GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODES.
2. CONTRACTOR TO CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE COMMENCING THE WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY UNUSUAL CONDITIONS.
3. CONTRACTOR IS TO FILE WORKMAN'S COMPENSATION AND TO SECURE ALL PERMITS BEFORE THE START OF WORK.
4. THE CONTRACTOR SHALL NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. IF THERE IS A DISCREPANCY ON OR LACK OF DIMENSION, THE ARCHITECT SHALL BE NOTIFIED AND THE INFORMATION WILL BE PROVIDED
5. THE ENGINEERY ARCHITECT HAS NOT BEEN RETAINED FOR FIELD SUPERVISION OR INSPECTION.
6. THE CONTRACTOR IS TO RETAIN A LICENSED PROFESSIONAL ENGINEER AS PART OF HIS CONTRACT, ON BEHALF OF THE OWNER TO PERFORM ALL REQUIRED CONTROLLED INSPECTION WORK AS MAY BE REQUIRED.
7. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE THE SAFETY AFFECTED BY THIS WORK.
8. FIVE DAYS PRIOR NOTICE SHALL BE GIVEN TO THE ADJOINING PROPERTY OWNERS AFFECTED BY THIS WORK.
9. THERE ARE NO STRUCTURAL CHANGES TO BE MADE UNDER THIS APPLICATION.
10. DRAPES, CURTAINS,DECORATIONS, SCENERY TO BE FLAME PROOF AS PER B.5.A. CAL. 21 SEC C19-161-1
11. ALL MATERIALS, ASSEMBLIES, FORMS, AND METHODS OF CONSTRUCTION ¢ SERVICE EQUIPMENT SHALL MEET THE FOLLOWING REQUIREMENTS:
    A) IT SHALL HAVE BEEN ACCEPTED PRIOR TO THE EFFECTIVE DATE OF CODE.
    B) IT SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE PRESCRIBED CODE TEST METHOD BY THE COMMISSIONER.
    C) IT SHALL HAVE BEEN APPROVED BY THE BOARD OF STANDARDS AND APPEAL.

DESIGN DETAILS ¢ NOTES IN COMPLIANCE WITH L.L.17 / 95 SEISMIC LOADS

12. BUILDING SEPARATIONS.
ALL STRUCTURES SHALL BE SEPARATED FROM ADJOINING STRUCTURES. SEPARATION DUE TO SEISMIC FORCES SHALL ALLOW FOR 1 INCH DISPLACEMENT FOR EACH 50 FEET OF TOTAL BUILDING HEIGHT. SMALLER SEPARATION MAY BE PERMITTED WHEN THE EFFECTS OF POUNDING CAN BE ACCOMMODATED WITHOUT COLLAPSE OF THE BUILDING.

13. EARTHQUAKE LOAD AS PER BC. 1615. - SITE CLASS DEFINITION AS PER TABLE 1615.1.1. IS "D"

14. SEISMIC USE GROUP AS PER BC. 1616.2. AND TABLE 1604.5 IS AS SEISMIC USE GROUP I.

15. SEISMIC DESIGN CATEGORY AS PER BC. 1618 AND TABLE 1613.3(1) AND (2) IS "D".

16. THE DYNAMIC ANALYSIS PROCEDURES LISTED ABOVE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 9.5.6, 9.5.7 AND 9.5.8, RESPECTIVELY, OF ASCE 7.

17. IF SOIL-STRUCTURE INTERACTION IS CONSIDERED IN THE DETERMINATION OF SEISMIC DESIGN FORCES AND CORRESPONDING DISPLACEMENTS IN THE STRUTURE, THE PROCEDURE GIVEN IN SECTION 9.5.9 OF ASCE 7 SHALL BE USED.

18. THE DESIGN AND DETAILING OF THE COMPONENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 9.5.2.6 OF ASCE 7 .

19. ARCHITECTURE, MECHANICAL AND ELECTRICAL COMPONENT SEISMIC DESIGN REQUIREMENTS AS PER BC 1621 SHALL MEET THE REQUIREMENTS OF SECTION 9.6 OF ASCE 7.

20. NON BUILDING STRUCTURES SEISMIC DESIGN SHALL COMPLY WITH BC 1622 AND SECTION 9.14 OF ASCE 7.

SECT. BC 1613.1 EARTHQUAKE LOADS

SCOPE. EVERY STRUCTURE, AND PORTION THEREOF, INCLUDING NONSTRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-10, EXCLUDING CHAPTER 14 AND APPENDIX 11A. THE SEISMIC DESIGN CATEGORY FOR A STRUCTURE SHALL BE DETERMINED IN ACCORDANCE WITH EITHER SECTION 1613 OR ASCE 7-10.

ENERGY CONSERVATION CODE NOTES

1. ALL ENVELOP SUBSYSTEMS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CONSTRUCTION CODE AS APPLICABLE TO MULTIPLE DWELLINGS.
2. FIREPLACE CONSTRUCTION SHALL COMPLY WITH SEC. E402-4 ECCC. MAX. 20 CFM AIR LEAKAGE AT DAMPER, OR TEMPERED GLASS ENCLOSURE.
   PROVISION OF 150 CFM OUTSIDE COMBUSTION AIR INTAKE. (DAMPENED).
3. THE FOLLOWING SUBSYSTEM 'U' FACTOR RATINGS SHALL APPLY:
   ROOF / CEILING: 0.05 MAX. SLAB EDGE (UNHEATED): 5.0 MIN. R
   EXTERIOR WALL: 0.08 MAX. GLAZING: 0.69 MAX.
   FLOOR: 0.08 MAX. ENTRANCE DOOR: 0.40 MAX.
   ASSEMBLIES PER CODE MANUAL FIGURE 5-1, 5-5, 5-6, 5-7.
4. DESIGN CONSIDERATIONS:
   LOCATION: NASSAU COUNTY, DEGREE DAYS: 5,000 KENNEY A.P.
   READINGS DESIGN: DRY BULB TEMPERATURE EXTERIOR WINTER: 15 F
   SUMMER: 87 1/89 F. DESIGN TEMPERATURE INTERIOR HEATING: 72 F
   MAX. COOLING: 78 F MIN. GLAZED AREA AS A PERCENTAGE OF EXTERIOR WALL AREA, CONDITIONED SPACE. WALL AREA: SQ. FT. GLASS AREA: SQ. FT. PERCENTAGE:

   CODE COMPLIANCE UNDER PART V ACCEPTABLE PRACTICE AS PER ENERGY OFFICE ADV. BULLETIN OF 05/29/79.
5. ELECTRIC UTILIZATION EQUIPMENT RATED GREATER THAN 100W AND LIGHTING EQUIPMENT GREATER THAN 15W, SHALL HAVE A MIN. POWER FACTOR OF 85
6. VOLTAGE DROP FROM UTILITY SERVICE TERMINATION TO FINAL DISTRIBUTION PANEL, 3% MAX.
7. HEATING ¢ COOLING EQUIPMENT SHALL BE RATED, AND SHALL MEET EFFICIENCIES LISTED IN E403.13 ECCC.
8. HEATING ¢ COOLING SHALL BE CONTROLLED BY ADJUSTABLE THERMOSTATS.
   A) ADJUSTABLE FROM 45° F TO 85° F.
   B) CONTROL SETBACK ¢ SHUT-OFF.
9. HEATING SHALL BE OIL OR GAS FIRED FORCED HOT WATER FIN TUB BASEBOARD RADIATION.
10. MIN. HOT WATER CAPACITY = (GAL /PERSON /24HRS x 5PERSONS) / 7 HOUR MAX. DEMAND = GAL.
11. DOMESTIC HOT WATER HEATER SHALL MEET STANDARDS OF E404.3 (TABLE 4.11 Q) AND HAVE AUTOMATIC TEMPERATURE CONTROL CAPABLE OF ADJUSTMENT, WITH THE MAX. POSSIBLE SETTING OF 140° F.
12. ALL HOT WATER LINES TO BE INSULATED.
13. ALL DUCTWORK TO BE INSULATED AS PER E403.10 ECCC.
14. THESE DRAWINGS AND SPECIFICATION NOTES HAVE BEEN PREPARED BY, OR UNDER THE DIRECTION OF THE UNDERSIGNED, AND TO THE BEST OF THE UNDERSIGNED'S KNOWLEDGE, INFORMATION AND BELIEF, MEET THE REQUIREMENTS OF THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE. (ECCC.).

HOUSING MAINTENANCE NOTES

1. BUILDING SHALL COMPLY WITH SEC. D26-16.03 H.M.C. : DRAINAGE OF ROOFS AND COURTYARDS
2. BUILDING SHALL COMPLY WITH SEC. D26-17.01 H.M.C. : CENTRAL HEATING
3. BUILDING SHALL COMPLY WITH SEC. D26-17.07 H.M.C. : SUPPLY HOT WATER
4. BUILDING SHALL COMPLY WITH SEC. D26-17.09 H.M.C. : GAS FIRE OR ELECTRIC HEATER WHERE PERMITTED.
5. BUILDING SHALL COMPLY WITH SEC. D26-19.07 H.M.C. : LIGHTS IN ENTRANCE WAYS AND AT YARDS AND COURTS.
6. BUILDING SHALL COMPLY WITH SEC. D26-19.05 H.M.C. : LIGHTING PUBLIC HALLS AND STAIRS
7. BUILDING SHALL COMPLY WITH SEC. D26-20.01 H.M.C. : PEEPHOLES IN ENTRANCE DOORS TO APARTMENTS.
8. BUILDING SHALL COMPLY WITH SEC. D26-20.03 H.M.C. : MIRRORS IN SELF SERVICE ELEVATORS
9. BUILDING SHALL COMPLY WITH SEC. D26-21.01 H.M.C. : MAIL SERVICE
10. BUILDING SHALL COMPLY WITH SEC. D26-21.03 H.M.C. : FLOOR SIGNS TO INDICATE FLOORS
11. BUILDING SHALL COMPLY WITH SEC. D26-21.05 H.M.C. : STREET NUMBERS ON THE DWELLING
12. BUILDING SHALL COMPLY WITH SEC. D26-22.03 H.M.C. : JANITORIAL SERVICES.
13. BUILDING SHALL COMPLY WITH SEC. D26-30.07 H.M.C. : LIGHTING AND VENTILATION OF LIVING ROOMS.
14. BUILDING SHALL COMPLY WITH SEC. D26-41.17 H.M.C. : REGISTRATION, TIME TO FILE
15. BUILDING SHALL COMPLY WITH SEC. D26-41.17 H.M.C. : IDENTIFICATION OF MANAGING AGENT OR OWNER.
16. BUILDING SHALL COMPLY WITH SEC. D26-41.5 H.M.C. : POSTING OF SERIAL NUMBER
17. BUILDING SHALL COMPLY WITH SEC. D26-14.03 H.M.C. : RECEPTACLES FOR GARBAGE
18. BUILDING SHALL COMPLY WITH SEC. D26-14.05 H.M.C. : COLLECTION OF GARBAGE

SMOKE DETECTOR & CARBON MONOXIDE DETECTOR NOTES

1. EACH DWELLING UNIT SHALL BE EQUIPPED WITH AN APPROVED TYPE SMOKE DETECTOR DEVICE, RECEIVING PRIMARY POWER FROM THE BUILDING WIRING WITH NO SWITCHES IN THE CIRCUIT OTHER THAN THE OTHER CIRCUIT DEVICE PROTECTING THE BRANCH CIRCUIT AS PER C26-1705.3.
2. SUCH SMOKE DETECTORS SHALL BE EITHER THE IONOZATION-CHAMBER TYPE OR THE PHOTO-ELECTRIC TYPE AS PER C26-1705.3.
3. A CERTIFICATE OF SATISFACTORY INSTALLATION FOR SMOKE DETECTORS MUST BE FILED WITH THE DIVISION OF CODE ENFORCEMENT 10 DAYS AFTER INSTALLATION.
4. HARDWIRED CARBON MONOXIDE DETECTORS SHALL COMPLY WITH RS17-13 AND INSTALLED IN ACCORDANCE WITH RS17-14. IT SHALL BE PROVIDED IN EVERY DWELLING UNIT WITHIN FIFTEEN FEET OF THE PRIMARY ENTRANCE OF EACH BEDROOM. HARDWIRED CARBON MONOXIDE DETECTORS SHALL BE PROVIDED OUTSIDE BOILER ROOM.

MULTIPLE DWELLING LAW OF NEW YORK STATE

MULTIPLE DWELLINGS SHALL COMPLY WITH CHAPTER 713 OF THE THE LAW OF 1929
AN ACT IN RELATION TO MULTIPLE DWELLINGS, CONSTITUING CHAPTER SIXTY-ONE-A OF CONSOLIDATED LAWS BECAME A LAW APRIL 18, 1929, WITH THE APPROVAL OF THE GOVERNOR. PASSED THREE-FIFTHS BEING PRESENT. THE PEOPLE OF THE STATE OF NEW YORK, REPRESENTED IN SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

CHAPTER SIXTY-ONE-A OF THE CONSOLIDATED LAWS
ARTICLE
1. INTRODUCTORY PROVISIONS; DEFINITIONS (SECTIONS 1-4)
2. MISCELLANEOUS APPLICATION PROVISIONS (SECTIONS 8-14)
3. MULTIPLE DWELLINGS, GENERAL PROVISIONS (SECTIONS 25-84)
4. FIREPROOF MULTIPLE DWELLINGS (SECTIONS 100-117)

ARTICLE 1 INTRODUCTORY PROVISIONS; DEFINITIONS

SECTION 1. SHORT TITLE.
SECTION 2. LEGISLATIVE FINDING.
SECTION 3. APPLICATION TO CITIES, TOWNS AND VILLAGES.
SECTION 4. DEFINITIONS

ARTICLE 2 MISCELLANEOUS APPLICATION PROVISIONS

SECTION 8. GENERAL APPLICATION OF CHAPTER TO DWELLINGS.
SECTION 9. BUILDING CONVERTED OR ALTERED.
SECTION 10. TIME FOR COMPLIANCE.
SECTION 11. DWELLING DAMAGED OR MOVED.
SECTION 12. PROHIBITED USED.
SECTION 13. APPLICATION OF CHAPTER TO EXISTING DWELLINGS.
SECTION 14. APPLICATION OF CHAPTER TO UNCOMPLETED DWELLINGS.

ARTICLE 3 MULTIPLE DWELLINGS ------ GENERAL PROVISIONS

SECTION 25. APPLICATION OF ARTICLE 3

TITLE 1 LIGHT AND AIR

SECTION 26. HEIGHT, BULK AND OPEN SPACE.
SECTION 28. TWO OR MORE BUILDING ON THE SAME LOT.
SECTION 29. PAINTING OF COURTS AND SHAFTS.
SECTION 30. LIGHTING AND VETILAYION OF ROOMS.
SECTION 31. SIZE OF ROOMS.
SECTION 32. ALCOVES.
SECTION 33. COOKING SPACE.
SECTION 34. ROOMS IN BASEMENTS OR CELLARS.
SECTION 35. ENTRANCE DOORS AND LIGHTS.
SECTION 36. WINDOWS AND SKYLIGHTS FOR PUBLIC HALLS AND STAIRS.
SECTION 37. ARTIFICIAL HALL LIGHTING

TITLE 2 FIRE PROTECTION AND SAFETY

SECTION 50. ENTRANCE HALLS.
SECTION 50-B. ENTRANCES- DOOR, LOCKS, INTERCOMMUNICATION SYSTEMS.
SECTION 50-C. RIGHT OF TENANTS TO OPERATE AND MAINTAIN A LOBBY ATTENDANT SERVICE
SECTION 51. SHAFTS, ELEVATORS AND DUMBWAITERS.
SECTION 51-A. PEEPHOLES.
SECTION 51-B. MIRRORS IN CONNECTION WITH SELF- SERVICE ELEVATORS.
SECTION 51-C. RIGHTS OF TENANTS TO INSTALL AND MAINTAIN LOCKS IN CERTAIN ENTRANCE DOORS.
SECTION 52. STAIRS.
SECTION 53. FIRE-ESCAPES.
SECTION 54. CELLAR ENTRANCE.
SECTION 55. WAINSCOTING.
SECTION 56. FRAME BUILDINGS AND EXTENSIONS.
SECTION 57. BELLS; MAIL RECEPTACLES.
SECTION 58. INCOMBUSTIBLE MATERIALS.
SECTION 59. BAKERIES AND FAT BOILING.
SECTION 60. MOTOR VEHICLES STORAGE
SECTION 61. BUSINESS USE.
SECTION 62. PARAPETS, GUARD RAILINGS AND WIRES.
SECTION 63. SUB-CURB USE.
SECTION 64. LIGHTING; GAS METERS; GAS AND OIL APPLIANCES.
SECTION 65. BOILER ROOMS.
SECTION 66. LODGING HOUSES
SECTION 67. HOTEL AND CERTAIN OTHER CLASS A AND CLASS B DWELLINGS.
SECTION 68. SMOKE DETECTING DEVICES.

TITLE 3 SANITATION AND HEALTH

SECTION 75. WATER SUPPLY.
SECTION 76. WATER-CLOSET AND BATH ACCOMMODATIONS.
SECTION 77. PLUMBING AND DRAINGES.
SECTION 78. REPAIRS.
SECTION 79. HEATING.
SECTION 80. CLEANLINESS.
SECTION 81. RECEPTACLE FOR WASTE MATTER.
SECTION 82. PRIVACY.
SECTION 83. JANITOR OR HOUSEKEEPER.
SECTION 84. CONSTRUCTION STANDARD FOR THE CONTROL OF NOISE.

ARTICLE 4 FIREPROOF MULTIPLE DWELLINGS

TITLE 1 FIRE PROTECTION

SECTION 101. REQUIREMENTS FOR FIREPROOF CONSTRUCTION.
SECTION 102. STAIRS.
SECTION 103. EGRESS FROM APARTMENTS.
SECTION 104. BULKHEADS.
SECTION 105. SEPERATION AND VENTILATION OF STAIRS.
SECTION 106. CELLAR AND BASEMENT STAIRS.
SECTION 107. PUBLIC HALLS.
SECTION 108. PARTITIONS

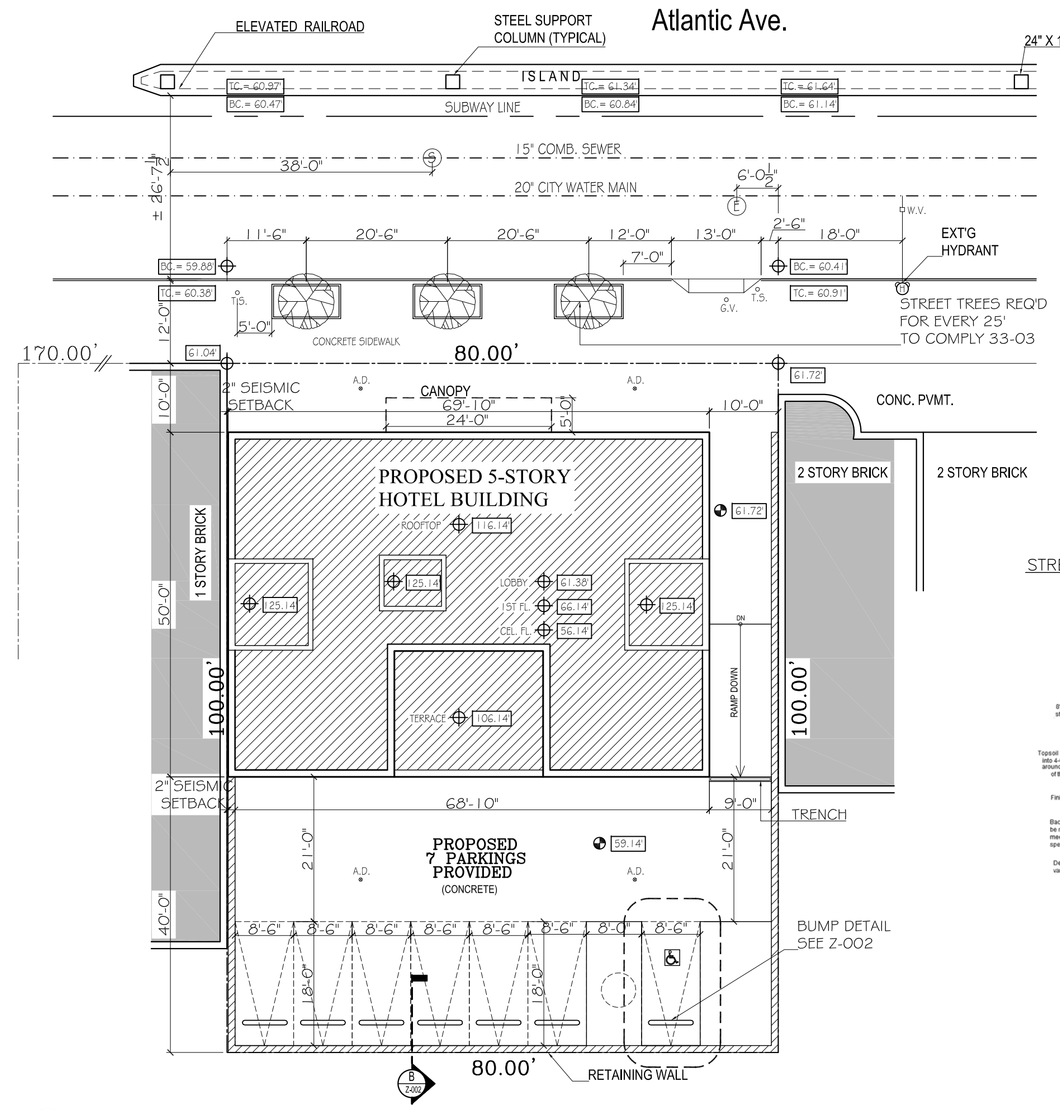
TITLE 2 SANITATION

SECTION 115. INTERIO WATER-CLOSETS AND BATHROOMS.
SECTION 116. WATER-CLOSETS IN CERTAIN CLASS B MULTIPLE DWELLINGS.
SECTION 117. EMPLOYEES' WATER-CLOSETS.

REQUIRED CONTROL INSPECTION

STRUCTURAL STEEL - WELDING		BC 1704.3.1
STRUCTURAL STEEL - ERECTION ¢ BOLTING		BC 1704.3.2, BC 1704.3.3
CONCRETE - CAST-IN-PLACE		BC 1704.4
MASONRY		BC 1704.5
SOILS- SITE PREPARATION		BC 1704.7.1
SOILS- INVESTIGATIONS (BORINGS/TEST PITS)	TR4	BC 1704.7.4
SPRAYED FIRE-RESISTANT MATERIALS		BC 1704.11
SMOKE CONTROL SYSTEMS		BC 1704.14
MECHANICAL SYSTEMS		BC 1704.15
EXCAVATION - SHEETING, SHORING, AND BRACING		BC 1704.19, BC 3304.4.1
SITE STORM DRAINAGE DISPOSAL AND DETENTION SYSTEM INSTALLATION		BC 1704.20
SPRINKLER SYSTEMS		BC 1704.21
CHIMNEYS		BC 1704.24
FIRE STOPS, DRAFTSTOP, AND FIREBLOCK SYSTEMS		BC 1704.25
CONCRETE TEST CYLINDERS	TR2	BC 1905.6
FOOTING AND FOUNDATION		BC 109.3.1
ENERGY CODE COMPLIANCE INSPECTIONS	TR8	BC 109.3.5
FIRE-RESISTANCE RATED CONSTRUCTION		BC 109.3.4
INSULATION PLACEMENT AND R VALUES		(IA2), (IIA2)
FENESTRATION THERMAL VALUES AND RATINGS		(IA3), (IIA3)
FENESTRATION AREAS		(IA5), (IIA5)
HVAC AND SERVICE WATER HEATING EQUIPMENT		(IB3), (IIB3)
DUCT PLENUM AND PIPING INSULATION AND SEALING		(IB5), (IIB5)
INTERIOR LIGHTING POWER		(IIC3)
EXIT SIGNS		(IIC6)

PLOT PLAN



PLOT PLAN

NOT TO SCALE

AVERAGE MEAN CURB LEVEL : (60.38' + 60.91') / 2 = 60.65'

NOTE: THIS BUILDING IS COMPLIANCE B.C 1613 EARTHQUAKE REQUIREMENT

DOB APPLICATION

1. BPP FILED UNDER THIS APPLICATION NB# 321049815.
2. STRUCTURAL, MH, PL, SP FILED UNDER THIS APPLICATION # 321049815.
3. FIRE ALARM WILL BE FILED UNDER SEPARATE APPLICATION.
4. FIRE PROTECTION PLAN WILL BE FILED UNDER SEPARATE APPLICATION.
5. SD 1 ¢ 2 FILED UNDER APPLICATION # SCK-878/15
6. GENERATOR FILED UNDER SEPARATE APPLICATION.
7. CURBCUT FILED UNDER THIS APPLICATION # 321049815.
8. ELEVATOR FILED UNDER SEPARATE APPLICATION.

LEGEND

	NEW PARTITION W/ 1 LAYER 5/8" GYP. BD. TYPE 'X' ON BOTH SIDE OF 2X4 METAL STUDS 16" O.C. 1HR FIRE RATED BSA CODE = WP1035(i)"
	NEW PARTITION W/ 2 LAYER 5/8" GYP. BD. TYPE 'X' ON BOTH SIDE OF 2X4 METAL STUDS 16" O.C. 2HR FIRE RATED BSA CODE = WP1548
	MECHANICAL SHAFT WALL. 2 HR FIRE RATED BSA CODE = WP 7055 (i-a-j)" EQUIVALENT TO 2HR FIRE RATED MASONRY WALL
	NEW PARTITION W/ 2 LAYER 5/8" GYP. BD. TYPE 'X' ON BOTH SIDE OF 2X6 METAL STUDS 16" O.C. 2HR FIRE RATED (PLUMBING CHASE WALL) 2 HR FIRE RATED BSA CODE = WP 5110. EQUIVALENT TO 2HR FIRE RATED MASONRY WALL
	8" CMU WALL. 2 HOUR FIRE RATED. (540-62-SM)
	REINFORCED CONCRETE WALL. 3HR FIRE RATED.
	BRICK ON CMU WALL. 3 HOUR FIRE RATED.
	NEW STAIRS ENCLOSURE WALL. 2 LAYERS OF 5/8" GYP. BD TYPE 'X' W/26 GA METAL PLATE 18" TO 4'-0" AFF. ON BOTH SIDES OF 2X4 METAL STUDS @ 16" O.C. EQUIVALENT TO 2HR FIRE RATED MASONRY WALL
	GRANITE PANEL ATTACHED ON OUTSIDE OF CMU WALL
	3 LAYERS OF 1/2" TYPE X GYPSUM BOARD. 1 5/8" METAL STUDS 24" O.C. 3 HOURS FIRE RATED BSA CODE = WP 2800(1)
	EXTERIOR WALL. 2 LAYERS OF 5/8" GYP. BD TYPE 'X' W/26 GA METAL PLATE 18" TO 4'-0" AFF. ON BOTH SIDES OF 2X4 METAL STUDS @ 16" O.C. WITH GLASS PANEL ATTACHED ON OUTSIDE
	EXTERIOR WALL. 2 LAYERS OF 5/8" GYP. BD TYPE 'X' W/26 GA METAL PLATE 18" TO 4'-0" AFF. ON BOTH SIDES OF 2X4 METAL STUDS @ 16" O.C. WITH BRICK ATTACHED ON OUTSIDE
SD	SMOKE DETECTOR WITH HARDWIRED CARBON MONOXIDE DETECTOR. COMPLY WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH RS 17-14.
	EXIT LIGHT W/ SIGN. COMPLY W/ B.C. SECT. 27-232.

DRAWING LIST

Z-001.00	NOTES, PLOT PLAN	EN-001.00	ENERGY ANALYSIS (ENVELOPE ANALYSIS)
Z-002.00	ZONING ANALYSIS, NOTES	EN-002.00	ENERGY ANALYSIS (EXTERIOR WALL DIAGRAM)
Z-003.00	ZONING FLOOR AREA DIAGRAM	EN-003.00	ENERGY ANALYSIS (CHECK LIST)
Z-004.00	TRAVEL DISTANCE DIAGRAM	EN-004.00	ENERGY ANALYSIS (LIGHTING ANALYSIS)
A-101.00	CELLAR FLOOR PLAN	RCP-101.00	LIGHTING NOTES
A-102.00	1st FLOOR PLAN	RCP-102.00	CELLAR FLOOR LIGHTING PLAN
A-103.00	2nd, 3rd, 4th FLOOR PLAN	RCP-103.00	1ST FLOOR LIGHTING PLAN
A-104.00	5th FLOOR PLAN	RCP-104.00	2ND - 4TH FLOOR LIGHTING PLAN
A-105.00	ROOF PLAN	RCP-105.00	5TH FLOOR LIGHTING PLAN
A-201.00	SECTION A-A	RCP-106.00	ROOF FLOOR LIGHTING PLAN
A-301.00	NORTH ELEVATION		
A-302.00	SOUTH ELEVATION		
A-303.00	EAST ELEVATION		
A-304.00	WEST ELEVATION		
A-401.00	DOOR DETAILS		
A-402.00	DOOR ¢ FINISHES SCHEDULES		
A-403.00	WINDOW SCHEDULE		
A-404.00	WALL DETAILS		
A-405.00	ADA NOTES ¢ DETAILS		

PREMISES:	1464 ATLANTIC AVE. BROOKLYN, NY
BLOCK:	1203
LOT:	10
ZONE:	C8-2
LOT SIZE:	80' X 100' = 8'000 SF
MAP:	17A

SECT. 33-03

1 STREET TREE IS REQ'D ON SIDEWALK FOR EVERY 25'.
PROPOSED STREET FRONTAGE = 80'
80'/25'= 3 TREE REQ'D.
PROPOSED 3 ON-SITE TREE PLANTING,

EXACT LOCATION TO BE DETERMINED BY DEPARTMENT OF PARKS & RECREATION"

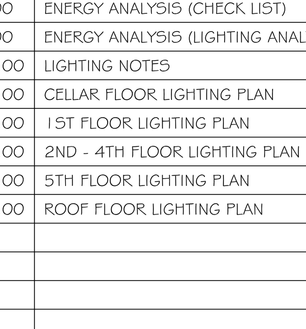
B.C. 3309.11

PARK DEPARTMENT NOTES:

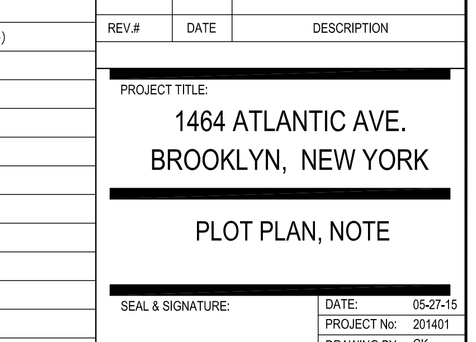
1. WRITTEN NOTIFICATION WILL BE MADE TO THE DEPARTMENT OF PARKS & RECREATION PRIOR TO COMMENCEMENT OF SUCH WORK.

2. NO DELETORIOUS, CAUSTIC OR ACID MATERIALS SHALL DUMPED OR MIXED WITHIN 10' OF SUCH TREE.

STREET TREE PROTECTION DETAIL AS PER DEPARTMENT OF PARK & RECREATION STANDARD:



1/13 TEMPORARY WOODEN TREE GUARD



DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

PLOT PLAN, NOTE

SEAL & SIGNATURE:

DATE:	05-27-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	Z-001.00
PAGE No:	1 of 29

MKA
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CONSTRUCTION ELEMENTS

FIRE–RESISTANCE RATING REQUIREMENT FOR BUILDING ELEMENT (HOURS)
CLASS I–B AS PER TABLE 601

	TYPE I
BUILDING ELEMENT	B
STRUCTURAL FRAME Including columns, girders, trusses	2
BEARING WALLS exterior interior	2 2
NONBEARING WALLS AND PARTITIONS exterior	SEE TABLE 602
NONBEARING WALLS AND PARTITIONS interior	0
FLOOR CONSTRUCTION Including supporting beams and joists	2
ROOF CONSTRUCTION Including supporting beams and joists	1

TABLE 704.8
MAXIMUM AREA OF EXTERIOR WALL OPENINGS

CLASSIFICATION OF OPENING	FIRE SEPARATION DISTANCE (feet)
	Greater than 30
UNPROTECTED	NO LIMIT

TABLE 706.3.7
FIRE–RESISTANCE RATING REQUIREMENTS FOR FIRE BARRIER ASSEMBLIES BETWEEN FIRE AREAS

OCCUPANCY GROUP	FIRE–RESISTANCE RATING (hours)
R	2

TABLE 705.4
FIRE WALL FIRE–RESISTANCE RATINGS

GROUP	FIRE–RESISTANCE RATING (hours)
R-1	3

TABLE 715.3
FIRE DOOR AND FIRE SHUTTER
FIRE PROTECTION RATINGS

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (hours)	MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING (hours)
Fire walls and fire barriers having a required fire–resistance rating greater than 2 hour	2	1 1/2
Exterior walls	3	1 1/2

FIRE–RESISTANCE RATING REQUIREMENT FOR EXTERIOR WALLS BASED ON
FIRE SEPARATION DISTANCE PER TABLE 602

FIRE SEPARATION DISTANCE (feet)	TYPE OF CONTRUCTION	OCCUPANCY GROUP R
< 5	ALL	1
> 5 to < 10	IA Others	1 1
> 10 to < 30	IA, IB IIB, VB Others	1 0 1
> 30	ALL	0

ALLOWABLE HEIGHT AND BUILDING AREAS
HEIGHT LIMITATIONS SHOWN AS STORIES AND FEET ABOVE GRADE PLANE.
AREA LIMITATIONS AS DETERMINED BY THE DEFINITION OF "AREA, BUILDING," PER FLOOR.
PER TABLE 503

		TYPE OF CONTRUCTION
		TYPE I
		B
GROUP	Hgt (feet) Hgt (S)	65
R–1	S	6 UL (Unlimited)

ZONING ANALYSIS

PREMISES: 1464 ATLANTIC AVE. BROOKLYN, NY
BLOCK: 1203
LOT: 10
ZONE: C8-2
LOT SIZE: 80' X 100' = 8'000 SF
MAP: 17A
SECT. 33-122 MAX. FAR FOR C8-2 COMMERCIAL BUILDING = 2,0
MAX. PERMITTED FLOOR AREA = 16,000 SF

ZONING AREA CALCULATION:				
	UNIT	GROSS AREA	DEDUCTION	NET AREA
CEL. FL	6	3,491.67 SF		
1ST FL	10	3,491.67 SF	128.86 SF	3,362.81 SF
2ND FL	12	3,491.67 SF	105.22 SF	3,386.45 SF
3RD FL	12	3,491.67 SF	105.22 SF	3,386.45 SF
4TH FL	12	3,491.67 SF	105.22 SF	3,386.45 SF
5TH FL	7	3,097.77 SF	632.33 SF	2,465.44 SF
TOTAL	59	20,556.12 SF		15,987.60 SF

APPROXIMATELY TOTAL FLOOR AREA = 15,987.60 SF < 16,000 SF O.K.

SECT. 33-25 NO SIDE YARDS ARE REQUIRED.
BUILDING HEIGHT = 55' - 6"

SECT. 33-26 MIN. REQ'D REAR YARD = 20' - 0"
PROPOSED REAR YARD = 40' - 0" > 20' - 0" O.K.

SECT. 33-442 INITINAL SETBACK FOR WIDE STREET = 10' - 0" (60')
PROPOSED FRONT SET BACK = 10' - 0" O.K.

PROPOSED 5 STORYS BUILDING HIEGHT = 55' - 6"
VERTICAL = 7.6 HORIZONTAL = 1

SECT. 36-21 EVERY 12 GUESTROOM REQ'D 1 PARKING SPACE IN C8 - 2
59 / 12 = 5 SPACE REQ'D.

SECT. 36-231 PARKING LESS THAN 25 CAN BE WAIVED. IN C8 - 2.
REQ'D 5 PARKING SPACES < 25 CAN BE WAIVED.
NO PARKING SPACES REQ'D.
PROPOSED 7 PARKING SPACES PROVIDED.

SECT. 36-22 NO LOADING BERTH IS REQ'D FOR FIRST 25,000 SF
PROPOSED AREA = 15,987.60 SF < 25,000 SF,
NO LOADING BERTH IS REQ'D.

SECT. 44-60 1 BICYCLE PARKING IS REQ'D FOR 10,000 SF OF FLR.
AREA FOR COMMERCIAL BLDG.

SECT. 36-70 PROPOSED NET AREA = 15,987.60 SF /10,000 SF
= 2 SPACES REQ'D
PROPOSED 2 BICYCLE PARKING SPACE PROVIDED ON CELLAR FLOOR.

SECT. 43-02 1 STREET TREE IS REQ'D ON SIDEWALK FOR EVERY 25'.
33-02 PROPOSED STREET FRONTAGE = 80'
80' / 25' = 3 STREET TREES REQ'D
PROPOSED 3 ON-SITE TREE PLANTING.

(REFER TO PLOT PLAN ON DWG # Z-001)

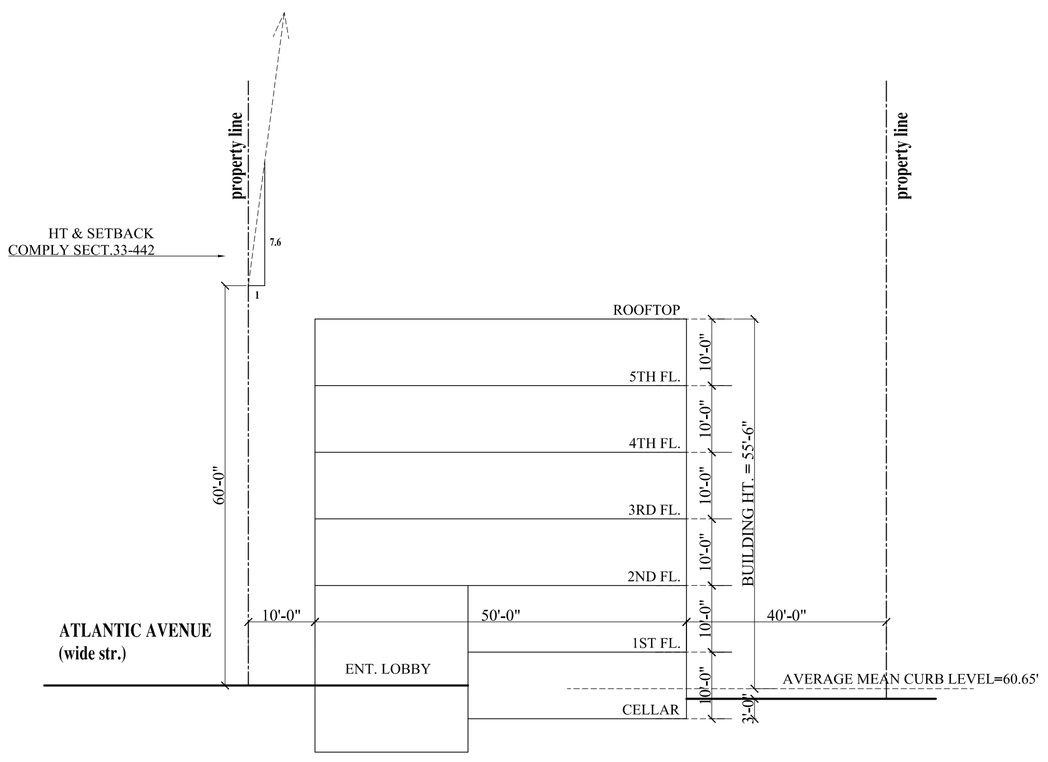
ROOM TYPE

	KING	D/D	ADA	TOTAL
CEL. FL.	6	1	0	6
1ST FL.	9	1	0	10
2ND FL.	10	1	1	12
3RD FL.	10	1	1	12
4TH FL.	10	1	1	12
5TH FL.	4	2	1	7
	49	6	4	59
	83%	10%	7%	100%

ANSI-A 117.1 TABLE 1107.6.1.1
ROOM 50 TO 75, 4 ADA ROOM REQ'D.
PROPOSED ROOM = 57, 4 ADA ROOMS REQ'D
(4 ADA ROOM PROVIDED ON 2ND, 3RD, 4TH, 5TH FLOOR)

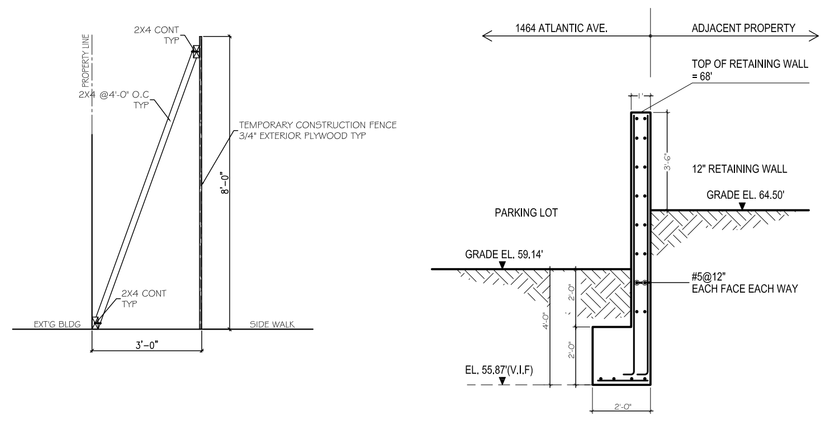
TABLE 224.4 GUESTROOMS WITH COMMUNICATION FEATURE
ROOM 51 TO 75, 7 HEARING IMPAIRED ROOM REQ'D
PROPOSED HEARING IMPAIRED ROOM = 7.
(1 ON CELLAR, 2 ON 3RD, 4TH FLOOR, 2 ON 5TH FLOOR.)

SKY EXPOSURE PLANE



SKY EXPOSURE PLANE DIAGRAM

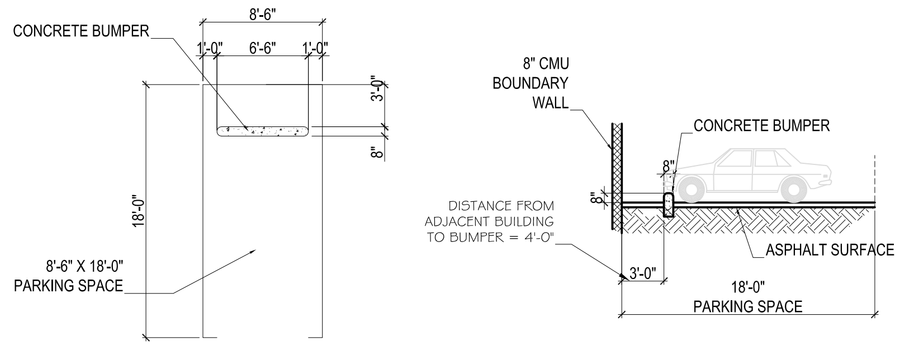
DETAILS



A Z-002 **FENCE DETAIL** NOT TO SCALE

B Z-002 **RETAINING WALL DETAIL** NOT TO SCALE

BUMPER DETAILS



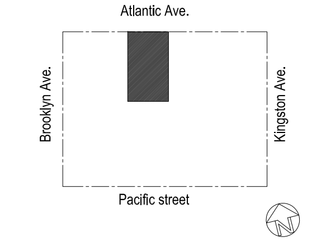
PLAN SECTION

STANDARD CONCRETE BUMPER DETAILS
NOT TO SCALE

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KEY PLAN:



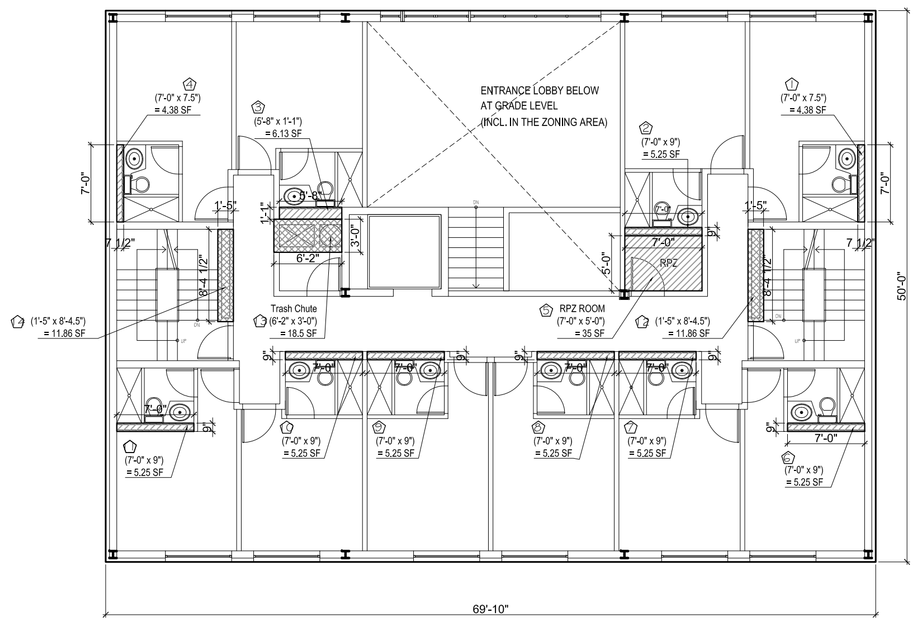
REV.#	DATE	DESCRIPTION

PROJECT TITLE:
1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

ZONING ANALYSIS, NOTE

SEAL & SIGNATURE:

DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	Z-002.00
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1st FLOOR

GROSS FLOOR AREA

= 69'-10" x 50'-0" = 3,491.67 SF

PLUMBING CHASE

①+②+③+④+⑤+⑥+⑦+⑧+⑨+⑩+⑪

= 4.38 + 5.25 + 6.13 + 4.38 + 35 + 5.25 + 5.25 + 5.25 + 5.25 + 5.25 + 5.25
= 86.64 SF

MECH. RM./ VENT

⑫+⑬+⑭

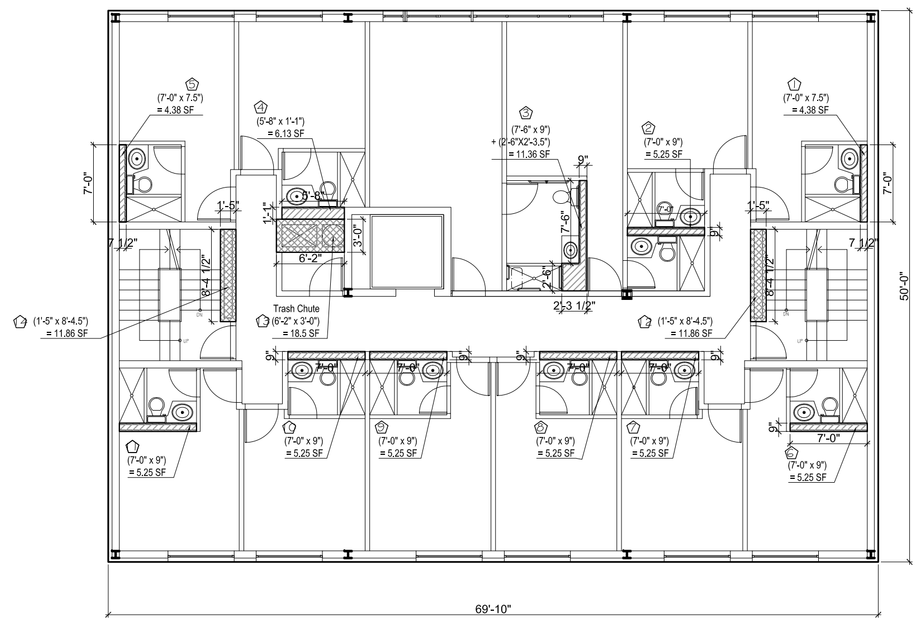
= 11.86 + 18.5 + 11.86
= 42.22 SF

TOTAL DEDUCTABLE AREA

86.64 + 42.22 = 128.86 SF

ZONING FLOOR AREA

= 3491.67 - 128.86 = 3,362.81 SF



2nd / 3rd / 4th FLOOR

GROSS FLOOR AREA

= 69'-10" x 50'-0" = 3,491.67 SF

PLUMBING CHASE

①+②+③+④+⑤+⑥+⑦+⑧+⑨+⑩+⑪

= 4.38 + 5.25 + 11.36 + 6.13 + 4.38 + 5.25 + 5.25 + 5.25 + 5.25 + 5.25 = 63 SF

MECH. RM./ VENT

⑫+⑬+⑭

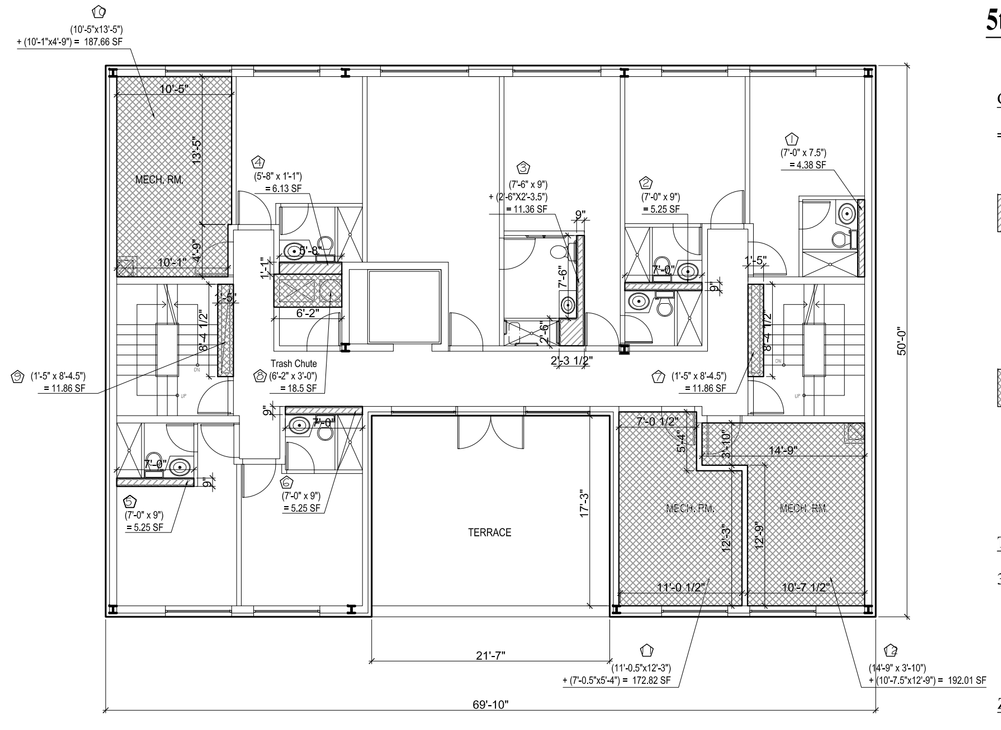
= 11.86 + 18.5 + 11.86 = 42.22 SF

TOTAL DEDUCTABLE AREA

63 + 42.22 = 105.22 SF

ZONING FLOOR AREA

= 3491.67 - 105.22 = 3,386.45 SF



5th FLOOR

GROSS FLOOR AREA

= (69'-10" x 50'-0") - (18'-3" x 21'-7") = 3,097.77 SF

PLUMBING CHASE

①+②+③+④+⑤+⑥

= 4.38 + 5.25 + 11.36 + 6.13 + 5.25 + 5.25
= 37.62 sf

MECH. RM./ VENT

⑦+⑧+⑨+⑩+⑪+⑫

= 11.86 + 18.5 + 11.86 + 187.66 + 172.82 + 192.01
= 594.71 sf

TOTAL DEDUCTABLE AREA

37.62 + 594.71 = 632.33 SF

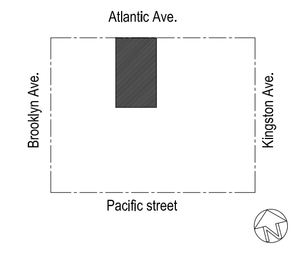
ZONING FLOOR AREA

= 3097.77 - 632.33 = 2,465.44 SF

DOB APPROVAL STAMP

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KEY PLAN:



REV.#	DATE	DESCRIPTION

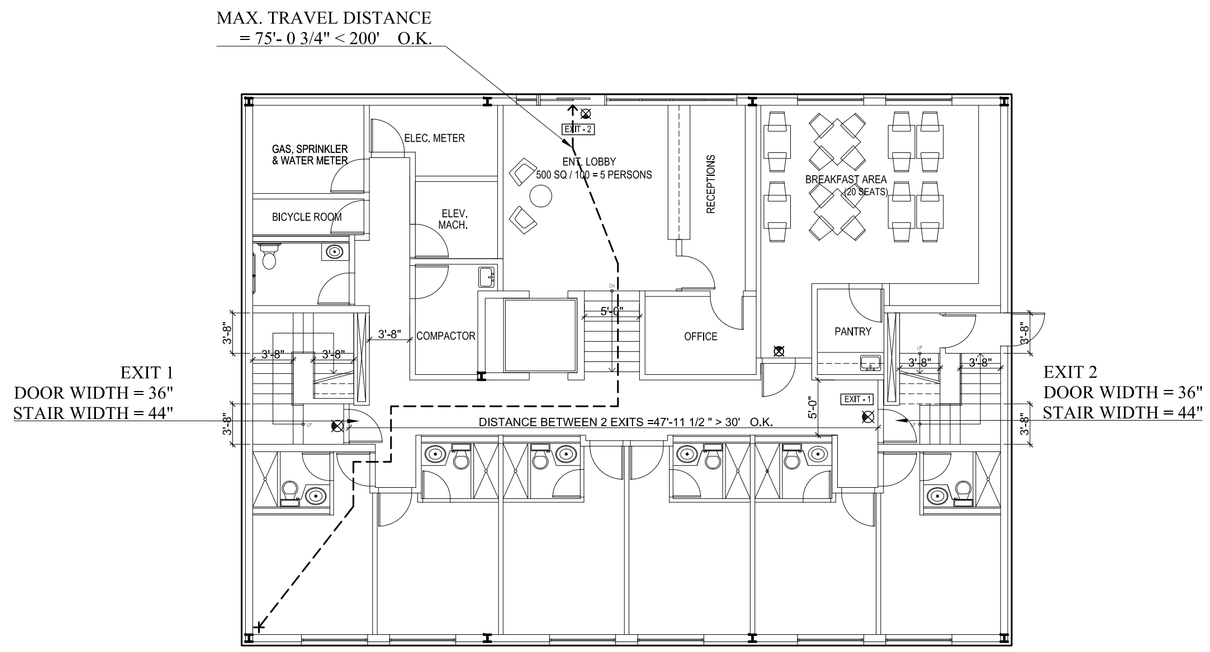
PROJECT TITLE:

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BROOKLYN, NEW YORK

ZONING FLOOR AREA DIAGRAM

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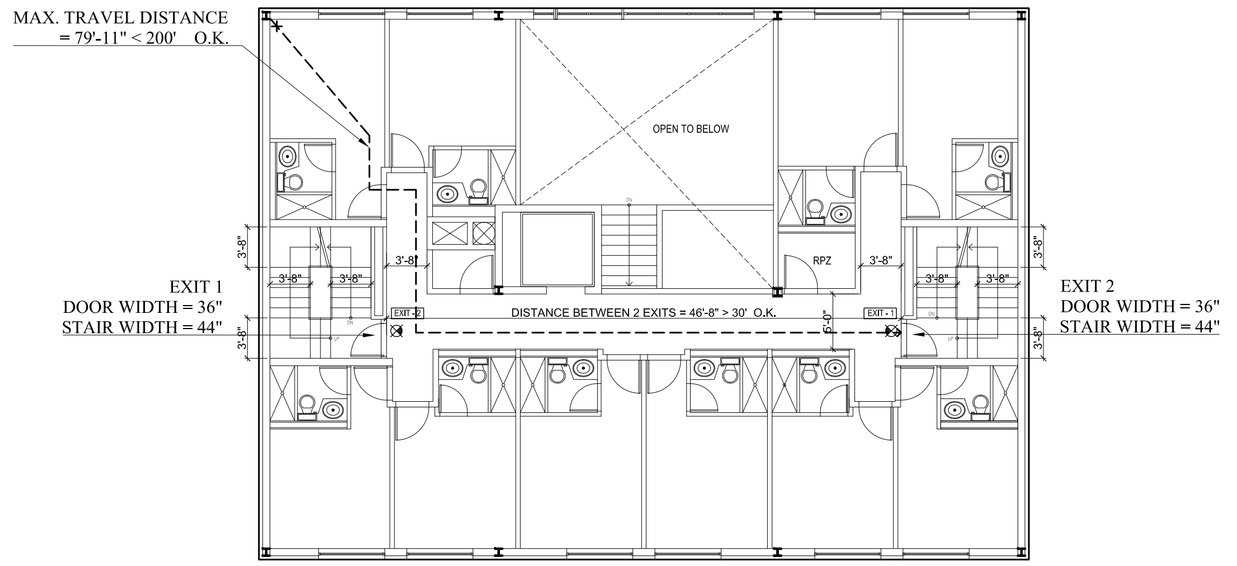
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CELLAR FLOOR PLAN

6 GUESTROOMS X 2 = 12 PERSONS
BREAKFAST AREA = 20 PERSONS
PANTRY = 2 PERSONS
ENTRANCE LOBBY = 5 PERSONS

TOTAL = 39 PERSONS



1ST FLOOR PLAN

OCCUPANTS
10 GUESTROOMS X 2 = 20 PERSONS

2ND, 3RD, 4TH FLOOR PLAN

OCCUPANTS
12 GUESTROOMS X 2 = 24 PERSONS

5TH FLOOR PLAN

OCCUPANTS
7 GUESTROOMS X 2 = 14 PERSONS

USE AND OCCUPANCY GROUP ANALYSIS

(PROPOSED BUILDING IS FULLY SPRINKLERED)

EXIT ACCESS TRAVEL DISTANCE (TABLE 1015.1)				
FLOOR	OCCUPANCY GROUP	USE GROUP	PROPOSED TRAVEL DISTANCE	MAX. TRAVEL DISTANCE ALLOWED
CELLAR FLOOR	HOTEL (R-1)	HOTEL (5)	75'-0 3/4"	200'-0" (R-1)
1ST FLOOR	HOTEL (R-1)	HOTEL (5)	79'-11"	200'-0" (R-1)
2ND FLOOR	HOTEL (R-1)	HOTEL (5)	79'-11"	200'-0" (R-1)
3RD FLOOR	HOTEL (R-1)	HOTEL (5)	79'-11"	200'-0" (R-1)
4TH FLOOR	HOTEL (R-1)	HOTEL (5)	79'-11"	200'-0" (R-1)
5TH FLOOR	HOTEL (R-1)	HOTEL (5)	70'-10"	200'-0" (R-1)

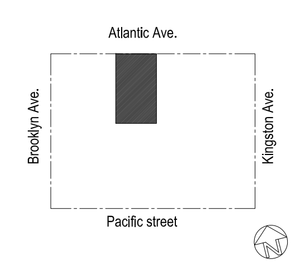
EGRESS WIDTH PER OCCUPANT SERVED

(TABLE 1005.1)

FLOOR		MAX. OCCUPANTS	INDEX (INCHES PER OCCUPANT)	MIN. NUMBER OF EXITS FOR OCCUPANT LOAD			INDEX (INCHES PER OCCUPANT)	MIN. NUMBER OF EXITS FOR OCCUPANT LOAD		
	OCCUPANCY GROUP		DOOR	ALLOWED	PROPOSED		STAIR	ALLOWED	PROPOSED	
CELLAR FLOOR	HOTEL (R-1)	39 PERSONS CEL + 1st (39 + 10 = 49 PERSONS)	0.2	49 / 2 = 24.5 24.5 x 0.2 = 4.9"	EXIT-1 DOOR = 36" EXIT-2 DOOR = 36"	EXIT-1 proposed (36") > allowed (4.9") o.k. EXIT-2 proposed (36") > allowed (4.9") o.k.	0.3	49 / 2 = 24.5 24.5 x 0.3 = 7.35"	EXIT-1 STAIR = 44" EXIT-2 STAIR = 44"	EXIT-1 proposed (44") > allowed (7.35") o.k. EXIT-2 proposed (44") > allowed (7.35") o.k.
1ST FLOOR	HOTEL (R-1)	20 PERSONS	0.2	20 / 2 = 10 10 x 0.2 = 2"	EXIT-1 DOOR = 36" EXIT-2 DOOR = 36"	EXIT-1 proposed (36") > allowed (2") o.k. EXIT-2 proposed (36") > allowed (2") o.k.	0.3	20 / 2 = 10 10 x 0.3 = 3"	EXIT-1 STAIR = 44" EXIT-2 STAIR = 44"	EXIT-1 proposed (44") > allowed (3") o.k. EXIT-2 proposed (44") > allowed (3") o.k.
2ND FLOOR	HOTEL (R-1)	24 PERSONS	0.2	24 / 2 = 12 12 x 0.2 = 2.4"	EXIT-1 DOOR = 36" EXIT-2 DOOR = 36"	EXIT-1 proposed (36") > allowed (2.4") o.k. EXIT-2 proposed (36") > allowed (2.4") o.k.	0.3	24 / 2 = 12 12 x 0.3 = 3.6"	EXIT-1 STAIR = 44" EXIT-2 STAIR = 44"	EXIT-1 proposed (44") > allowed (3.6") o.k. EXIT-2 proposed (44") > allowed (3.6") o.k.
3RD FLOOR	HOTEL (R-1)	24 PERSONS	0.2	24 / 2 = 12 12 x 0.2 = 2.4"	EXIT-1 DOOR = 36" EXIT-2 DOOR = 36"	EXIT-1 proposed (36") > allowed (2.4") o.k. EXIT-2 proposed (36") > allowed (2.4") o.k.	0.3	24 / 2 = 12 12 x 0.3 = 3.6"	EXIT-1 STAIR = 44" EXIT-2 STAIR = 44"	EXIT-1 proposed (44") > allowed (3.6") o.k. EXIT-2 proposed (44") > allowed (3.6") o.k.
4TH FLOOR	HOTEL (R-1)	24 PERSONS	0.2	24 / 2 = 12 12 x 0.2 = 2.4"	EXIT-1 DOOR = 36" EXIT-2 DOOR = 36"	EXIT-1 proposed (36") > allowed (2.4") o.k. EXIT-2 proposed (36") > allowed (2.4") o.k.	0.3	24 / 2 = 12 12 x 0.3 = 3.6"	EXIT-1 STAIR = 44" EXIT-2 STAIR = 44"	EXIT-1 proposed (44") > allowed (3.6") o.k. EXIT-2 proposed (44") > allowed (3.6") o.k.
5TH FLOOR	HOTEL (R-1)	14 PERSONS	0.2	14 / 2 = 7 7 x 0.2 = 1.4"	EXIT-1 DOOR = 36" EXIT-2 DOOR = 36"	EXIT-1 proposed (36") > allowed (1.4") o.k. EXIT-2 proposed (36") > allowed (1.4") o.k.	0.3	14 / 2 = 7 7 x 0.3 = 2.1"	EXIT-1 STAIR = 44" EXIT-2 STAIR = 44"	EXIT-1 proposed (44") > allowed (2.1") o.k. EXIT-2 proposed (44") > allowed (2.1") o.k.

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KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:

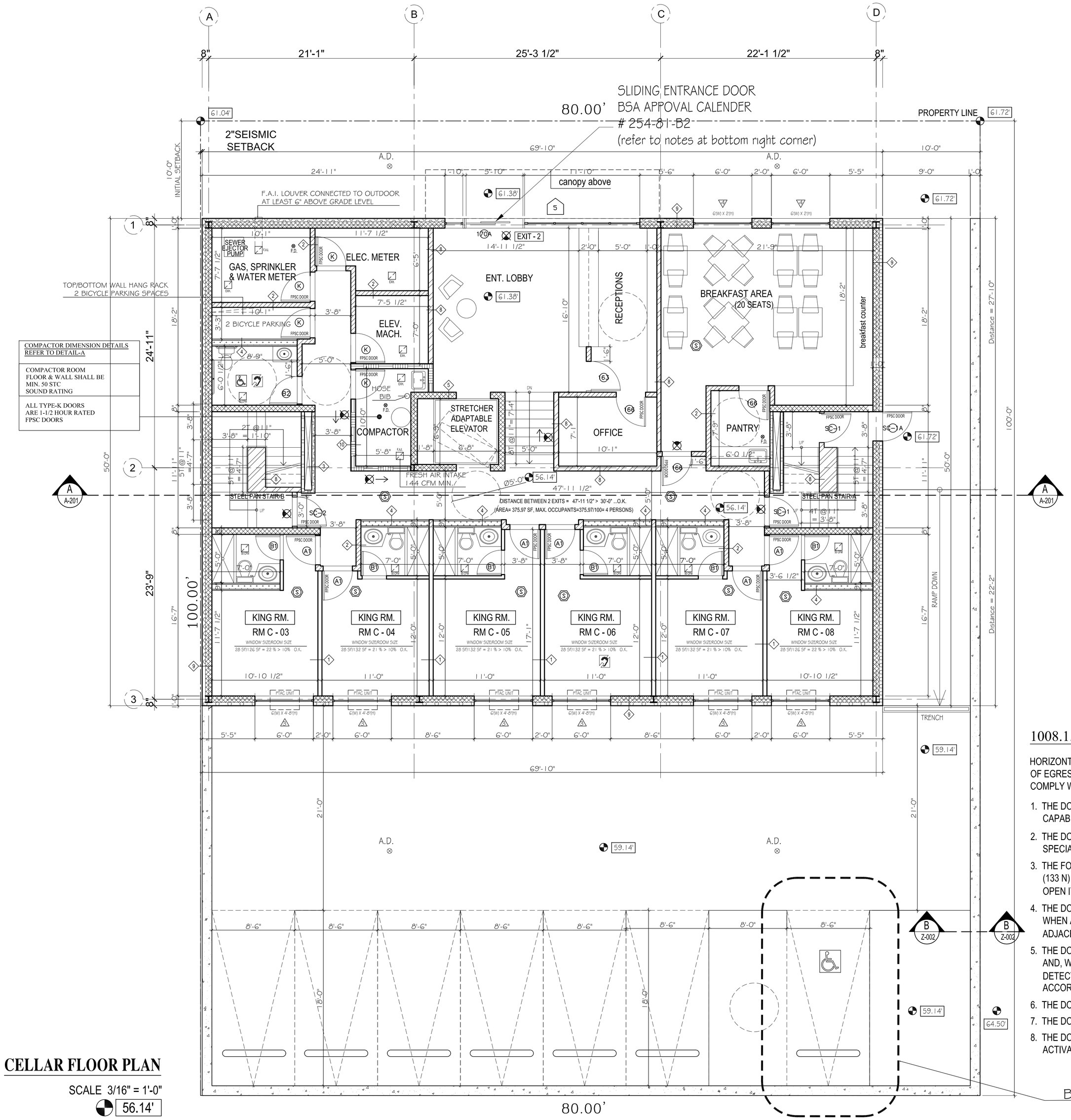
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BROOKLYN, NEW YORK

TRAVEL DISTANCE DIAGRAM

SEAL & SIGNATURE:

DATE:	06-04-15
PROJECT No:	201401
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Atlantic Ave. 120' WIDE



COMPACTOR DIMENSION DETAILS REFER TO DETAIL-A
COMPACTOR ROOM FLOOR & WALL SHALL BE MIN. 50 STC SOUND RATING
ALL TYPE-K DOORS ARE 1-1/2 HOUR RATED FPSC DOORS

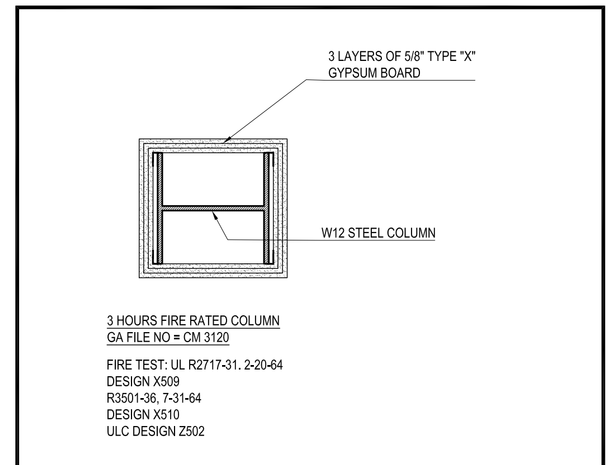
CELLAR FLOOR PLAN

SCALE 3/16" = 1'-0"

56.14'

MINIMUM HOTEL REQUIREMENTS:

1. PROPERLY COMPLETED WASTEWATER QUALITY CONTROL APPLICATION;
2. SITE PLAN, BASEMENT AND 1ST FLOOR PLANS;
3. FULL PLUMBING RISER DIAGRAM;
4. RESTAURANT WITH PROPER GREASE TRAP CALCULATIONS; FULL KITCHEN EQUIPMENT SCHEDULE, AND ALL WASTEWATER PIPING SHOWN;
5. WASHING MACHINES MUST HAVE LINT INTERCEPTOR (OR SIMPLE REMOVABLE MESH TO CAPTURE BUTTONS, ETC);
6. IF THERE IS A HYDRAULIC ELEVATOR, A SUMP PUMP MUST BE EQUIPPED WITH OIL SENSORS (SO CALLED OIL-MINDER). YOU HAVE TO INDICATE A MODEL, MAKER AND A FLOW RATE OF THE ABOVE OIL-MINDER;
7. IF YOU HAVE AN ELECTRICAL ELEVATOR, NO OIL MINDER IS REQUIRED. DRAWINGS SHOULD HAVE A NOTE SOMEWHERE THAT ELEVATOR IS ELECTRICAL.
8. IF THERE IS A RETAIL SPACE IN THE HOTEL, INDICATE WHAT KIND OF BUSINESS WILL BE THERE (PHARMACY, CLOTHING STORE, PET STORE, ETC). ADDITIONAL PRE-TREATMENT MIGHT BE REQUIRED IN THIS CASE;
9. IF THERE IS A BREAKFAST ROOM WITH NO FOOD PREPARATION AND ONLY DISPOSABLE DISHES AND UTENSILS BEING SERVED, A NOTE SCRIBING THE ABOVE MUST BE SHOWN ON DRAWINGS.
10. IF TGE PROPOSED HOTEL HAS ONLY GUEST ROOMS AND THERE ARE NO RESTAURANT, WASHING MACHINES, AND RETAIL SPACE, A NOTE DESCRIBING THE BOVE MUST BE SHOWN ON DRAWINGS.



3 HOURS FIRE RATED COLUMN
GA FILE NO = CM 3120

FIRE TEST: UL R2717-31, 2-20-64
DESIGN X509
R3501-36, 7-31-64
DESIGN X510
ULC DESIGN Z502

3 LAYERS OF 5/8" TYPE X GYPSUM BOARD SCREW ATTACHED TO 1 5/8" METAL STUDS LOCATED AT EACH CORNER OF W12 STEEL COLUMN, BASE LAYER ATTACHED WITH 1" TYPE X DRYWELL SCREWS 24" O.C. SECOND LAYER WITH 1 5/8" TYPE X DRYWELL SCREWS 12" O.C. AND 18 GAGE WIRE TIED 24" O.C. FACE LAYER ATTACHED WITH 2 1/2" TYPE X DRYWELL SCREWS 12" O.C. AND 1 1/4" CORNER BEAD AT EACH CORNER NAILED WITH 6D COATED NAILS. 1 7/8" LONG, 0.0915" SHANK, 1/4" HEADS, 12" O.C.

COLUMN DETAIL

NOT TO SCALE

1008.1.4.3 HORIZONTAL SLIDING DOORS

HORIZONTAL SLIDING DOORS PERMITTED TO BE A COMPONENET OF MEANS OF EGRESS EGRESS IN ACCORDANCE WITH EXCEPTION 6 TO SECTION 1008.1.2.1 SHALL COMPLY WITH ALL OF THE FOLLOWING CRITERIA:

1. THE DOORS SHALL BE POWER OPERATED AND SHALL BE CAPABLE OF BEING OPERATED MANUALLY IN THE EVENT OF POWER FAILURE.
2. THE DOORS SHALL BE OPENABLE BY A SIMPLE METHOD FROM BOTH SIDES WITHOUT SPECIAL KNOWLEDGE OR EFFORT.
3. THE FORCE REQUIRED TO OPERATE THE DOOR SHALL NOT EXCEED 30 POUNDS (133 N) TO SET THE DOOR IN MOTION AND 15 POUNDS (67 N) TO CLOSE THE DOOR OR OPEN IT TO THE MINIMUM REQUIRED WIDTH.
4. THE DOOR SHALL BE OPENABLE WITH A FORCE NOT TO EXCEED 15 POUNDS (67 N) WHEN A FORCE OF 250 POUNDS (1100 N) IS APPLIED PERPENDICULAR TO THE DOOR ADJACENT TO THE OPERATING DEVICE.
5. THE DOOR ASSEMBLY SHALL COMPLY WITH THE APPLICABLE FIRE PROTECTION RATING AND, WHERE RATED, SHALL BE SELF-CLOSING OR AUTOMATIC-CLOSING BY SMOKE DETECTION IN ACCORDANCE WITH SECTION 715.4.8.3, SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 80 AND SHALL COMPLY WITH SECTION 715 OF THIS CODE.
6. THE DOOR ASSEMBLY SHALL HAVE AN INTEGRATED STANDBY POWER SUPPLY.
7. THE DOOR ASSEMBLY POWER SUPPLY SHALL BE ELECTRICALLY SUPERVISED.
8. THE DOOR SHALL OPEN TO THE MINIMUM REQUIRED WIDTH 10 SECONDS AFTER ACTIVATION OF OPERATING DEVICE.

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DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

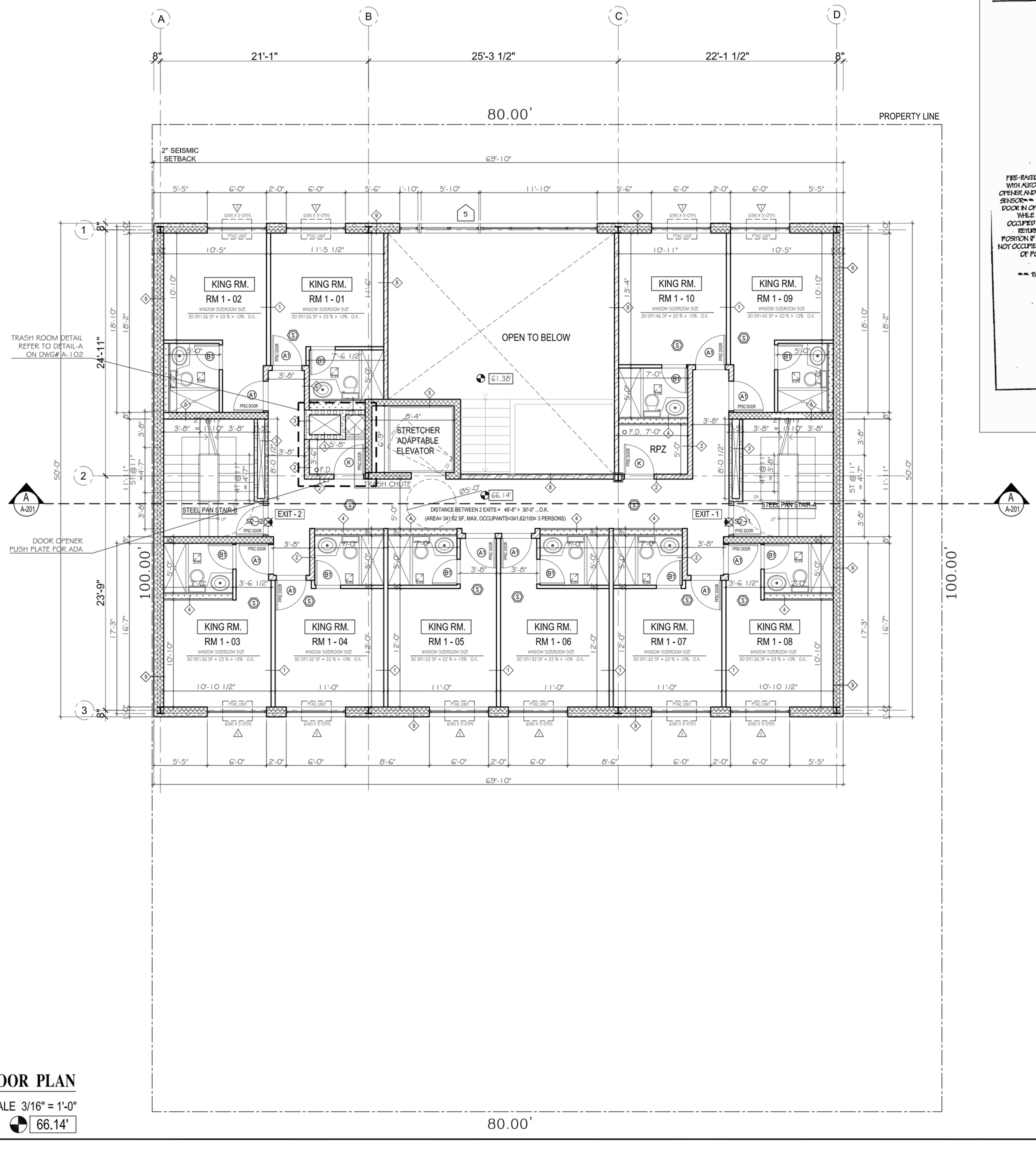
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

CELLAR FLOOR PLAN

SEAL & SIGNATURE:

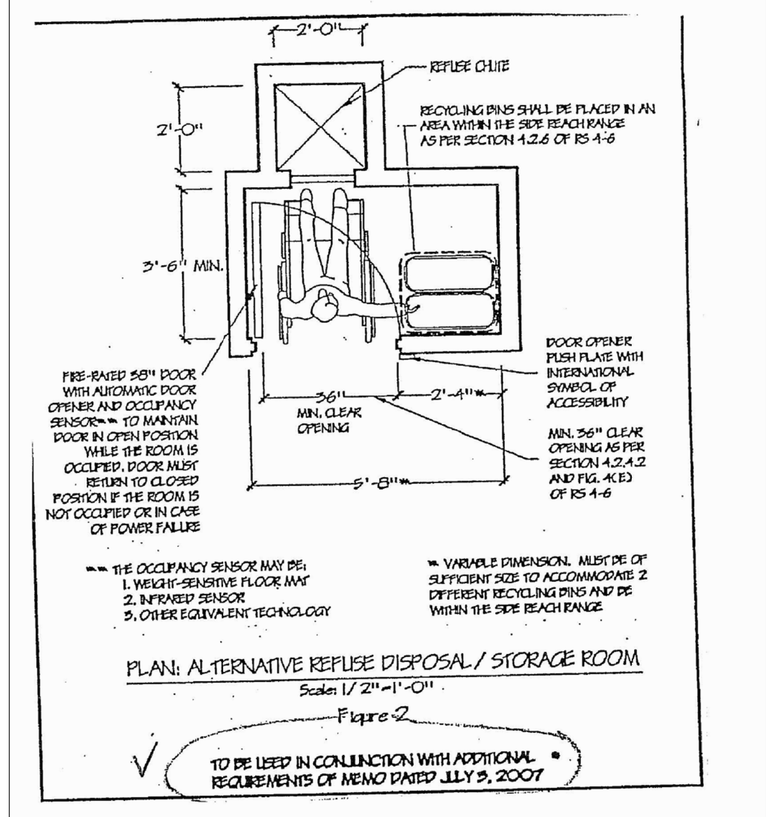
DATE:	01-23-14
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DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-101.00
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1ST FLOOR PLAN

SCALE 3/16" = 1'-0"

66.14'

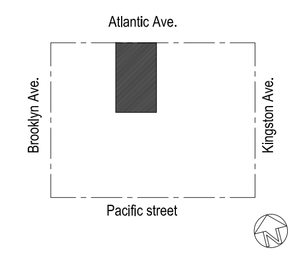


TRASH ROOM DETAIL - A

DOB APPROVAL STAMP

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Fax: (718) 661-1619

KEY PLAN:



REV.#	DATE	DESCRIPTION

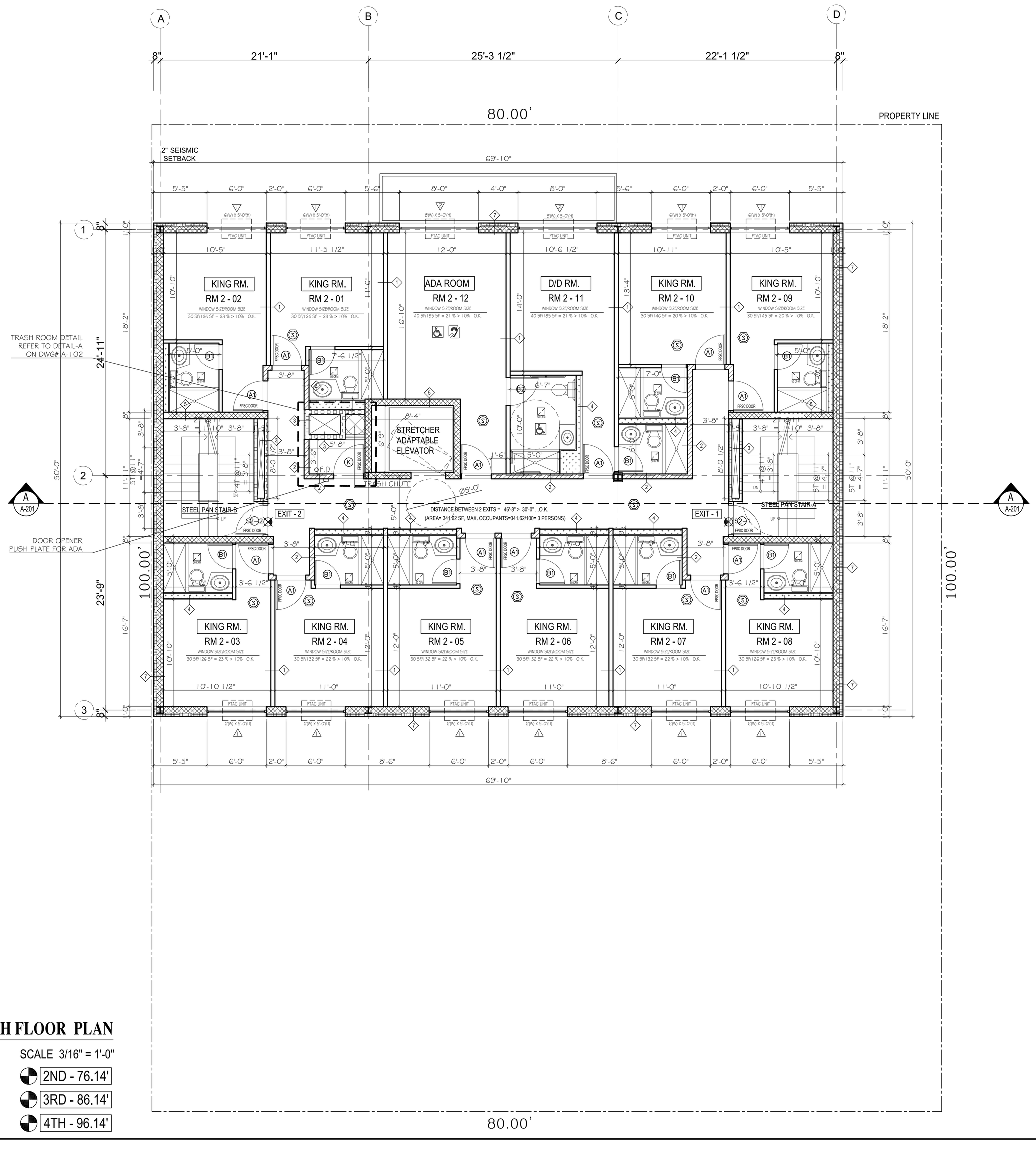
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

FIRST FLOOR PLAN

SEAL & SIGNATURE:

DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-102.00
PAGE No:	6 of 29



2ND-4TH FLOOR PLAN

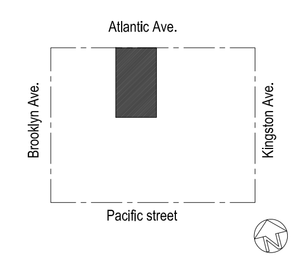
SCALE 3/16" = 1'-0"

- 2ND - 76.14'
- 3RD - 86.14'
- 4TH - 96.14'

DOB APPROVAL STAMP

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KEY PLAN:



REV.#	DATE	DESCRIPTION

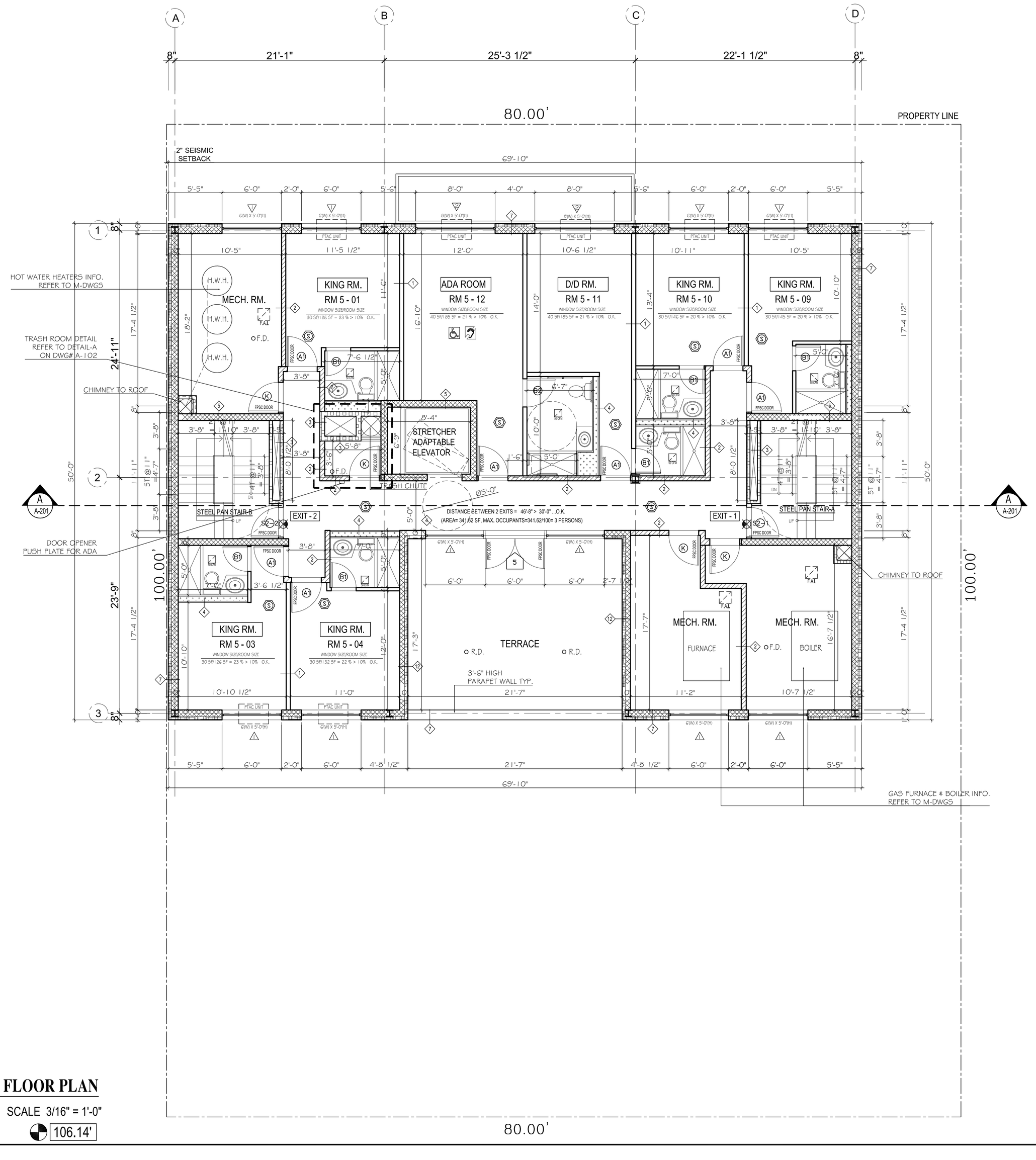
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

2ND - 4TH FLOOR PLAN

SEAL & SIGNATURE:

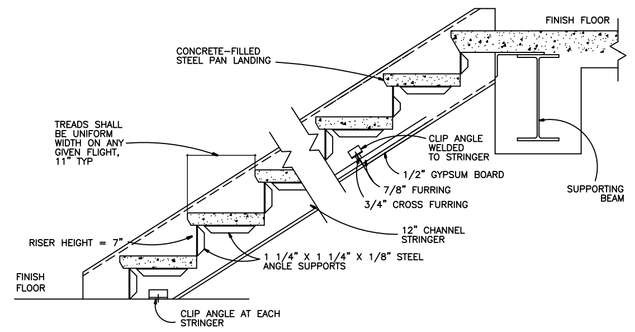
DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-103.00
PAGE No:	7 of 29



5TH FLOOR PLAN

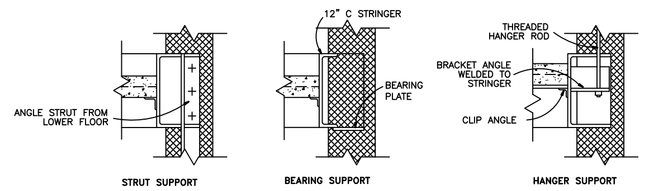
SCALE 3/16" = 1'-0"

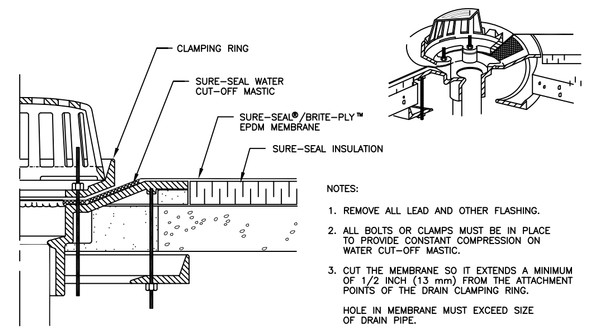
106.14'



METAL PAN STAIR (TYP.)

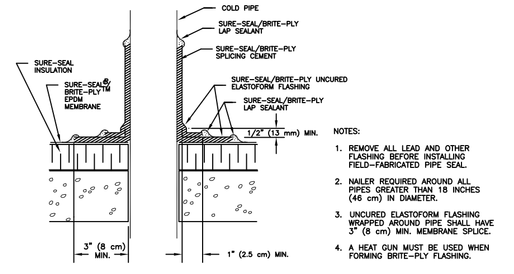
NOT TO SCALE





TERRACE DRAIN

NOT TO SCALE



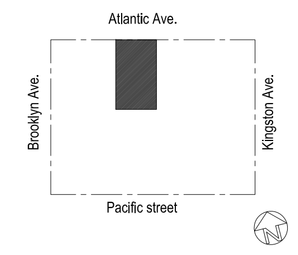
FIELD FABRICATED PIPE SEAL

NOT TO SCALE

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DOB APPROVAL STAMP

KEY PLAN:



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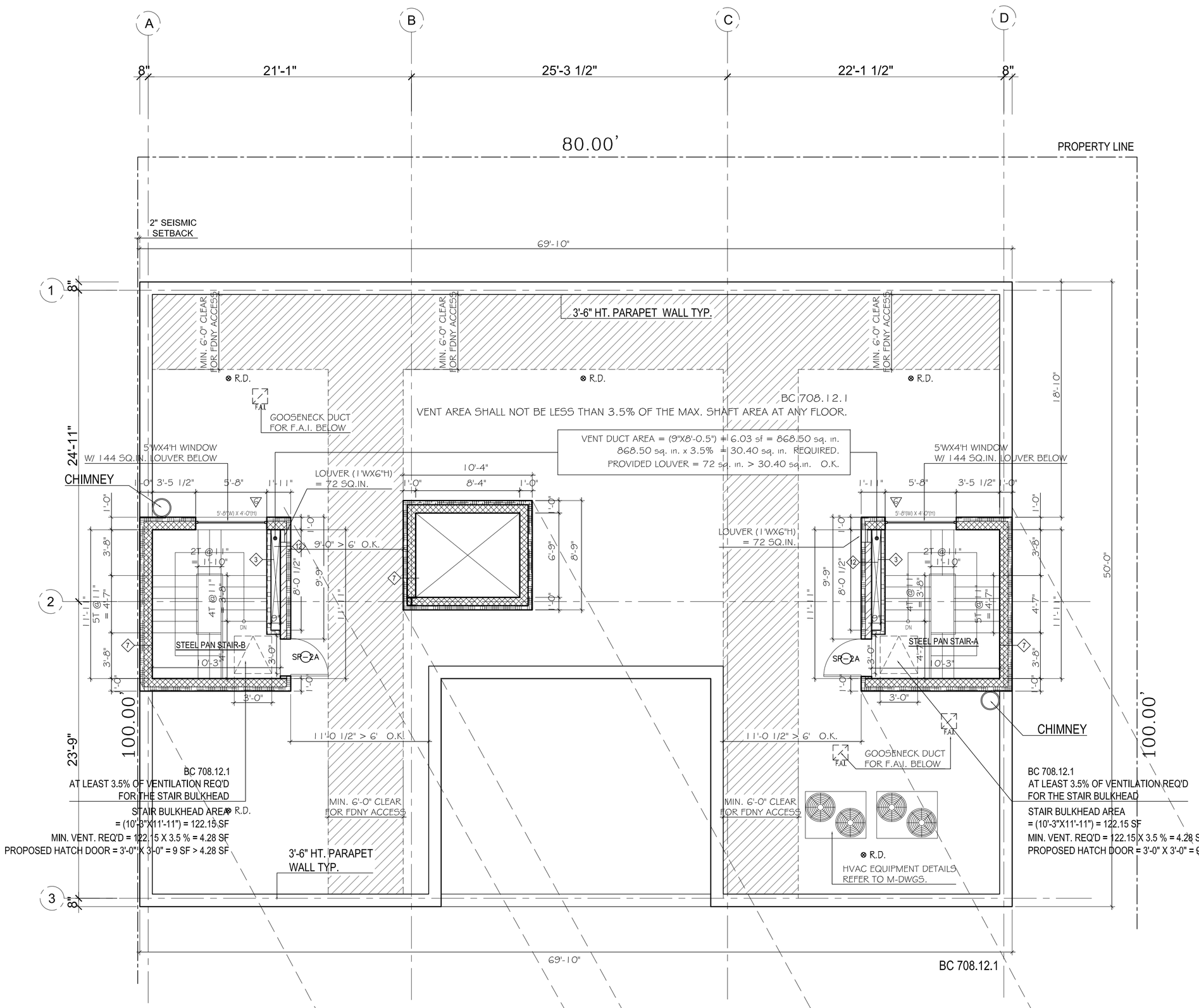
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

5TH FLOOR PLAN

SEAL & SIGNATURE:

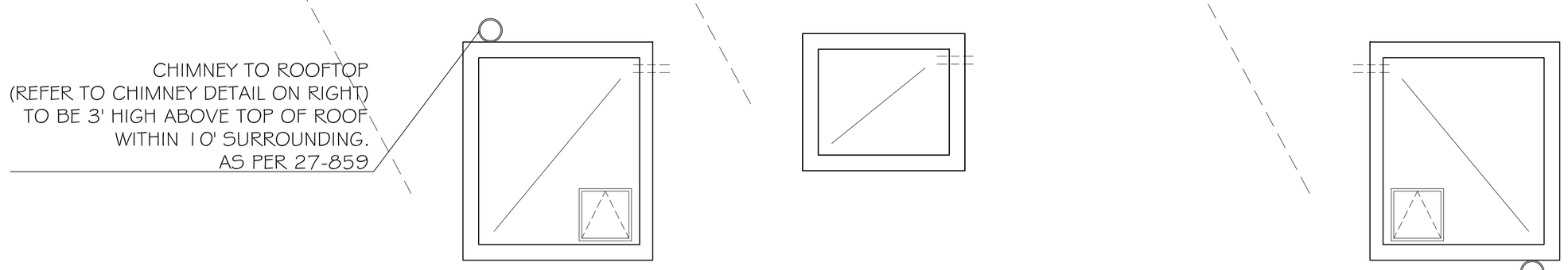
DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-104.00
PAGE No:	8 of 29



ROOF PLAN

SCALE 3/16" = 1'-0"

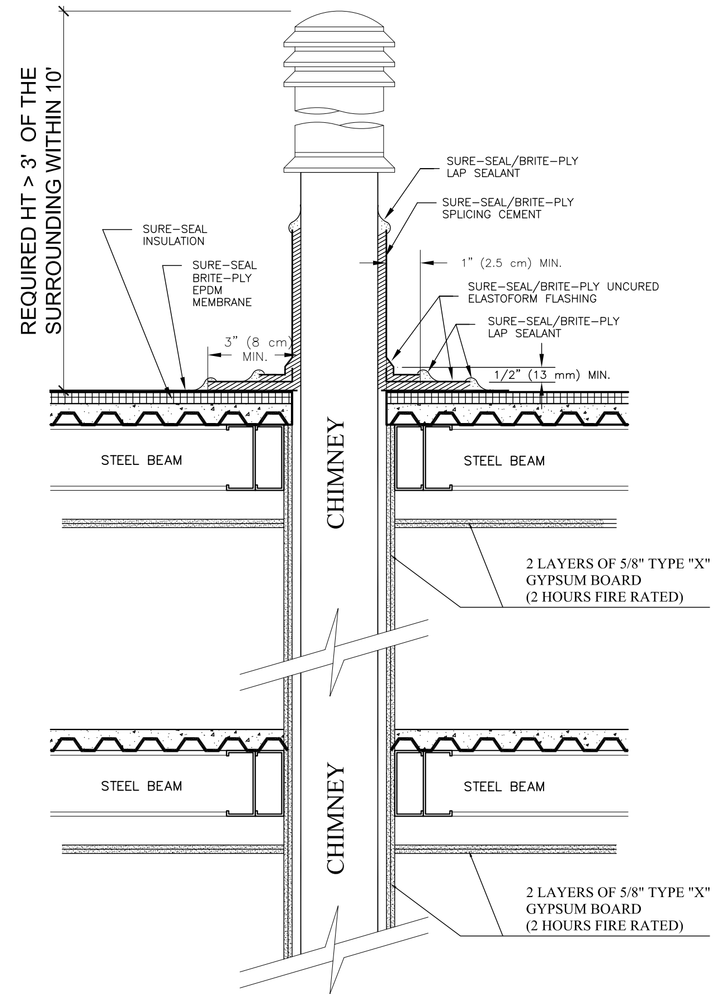
116.14'



BULKHEAD PLAN

SCALE 3/16" = 1'-0"

125.14'



NOTES:

1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING FIELD-FABRICATED PIPE SEAL.
2. NAILER REQUIRED AROUND ALL PIPES GREATER THAN 18 INCHES (46 cm) IN DIAMETER.
3. UNCURED ELASTOFORM FLASHING WRAPPED AROUND PIPE SHALL HAVE 3" (8 cm) MIN. MEMBRANE SPLICE.
4. A HEAT GUN MUST BE USED WHEN FORMING BRITE-PLY FLASHING.

2 HOURS FIRE RATED SHAFT ENCLOSED

CHIMNEY DETAIL

NOT TO SCALE

THE CLEAR OPENING TO THE EXTERIOR MAY BE CONSTRUCTED AS A SKYLIGHT OR TRAPDOOR ARRANGED TO OPEN AUTOMATICALLY BY FUSIBLE LINK OR OTHER MECHANICAL DEVICE WHEN SUBJECTED TO A TEMPERATURE OF 160°F (71°C) OR TO A RAPID RISE IN TEMPERATURE AT A RATE OF 15°F (-9.4°C) TO 20°F (-6.7°C) PER MINUTE.

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Fax: (718) 661-1619

DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

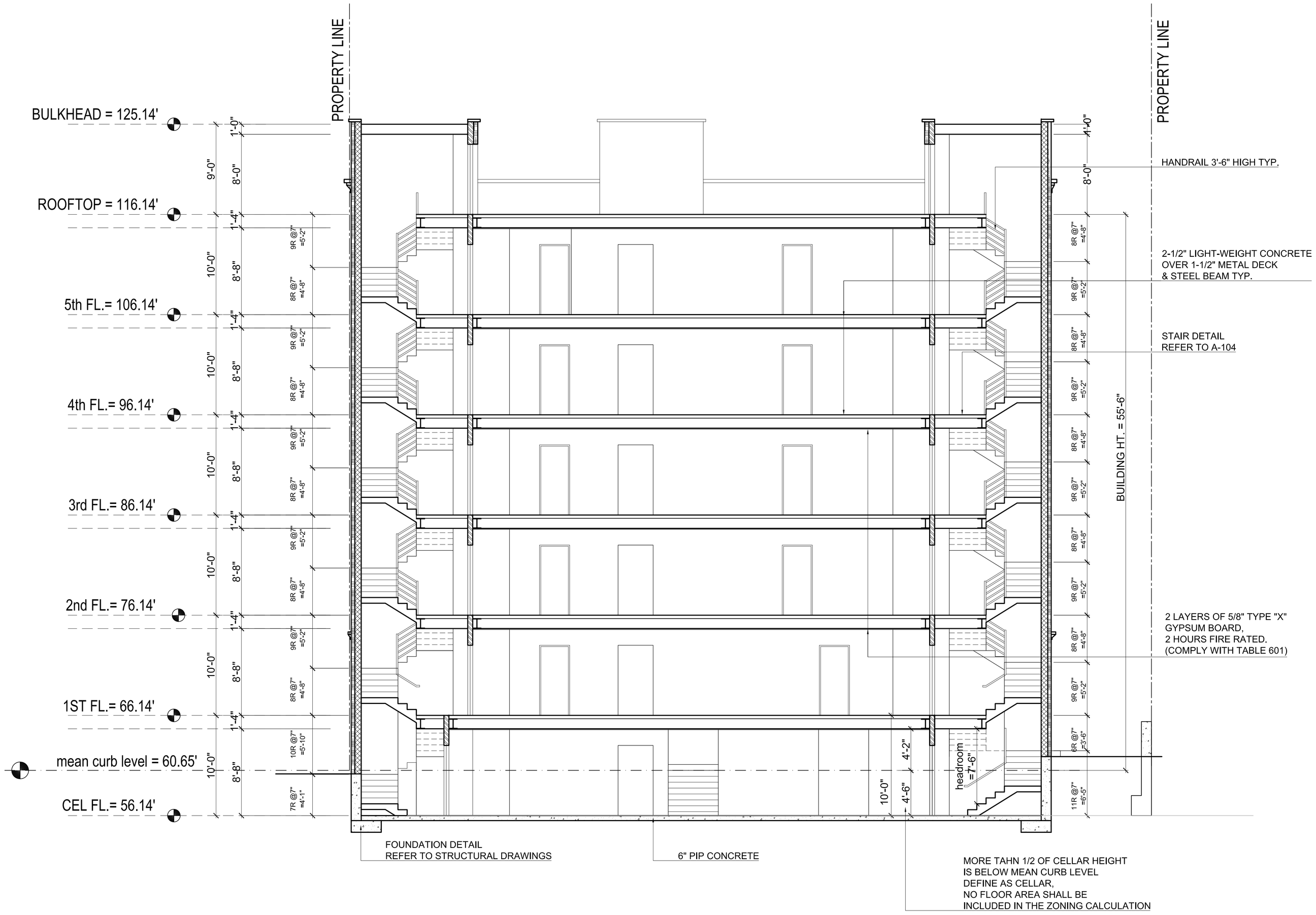
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

ROOF FLOOR PLAN

SEAL & SIGNATURE:

DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-105.00
PAGE No:	9 of 29



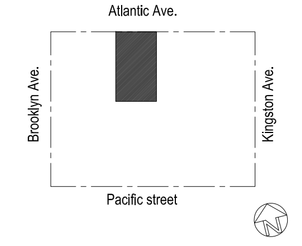
SECTION A-A

SCALE 3/16" = 1'-0"

DOB APPROVAL STAMP

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KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

SECTION A-A

SEAL & SIGNATURE:

DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-201.00
PAGE No:	10 of 29



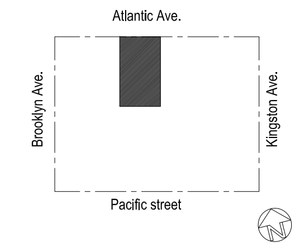
NORTH ELEVATION

SCALE 3/16" = 1'-0"

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DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

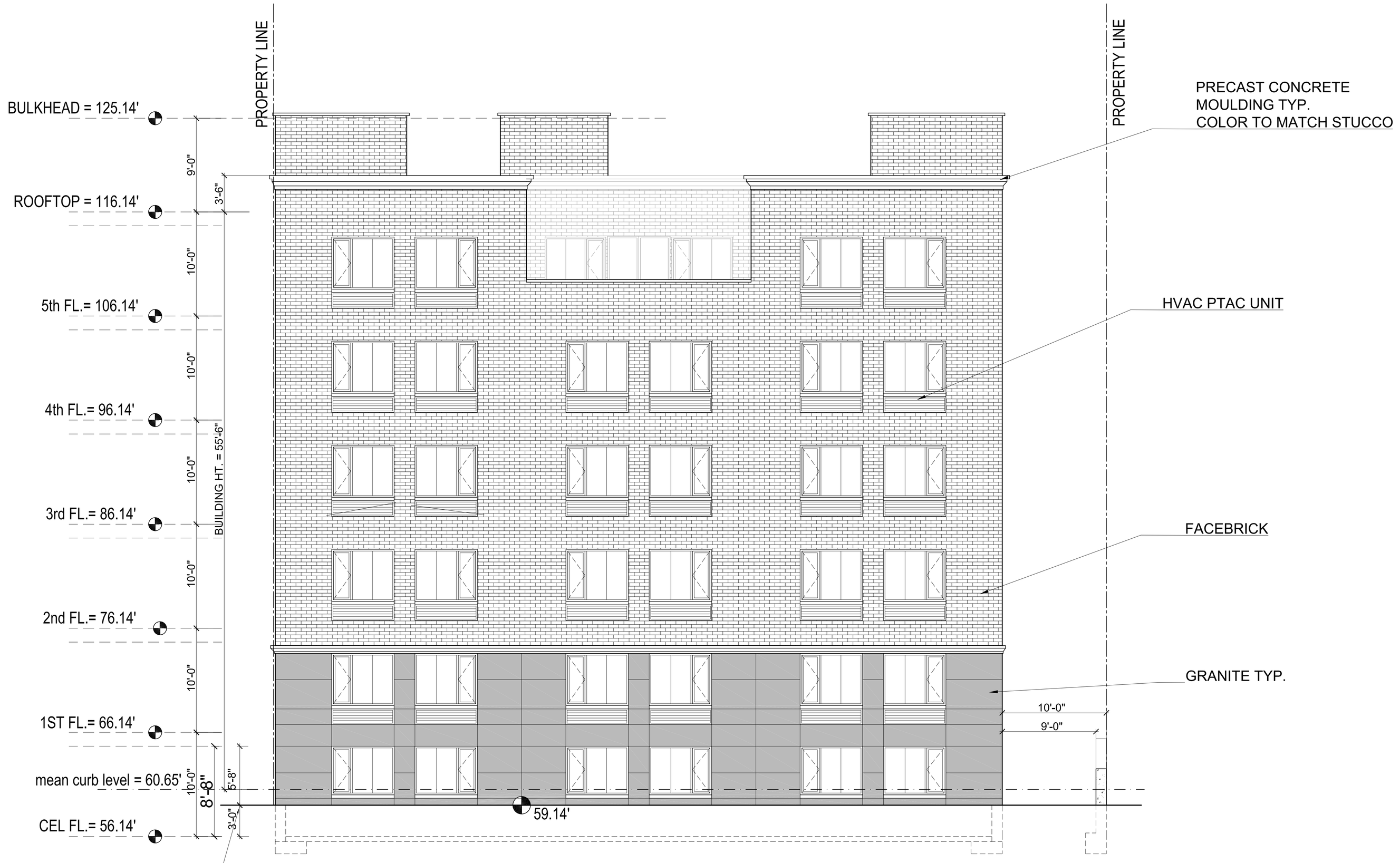
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

NORTH ELEVATION

SEAL & SIGNATURE:

DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-301.00
PAGE No:	11 of 29



more than 1/2 of cellar height is below mean curb level define as cellar no floor area shall included in the zoning calculation

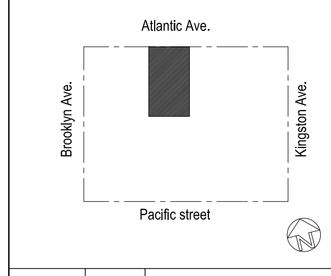
SOUTH ELEVATION

SCALE 3/16" = 1'-0"

DOB APPROVAL STAMP

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KEY PLAN:



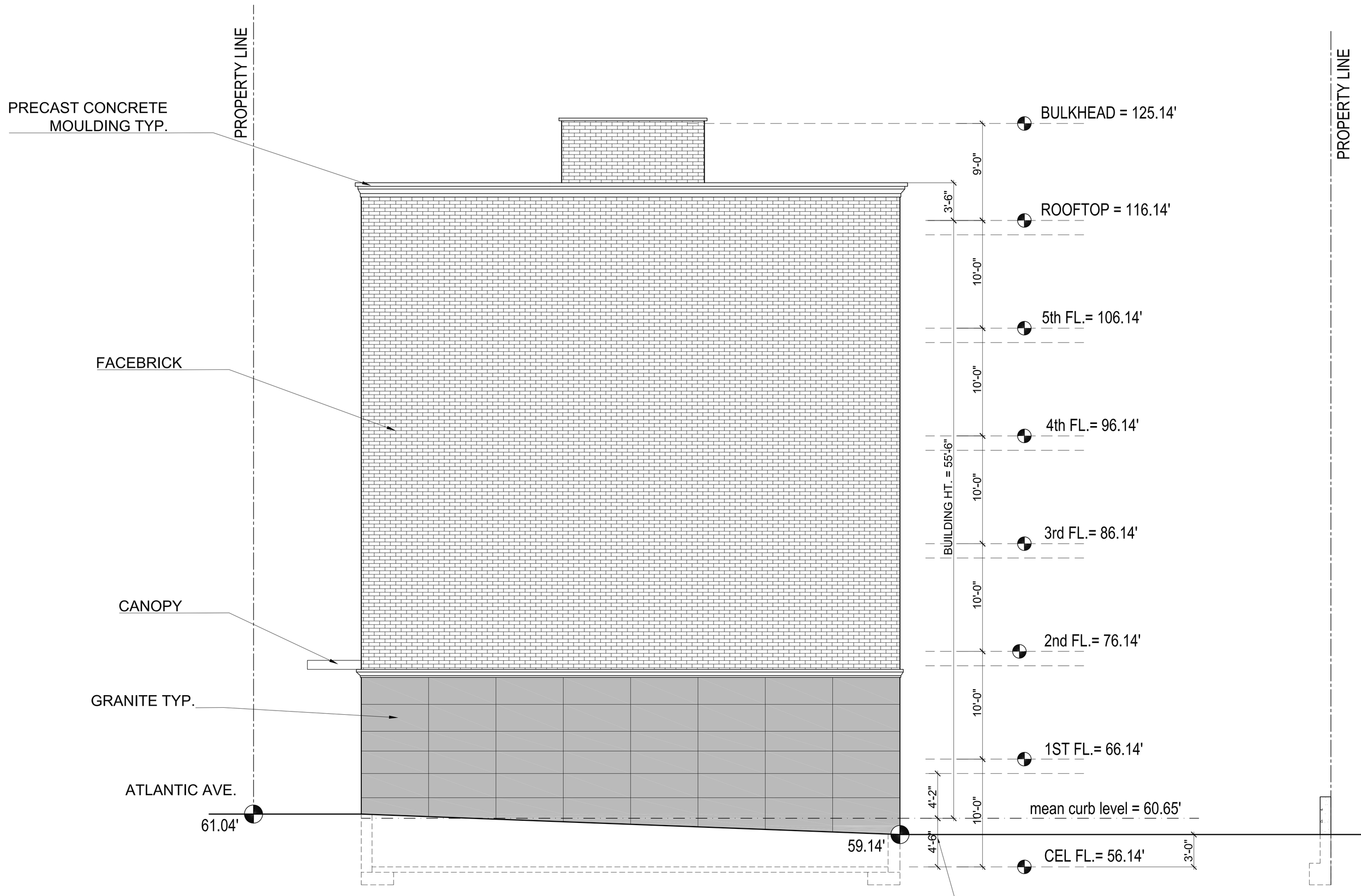
REV.#	DATE	DESCRIPTION

PROJECT TITLE:
1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

SOUTH ELEVATION

SEAL & SIGNATURE:

DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-302.00
PAGE No:	12 of 29



more than 1/2 of cellar height is below mean curb level define as cellar no floor area shall included in the zoning calculation

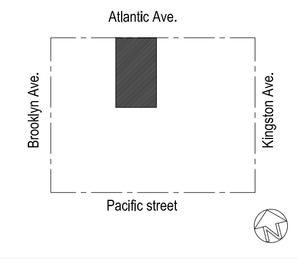
EAST ELEVATION

SCALE 3/16" = 1'-0"

DOB APPROVAL STAMP

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KEY PLAN:



REV.#	DATE	DESCRIPTION

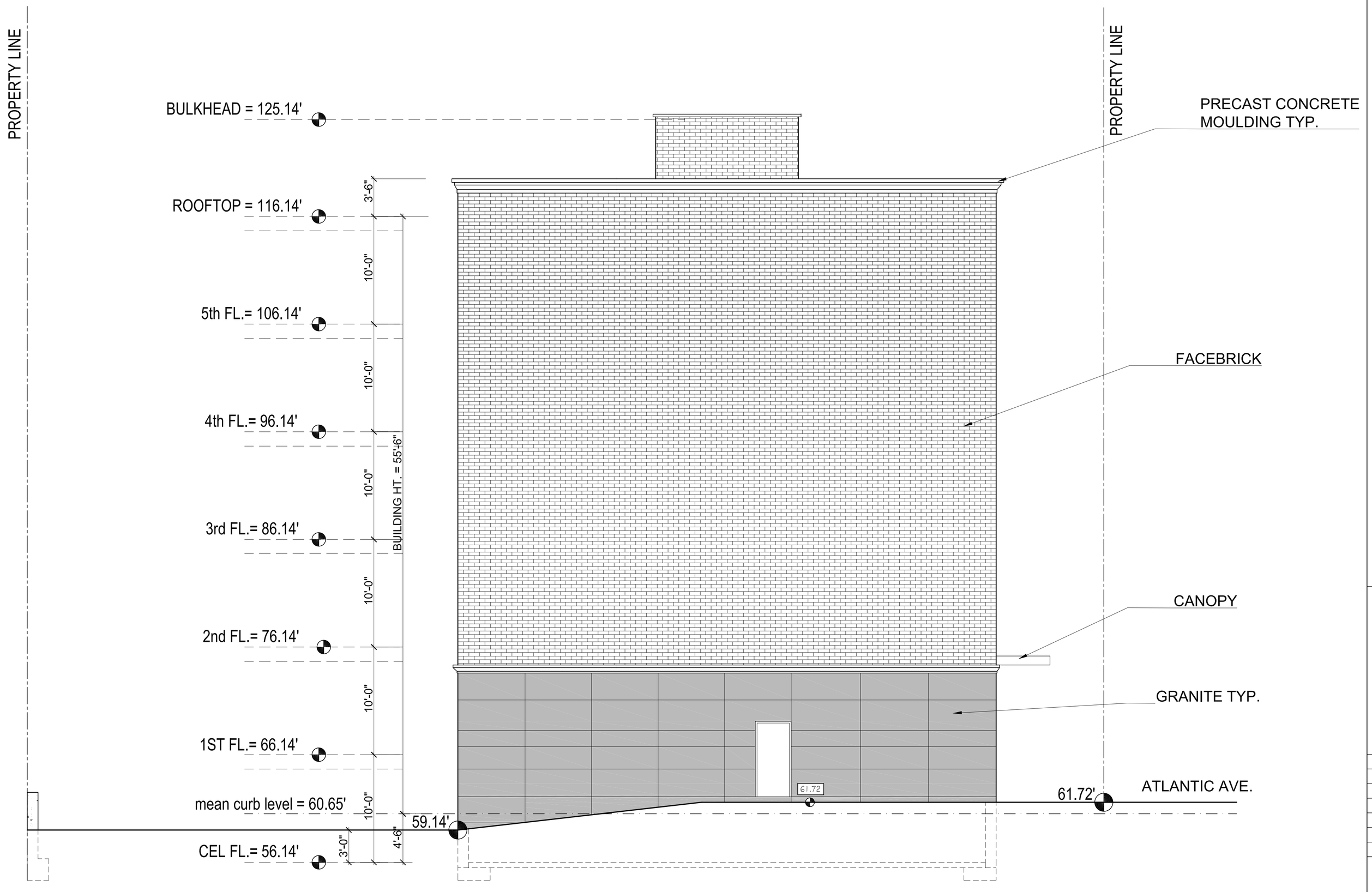
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

EAST ELEVATION

SEAL & SIGNATURE:

DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-303.00
PAGE No:	13 of 29



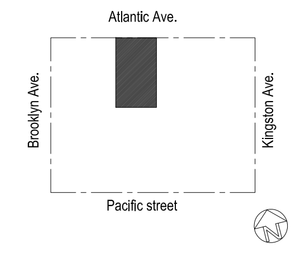
WEST ELEVATION

SCALE 3/16" = 1'-0"

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REV.#	DATE	DESCRIPTION

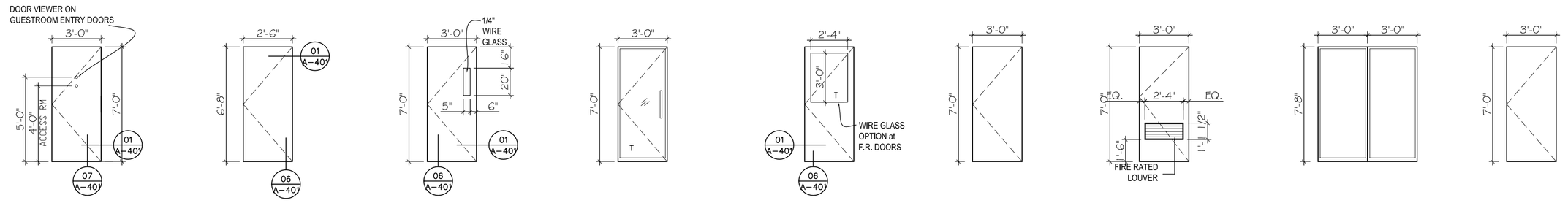
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

WEST ELEVATION

SEAL & SIGNATURE:

DATE:	06-04-15
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-304.00
PAGE No:	14 of 29



A (GUESTROOM) — HOLLOW METAL

B (BATHROOM) — FLUSH HOLLOW METAL

S1/S2 (STAIR) — HOLLOW METAL

163 (OFFICE) — ALUMIN. & GLASS

166 (PANTRY) — HOLLOW METAL

K

K1

170A (LOBBY) — HOLLOW METAL

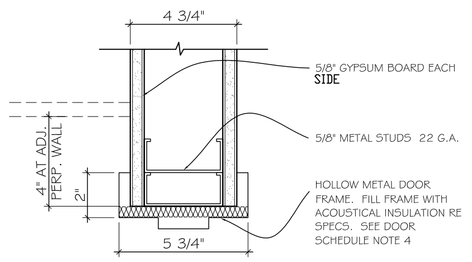
C (PANTRY)

GENERAL NOTES:

1. SEE SHEET A-301 FOR AUTOMATIC ENTRY DOOR ELEVATIONS
2. T=TEMPERED GLAZING

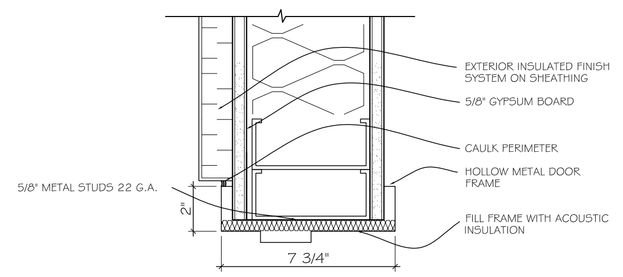
02 DOOR TYPES

N.T.S.



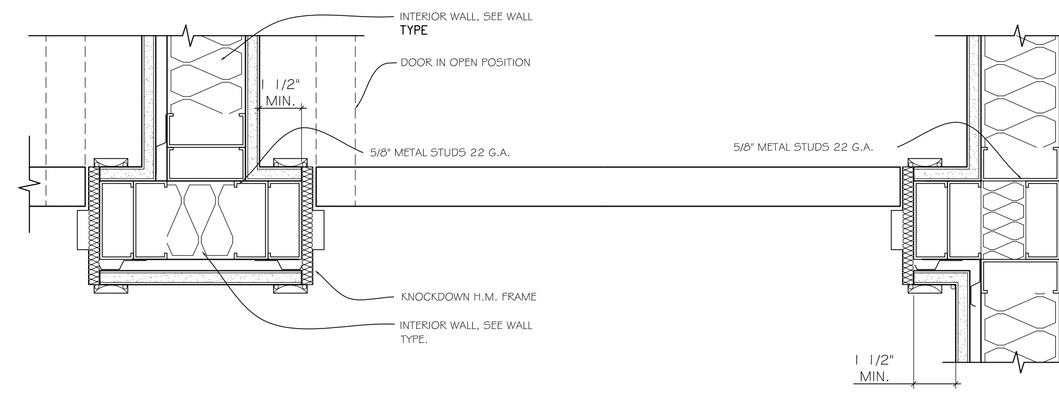
01 INT. DOOR JAMB

N.T.S.



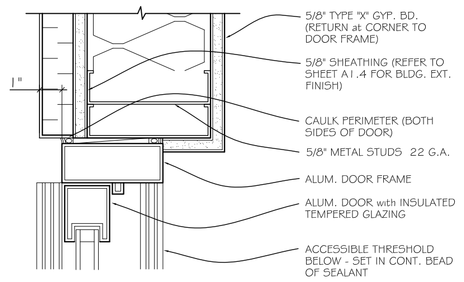
03 EXT. DOOR HEAD

N.T.S.



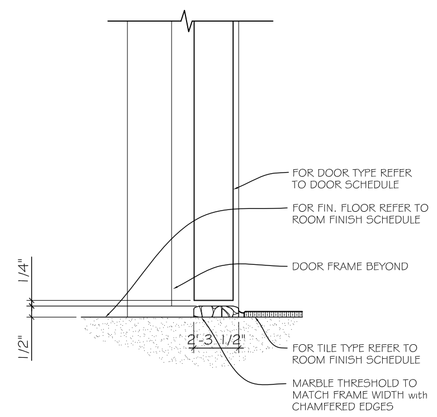
04 INT. DOOR JAMB

N.T.S.



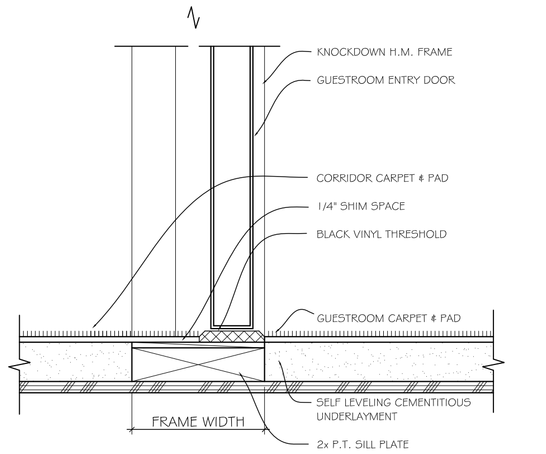
05 EXT. DOOR JAMB

N.T.S.



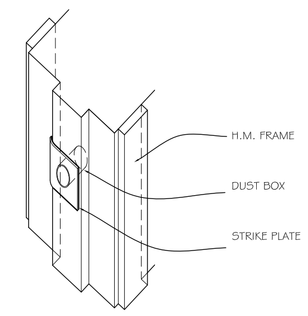
06 INT. DOOR SILL

N.T.S.



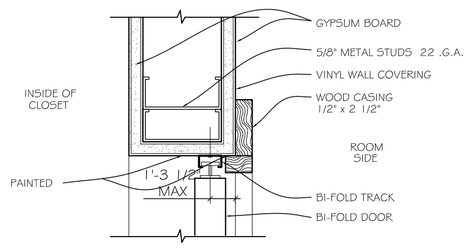
07 RUBBER THRESHOLD

N.T.S.



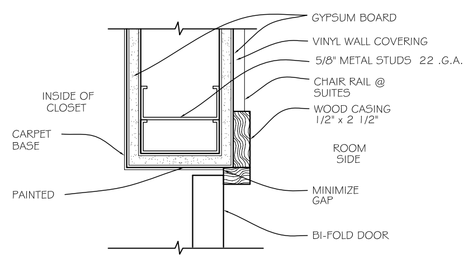
08 INT. DOOR LATCH

N.T.S.



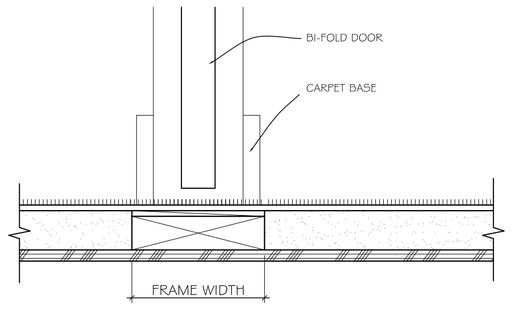
09 BIFOLD HEAD

N.T.S.



10 BIFOLD JAMB

N.T.S.

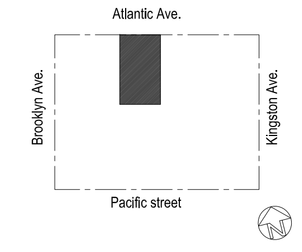


N.T.S.

DOB APPROVAL STAMP

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Fax: (718) 661-1619

KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

DOOR DETAILS

SEAL & SIGNATURE:

DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-401.00
PAGE No:	15 of 29

DOOR SCHEDULE

NO.	ROOM NAME	DOOR WIDTH HEIGHT THICK.	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE SET	FIRE RATING	REMARKS
GUEST ROOM UNITS								
(A1)	GUEST ENTRY	3'-0" x 7'-0" x 1 3/4"	A	HOLLOW METAL	HOLLOW METAL		90 MIN.	PROVIDE PROTECTIVE ANGLES SAFETY AND RUBBER THRESHOLD (DET. A-401) (EXIT SIGN ON BACK OF DOOR) 1-1/2 HR RATED FPSC DOOR
(B1)	BATHROOM	2'-6" x 6'-8" x 1 3/4"	B	HOLLOW METAL	HOLLOW METAL		-	PROVIDE DOOR SEALS, SILENCERS & MARBLE THRESHOLD (DET. A-401) AT BATHROOM DOORS. STOPS ON DOORS OPENG TO BATHTUBS.
(B2)	ACCESS. BATH	2'-10" x 6'-8" x 1 3/4"	B	HOLLOW METAL	HOLLOW METAL		-	PROVIDE DOOR SEALS, SILENCERS & MARBLE THRESHOLD (DET. A-401) AT BATHROOM DOORS.
(C1)	PANTRY	3'-0" x 7'-0" x 1 3/4"	C	HOLLOW METAL	HOLLOW METAL		-	AUTOMATIC SLIDING DOORS. WITH SENSOR.
CIRCULATION								
SC-1	STAIR 1	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
S1-1	STAIR 1	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
S2-1	STAIR 1	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
S3/4/5-1	STAIR 1	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
SR-1	STAIR 1	3'-0" x 7'-0"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
SC-2	STAIR 2	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
S1-2	STAIR 2	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
S2-2	STAIR 2	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
S3/4/5-2	STAIR 2	3'-0" x 7'-0" x 1 3/4"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
SR-2	STAIR 2	3'-0" x 7'-0"	S1	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR

DOOR SCHEDULE

NO.	ROOM NAME	DOOR WIDTH x HEIGHT x THICK.	DOOR MATERIAL	FRAME MATERIAL	HARDWARE SET	FIRE RATING	REMARKS
K	UTILITY ROOMS	3'-0" x 7'-0" x 1 3/4"	HOLLOW METAL	HOLLOW METAL		90 MIN.	1-1/2 HR RATED FPSC DOOR
170A	VESTIBULE	3'-0" x 7'-8" (X2)	ALUMIN./GLASS	ALUMINIUM		90 MIN.	AUTOMATIC DOUBLE SLIDING DOORS. WITH SENSOR. W/ FANLIGHT ABOVE.
				EXTERIOR DOORS - U-FACTOR & SHGC REFER TO DOOR PERFORMANCE SCHEDULE ON A-403			
166	OFFICE/PANTRY	3'-0" x 7'-0" x 1 3/4"	GLASS DOOR	HOLLOW METAL		90 MIN.	CARD READER, W/ GLASS PANEL AS SHOWN IN DWG. A-401 1-1/2 HR RATED FPSC DOOR
			U-FACTOR	SHGC			
5	5TH FLOOR CORRIDOR	3'-0" x 7'-7" (X2)	ALUMIN./GLASS	ALUMINIUM		90 MIN.	GLASS/ALUMIN. DOUBLE SWING DOORS

ROOM FINISH SCHEDULE

NOTE: THE FINISH SCHEME REPRESENTED IN THIS SCHEDULE IS THE PRIMARY SCHEME. OTHER INTERIOR DESIGN PACKAGES ARE AVAILABLE IF REQUESTED.

NAME	FLOOR	BASE	WALL	CEILING MATERIAL	CEILING HEIGHT	REMARKS
ELECTRICAL METER ROOM	SEAL CONC.	NONE	PAINT	GYP.BD.-PAINT	STRUCT.	
ELEVATOR MACHINE ROOM	SEAL CONC.	VINYL	PAINT	GYP.BD.-PAINT	STRUCT.	
RECEPTION	GRANITE	VINYL	VWC	GYP.BD.-PAINT	VARIES SEE PLAN	
LOBBY	GRANITE	CT/CCWD	VWC	GYP.BD.-PAINT	VARIES SEE PLAN	
UTILITY CORRIDOR	SEAL CONC.	NONE	PAINT	GYP.BD.-PAINT	STRUCT.	
WATER METER ROOM	SEAL CONC.	NONE	PAINT	GYP.BD.-PAINT	STRUCT.	
TYPICAL STAIR NO.1	SC	VINYL	PAINT OR KNOCKDN	SPRAY ON	VARIES	
TYPICAL STAIR NO.2	SC	VINYL	PAINT OR KNOCKDN	SPRAY ON	VARIES	
GUESTROOM CORRIDOR	CC	CC	VWC	SUSP. ACT/ GYP BD PAINT	8'-0"	
BREAKFAST ROOM	GRANITE	VINYL	VWC	GYP.BD.-PAINT	VARIES SEE PLAN	
GUESTROOM						
BEDROOM	CC	CC	VWC	SPRAY ON	VARIES	
BATHROOM	GRANITE	CT	GRANITE	GYP.BD.-PAINT	8'-0"	

DOOR NOTES

1) TOPS AND BOTTOMS OF ALL HOLLOW METAL DOORS EXPOSED TO WEATHER SHALL BE CAPPED AND FINISHED.
2) ALLOW FOR PLASTIC LAMINATE FACES AT DOOR FRAMES. ADJUST HINGES AS REQUIRED.
3) PROVIDE HAZARD WARNING TEXTURE ON DOOR HANDLES TO MECHANICAL ROOM AND POOL EQUIP. ROOM FOR VISUALLY IMPAIRED.
4) UNDERCUT BATHROOM DOORS AT TWO COMPARTMENT SUITES TO MEET MECHANICAL CODES.
5) SEE DOOR DETAILS IN SHEET A-401 FOR FURTHER INFORMATION.
6) DOOR CLOSERS ARE TO BE SPECIFIED FOR GUEST ROOM DOORS, SPRING HINGES ARE NOT ACCEPTABLE.
7) ALL HARDWARE FURNISHED WITH FIRE RATED DOORS & FRAMES TO BE TESTED ASSEMBLIES PER CODE REQUIREMENTS FOR TEMPERATURE RISE, SMOKE & POSITIVE PRESSURE.
8) REFER TO FLOOR PLANS FOR LOCATION OF SUITE CONNECTING DOORS.
9) RUBBER THRESHOLDS AT ENTRY DOORS & CONNECTING DOORS TO HAVE 1/4" CHAMFERED EDGES AS SHOWN ON DETAIL A-401.
10) PROVIDE MARBLE THRESHOLD AT BATHROOM DOORS PER DETAIL A-401
11) ALL DOORS ADJACENT TO PERPENDICULAR WALLS TO BE 4" FROM FACE OF STUD UNLESS NOTED OTHERWISE.
12) ALL DOORS AND SMOKE/FIRE SEALS ARE TO COMPLY WITH LOCAL FIRE CODES AND REGULATIONS.
13) SILENCERS PROVIDED ON ALL DOORS WHERE NOT ALREADY REQUIRED TO HAVE SMOKE/FIRE SEALS.
14) VERIFY LOCAL CODES AND REGULATIONS FOR REQUIREMENTS FOR FIRE DOOR ASSEMBLIES, GLAZING REQUIREMENTS AND HARDWARE.
15) VERIFY LOCAL CODES AND REGULATIONS FOR ACCESSIBILITY AND SIGNAGE REQUIREMENTS FOR DOORS AND HARDWARE.
16) EXTERIOR DOORS WITH GLAZING TO BE INSULATED GLASS.

FINISHES NOTES

1) MOISTURE RESISTANT GYPSUM BOARD ON WALLS AND CEILINGS.
2) ALL ELECTRICAL OUTLET BOXES ARE TO BE ATTACHED TO STUDS, ALMOND COLOR
3) MOISTURE RESISTANT GYPSUM BACKER BOARD AT BATHTUB AND SHOWER.
4) WALL VINYL IS OPTIONAL.
5) CARPET IS OPTION

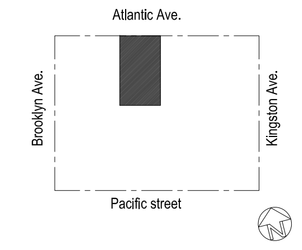
ABBREVIATIONS

ACT	- ACOUSTIC CEILING TILE
CC	- CARPET
CT	- CERAMIC TILE
GYP. BD.	- GYPSUM BOARD
KNOCKDOWN	- TYPE & GRADE OF TEXTURED PAINT
QUARRY	- QUARRY TILE FLOORING
VCT	- VINYL COMPOSITION TILE
VWC	- VINYL WALL COVERING
SC	- SEALED CONCRETE
WD	- WOOD
STRUCT.	- CEILING AT UNDERSIDE OF FLOOR / ROOF ASSEMBLY

DOB APPROVAL STAMP

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KEY PLAN:



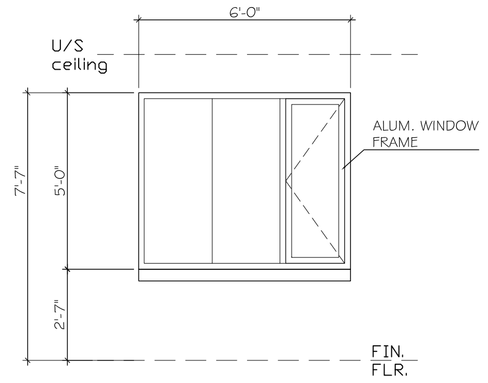
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BROOKLYN, NEW YORK

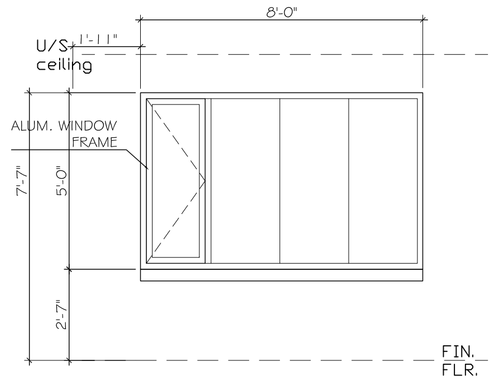
DOOR & FINISHES SCHEDULES

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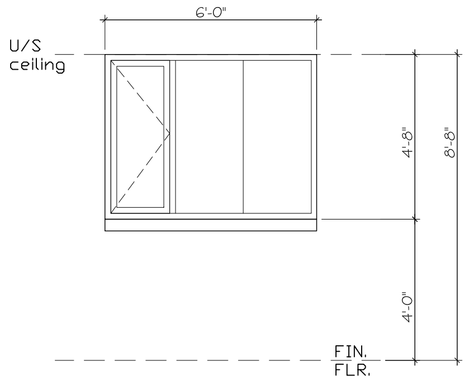
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PROJECT No:	201401
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DWG No:	A-402.00
PAGE No:	16 of 29



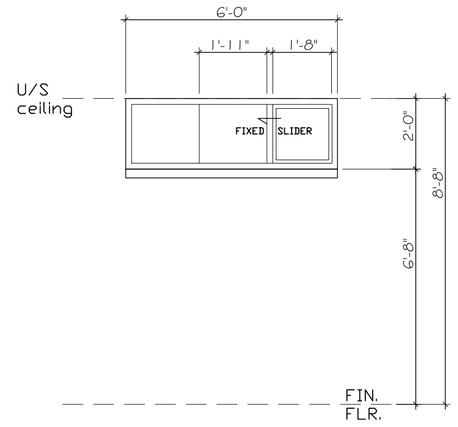
1 1ST - 5TH BULKHEAD WINDOW



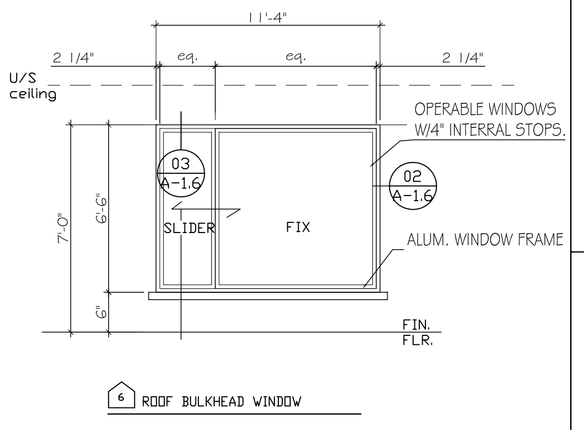
2 2ND - 5TH FLOOR WINDOW



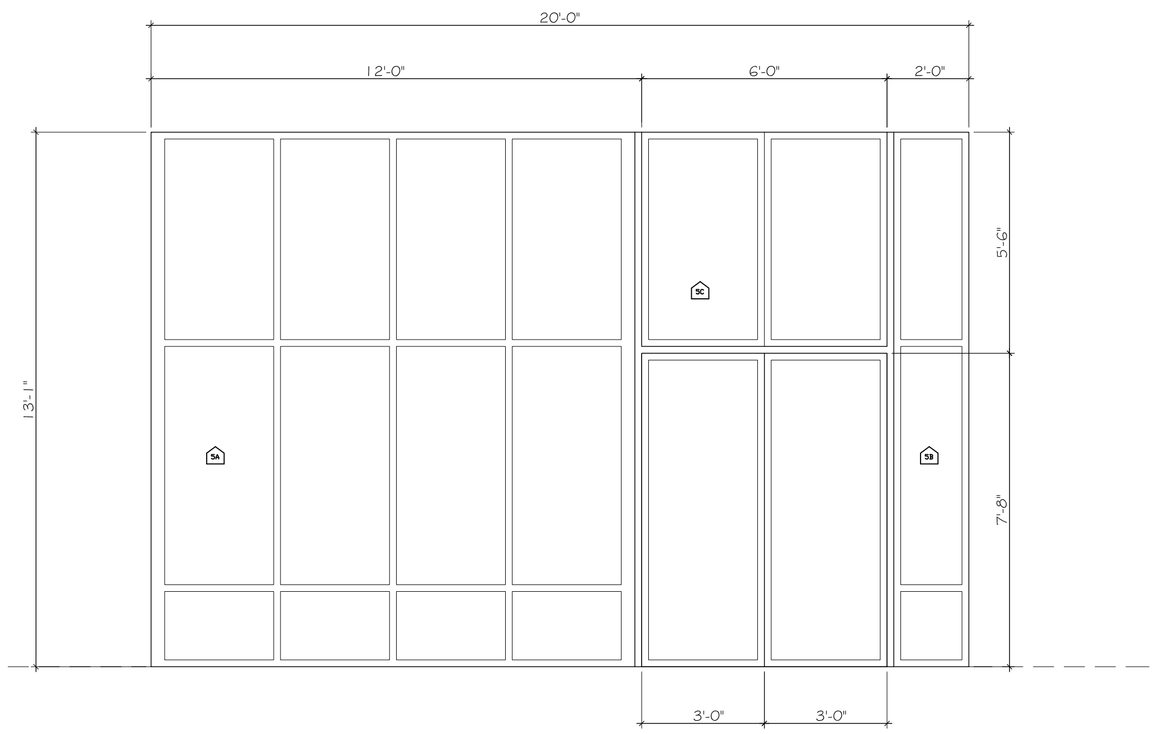
3 CELLAR FLOOR WINDOW



4 CELLAR FLOOR WINDOW



6 ROOF BULKHEAD WINDOW



5 FRONT DOOR / LOBBY

WINDOW PERFORMANCE SCHEDULE:

TYPE	DESCRIPTION	R.O./M.O.	GLASS TYPE	U-FACTOR	SHGC	AIR LEAKAGE	NOTES
1	ALUM-FRAMED CASEMENT WINDOW	6'-0" X 5'-0"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
2	ALUM-FRAMED CASEMENT WINDOW	8'-0" X 5'-0"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
3	ALUM-FRAMED CASEMENT WINDOW	6'-0" X 4'-8"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
4	ALUM-FRAMED SLIDING WINDOW	6'-0" X 2'-0"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
5A	ALUM-FRAMED FIXED WINDOW	12'-0" X 13'-1"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1, 3
5B	ALUM-FRAMED FIXED WINDOW	2'-0" X 13'-1"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1, 3
5C	ALUM-FRAMED FIXED WINDOW	6'-0" X 5'-6"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1, 3

DOOR PERFORMANCE SCHEDULE:

170A	ALUM-FRAMED DOUBLE SLIDING DOORS	(2)3'-0" X 7'-8"	LOW-E, CLEAR	0.64	0.85	≤ 0.09 CFM/SF	1, 2
51 / 52	INSULATED METAL DOORS	3'-0" X 7'-0"		0.42			
5	ALUM-FRAMED DOUBLE SWING DOORS	(2)3'-0" X 7'-7"	LOW-E, CLEAR	0.64	0.85	≤ 0.09 CFM/SF	1, 2

WINDOW NOTES:

1. AIR LEAKAGE: PROVIDE FLASHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING/WINDOW FRAME JOINTS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING WALL SYSTEM

2. AIR LEAKAGE: PROVIDE FLASHING, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING / SKYLIGHT FRAME TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING ROOF SYSTEM.

3. SEE DWG# A-401, A-402 FOR DETAILED WINDOW ELEVATIONS.

4. MANUFACTURER'S AIR INFILTRATION RATES BASED ON 6.24 PSF (300 PA) STATIC PRESSURE DIFFERENTIAL, TESTED PER ASTM E 283.

DOOR NOTES:

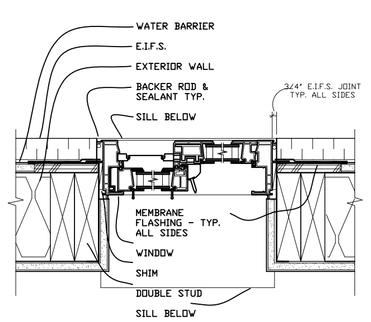
1. AIR LEAKAGE: PROVIDE FLASHING, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING / DOOR FRAME JOINTS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING WALL SYSTEM.

2. SEE DWG# A-401 FOR DETAILED ENTRY DOOR ELEVATIONS. DOORS WILL BE FIELD-FITTED WITH WEATHER-STRIPPING PER ECC SECTION 502.4.1.

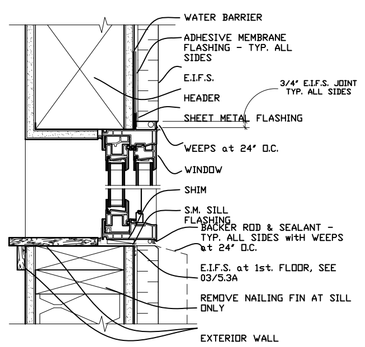
WINDOW NOTES:

1) VERIFY ALL ROUGH OPENING DIMENSIONS AS REQUIRED TO MATCH DOOR & WINDOW SIZES SHOWN.
2) ALL STOREFRONT & WINDOWS LOCATED ON EXTERIOR WALLS SHALL HAVE INSULATING GLAZING.
3) GUEST ROOM WINDOWS REQUIRED TO BE OPERABLE W/ INTEGRAL STOPS
4) OPERABLE WINDOWS SHALL HAVE SCREENS BY MFR. - TYPICAL
5) T = TEMPERED GLAZING and PER CODE REQUIREMENTS
6) TYPE "O" & "R" ARE AUTOMATIC SLIDING ENTRY DOOR OPTIONS FOR "N" & "P" SWING DOORS.

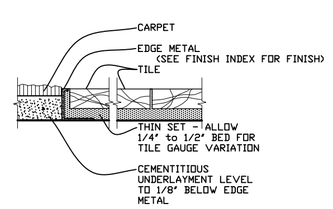
01 WINDOW TYPES



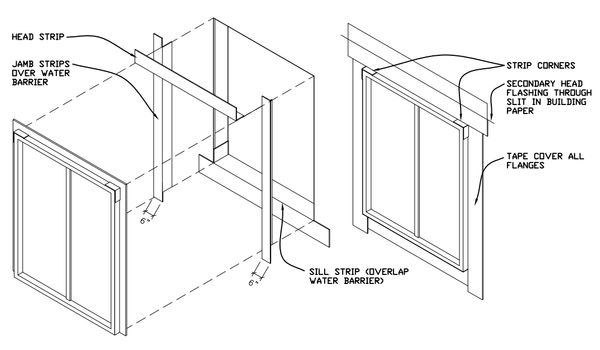
02 JAMB DETAIL N.T.S.



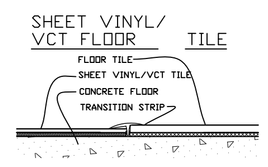
03 HEAD / SILL N.T.S.



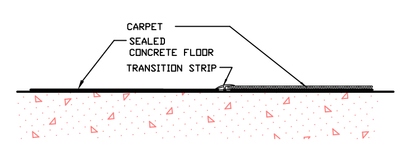
04 CARPET - TILE DETAIL N.T.S.



05 WINDOW FLASHING DETAIL NTS



06 TILE/ VCT TRANSITION N.T.S.

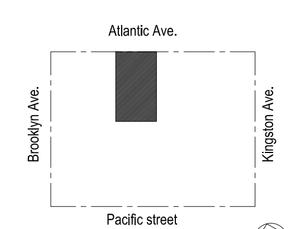


07 CONCRETE/CARPET TRANSTION N.T.S.

DOB APPROVAL STAMP

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KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

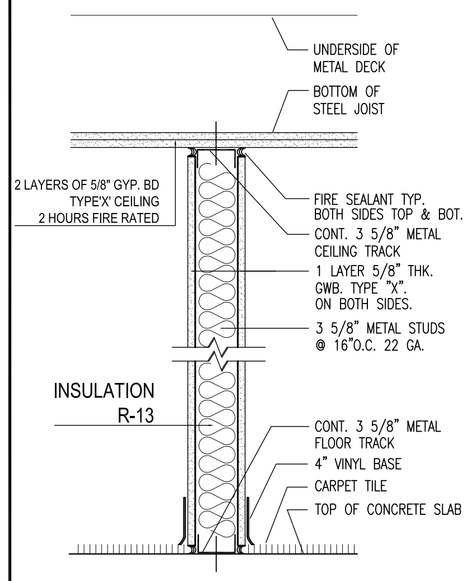
WINDOW SCHEDULE

SEAL & SIGNATURE:

DATE:	01-23-14
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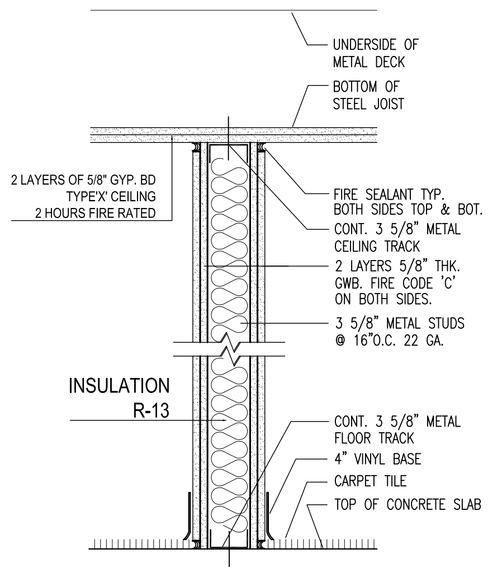
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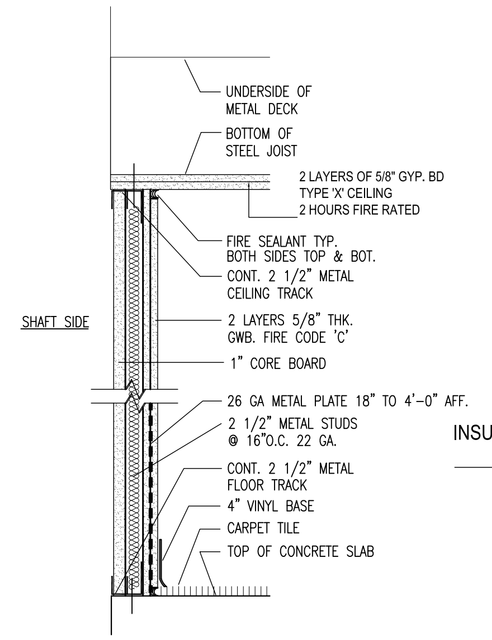
1 1 HR. RATED PARTITION

GA FILE TYPE: WP 1035 (t)*
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UL-R-11270-1, -2, 1-21-85
Design U442
SOUND TEST: SA-840313, 3-9,84
STC RATING: 50 STC



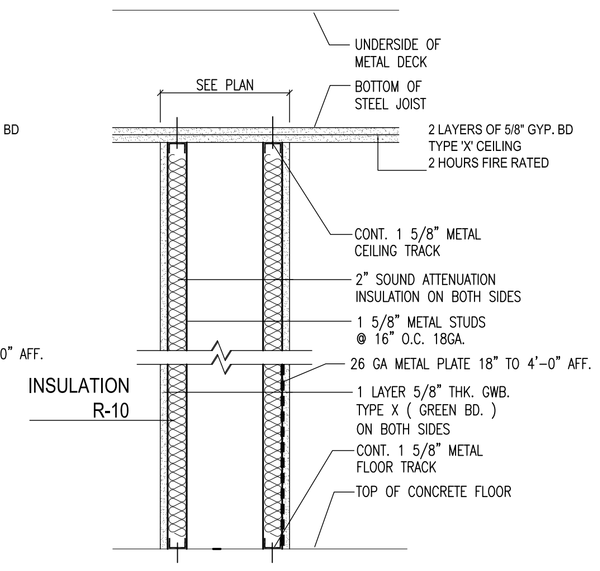
2 2 HR. RATED PARTITION

GA FILE TYPE: WP 1548
FIRE TEST: WHI, 495-0236, 1-30-80
SOUND TEST: WHI, 218-1, 6-11-80
STC RATING: 50 STC



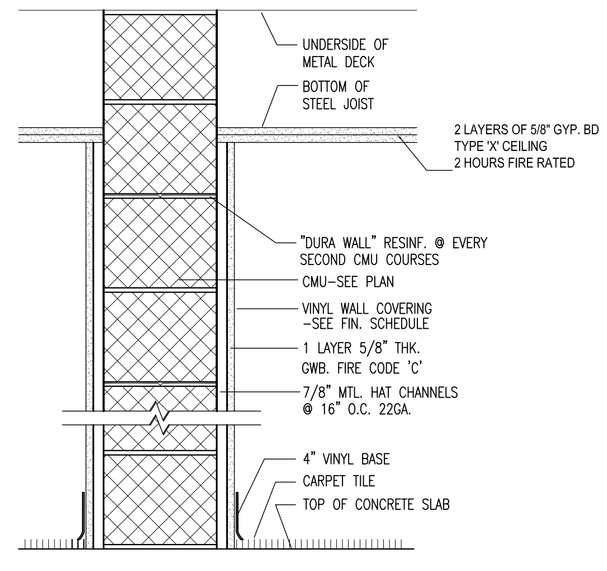
3 2 HR. RATED SHAFT WALL (MASONRY EQUIVALENT)

GA FILE TYPE: WP 7055 (b, w) *
FIRE TEST: WHI 495-105, 2-21-78
WHI 495-111, 3-7-78
SOUND TEST: WHI FI, 3-13-78
STC RATING: 50 STC



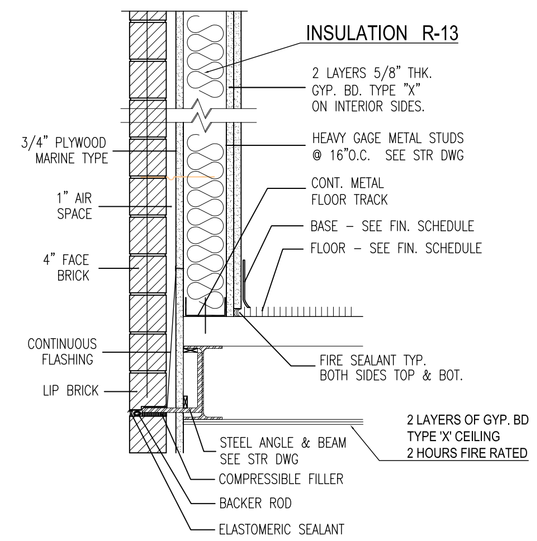
4 2 HR. RATED CHASE WALL (MASONRY EQUIVALENT)

GA FILE TYPE: WP 5110
FIRE TEST: UC, 4-25-61
FIELD SOUND TEST: ACI 109006c 6-29-64
STC RATING: 55 STC



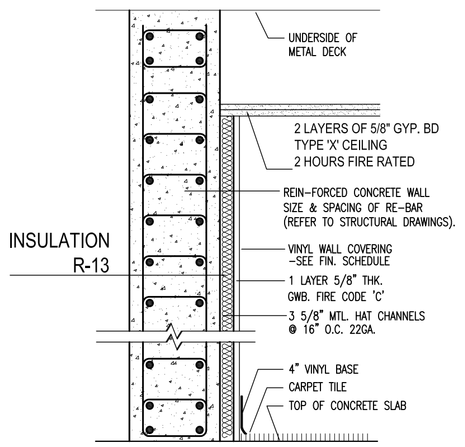
5 FURRING WALL @ CMU ON BOTH SIDES

GA FILE TYPE: WP 8410
FIRE TEST: UL R1505-1, 2, 4-22-65
Design U302
ULC Design U302



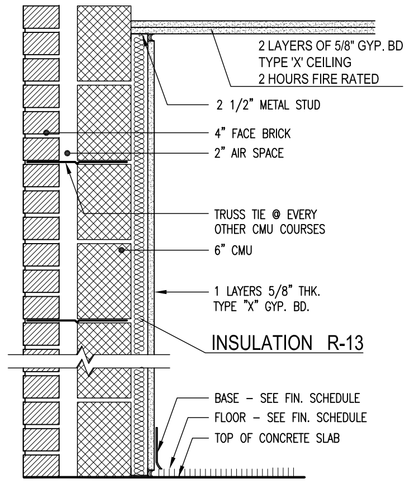
12 3 HR. RATED EXTERIOR WALL FACEBRICK / SHEETROCK

SOUND RATING: 55 STC



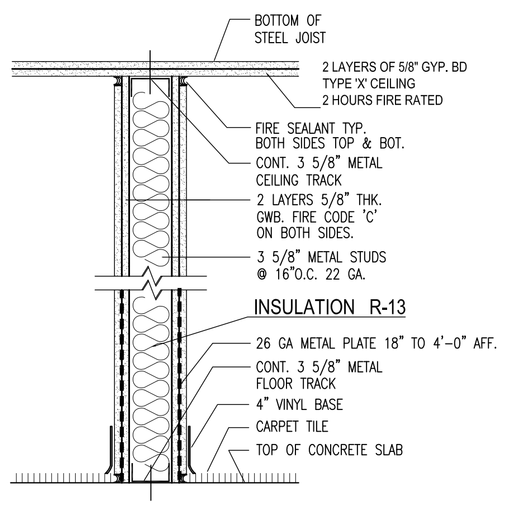
(EXTERIOR WALL)
6 REINFORCED CONCRETE WALL

GA FILE TYPE: WP 8410
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Design U302
ULC Design U302
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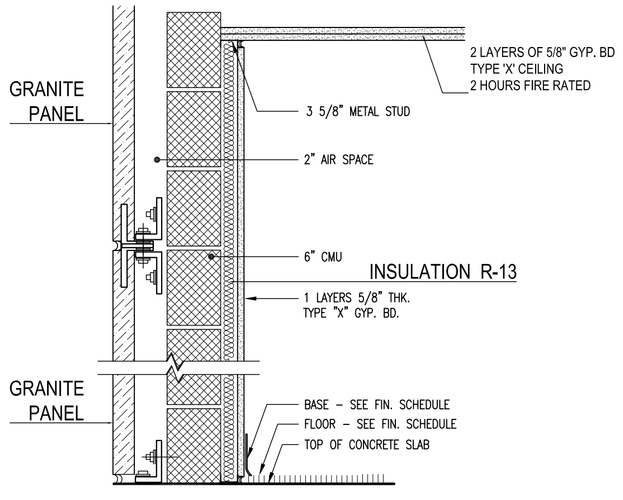
(EXTERIOR WALL)
7 EXTERIOR MASONRY WALL (3 HR RATED)

GA FILE TYPE: WP 5110
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FIELD SOUND TEST: ACI 109006c 6-29-64
STC RATING: 55 STC



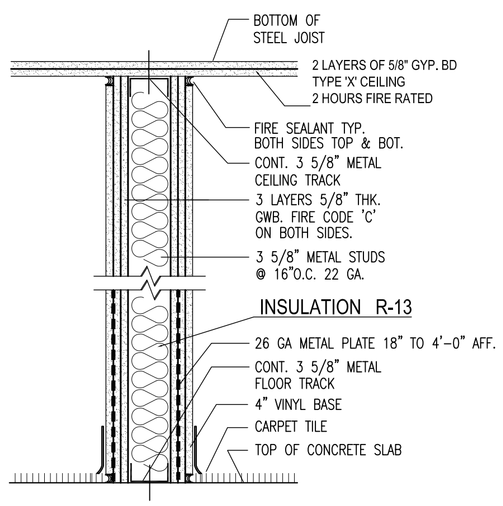
8 2 HR. RATED PARTITION (MASONRY EQUIVALENT)

GA FILE TYPE: WP 1548
FIRE TEST: WHI, 495-0236,1-30-80
SOUND TEST: WHI, 218-1, 6-11-80
SOUND RATING: 50 STC



(EXTERIOR WALL)
9 GRANITE PANEL ON CMU (3 HR RATED)

STC RATING: 55 STC



10 3 HR. RATED PARTITION

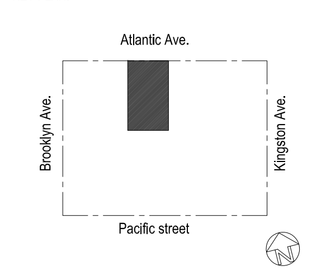
GA FILE TYPE: WP 2800 (t) *
FIRE TEST: UL R1319-138, 139, 5/27/82
DESIGN U435
SOUND TEST: FSTC SA-830112
SOUND RATING: 55 STC

LEGEND:

1		NEW PARTITION W/ 1 LAYER 5/8" GYP. BD. TYPE 'X' ON BOTH SIDE OF 2X4 METAL STUDS 16" O.C. 1HR FIRE RATED BSA CODE = WP1035(t)*	6		NEW STAIRS ENCLOSURE WALL. 2 LAYERS OF 5/8" GYP. BD TYPE "X" W/26 GA METAL PLATE 18" TO 4'-0" AFF, ON BOTH SIDES OF 2X4 METAL STUDS @ 16" O.C. EQUIVALENT TO 2HR FIRE RATED MASONRY WALL
2		NEW PARTITION W/ 2 LAYER 5/8" GYP. BD. TYPE 'X' ON BOTH SIDE OF 2X4 METAL STUDS 16" O.C. 2HR FIRE RATED BSA CODE = WP1548	9		GRANITE PANEL ATTACHED ON OUTSIDE OF CMU WALL
3		MECHANICAL SHAFT WALL. 2 HR FIRE RATED BSA CODE = WP 7055 (b,w,)* EQUIVALENT TO 2HR FIRE RATED MASONRY WALL	10		3 LAYERS OF 1/2" TYPE X GYPSUM BOARD 1 5/8" METAL STUDS 24" O.C. 3 HOUR5 FIRE RATED BSA CODE = WP 2800(*)
4		NEW PARTITION W/ 2 LAYER 5/8" GYP. BD. TYPE 'X' ON BOTH SIDE OF 2X6 METAL STUDS 16" O.C. 2HR FIRE RATED (PLUMBING CHASE WALL) 2 HR FIRE RATED BSA CODE = WP 5110. EQUIVALENT TO 2HR FIRE RATED MASONRY WALL	11		EXTERIOR WALL. 2 LAYERS OF 5/8" GYP. BD TYPE "X" W/26 GA METAL PLATE 18" TO 4'-0" AFF, ON BOTH SIDES OF 2X4 METAL STUDS @ 16" O.C. WITH GLASS PANEL ATTACHED ON OUTSIDE
5		8" CMU WALL. 2 HOUR FIRE RATED. (542-62-SM)	12		EXTERIOR WALL. 2 LAYERS OF 5/8" GYP. BD TYPE "X" W/26 GA METAL PLATE 18" TO 4'-0" AFF, ON BOTH SIDES OF 2X4 METAL STUDS @ 16" O.C. WITH BRICK ATTACHED ON OUTSIDE
6		REINFORCED CONCRETE WALL. 3HR FIRE RATED.		S	SMOKE DETECTOR WITH HARDWIRED CARBON MONOXIDE DETECTOR COMPLY WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH RS 17-14.
7		BRICK ON CMU WALL. 3 HOUR FIRE RATED.			EXIT LIGHT W/ SIGN. COMPLY W/ B.C. SECT. 27-232.

DOB APPROVAL STAMP

KEY PLAN:



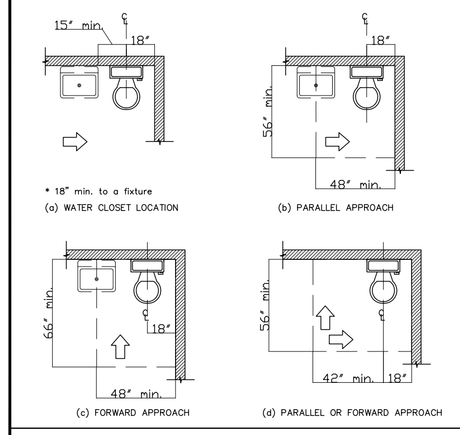
REV.#	DATE	DESCRIPTION

PROJECT TITLE:
1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

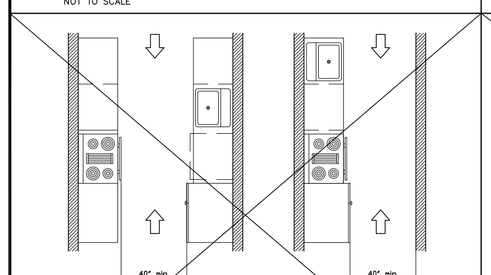
WALL DETAILS

SEAL & SIGNATURE:

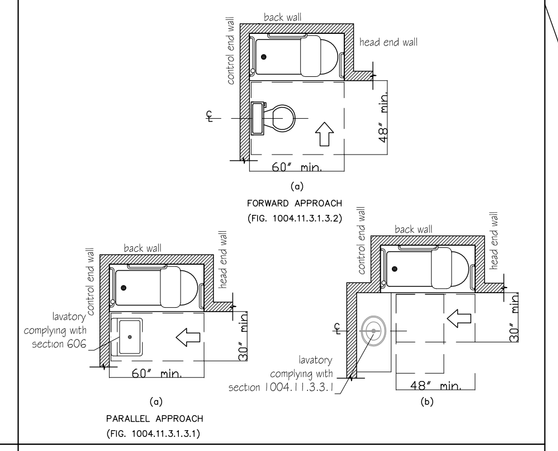
DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-404.00
PAGE No:	18 of 29



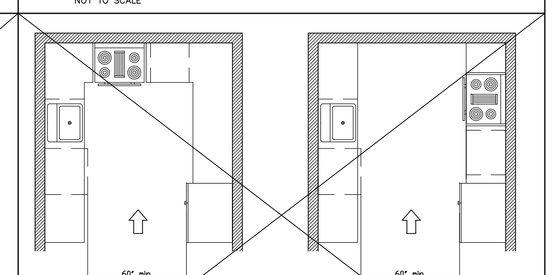
WATER CLOSETS IN TYPE B UNITS (FIG. 1004.11.3.1.2)
NOT TO SCALE



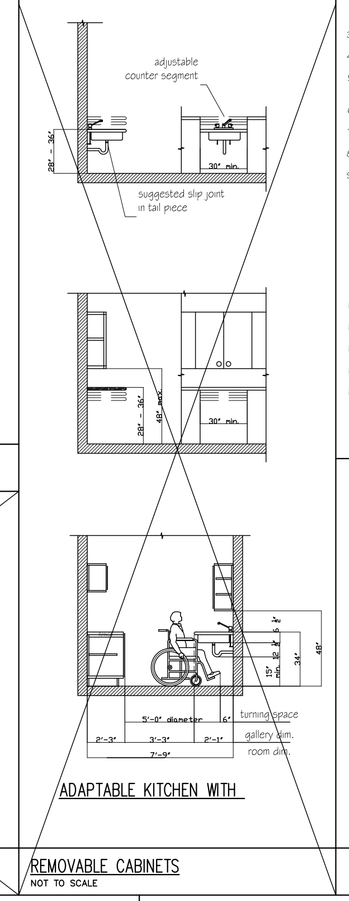
PASS-THROUGH KITCHEN CLEARANCE (Fig. 804.2.1)
NOT TO SCALE



BATHTUB IN TYPE B UNITS (FIG. 1004.11.3.1.3)
NOT TO SCALE



U-SHAPED KITCHEN CLEARANCE (Fig. 804.2.2)
NOT TO SCALE



ADAPTABLE KITCHEN WITH REMOVABLE CABINETS
NOT TO SCALE

HANDICAPPED ADAPTABILITY NOTES

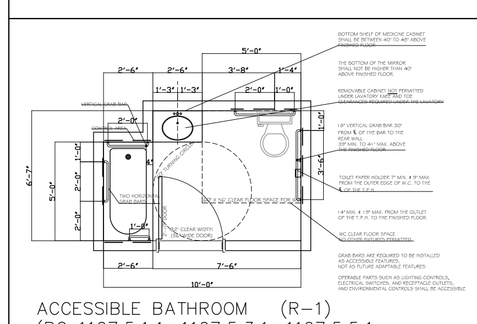
1. ALL DETAILS AND GENERAL NOTES PERTAINING TO HANDICAPPED ADAPTABILITY SHALL SUPERSEDE OTHER DETAILS AND NOTES HEREIN.
2. ALL COMPONENTS OF SPACES REQUIRED TO COMPLY WITH HANDICAPPED ADAPTABILITY NOT COVERED BY THE SCOPE OF THESE DOCUMENTS SHALL ALSO COMPLY WITH REQUIREMENTS OF 905-4.2. THIS INCLUDES (BUT IS NOT LIMITED TO) INTERIOR FINISHES, CONTROLS FOR BATHROOM, KITCHEN AND HVAC APPLIANCES AND FOR LIFTS AND ELEVATORS; AND HARDWARE FOR DOORS, WINDOWS AND STORAGE AREAS.
3. DOORWAYS INTENDED FOR USER PASSAGE SHALL HAVE A MINIMUM CLEAR OPENING OF 32 IN. WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP.
4. THE DOOR AND DOOR BUCK AT THE BATHROOM(S) SHALL BE DESIGNED AND CONSTRUCTED SO THAT REMOUNTING THE HINGES IS THE ONLY CHANGE REQUIRED TO SWING THE DOOR OUT.
5. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED ¼ IN. IN HEIGH FOR EXTERIOR RESIDENTIAL SLIDING DOORS OR ½ IN. FOR OTHER TYPES OF DOORS. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 1:2.
6. IN DWELLING UNITS THE HEIGHT OF THE WATER CLOSETS SHALL BE AT LEAST 15 IN. AND NO MORE THAN 19 IN. MEASURED TO THE TOP OF THE TOILET SEAT.
7. STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS IN THE LOCATIONS SHOWN IN THE DETAILS.
8. IF A CABINET IS PROVIDED UNDER THE LAVATORY, IT SHALL BE EASILY REMOVABLE FOR A WIDTH OF 30 IN. FINISHED FLOORING SHALL EXTEND UNDER THIS AREA TO THE WALL.
9. THE SINK AND SURROUNDING COUNTER IN ADAPTABLE DWELLING UNITS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
   (a) THE SINK AND SURROUNDING COUNTER SHALL BE ADJUSTABLE OR REPLACEABLE AS A UNIT AT VARIABLE HEIGHTS BETWEEN 28 IN. AND 36 IN. MEASURED FROM THE FINISHED FLOOR TO THE TOP OF THE COUNTER SURFACE OR SINK RIM. OR SHALL BE MOUNTED AT A FIXED HEIGHT NO GREATER THAN 34 IN. MEASURED FROM THE FINISHED FLOOR TO THE TOP OF THE COUNTER SURFACE OR SINK RIM.
   (b) WHERE SINKS ARE INSTALLED TO BE ADJUSTABLE IN HEIGHT, ROUGHING PLUMBING SHALL BE LOCATED TO ACCEPT CONNECTIONS OF SUPPLY AND DRAINPIPES FOR SINKS MOUNTED AT THE HEIGHT OF 28 IN.
   (c) BASE CABINETS, IF PROVIDED, SHALL BE REMOVABLE UNDER THE FULL 30 IN. MINIMUM FRONTAGE OF THE SINK AND SURROUNDING COUNTER. THE FINISHED FLOORING SHALL EXTEND UNDER THE COUNTER TO THE WALL.
   (d) COUNTER THICKNESS AND SUPPORTING STRUCTURE SHALL BE 2 IN. MAXIMUM OVER THE REQUIRED CLEAR SPACE.
   (e) THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS. HOT WATER PIPES AND DRAINPIPES UNDER SINKS SHALL BE INSULATED OR OTHERWISE COVER.
10. OVERHEAD KITCHEN CABINETS (EXCEPT OVER STOVES, COOK TOPS AND PASS-THROUGHS) SHALL BE INSTALLED SO AS TO BE EASILY LOWERED TO A HEIGHT OF 48 IN. FROM FINISHED FLOOR TO TOP OF LOWEST SHELF.
11. IF A MEDICINE CABINET IS PROVIDED ABOVE THE LAVATORY, THEN THE BOTTOM OF THE MEDICINE CABINET SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 IN. ABOVE THE FLOOR.
12. AN IN-TUB SEAT OR A SEAT AT THE HEAD END OF THE TUB SHALL BE PROVIDED IN BATHTUBS. SEATS SHALL BE MOUNTED SECURELY AND SHALL NOT SLIP DURING USE.
13. A SEAT SHALL BE PROVIDED IN SHOWER STALLS (SEE DETAIL). THE SEAT SHALL BE MOUNTED 17 IN. TO 19 IN. FROM THE BATHROOM FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE STALL. THE SEAT SHALL BE ON THE WALL OPPOSITE THE CONTROLS.
14. A SHOWER SPRAY UNIT SHALL BE PROVIDED WITH A HOSE AT LEAST 60 IN. LONG THAT CAN BE USED AS A FIXED SHOWER HEAD OR AS A HANDHELD SHOWER. IF AN ADJUSTABLE-HEIGH SHOWER HEAD MOUNTED ON A VERTICAL BAR USED, THE BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF GRAB BARS.
15. THE 30 IN. KITCHEN WORK SURFACE SHOWN ON THE PLANS SHALL PROVIDE A WORK SURFACE THAT COMPLIES WITH THE FOLLOWING REQUIREMENTS:
   (a) THE COUNTER SHALL BE ADJUSTABLE OR REPLACEABLE AS A UNIT AS VARIABLE HEIGHTS BETWEEN 28 IN. AND 36 IN. MEASURED FROM THE FLOOR TO THE TOP COUNTER SURFACE. OR SHALL BE MOUNTED AT A FIXED HEIGHT, NO GREATER THAN 34 IN. MEASURED FROM THE FLOOR TO THE TOP OF THE COUNTER SURFACE.
   (b) BASE CABINETS, IF PROVIDED, SHALL BE REMOVABLE UNDER THE FULL 30 IN. MINIMUM FRONTAGE COUNTER. THE FINISHED FLOOR SHALL EXTEND COUNTER TO THE WALL.
   (c) COUNTER THICKNESS AND SUPPORTING STRUCTURE SHALL BE 2 IN. MAXIMUM OVER THE COUNTER TO THE WALL.
   (d) THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SUCH COUNTERS.
16. WASHING MACHINES AND CLOTHES DRYERS IN COMMON-USE LAUNDRY ROOMS SHALL BE FRONT-LOADING.
17. CLOTHES RODS SHALL BE A MAXIMUM OF 54 IN. FROM THE FLOOR OR SHALL BE EASILY ADJUSTABLE TO THIS HEIGHT.
18. CHANGES IN GROUND LEVEL UP TO ¼ IN. MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. CHANGES IN LEVEL BETWEEN ¼ IN. AND ½ IN. SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
19. DOORS TO HAZARDOUS AREAS SHALL BE MADE IDENTIFIABLE TO THE TOUCH BY A TEXTURED SURFACE ON THE DOOR HANDLE, KNOB, PULL OR OTHER OPERATING HARDWARE. THIS TEXTURED SURFACE MAY BE MADE CONTACT SURFACE. (HAZARDOUS AREAS INCLUDE LOADING PLATFORMS, BOILER ROOMS, STAGES, ETC.).
20. DETECTABLE WARNING TEXTURES ON WALKING SURFACES AS SHOWN ON PLANS SHALL CONSIST OF EXPOSED AGGREGATE CONCRETE, CUSHIONED SURFACES MADE OF RUBBER OR PLASTIC, RAISED STRIPS, OR GROOVES. TEXTURES SHALL CONTRAST WITH THAT OF THE SURROUNDING SURFACE RAISED STRIPS OR GROOVES SHALL COMPLY WITH 905-4.4. GROOVES MAY BE USED INDOORS ONLY.
21. AUDIBLE EMERGENCY ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING EQUIVALENT SOUND LEVEL IN THE ROOM OR SPCE BY AT LEAST 15 DECIBELS OR EXCEEDS ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 30 SECONDS BY 5 DECIBELS, WHICHEVER IS LOUDER SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DECIBELS.
22. VISUAL ALARMS SHALL BE FLASHING LIGHTS ARRANGED TO FLASH IN CONJUCTION WITH THE AUDIBLE EMERGENCY ALARMS. THE FLASHING FREQUENCY OF VISUAL ALARMS SHALL BE APPROXIMATELY 1 HZ. SPECIALIZED SYSTEMS USING ADVANCED TECHNOLOGY MAY BE HANDICAPPED USERS-OF THE BUILDING OR FACILITY.
23. SENSORY ALARMS PROVIDED FOR PERSONS WITH HEARING IMPAIRMENTS SHALL BE CONNECTED TO THE BUILDING EMERGENCY SYSTEM OR THERE SHALL BE A STANDARD 110 VOLT ELECTRICAL RECEPTACLE INTO WHICH AN ALARM UNIT CAN BE CONNECTED TO BE ACTIVATED BY THE BUILDING ALARM SYSTEM! INSTRUCTIONS FOR USE OF THE AUXILIARY ALARM OR CONNECTIONS SHALL BE PROVIDED.
24. THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATIONS:
   (a) BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LBF (1 I 2N) SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
   (b) SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 LBF (1 I 2N) SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. IF THE CONNECTION BETWEEN THE GRAB BAR OR SEAT AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.
   (c) SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF (1 I 2N) SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
   (d) TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT FROM THE APPLICATION OF 250 LBF (1 I 2N) SHALL BE LESS AND THE SUPPORTING STRUCTURE.
   (e) GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTING.

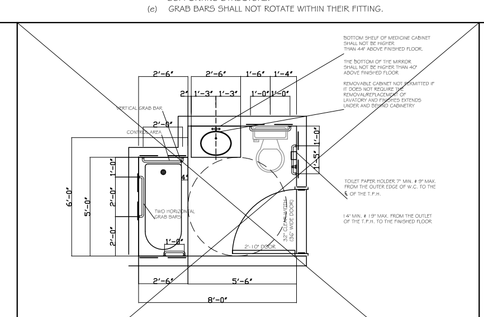
ROOM TYPE

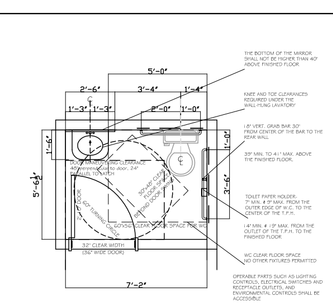
	KING	D/D	ADA	TOTAL
CEL. FL.	5	1	0	6
1ST FL.	9	1	0	10
2ND FL.	10	1	1	12
3RD FL.	10	1	1	12
4TH FL.	10	1	1	12
5TH FL.	4	2	1	7
	49	6	4	59
	83%	10%	7%	100%

ANSI-A 117.1 TABLE 1107.6.1.1
ROOM 50 TO 75, 4 ADA ROOM REQ'D.
PROPOSED ROOM = 59, 4 ADA ROOMS REQ'D
(4 ADA ROOM PROVIDED ON 2ND, 3RD, 4TH, 5TH FLOOR)

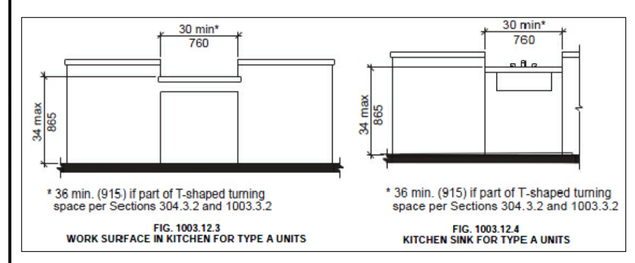
TABLE 224.4 GUESTROOMS WITH COMMUNICATION FEATURE
ROOM 51 TO 75, 7 HEARING IMPAIRED ROOM REQ'D
PROPOSED HEARING IMPAIRED ROOM = 7.
(1 ON CELLAR, 2 ON 3RD, 4TH FLOOR, 2 ON 5TH FLOOR.)

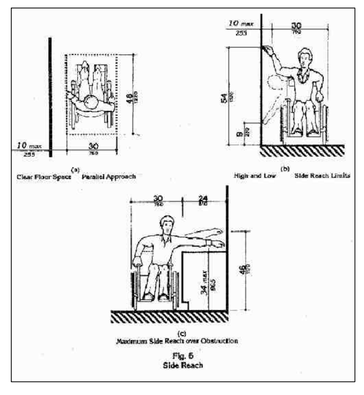


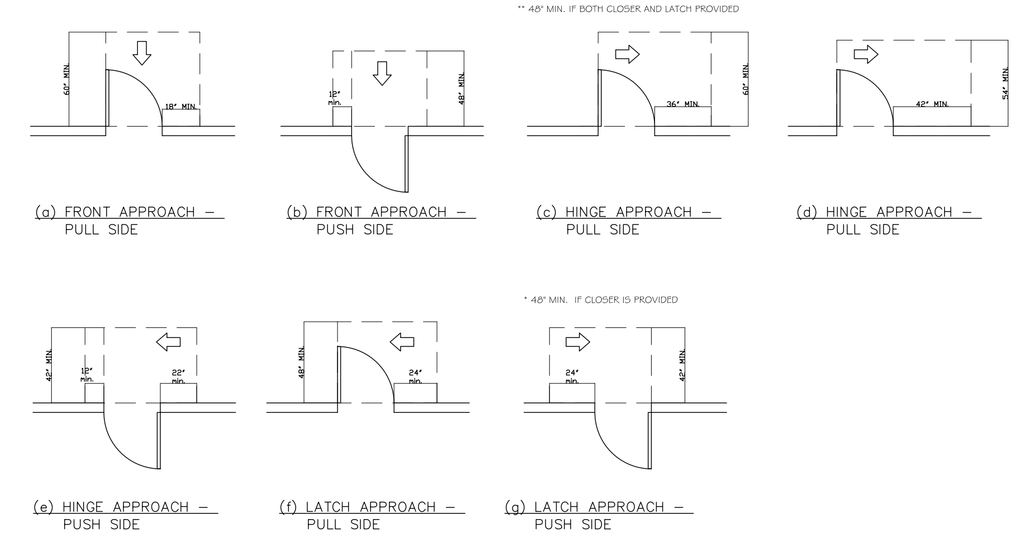


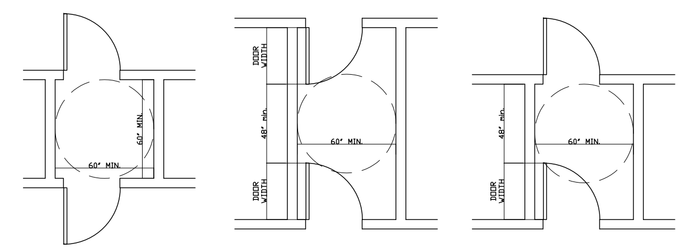


BATHROOM LAYOUT
NOT TO SCALE

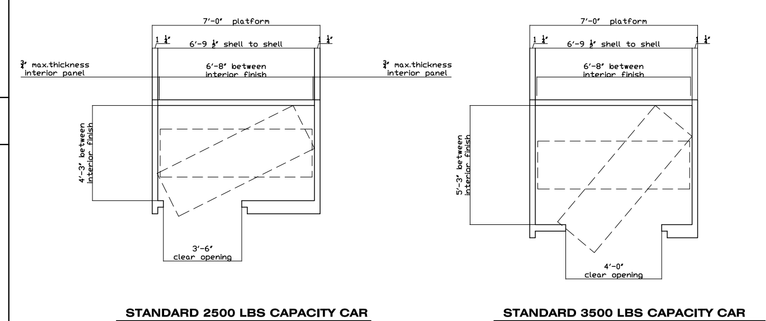




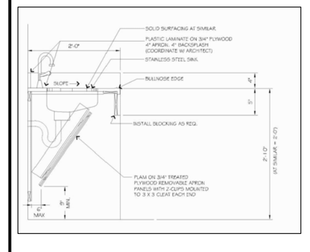


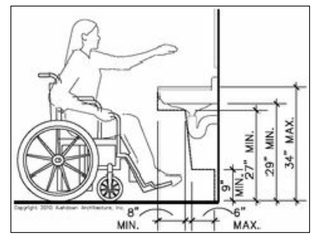


TWO DOORS IN A SERIES (Fig. 404.2.5)
NOT TO SCALE

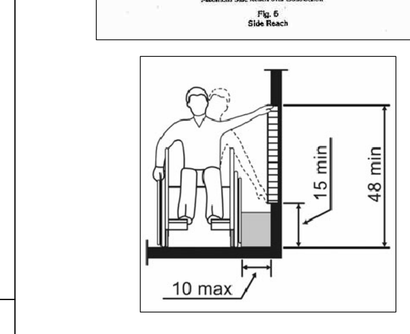


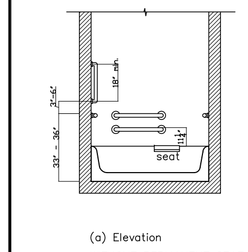
ELEVATOR CLEARANCE
NOT TO SCALE

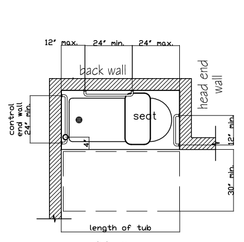


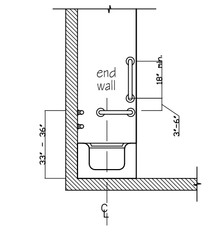


SINK DETAIL
NOT TO SCALE

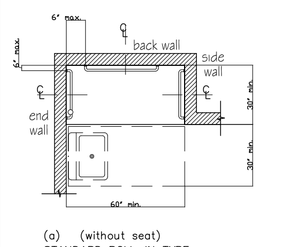


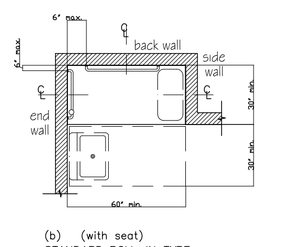


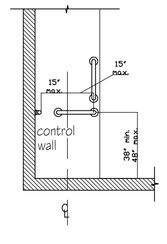


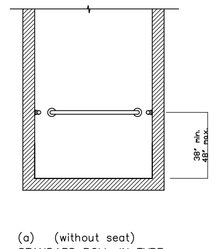


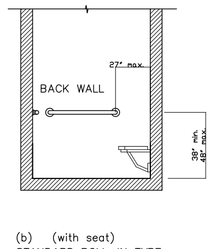
GRAB BARS FOR BATHTUBS WITHOUT PERMANENT SEAT
NOT TO SCALE





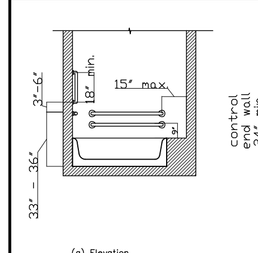


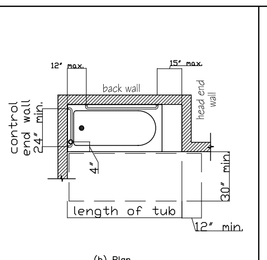




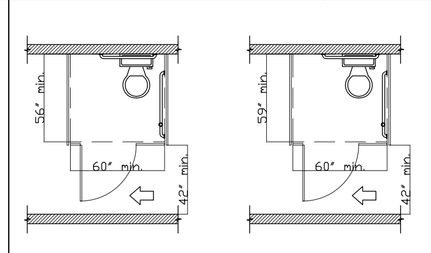
SHOWER COMPARTMENT SIZE AND CLEARANCE
NOT TO SCALE

MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS (Fig. 404.2.3.1)
NOT TO SCALE

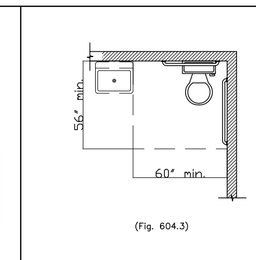




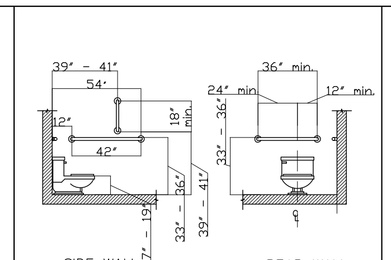
GRAB BARS FOR BATHTUBS WITH PERMANENT SEAT
NOT TO SCALE



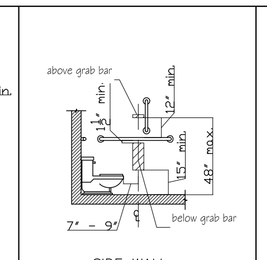
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS (Fig. 604.8.2)
NOT TO SCALE



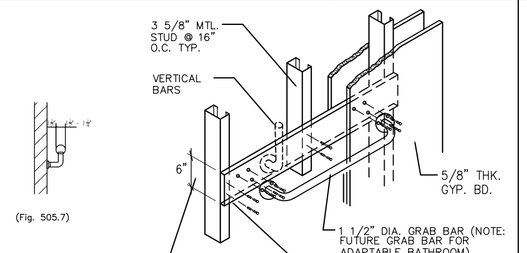
SIZE OF CLEARANCE FOR WATER CLOSET
NOT TO SCALE



ADAPTABLE WATER CLOSET
NOT TO SCALE

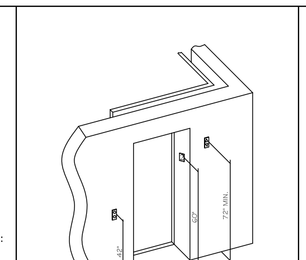


DISPENSER LOCATION
NOT TO SCALE (Fig. 604.7)

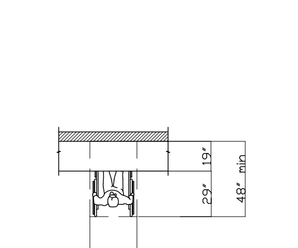


GRAB BAR DETAIL
NOT TO SCALE

METAL PLATE DETAIL FOR GRAB BAR
NOT TO SCALE



HOISTWAY & ELEVATOR ENTRANCE
NOT TO SCALE

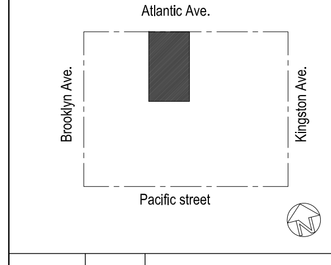


MIN. CLEARENCE FOR SEATING & TABLE
NOT TO SCALE

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DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:
1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

ADA DETAILS

SEAL & SIGNATURE:

DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	A-405.00
PAGE No:	19 of 29

COMcheck Software Version 4.0.0

Envelope Compliance Certificate

Project Information

Energy Code:	2014 New York Energy Conservation Construction Code
Project Title:	
Location:	Kings County, New York
Climate Zone:	4a
Project Type:	New Construction
Vertical Glazing / Wall Area:	14%

Construction Site: 1464 Atlantic ave Brooklyn, NY

Owner/Agent:

Designer/Contractor:

Building Area	Floor Area
1-Hotel : Nonresidential	20556

Additional Efficiency Package

High efficiency HVAC. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor[a]
Roof 1: Insulation Entirely Above Deck, [Bldg. Use 1 - Hotel]	3492	---	20.0	0.048	0.048
WALL- 1 (8"CMU+4" BRICK): Concrete Block:8", Solid Grouted, Normal Density, Furring: Metal, [Bldg. Use 1 - Hotel]	10531	13.0	7.5	0.068	0.104
Window 1: Metal Frame with Thermal Break:Operable, Perf. Specs.: Product ID AND-N84-00519-00001, SHGC 0.32, [Bldg. Use 1 - Hotel] (b)	1500	---	---	0.400	0.550
Window 2: Metal Frame with Thermal Break:Operable, Perf. Specs.: Product ID AND-N-84-00519-00001, SHGC 0.32, [Bldg. Use 1 - Hotel] (b)	320	---	---	0.400	0.550
Window 3: Metal Frame with Thermal Break:Operable, Perf. Specs.: Product ID AND-N-84-00519-00001, SHGC 0.32, [Bldg. Use 1 - Hotel] (b)	168	---	---	0.400	0.550
Window 4: Metal Frame with Thermal Break:Operable, Perf. Specs.: Product ID AND-N-81-00519-00001, SHGC 0.32, [Bldg. Use 1 - Hotel] (b)	24	---	---	0.400	0.550
Window 5: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID AND-N-82-02855-00001, SHGC 0.32, [Bldg. Use 1 - Hotel] (b)	214	---	---	0.400	0.500
Door 1: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID DORMA ESA300, SHGC 0.85, [Bldg. Use 1 - Hotel] (b)	46	---	---	0.640	0.850
Door 2: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID AND-N-100-00776-00001, SHGC 0.85, [Bldg. Use 1 - Hotel] (b)	46	---	---	0.640	0.850
Door 3: Insulated Metal, Swinging, [Bldg. Use 1 - Hotel]	21	---	---	0.420	0.700
WALL- 2 (8" CMU & GRANITE PANEL): Concrete Block:8", Solid Grouted, Normal Density, Furring: Metal, [Bldg. Use 1 - Hotel]	3242	13.0	7.5	0.068	0.104

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor[a]
Basement Wall 1: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht:8.7, Depth B.G. 3.0, [Bldg. Use 1 - Hotel]	3492	13.0	0.0	0.147	0.579
BASEMENT FLOOR: Slab-On-Grade:Unheated, [Bldg. Use 1 - Hotel] (c)	240	---	---	0.730	0.730

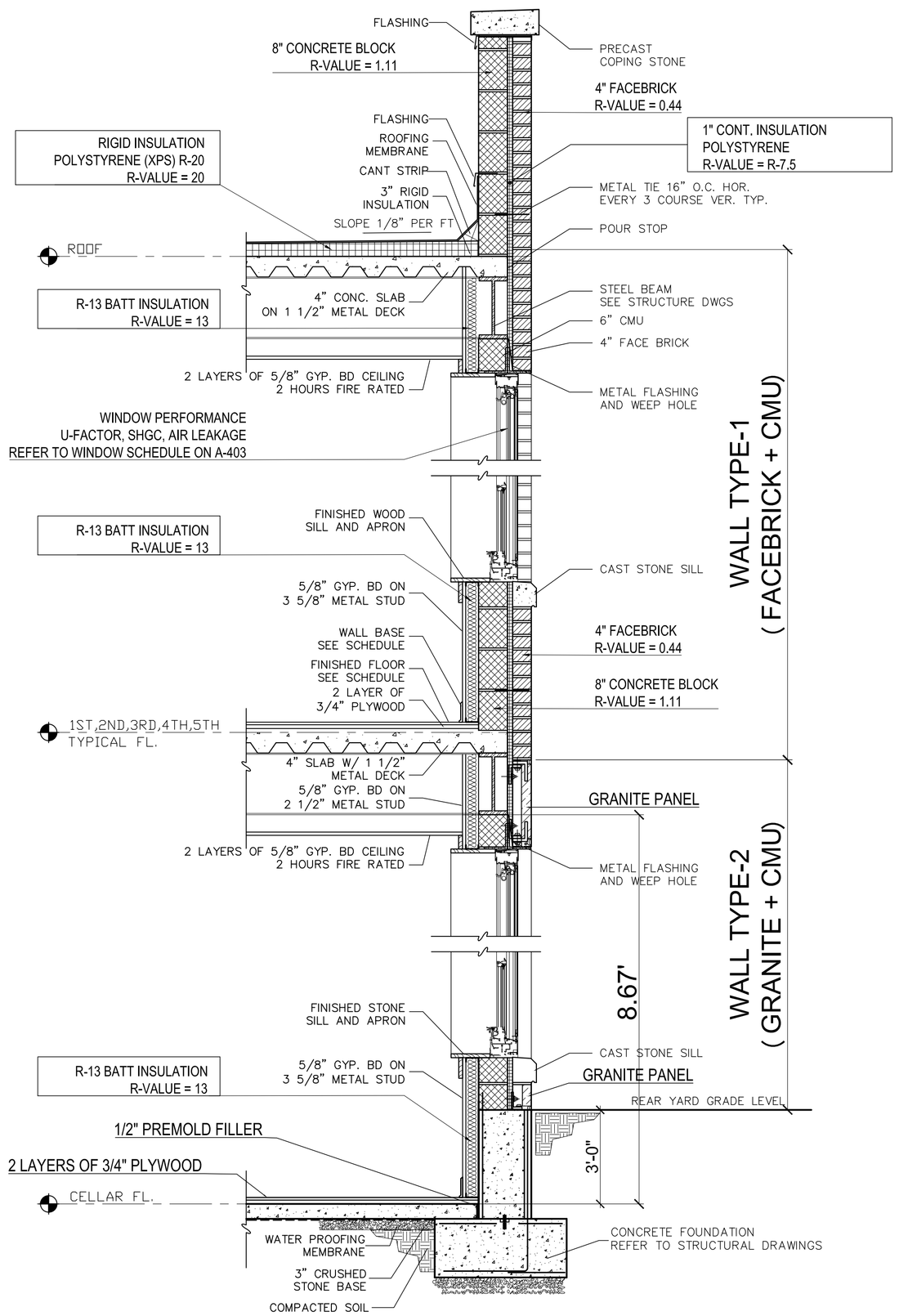
(a) Budget U-factors are used for softw are baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 5% 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 2014 New York Energy Conservation Construction Code requirements in COMcheck Version 4.0.0 and to comply with the mandatory requirements listed in the Inspection Checklist.

Name - Title | Signature | Date



PARTIAL EXTERIOR WALL DETAIL (FACEBRICK / CMU)

TABLE II - PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE - COMMERCIAL BUILDINGS

	INSPECTION / TEST	PERIODIC (MINIMUM)	REFERENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CITATION	THIS INSPECTION REQUIRED YES	THIS INSPECTION REQUIRED NO
IIA	ENVELOPE INSPECTIONS					
IIA.1	PROTECTION OF EXPOSE FOUNDATION INSULATION - INSULATION SHALL BE VISUALLY INSPECTED TO VERIFY PROPER PROTECTION WHERE APPLIED TO THE EXTERIOR OF BASEMENT OR CELLAR WALLS, CRAWL SPACE WALLS AND/OR THE PERIMETER OF SLAB-ON-GRADE FLOORS.	AS REQUIRED DURING FOUNDATION WORK AND PRIOR TO BACKFILL	APPROVED CONSTRUCTION DOCUMENTS	303.2.1; ASHRAE 90.1 - 5.8.1.7	●	○
IIA.2	INSULATION PLACEMENT AND R-VALUES; INSULATED INSULATION FOR EACH COMPONENT OF THE CONDITIONED SPACE ENVELOPE AND AT JUNCTIONS BETWEEN COMPONENTS SHALL BE VISUALLY INSPECTED TO ENSURE THAT THE R-VALUES ARE MARKED, THAT SUCH R-VALUES CONFORM TO THE R-VALUES IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND THAT THE INSULATION IS PROPERLY INSTALLED. CERTIFICATIONS FOR UNMARKED INSULATION SHALL BE SIMILARLY VISUALLY INSPECTED.	AS REQUIRED TO VERIFY CONTINUOUS ENCLOSURE WHILE WALLS, CEILINGS AND FLOORS ARE OPEN	APPROVED CONSTRUCTION DOCUMENTS	303.1, 303.1.1, 303.1.2, 502.1, 502.2; ASHRAE 90.1 -5.5, 5.6 OR 11; 5.8.1	●	○
IIA.3	FENESTRATION THERMAL VALUES AND PRODUCT RATING U-FACTORS AND SHGC VALUES OF INSTALLED FENESTRATION SHALL BE VISUALLY INSPECTED FOR CONFORMANCE WITH THE U-FACTORS AND SHGC VALUES IDENTIFIED IN THE CONSTRUCTION DRAWINGS BY VERIFYING THE MANUFACTURER'S NFRC LABELS OR, WHERE NOT LABELED, USING THE RATINGS IN ECC TABLES 303.1.3(1), (2) AND (3). WHERE ASHRAE 90.1 IS USED, VISIBLE LIGHT TRANSMITTANCE VALUES SHALL ALSO BE VERIFIED.	AS REQUIRED DURING INSTALLATION	APPROVED CONSTRUCTION DOCUMENTS; NFRC 100, NFRC 200	303.1, 303.1.3, 502.3; ASHRAE 90.1 -5.5, 5.6 OR 11; 5.8.2	●	○
IIA.4	FENESTRATION AND DOOR ASSEMBLY PRODUCT RATINGS FOR AIR LEAKAGE: WINDOWS AND SLIDING OR SWINGING DOOR ASSEMBLIES, EXCEPT SITE-BUILT WINDOWS AND/OR DOORS, SHALL BE VISUALLY INSPECTED TO VERIFY THAT INSTALLED ASSEMBLIES ARE LISTED AND LABELED BY THE MANUFACTURER TO THE REFERENCED STANDARD. FOR CURTAIN WALL, STOREFRONT GLAZING, COMMERCIAL ENTRANCE DOORS AND REVOLVING DOORS, THE TESTING REPORTS SHALL BE REVIEWED TO VERIFY THAT THE INSTALLED ASSEMBLY COMPLIES WITH THE STANDARD CITED IN THE APPROVED PLANS.	AS REQUIRED DURING INSTALLATION; PRIOR TO FINAL CONSTRUCTION INSPECTION	NFRC 400, AAMA/WDMA/CSA 101/I.S.2/A440 ASTM E283; ANSI/DASMA 105	502.4; ASHRAE 90.1 -5.4.3.2	●	○
IIA.5	FENESTRATION AREAS: DIMENSIONS OF WINDOWS, DOORS AND SKYLIGHTS SHALL BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	502.3; ASHRAE 90.1 - 5.5.4, 5.6 OR 11	●	○
IIA.6	SEALING: OPENINGS AND PENETRATIONS IN THE BUILDING ENVELOPE, INCLUDING SITE-BUILT FENESTRATION AND DOORS, SHALL BE VISUALLY INSPECTED TO VERIFY THAT A CONTINUOUS AIR BARRIER AROUND THE ENVELOPE FORMS AN AIR-TIGHT ENCLOSURE THE PROGRESS INSPECTOR SHALL VISUALLY INSPECT TO VERIFY THAT MATERIALS AND/OR ASSEMBLIES HAVE BEEN TESTED AND MEET THE REQUIREMENTS OF THE RESPECTIVE STANDARDS, OR THAT THE BUILDING IS TESTED AND MEETS THE REQUIREMENTS OF THE STANDARDS, IN ACCORDANCE WITH THE STANDARD(S) CITED.	AS REQUIRED DURING CONSTRUCTION	APPROVED CONSTRUCTION DOCUMENTS; ASTM E2178, ASTM E2357, ASTM E1677, ASTM E779, ASTM E283.	502.4.3, 502.4.7; ASHRAE 90.1 -5.4.3.1	●	○

SUPPORTING DOCUMENTATION REFERENCE:

ROOF TYPE:	EN-001
EXTERIOR WALL TYPE:	EN-001
FOUNDATION TYPE:	EN-001
BASEMENT WALL TYPE:	EN-001
WINDOWS:	A-403
DOORS:	A-403
PROGRESS INSPECTION FOR ENVELOPE:	EN-003
EXTERIOR WALL AREA:	EN-002
WINDOW & DOOR AREA:	EN-002

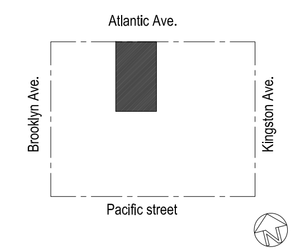
LOCATION		R-VALUE	CAVITY R-VALUE	CONT. R-VALUE
ROOF	RIGID INSULATION POLYSTYRENE (XPS) R-20	20		20
EXTERIOR WALL	FACEBRICK	0.44		
	1" CONT. INSULATION POLYSTYRENE R-7.5	7.5		
	8" CMU	1.11		
	BATT INSULATION R-13	13	13	7.5
FOUNDATION WALL	BATT INSULATION R-13	13	13	

TO THE BEST OF MY KNOWLEDGE, THE PROPOSED BUILDING IN COMPLIANCE WITH 2014 NEW YORK CITY ENERGY CONSERVATION CODE USING CHAPTER C4 (COMMERCIAL ENERGY EFFICIENCY)

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DOB APPROVAL STAMP

KEY PLAN:



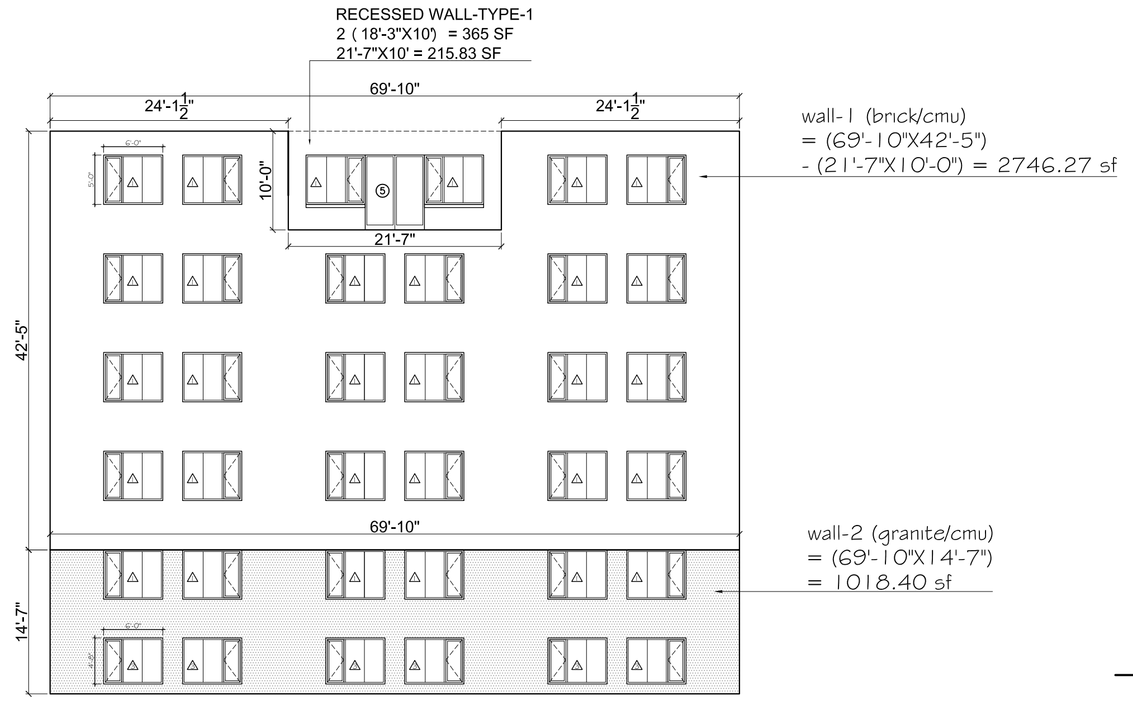
REV.#	DATE	DESCRIPTION

PROJECT TITLE:
1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

ENERGY CODE ANALYSIS (BUILDING ENVELOPE)

SEAL & SIGNATURE:

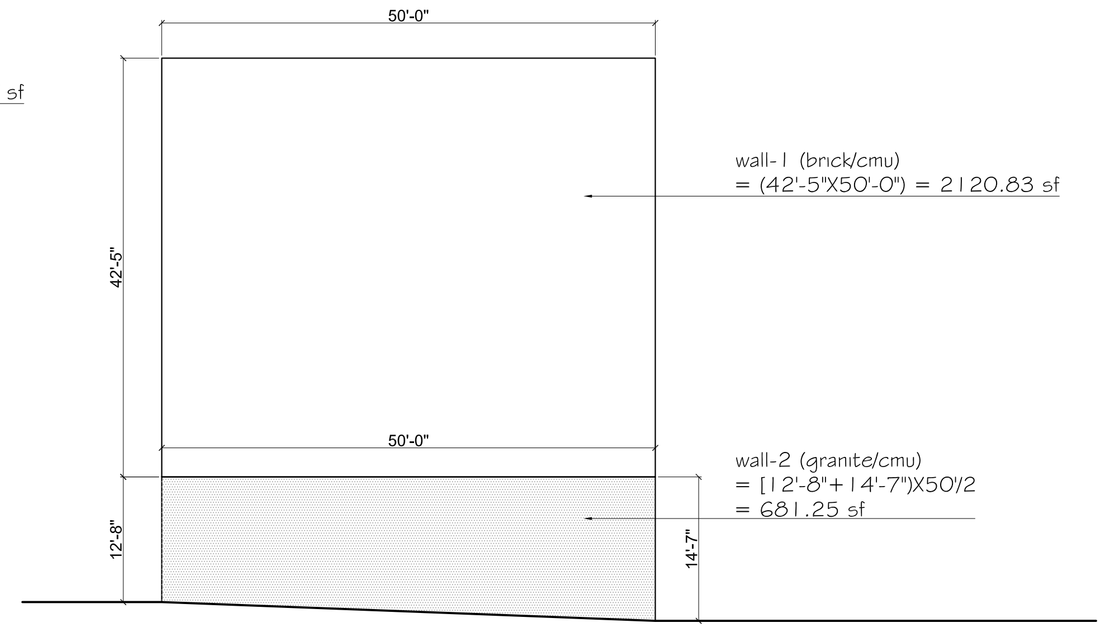
DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	EN-001.00
PAGE No:	20 of 29



1 EN-002 SOUTH WALL

window-1 & 3
casement window
low-e
u-factor = 0.4
shgc = 0.32
air infiltration = 0.03

window-1 = (6' x 5'= 30 sf) x 30 = 900 sf
window-3 = (6' x 4'-8"= 28 sf) x 6 = 168 sf



3 EN-002 EAST WALL

WINDOW PERFORMANCE SCHEDULE:							
TYPE	DESCRIPTION	R.O./M.O.	GLASS TYPE	U-FACTOR	SHGC	AIR LEAKAGE	NOTES
1	ALUM-FRAMED CASEMENT WINDOW	6'-0" X 5'-0"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
2	ALUM-FRAMED CASEMENT WINDOW	8'-0" X 5'-0"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
3	ALUM-FRAMED CASEMENT WINDOW	6'-0" X 4'-8"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
4	ALUM-FRAMED SLIDING WINDOW	6'-0" X 2'-0"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1
5A	ALUM-FRAMED FIXED WINDOW	12'-0" X 13'-1"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1, 3
5B	ALUM-FRAMED FIXED WINDOW	2'-0" X 13'-1"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1, 3
5C	ALUM-FRAMED FIXED WINDOW	6'-0" X 5'-5"	LOW-E, CLEAR	0.4	0.32	≤ 0.03 CFM/SF	1, 3
DOOR PERFORMANCE SCHEDULE:							
170A	ALUM-FRAMED DOUBLE SLIDING DOORS	(2)3'-0" X 7'-8"	LOW-E, CLEAR	0.64	0.85	≤ 0.09 CFM/SF	1, 2
51 / 52	INSULATED METAL DOORS	3'-0" X 7'-0"		0.42			
5	ALUM-FRAMED DOUBLE SWING DOORS	(2)3'-0" X 7'-7"	LOW-E, CLEAR	0.64	0.85	≤ 0.09 CFM/SF	1, 2

WALL

WALL TYPE-1
TOTAL AREA = 2,746.27 + 365 + 215.83 + 2,962.10 + 2,120.83 + 2,120.83 = 10,530.86 SF →

WALL TYPE-2
TOTAL AREA = 1,018.40 + 912.95 + 681.25 + 629.22 = 3,241.82 SF →

WINDOW

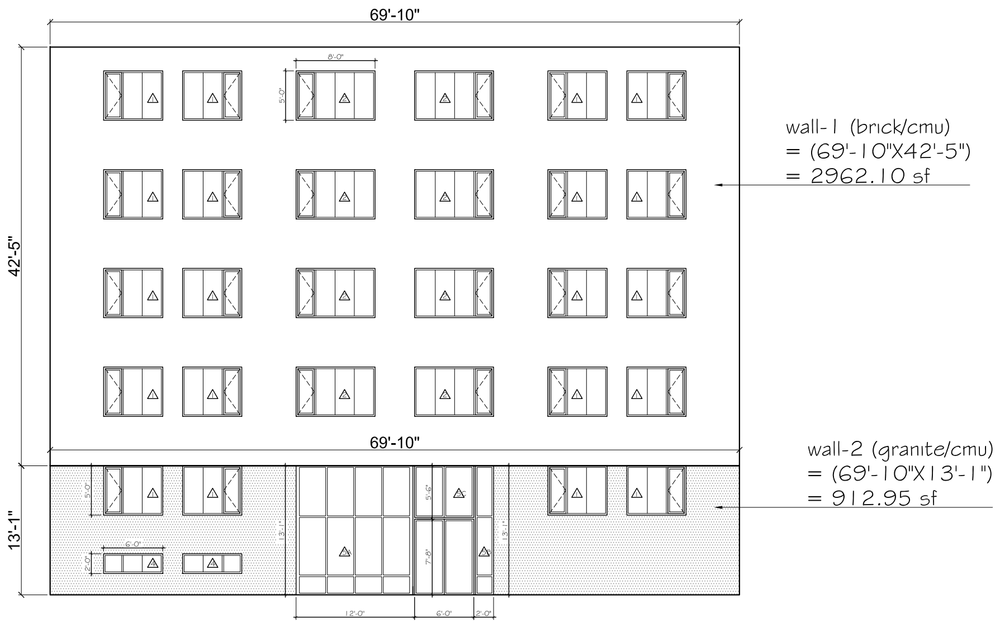
WINDOW - 1 (casement)
TOTAL AREA = 900 + 600 = 1,500 SF →

WINDOW - 2 (casement)
TOTAL AREA = 320 SF →

WINDOW - 3 (casement)
TOTAL AREA = 168 SF →

WINDOW - 4 (sliding)
TOTAL AREA = 24 SF →

WINDOW - 5 (fixed)
TOTAL AREA = 157 + 24 + 33 = 214 SF →



2 EN-002 NORTH WALL

window-1
casement window
low-e
u-factor = 0.4
shgc = 0.32
air infiltration = 0.03

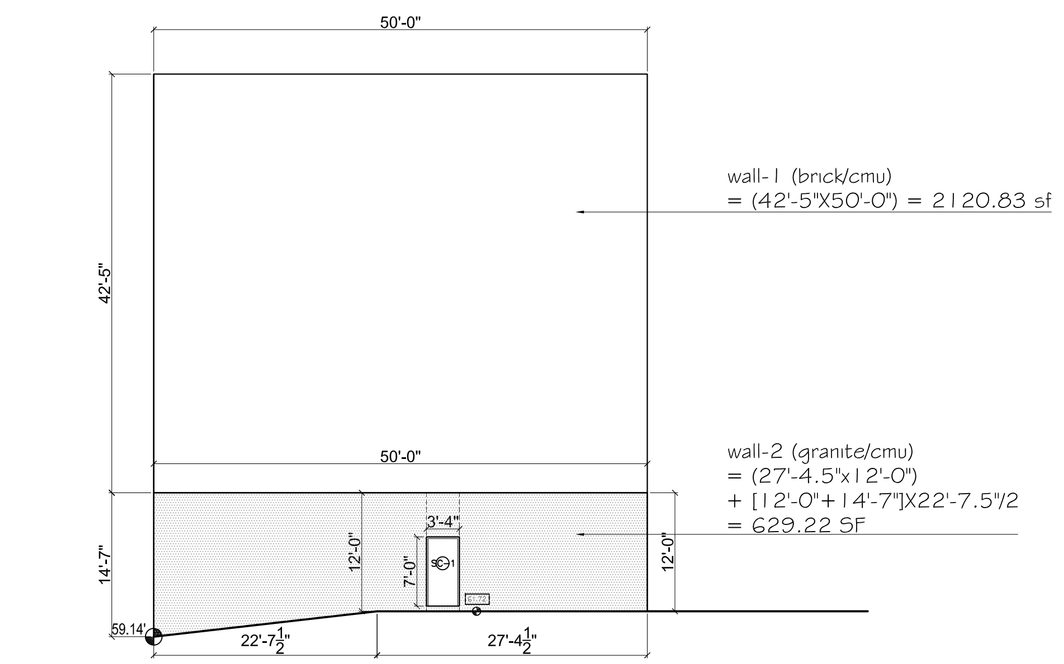
window-1 = (6' x 5'= 30 sf) x 20 = 600 sf
window-2 = (8' x 5' = 40 sf) x 8 = 320 sf

window-4
sliding window
low-e
u-factor = 0.4
shgc = 0.32
air infiltration = 0.03

window-4 = (6' x 2'= 12 sf) x 2 = 24 sf

window-5
fixed window
low-e
u-factor = 0.4
shgc = 0.32
air infiltration = 0.03

window-5A=(13'-1"x12'-0") = 157 sf
window-5B=(2'-0" x 12'-0") = 24 sf
window-5C=(6'-0" x 5'-6") = 33 sf



4 EN-002 WEST WALL

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DOB APPROVAL STAMP

KEY PLAN:



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(BUILDING ENVELOPE ANALYSIS)

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DRAWING BY:	CK
CHK BY:	MK
DWG No:	EN-002.00
PAGE No:	21 of 29

COM*check* Software Version 4.0.0

Inspection Checklist

Energy Code: 2014 New York Energy Conservation Construction Code

Requirements: 93.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COM*check* 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.

2014 New York Energy	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1][1]	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** EN-001
C103.2 [PR4][1]	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.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** RCP-101 TO RCP-106
C103.2 [PR8][1]	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.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** EN-004
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.3.1 [PR10][1]	Vertical fenestration area <= 30 percent of the gross above-grade wall area.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** EN-002
C402.3.1 [PR11][1]	Skylight area <= 3 percent of the gross roof area.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Section # & Req.ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
C402.2.4 [FO1][2]	Below-grade wall insulation R-value.	R-13	R-____	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C303.2 [FO2][2]	Below-grade wall insulation installed per manufacturer's instructions.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** EN-001
C402.2.6 [FO3][2]	Slab edge insulation R-value.	R-7.5 ☑ Unheated ☐ Heated	R-____ ☐ Unheated ☐ Heated	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C303.2 [FO4][2]	Slab edge insulation installed per manufacturer's instructions.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** EN-001
C402.2.6 [FO5][2]	Slab edge insulation depth/length. Slab insulation exceeding away from building is covered by pavement or >= 10 inches of soil.	____ft	____ft	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C403.2.7, C408.2.8, C404.5 [FO6][2]	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.2.8 [FO12][2]	Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Envelope Assemblies table for values.*

Additional Comments/Assumptions:

2014 New York Energy	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.4.5.1 [ME3][3]	Stair and elevator shaft vents have motorized dampers that automatically close.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.4.5.2 [ME58][3]	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.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

2014 New York Energy	Final Inspection	Complies?	Comments/Assumptions
C402.4.6 [FI37][3]	Weatherseals installed on all loading dock cargo doors.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Requirement does not apply.
C402.4.8 [FI26][3]	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Requirement does not apply.
C408.2.5.1 [FI16][3]	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	
C303.3,C408.2.5.2 [FI17][3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	
C405.5.2 [FI18][3]	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.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C405.6.2 [FI19][3]	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.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
C408.3 [FI33][3]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI48][3]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C406 [FI34][3]	Efficient HVAC performance, efficient lighting system, or on-site supply of renewable energy consistent with what is shown the approved plans.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

2014 New York Energy	Plan Review	Complies?	Comments/Assumptions
C402.3.2 [PR14][1]	In enclosed spaces > 10,000 ft2 directly under a roof with ceiling heights >15 ft, and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Requirement does not apply.
C402.3.2, 2 [PR15][1]	Areas with obstructions that block direct beam sunlight on >= 1/2 of the roof over the enclosed area for more than 1,500 daytime hours per year between 8 am and 4 pm.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Skylights designed to exclude direct sunlight entering the occupied space by the use of fixed or automated baffles.

Additional Comments/Assumptions:

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
C402.4.1, C402.4.2 [FR16][2]	The building envelope contains a continuous air barrier that is sealed in an approved manner and either constructed or tested in an approved manner. Air barrier penetrations are sealed in an approved manner.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.4.3, C402.4.4 [FR18][2]	Factory-built fenestration and doors are labeled as meeting air leakage requirements.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.4.7 [FR17][2]	Vestibules are installed on all building entrances. Doors have self-closing devices.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.3.3, C402.3.4 [FR8][2]	Vertical fenestration U-Factor.	U-____ REFER TO EN-001	U-____	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.3.3 [FR10][2]	Vertical fenestration SHGC value.	SHGC:____ REFER TO EN-002	SHGC:____	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C303.1.3 [FR12][2]	Fenestration products rated in accordance with NFRC.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** A-403
C303.1.3 [FR13][2]	Fenestration products are certified as to performance labels or certificates provided.			☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** A-403
C402.2.7 [FR14][2]	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U-____ ☐ Swinging ☐ Nonswinging REFER TO EN-001 & EN-002	U-____ ☐ Swinging ☐ Nonswinging	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*

Additional Comments/Assumptions:

2014 New York Energy	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.1 [EL22][2]	Automatic controls to shut off all building lighting installed in all buildings.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1.1 [EL23][2]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** RCP-101 TO RCP-106
C405.2.1.2 [EL15][1]	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.2.3 [EL16][2]	Daylight zones provided with individual controls that control the lights independent of general area lighting.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** RCP-102, 103, 106
C405.2.3 [EL17][1]	Sleeping units have at least one master switch at the main entry door that controls wired luminaires and switched receptacles.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** RCP-102 TO RCP-105
C405.2.2.2 [EL18][1]	Occupancy sensors installed in required spaces.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.2.3 [EL20][1]	Primary sidelighted areas are equipped with required lighting controls.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.2.3 [EL21][1]	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.4 [EL25][2]	Automatic lighting controls for exterior lighting installed.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** RCP-102, 103, 106
C405.2.3 [EL4][2]	Separate lighting control devices for specific uses installed per approved lighting plans.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** RCP-101 TO RCP-105
C405.4 [EL6][2]	Exit signs do not exceed 5 watts per face.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.3 [EL8][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

MKA

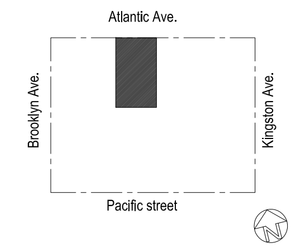
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DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

ENERGY CODE ANALYSIS (CHECK LIST)

SEAL & SIGNATURE:

DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	EN-003.00
PAGE No:	22 of 29

COMcheck Software Version 4.0.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2014 New York Energy Conservation Construction Code
Project Title:
Project Type: New Construction

Construction Site: 1464 Atlantic ave Brooklyn, NY
Owner/Agent:
Designer/Contractor:

Additional Efficiency Package

High efficiency HVAC. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Hotel:Dining area	484	1.30	629
2-Hotel:Guest rooms	19578	1.10	21536
3-Hotel:Hotel lobby	494	2.10	1037
		Total Allowed Watts =	23202

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:Dining area				
Compact Fluorescent 1: Spiral 23W: Electronic:	1	16	23	368
2-Hotel:Guest rooms				
Linear Fluorescent 1: 48" T8 30W (Super T6): Electronic:	4	7	30	210
Linear Fluorescent 2: 36" T12 30W: Electronic:	4	34	30	1020
Compact Fluorescent 3: Spiral 23W: Electronic:	1	152	23	3496
Compact Fluorescent 4: Spiral 23W: Electronic:	1	60	23	1380
Compact Fluorescent 5: Spiral 15W: Electronic:	1	61	15	915
3-Hotel:Hotel lobby				
Compact Fluorescent 2: Spiral 23W: Electronic:	1	24	23	552
			Total Proposed Watts =	7941

Interior Lighting PASSES: Design 66% 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 2014 New York Energy Conservation Construction Code requirements in COMcheck Version 4.0.0 and to comply with the mandatory requirements listed in the Inspection Checklist.

Project Title: Report date: 06/10/15
Data filename: F:\ALL-MKA Project CAD\Catherine\(201407) 1464 ATLANTIC AVE\DOB\1462 ATLANTIC AVE\ENERGY ANALYSIS\06-01-15\ENERGY-060115.cck Page 3 of 15

Name - Title Signature Date

Project Title: Report date: 06/10/15
Data filename: F:\ALL-MKA Project CAD\Catherine\(201407) 1464 ATLANTIC AVE\DOB\1462 ATLANTIC AVE\ENERGY ANALYSIS\06-01-15\ENERGY-060115.cck Page 4 of 15

COMcheck Software Version 4.0.0

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2014 New York Energy Conservation Construction Code
Project Title:
Project Type: New Construction
Exterior Lighting Zone 2 (Neighborhood business district)

Construction Site: 1464 Atlantic ave Brooklyn, NY
Owner/Agent:
Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	120 ft2	0.25	Yes	30
Parking area	3800 ft2	0.06	Yes	228
Other door (not main entry)	394 ft of	20	Yes	7880
			Total Tradable Watts (a) =	8138
			Total Allowed Watts =	8138
			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)
Entry canopy (120 ft2): Tradable Wattage				
LED 1: LED Other Fixture Unit 6.5W:	1	4	6	26
Parking area (3800 ft2): Tradable Wattage				
LED 2: LED Roadway-Parking Unit 42W:	1	5	42	210
Other door (not main entry) (394 ft of door width): Tradable Wattage				
LED 3: LED Other Fixture Unit 13W:	1	5	13	65
			Total Tradable Proposed Watts =	301

Exterior Lighting PASSES: Design 97% 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 2014 New York Energy Conservation Construction Code requirements in COMcheck Version 4.0.0 and to comply with the mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: Report date: 06/10/15
Data filename: F:\ALL-MKA Project CAD\Catherine\(201407) 1464 ATLANTIC AVE\DOB\1462 ATLANTIC AVE\ENERGY ANALYSIS\06-01-15\ENERGY-060115.cck Page 5 of 15

TO THE BEST OF MY KNOWLEDGE, THE PROPOSED BUILDING IN COMPLIANCE WITH 2014 NEW YORK CITY ENERGY CONSERVATION CODE USING CHAPTER C4 (COMMERCIAL ENERGY EFFICIENCY)

TABLE II – PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE – COMMERCIAL BUILDINGS

	INSPECTION/TEST	FREQUENCY (MINIMUM)	REFERENCE STANDARD (SEE ECC CHAPTER 6 OR OTHER CRITERIA)	ECC OR OTHER CITATION
IIC	ELECTRICAL POWER AND LIGHTING SYSTEMS			
IIC1	ELECTRICAL METERING: THE PRESENCE AND OPERATION OF INDIVIDUAL METERS OR OTHER MEANS OF MONITORING INDIVIDUAL APARTMENTS SHALL BE VERIFIED BY VISUAL INSPECTION FOR AL APARTMENTS.	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	505.7
IIC3	INTERIOR LIGHTING POWER: INSTALLED LIGHTING SHALL BE VERIFIED FOR COMPLIANCE WITH THE LIGHTING POWER ALLOWANCE BY VISUAL INSPECTION OF FIXTURES, LAMPS, BALLASTS AND TRANSFORMERS.	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	505.5; ASHRAR 90.1–9.1, 9.2. 9.5, 9.6; 1RCNY &101–07(C)(3)(V)(C)4
IIC4	EXTERIOR LIGHTING: INSTALLED LIGHTING SHALL BE VERIFIED FOR COMPLIANCE WITH SOURCE EFFICACY AND/OR THE LIGHTING POWER ALLOWANCE BY VISUAL INSPECTION OF FIXTURES, LAMPS, BALLASTS AND RELEVANT TRANSFORMERS.	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	505.6; ASHRAR 90.1–9.4.4, 9.4.5; 1RCNY &101–07(C)(3)(V)(C)4
IIC5	LIGHTING CONTROLS: EACH TYPE OF REQUIRED LIGHTING CONTROLS, INCLUDING: OCCUPANT SENSORS, MANUAL INTERIOR LIGHTING CONTROLS, LIGHT-REDUCTION CONTROLS, AUTOMATIC LIGHTING LIGHTING SHUT-OFF, DAYLIGHT ZONE CONTROLS, SLEEPING UNIT CONTROLS, EXTERIOR LIGHTING CONTROLS SHALL BE VERIFIED BY VISUAL INSPECTION AND TESTED FOR FUNCTIONALITY AND PROPER OPERATION.	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING CONTROL SYSTEM NARRATIVES	505.2, 505.2.2.2; ASHRAE 90.1–9.4.1, 9.4.1.2 (AS MODIFIED BY SECTION ECC A102)
IIC6	EXIT SIGHS: INSTALLED EXIT SIGHS SHALL BE VISUALLY INSPECTED TO VERIFY THAT THE LABEL INDICATED THAT THEY DO NOT EXCEED MAXIMUM PERMITTED WATTAGE.	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	505.4 ASHEAE 90.1–9.4.3
IID1	MAINTENANCE INFORMATION: MAINTENANCE MANUALS FOR MECHANICAL, SERVICE HOT WATER AND ELECTRICAL EQUIPMENT AND SYSTEMS REQUIRNG PREVENTIVE MAINTENANCE SHALL BE REVIEWED FOR APPLICABILITY TO INSTALLED EQUIPMENT AND SYSTEMS BEFORE SUCH MANUALS ARE PROVIDED TO THE OWNER. LABELS REQUIRED FOR SUCH EQUIPMENT OF SYSTEMS SHALL BE INSPECTED FOR ACCURACY AND COMPLETENESS.	PRIOR TO SIGH–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	303.3, 503.2 9.3; ASHRAE 90.1–4.2.2.3, 6.4.2.2, 8.7.2

ECC TABLE 505.5.2
INTERIOR LIGHTING POWER

AREA TYPE	TENANT AREA OR PORTION OF BUILDING (W/FT²)	AREA (FT²)	ALLOWED WATTAGE
DINING AREA	1.3	484	629
GUESTROOMS	1.1	19,578	21,536
HOTEL LOBBY	2.1	494	1,037

INTERIOR LIGHTING SCHEDULE

DINING AREA

SYMBOL	MANUFACTURER	LAMP WATTAGES	QUANTITIES	TOTAL WATTAGES
R16	CEILING MOUNT HALOGEN LIGHTING FIXTURE	23 W	16	368

ALLOWABLE WATTAGES:
DINING AREA = (484 S.F.) X (1.3 W/S.F.) = 629 W

PROPOSED WATTAGES:
DINING AREA = 368 W < 629 W ...O.K.

GUESTROOMS

SYMBOL	FIXTURE TYPE	LAMP WATTAGES	QUANTITIES	TOTAL WATTAGES
F07	LINEAR FLUORESCENT LIGHTING FIXTURE	30	7	210
D F04	LINEAR FLUORESCENT LIGHTING FIXTURE	30	34	1,020
R16	CEILING MOUNT COMPACT FLUORESCENT LIGHTING FIXTURE	23	152	3,496
D162	WALL SCONCE – COMPACT FLUORESCENT LIGHTING FIXTURE	23	60	1,380
W D168	WATERPROOF LED LIGHT FIXTURE RECESSED	15	61	915
	EXIT LIGHT	5	–	–
	TOTAL			7,021

ALLOWABLE WATTAGES:
GUESTROOMS = (19,578 S.F.) X (1.1 W/S.F.) = 21,536 W

PROPOSED WATTAGES:
GUESTROOMS = 7,021 W < 21,536 W ...O.K.

HOTEL LOBBY

SYMBOL	MANUFACTURER	LAMP WATTAGES	QUANTITIES	TOTAL WATTAGES
R16	CEILING MOUNT HALOGEN LIGHTING FIXTURE	23 W	24	552

ALLOWABLE WATTAGES:
HOTEL LOBBY = (494 S.F.) X (2.1 W/S.F.) = 1,037 W

PROPOSED WATTAGES:
HOTEL LOBBY = 552 W < 1,037 W ...O.K.

INTERIOR LIGHTING CALCULATION:

ALLOWABLE WATTAGES:
629 + 21,536 + 1,037 = 23,202 W

PROPOSED WATTAGES:
368 + 7,021 + 552 = 7,941 W < 23,202 W ....O.K.

ECC TABLE 505.5.2
EXTERIOR LIGHTING POWER

AREA TYPE	TENANT AREA OR PORTION OF BUILDING (W/FT²)	AREA (FT²)
ENTRY CANOPY	0.25	120
PARKING AREA	0.06	3800
ROOF TERRACE	20	394

EXTERIOR LIGHTING SCHEDULE

SYMBOL	MANUFACTURER	LAMP WATTAGES	QUANTITIES	TOTAL WATTAGES
D180	LITEBOX – 6" LED DOWNLIGHT MODULE	6.5 W	4	26
P165	RAB LIGHTING – OUTDOOR LIGHT HIGH–OUTPUT, LONG–LIFE LED LIGHT	42 W	5	210
P188	WALL SCONE – LED LIGHT	13 W	5	65

ALLOWABLE WATTAGES:
ENTRY CANOPY = (120 S.F.) X (0.25 W/S.F.) = 30 W
PARKING AREA = (3800 S.F.) X (0.06 W/S.F.) = 228 W
ROOFTOP TERRACE = (394 S.F.) X (20 W/S.F.) = 7880 W

PROPOSED WATTAGES:
ENTRY CANOPY = 26 W < 30 W ...O.K.
PARKING AREA = 210 W < 228 W ....O.K.
ROOFTOP TERRACE = 65 W < 7880 W ...O.K.

EXTERIOR LIGHTING CALCULATION:

ALLOWABLE WATTAGES:
30 + 228 + 7,880 = 8,138 W

PROPOSED WATTAGES:
26 + 210 + 65 = 301 W < 8,138 W ....O.K.

ALL EXTERIOR LIGHTING USE TIME CLOCK CONTROL AS PER 505.2.4.

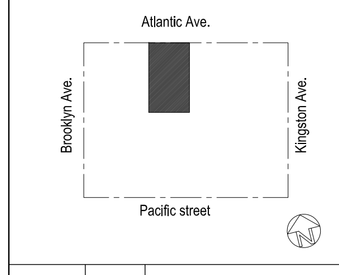
SUPPORTING DOCUMENTATION REFERENCE:

INTERIOR LIGHTING LAYOUTS, FLOOR C-R:	RCP-101 TO RCP-106
EXTERIOR LIGHTING LAYOUTS:	RCP-102
LIGHTING FIXTURE LEGEND:	RCP-101
LIGHTING CONTROLS NARRATIVES:	RCP-101
LIGHTING PROGRESS INSPECTION:	EN-003

MKA
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DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

PROJECT TITLE:
1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

ENERGY CODE ANALYSIS (LIGHTING ANALYSIS)

SEAL & SIGNATURE:

DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
DWG No:	EN-004.00
PAGE No:	23 of 29

POWER/VOICE/DATA/SYMBOLS

(NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT)

- S_a — SINGLE POLE SWITCH SIMILAR TO LUTRON MODEL #CA-1PSH-WH OR APPROVED EQUAL; 3 = THREE-WAY; a = CONTROLLING FIXTURE
- S_m — DISCONNECT SWITCH – TOGGLE TYPE WITH MOTOR RATED, 20A, 1P U.O.N.
- ST — DISCONNECT SWITCH – TOGGLE TYPE WITH THERMAL OVERLOAD – HP RATED
- WALL MOUNTED OCCUPANCY VACANCY SENSOR GREENGATE OSW-P-1001-MV-W
- CEILING MOUNTED OCCUPANCY VACANCY SENSOR "GREENGATE OAC-DT-2000"
- CORRIDOR OCCUPANCY VACANCY SENSOR-CEILING MOUNTED. (DIRECTIONAL COVERAGE) GREENGATE # OMC-DT-2200-R
- GFI — RECESSED WALL MOUNTED GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE, TYP. @ 44" A.F.F.
- RECESSED WALL MOUNTED DEDICATED DUPLEX RECEPTACLE, TYP. @ 18" A.F.F., UNLESS INDICATED WITH DIMENSION.
- RECESSED WALL MOUNTED QUADRUPLEX RECEPTACLE, TYP. @ 18" A.F.F., UNLESS INDICATED WITH DIMENSION.
- RECESSED WALL MOUNTED DUPLEX RECEPTACLE, TYP. @ 18" A.F.F., UNLESS INDICATED WITH DIMENSION.
- (M) — MOTOR FOR EXHAUST FAN
- M — MECHANICAL MOTORIZED DAMPER
- FSD — MECHANICAL FIRE PURGE SMOKE DAMPER
- AV — DOUBLE GANGED J-BOX FOR AV USE- COORDINATE WITH AV VENDOR, TO BE LINKED WITH 1.5"Ø CONDUIT AS SHOWN
- 1,3,5 — HOME RUN-NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY. 2#12+1#12G-3/4"C FOR ONE CKT. HOMERUN, U.O.N. 3#12+1#12G-3/4"C FOR TWO CKT. HOMERUN, U.O.N. 4#12+1#12G-3/4"C FOR THREE CKT. HOMERUN, U.O.N.
- MULTI – CIRCUIT HOME RUN NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY
- 3P30A — UNFUSED DISCONNECT SWITCH; SWITCH AMPS/FUSE AMPS # OF POLES, VOLTAGE RATING AS REQUIRED.
- FUSED DISCONNECT SWITCH; SWITCH AMPS/FUSE AMPS # OF POLES, VOLTAGE RATING AS REQUIRED.
- (X) — EQUIPMENT DESIGNATION (X)—EQUIPMENT ITEM NUMBER
- LIGHT SWITCHES
- MASTER SWITCHES FOR THE GUESTROOMS
- SURFACE MOUNTED LIGHTING PANEL BOARD
- W — RECESSED WALL MOUNTED VOICE JACK FOR WALL PHONE, TYP. @ 5'-0" A.F.F. UNLESS INDICATED WITH DIMENSION.
- CAT-6 — RECESSED WALL MOUNTED DATA JACK, (2) RJ45 PORTS W/ HOME RUN CAT-6 CABLES, TYP. @ 18" A.F.F., UNLESS INDICATED WITH
- CAT-6 — RECESSED WALL MOUNTED VOICE & DATA JACK, (2) RJ45 PORTS
- T — RECESSED SINGLE GANGED JUNCTION BOX FOR THERMOSTAT, SEE ENGINEER'S DRAWING FOR LOCATION
- J — RECESSED DATA POKE-THROUGH WITH CONDUIT FEED
- J — RECESSED POWER POKE-THROUGH WITH CONDUIT FEED
- TC — TIME CLOCK
- CAT-6 I — RECESSED DOUBLE GANGED J-BOX WITH STUB-UP AND HOME RUN CAT-6 TERMINATED CABLE FOR INTERCOM DEVICE
- CAT-6 CAM — RECESSED DOUBLE GANGED CEILING MOUNTED J-BOX AND HOME RUN CAT-6 TERMINATED CABLE FOR IP CAMERA
- J J — TRIPLE RECESSED DOUBLE GANGED J-BOXES, LINKED WITH 2"Ø CONDUITS, SEE DETAIL FOR POSITION
- J — JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
- J — FLUSH MOUNTED JUNCTION BOX (COORDINATE EXACT LOCATION WITH DEVICE/EQUIPMENT)
- D — DIMMER SWITCH LUTRON MAESTRO SERIES
- PULLBOX
- EXISTING CONDUIT/EQUIPMENT TO REMAIN
- NEW CONCEALED CONDUIT

ABBREVIATION

(NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT)

A	AMPERE
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AWG	AMERICAN WIRE GAUGE
BG	BREAK GLASS SWITCH
BLDG	BUILDING
CAB	CABINET
CAT	CATALOG
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSET
CNTL	CONTROL
CO	CONDUIT ONLY
COMM	COMMUNICATION
CONT	CONTINUATION
CT	CURRENT TRANSFORMER
CU	COPPER
DISC	DISCOONECT
DWG	DRAWING
(E)	EXISTING TO REMAIN
EA	EACH
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EQUIP	EQUIPMENT
(ETR)	EXISTING TO BE RELOCATION
(R)	EXISTING TO BE REMOVED
EXIST	EXISTING
FA	FIRE ALARM
FAP	FIRE ALARM PANEL
FBO	FURINSHED BY OTHER DIVISION OF WORK
FCU	FAN COIL UNIT
FDS	FUSED DISCONNECT SWITCH
FIXT	FLEXIBLE
FLUOR	FLUORESCENT
FT	FEET OR FOOT
G	GROUND
GFI	GROUND FAULT INTERRUPTER
HP	HOSE POWER
HV	HIGH VOLTAGE
HZ	HERTZ
JB	JUNCTION BOX
KCM	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MIN	MINIMUM
MTD	MOUNTED
MTG	MOUNTING
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
P	POLE
PB	PULL BOX
O	PHASE
PNL	PANEL
PWR	POWER
RECEPT	RECEPTACLE
REF	REFRIGERATOR
REQ	REQUIRED
RM	ROOM
SD	SMOKE DETECTOR
SECT	SECTION
SPEC	SPECIFICATION
SPKR	SPEAKER
TEL	TELEPHONE
TP	TAMPER PROOF
TRANSF	TRANSFORMER
TYP	TYPICAL
UH	UNIT HEATER
UNF	UNFUSED
UON	UNLESS OTHERWISE NOTED
V	VOLT OR VOLTAGE
VA	VOLT AMPERE
W	WATT

ELECTRICAL GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORKS. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS MAINTAIN HEADROOM AND SPACE CONDITIONS.
2. SECURE ALL SUPPORTS TO BUILDING STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY). EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL), BEAM CLAMPS (FRAMEWORK), WOOD SCREWS (WOOD) OR PAN THRU STRAPS (METAL DECK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGELS TO WALLS.
3. PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES OR APPLIANCES (EXCEPT PIPE CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 INCH FROM PIPE COVERS)
4. CUT CONDUIT ENDS SQUARE. REAM SMOOTH. PAINT MALE THREAD OR FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUNT. DRAW UP TIGHT WITH RACEWAY COUPLING.
5. HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED. DO NOT RUN CONDUIT IN PRECAST ROOF SLABS, IN 2 INCH SLABS OR IN TERRAZZO FLOOR FINISH.
6. LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS. RACEWAYS OVER 10 FT LONG IN WHICH WIRING IS NOT INSTALLED: FURNISH FISH WIRE.
7. SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.
8. VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE, CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO
9. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
10. COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.
11. PROVIDE PULLBOXES WHERE INDICATED, WHERE REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.
12. EMPTY RACEWAYS RUNS: PROVIDE PULLBOXES EVERY 100 FT AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
13. JUNCTION AND PULLBOXES: LOCATE GENERALLY NOT EXPOSES IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.
14. SUPPORT PANEL, JUNCTION AND PULLBOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
15. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
16. PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED PULL ON THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32F (0C). BY CODE.
17. PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. COMMON BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.
18. HEIGHTS OR OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET:

RECEPTACLES AND TELEPHONE:	
GENERALLY	1'-6"
OVER WORK BENCHES	3'-6"
WALL SWITCHES	4'-0"
WALL FIXTURES	7'-0"
MOTOR CONTROLLERS	5'-0"
GONGS AND HORNS	7'-0"
FIRE ALARM STATIONS	4'-0"
STROBE LIGHTS	(WHICHEVER IS LOWER) 6'-8" AFF OR 6" BELOW CEILING

EXCEPTION: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE REQUIREMENTS, AS NOTED OR DIRECTED.

19. WIRE COLOR CODING: AS PER CODE. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.
20. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF INTERRUPTED.
21. FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION

LIGHTING CONTROL NARRATIVES IN COMPLIANCE WITH 2014 NYCECC:

C405.1
AT LEAST 75% OF NEWLY INSTALLED PERMANENT LIGHTING FIXTURES USE HIGH-EFFICACY LAMPS WITHIN DWELLING UNITS

THE FOLLOWING REQUIREMENTS ARE FOR 1ST FLOOR AND 2ND FLOOR COMMUNITY FACILITY(CLINIC) USE SPACE ONL Y. DWELLING UNITS ON 2ND FLOOR TO 7TH FLOOR SHALL NOT BE REQUIRED TO COMPLY WITH SECTION C405.2 THROUGH C405.5 AS PER THE EXCEPTION OF THIS CODE

C405.2.1.1
EACH AREA ENCLOSED BY WALLS OR FLOOR-TO CEILING PARTITIONS SHALL HAVE AT LEAST ONE MANUAL CONTROL FOR THE LIGHTING SERVING THAT AREA. THE REQUIRED CONTROLS SHALL BE LOCATED WITHIN THE AREA SERVED BY THE CONTROLS TO BE A REMOTE SWITCH THAT IDENTIFIES THE LIGHTS SERVED AND INDICATES THEIR STATUS.

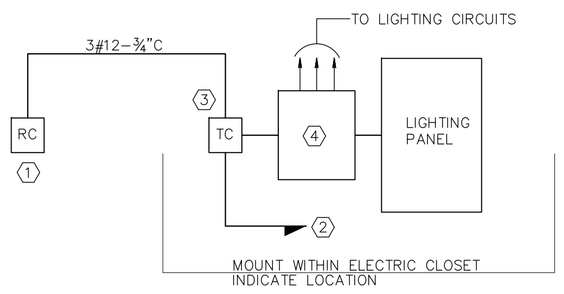
EXCEPTIONS:
1. AREAS DESIGNATED AS SECURITY OR EMERGENCY AREAS THAT NEED TO BE CONTINUOUSLY LIGHTED.

C405.2.2.2
OCCUPANCY SENSORS SHALL BE INSTALLED IN MECHANICAL ROOMS, WATER METER ROOM , GAS METER ROOM, ELECT. METER ROOM, BICYCLE STORAGE ROOM, LAUNDRY, COMPACTOR ROOMS & ELEVATOR MOTOR ROOM.

C405.2.4
EXTERIOR LIGHTING AT PARKING LOT SHALL BE PROVIDED WITH A CONTROL THAT AUTOMATICALLY TURNS OFF THE LIGHTING WHEN DAYLIGHT IS AVAILABLE

C405.4 (MANDATORY)
INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

ROOM TYPE	CONTROL STRATEGY
CORRIDOR/ ELEVATOR LOBBY	AUTOMATIC ON/OFF OF 75% OF FIXTURES, 25% OF FIXTURES TO REMAIN ENERGIZED AT ALL TIMES WITH EMERGENCY BATTERY PACK (I.E. EMERGENCY FIXTURES TO REMAIN ON)
H/C RESTROOM, (CELLAR FL.)	LOCAL SWITCHES WITH OCCUPANCY SENSOR AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE
STAIRS	ASTRONOMICAL TIMECLOCK WITH OCCUPANCY SENSOR TO DE-ENERGIZE 50% OF FIXTURES. 50% OF FIXTURES REMAIN ENERGIZED AT ALL TIMES WITH EMERGENCY BATTERY PACK
MECHANICAL, METER, BICYCLE STORAGE, COMPACTOR & ELEVATOR MACHINE ROOM	LOCAL SWITCHES WITH OCCUPANCY SENSOR AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE
HOTEL GUESTROOMS (2ND TO 5TH FL.)	MASTER SWITCH BY ENTRY OF EACH ROOM THAT CONTROLS ALL PERMANENTLY WIRED LUMINARIES AND SWITCHED RECEPTACLES
EXTERIOR PARKING LOT, OUTDOOR CANOPY	LOCAL SWITCH WITH OUTDOOR DAYLIGHT SENSOR THAT AUTOMATICALLY TURNS OFF THE LIGHTING WHEN DAYLIGHT IS AVAILABLE
ROOF TERRACE	LOCAL SWITCH WITH MOTION SENSORS
ENTRANCE LOBBY BREAKFAST AREA	MASTER SWITCH BEHIND RECEPTION DESK/ BREAKFAST AREA THAT CONTROLS ALL PERMANENTLY WIRED LUMINARIES AND SWITCHED RECEPTACLES



NOTES

1. FLUSH MOUNTED MASTER REMOTE CONTROL TOGGLE 3 POSITION MOMENTARY CONTACT SWITCH WITH CENTER NEUTRAL POSITION ASCO #17342. PROVIDE IDENTIFICATION LABEL TO READ "MASTER LIGHTING CONTROL SWITCH".
2. CONNECT TO NEAREST RECEPTACLE CIRCUIT
3. WALL MOUNTED TIME CLOCK -120 VOLT OPERATION LED READOUT TORK, MODEL #DGUM-100-3 WITH MANUAL OVERRIDE FEATURE
4. PROVIDE (1) WALL MOUNTED MULTI-POLE RELAY EACH WITH (12) CONTACTS COIL TO OPERATE ON 120V, CONTACTS RATED FOR 120V LIGHTING CIRCUITS, ASCO #917 MOUNTED IN NEMA I ENCLOSURE TO CONTROL LIGHTING CIRCUITS INDICATED.

TIME CLOCK CONTROL – WIRING DIAGRAM

N.T.S.

C405.2.2.2 OCCUPANCY SENSORS.

AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED IN THE FOLLOWING SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINS. OF ALL OCCUPANTS LEAVING THE SPACE AS FOLLOW:

1. OCCUPANCY SENSORS SHALL BE INSTALLED IN ALL CLASSROOMS, MEETING ROOMS, EMPLOYEE BREAKROOMS, AND OFFICES SMALLER THAN 200 SF. THESE SHALL BE MANUAL-ON SWITCHES. SUCH SENSORS AND CONTROLS SHALL NOT HAVE AN OVERRIDE SWITCH THAT CONVERTS FROM MANUAL-ON TO AUTOMATIC-ON FUNCTIONALITY. THE OCCUPANCY SENSOR MAY HAVE A GRACE PERIOD OF UP TO 30 SECONDS TO TURN ON THE LIGHTING AUTOMATICALLY AFTER THE SENSOR HAS TURNED OFF THE LIGHTING IF OCCUPANCY IS DETECTED.

2. OCCUPANCY SENSORS SHALL BE INSTALLED IN RESTROOMS, STORAGE ROOMS, PRIVATE OFFICE 200 SF OR GREATER, JANITOR CLOSETS, AND OTHER SPACES 300 SF IN AREA OR LESS ENCLOSED BY FLOOR-TO-CEILING HT. PARTITIONS, EXCEPT FOR SPACES LISTED IN ITEM 1. THESE AUTOMATIC CONTROL DEVICES SHALL EITHER BE MANUAL-ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER.

C405.2.2.3 DAYLIGHT ZONE CONTROL

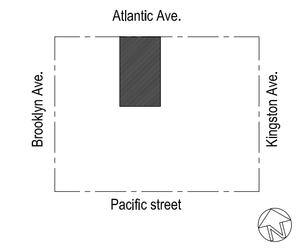
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C405.4 EXIT SIGNS (MANDATORY)

INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

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KEY PLAN:



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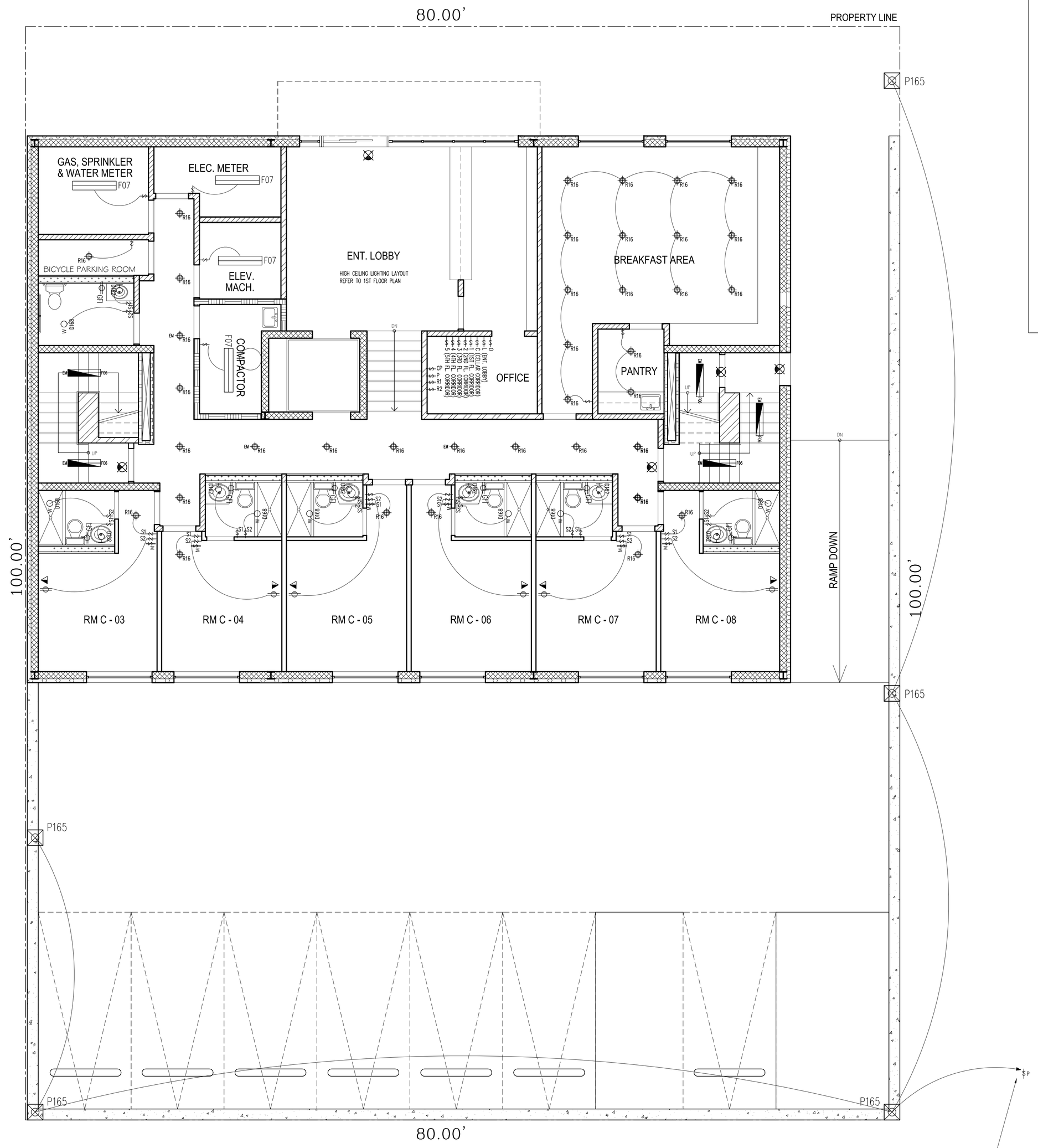
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

ELECTRICAL :
SYMBOLS, ABBREVIATIONS, NOTES

SEAL & SIGNATURE:

DATE:	01-23-14
PROJECT No:	201401
DRAWING BY:	CK
CHK BY:	MK
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CELLAR FLOOR PLAN

SCALE 3/16" = 1'-0"

C405.2.2.2 OCCUPANCY SENSORS.

AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED IN THE FOLLOWING SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINS. OF ALL OCCUPANTS LEAVING THE SPACE AS FOLLOW:

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C405.4 EXIT SIGNS (MANDATORY)

INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER
D162	D162	KICHLER LIGHTING 45088 FREEPORT 4 LIGHT WALL SCONCE (23 WATTS)
F07	F07	METALAX 48 IN. FLUORESCENT WRAP LIGHT (30 WATTS)
EM F06	F06	METALAX 36 IN. FLUORESCENT WRAP LIGHT (30 WATTS)
R16	R16	LIGHTOLIER 5" RECESSED LIGHT (23 WATTS)
W D168	D168	INFOR – IP65 – (15 WATTS) WATERPROOF LED LIGHT FOR BATHROOM
D180	D180	LITEBOX – 6" LED DOWNLIGHT MODULE (6.5 WATTS INPUT POWER)
P188	P188	WALL SCONE – LED LIGHT (13 WATTS INPUT POWER)
P165	P165	RAB LIGHTING – OUTDOOR LIGHT (42 WATTS) HIGH-OUTPUT, LONG-LIFE LED LIGHT
		EXIT LIGHT
		LIGHT SWITCHES
M		MASTER SWITCHES FOR THE GUESTROOMS

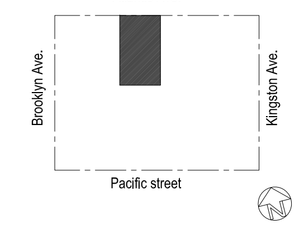
CELLAR FLOOR

LIGHT TYPE	QUANTITY
EM F06	5
F07	4
P165	5
R16	37
W D168	7
D162	7

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DOB APPROVAL STAMP

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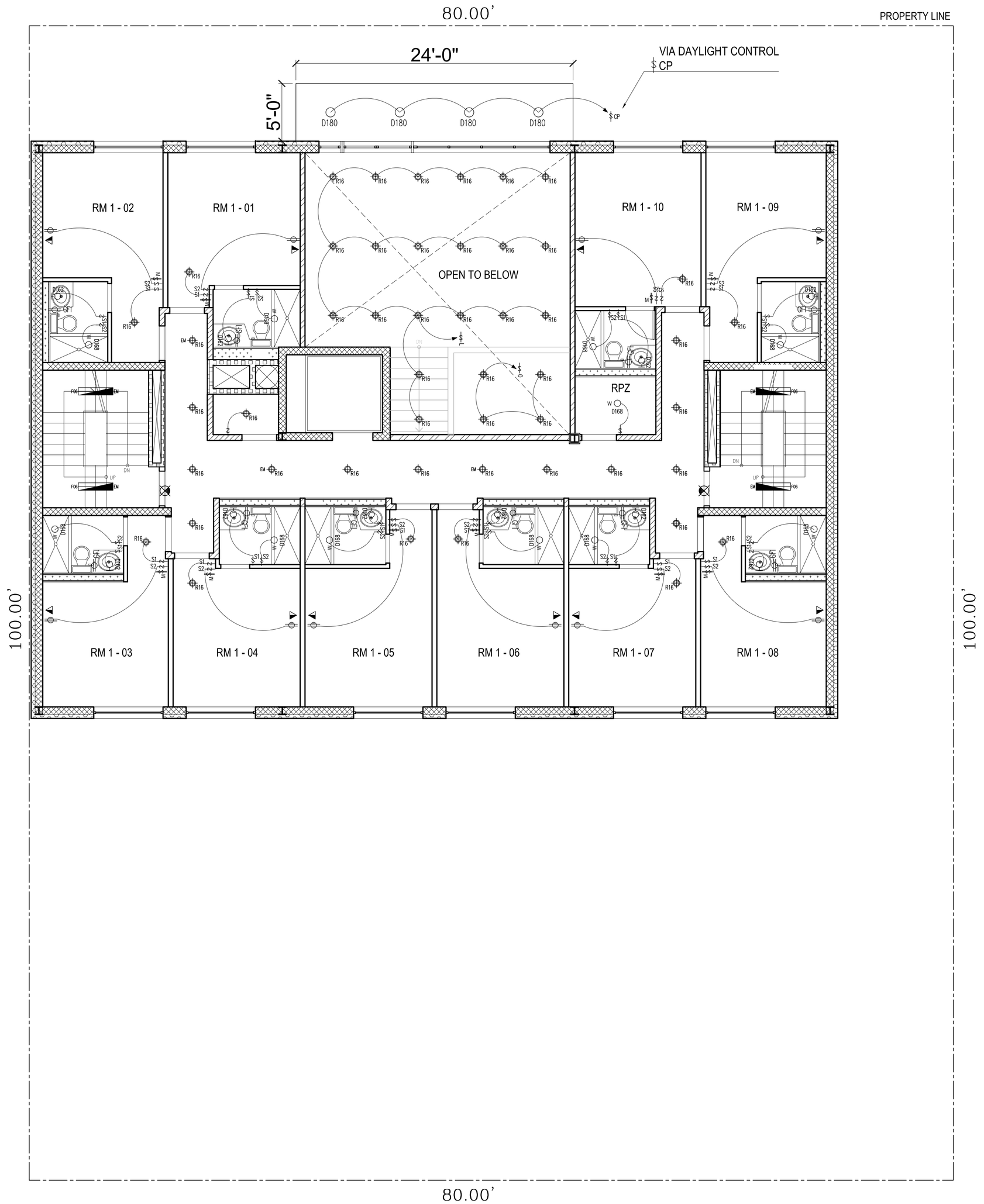
PROJECT TITLE:

1464 ATLANTIC AVE.
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CELLAR FLOOR LIGHTING PLAN

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1ST FLOOR PLAN

SCALE 3/16" = 1'-0"

C405.2.2.2 OCCUPANCY SENSORS.

AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED IN THE FOLLOWING SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINS. OF ALL OCCUPANTS LEAVING THE SPACE AS FOLLOW:

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C405.2.2.3 DAYLIGHT ZONE CONTROL

DAYLIGHT ZONES SHALL BE DESIGNED SUCH THAT LIGHTS IN THE DAYLIGHT ZONE ARE CONTROLLED INDEPENDENTLY OF GENERAL AREA LIGHTING AND ARE CONTROLLED IN ACCORDANCE WITH EITHER SECTION C405.2.2.3.1 OR SECTION C405.2.2.3.2.. EACH DAYLIGHT CONTROL ZONE SHALL NOT EXCEED 2500 SF. CONTIGUOUS DAYLIGHT ZONES ADJACENT TO VERTICAL FENESTRATION ARE ALLOWED TO BE CONTROLLED BY A SINGLE CONTROLLING DEVICE PROVIDED THAT THEY DO NOT INCLUDE ZONES FACING MORE THAN TWO ADJACENT CARDINAL ORIENTATIONS. DAYLIGHT ZONES UNDER SKYLIGHTS MORE THAN 15 FEET FROM THE PERIMETER SHALL BE CONTROLLED SEPARATELY FROM DAYLIGHT ZONES ADJACENT TO VERTICAL FENESTRATION.

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		EXIT LIGHT
$		LIGHT SWITCHES
M $		MASTER SWITCHES FOR THE GUESTROOMS

1ST FLOOR

LIGHT TYPE	QUANTITY
EM F06	4
D180	4
R16	49
W D168	11
D162	10

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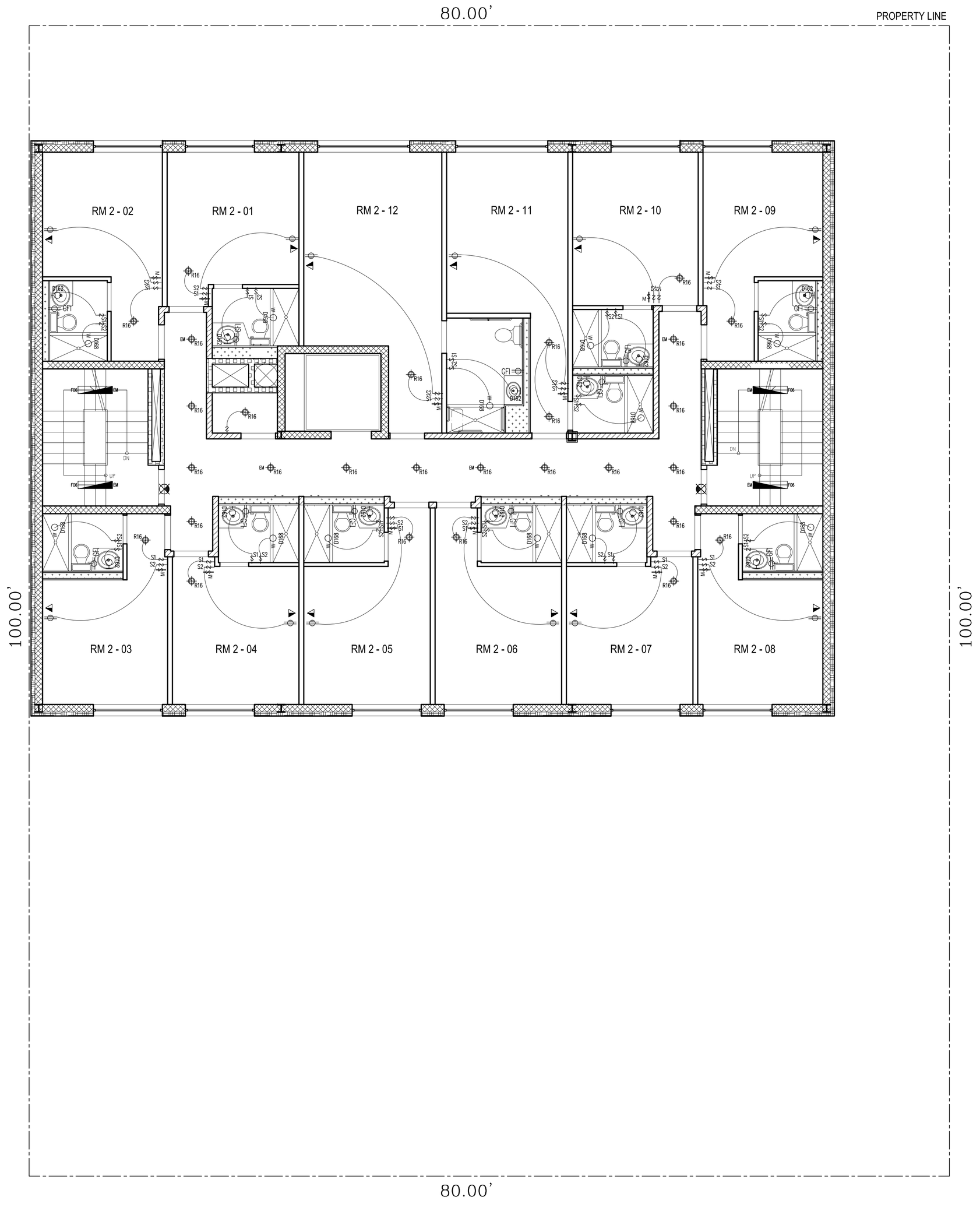
PROJECT TITLE:

1464 ATLANTIC AVE.
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FIRST FLOOR
LIGHTING PLAN

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2ND - 4TH FLOOR PLAN

SCALE 3/16" = 1'-0"

C405.2.2.2 OCCUPANCY SENSORS.

AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED IN THE FOLLOWING SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINS. OF ALL OCCUPANTS LEAVING THE SPACE AS FOLLOW:

1. OCCUPANCY SENSORS SHALL BE INSTALLED IN ALL CLASSROOMS, MEETING ROOMS, EMPLOYEE BREAKROOMS, AND OFFICES SMALLER THAN 200 SF. THESE SHALL BE MANUAL-ON SWITCHES. SUCH SENSORS AND CONTROLS SHALL NOT HAVE AN OVERRIDE SWITCH THAT CONVERTS FROM MANUAL-ON TO AUTOMATIC-ON FUNCTIONALITY. THE OCCUPANCY SENSOR MAY HAVE A GRACE PERIOD OF UP TO 30 SECONDS TO TURN ON THE LIGHTING AUTOMATICALLY AFTER THE SENSOR HAS TURNED OFF THE LIGHTING IF OCCUPANCY IS DETECTED.

2. OCCUPANCY SENSORS SHALL BE INSTALLED IN RESTROOMS, STORAGE ROOMS, PRIVATE OFFICE 200 SF OR GREATER, JANITOR CLOSETS, AND OTHER SPACES 300 SF IN AREA OR LESS ENCLOSED BY FLOOR-TO-CEILING HT. PARTITIONS, EXCEPT FOR SPACES LISTED IN ITEM 1. THESE AUTOMATIC CONTROL DEVICES SHALL EITHER BE MANUAL-ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER.

C405.2.2.3 DAYLIGHT ZONE CONTROL

DAYLIGHT ZONES SHALL BE DESIGNED SUCH THAT LIGHTS IN THE DAYLIGHT ZONE ARE CONTROLLED INDEPENDENTLY OF GENERAL AREA LIGHTING AND ARE CONTROLLED IN ACCORDANCE WITH EITHER SECTION C405.2.2.3.1 OR SECTION C405.2.2.3.2.. EACH DAYLIGHT CONTROL ZONE SHALL NOT EXCEED 2500 SF. CONTIGUOUS DAYLIGHT ZONES ADJACENT TO VERTICAL FENESTRATION ARE ALLOWED TO BE CONTROLLED BY A SINGLE CONTROLLING DEVICE PROVIDED THAT THEY DO NOT INCLUDE ZONES FACING MORE THAN TWO ADJACENT CARDINAL ORIENTATIONS. DAYLIGHT ZONES UNDER SKYLIGHTS MORE THAN 15 FEET FROM THE PERIMETER SHALL BE CONTROLLED SEPARATELY FROM DAYLIGHT ZONES ADJACENT TO VERTICAL FENESTRATION.

C405.4 EXIT SIGNS (MANDATORY)

INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER
D162	D162	KICHLER LIGHTING 45088 FREEPORT 4 LIGHT WALL SCONCE (23 WATTS)
F07	F07	METALAX 48 IN. FLUORESCENT WRAP LIGHT (30 WATTS)
EM F06	F06	METALAX 36 IN. FLUORESCENT WRAP LIGHT (30 WATTS)
R16	R16	LIGHTOLIER 5" RECESSED LIGHT (23 WATTS)
W D168	D168	INFOR – IP65 – (15 WATTS) WATERPROOF LED LIGHT FOR BATHROOM
D180	D180	LITEBOX – 6" LED DOWNLIGHT MODULE (6.5 WATTS INPUT POWER)
P188	P188	WALL SCONE – LED LIGHT (13 WATTS INPUT POWER)
P165	P165	RAB LIGHTING – OUTDOOR LIGHT (42 WATTS) HIGH-OUTPUT, LONG-LIFE LED LIGHT
		EXIT LIGHT
$		LIGHT SWITCHES
M $		MASTER SWITCHES FOR THE GUESTROOMS

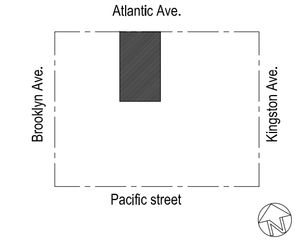
2ND, 3RD, 4TH FLOOR

LIGHT TYPE	QUANTITY
EM F06	4
R16	28
W D168	12
D162	12

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DOB APPROVAL STAMP

KEY PLAN:



REV.#	DATE	DESCRIPTION

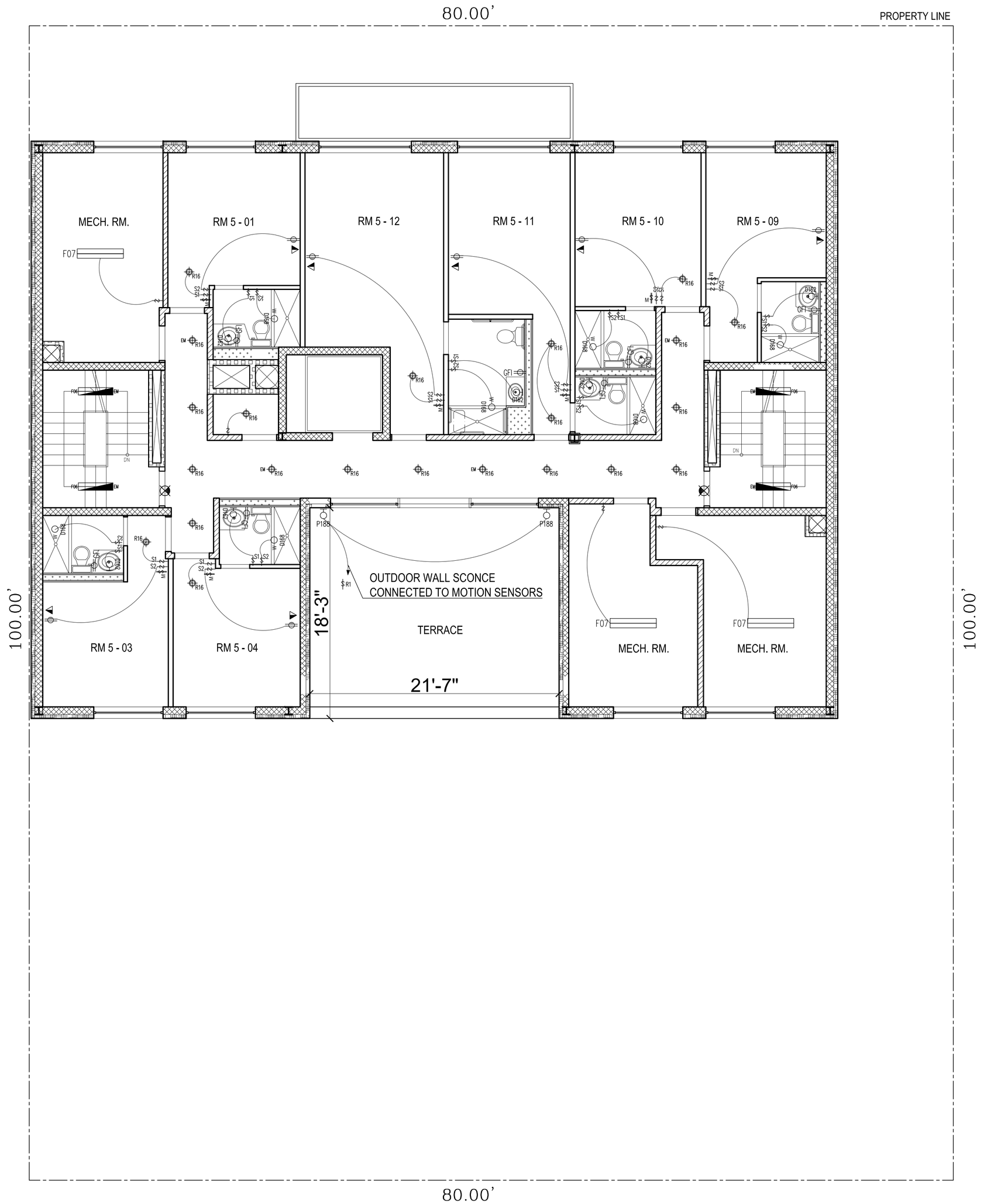
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

SECOND - FORTH FLOOR PLAN

SEAL & SIGNATURE:

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CHK BY:	MK
DWG No:	RCP-104.00
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5TH FLOOR PLAN

SCALE 3/16" = 1'-0"

C405.2.2.2 OCCUPANCY SENSORS.

AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED IN THE FOLLOWING SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINS. OF ALL OCCUPANTS LEAVING THE SPACE AS FOLLOW:

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C405.4 EXIT SIGNS (MANDATORY)

INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

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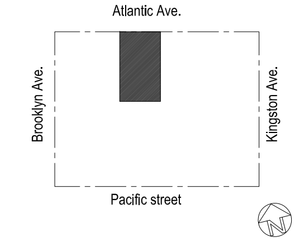
5TH FLOOR

LIGHT TYPE	QUANTITY
EM F06	4
F07	3
P188	2
R16	22
W D168	7
D162	7

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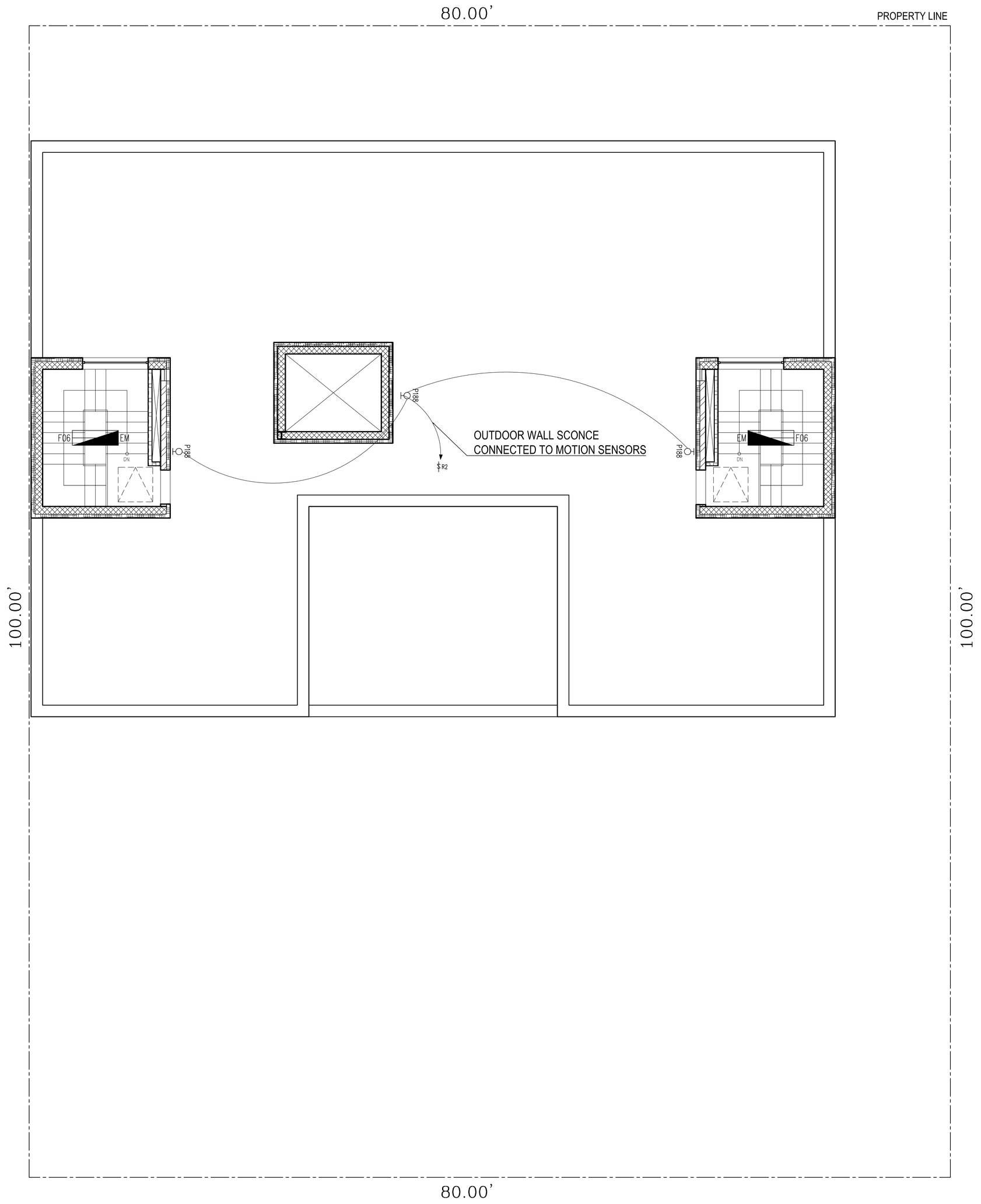
PROJECT TITLE:

1464 ATLANTIC AVE.
BROOKLYN, NEW YORK

FIFTH FLOOR PLAN

SEAL & SIGNATURE:

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ROOF PLAN

SCALE 3/16" = 1'-0"

115.53'

C405.2.2.2 OCCUPANCY SENSORS.

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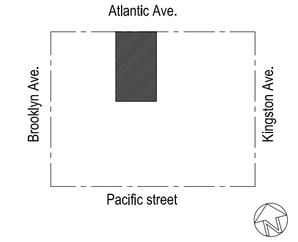
ROOF BULKHEAD

LIGHT TYPE	QUANTITY
EM F06	2
P188	3

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ROOF FLOOR PLAN

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