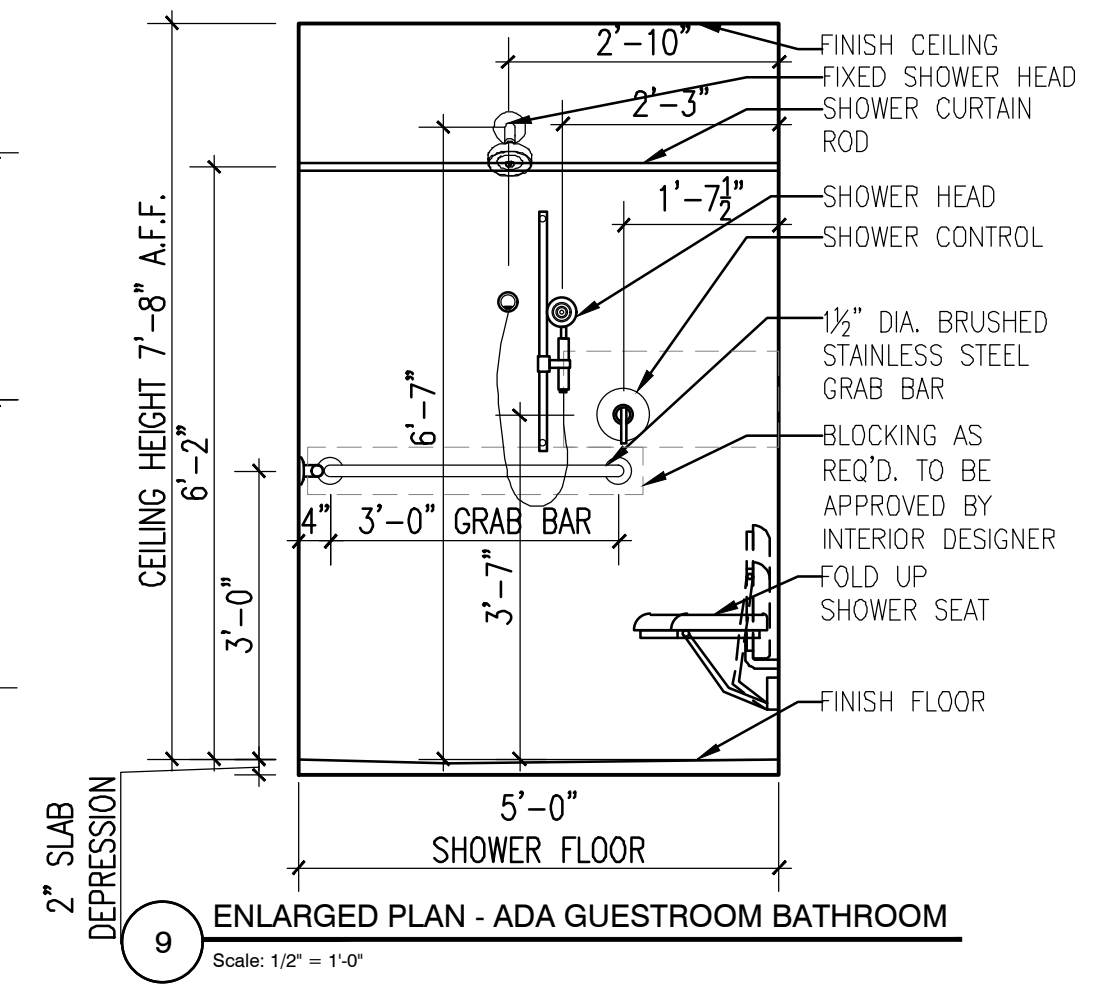
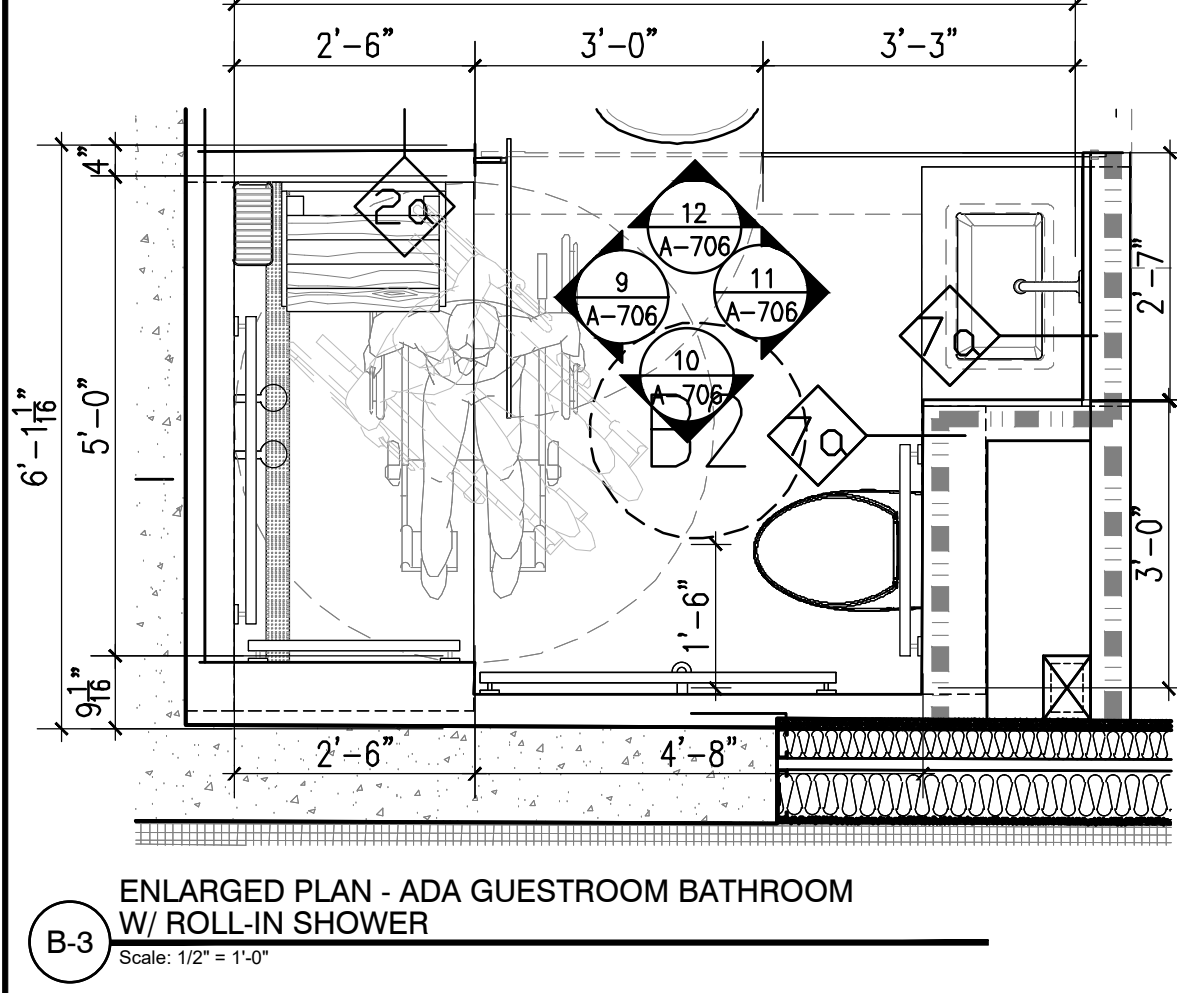
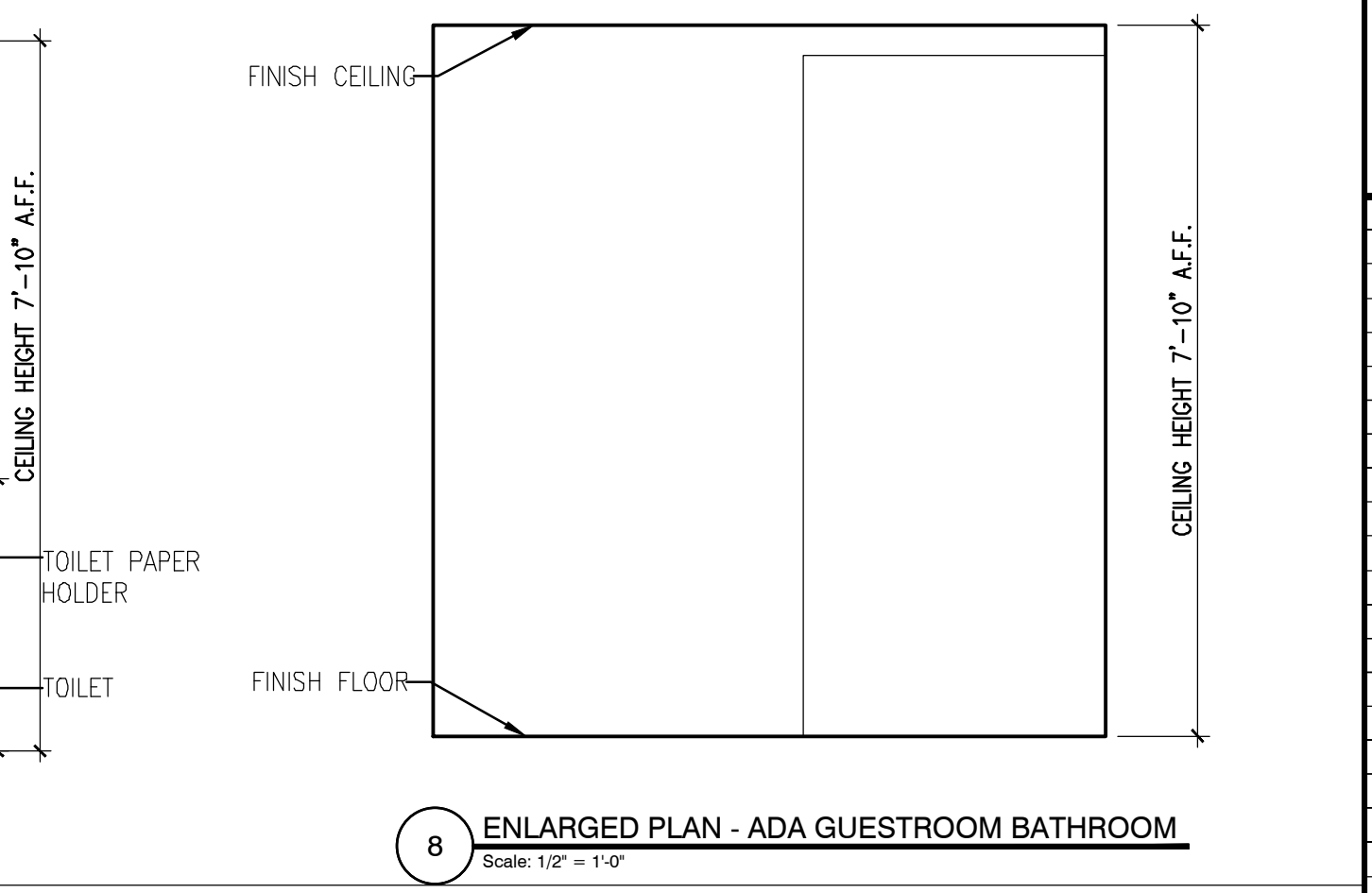
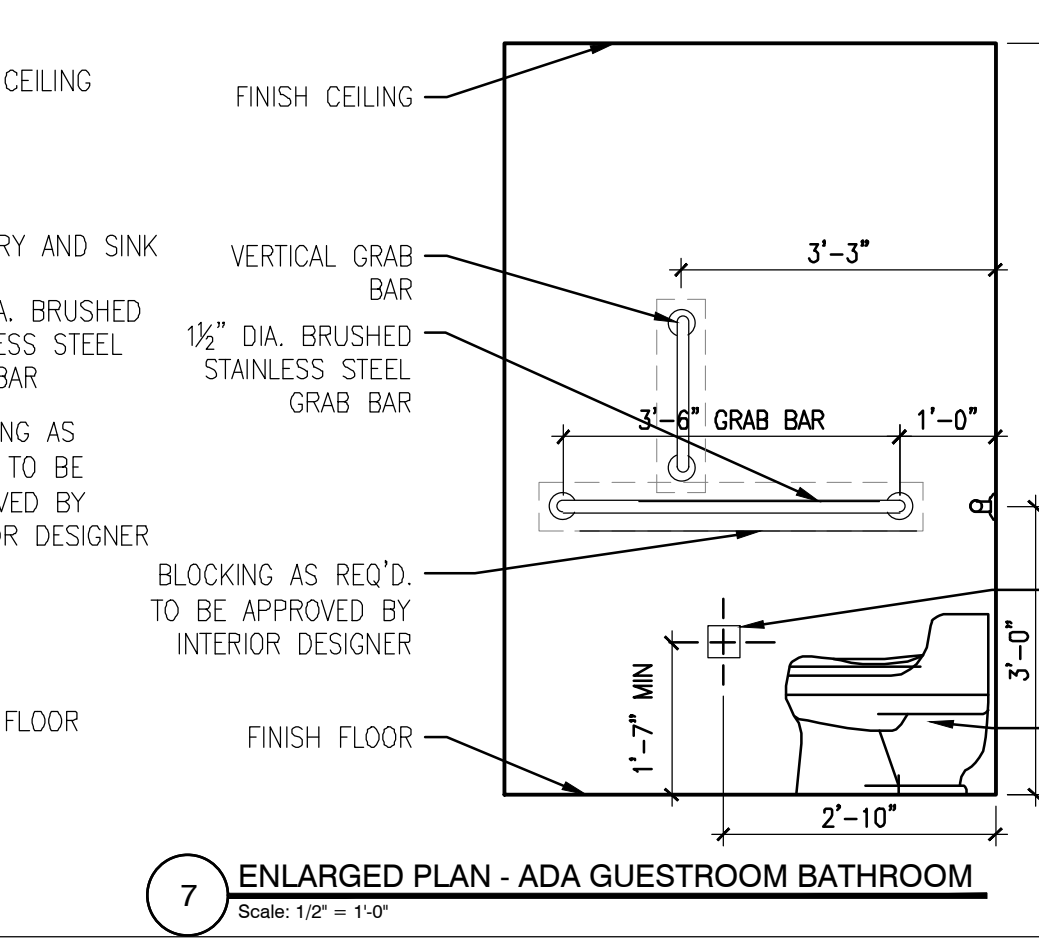
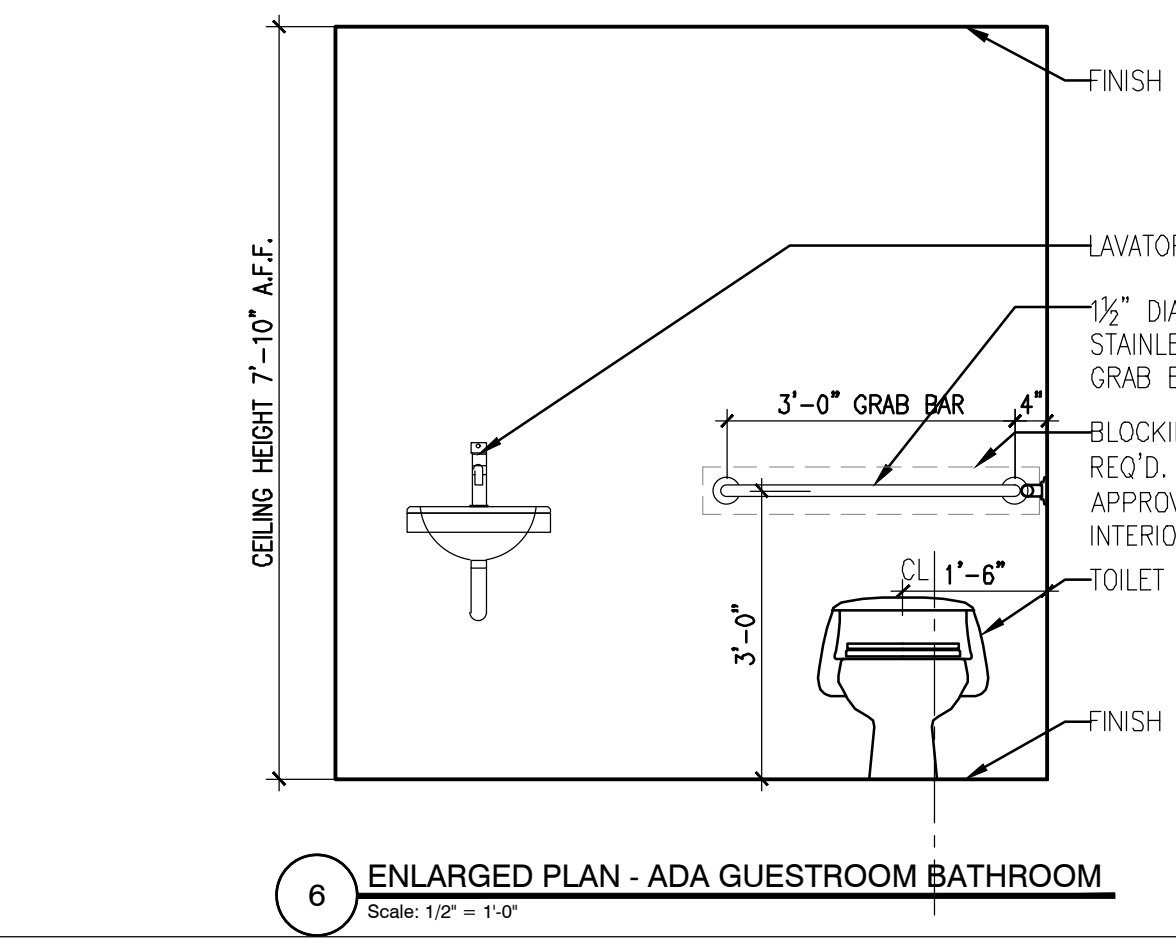
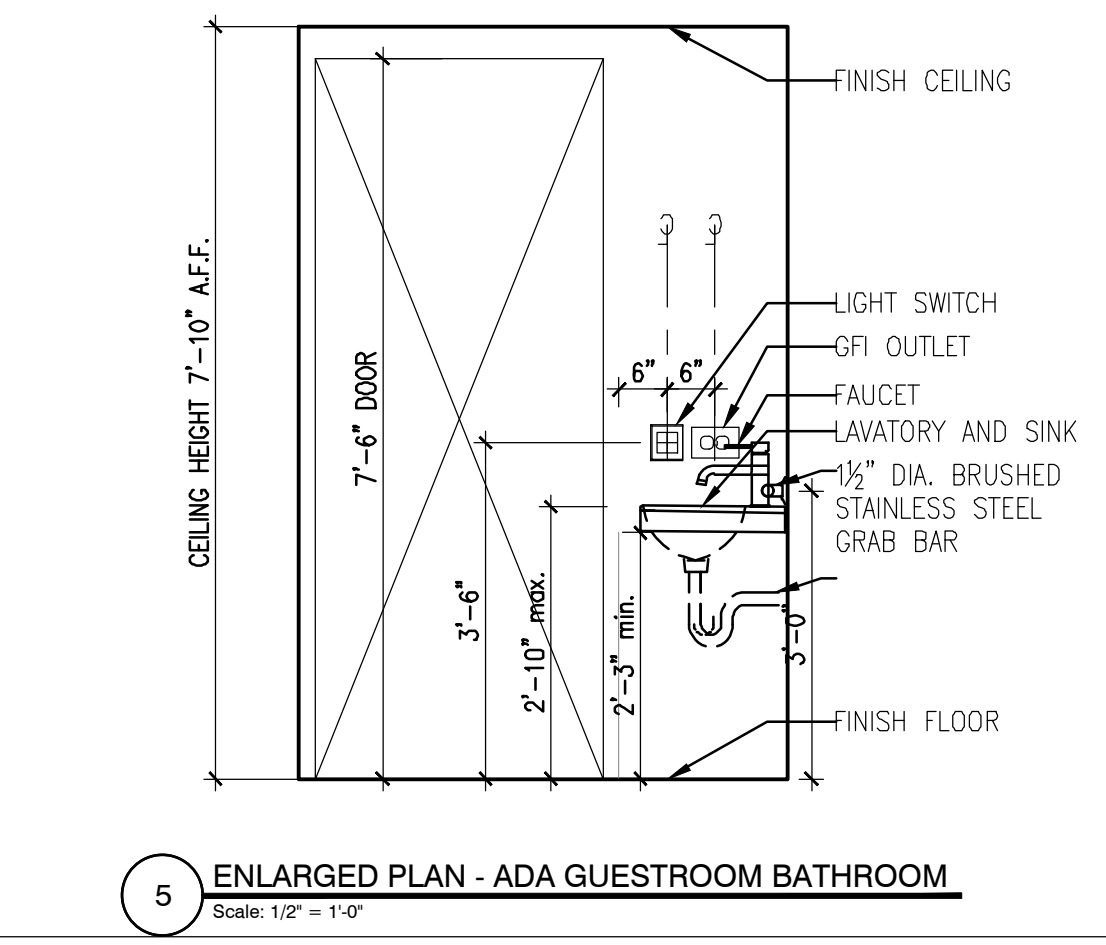
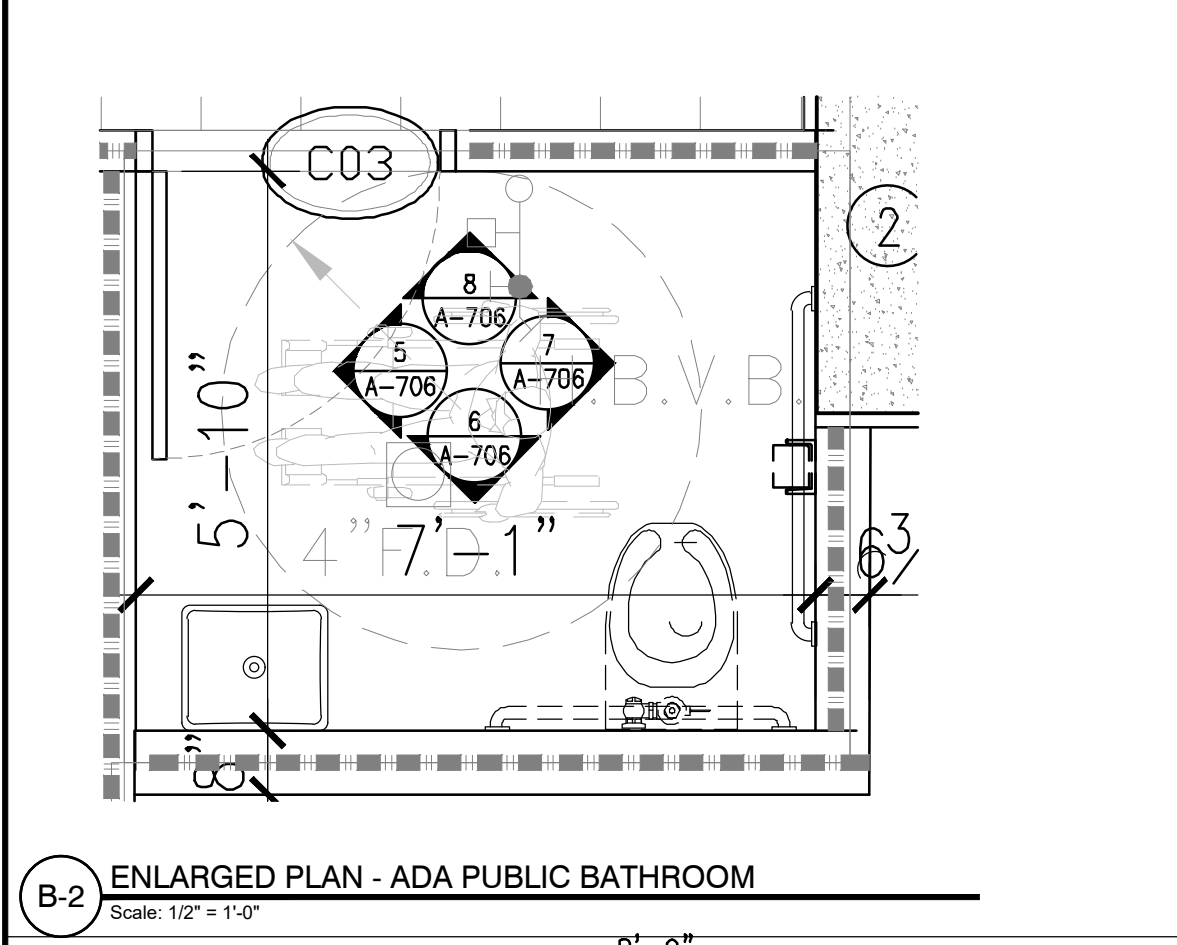
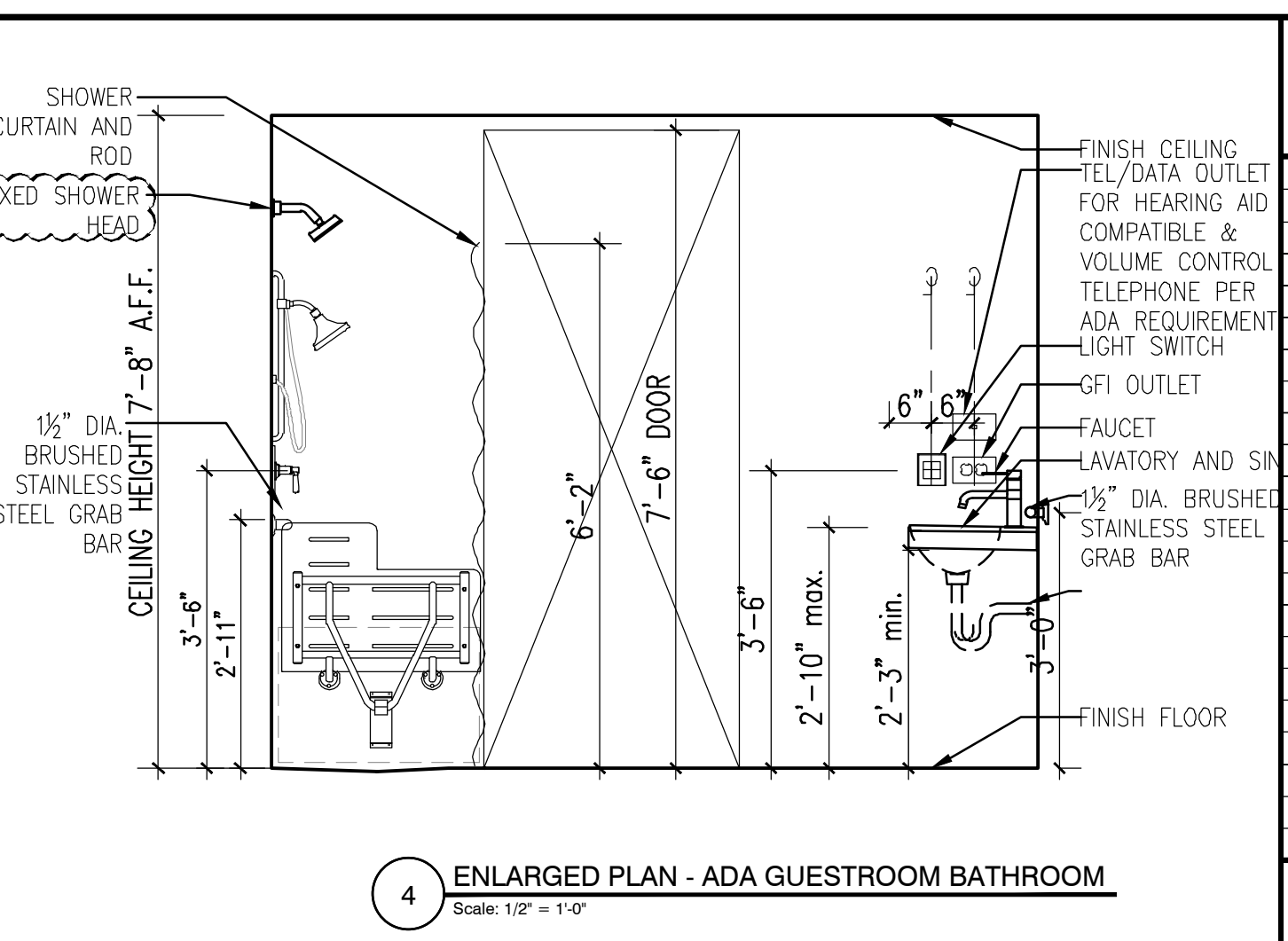
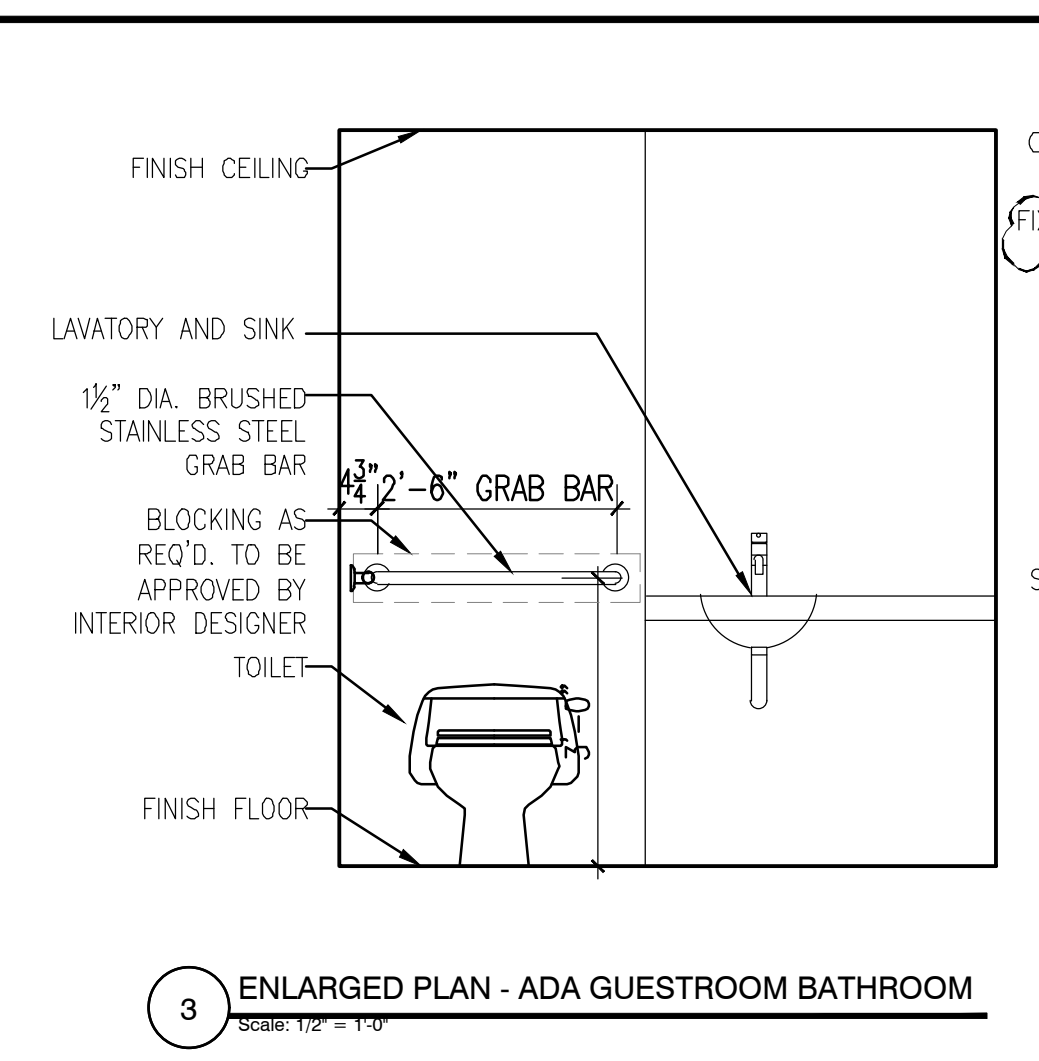
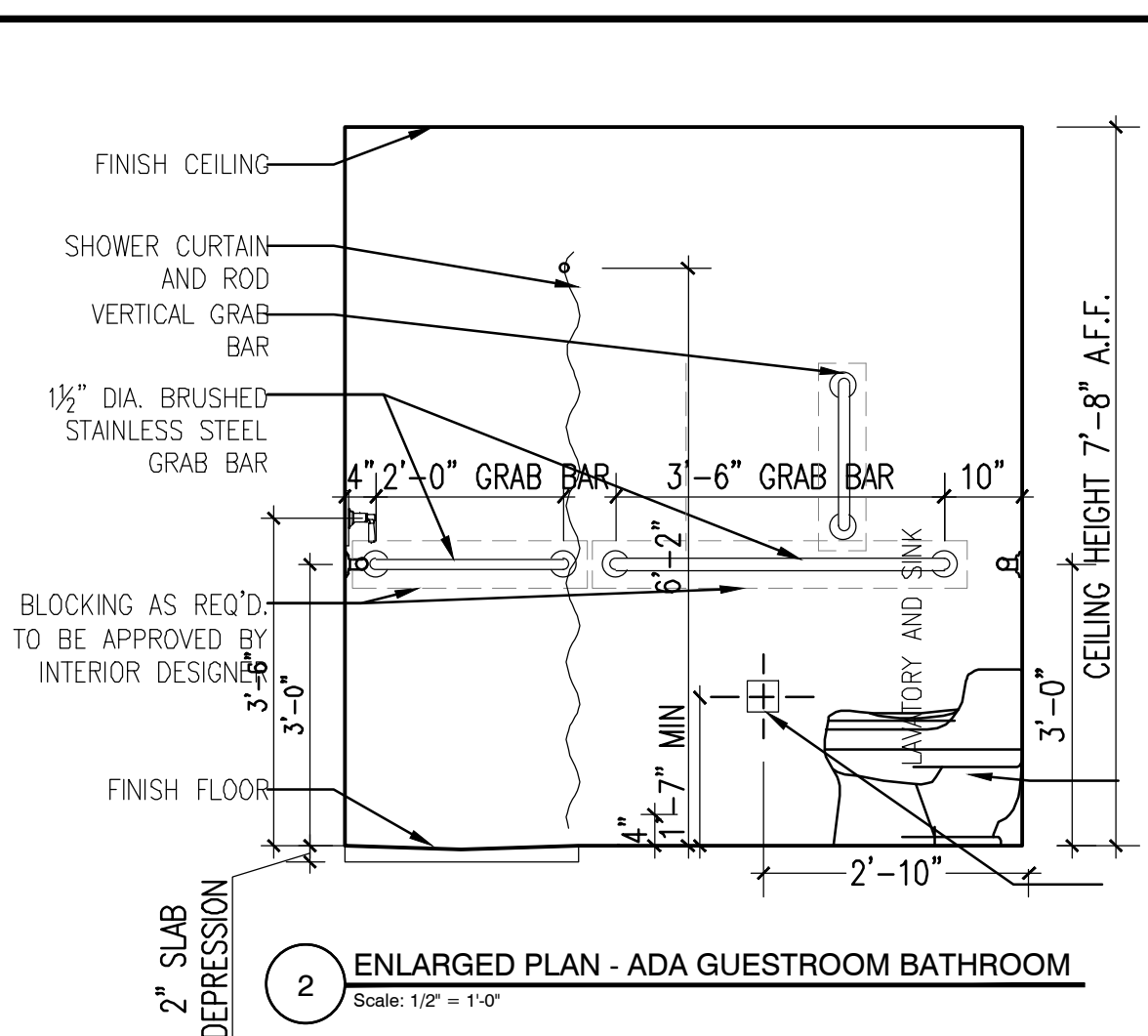
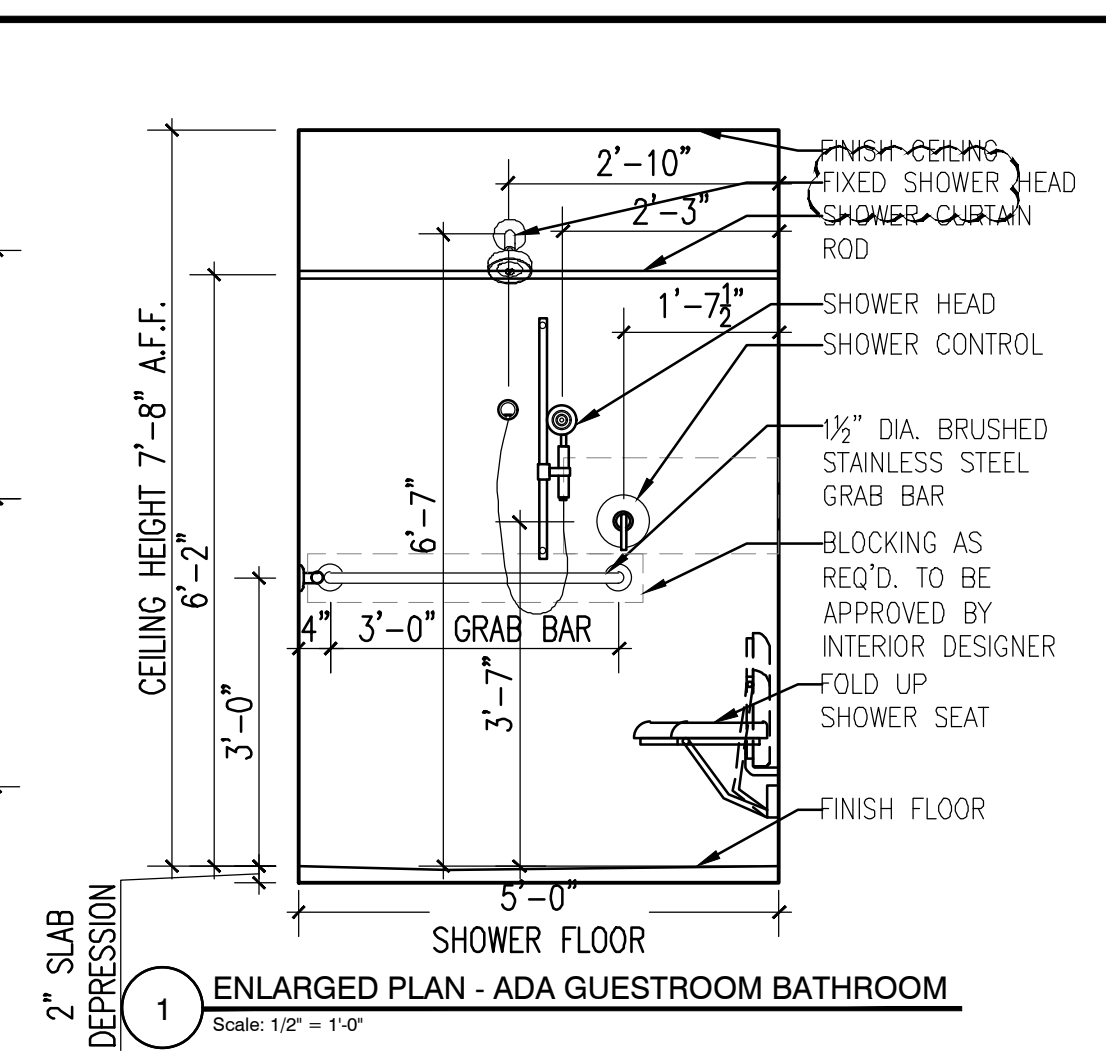
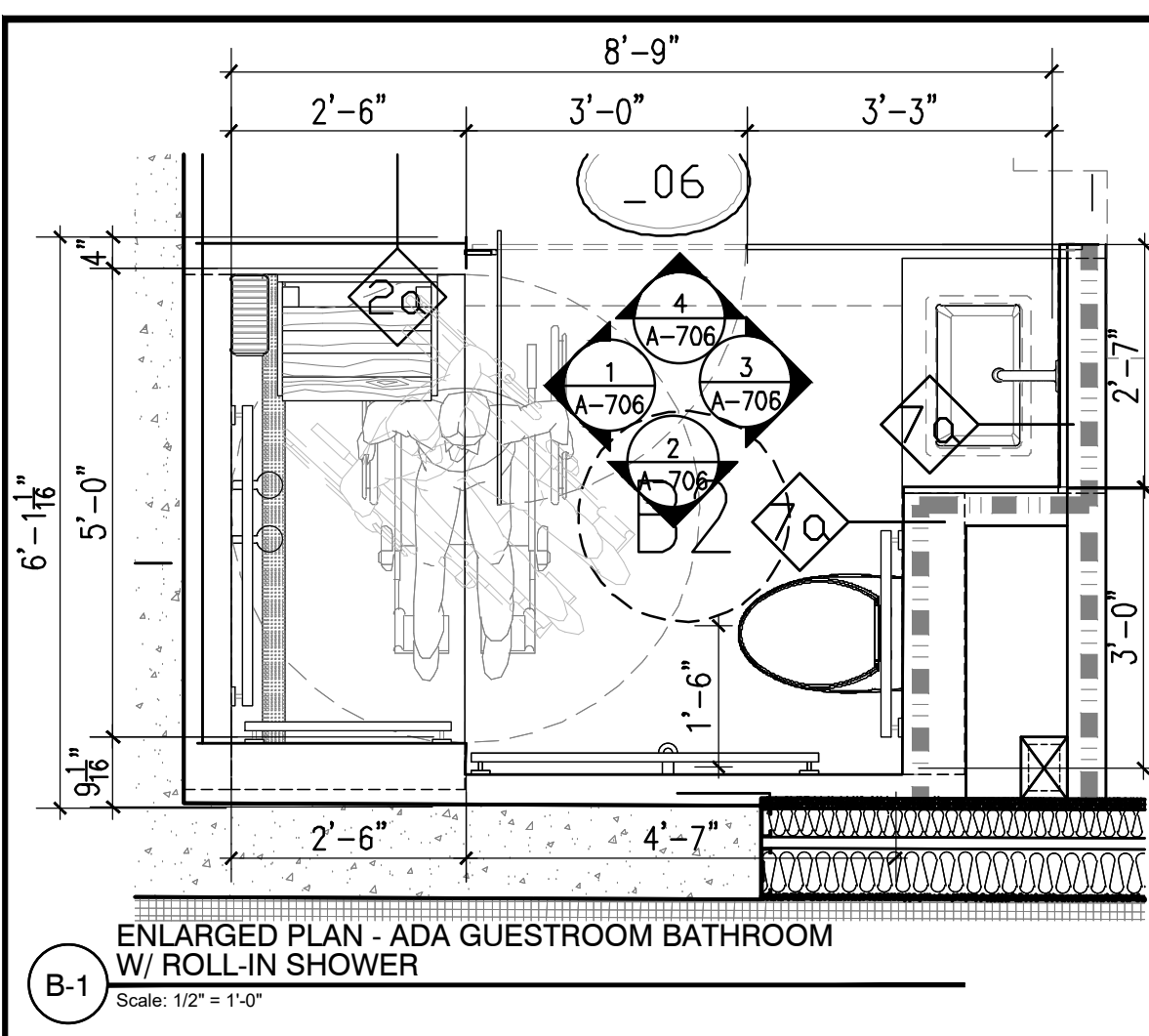
TRASH ROOM COMPLIES WITH:

- BC. 903.2.10
- BC. 707.13
- BC. 1207.3.1
- BC. 1213



1 TRASH COMPACTOR ROOM DETAIL @ CELLAR
1" = 1'-0"





NOTE:
SEAT AND CONTROLS TO BE LOCATED 27" MAXIMUM FROM REAR WALL WITHIN ROLL-IN SHOWER IN ACCESSIBLE GUEST ROOMS.

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01/17/2019	ADA REQUIREMENTS
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ISSUED DRAWINGS

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STRUCTURAL ENGINEER

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MEP ENGINEER

JOB NUMBER: NB#321193230

EXAMINER SEAL

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291 LIVINGSTON STREET
BROOKLYN, NY 11217

ENLARGED ADA BATHROOMS

SEAL & SIGNATURE: [Signature]

DATE: 5/11/2017
SCALE: AS NOTED
DRAWING NUMBER: A-706.01
PAGE #