PLOT PLAN (SCALE: 3/32" = 1'-0")

LEGEND

F.F.	FIRST FLOOR ELEVATION	EB	ELECTRIC BOX
TC	TOP OF CURB	TB	TRAFFIC SIGNAL BOX
BC	BOTTOM OF CURB	CB	CATCH BASIN
CL	CENTERLINE	G	GAS VALVE
EL	SPOT ELEVATION	W	WATER VALVE
OHUL	OVERHEAD UTILITY LINES		HYDRANT
U	UTILITY HOLE		STREET SIGN
E	ELECTRIC MANHOLE		LIGHT POLE
T	TELEPHONE MANHOLE		CHAIN LINK FENCE
S	SEWER MANHOLE (SWH)		
W	WATER MANHOLE		

EAST GUN HILL ROAD (100' WIDE)

YARD
LANDS OF THE NEW YORK AND HARLEM RAILROADS
WILLIAMS BRIDGE STATION TRACK 4 PLATFORM

111.31' (111'-4")

NEW 6'-0"H CHAIN FENCE
3'-0" FROM PROPERTY LINE &
ENCROCH IN METRO-NORTH PROPERTY

13'-3" / 2" FROM LOT LINE

OLD FOUNDATION WALL

PROPOSED 6 STORIES
COMMERCIAL BUILDING
TAX LOT 410
LOT AREA=4,744.67 SQ ft.

51.42' (34'-4")

33.77' (23'-6")

2" FROM LOT LINE

TAX LOT 228
No. 3464
2 STORY MASONRY

TAX LOT 218
No. 3478
2 STORY MASONRY & CELLAR

TAX LOT 216

YARD LOWER

LOWER YARD

ENTRANCE

42'-6"

CANOPY

10'-0" SETBACK

NEW 6"H RETAINING WALL
T.O.W = 94.08'

NEW FENCE @ 3'-6"H

40'-0"

28'-7"

FF 92.2
GATE BOX

12"X12" VIEWING PANELS @ 25' C.C.
PER BC 3307.7.3
(TOP OF PANEL NO MORE THAN 6',
BOTTOM OF PANEL NO LESS THAN 3')

MAX. 3'-0" FROM LOT LINE

TEMPORARY CONSTRUCTION WOOD FENCE

112.70'

CONCRETE SIDEWALK

24 INCH COMBINED SEWER

12"X12" VIEWING PANELS @ 25' C.C.
PER BC 3307.7.3

25'-0"

166.74' (ACTUAL)

80°59'41"

FF 94.0

ON LINE

CANOPY

FENCE 8.1'W

STONE RET WALL

CHAIN LINK FENCE

STONE RET WALL

CONCRETE SIDEWALK

24 INCH COMBINED SEWER

(226.3'± BETWEEN SMH)

FLOW

RIM 94.99
INV 73.2

TC: 93.84
BC: 93.35
STREET CURB
BC: 93.06
TC: 93.61
TC: 93.08
BC: 92.86
132.0

EXIST. HYDRANT

TC: 92.90
BC: 92.61

METAL BOX

37±

188.1'±

12 INCH WATER MAIN

TWO WAY TRAFFIC

EXIST. ELECTRIC BOX

EXIST. LIGHT POLE

EXIST. TRAFFIC SIGN

EXIST. CLEAN OUT

EXIST. UTILITY POLE

STREET CURB

EXIST. ELECTRIC BOX

RIM 92.79
INV 74.0

TC: 92.78
BC: 92.46
TC: 92.71
BC: 92.36
TC: 92.43
BC: 92.05
TC: 91.96
BC: 91.77
TC: 91.68
BC: 91.42
TC: 91.39
BC: 91.09

EL: 92.75
EL: 92.30
EL: 92.01

RIM 88.92
INV 74.7

TC: 90.81
BC: 90.43
TC: 91.10
BC: 90.76

244.9'±

CL: 91.90
CL: 92.19
CL: 92.48
CL: 92.77
CL: 93.08
CL: 93.56
CL: 93.94
CL: 94.04
CL: 94.18
CL: 94.54
CL: 94.88
CL: 95.25

70'±
74'±
83'±

WEBSTER AVENUE
(IRREGULAR WIDTH WIDE STREET)

(ASPHALTIC ROADWAY)

115.3'±

(98.3'± BETWEEN SMH)

(98.6'± BETWEEN SMH)

RIM 95.10
INV 83.7

12 INCH COMBINED SEWER

FLOW

STREET CURB

BC: 94.66
TC: 95.21
BC: 94.05
TC: 94.19
BC: 93.85
TC: 94.15
BC: 93.37
TC: 93.68
BC: 93.22
TC: 93.45
BC: 93.10
TC: 93.22
BC: 92.73
TC: 93.67
BC: 92.24
TC: 92.73
BC: 91.88
TC: 91.92

RIM 93.62
INV 82.0

RIM 92.19
INV 80.4

379.6

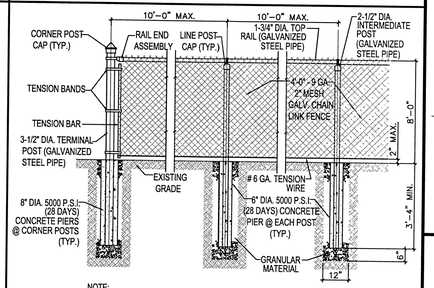
12 INCH COMBINED SEWER

STREET CURB

BC: 91.78
TC: 92.15
BC: 91.68
TC: 92.38
BC: 91.58
TC: 92.61

20 0 10 20 40 80

CHAIN FENCE DETAIL (SCALE: N.T.S.)



NOTE:
FENCING TO BE TIED TO TOP RAILS AND LINE POSTS WITH # 9 GA. WIRE SPACED AT 12"
BRACE ALL CORNERS & TERMINAL POSTS WITH 1-3/4" DIAMETER GALVANIZED STEEL PIPE & APPROPRIATE FASTENERS.

PROPERTY INFORMATION

3466 WEBSTER AVE., BRONX, NY. 10467
BLOCK: 3357
LOT: 410
ZONING DISTRICT: C4-4
ZONING MAP: 1d
CONSTRUCTION CLASS: I-B
USE GROUP: 5A, 4A
OCCUPANCY GROUP: R-1, B

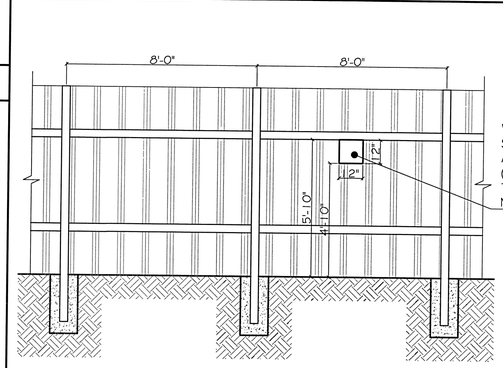
6 STORY COMMERCIAL BUILDING

PROPERTY FRONTAGE WIDTH = 112.70'

STREET TREE PLANTING NOTES

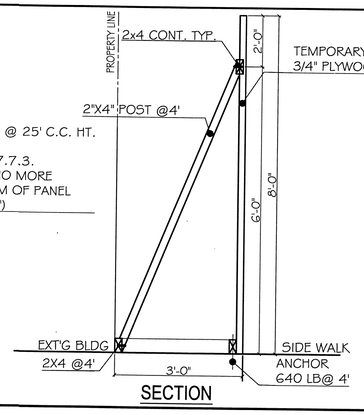
TOTAL NUMBER OF:
TREE REQUIRED BY NYC ZR 26-41 = 112.70' / 25 = 4.51 = 5
EXISTING TREES TO REMAIN = 0
EXISTING TREES TO BE REMOVED/ RELOCATED w/ NYC PARK DOCUMENTATION = 0
PROPOSED TREES TO BE PLANTED ON SITE = 0
TREES TO BE PLANTED OFF SITE = 0
TREES TO PAY INTO TREE FUND = 5

CONSTRUCTION WOOD FENCE DETAILS (SCALE: N.T.S.)



VIEWING PANELS @ 25' C.C. HT.
SIZE 12"X12"
AS PER BC 3307.7.3.
(TOP OF PANEL NO MORE THAN 6', BOTTOM OF PANEL NO LESS THAN 3')

ELEVATION



SECTION

TEMPORARY CONSTRUCTION FENCE
3/4" PLYWOOD GRADE 5-2 (APA)

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BLD. NO. 575
JUN 01 2017
THEODORE FINLEY

FENCE NOTES:

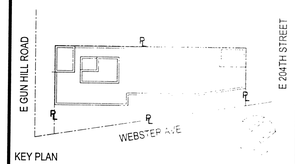
1. ALL LABOR, MATERIALS SHALL CONFORM TO BOCA 1987 AND LOCAL REGULATIONS AND UNIFORM FIRE CODE. ALL APPLICABLE CODES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND INFORM THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3. CONTRACTOR PROVIDE THE REQUIRED STREET BOND INSURANCE, WORKER'S COMPENSATION INSURANCE, THE DISABILITY INSURANCE, AND LIABILITY INSURANCE.
4. CONTRACTOR SHALL OBTAIN THE PERMIT FROM BUILDING DEPARTMENT.
5. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING, SUPPORT BRACING ETC. FOR SAFE INSTALLATION OF NEW FENCE.

CONTROL INSPECTION ITEM:

1. FINAL INSPECTION

MKA
MICHAEL KANG ARCHITECT, PLLC.
Architectural, Interior Design, Zoning & Building Code Expertise
37-01 Main Street, Suite 305, Flushing, NY 11354
Tel: (718) 353-2929
Fax: (718) 661-1849
MICHAEL KANG, RA

DEPT BLDGS Job No. 220551793
Scan Code ESHS376726



KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX NY

PLOT PLAN

SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG 026519 STATE OF NEW YORK

DATE: 7.14.16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
Z-101.00
PAGE No: 1 of 29

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 ENGINEER/ 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 AL 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 STRUCTURAL CHANGES TO BE MADE UNDER THIS APPLICATION.
10. DRAPES, CURTAINS, DECORATIONS, SCENERY TO BE FLAME PROOF AS PER B.S.A. CAL. 21 SEC C19-161-1.
11. ALL MATERIALS, ASSEMBLIES, FORMS, AND METHODS OF CONSTRUCTION & SERVICE EQUIPMENTS 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 ACCEPTED BY THE BOARD OF STANDARDS AND APPEAL.

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 IN PUBLIC HALLS & 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. D26-41.15 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

CARBON MONOXIDE & SMOKE DETECTOR NOTES

1. DWELLING UNITS SHALL BE EQUIPPED WITH CARBON MONOXIDE & SMOKE DETECTING DEVICES RECEIVING THEIR PRIMARY POWER FROM THE BUILDING WIRING AND THERE SHALL BE NO SWITCHES IN THE CIRCUIT OTHER THAN THE OVER CURRENT DEVICE PROTECTING THE BRANCH CIRCUIT
2. ALL CARBON MONOXIDE & SMOKE DETECTING DEVICES REQUIRED TO BE PROVIDED AND INSTALLED WITHER BE ACCEPTED PRESENT TO RULES AND REGULATIONS PROMULGATED BY THE COMMISSIONER, APPROVED BY THE BOARD OF STANDARD APPEALS OR BE LISTED BY A NATIONALLY RECOGNIZED INDEPENDENT LABORATORY THAT MAINTAINS PERIODIC INSPECTIONS OF PRODUCTION OF LISTED EQUIPMENT AND WHOSE LISTING STATES THAT EQUIPMENT MEETS NATIONALLY RECOGNIZED STANDARDS
3. NO DEVICE SHALL BE DEEMED TO BE IN COMPLIANCE UNLESS IT IS OF EITHER THE IONIZATION CHAMBER OR PHOTOELECTRIC TYPE. SUCH DEVICES SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF REFERENCE STANDARD RS-11 AND SHALL BE INSTALLED IN A MANNER CONSISTENT WITH THE REQUIREMENTS OF REFERENCE STANDARD RS-17-12
4. HARDWIRED CARBON MONOXIDE DETECTORS SHALL COMPLY WITH RX17-13 AND INSTALLED IN ACCORDANCE WITH RS-17-14. IT SHALL BE PROVIDED IN EVERY DWELLING UNIT WITHIN FIFTEEN FEET OF THE PRIMARY ENTRANCE OF EACH BEDROOM. HARDWIRE CARBON MONOXIDE DETECTORS SHALL BE PROVIDED OUTSIDE BOILER ROOM
5. HARDWIRED CARBON MONOXIDE DETECTORS SHALL COMPLY WITH BC 907 AND INSTALLED IN ACCORDANCE WITH BC 907. IT SHALL BE PROVIDED IN EVERY DWELLING UNIT WITHIN FIFTEEN FEET OF THE PRIMARY ENTRANCE OF EACH BEDROOM

ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 503)

OCCUPANCY GROUP		TYPE OF CONSTRUCTION	PROPOSED
		TYPE I-B	TYPE I-B
RESIDENTIAL (R-1)	HEIGHT	UL	61'-6"
	AREA	UL	16,017.46 S.F.
BUSINESS (B)	HEIGHT	UL	61'-6"
	AREA	UL	3,246.88 S.F.

DEP NOTES (WASTE WATER)

THE FACILITY DOES NOT CONTAIN ANY OF THE FOLLOWING FACILITY:

- BAKERY
- BIDETS
- CAR WASH
- CHEMICALS USED PROCESSING e.g. DYE PLANTS, PHOTO LABORATORIES
- COMMERCIAL LAUNDRY FACILITIES WITH 2 OR MORE COIN OPERATING MACHINES
- DELICATESSEN/ PREMISES WHERE FOOD IS PROCESSING
- DISTILLED BREWERIES
- FUNERAL PARLORS
- GREENHOUSES
- IN-GROUND IRRIGATION SPRINKLER
- WELLS (GROUNDWATER)
- MULTIPLE WATER SERVICES
- SEWAGE TREATMENT OR HANDLING
- VETERINARY OFFICES/ LABORATORIES
- WAREHOUSES (WITH TOXIC CHEMICALS STORAGE)
- WATER REUSE/ RECYCLING
- AUTO BODY/ REPAIR SHOPS
- BEAUTY SALONS OR BARBER SHOPS
- BUTCHERS (INCLUDES FISH MARKETS & LIVE STOCK)
- CHEMICAL TREATS BOILERS
- DRY-CLEANING ESTABLISHMENTS
- COMMERCIAL KITCHENS/ RESTAURANTS
- LARGE BOILERS (MORE THAN 350000 BTU)
- BOOSTER PUMPS
- GAS STATIONS AND/ OR MINI MARTS WITH SODA MACHINES OR COFFEE LINES
- HEAT EXCHANGERS WITH WATER (SINGLE WALL)
- PHARMACY
- PRESSURE TANKS
- PRIVATE WELLS
- SWIMMING POOLS/ COMMERCIAL SWIMMING POOLS
- METAL MANUFACTURING, CLEANING, PROCESSING OR FABRICATING PLANTS
- WATER COOLED EQUIPMENT OR CHILLERS
- WATER STORAGE TANKS

MULTIPLE DWELLING LAW OF .N.Y. STATES

MULTIPLE DWELLING SHALL COMPLY WITH CHAPTER 713 OF THE LAW OF 1929
AN ACT IN RELATION TO MULTIPLE DWELLINGS, CONSISTING CHAPTER SIXTY-ONE-A OF CONSOLIDATED LAWS BECAME A LAW APRIL 18, 1929, WITH THE APPROVAL OF 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. INTRODUCING 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 VENTILATION 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 AD 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. MIRROR IN CONNECTION WITH SELF-SERVICE ELEVATORS
SECTION 51-C. RIGHTS OF TENANTS TO INSTALL AND MAINTAIN A 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 DRAINAGES
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. SEPARATION AND VENTILATION OF STAIRS
SECTION 106. CELLAR AND BASEMENT STAIRS
SECTION 107. PUBLIC HALLS
SECTION 108. PARTITIONS
TITLE 2 - SANITATION

SECTION 115. INTERIOR WATER-CLOSETS AND BATHROOMS
SECTION 116. WATER-CLOSETS IN CERTAIN CLASS B MULTIPLE DWELLINGS
SECTION 107. EMPLOYEES' WATER-CLOSETS

APPLICATION NOTES

1. SITE CONNECTION IS FILED UNDER SEPARATE APPLICATION
2. BUILDER'S PAVEMENT PLAN IS FILED UNDER SEPARATE APPLICATION
3. ELEVATOR IS FILED UNDER SEPARATE APPLICATION
4. DEMOLITION IS FILED UNDER SEPARATE APPLICATION
5. SITE SAFETY PLAN IS FILED UNDER SEPARATE APPLICATION

SPECIAL INSPECTIONS

SITE STORM DRAINAGE DISPOSAL AND DETENTION SYSTEM INSTALLATION	BC 1704.20
FIRE STOPS, DRAFTSTOP, AND FIREBLOCK SYSTEMS	BC 1704.25
FIRE-RESISTANCE RATED CONSTRUCTION	BC 109.3.4
MASONRY	BC 1704.5
SOILS - SITE PREPARATION	BC 1704.7.1
EXCAVATION - SHEETING, SHORING AND BRACING	BC 1704.19, BC 3304.4.1
FOOTING AND FOUNDATION	BC 109.3.1
MECHANICAL SYSTEMS	BC 1704.15
SPRINKLER SYSTEMS	BC 1704.21
ENERGY CODE COMPLIANCE INSPECTIONS	BC 109.3.5
CONCRETE-CAST-IN-PLACE	BC 1704.4
SOILS-INVESTIGATIONS [BORINGS/TEST PITS]	BC 1704.7.4
CONCRETE TEST CYLINDERS (TR2)	BC 1905.6
TABLE REFERENCE IN 1RCNY S5000-01(H)(1) AND (2)	TR8 ITEMS
FENESTRATION THERMAL	(IA3), (IIA3)
HVAC AND SERVICE WATER HEATING EQUIPMENT	(IB3), (IIB4)
HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS	(IB4), (IIB4)
DUCT PLENUM AND PIPING INSULATION AND SEALING	(IB5), (IIB5)
DUCT LEAKAGE TESTING	(IB6), (IIB6)
LIGHTING IN DWELLING UNITS	(IC2), (IIC2)
LIGHTING CONTROLS	(IIC5)
FENESTRATION AREAS	(IA5)(IIA5)
INTERIOR LIGHTING POWER	(IIC3)

FIRE WALL FIRE-RESISTANCE RATINGS (BC TABLE 706.4)

OCCUPANCY GROUP	FIRE-RESISTANCE RATINGS (HOURS)	PROPOSED FIRE-RESISTANCE RATINGS (HOURS)	OK
A, B, E, H-4, I, R-1, R-2	3	3	√
F-1, H-3, H-5, M, S-1	3	3	√

FIRE-RESISTANCE RATING REQUIREMENTS FOR FIRE BARRIER ASSEMBLIES BETWEEN FIRE AREAS (BC TABLE 707.3.9)

OCCUPANCY GROUP	FIRE-RESISTANCE RATINGS (HOURS)	PROPOSED FIRE-RESISTANCE RATINGS (HOURS)	OK
A, B, E, F-2, H-4, H-5, I, M, R, S-2	2	2	√

FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS (BC TABLE 715.4)

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (HOURS)	MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING (HOURS)	PROPOSED MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING (HOURS)	OK
FIRE WALLS AND FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTANCE RATING GREATER THAN 1 HOUR	4 3 2 1 1/2	3 3 1 1/2 1 1/2	3 1 1/2	√
FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTANCE RATING OF 1 HOUR: SHAFT, EXIT ENCLOSURE AND EXIT PASSAGEWAY WALLS OTHER FIRE BARRIERS	 1 1	 1 3/4	 1 1/2	√
FIRE PARTITIONS: CORRIDOR WALLS OTHER PARTITIONS	1 1	3/4 3/4	1 1/2 1 1/2	√
EXTERIOR WALLS	3 2 1	1 1/2 1 1/2 3/4	1 1/2	√

INCIDENTAL USES AREAS (BC TABLE 509)

ROOM OR AREA	SEPARATION AND/ OR PROTECTION	PROPOSED SEPARATION AND/ OR PROTECTION	OK
ROOMS THAT CONTAINS A LOW PRESSURE STEAM OR WATER BOILER REGARDLESS OF BTU PER HOUR INPUT	1 HOUR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM	2 HOUR	√

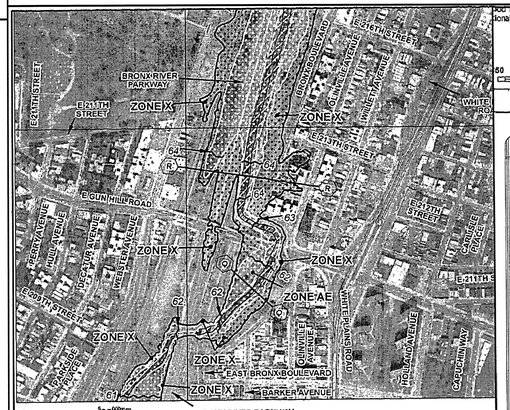
FIRE-RESISTANCE RATING REQUIREMENT FOR BUILDING ELEMENTS (HOURS) (TABLE 601)

BUILDING ELEMENT	TYPE I
	B
PRIMARY STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	2
BEARING WALLS - EXTERIOR	2
BEARING WALLS - INTERIOR	2
NONBEARING WALLS AND PARTITIONS - EXTERIOR	SEE TABLE 602
NONBEARING WALLS AND PARTITIONS - INTERIOR	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS INCLUDING SUPPORTING BEAMS AND JOISTS	2
ROOF CONSTRUCTION AND SECONDARY MEMBERS INCLUDING SUPPORTING BEAMS AND JOISTS	2

FIRE-RESISTANCE RATING REQUIREMENT FOR EXTERIOR WALL BASED ON FIRE SEPARATION DISTANCE (TABLE 602)

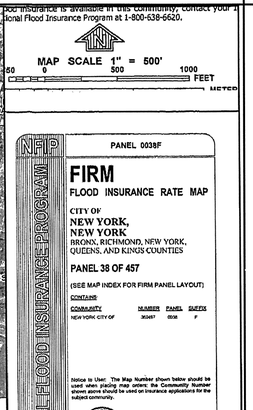
FIRE SEPARATION DISTANCE = X (FEET)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H	OCCUPANCY GROUP F-1, M, S-1	OCCUPANCY GROUP A, B, E, F-2 I R, S-2, U	PROPOSED	OK
X < 5	ALL	3	2	1	3	√
5 ≤ X < 10	IA OTHERS	3 2	2 1	1 1	NOT REQUIRED	-
10 ≤ X < 30	IA, IB IIB, VB OTHERS	2 1 1	1 0 1	1 0 1	NOT REQUIRED	-
X ≥ 30	ALL	0	0	0	0	√

FLOOD MAP

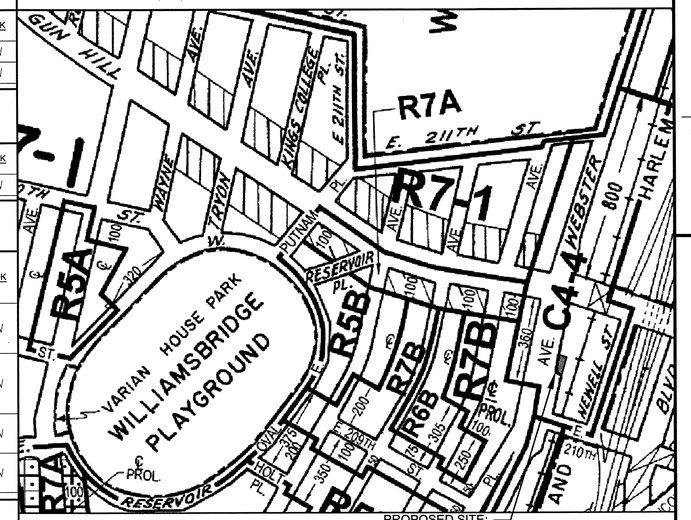


2'30" 95°00'00"E

DEPT BLDGS Job No. 220551793
Scan Code ESHS1367833



ZONING MAP (1d)



PROPOSED SITE:
3466 WEBSTER AVE.
BRONX, NY. 10467
BLOCK: 3357
LOT: 410
ZONING DISTRICT: C4-4

LEGEND

- 1 HOUR RATED GWB PARTITION
- 2 HOUR RATED GWB PARTITION
- 2 HOUR RATED CHASE WALL
- FURRED 8" CMU WALL
- 3 HOUR RATED 8" CMU WALL
- METAL PANEL / 8" SOLID CONCRETE EXTERIOR WALL
- STUCCO / STEEL FRAME EXTERIOR WALL
- STUCCO / 8" SOLID CONCRETE EXTERIOR WALL
- (RD) ROOF DRAIN
- (S) SMOKE & CARBON MONOXIDE DETECTOR COMBINATION
- EXIT SIGN
- 1 / A-101 DETAIL
- 2 / A-101 ELEVATION
- 3 / A-101 BUILDING SECTION
- 1 WALL/ PARTITION TYPE
- 1 WINDOW TYPE
- 1 DOOR TYPE

DRAWING LIST

Z-101.00	PLOT PLAN
Z-102.00	ZONING MAP, FLOOD MAP, NOTES, FIRE RESISTANT RATING & DRAWING LIST
Z-103.00	ZONING CALCULATIONS
Z-104.00	ZONING DIAGRAMS & EGRESS
Z-105.00	TRAVEL DISTANCE DIAGRAMS
A-101.00	CELLAR FLOOR PLAN
A-102.00	1ST FLOOR PLAN
A-103.00	2ND TO 5TH FLOOR PLAN
A-104.00	6TH FLOOR PLAN
A-105.00	ROOF PLAN
A-106.00	BULKHEAD PLAN
A-107.00	BUILDING ELEVATION - WEST (WEBSTER STREET)
A-108.00	BUILDING ELEVATION - NORTH & SOUTH
A-109.00	BUILDING ELEVATION - EAST
A-110.00	BUILDING SECTION
A-111.00	BUILDING SECTION
A-112.00	PARTITION TYPES & FINISH SCHEDULES
A-113.00	DOOR & WINDOW SCHEDULES
A-114.00	ADA
EN-101.00	ENERGY ANALYSIS - ENVELOPE & WALL DETAILS
EN-102.00	ENERGY ANALYSIS - THERMAL ENVELOPE & AREA DIAGRAMS
EN-103.00	ENERGY ANALYSIS - LIGHTING
EN-104.00	ENERGY ANALYSIS - INSPECTION CHECKLIST
EN-105.00	ENERGY ANALYSIS - INSPECTION CHECKLIST & PROGRESS INSPECTIONS
EN-106.00	CELLAR REFLECTED CEILING PLAN
EN-107.00	1ST FLOOR REFLECTED CEILING PLAN
EN-108.00	2ND TO 5TH FLOOR REFLECTED CEILING PLAN
EN-109.00	6TH FLOOR REFLECTED CEILING PLAN
EN-110.00	ROOF REFLECTED CEILING PLAN

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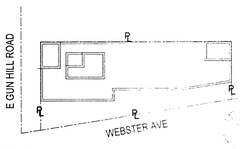


KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT

3466 WEBSTER AVENUE
BRONX, NY

ZONING MAP, FLOOD MAP, NOTES, FIRE RESISTANT RATING & DRAWING LISTS

SEAL & SIGNATURE

REVIEWED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BC NO. 27-3

JUN 0 7 2017

THEODORE FINLEY

DATE 7/14/16
PROJECT No. 201603
DRAWN BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:

Z-102.00

PAGE No: 2 of 29

ZONING CALCULATIONS & REGULATIONS (SEE Z-104.00 FOR ZONING DIAGRAMS)

ADDRESS: 3466 WEBSTER AVENUE, BRONX, NY. 10467
BLOCK: 3357
LOT: 410

ZONING DISTRICT: C4-4

ZONING MAP: 1d

ZONING USE GROUP: 5A (HOTELS, TRANSIENT)
4A (AMBULATORY DIAGNOSTIC AND TREATMENT HEALTH CARE FACILITY - LIMITED TO LOCATION WITHIN BUILDING)

OCCUPANCY GROUP: R-1 (HOTELS, TRANSIENT)
B (BUSINESS)

CONSTRUCTION CLASS: I-B

NUMBER OF STORIES: 6 STORIES WITH CELLAR

BUILDING HEIGHT: 61'-6"

LOT AREA: 4,744.67 S.F.

PROPOSED LOT COVERAGE: 3,313.69 S.F. = 70%

ZR 33-123 MAXIMUM FAR FOR C4-4 COMMERCIAL = 3.40
PERMITTED AREA = 4,744.67 x 3.40 = 16,131.88 S.F.
PROPOSED AREA = 16,017.46 S.F. < 16,131.88 S.F. ...O.K.√
PROPOSED FAR = 3.38 < 3.40 ...O.K.√

MAXIMUM FAR FOR C4-4 COMMUNITY FACILITY = 6.50
PERMITTED AREA = 4,744.67 x 6.50 = 30,840.36 S.F.
PROPOSED AREA = 3,246.88 S.F. < 30,840.36 S.F. ...O.K.√
PROPOSED FAR = 0.68 < 6.50 ...O.K.√

MAXIMUM FAR FOR BUILDING USED IN BOTH COMMERCIAL & COMMUNITY FACILITY IN C4-4 = 6.50
PROPOSED FAR = 3.38 + 0.68 = 4.06 < 6.50 ...O.K.√

FLOOR AREA CALCULATION

FLOOR	GUESTROOM	GROSS AREA		DEDUCTION AREA		FLOOR AREA	
		HOTEL	HEALTH CENTER	HOTEL	HEALTH CENTER	HOTEL	COMMUNITY FACILITY
CELLAR		4,708.56 S.F.					
1ST FL.	7	3,313.69 S.F.		147.27 S.F.		3,166.42 S.F.	
2ND FL.	10	3,313.69 S.F.		100.93 S.F.		3,212.76 S.F.	
3RD FL.	10	3,313.69 S.F.		100.93 S.F.		3,212.76 S.F.	
4TH FL.	10	3,313.69 S.F.		100.93 S.F.		3,212.76 S.F.	
5TH FL.	10	3,313.69 S.F.		100.93 S.F.		3,212.76 S.F.	
6TH FL.			3,313.69 S.F.		66.81 S.F.		3,246.88 S.F.
BULKHEAD		690.41 S.F.					
TOTAL	47	21,967.42 S.F.	3,313.69 S.F.	550.99 S.F.	66.81 S.F.	16,017.46 S.F.	3,246.88 S.F.

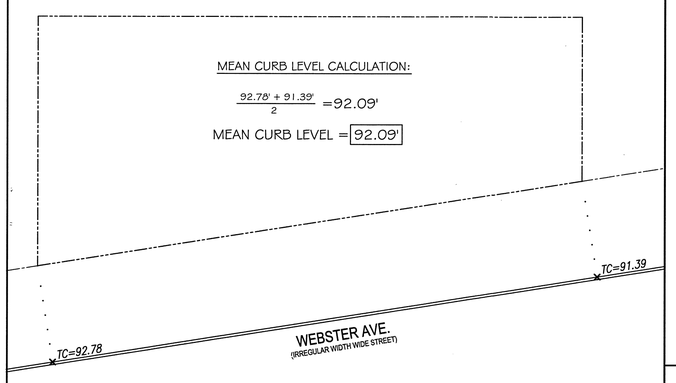
TOTAL BUILDING GROSS AREA = 21,967.42(HOTEL) + 3,313.69(COMMUNITY FACILITY) = 25,281.11 S.F.

TOTAL BUILDING NET AREA = 16,017.46(HOTEL) + 3,246.88(COMMUNITY FACILITY) = 19,264.34 S.F.

GUESTROOM CALCULATION

FLOOR	KING	D/D	ADA	TOTAL
CELLAR	0	0	0	0
1ST FL.	4	3	0	7
2ND FL.	6	3	1	10
3RD FL.	6	3	1	10
4TH FL.	6	3	1	10
5TH FL.	6	3	1	10
TOTAL	28 (60%)	15 (32%)	4 (8%)	47 (100%)

AVERAGE MEAN CURB LEVEL CALCULATION



ZR 26-41/ ZR 33-03 STREET TREE PLANTING

ZR SECTION		REQUIRED	PROPOSED	REMARKS	OK
ZR 26-41 ZR 33-03(a)	STREET TREE PLANTING	5	5 (PAY INTO TREE FUND)	REQUIRED 1 STREET TREE, PRE-EXISTING OR NEWLY PLANTED FOR EVERY 25 FT. OF STREET FOOTAGE OF THE ZONING LOT 112.70' / 25 = 4.5	√

ZR 33-24 YARD REGULATIONS

ZR SECTION		REQUIRED/ ALLOWED	PROPOSED	REMARKS	OK
ZR 33-25	SIDE YARDS	0	0	NO SIDE YARDS ARE REQUIRED	√
ZR 33-27(a)	REAR YARDS	0	0	NO REAR YARD IS REQUIRED ON ANY INTERIOR LOT WITH A MAXIMUM DEPTH OF 50'-0" OR LESS (LOT DEPTH = 33'-7 1/2" ~ 51'-2 1/2")	√

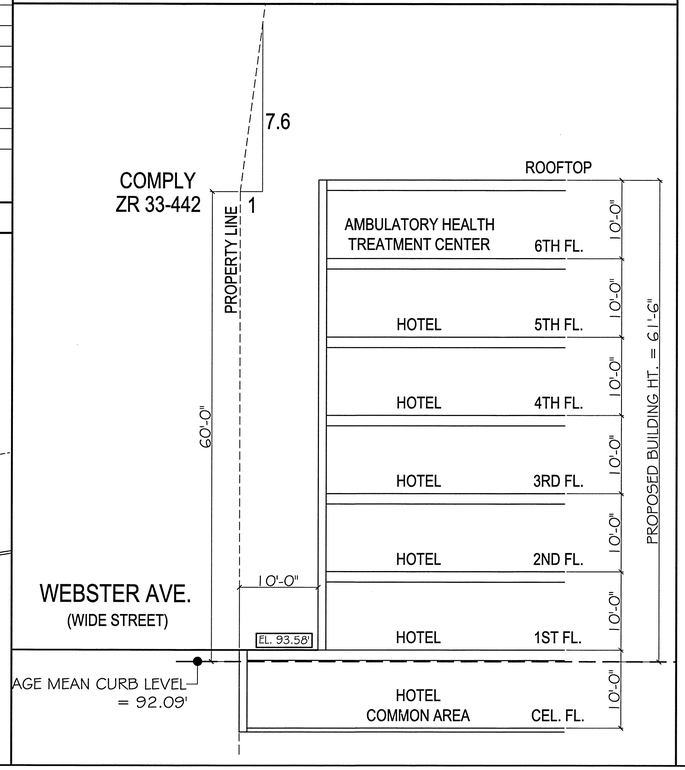
ZR 33-442 HEIGHT AND SETBACK REGULATIONS

ZR SECTION		REQUIRED	PROPOSED	REMARKS	OK
ZR 33-442	ALTERNATE REQUIRED FRONT SETBACK	10'-0"	10'-0"	10'-0" FRONT OPEN AREA IS REQUIRED ON WIDE STREET. IF FRONT WALL EXCEEDS MAX. HEIGHT OF 60'-0, SLOPE OVER ZONING LOT A 7.6(VERTICAL) TO 1(HORIZONTAL) IS REQUIRED	√

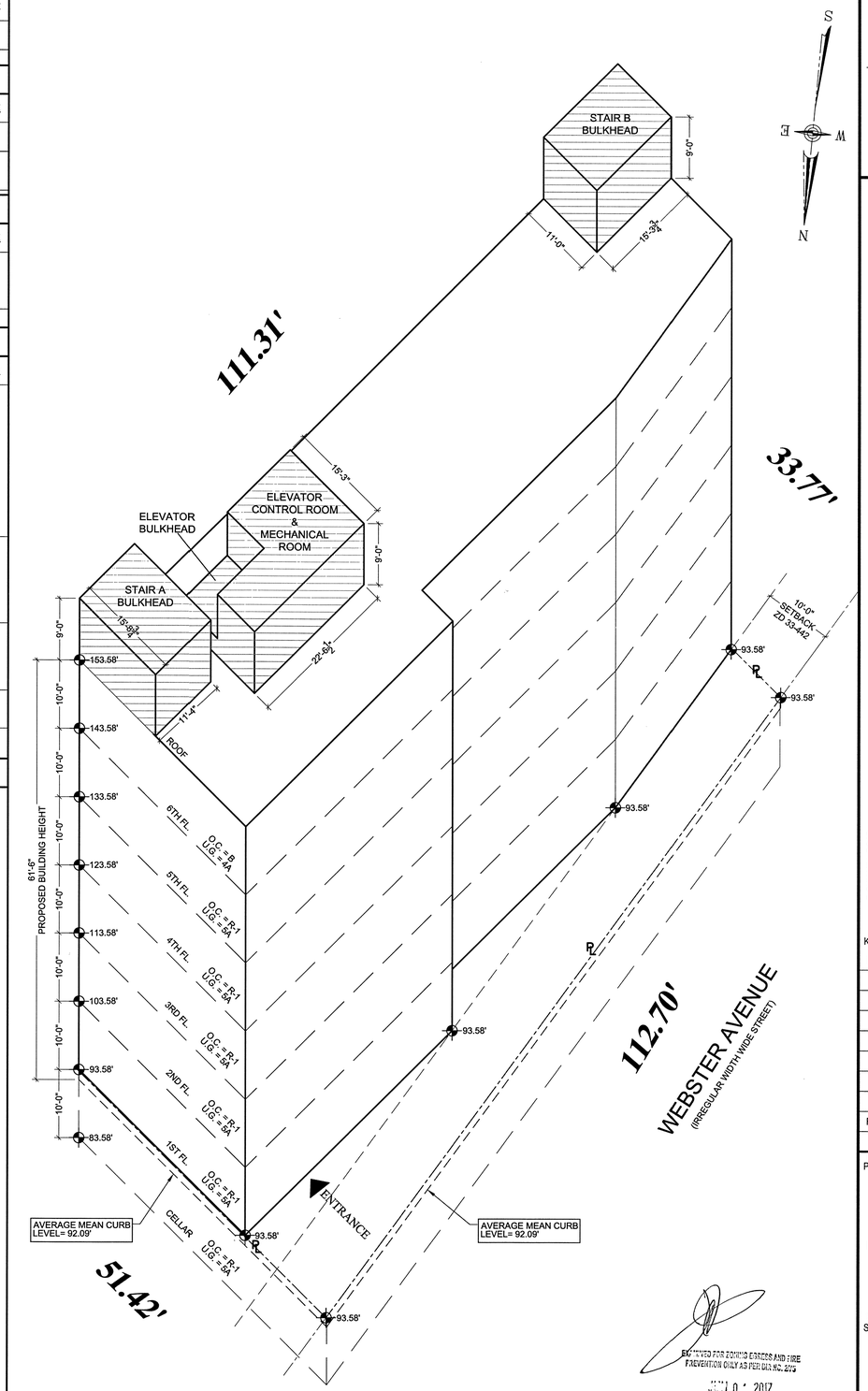
ZR 36-00 ACCESSORY OFF-STREET PARKING AND LOADING REGULATIONS

ZR SECTION		REQUIRED/ ALLOWED	WAIVED	PROPOSED	REMARKS	OK
ZR 36-21	OFF-STREET PARKING SPACE	11	< 40	0	REQUIRED 1 PARKING SPACE PER 12 GUESTROOMS FOR HOTEL ACCOMODATIONS USE IN DISTRICT C4-4 PROPOSED 47 GUESTROOMS = 4 PARKING SPACES	√
					REQUIRED 1 PARKING SPACE PER 25 PERSONS RATED CAPACITY FOR HOTEL COMMON AREA USE IN DISTRICT C4-4 PROPOSED 69(CELLAR) + 14(LOBBY) = 3.32 = 4 PARKING SPACES	
					REQUIRED 1 PARKING SPACE PER 1,000 S.F. FOR COMMUNITY FACILITY(HEALTH CARE) USE IN DISTRICT C4-4 PROPOSED 3,246.88 S.F. = 3 PARKING SPACES	
ZR 36-232	WAIVER PROVISIONS FOR OFF-STREET PARKING SPACE				THE TOTAL NUMBER OF PARKING SPACES REQUIRED IS LESS THAN 40 CAN BE WAIVED IN DISTRICT C4-4	
ZR 36-62	OFF-STREET LOADING BERTHS	0		0	NO LOADING BERTHS REQUIRED FOR HOTEL LESS THAN 100,000 S.F. IN DISTRICT C4-4 PROPOSED HOTEL AREA = 16,017.46 S.F. < 100,000 S.F.	√
					NO LOADING BERTHS REQUIRED FOR AMBULATORY HEALTH TREATMENT CENTER(COMMUNITY FACILITY) LESS THAN 10,000 S.F. PROPOSED C.F. AREA = 3,246.88 S.F. < 10,000 S.F.	
ZR 36-71	BICYCLE PARKING SPACES	2		2 (1ST FLOOR)	USE GROUP 5A(HOTEL) IN DISTRICT C6 REQUIRED 1 PER 10,000 S.F. PROPOSED HOTEL AREA = 16,017.46 S.F. / 10,000 = 1.60	√
		1		1 (1ST FLOOR)	USE GROUP 4(AMBULATORY HEALTH TREATMENT CENTER) IN DISTRICT C6 REQUIRED 1 PER 10,000 S.F. PROPOSED AREA = 3,246.88 S.F.	
ZR 36-75	BICYCLE PARKING SPACE EXEMPTED FROM FLOOR AREA	45.00 S.F		45.00 S.F.	FLOOR AREA CAN BE EXEMPTED = # OF REQUIRED BICYCLE PARKING SPACE MULTIPLIED BY 15 S.F. (3 X 15 S.F. = 45.00 S.F)	√

ZR 33-442 SKY EXPOSURE PLANE



HEIGHT & SETBACK DIAGRAM



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OCT 10 2017
THEODORE FINLEY

PERMITTED OBSTRUCTION

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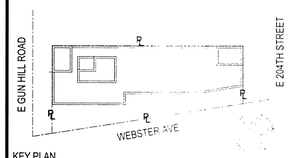


REV.#	DATE	DESCRIPTION

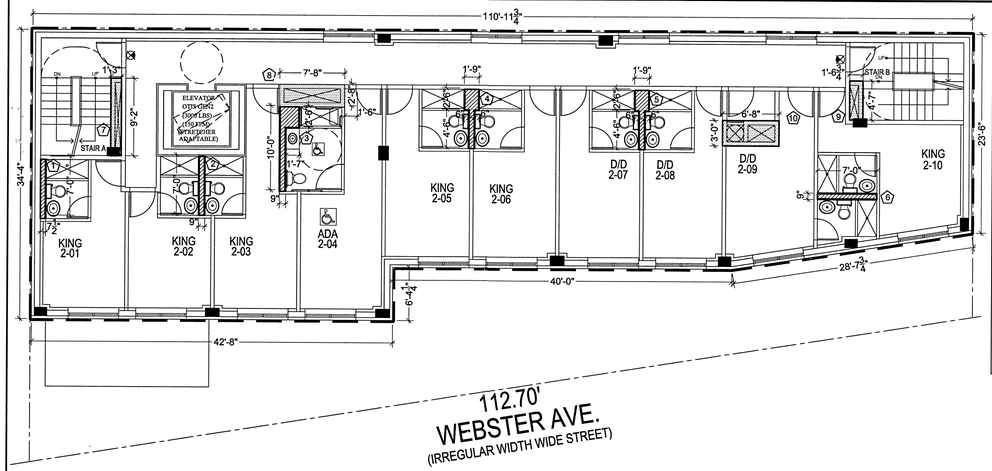
PROJECT
3466 WEBSTER AVENUE
BRONX, NY

ZONING CALCULATIONS

SEAL & SIGNATURE

DATE 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
Z-103.00
PAGE No: 3 of 29

ZONING DIAGRAMS (SEE Z.103.00 FOR ZONING CALCULATION)



2ND to 5TH FL. PLAN

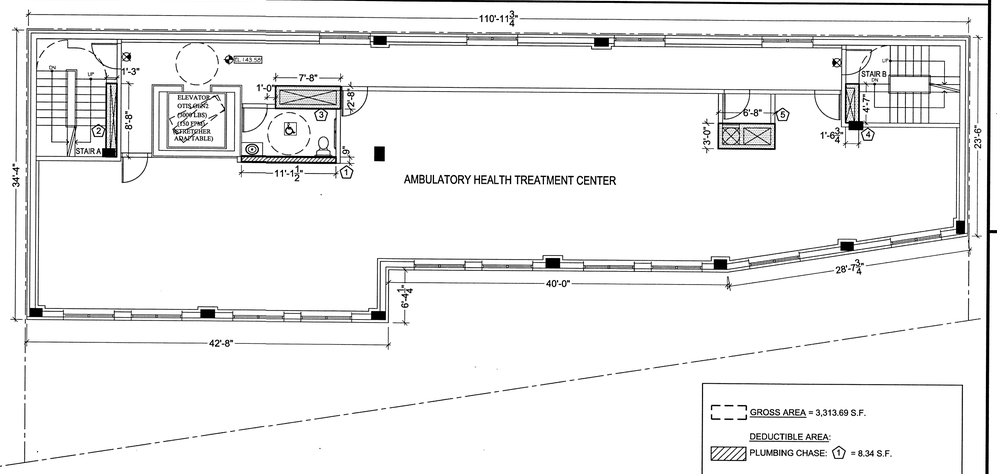
GROSS AREA = 3,313.69 S.F.

DEDUCTIBLE AREA:

PLUMBING CHASE: (1) = 4.38 S.F.
(2) = 5.25 S.F.
(3) = 11.46 S.F.
(4) = 7.75 S.F.
(5) = 7.75 S.F.
(6) = 5.25 S.F.
TOTAL = 41.84 S.F.

MECHANICAL CHASE (7) = 11.47 S.F.
(8) = 20.47 S.F.
(9) = 7.15 S.F.
(10) = 20.00 S.F.
TOTAL = 59.09 S.F.

NET AREA:
3313.69(GROSS) - 41.84(PLUMBING) - 59.09(MECH.)
= 3,212.76 S.F.



6TH FL. PLAN

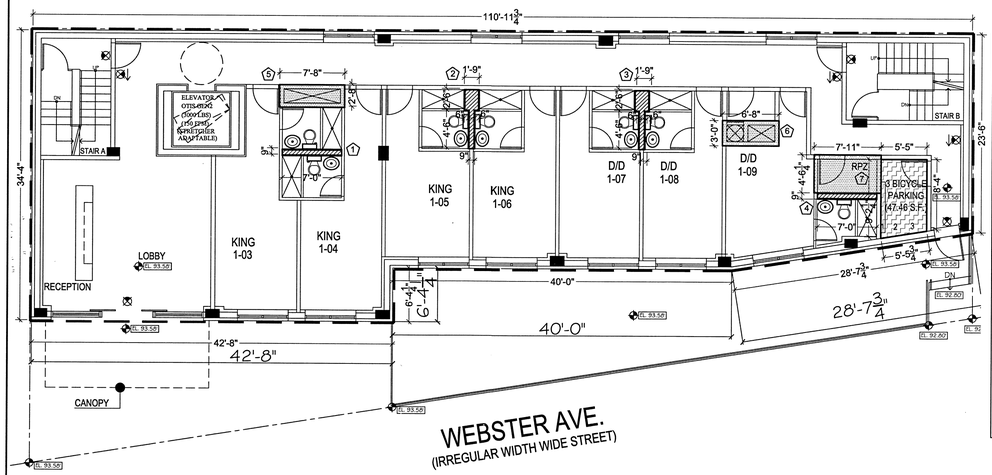
GROSS AREA = 3,313.69 S.F.

DEDUCTIBLE AREA:

PLUMBING CHASE: (1) = 8.34 S.F.

MECHANICAL CHASE (2) = 10.85 S.F.
(3) = 20.47 S.F.
(4) = 7.15 S.F.
(5) = 20.00 S.F.
TOTAL = 58.47 S.F.

NET AREA:
3313.69(GROSS) - 8.34(PLUMBING) - 58.47(MECH.)
= 3,246.88 S.F.



1ST FL. PLAN

GROSS AREA = 3,313.69 S.F.

DEDUCTIBLE AREA:

PLUMBING CHASE: (1) = 5.25 S.F.
(2) = 7.75 S.F.
(3) = 7.75 S.F.
(4) = 5.25 S.F.
TOTAL = 26.00 S.F.

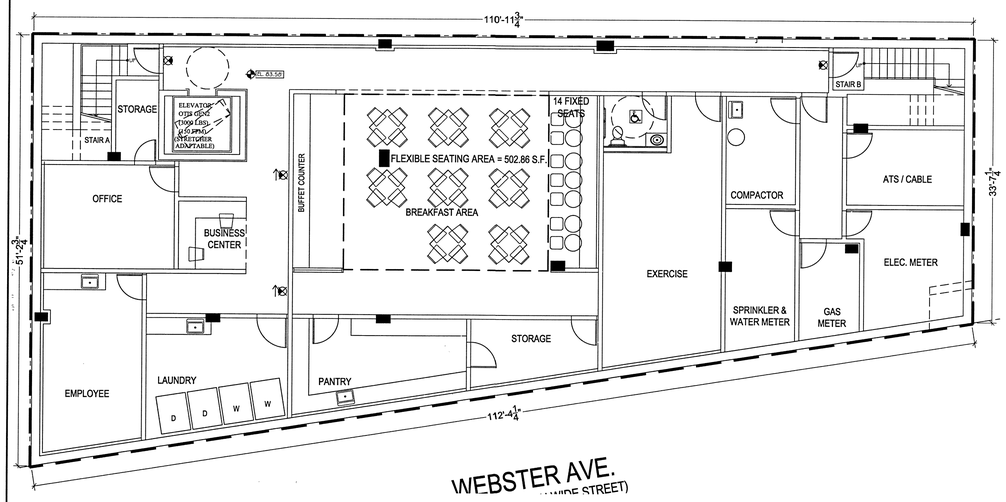
MECHANICAL CHASE (5) = 20.47 S.F
(6) = 20.00 S.F.
RPZ ROOM (7) = 35.80 S.F.
TOTAL = 76.27 S.F.

BICYCLE STORAGE = 47.46 S.F.

2 BICYCLE STORAGE SPACES FOR HOTEL,
1 SPACE FOR COMMUNITY FACILITY
TOTAL = 3 BICYCLE SPACES

15.00 S.F. PER EACH BICYCLE SPACE CAN BE DEDUCTED FROM FLOOR AREA
15.00 x 3 = 45.00 S.F.

NET AREA:
3313.69(GROSS) - 26.00(PLUMBING) -
76.27(MECH.) - 45.00(BICYCLE STORAGE)
= 3,166.42 S.F.



CELLAR PLAN

GROSS AREA = 4,708.56 S.F.

EGRESS WIDTH PER OCCUPANT SERVED - EXIT (BC 1005.1)

FLOOR	OCCUPANCY GROUP	MAX. OCCUPANTS PER STORY (BC TABLE 1004.1.1) OCCUPANT AREA		AREA PER OCCUPANT	MAX. OCCUPANT ALLOWED PER AREA	MAX. OCCUPANT ALLOWED PER FLOOR	INDEX (INCH PER OCCUPANT) DOOR	MINIMUM EXIT WIDTH FOR OCCUPANT LOAD REQUIRED/ ALLOWED	PROPOSED	OK
CELLAR	R-1 (HOTEL)	BREAKFAST AREA	14 FIXED SEATING	1 PERSON PER SEATING	14	71	0.2	71 x 0.2 = 14.2	(2)36" EXIT = 72" > 14.2"	√
			502.86 S.F. FLEXIBLE SEATING AREA	15 GROSS	34					
		PANTRY	247.10 S.F.	100 GROSS	3					
		LAUNDRY	250.50 S.F.	100 GROSS	3					
		EMPLOYEE	299.07 S.F.	1 PERSON PER SEATING	4					
		OFFICE	233.33 S.F.	100 GROSS	2					
		BUSINESS CENTER	47.00 S.F.	1 PERSON PER SEATING	2					
		EXERCISE	427.50 S.F.	50 GROSS	9					
1ST FL.	R-1 (HOTEL)	LOBBY & RECEPTION	414.58 S.F.	30 GROSS	14	28	0.2	28 x 0.2 = 5.6	(1)72"+(1)36" EXIT = 108" > 5.6"	√
		GUESTROOM	2,769.18 S.F.	200 GROSS WITHIN D.U.	14					
2ND to 5TH FL.	R-1 (HOTEL)	GUESTROOM	3,267.02 S.F.	200 GROSS WITHIN D.U.	16	16	0.2	16 x 0.2 = 3.2	(2)36" EXIT = 72" > 3.2"	√
6TH FL.	B (BUSINESS)	AMBULATORY HEALTH TREATMENT CENTER	3,267.02 S.F.	100 GROSS	33	33	0.2	33 x 0.2 = 6.6	(2)36" EXIT = 72" > 6.6"	√

EGRESS WIDTH PER OCCUPANT SERVED - STAIRWAY (BC 1005.1)

FLOOR	OCCUPANCY GROUP	MAX. OCCUPANTS PER STORY (BC TABLE 1004.1.1) OCCUPANT AREA		AREA PER OCCUPANT	MAX. OCCUPANT ALLOWED PER AREA	MAX. OCCUPANT ALLOWED PER FLOOR	INDEX (INCH PER OCCUPANT) STAIRWAY	MINIMUM STAIRWAY WIDTH FOR OCCUPANT LOAD REQUIRED/ ALLOWED	PROPOSED	OK
CELLAR	R-1 (HOTEL)	BREAKFAST AREA	14 FIXED SEATS	1 PERSON PER SEATING	14	71	0.3	71 x 0.3 = 21.3	(2)44" STAIRWAY = 88" > 21.3"	√
			502.86 S.F. FLEXIBLE SEATING AREA	15 GROSS	34					
		PANTRY	247.10 S.F.	100 GROSS	3					
		LAUNDRY	250.50 S.F.	100 GROSS	3					
		EMPLOYEE	299.07 S.F.	1 PERSON PER SEATING	4					
		OFFICE	233.33 S.F.	100 GROSS	2					
		BUSINESS CENTER	47.00 S.F.	1 PERSON PER SEATING	2					
		EXERCISE	427.50 S.F.	50 GROSS	9					
2ND to 5TH FL.	R-1 (HOTEL)	GUESTROOM	3,267.02 S.F.	200 GROSS WITHIN D.U.	16	16	0.3	16 x 0.3 = 4.8	(2)44" STAIRWAY = 88" > 4.8"	√
6TH FL.	B (BUSINESS)	AMBULATORY HEALTH TREATMENT CENTER	3,267.02 S.F.	100 GROSS	33	33	0.3	33 x 0.3 = 9.9	(2)44" STAIRWAY = 88" > 9.9"	√

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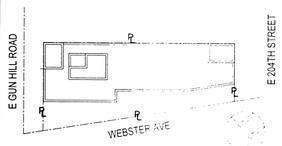


KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

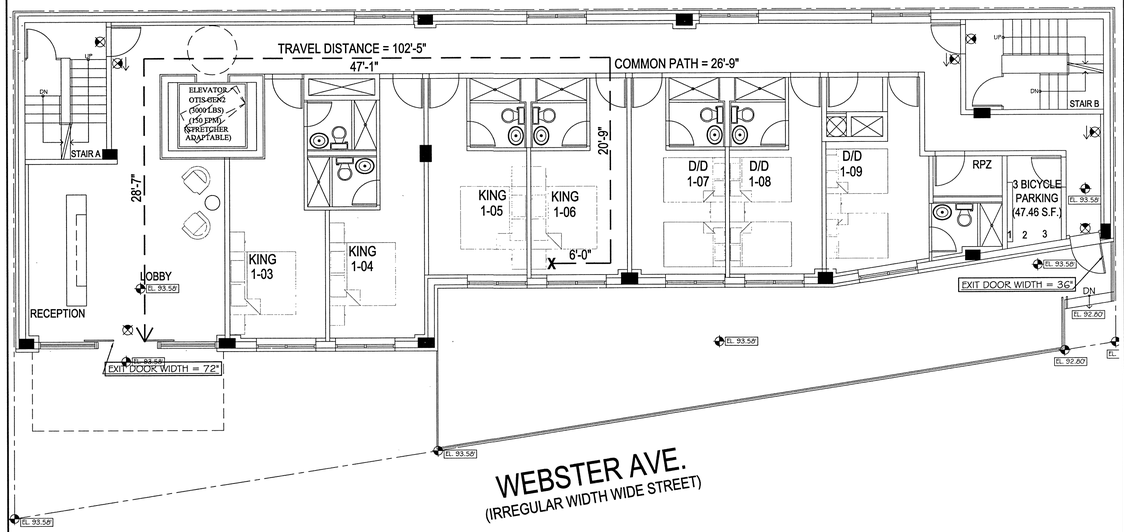
ZONING DIAGRAMS & EGRESS

SEAL & SIGNATURE

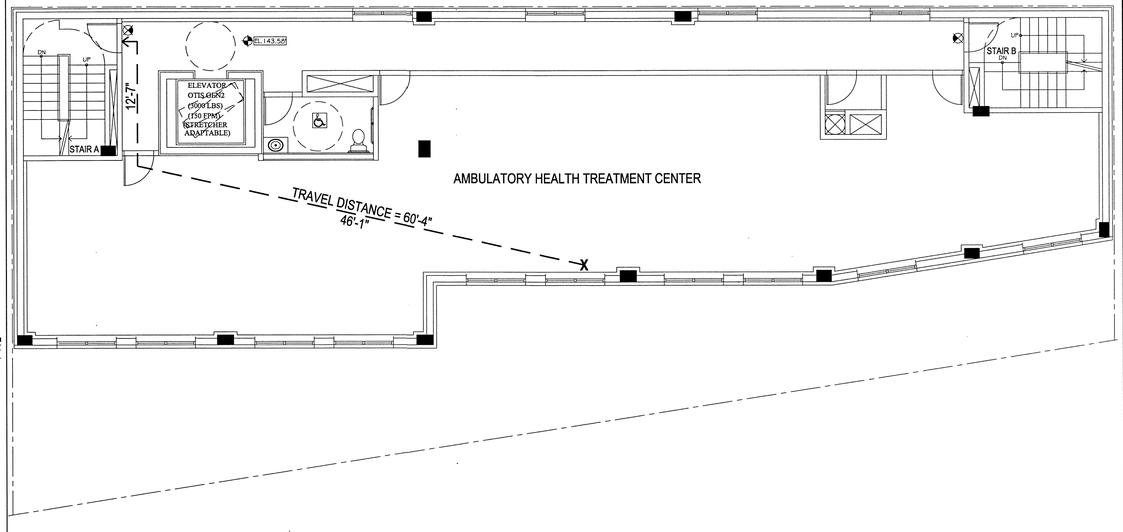
EXAMINED FOR ZONING & EGRESS AND FIRE PREVENTION ONLY AS PER BULL. NO. 2/79
OCT 0 7 2017
THEODORE FINLEY

DATE: 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No.
Z-104.00

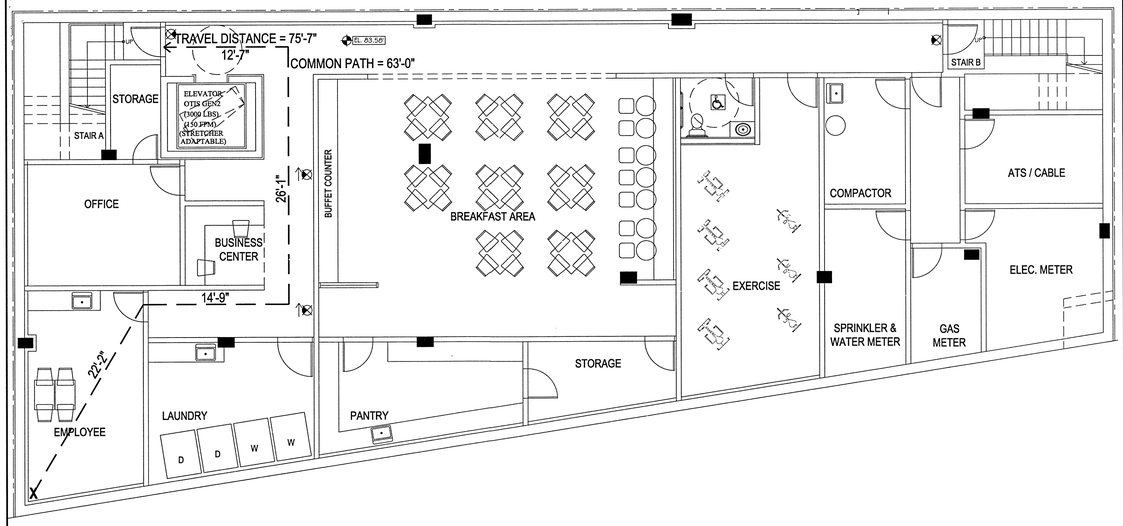
TRAVEL DISTANCE DIAGRAMS



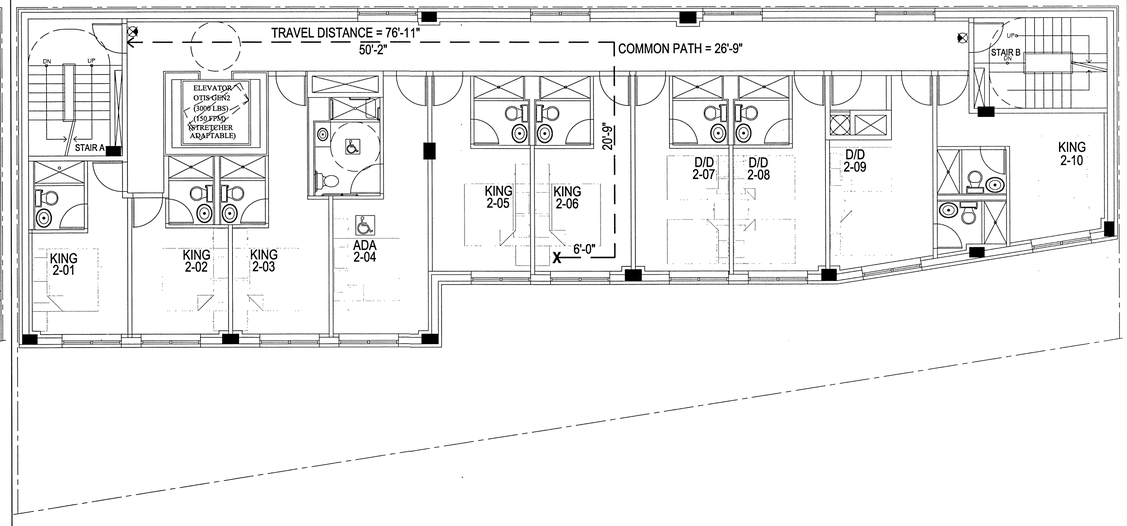
1ST FLOOR



6TH FLOOR



CELLAR



2ND TO 5TH FLOOR

EGRESS & EXIT ACCESS TRAVEL DISTANCE

FLOOR	OCCUPANCY GROUP	USE GROUP	PROPOSED MAX. COMMON PATH OF EGRESS/ MAX EXIT ACCESS TRAVEL DISTANCE	MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE (BC 1014.3)	MAX. EXIT ACCESS TRAVEL DISTANCE ALLOWED (WITH SPRINKLERS) (BC TABLE 1016.1)	OK
CELLAR	R-1 (HOTELS, TRANSIENT)	5A (HOTELS, TRANSIENT)	MAX. COMMON PATH = 63'-0"/ MAX. TRAVEL DISTANCE = 75'-7"	75'-0"	200'-0"	√
1ST FL.	R-1 (HOTELS, TRANSIENT)	5A (HOTELS, TRANSIENT)	MAX. COMMON PATH = 26'-9"/ MAX. TRAVEL DISTANCE = 102'-5"	75'-0"	200'-0"	√
2ND & 5TH FL.	R-1 (HOTELS, TRANSIENT)	5A (HOTELS, TRANSIENT)	MAX. COMMON PATH = 26'-6"/ MAX. TRAVEL DISTANCE = 76'-11"	75'-0"	200'-0"	√
6TH FL.	B (BUSINESS)	4A (HEALTH CARE)	60'-4"	75'-0"	200'-0"	√

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BIL NO. 575

OCT 0 1 2017

THEODORE FINLEY

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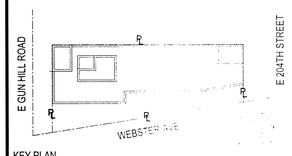
MICHAEL KANG, RA

DEPT BLDGS Job No. 220551793
Scan Code ESHS7504516



KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT

3466 WEBSTER AVENUE

BRONX NY

TRAVEL DISTANCE DIAGRAMS

SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG 026844 STATE OF NEW YORK

DATE 7.14.16
PROJECT No. 201603
DRAWING BY: C. Kuo / F. Ko
CHK. BY: M. Kang
DWG No.

Z-105.00

PAGE No. 5 of 29

110'-11 3/4"

111.31'

51'-2 3/4"

51.42'

33.77'

33'-7 1/2"

112.70'

112'-4 1/4"

WEBSTER AVE.

(IRREGULAR WIDTH WIDE STREET)

STORAGE

ELEVATOR
OTIS GEN2
(3000 LBS)
(150 FPM)
(STRETCHER
ADAPTABLE)

STAIR A

OFFICE

OCCUPANCY GROUP: R-1
USER GROUP: 5A
OCCUPANT LOAD: 233.33 / 100
= 2 PERSONS

BUSINESS CENTER

O.G: R-1
U.G: 5A
2 PERSONS

BUFFET COUNTER

BREAKFAST AREA

14 FIXED SEATS

FLEXIBLE SEATING AREA = 504.86 S.F.

OCCUPANCY GROUP: R-1
USER GROUP: 5A
OCCUPANT LOAD: 14 FIXED SEATS / 1 PER SEATING = 14 PERSONS
FLEXIBLE SEATING AREA = 504.85 S.F. / 15 = 34 PERSONS
TOTAL = 14 + 34 = 48 PERSONS

OCCUPANCY GROUP: R-1
USER GROUP: 5A
OCCUPANT LOAD: 1 PER SEATING
= 4 PERSONS

EMPLOYEE

OCCUPANCY GROUP: R-1
USER GROUP: 5A
OCCUPANT LOAD: 250.50 / 100
= 3 PERSONS

LAUNDRY

D D W W

OCCUPANCY GROUP: R-1
USER GROUP: 5A
OCCUPANT LOAD: 247.10 / 100
= 3 PERSONS

PANTRY

STORAGE

OCCUPANCY GROUP: R-1
USER GROUP: 5A
OCCUPANT LOAD: 427.50 / 50
= 9 PERSONS

EXERCISE

COMPACTOR ROOM
FLOOR & WALL SHALL BE
MIN. 50 STC
SOUND RATING

FRESH AIR INTAKE
144 CFM MIN.

COMPACTOR

SPRINKLER &
WATER METER

GAS
METER

STAIR B

ATS / CABLE

ELEC. METER

EL. 83.58'

50 CFM

F.D.

F.A.I.

EXH.

FFSC DOOR

1 A-101.0 CELLAR PLAN EL. = 83.58'
1/4"=1'-0"

NORTH

NOTE: 1. SEE STRUCTURE DRAWINGS, SITE CONNECTION, RPZ AND BPP DRAWINGS FOR DETAILS.
2. ALL STAIRS ARE STEEL PANE AND STAIR HANDRAILS TO BE 2'-10" MTL.
3. SEE MECHANICAL DRAWINGS FOR EXHAUST FAN DETAILS
4. SEE A-114 FOR H/C RESTROOM DETAILS
5. EQUIPMENT OPERATING & MAINTENANCE MANUAL TO BE PROVIDED TO THE BUILDING OWNER BY MECHANICAL CONTRACTOR

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BIN NO. 275

JUN 07 2017

THEODORE FINLEY

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DEPT BLDGS Job No. 220551793
Scan Code ESHS6553965

KEY PLAN

E GUN HILL ROAD
E 204TH STREET
WEBSTER AVE

REV.#	DATE	DESCRIPTION

PROJECT

3466 WEBSTER AVENUE

BRONX NY

CELLAR PLAN

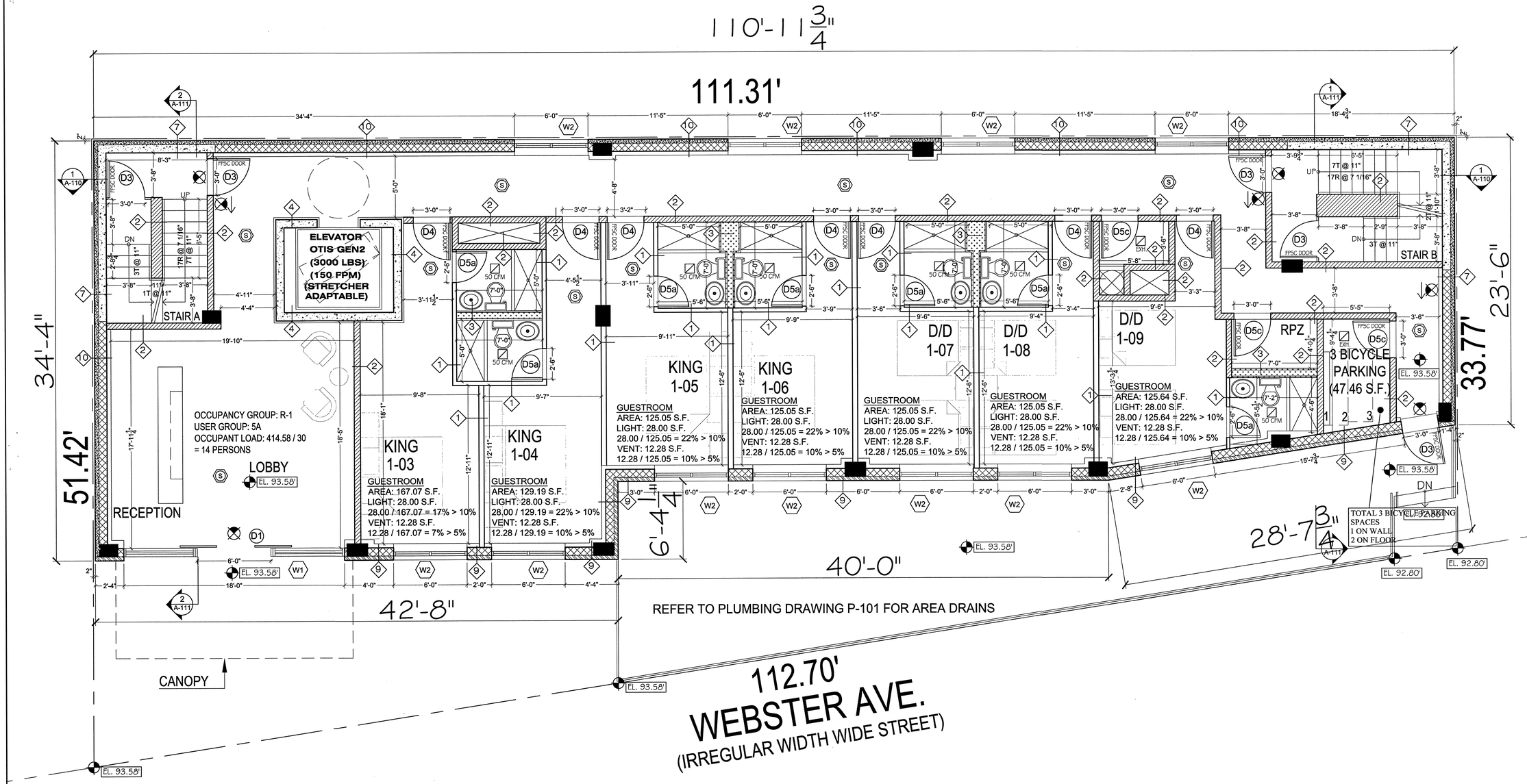
SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG 024180 STATE OF NEW YORK

DATE 7/14/16
PROJECT No. 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No.

A-101.00

PAGE No. 6 of 29



1 1ST FLOOR PLAN EL. = 93.58'
A-102.0 1/4"=1'-0"

NORTH

NOTE: 1. SEE STRUCTURE DRAWINGS, SITE CONNECTION, RPZ AND BPP DRAWINGS FOR DETAILS.
2. ALL STAIRS ARE STEEL PANE AND STAIR HANDRAILS TO BE 2'-10" MTL.
3. SEE MECHANICAL DRAWINGS FOR EXHAUST FAN DETAILS
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5. EQUIPMENT OPERATING & MAINTENANCE MANUAL TO BE PROVIDED TO THE BUILDING OWNER BY MECHANICAL CONTRACTOR

REVIEWED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 275
OCT 0 2017
THEODORE FINLEY

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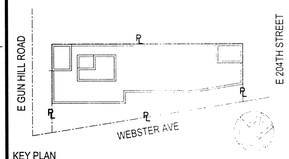


KEY PLAN

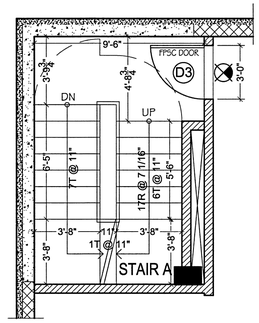
REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

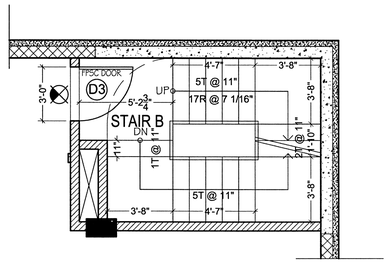
1ST FLOOR PLAN

SEAL & SIGNATURE

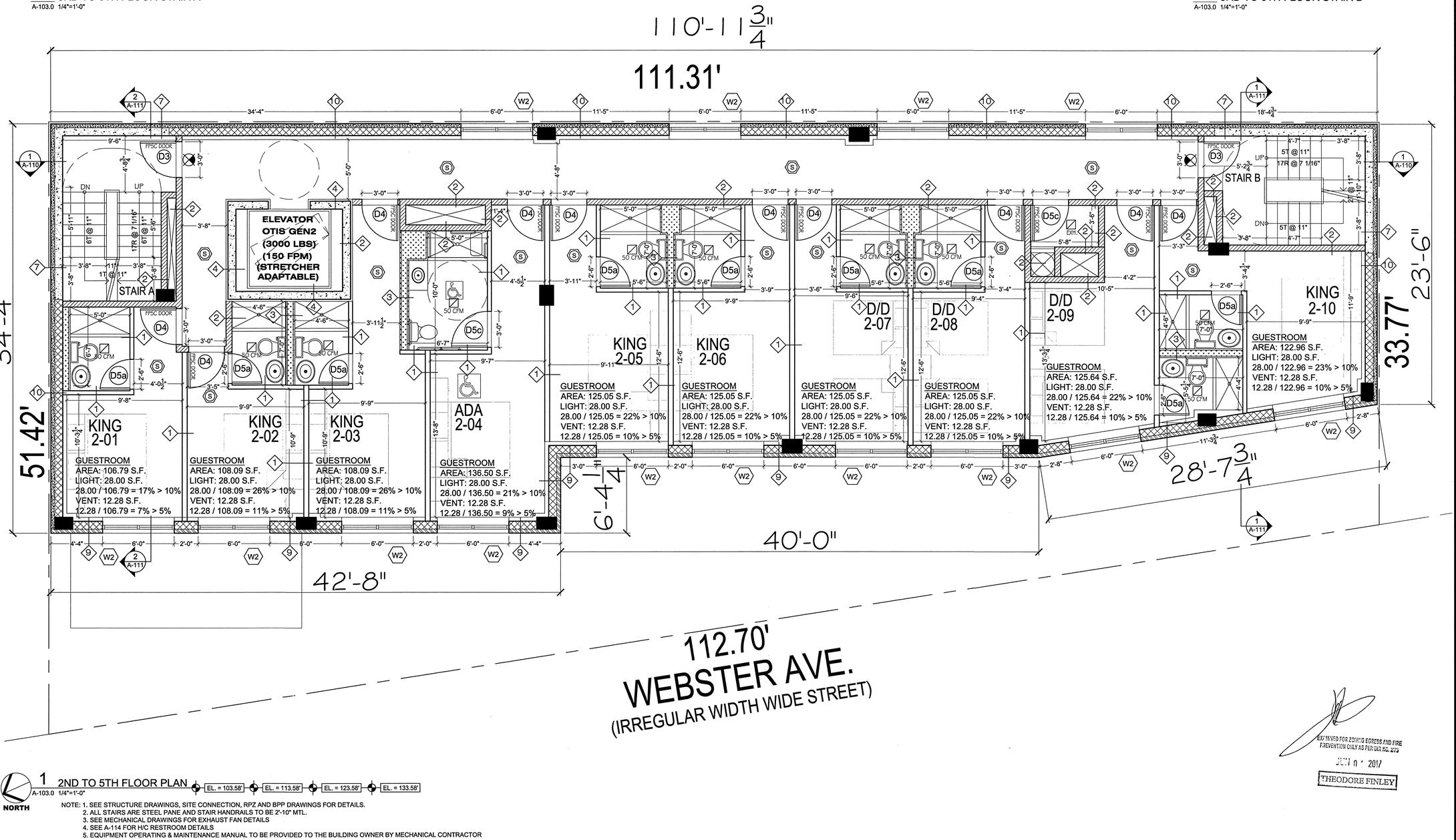
DATE: 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
A-102.00
PAGE No. 7 of 29



A 3RD TO 5TH FLOOR STAIR A
A-103.0 1/4"=1'-0"



B 3RD TO 5TH FLOOR STAIR B
A-103.0 1/4"=1'-0"



112.70'
WEBSTER AVE.
(IRREGULAR WIDTH WIDE STREET)

1 2ND TO 5TH FLOOR PLAN
A-103.0 1/4"=1'-0"

EL. = 103.58' EL. = 113.58' EL. = 123.58' EL. = 133.58'

NORTH

NOTE: 1. SEE STRUCTURE DRAWINGS, SITE CONNECTION, RPZ AND BPP DRAWINGS FOR DETAILS.
2. ALL STAIRS ARE STEEL PANE AND STAIR HANDRAILS TO BE 2'-10" MTL.
3. SEE MECHANICAL DRAWINGS FOR EXHAUST FAN DETAILS
4. SEE A-114 FOR H/C RESTROOM DETAILS
5. EQUIPMENT OPERATING & MAINTENANCE MANUAL TO BE PROVIDED TO THE BUILDING OWNER BY MECHANICAL CONTRACTOR

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB RG. 2/73
JUN 0 1 2017
THEODORE FINLEY

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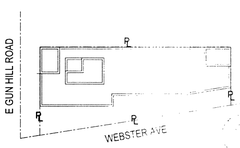


KEY PLAN

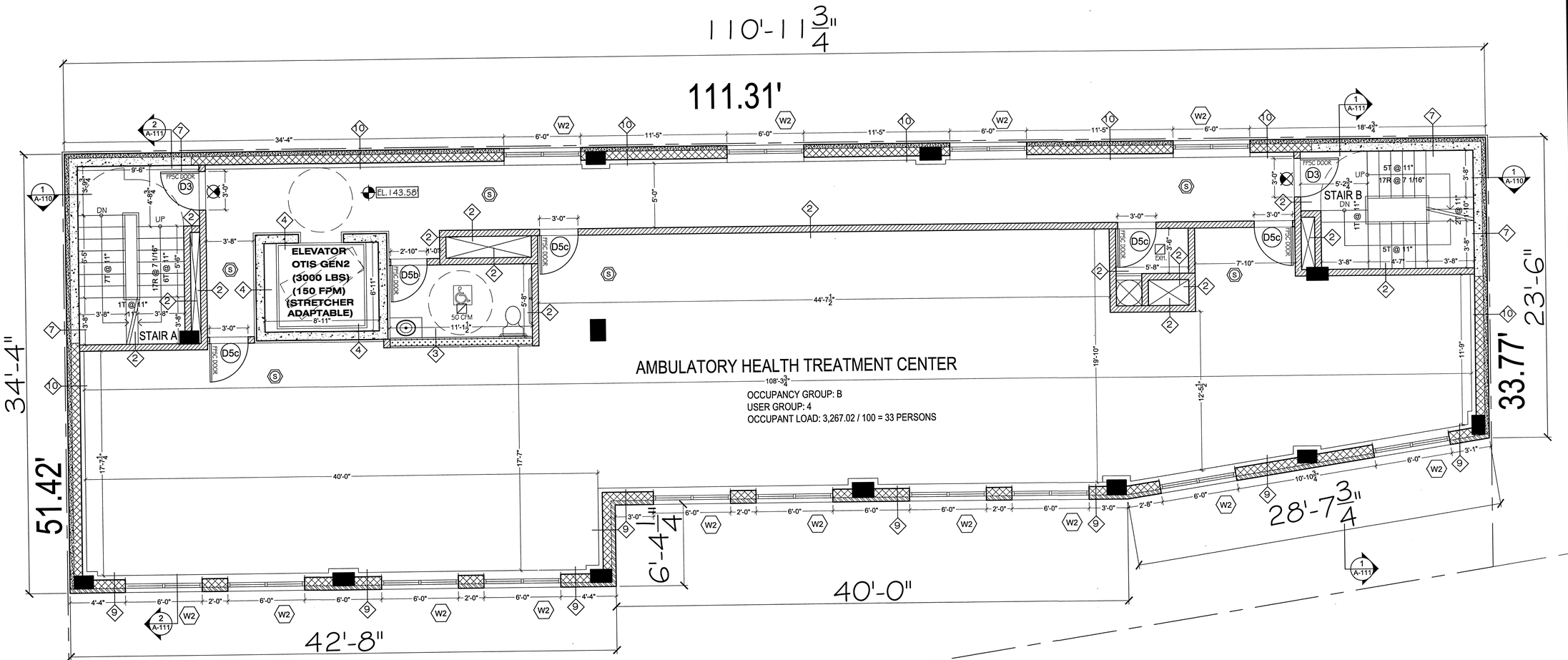
REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

2ND TO 5TH FLOOR PLAN

SEAL & SIGNATURE

DATE 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
A-103.00



1 6TH FLOOR PLAN EL. = 143.58'
A-104.0 1/4"=1'-0"

NORTH

NOTE: 1. SEE STRUCTURE DRAWINGS, SITE CONNECTION, RPZ AND BPP DRAWINGS FOR DETAILS.
2. ALL STAIRS ARE STEEL PANE AND STAIR HANDRAILS TO BE 2'-10" MTL.
3. SEE MECHANICAL DRAWINGS FOR EXHAUST FAN DETAILS
4. SEE A-114 FOR H/C RESTROOM DETAILS
5. EQUIPMENT OPERATING & MAINTENANCE MANUAL TO BE PROVIDED TO THE BUILDING OWNER BY MECHANICAL CONTRACTOR

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BEN NO. 27/3
JUN 0 1 2017
THEODORE FINLEY

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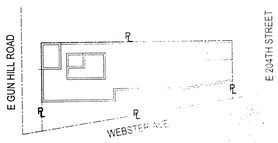


KEY PLAN

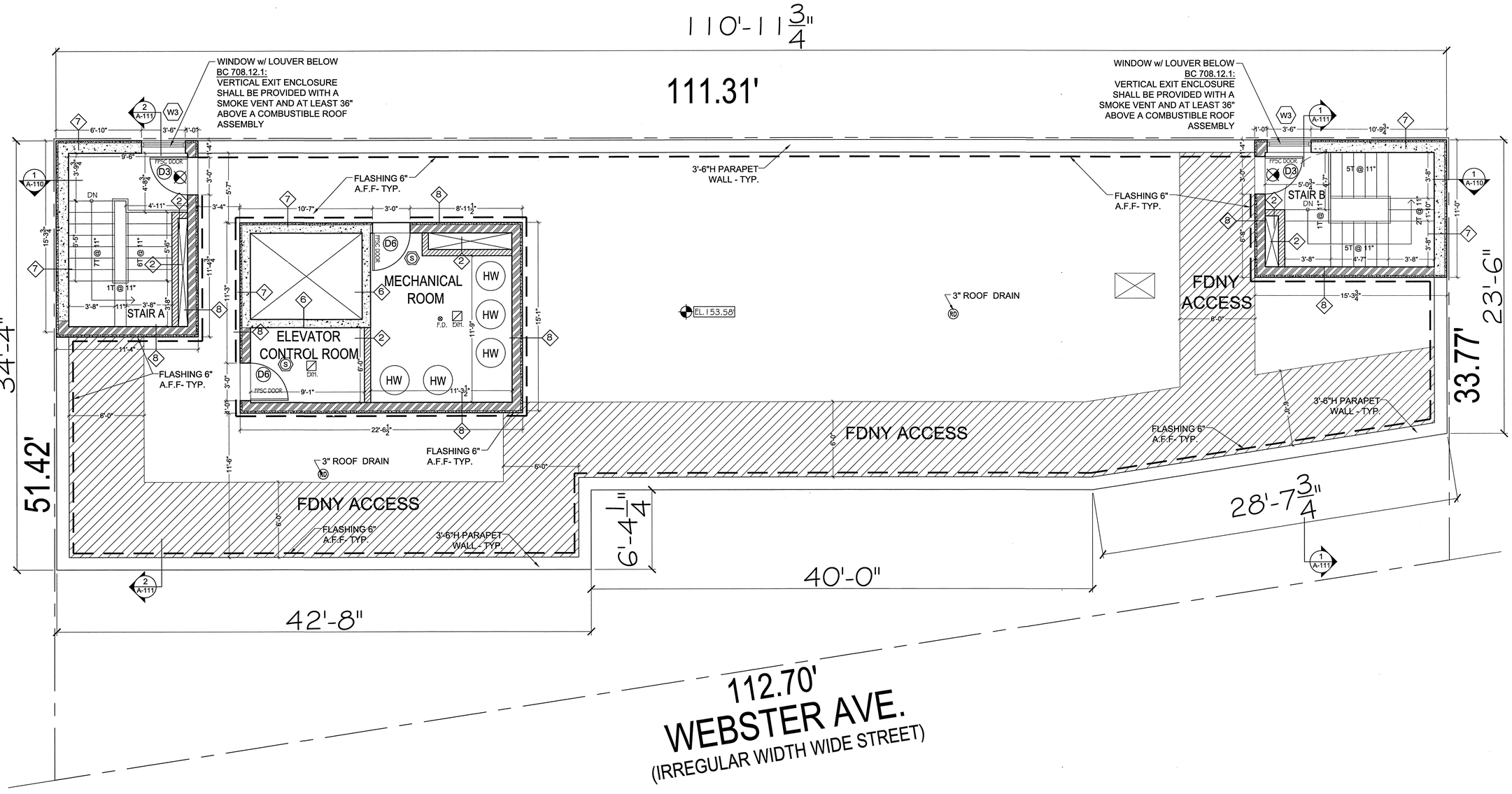
REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

6TH FLOOR PLAN

SEAL & SIGNATURE

DATE: 7.14.16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No
A-104.00
PAGE No 9 of 29



1 ROOF PLAN
A-105.0 1/4"=1'-0"
EL. = 153.58'

NORTH

NOTE: 1. SEE STRUCTURE DRAWINGS, SITE CONNECTION, RPZ AND BPP DRAWINGS FOR DETAILS.
2. ALL STAIRS ARE STEEL PANE AND STAIR HANDRAILS TO BE 2'-10" MTL.
3. SEE MECHANICAL DRAWINGS FOR EXHAUST FAN DETAILS
4. EQUIPMENT OPERATING & MAINTENANCE MANUAL TO BE PROVIDED TO THE BUILDING OWNER BY MECHANICAL CONTRACTOR

EXEMPTED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 2279
JUN 0 1 2017
THEODORE FINLEY

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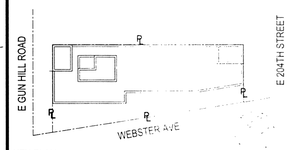


KEY PLAN

REV.#	DATE	DESCRIPTION

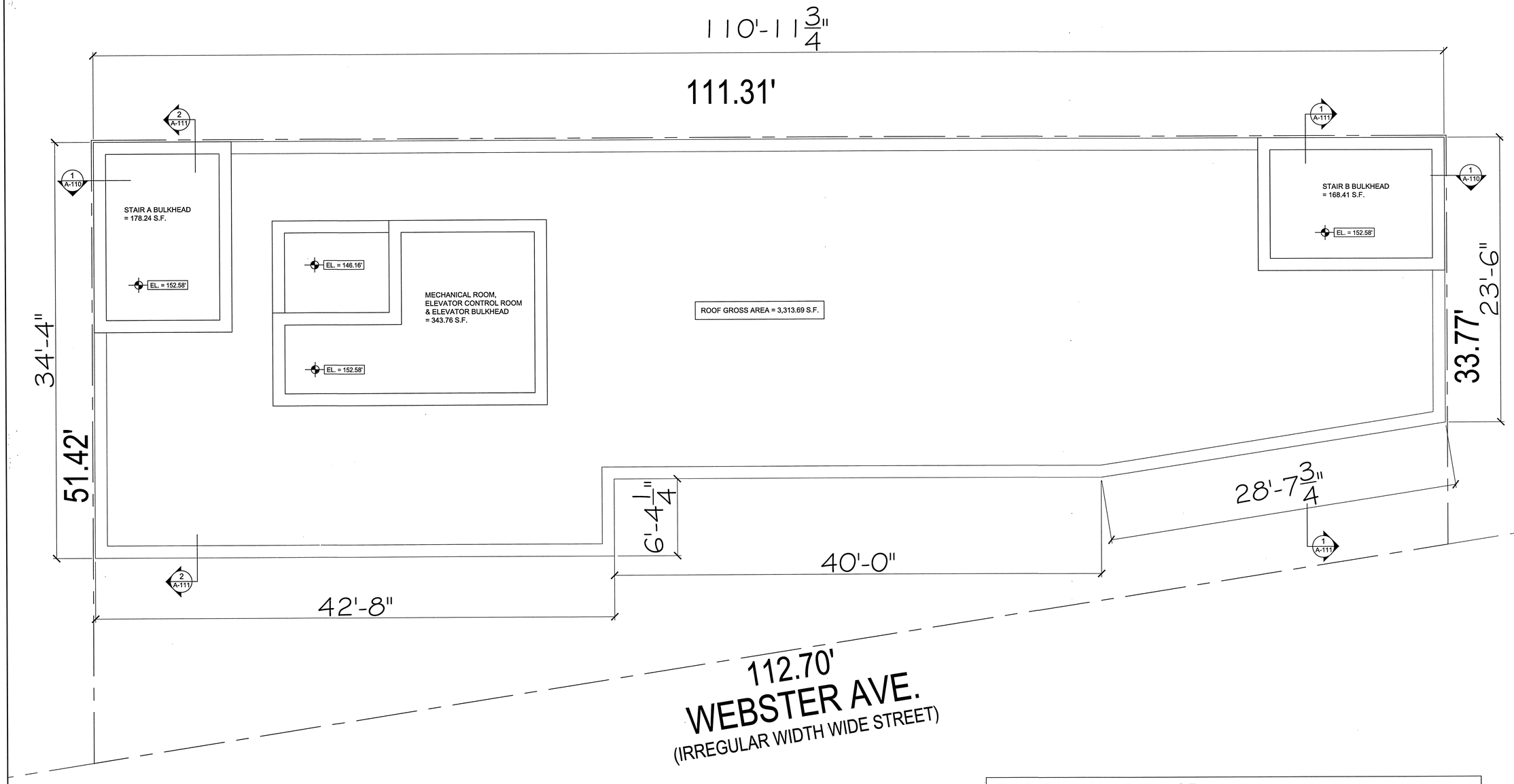
PROJECT
3466 WEBSTER AVENUE
BRONX, NY

ROOF PLAN

SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG STATE OF NEW YORK 02/19/19

DATE: 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo F. Ko
CHK BY: M. Kang
DWG No:
A-105.00
PAGE No: 10 of 29



1 BULKHEAD PLAN
A-106.0 1/4"=1'-0"

NORTH

NOTE: 1. SEE STRUCTURE DRAWINGS, SITE CONNECTION, RPZ AND BPP DRAWINGS FOR DETAILS.
2. EQUIPMENT OPERATING & MAINTENANCE MANUAL TO BE PROVIDED TO THE BUILDING OWNER BY MECHANICAL CONTRACTOR

ROOF GROSS AREA = 3,313.69 S.F.
1/3 OF ROOF GROSS AREA = 1,104.56 S.F.

PROPOSED BULKHEAD AREA = 178.24 + 343.76 + 168.41 = 690.41 S.F. < 1,104.56 S.F.

ROOF NET AREA:
3,313.69 - 690.41 = 2,623.28 S.F.

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DIR NO. 27-73
JUN 9 : 2017
THEODORE FINLEY

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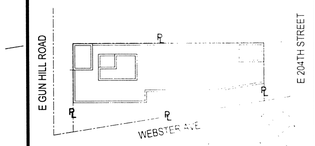

KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

BULKHEAD PLAN

SEAL & SIGNATURE

REGISTERED ARCHITECT
MICHAEL KANG
026240
STATE OF NEW YORK

DATE 7.14.16
PROJECT No 201603
DRAWING BY C. Kuo / F. Ko
CHK BY M. Kang
DWG No
A-106.00
PAGE No 11 of 29

1 WEST (WEBSTER AVE.) BUILDING ELEVATION
A-107.0 3/16"=1'-0"

EXAMINED FOR ZONING BASES AND FIRE PREVENTION ONLY AS PER DIR NO. 2015
JUN 0 1 2017
THEODORE FINLEY

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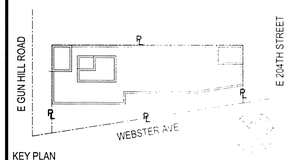
DEPT BLDGS Job No. 220551793
Scan Code
ESHS467154S



KEY PLAN

REV.#	DATE	DESCRIPTION

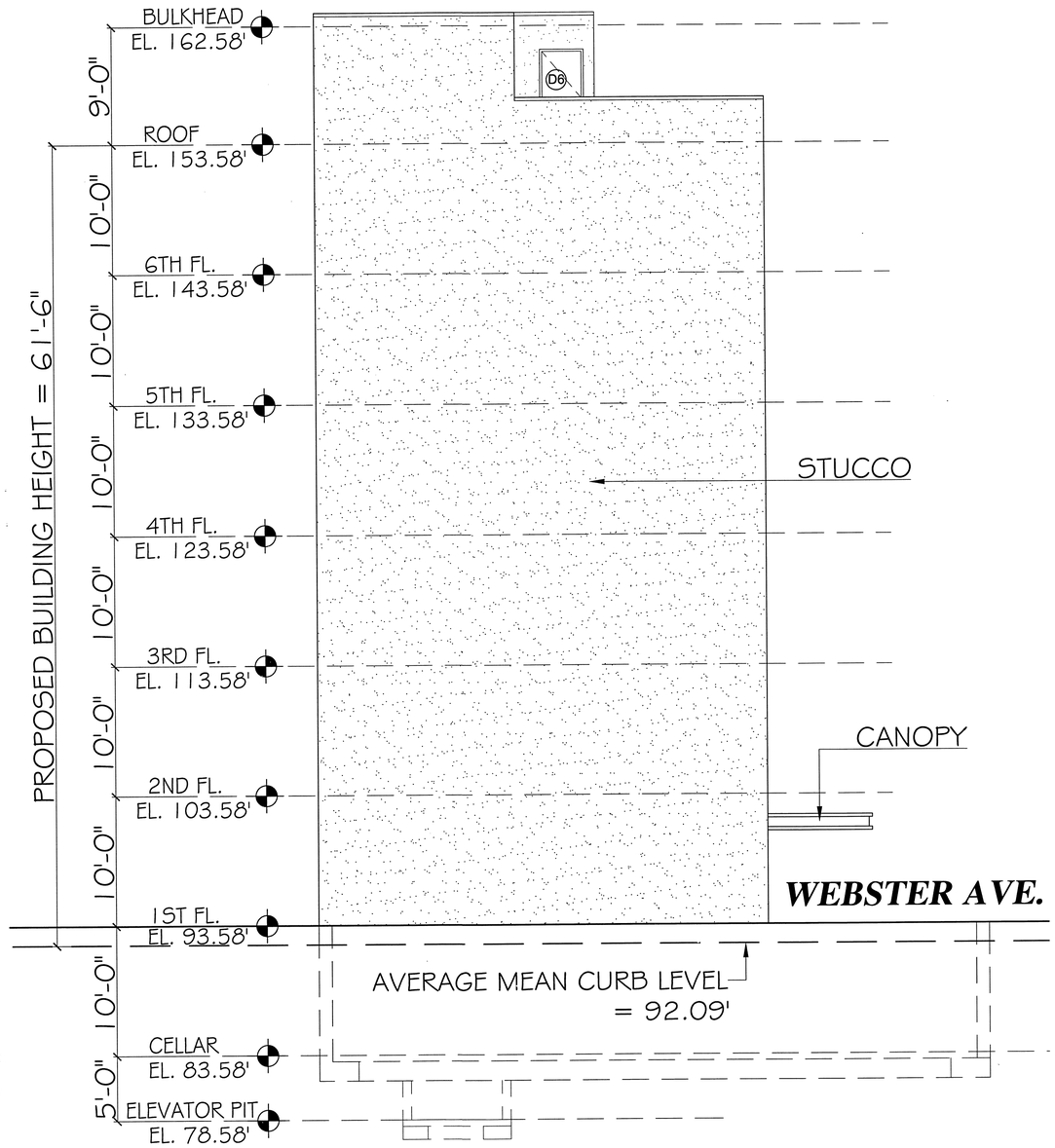
PROJECT
3466 WEBSTER AVENUE
BRONX, NY

BUILDING ELEVATION - WEST
(WEBSTER AVE.)

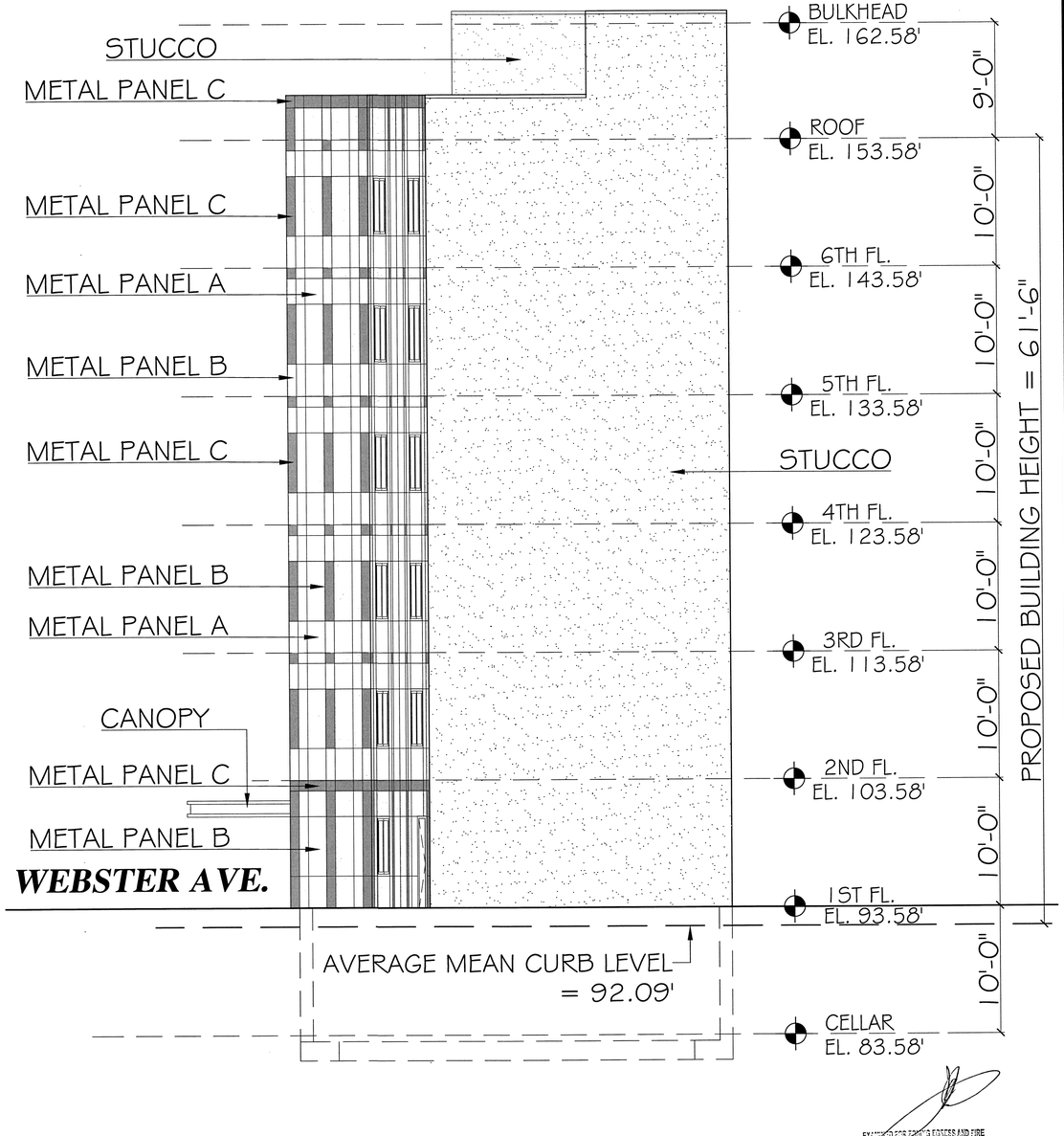
SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG 024854 NEW YORK STATE

DATE 7/14/16
PROJECT No. 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
A-107.00
PAGE No: 12 of 29



1 NORTH BUILDING ELEVATION
A-108.0 3/16"=1'-0"



2 SOUTH BUILDING ELEVATION
A-108.0 3/16"=1'-0"

EXAMINED FOR FORM 3 EGRESS AND FIRE PREVENTION ONLY AS PER BUL NO. 2015

JUN 01 2017

THEODORE FINLEY

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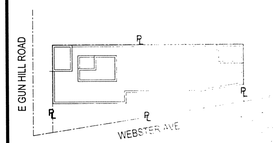
MICHAEL KANG, RA

DEPT BLDGS Job No. 220551793
Scan Code ESHS622476B



KEY PLAN

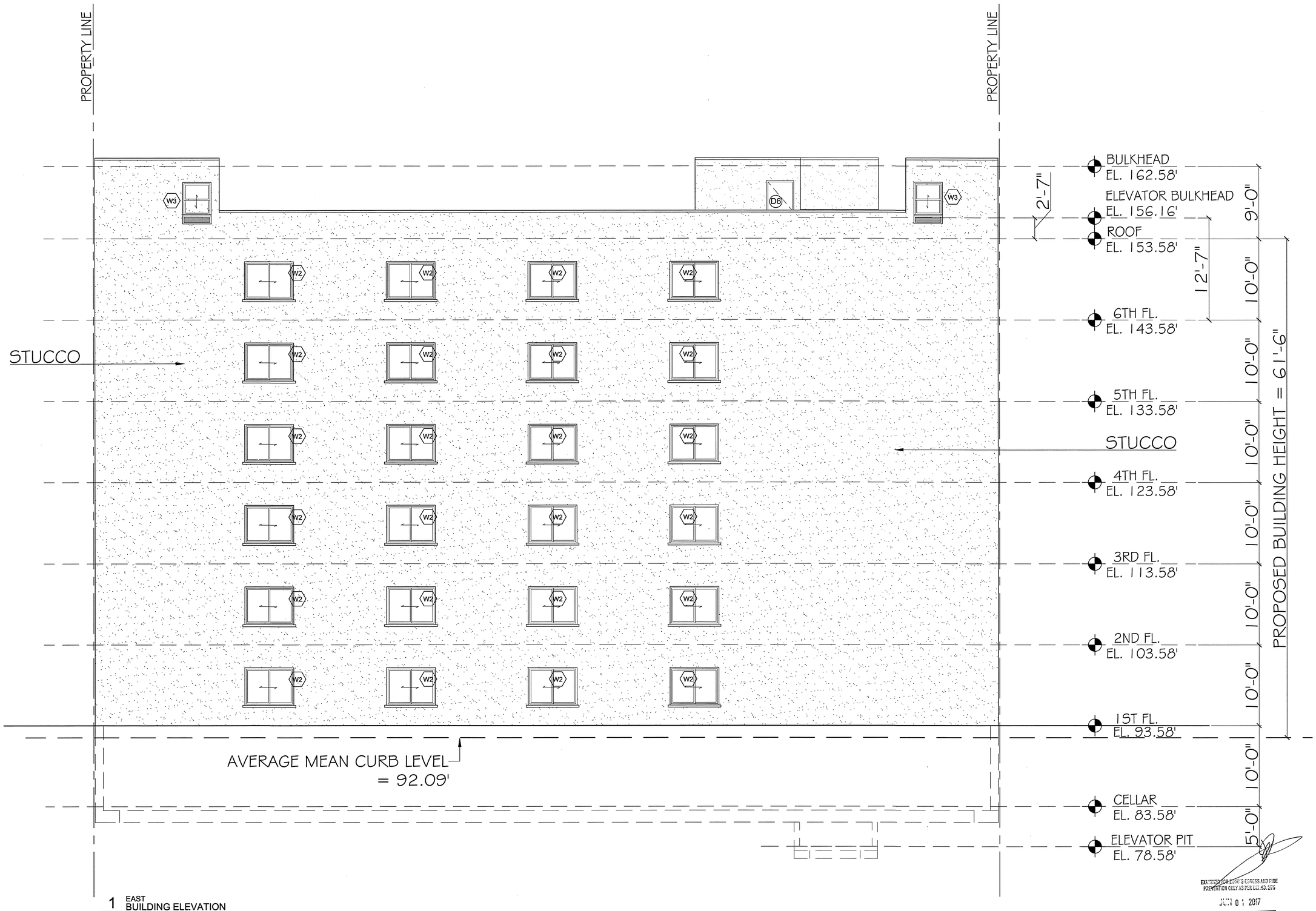
REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

BUILDING ELEVATION -
NORTH & SOUTH

SEAL & SIGNATURE

DATE 7.14.16
PROJECT No 201602
DRAWING BY C. Ku, F. Ko
CHK BY M. Kang
DWG NO
A-108.00
PAGE No. 13 of 29



1 EAST BUILDING ELEVATION
A-109.0 3/16"=1'-0"

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BCR NO. 27-5

JUN 01 2017

THEODORE FINLEY

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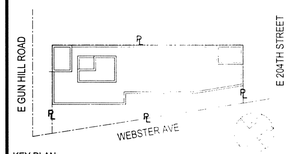
MICHAEL KANG, RA

DEPT BLDGS Job No. 220551793
Scan Code ESHS2849802



KEY PLAN

REV.#	DATE	DESCRIPTION

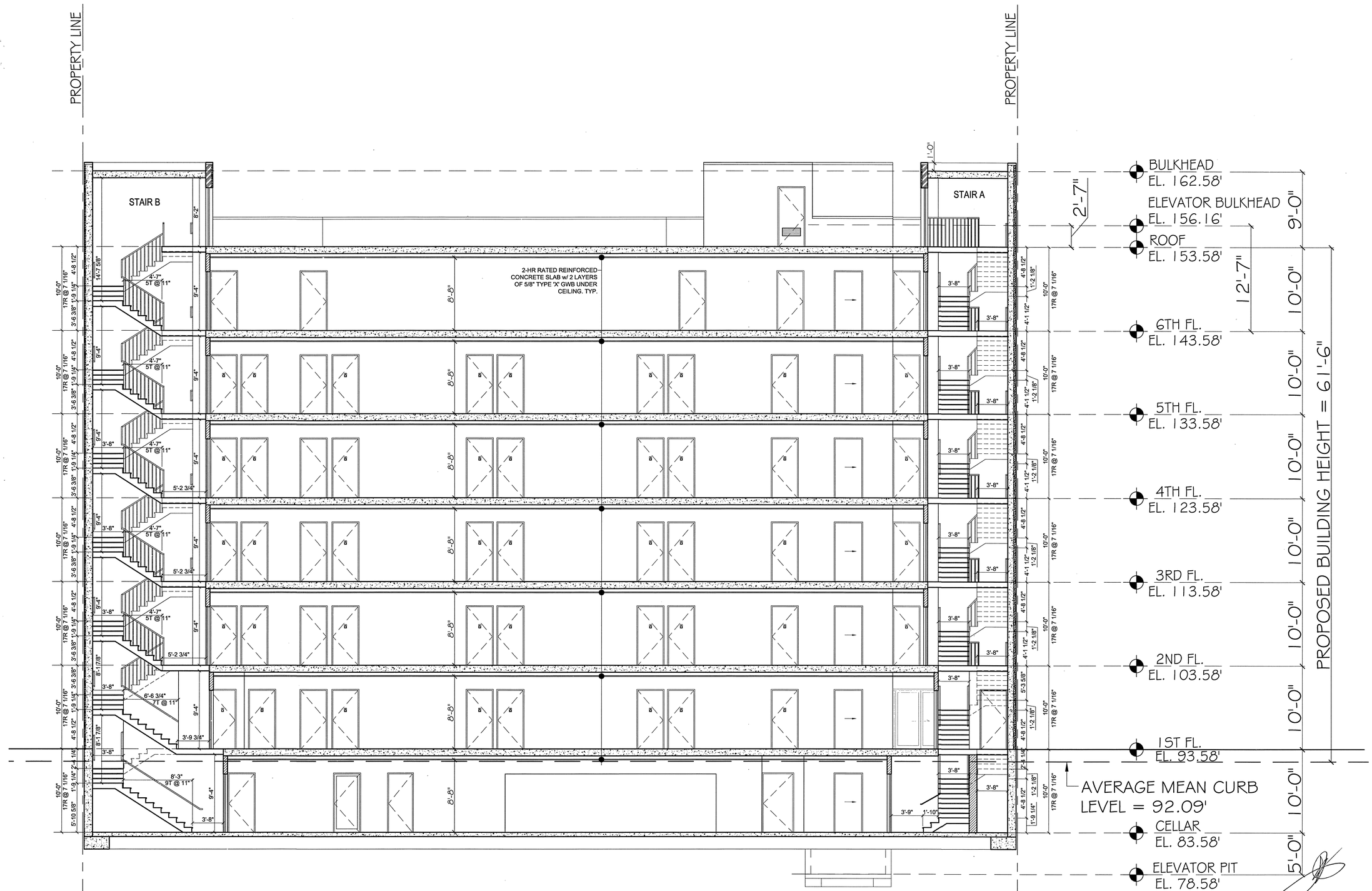
PROJECT
3466 WEBSTER AVENUE
BRONX NY

BUILDING ELEVATION - EAST

SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL T. KANG 024847 STATE OF NEW YORK

DATE: 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
A-109.00
PAGE No: 14 of 29



1 BUILDING SECTION
A-110.0 3/16"=1'-0"

EXPIRED FOR ZONING CODES AND FIRE PREVENTION ONLY AS PER DOB NO. 2015

JUN 0 1 2017

THEODORE FINLEY

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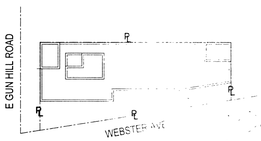
Scan Code ESHS3906112



KEY PLAN

REV.#	DATE	DESCRIPTION

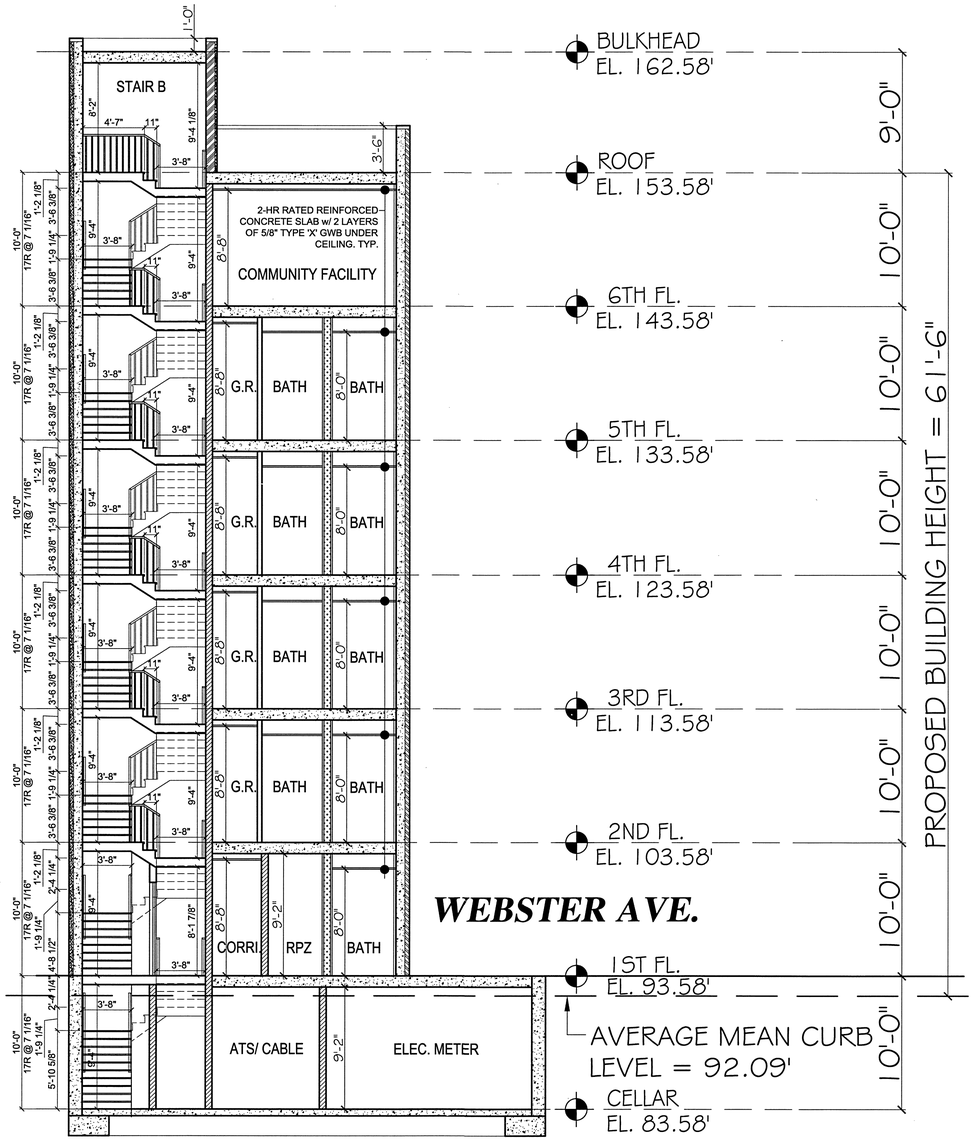
PROJECT
3466 WEBSTER AVENUE
BRONX, NY

BUILDING SECTION

SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG STATE OF NEW YORK

DATE 7/14/16
PROJECT No. 201603
DRAWING BY: C. Kuo F. Ko
CHK BY: M. Kang
DWG No.
A-110.00
PAGE No. 15 of 29



1 BUILDING SECTION
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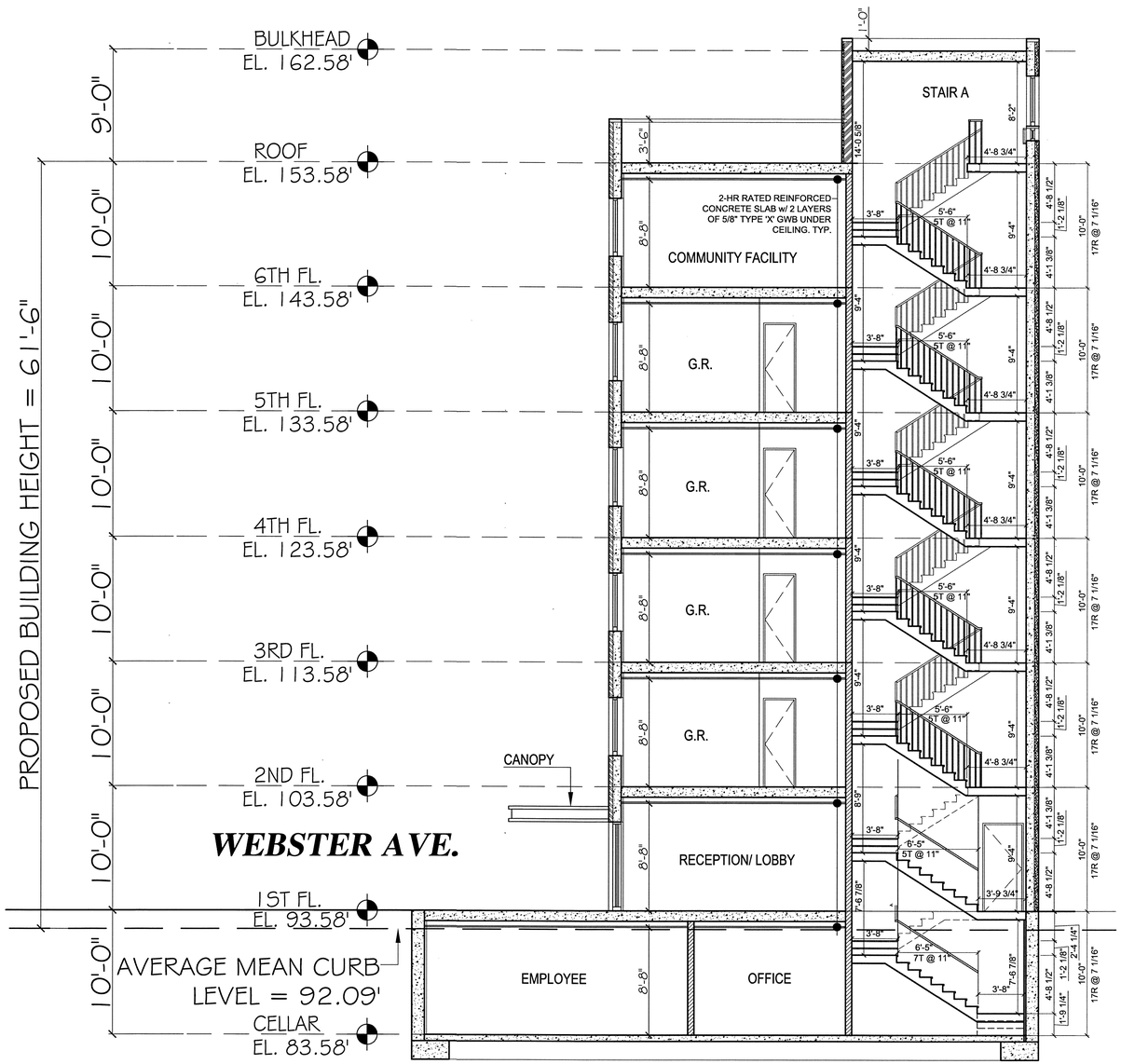

2 BUILDING SECTION
A-111.0 3/16"=1'-0"

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 2215
JUN 0 1 2017
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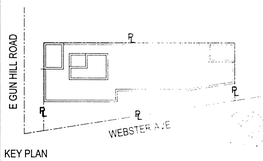
Scan Code ESHS1422668



KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX NY

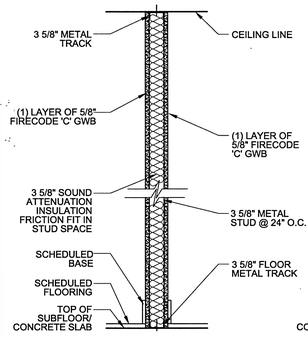
BUILDING SECTIONS

SEAL & SIGNATURE

REGISTERED ARCHITECT
MICHAEL KANG
06-16-19
STATE OF NEW YORK

DATE: 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo · F. Ko
CHK BY: M. Kang
DWG No:
A-111.00
PAGE No: 16 of 29

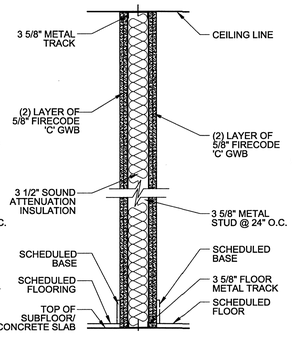
INTERIOR WALL & PARTITION TYPES



1 HOUR RATED PARTITION

GA FILE: WP 1077
FIRE TEST: UL R15187, 07NK21428, 2-14-08
ULC DESIGN W409
SOUND TEST: DRC 70-2-2, 1-6-70
STC: 50

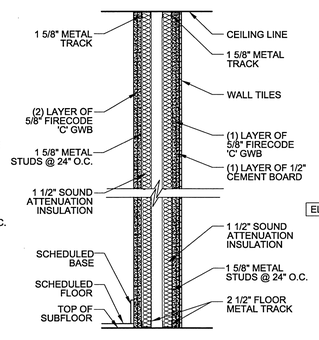
THIS TYPE IS NOT FOR WALLS AND PARTITIONS CONSTRUCTIONS SEPARATING DWELLING UNITS FROM EACH OTHER OR FROM PUBLIC HALLS, CORRIDORS OR STAIRS.



2 HOUR RATED PARTITION

GA FILE: WP 1524
FIRE TEST: UL R13660, 07NK21428, 2-14-08
UL DESIGN W411
SOUND TEST: NGC 2006049, 1-31-07
STC: 55 TO 59

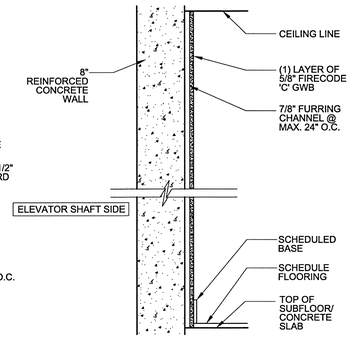
PARTITION TO COMPLY WITH BUILDING CODE §[C26-1208.2] 27-769



2 HOUR RATED CHASE WALL

GA FILE: WP 5070
FIRE TEST: UL R11270, 4-19-85;
UL R3660, 02NK35115, 9-15-03;
UL DESIGN U444
FIELD SOUND TEST: SA-851102, 11-6-85
SOUND TEST: NRCC TL-93-308, 12-2-02
STC: 60 TO 64

WALL TO COMPLY WITH BUILDING CODE §[C26-1208.2] 27-769



3 HOUR RATED FURRED MASONRY WALL

DESIGN : U914
FIRE TEST: ULU 914
SOUND : 50

WALL TO COMPLY WITH BUILDING CODE §[C26-1208.2] 27-769

WALL & PARTITION LEGEND

1		1 HOUR RATED PARTITION w/ ONE LAYER OF 5/8" TYPE 'X' GWB ON EACH SIDE OF 2 1/2" METAL STUDS @ 24" O.C. 2 3/4" SOUND ATTENUATION INSULATION FRICTION FIT IN STUD SPACE.
2		2 HOUR RATED PARTITION w/ TWO LAYERS OF 5/8" TYPE 'X' GWB ON EACH SIDE OF 3 5/8" METAL STUDS @ 24" O.C. 3 1/2" SOUND ATTENUATION INSULATION IN STUD SPACE.
3		2 HOUR RATED CHASE WALL w/ ONE LAYER OF 5/8" TYPE 'X' GWB ON EACH SIDE OF A DOUBLE ROW OF 1 5/8" METAL STUDS SPACED 24" O.C. ANOTHER ONE LAYER OF 5/8" TYPE 'X' GWB ON TOP OF THE BASE LAYER OF 5/8" GWB ON ONE SIDE OF THE DOUBLE ROW METAL STUDS. ONE LAYER OF 1/2" CEMENT BOARD ON THE OTHER SIDE OF THE DOUBLE ROW METAL STUDS ON TOP OF THE BASE LAYER OF 5/8" GWB. 1 1/2" SOUND ATTENUATION INSULATION IN STUD SPACE.
4		8" SOLID CONCRETE WALL w/ ONE LAYER OF 5/8" TYPE 'X' GWB ON ONE SIDE OF CONCRETE WALL w/ 7/8" FURRING CHANNEL @ MAX. 24" O.C.
5		
6		8" REINFORCED CONCRETE WALL
7		STUCCO / REINFORCED CONCRETE EXTERIOR WALL. REINFORCED CONCRETE (SIZE REFER TO STRUCTURAL DWG'S) w/ 2" R-10 RIGID INSULATION, WATERPROOFING MEMBRANE, AND 2" OF STUCCO ON EXTERIOR SIDE.
8		STUCCO/ STEEL FRAMED EXTERIOR WALL w/ 6" METAL STUDS @ 16" O.C. R-21 FIBERGLASS INSULATION, AND TWO LAYERS OF 5/8" TYPE 'X' GWB ON INTERIOR SIDE. ONE LAYER OF 1/2" SHEATHING, WATERPROOFING MEMBRANE, AND 2" OF STUCCO ON EXTERIOR SIDE
9		STUCCO/ MASONRY EXTERIOR WALL w/ 7 5/8" 2 HOUR RATED CMU BLOCKS LAID WITH FULL MORTAR BEDS AND WITH 9 GAGE JOINT REINFORCEMENT @ 16" O.C. VERTICALLY. 26 GAGE CORRUGATED METAL TIES @ MAX. 16" O.C. HORIZONTALLY AND EVERY 3 COURSE VERTICALLY. MIN 1" AIR SPACE. 2" R-10 RIGID INSULATION, WATERPROOFING MEMBRANE, AND METAL PANEL ATTACHED ON EXTERIOR SIDE. 3-5/8" METAL STUD @ MAX. 16" O.C. w/ R-13 FIBERGLASS INSULATION AND ONE LAYER OF 5/8" TYPE 'X' GWB ON INTERIOR SIDE.
10		STUCCO/ MASONRY EXTERIOR WALL w/ 7 5/8" 2 HOUR RATED CMU BLOCKS LAID WITH FULL MORTAR BEDS AND WITH 9 GAGE JOINT REINFORCEMENT @ 16" O.C. VERTICALLY. 26 GAGE CORRUGATED METAL TIES @ MAX. 16" O.C. HORIZONTALLY AND EVERY 3 COURSE VERTICALLY. MIN 1" AIR SPACE. 2" R-10 RIGID INSULATION, WATERPROOFING MEMBRANE, AND 2" OF STUCCO ON EXTERIOR SIDE. 3-5/8" METAL STUD @ MAX. 16" O.C. w/ R-13 FIBERGLASS INSULATION AND ONE LAYER OF 5/8" TYPE 'X' GWB ON INTERIOR SIDE.
11		REINFORCED CONCRETE FOUNDATION WALL (SIZE REFER TO STRUCTURAL DWG'S) w/ 3-5/8" METAL STUD @ MAX. 16" O.C., R-13 FIBERGLASS INSULATION AND ONE LAYER OF 5/8" TYPE 'X' GWB ON INTERIOR SIDE.

FINISH SCHEDULE

FLOOR	ROOM NAME	FLOOR		WALL		CEILING			REMARKS
		MATERIAL	BASE	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
CELLAR	EMPLOYEE	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	OFFICE	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	BUSINESS CENTER	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	BREAKFAST AREA	P.T./S.T.	P.T./S.T.	GYP.	PTD.	GYP.	PTD.	8'-8"	
	PANTRY	P.T	P.T	P.T. / GYP.	PTD.	GYP.	PTD.	8'-8"	
	CORRIDOR	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	H/C RESTROOM	P.T./S.T.	P.T./S.T.	P.T./S.T.	-	GYP.	PTD.	8'-0"	
	EXERCISE	VCT	VINYL	GYP.	PTD.	GYP.	PTD.	8'-8"	
	LAUNDRY	VCT	VINYL	CONC./ GYP.	PTD.	GYP.	PTD.	8'-8"	
	EXIT STAIRS	CONC./VCT	VINYL	CONC./ GYP.	PTD.	GYP.	PTD.	VARIES	ALL EXIT STAIRS TO BE CONCRETE POURED STEEL PAN STAIRS
	ATS-CABLE, WATER, GAS, ELECT. METER ROOM	CONC.	-	CONC./ GYP.	PTD.	GYP.	PTD.	9'-2"	
	COMPACTOR	CONC.	-	GYP.	PTD.	GYP.	PTD.	9'-2"	
	STORAGE	VCT	VINYL	CONC./ GYP.	PTD.	GYP.	PTD.	8'-8"	
1ST FL.	EXIT STAIRS	VCT	VINYL	CONC./GYP.	PTD.	GYP.	PTD.	VARIES	ALL EXIT STAIRS TO BE CONCRETE POURED STEEL PAN STAIRS
	LOBBY/ RECEPTION	P.T./S.T.	P.T./S.T.	GYP.	PTD.	GYP.	PTD.	8'-8"	
	CORRIDOR	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	GUESTROOM	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	BATHROOM	P.T./S.T.	P.T./S.T.	P.T./S.T.	-	GYP.	PTD.	8'-0"	
	RPZ	CONC.	VINYL	GYP.	PTD.	GYP.	PTD.	8'-8"	
	BICYCLE STORAGE	VCT	VINYL	C.BLK./GYP.	PTD.	GYP.	PTD.	8'-8"	
2ND TO 5TH FL.	EXIT STAIRS	CONC./VCT	VINYL	CONC./GYP.	PTD.	GYP.	PTD.	VARIES	ALL EXIT STAIRS TO BE CONCRETE POURED STEEL PAN STAIRS
	CORRIDOR	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	GUESTROOM	C	WD	GYP.	PTD.	GYP.	PTD.	8'-8"	
	BATHROOM	P.T./S.T.	P.T./S.T.	P.T./S.T.	-	GYP.	PTD.	8'-0"	
6TH FL.	EXIT STAIRS	VCT	VINYL	CONC./GYP.	PTD.	GYP.	PTD.	VARIES	
	CORRIDOR	VCT	VINYL	GYP.	PTD.	GYP.	PTD.	8'-8"	
	BATHROOM	P.T./S.T.	P.T./S.T.	P.T./S.T.	-	GYP.	PTD.	8'-0"	
	COMMUNITY FACILITY	VCT	VINYL	GYP.	PTD.	GYP.	PTD.	8'-8"	
ROOF	EXIT STAIRS	VCT	VINYL	CONC./ GYP.	PTD.	GYP.	PTD.	VARIES	ALL EXIT STAIRS TO BE CONCRETE POURED STEEL PAN STAIRS
	MECHANICAL & ELEVATOR CONTROL ROOM	CONC.	-	CONC./ GYP.	PTD.	GYP.	PTD.	8'-4"	

ABBREVIATIONS

A.C.C.T	ACOUSTIC CEILING TILE	C.BLK	CONCRETE BLOCK	GYP.	GYPSUM BOARD	S.T.	STONE TILE	VCT	VINYL COMPOSITION TILE
C	CARPET	CONC.	CONCRETE	PTD.	PAINTED	T.B.D.	TO BE DETERMINED		
		C.Y.	CERAMIC TILE	P.T.	PORCELAIN TILE	WD	WOOD		

REVIEWED FOR ZONING GRADES AND FIRE PREVENTION ONLY AS PER BIA NO. 5/15
JUN 0 • 2017
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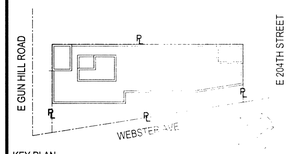
DEP? BLDGS Job No. 220551793
Scan Code ESHS0897536



KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT

3466 WEBSTER AVENUE

BRONX NY

PARTITION TYPES & FINISH SCHEDULE

SEAL & SIGNATURE

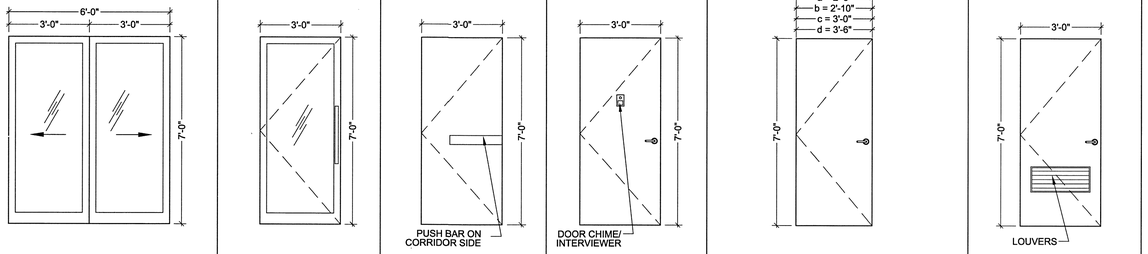
REGISTERED ARCHITECT MICHAEL KANG 026180 STATE OF NEW YORK

DATE 7/14.16
PROJECT No 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No.

A-112.00

PAGE No 17 of 29

DOOR TYPES

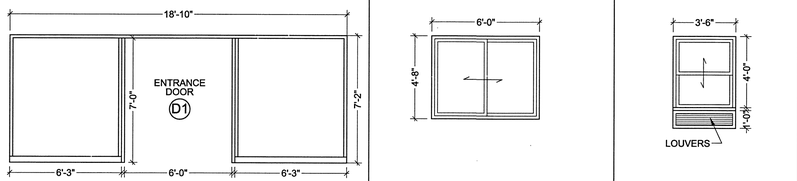


D1	A	D2	B	D3	C	D4	D	D5a, D5b, D5c, D5d	E	D6	F

DOOR SCHEDULE

DOOR #	ROOM NAME	DOOR						FRAME		SADDLE MATERIAL	DOOR QUANTITY	U-FACTOR	SHGC	AIR LEAKAGE	REMARKS
		TYPE	NOMINAL DOOR DIMENSIONS			MATERIAL	FINISH	FIRE RATING	MATERIAL	FINISH					
			WIDTH	HEIGHT	THICKNESS										
D1	BUILDING ENTRY	A	3'-0" (X2)	7'-0"	1 3/4"	AL/GL	-	-	ALUM.	-	ALUM.	1	0.640	0.280	<= 0.2 CFM/SF	ASSA ABLOY BESAM SL500 ECODOOR
D2	EXERCISE	C	3'-0"	7'-0"	1 3/4"	AL/GL	-	-	ALUM.	-	ALUM.	1	-	-	-	ALUM. FRAME TEMPERED GLASS DOOR
D3	EXIT STAIR	E	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	B	H.M.	PAINT	ALUM.	17	0.067	-	-	1 1/2 HOUR FPSC H.M. DOOR w/ PUSH BAR AT CORRIDOR SIDE
D4	GUEST ROOM	D	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	B	H.M.	PAINT	ALUM.	47	-	-	-	1 1/2 HOUR FPSC H.M. DOOR w/ DOOR CHIME
D5a	BATHROOM	F	2'-6"	7'-0"	1 3/4"	H.M.	PAINT	B	H.M.	PAINT	MARBLE	44	-	-	-	1 1/2 HOUR FPSC DOOR
D5b	H/C TOILET	F	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	B	H.M.	PAINT	MARBLE	2	-	-	-	1 1/2 HOUR FPSC DOOR
D5c	H/C BATH	F	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	B	H.M.	PAINT	MARBLE	26	-	-	-	1 1/2 HOUR FPSC DOOR
	METER ROOM/ COMPACTOR/ BICYCLE STORAGE/ RPZ/ COMMUNITY FACILITY	F									ALUM.					
D5d	LAUNDRY	F	3'-6"	7'-0"	1 3/4"	H.M.	PAINT	B	H.M.	PAINT	ALUM.	1	-	-	-	1 1/2 HOUR FPSC DOOR
D6	ELEVATOR CONTROL ROOM/ MECHANICAL ROOM	G	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	B	H.M.	PAINT	ALUM.	2	-	-	-	1 1/2 HOUR FPSC DOOR w/ LOUVERS

WINDOW TYPES



	A	W2	B	W3	C

WINDOW SCHEDULE

WINDOW #	WINDOW				FRAME	U-FACTOR	SHGC	AIR LEAKAGE	QUANTITY	REMARKS
	NOMINAL WINDOW DIMENSIONS		GLASS	TYPE	MATERIAL					
	WIDTH	HEIGHT								
W1	18'-10"	7'-2"	INSULATED	A	ALUM.	0.360	0.320	<0.01 CFM/SF	1	TUBELITE T-14000 STOREFRONT
W2	6'-0"	4'-8"	INSULATED	B	ALUM.	0.320	0.310	<= 0.2 CFM/SF	81	ANDERSEN E-SERIES LOW-E4 2.2MM DUAL PANE GLASS
W3	3'-6"	4'-0"	INSULATED	C	ALUM.	0.300	0.300	<= 0.2 CFM/SF	2	ANDERSEN E-SERIES LOW-E4 2.2MM DUAL PANE GLASS

AIR LEAKAGE NOTE (2016 NYC ECC)

C402.4 AIR LEAKAGE - THEMAL ENVELOPE (MANDATORY).
THE THERMAL ENVELOPE OF BUILDINGS SHALL COMPLY WITH SECTIONS C402.5.1 THROUGH C402.5.8, OR THE BUILDING THERMAL ENVELOPE SHALL BE TESTED IN ACCORDANCE WITH ASTM E 779 AT A PRESSURE DIFFERENTIAL OF 0.3 INCH WATER GAUGE (75 PA) OR AN EQUIVALENT METHOD APPROVED BY THE CODE OFFICIAL AND DEEMED TO COMPLY WITH THE PROVISIONS OF THIS SECTION WHEN THE TESTED AIR LEAKAGE RATE OF THE BUILDING THERMAL ENVELOPE IS NOT GREATER THAN 0.40 CFM/FT² (0.2 L/S • M²). WHERE COMPLIANCE IS BASED ON SUCH TESTING, THE BUILDING SHALL ALSO COMPLY WITH SECTIONS C402.5.5, C402.5.7.

C402.5.1 AIR BARRIERS. A CONTINUOUS AIR BARRIER SHALL BE PROVIDED THE BUILDING THERMAL ENVELOPE. THE AIR BARRIERS SHALL BE PERMITTED TO BE LOCATED ON THE INSIDE OR OUTSIDE OF THE BUILDING ENVELOPE, LOCATED WITHIN THE ASSEMBLIES COMPOSING THE ENVELOPE, OR ANY COMBINATION THEREOF. THE AIR BARRIER SHALL COMPLY WITH SECTIONS C402.5.1.1 AND C402.5.1.2.
EXCEPTION: AIR BARRIERS ARE NOT REQUIRED IN BUILDINGS LOCATED IN CLIMATE ZONE 2B.

C402.5.1.1 AIR BARRIER CONSTRUCTION. THE CONTINUOUS AIR BARRIER SHALL BE CONSTRUCTED TO COMPLY WITH THE FOLLOWING:
1. THE AIR BARRIER SHALL BE CONTINUOUS FOR ALL ASSEMBLIES THAT ARE THE THERMAL ENVELOPE OF THE BUILDING AND ACROSS THE JOINTS AND ASSEMBLIES.
2. AIR BARRIER JOINTS AND SEAMS SHALL BE SEALED, INCLUDING SEALING TRANSITIONS IN PLACES AND CHANGES IN MATERIALS . THE JOINTS AND SEALS SHALL BE SECURELY INSTALLED IN OR ON THE JOINT FOR ITS ENTIRE LENGTH SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR ITS ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT AND MECHANICAL VENTILATION.
3. PENETRATIONS OF THE AIR BARRIER SHALL BE CAULKED, GASKETED OR OTHERWISE SEALED IN A MANNER COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION. JOINTS AND SEALS ASSOCIATED WITH PENETRATIONS SHALL BE SEALED IN THE SAME MANNER OR TAPED OR COVERED WITH MOISTURE VAPOR-PERMEABLE WRAPPING, MATERIAL. SEALING MATERIALS SHALL BE APPROPRIATE TO THE CONSTRUCTION MATERIALS BEING SEALED AND SHALL BE SECURELY INSTALLED AROUND THE PENETRATION SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR THE PENETRATIONS' ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT AND MECHANICAL VENTILATION. SEALING OF CONCEALED FIRE SPRINKLERS, WHERE REQUIRED, SHALL BE IN A MANNER THAT IS RECOMMENDED BY THE MANUFACTURER. CAULKING OR OTHER ADHESIVE SEALANTS SHALL NOT BE USED TO FILL VOIDS BETWEEN FIRE SPRINKLER COVER PLATES AND WALLS OR CEILINGS.
4. RECESSED LIGHTING FIXTURES SHALL COMPLY WITH SECTION C402.5.8. WHERE SIMILAR OBJECTS ARE INSTALLED THAT PENETRATE THE AIR BARRIER, PROVISIONS SHALL BE MADE TO MAINTAIN THE INTEGRITY OF THE AIR BARRIER.

C402.5.1.2 AIR BARRIER COMPLIANCE OPTIONS. A CONTINUOUS AIR BARRIER FOR THE OPAQUE BUILDING ENVELOPE SHALL COMPLY WITH SECTION C402.5.1.2.1 OR C402.5.1.2.2.

C402.5.1.2.1 MATERIALS. MATERIALS WITH AN AIR PERMEABILITY NOT GREATER THAN 0.004 CFM/FT² (0.02 L/S • M²) UNDER A PRESSURE DIFFERENTIAL OF 0.3 INCH WATER GAUGE (75 PA WHEN TESTED IN ACCORDANCE WITH ASTM E 2178 SHALL COMPLY WITH THIS SECTION. MATERIALS IN ITEMS 1 THROUGH 16 SHALL BE DEEMED TO COMPLY WITH THIS SECTION, PROVIDED JOINTS ARE SEALED AND MATERIALS ARE INSTALLED AS AIR BARRIERS IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
1. PLYWOOD WITH A THICKNESS OF NOT LESS THAN 3/8 INCH (10 MM).
2. ORIENTED STRAND BOARD HAVING A THICKNESS OF NOT LESS THAN 3/8 INCH (10 MM).
3. EXTRUDED POLYSTYRENE INSULATION BOARD HAVING A THICKNESS OF NOT LESS THAN 1/2 INCH (12.7 MM).
4. FOIL-BACK POLYISOCYANURATE INSULATE BOARD HAVING A THICKNESS OF NOT LESS THAN 1/2 INCH (12.7 MM).
5. CLOSED-CELL SPRAY FOAM A MINIMUM DENSITY OF 1.5 PCF (2.4 KG/M³) HAVING A THICKNESS OF NOT LESS THAN 1-1/2 INCHES (38 MM).
6. OPEN-CELL SPRAY FOAM WITH A DENSITY BETWEEN 0.4 AND 1.5 PCF (0.6 AND 2.4 KG/M³) AND HAVING A THICKNESS OF NOT LESS THAN 4.5 INCHES (113 MM).
7. EXTERIOR OR INTERIOR GYPSUM BOARD HAVING A THICKNESS OF NOT LESS THAN 1/2 INCH (12.7 MM).
8. CEMENT BOARD HAVING A THICKNESS OF NOT LESS THAN 1/2 INCH (12.7 MM)
9. BUILT-UP ROOFING MEMBRANE.
10. MODIFIED BITUMINOUS ROOF MEMBRANE.
11. FULLY ADHERED SINGLE-PLY ROOF MEMBRANE.
12. A PORTLAND CEMENT/ SAND PARGE, OR GYPSUM PLASTER HAVING A THICKNESS OF NOT LESS THAN 5/8 INCH (15.9 MM).
13. CAST-IN-PLACE AND PRECAST CONCRETE.
14. FULLY GROUTED CONCRETE BLOCK MASONRY.
15. SHEET STEEL OR ALUMINUM.
16. SOLID OR HOLLOW MASONRY CONSTRUCTED OF CLAY OR SHALE MASONRY UNITS.

C402.5.1.2.2 ASSEMBLIES. ASSEMBLIES OF MATERIALS AND COMPONENTS WITH AN AVERAGE AIR LEAKAGE NOT GREATER THAN 0.04 CFM/FT² (0.2 L/S • M²) UNDER A PRESSURE DIFFERENTIAL OF 0.3 INCH OF WATER GAUGE (W.G)(75 PA) WHEN TESTED IN ACCORDANCE WITH ASTM E 2357, ASTM E 1677 OR ASTM E 283 SHALL COMPLY WITH THIS SECTION. ASSEMBLIES LISTED IN ITEMS 1 THOUGH 3 SHALL BE DEEMED TO COMPLY, PROVIDED JOINTS ARE SEALED AND THE REQUIREMENTS OF SECTION C402.5.1.1 ARE MET.
1. CONCRETE MASONRY WALLS COATED WITH EITHER ONE APPLICATION OF BLOCK FILLER OR TWO APPLICATIONS OF A PAINT OR SEALER COATING.
2. MASONRY WALLS CONSTRUCTED OF CLAY OR SHALE MASONRY UNITS WITH A NOMINAL WIDTH OF 4 INCHES (102 MM) OR MORE.
3. A PORTLAND CEMENT/ SAND PARGE, STUCCO OR PLASTER NOT LESS THAN 1/2 INCH (12.7 MM) IN THICKNESS.

C402.5.1.3 AIR BARRIER TESTING. NEW BUILDINGS OF A CERTAIN SIZE MUST COMPLY WITH THE FOLLOWING REQUIREMENTS:
1. NEW BUILDINGS 25,000 SQUARE FEET (2322.6 M²) AND GREATER, BUT LESS THAN 50,000 SQUARE FEET (4645.2 M²), AND LESS THAN OR EQUAL TO 75 FEET (22.86 M) IN HEIGHT MUST SHOW COMPLIANCE THROUGH TESTING IN ACCORDANCE WITH ASTM E 779 AND DEPARTMENT RULES.
2. NEW BUILDINGS 50,000 SQUARE FEET (4645.2 M²) AND GREATER, SHALL TEST OR INSPECT EACH TYPE OF UNIQUE AIR BARRIER JOINT OR SEAM IN THE BUILDING ENVELOPE FOR CONTINUITY AND DEFECTS, AS PER AN AIR BARRIER CONTINUITY PLAN DEVELOPED BY A REGISTERED DESIGN PROFESSIONAL AND DEPARTMENT RULES.
3. RULES GOVERNING AIR BARRIER TESTING PROMULGATED BY THE DEPARTMENT.

C402.5.2 AIR LEAKAGE OF FENESTRATION. THE AIR LEAKAGE OF FENESTRATION ASSEMBLIES SHALL MEET THE PROVISIONS OF TABLE C402.5.2. TESTING SHALL BE IN ACCORDANCE WITH THE APPLICABLE REFERENCE TEST STANDARD IN TABLE C402.5.2 BY AN ACCREDITED, INDEPENDENT TESTING LABORATORY AND LABELED BY THE MANUFACTURER.
EXCEPTIONS:
1. FIELD-FABRICATED FENESTRATION ASSEMBLIES THAT ARE SEALED IN ACCORDANCE WITH SECTION C402.5.1.
2. FENESTRATION IN BUILDINGS THAT COMPLY WITH THE TESTING ALTERNATIVE OF SECTION C402.5 ARE NOT REQUIRED TO MEET THE AIR LEAKAGE REQUIREMENTS IN TABLE C402.5.2.

TABLE C402.5.2.
MAXIMUM AIR LEAKAGE RATE FOR FENESTRATION ASSEMBLIES

FENESTRATION ASSEMBLY	MAXIMUM RATE (CFM/ SF)	TEST PROCEDURE
WINDOWS	0.20 [a]	AAMA/ WDMA/ CSA101/ I.S.2/ A440 OR NFRC 400
SLIDING DOORS	0.20 [a]	
SWING DOORS	0.20 [a]	
SKYLIGHTS-WITH CONDENSATION WEEPAGE OPENINGS	0.30	
SKYLIGHTS - ALL OTHER	0.20 [a]	
CURTAIN WALLS	0.06	NFRC 400 OR ASTM E 283 AT 1.57 PSF (75 PA)
STOREFRONT GLAZING	0.06	
COMMERCIAL GLAZED SWINGING ENTRANCE DOORS	1.00	
REVOLVING DOORS	1.00	
GARAGE DOORS	0.40	ANSI / DASMA 105, NFRC 400, OR ASTM E 283 AT 1.57 PSF (75 PA)
ROLLING DOORS	1.00	
HIGH-SPEED DOORS	1.00	

FOR SI: 1 CUBIC FOOT PER MINUTE = 0.47L/S, 1 SQUARE FOOT = 0.093 SJM
A THE MAXIMUM RATE FOR WINDOWS, SLIDING AND SWINGING DOORS, AND SKYLIGHTS IS PERMITTED TO BE 0.3 CFM PER SQUARE FOOT OF FENESTRATION OR DOOR AREA WHEN TESTED IN ACCORDANCE WITH AAMA/ WDMA/ CSA 101/ I.S.2/ A440 AT 6.24 PSF (300 PA)

C402.5.3 ROOMS CONTAINING FUEL-BURNING APPLIANCES. IN CLIMATE ZONES 3 THROUGH 8, WHERE OPEN COMBUSTION AIR DUCTS PROVIDE COMBUSTION AIR TO OPEN COMBUSTION SPACE CONDITIONING FUEL-BURNING APPLIANCES, THE APPLIANCES AND COMBUSTION AIR OPENINGS SHALL BE LOCATED OUTSIDE OF THE BUILDING THERMAL ENVELOPE OR ENCLOSED IN A ROOM ISOLATED FROM INSIDE THE THERMAL ENVELOPE. SUCH ROOMS SHALL BE SEALED AND INSULATED IN ACCORDANCE WITH THE ENVELOPE REQUIREMENTS OF TABLE C402.1.3 OR C402.1.4, WHERE THE WALLS, FLOORS AND CEILINGS SHALL BE FULLY GASKETED, AND ANY WATER LINES AND DUCTS IN THE ROOM INSULATED IN ACCORDANCE WITH SECTION C403. THE COMBUSTION AIR DUCT SHALL BE INSULATED, WHERE IT PASSES THROUGH CONDITIONED SPACE, TO A MINIMUM OF R-8.
EXCEPTIONS:
1. DIRECT VENT APPLIANCES WITH BOTH INTAKE AND EXHAUST PIPES INSTALLED CONTINUES TO THE OUTSIDE.
2. FIREPLACES AND STOVES COMPLYING WITH SECTIONS 901 THROUGH 905 OF THE NEW YORK CITY MECHANICAL CODE AND SECTION 21111.13 OF THE NEW YORK CITY BUILDING CODE.

C402.5.4 DOORS AND ACCESS OPENINGS TO SHAFTS, CHUTES, STAIRWAYS AND ELEVATOR LOBBIES. DOORS AND ACCESS OPENINGS FROM CONDITIONED SPACE TO SHAFTS, CHUTES STAIRWAYS AND ELEVATOR LOBBIES NOT WITHIN THE SCOPE OF THE FENESTRATION ASSEMBLIES COVERED BY SECTION C402.5.2 SHALL BE GASKETED, WEATHERSTRIPPED OR SEALED.
EXCEPTIONS:
1. DOOR OPENINGS REQUIRED TO COMPLY WITH SECTION 715 OR 715.3 OF THE NEW YORK CITY BUILDING CODE.
2. DOORS AND DOOR OPENINGS REQUIRED TO COMPLY WITH UL 1784 BY THE NEW YORK CITY BUILDING CODE.

C402.5.5 AIR INTAKES, EXHAUST OPENINGS, STAIRWAYS AND SHAFTS. STAIRWAY ENCLOSURES, ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AND EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE PROVIDED WITH DAMPERS IN ACCORDANCE WITH SECTION C403.2.4.3.

C402.5.6 LOADING DOCK WEATHERSEALS. CARGO DOORS AND LOADING DOCK DOORS SHALL BE EQUIPPED WITH WEATHERSEALS TO RESTRICT INFILTRATION WHEN VEHICLES ARE PARKED IN THE DOORWAY.

C402.5.7 VESTIBULES. BUILDING ENTRANCES SHALL BE PROTECTED WITH AN ENCLOSED VESTIBULE, WITH ALL DOORS OPENING INTO AND OUT OF THE VESTIBULE EQUIPPED WITH SELF-CLOSING DEVICES. VESTIBULES SHALL BE DESIGNED SO THAT IN PASSING THROUGH THE VESTIBULE IT IS NOT NECESSARY FOR THE INTERIOR AND EXTERIOR DOORS TO OPEN AT THE SAME TIME. THE INSTALLATION OF ONE OR MORE REVOLVING DOORS IN THE BUILDING ENTRANCE SHALL NOT ELIMINATE THE REQUIREMENT THAT A VESTIBULE BE PROVIDED ON ANY DOORS ADJACENT TO REVOLVING DOORS.
EXCEPTIONS: VESTIBULES ARE NOT REQUIRES FOR THE FOLLOWING:
1. BUILDINGS IN CLIMATE ZONES 1 AND 2.
2. DOORS NOT INTENDED TO BE USED BY THE PUBLIC, SUCH AS DOORS TO MECHANICAL OR ELECTRICAL EQUIPMENT ROOMS, OR INTENDED SOLELY FOR EMPLOYEE USE.
3. DOORS OPENING DIRECTLY FROM A SLEEPING UNIT OR DWELLING UNIT.
4. DOORS THAT OPEN DIRECTLY FROM A SPACE LESS 3,000 SQUARE FEET (278.7 M²)AREA, IN BUILDINGS LESS THAN 75 FEET (22.86 M) IN HEIGHT, AND DOORS THAT OPEN DIRECTLY FROM A SPACE LESS THAN 1,000 SQUARE FEET (92.9 M²) IN AREA, IN BUILDINGS 75 FEET (22.86 M) AND GREATER IN HEIGHT.
5. REVOLVING DOORS.
6. DOORS USED PRIMARILY TO FACILITATE VEHICULAR MOVEMENT OR MATERIAL HANDLING AND ADJACENT PERSONNEL DOORS.
7. DOORS THAT HAVE AN AIR CURTAIN WITH A VELOCITY OF NOT LESS THAN 6.56 FEET PER SECOND (2 M/S) AT THE FLOOR THAT HAVE BEEN TESTED IN ACCORDANCE WITH ANSI/ AMCA 220 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. MANUAL OR AUTOMATIC CONTROLS SHALL BE PROVIDED THAT WILL OPERATE THE AIR CURTAIN WITH THE OPENING AND CLOSING OF THE DOOR. AIR CURTAINS AND THEIR CONTROLS SHALL COMPLY WITH SECTION C408.4.3.

C402.5.8 RECESSED LIGHTING. RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE ALL OF THE FOLLOWING:
1. IC-RATED.
2. LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT MORE 2.0 CFM (0.944 L/C) WHEN TESTED IN ACCORDANCE WITH ASTM E 283 AT A 1.57 PSF (75 PA) PRESSURE DIFFERENTIAL.
3. SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND INTERIOR WALL OR CEILING COVERING.

EXAMINED FOR COMPLIANCE WITH FIRE PREVENTION ONLY AS PER BAN NO. 27-6
JUN 0 • 2017
THEODORE FINLEY

OPERATING & MAINTENANCE NOTES (2016 NYC ECC)

C408.2.5.2 MANUALS. AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE ALL OF THE FOLLOWING:
1. SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
2. MANUFACTURER'S OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
3. NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY.
4. HVAC AND SERVICE HOT WATER CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS. DESIRED OR FIELD-DETERMINED SET POINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT CONTROL DEVICES OR, FOR DIGITAL CONTROL SYSTEMS, IN SYSTEM PROGRAMMING INSTRUCTIONS.
5. SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING CONTROLS.
6. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
7. A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.
8. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SET POINTS.

MKA
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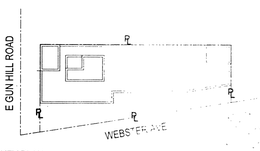


KEY PLAN

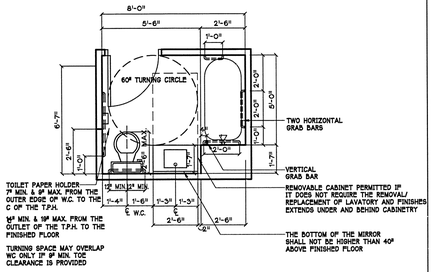
REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

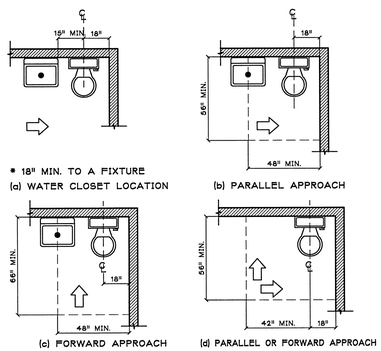
DOOR & WINDOW SCHEDULES

SEAL & SIGNATURE
REGISTERED ARCHITECT MICHAEL KANG 026840 STATE OF NEW YORK

DATE: 7.14.16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
Chk BY: M. Kang
DWG No
A-113.00
PAGE No: 18 of 29



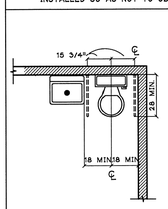
R-2 OCCUPANCIES TYPE B UNIT
TYPE A BATHROOM (FIG. R2A3)
NOT TO SCALE



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

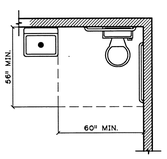
HANDICAPPED ADAPTABILITY NOTES

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 RS4-6, 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 ½ IN. IN HEIGH FOR EXTERIOR RESIDENTIAL SLIDING DOORS OR ¾ 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 EXTED 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, ROUGHEN 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 THROUGH) 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 HANDHOLD 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 1/4 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 RS 4-6. 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 [112N] 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 [112N] 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 [112N] 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 [112N] SHALL BE LESS AND THE SUPPORTING STRUCTURE.
   (e) GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTING.



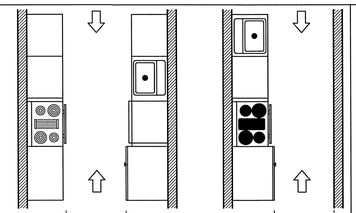
(FIG. 604.5.3)

SWING-UP GRAB BAR FOR WATER CLOSET
NOT TO SCALE

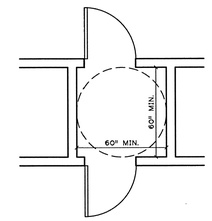


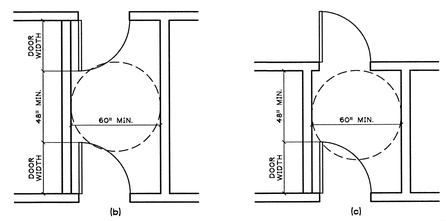
(FIG. 604.3)

SIZE OF CLEARANCE FOR WATER CLOSET
NOT TO SCALE



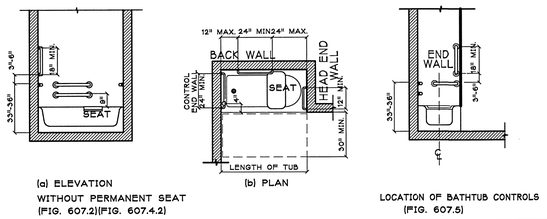
PASS-THROUGH KITCHEN CLEARANCE (FIG. 804.2.1)
NOT TO SCALE



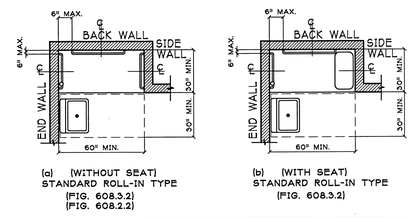


MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS (FIG. 404.2.3.1)
NOT TO SCALE

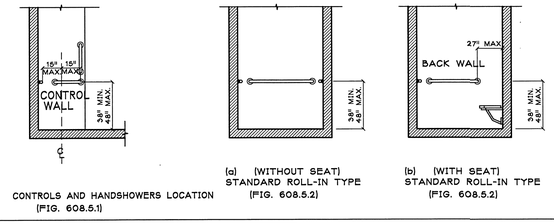
TWO DOORS IN A SERIES (FIG. 404.2.5)
NOT TO SCALE

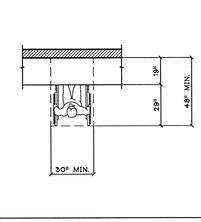


GRAB BARS FOR BATHTUBS WITHOUT PERMANENT SEAT
NOT TO SCALE

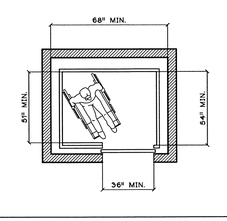


SHOWER COMPARTMENT SIZE AND CLEARANCE
NOT TO SCALE

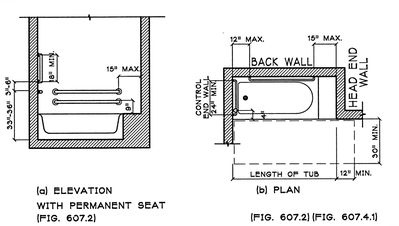




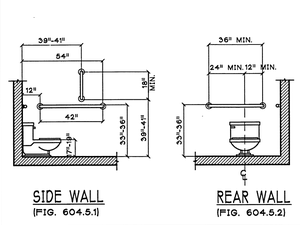
MIN. CLEARANCE FOR SEATING & TABLE
NOT TO SCALE



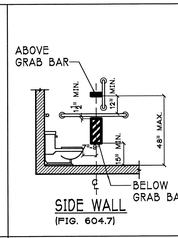
MIN. DIMENSION OF ELEVATOR CAR (FIG. 407.4.1)
NOT TO SCALE



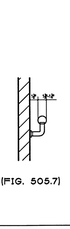
GRAB BARS FOR BATHTUBS WITH PERMANENT SEAT
NOT TO SCALE



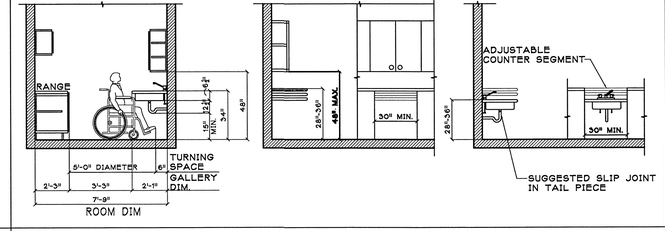
ADAPTABLE WATER CLOSET
NOT TO SCALE



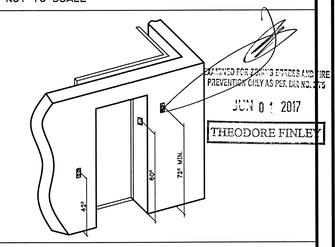
DISPENSER LOCATION
NOT TO SCALE (FIG. 604.7)



GRAB BAR DETAIL
NOT TO SCALE



ADAPTABLE KITCHEN WITH REMOVABLE CABINETS
NOT TO SCALE



HOISTWAY & ELEVATOR ENTRANCE (FIG. 407.2.2.2)
NOT TO SCALE

MKA
MICHAEL KANG ARCHITECT, PLLC.
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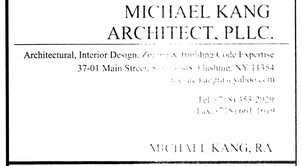
MICHAEL KANG, RA

DEPT BLDGS Job No. 220551793
Scan Code ESHS1034098



REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

ADA

SEAL & SIGNATURE

JUN 01 2017
THEODORE FINLEY

DATE 7/14/16
PROJECT No. 201603
DRAWING BY: C. Kuo F. Ko
CHK BY: M. Kang
DWG No
A-114.00
PAGE No 19 of 29

COMcheck Software Version 4.0.5.0
Envelope Compliance Certificate

Project Information

Energy Code:	2016 New York City Energy Conservation Code
Project Title:	
Location:	New York, New York
Climate Zone:	4a
Project Type:	New Construction
Vertical Glazing / Wall Area:	16%

Construction Site:
3466 Webster Street
Bronx, NY 10467

Owner/Agent:

Designer/Contractor:
Michael Kang Architect, P.C.
37-01 Main Street
Suite 3A
Flushing, NY 11354
718-353-2929
michaelkangra@yahoo.com

Building Area	Floor Area
1-Hotel : Residential	21963
2-Community Facility (Health Care-Clinic) : Nonresidential	3314

Additional Efficiency Package

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

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Building Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Hotel]	3314	---	19.0	0.051	0.032
Cellar Roof (1st. Fl. Front Open Space): Other Roof, [Bldg. Use 1 - Hotel] (b)	1395	---	---	0.073	0.027
NORTH					
North Exterior Wall_Hotel (concrete/ stucco): Solid Concrete:8" Thickness, Normal Density, Furring: Metal, [Bldg. Use 1 - Hotel]	1717	13.0	10.0	0.059	0.090
North Exterior Wall_C.F. (concrete/ stucco): Solid Concrete:8" Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Community Facility]	343	13.0	10.0	0.059	0.104
North Below Grade Wall (concrete): Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 10.0, Depth B.G. 10.0, [Bldg. Use 1 - Hotel]	512	13.0	0.0	0.147	0.108
EAST					
East Exterior Wall_Hotel (concrete/ stucco): Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Hotel]	5549	13.0	10.0	0.057	0.090
Window (W2): Metal Frame:Operable, Perf. Specs.: Product ID ANDERSEN E-Series 2.2mm Dual Pane Glass, SHGC 0.31, [Bldg. Use 1 - Hotel] (c)	560	---	---	0.320	0.450
East Exterior Wall_C.F. (concrete/ stucco): Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 2 - Community Facility]	1110	13.0	10.0	0.057	0.104

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 2 - Community Facility]					
Window (W2): Metal Frame:Operable, Perf. Specs.: Product ID ANDERSEN E-Series 2.2mm Dual Pane Glass, SHGC 0.31, [Bldg. Use 2 - Community Facility] (c)	112	---	---	0.320	0.450
East Below Grade Wall (concrete): Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 10.0, Depth B.G. 10.0, [Bldg. Use 1 - Hotel]	1110	13.0	0.0	0.147	0.108
SOUTH					
South Exterior Wall_Hotel (concrete/ stucco): Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Hotel]	1175	13.0	10.0	0.057	0.090
South Exterior Wall_C.F. (concrete/ stucco): Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 2 - Community Facility]	235	13.0	10.0	0.057	0.104
South Below Grade Wall (concrete): Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 10.0, Depth B.G. 10.0, [Bldg. Use 1 - Hotel]	336	13.0	0.0	0.147	0.108
WEST					
West Exterior Wall_Hotel (concrete/ metal panel): Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Hotel]	5549	13.0	10.0	0.057	0.090
Storefront Window (W1): Metal Frame:Fixed, Perf. Specs.: Product ID Tubelite T-14000 Storefront, SHGC 0.32, PF 1.12, [Bldg. Use 1 - Hotel] (c)	93	---	---	0.360	0.380
Window (W2): Metal Frame:Operable, Perf. Specs.: Product ID ANDERSEN E-Series 2.2mm Dual Pane Glass, SHGC 0.31, [Bldg. Use 1 - Hotel] (c)	1596	---	---	0.320	0.450
Door (D1): Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID ASSA ABLOY Besam SL500 EcoDoor, SHGC 0.28, PF 1.12, [Bldg. Use 1 - Hotel] (c)	42	---	---	0.640	0.770
Door (D4): Insulated Metal, Swinging, [Bldg. Use 1 - Hotel]	21	---	---	0.067	0.610
West Exterior Wall_C.F. (concrete/ metal panel): Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 2 - Community Facility]	1110	13.0	10.0	0.057	0.104
Window (W2): Metal Frame:Operable, Perf. Specs.: Product ID ANDERSEN E-Series 2.2mm Dual Pane Glass, SHGC 0.31, [Bldg. Use 2 - Community Facility] (c)	280	---	---	0.320	0.450
West Below Grade Wall (concrete): Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 10.0, Depth B.G. 10.0, [Bldg. Use 1 - Hotel]	1110	13.0	0.0	0.147	0.108

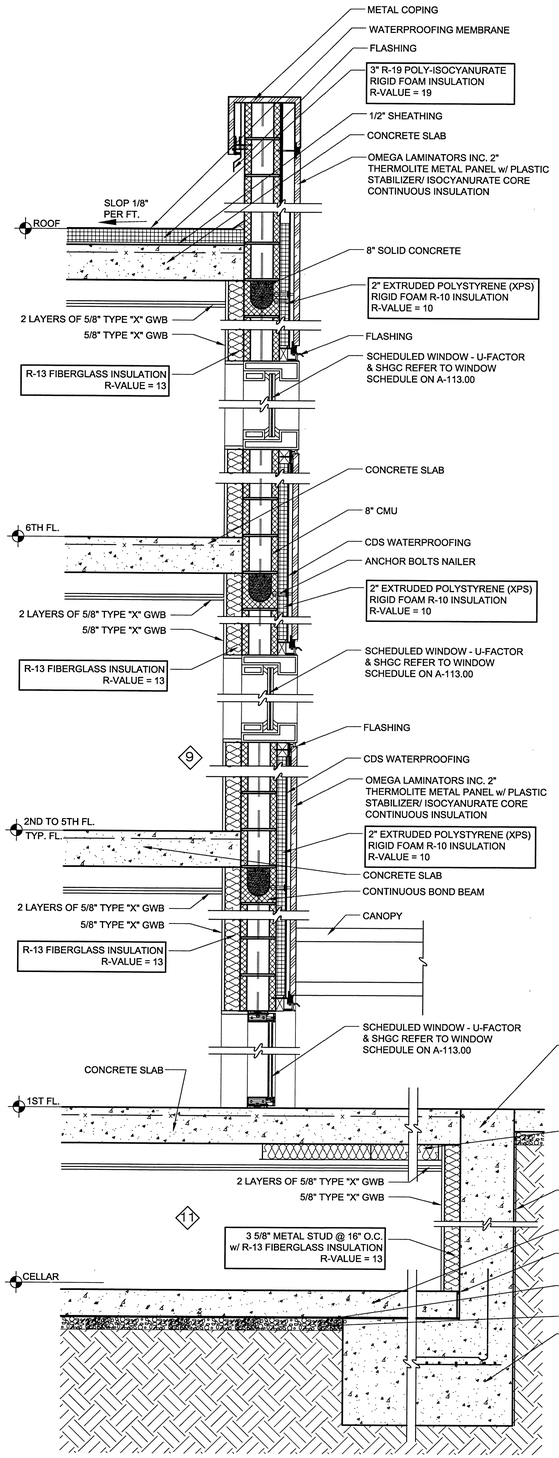
(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) "Other" components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Envelope PASSES: Design 18% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COMcheck Version 4.0.5.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

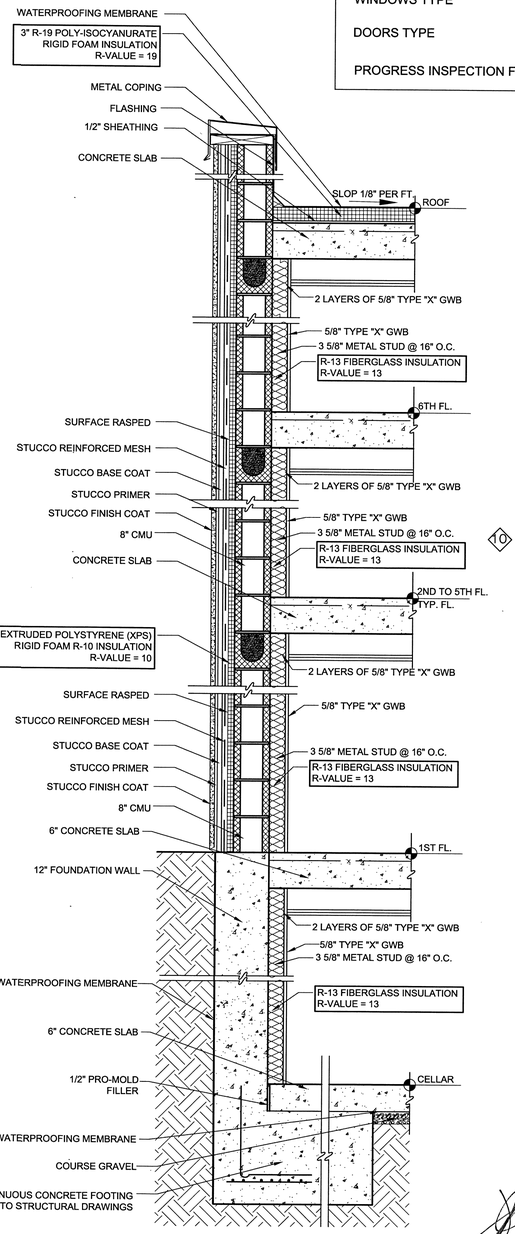


1 METAL PANEL / SOLID CONCRETE WALL PARTIAL EXTERIOR WALL DETAIL
EN-101.0 N.T.S.

***CELLAR ROOF(1ST FL. FRONT OPEN SPACE) HAS CAVITY INSULATION R-VALUE = 13.0 (refer to details)**
This info is missing on the above certificate because COMcheck software doesn't give an option to input cavity insulation for it, it allows to input 'U-Factor' only

SUPPORTING DOCUMENTATION REFERENCE:

ROOF TYPE	EN-101
EXTERIOR WALL TYPE	EN-101
FOUNDATION TYPE	EN-101
BASEMENT/ CELLAR WALL TYPE	EN-101
WINDOWS TYPE	A-113
DOORS TYPE	A-113
PROGRESS INSPECTION FOR ENVELOPE	EN-105



2 STUCCO / SOLID CONCRETE WALL PARTIAL EXTERIOR WALL DETAIL
EN-101.0 N.T.S.

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BC 28-105.3.1
JUN 01 2017
THEODORE FINLEY

TO THE BEST OF MY KNOWLEDGE, THE PROPOSED BUILDING IN COMPLIANCE WITH 2016 NEW YORK CITY ENERGY CONSERVATION CODE USING CHAPTER C4 (COMMERCIAL ENERGY EFFICIENCY)

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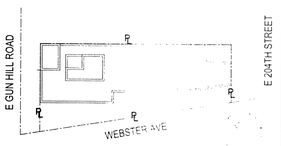
DEPT BLDGS Job No. 220551793
Scan Code ESHS1373694



KEY PLAN

REV.#	DATE	DESCRIPTION

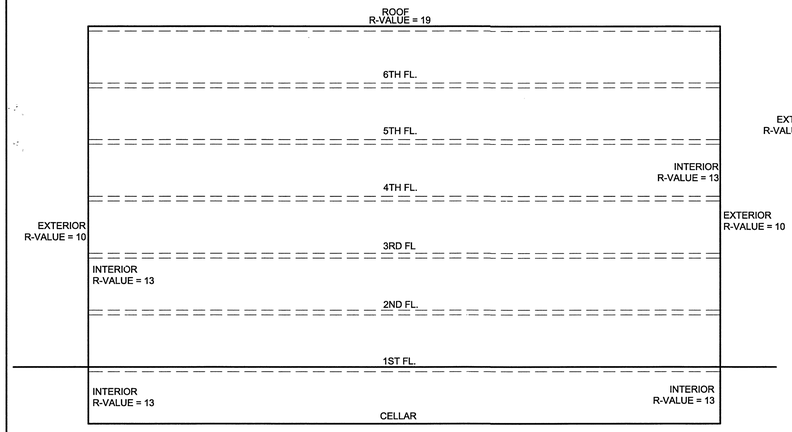
PROJECT
3466 WEBSTER AVENUE
BRONX, NY

ENERGY ANALYSIS
ENVELOPE & WALL DETAILS

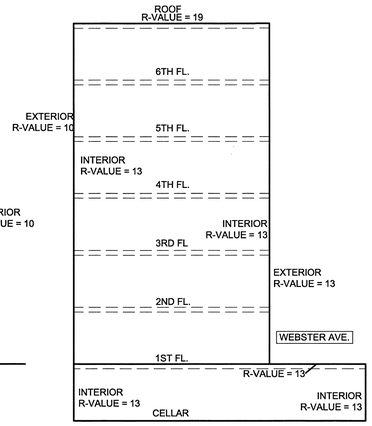
SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG 024840 STATE OF NEW YORK

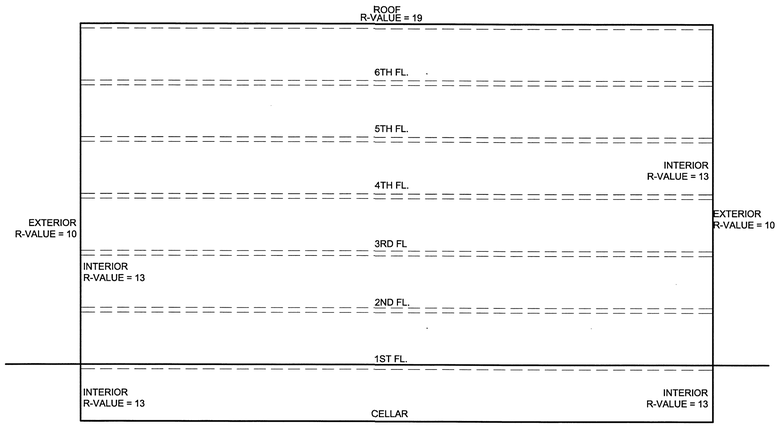
DATE: 7.14.16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
EN-101.00
PAGE No: 20 of 29



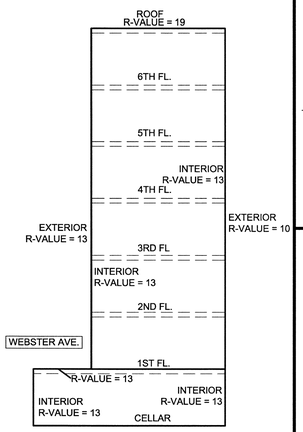
THERMAL ENVELOPE WEST WALL (WEBSTER AVE.)



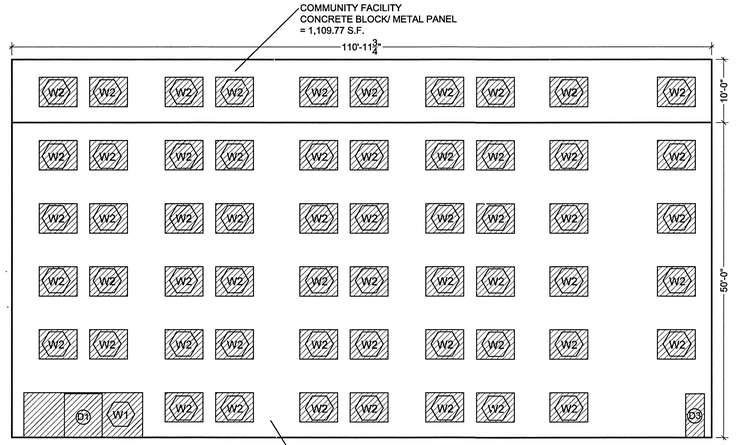
THERMAL ENVELOPE NORTH WALL

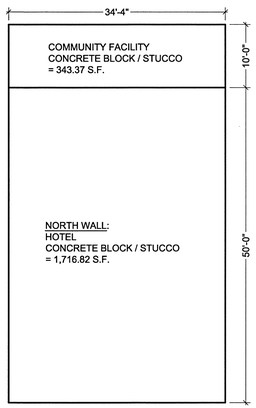


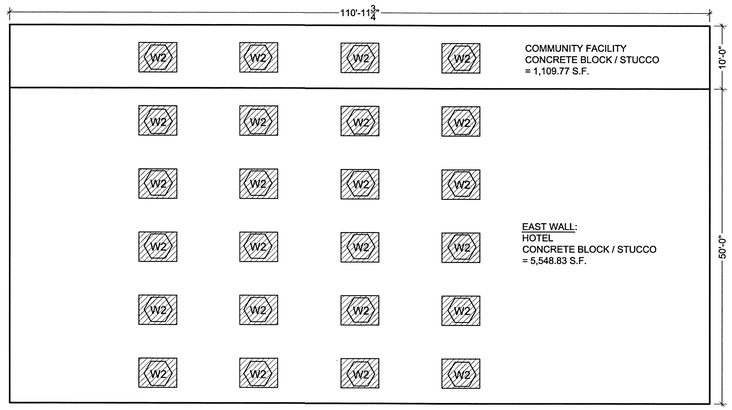
THERMAL ENVELOPE EAST WALL

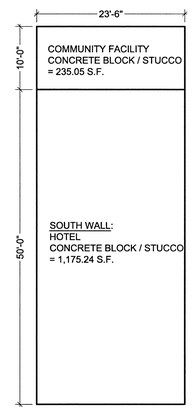


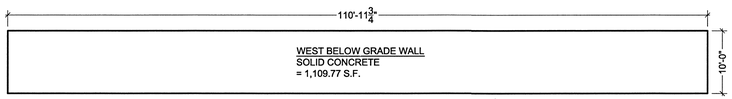
THERMAL ENVELOPE SOUTH WALL

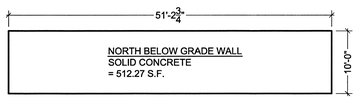


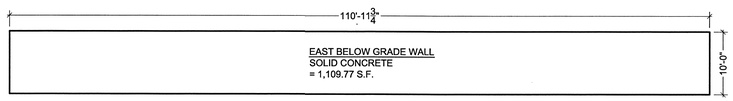


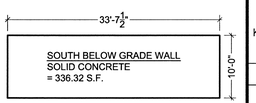


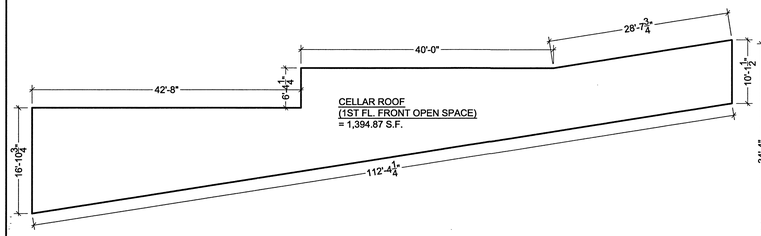


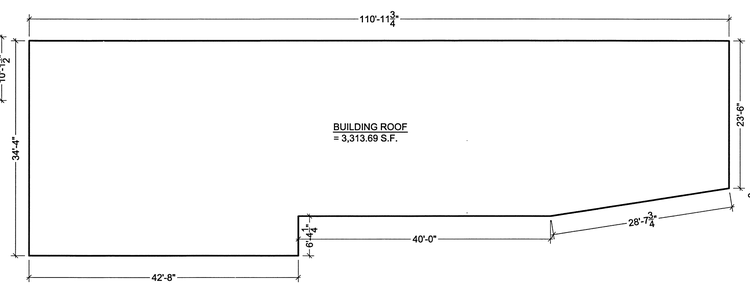


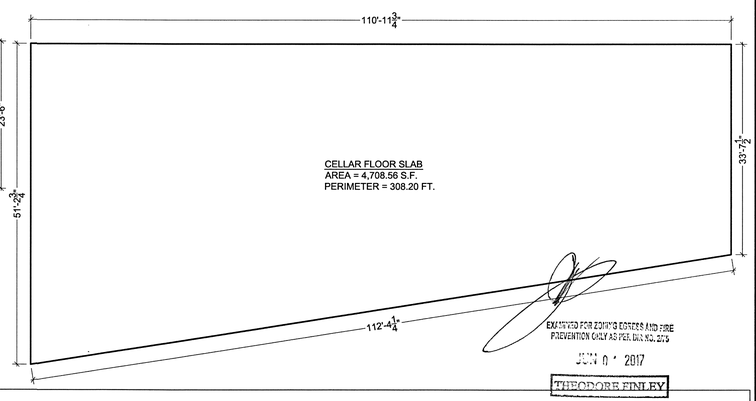












EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BULL. NO. 275
JUN 0 ' 2017
THEODORE FINLEY

FLOOR SPACE AND GROSS WALL AREA DIAGRAMS

(WINDOW AND DOOR DIMENSIONS REFER TO SCHEDULES ON A-113)

TO THE BEST OF MY KNOWLEDGE, THE PROPOSED BUILDING IN COMPLIANCE WITH 2016 NEW YORK CITY ENERGY CONSERVATION CODE USING CHAPTER C4 (COMMERCIAL ENERGY EFFICIENCY)

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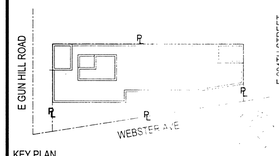
DEPT BLDGS Job No. 220551793
Scan Code ESHS4271242



KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT

3466 WEBSTER AVENUE

BRONX, NY

ENERGY ANALYSIS
THERMAL ENVELOPE & AREA DIAGRAMS

SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG STATE OF NEW YORK

DATE 7.14.16
PROJECT No. 201603
DRAWING BY. C. Kuo F. Ko
CHK BY. M. Kang
SWS No.

EN-102.00

PAGE No. 21 of 29

COMcheck Software Version 4.0.5.0
Interior Lighting Compliance Certificate

Project Information

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

Construction Site:
3466 Webster Street
Bronx, NY 10467

Owner/Agent:

Designer/Contractor:
Michael Kang Architect, P.C.
37-01 Main Street
Suite 3A
Flushing, NY 11354
718-353-2929
michaelkangra@yahoo.com

Additional Efficiency Package

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

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Hotel	21963	0.78	17197
2-Community Facility (Health Care-Clinic)	3314	0.81	2684
		Total Allowed Watts =	19881

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				
Linear Fluorescent 1: F07: Metalux 48 IN. Wrap Light: Other: Electronic:	2	14	30	420
Linear Fluorescent 2: F08: Metalux 24 IN. Wrap Light: Other: Electronic:	2	22	30	660
Compact Fluorescent 1: R16: Lightolier 5" Recessed Light: Spiral 23W: Electronic:	1	230	23	5290
Compact Fluorescent 2: D162: Kichler Freeport Wall Sconce: Spiral 13W: Electronic:	2	47	26	1222
LED 1: D168: Infor-IP65 Waterproof Recessed: Other:	1	49	15	735
2-Community Facility (Health Care-Clinic)				
Linear Fluorescent 2: F08: Metalux 24 IN. Wrap Light: Other: Electronic:	2	5	30	150
Compact Fluorescent 1: R16: Lightolier 5" Recessed Light: Spiral 23W: Electronic:	1	74	23	1702
LED 1: D168: Infor-IP65 Waterproof Recessed: Other:	1	2	15	30
		Total Proposed Watts =		10209

Interior Lighting PASSES: Design 49% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed Interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COM*check* Version 4.0.5.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Name - Title Signature Date

COMcheck Software Version 4.0.5.0
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title:
Project Type: New Construction
Exterior Lighting Zone 2 (Neighborhood business district)

Construction Site:
3466 Webster Street
Bronx, NY 10467

Owner/Agent:

Designer/Contractor:
Michael Kang Architect, P.C.
37-01 Main Street
Suite 3A
Flushing, NY 11354
718-353-2929
michaelkangra@yahoo.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Building Entry (Entry canopy)	155 ft2	0.25	Yes	39
Roof (Plaza area)	2628 ft2	0.14	Yes	368
		Total Tradable Watts (a) =		407
		Total Allowed Watts =		407
		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

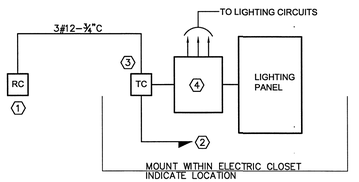
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Building Entry (Entry canopy 155 ft2): Tradable Wattage				
LED 1: D180: Litebox 6" Downlight: Other:	1	4	6	26
Roof (Plaza area 2628 ft2): Tradable Wattage				
LED 2: P188: Bay View Stainless Steel 12IN-H: Other:	1	7	19	133
		Total Tradable Proposed Watts =		159

Exterior Lighting PASSES: Design 84% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COM*check* Version 4.0.5.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date



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 LOCK CONTROL WIRING DIAGRAM
N.T.S.

SUPPORTING DOCUMENTATION REFERENCE:

INTERIOR & EXTERIOR LIGHTING LAYOUTS	EN-106 ~ EN-110
LIGHTING FIXTURE LEGEND	EN-103
LIGHTING CONTROLS NARRATIVES	EN-103
PROGRESS INSPECTION FOR LIGHTING	EN-105

LIGHTING CONTROL NARRATIVES IN COMPLIANCE WITH 2016 NYC ECC:

C405.1 GENERAL (MANDATORY). THIS SECTION COVERS LIGHTING SYSTEM CONTROLS, THE MAXIMUM LIGHTING POWER FOR INTERIOR AND EXTERIOR APPLICATIONS AND ELECTRICAL ENERGY CONSUMPTION.
EXCEPTION: DWELLING UNITS WITHIN COMMERCIAL BUILDINGS SHALL NOT BE REQUIRED TO COMPLY WITH SECTIONS C405.2 THROUGH C405.5, PROVIDED THAT THEY COMPLY WITH SECTION R404.1.

C405.2 LIGHTING CONTROLS (MANDATORY). LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS AS SPECIFIED IN SECTIONS C405.2.1, C405.2.2, C405.2.3, C405.2.4 AND C405.2.5. LIGHTING CONTROLS SHALL BE COMMISSIONED AND COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION C408.3.
EXCEPTION: LIGHTING CONTROLS ARE NOT REQUIRED FOR THE FOLLOWING:
1. AREAS DESIGNATED AS SECURITY OR EMERGENCY AREAS THAT ARE REQUIRED TO BE CONTINUOUSLY LIGHTED.
2. INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS.
3. EMERGENCY EGRESS LIGHTING THAT IS NORMALLY OFF.

C405.2.1 OCCUPANT SENSOR CONTROLS. OCCUPANT SENSOR CONTROLS SHALL BE INSTALLED TO CONTROL LIGHTS IN THE FOLLOWING SPACE TYPES: CLASSROOMS/LECTURE/TRAINING ROOMS, CONFERENCE/MEETING/MULTIPURPOSE ROOMS, COPY/PRINT ROOMS, LOUNGES, EMPLOYEE LUNCH AND BREAK ROOMS, PRIVATE OFFICES, RESTROOMS, STORAGE ROOMS, JANITORIAL CLOSETS, LOCKER ROOMS, OTHER SPACES 300 SQUARE FEET (28 M²) OR LESS THAT ARE ENCLOSED BY FLOOR-TO-CEILING HEIGHT PARTITIONS, WAREHOUSES, OPEN PLAN OFFICES.

C405.2.1.1 OCCUPANT SENSOR CONTROL FUNCTION. OCCUPANT SENSOR CONTROLS IN SPACES OTHER THAN WAREHOUSES SPECIFIED IN SECTION C405.2.1 SHALL COMPLY WITH THE FOLLOWING:
1. AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
2. BE MANUAL ON OR CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER.
   EXCEPTIONS:
   1. FULL AUTOMATIC-ON CONTROLS SHALL BE PERMITTED TO CONTROL LIGHTING IN OPEN PLAN OFFICE, PUBLIC CORRIDORS, STAIRWAYS, RESTROOMS, PRIMARY BUILDING ENTRANCE AREAS AND LOBBIES, AND AREAS WHERE MANUAL-ON OPERATION WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS.
   2. MANUAL ON CONTROLS SHALL BE REQUIRED FOR CLASSROOMS (NOT INCLUDING SHOP CLASSROOMS, LABORATORY CLASSROOMS, AND PRESCHOOL CLASSROOMS), CONFERENCE/ MEETING ROOMS, EMPLOYEE LUNCH AND BREAK ROOMS, AND OFFICES SMALLER THAN 200 SQUARE FEET (18.5 M²) IN AREA. SUCH SENSORS AND CONTROLS SHALL NOT HAVE AN OVERRIDE SWITCH THAT CONVERTS FROM MANUAL-ON TO AUTOMATIC-ON FUNCTIONALITY, AND MAY HAVE A GRACE PERIOD OF UP TO 30 SECONDS TO TURN ON THE LIGHTING AUTOMATICALLY AFTER THE SENSOR HAS TURNED OFF THE LIGHTING IF OCCUPANCY IS DETECTED.
3. SHALL INCORPORATE A MANUAL CONTROL TO ALLOW OCCUPANTS TO TURN LIGHTS OFF.

C405.2.2 TIME-SWITCH CONTROLS. EACH AREA OF THE BUILDING THAT IS NOT PROVIDED WITH OCCUPANT SENSOR CONTROLS COMPLYING WITH SECTION C405.2.1.1 SHALL BE PROVIDED WITH TIME SWITCH CONTROLS COMPLYING WITH COMPLYING WITH SECTION C405.2.2.1.
EXCEPTION: WHERE A MANUAL CONTROL PROVIDES LIGHT REDUCTION IN ACCORDANCE WITH SECTION C405.2.2.2, AUTOMATIC CONTROLS SHALL NOT BE REQUIRED FOR THE FOLLOWING:
1. SLEEPING UNITS.
2. SPACES WHERE PATIENT CARE IS DIRECTLY PROVIDED.
3. SPACES WHERE AN AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY OR SECURITY.
4. LIGHTING INTENDED FOR CONTINUOUS OPERATION.
5. SHOP AND LABORATORY CLASSROOMS.

C405.2.2.1 TIME-SWITCH CONTROL FUNCTION. EACH SPACE PROVIDED WITH TIME-SWITCH CONTROLS SHALL ALSO BE PROVIDED WITH A MANUAL CONTROL FOR LIGHT REDUCTION IN ACCORDANCE WITH SECTION C405.2.2.2. TIME-SWITCH CONTROLS SHALL INCLUDE AN OVERRIDE SWITCHING DEVICE THAT COMPLIES WITH THE FOLLOWING:
1. HAVE A MINIMUM 7-DAY CLOCK.
2. BE CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK.
3. INCORPORATE AN AUTOMATIC HOLIDAY "SHUTOFF" FEATURE, WHICH TURNS OFF ALL CONTROLLED LIGHTING LOADS FOR AT LEAST 24 HOURS AND THEN RESUMES NORMALLY SCHEDULED OPERATIONS.
4. HAVE PROGRAM BACKUP CAPABILITIES, WHICH PREVENT THE LOSS OF PROGRAM AND TIME SETTINGS FOR AT LEAST 10 HOURS, IF POWER IS INTERRUPTED.
5. INCLUDE AN OVERRIDE SWITCH THAT COMPLIES WITH THE FOLLOWING:
   5.1. THE OVERRIDE SWITCH SHALL BE A MANUAL CONTROL.
   5.2. THE OVERRIDE SWITCH, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NOT MORE THAN 2 HOURS.
   5.3. ANY INDIVIDUAL OVERRIDE SWITCH SHALL CONTROL THE LIGHTING FOR AN AREA NOT LARGER THAN 5,000 SQUARE FEET (465 M²).
   EXCEPTIONS:
   1. WITHIN MALLS, ARCADES, AUDITORIUMS, SINGLE-TENANT RETAIL SPACES, INDUSTRIAL FACILITIES AND ARENAS:
      1.1. THE TIME LIMIT SHALL BE PERMITTED TO BE GREATER THAN 2 HOURS, PROVIDED THAT THE OVERRIDE SWITCH IS A CAPTIVE KEY DEVICE.
      1.2. THE AREA CONTROLLED BY THE OVERRIDE SWITCH IS PERMITTED TO BE GREATER THAN 5,000 SQUARE FEET (465 M²), BUT SHALL NOT BE GREATER THAN 20,000 SQUARE FEET (1860 M²).
   2. WHERE PROVIDED WITH MANUAL CONTROL, THE FOLLOWING AREAS ARE NOT REQUIRED TO HAVE LIGHT REDUCTION CONTROL:
      2.1. SPACES THAT HAVE ONLY ONE LUMINAIRE WITH A RATED POWER OF LESS THAN 100 WATTS.
      2.2. SPACES THAT USE LESS THAN 0.6 WATTS PER SQUARE FOOT (6.5 W/M²).
      2.3. CORRIDORS, EQUIPMENT ROOMS, PUBLIC LOBBIES, ELECTRICAL OR MECHANICAL ROOMS.

C405.2.2.2 LIGHT-REDUCTION CONTROLS. SPACES REQUIRED TO HAVE LIGHT-REDUCTION CONTROLS SHALL HAVE A MANUAL CONTROL THAT ALLOWS THE OCCUPANT TO REDUCE THE CONNECTED LIGHTING LOAD IN A REASONABLY UNIFORM ILLUMINATION PATTERN BY AT LEAST 50 PERCENT. LIGHTING REDUCTION SHALL BE ACHIEVED BY ONE OF THE FOLLOWING OR ANOTHER APPROVED METHOD:
1. CONTROLLING ALL LAMPS OR LUMINAIRES.
2. DUAL SWITCHING OF ALTERNATE ROWS OF LUMINAIRES, ALTERNATE LUMINAIRES OR ALTERNATE LAMPS.
3. SWITCHING THE MIDDLE LAMP LUMINAIRES INDEPENDENTLY OF THE OUTER LAMPS.
4. SWITCHING EACH LUMINAIRE OR EACH LAMP.
EXCEPTION: LIGHT REDUCTION CONTROLS ARE NOT REQUIRED IN DAYLIGHT ZONES WITH DAYLIGHT RESPONSIVE CONTROLS COMPLYING WITH SECTION C405.2.3.

C405.2.2.3 MANUAL CONTROLS. MANUAL CONTROLS FOR LIGHTS SHALL COMPLY WITH THE FOLLOWING:
1. SHALL BE READILY ACCESSIBLE TO OCCUPANTS.
2. SHALL BE LOCATED WHERE THE CONTROLLED LIGHTS ARE VISIBLE, OR SHALL IDENTIFY THE AREA SERVED BY THE LIGHT AND INDICATE THEIR STATUS.

C405.2.3 DAYLIGHT-RESPONSIVE CONTROLS. DAYLIGHT-RESPONSIVE CONTROLS COMPLYING WITH SECTION C405.2.3.1 SHALL BE PROVIDED TO CONTROL THE ELECTRIC LIGHTS WITHIN DAYLIGHT ZONES IN THE FOLLOWING SPACES:
1. SPACES WITH A TOTAL OF MORE THAN 150 WATTS OF GENERAL LIGHTING WITHIN SIDELIGHT DAYLIGHT ZONES COMPLYING WITH SECTION C405.2.3.2. GENERAL LIGHTING DOES NOT INCLUDE LIGHTING THAT IS REQUIRED TO HAVE SPECIFIC APPLICATION CONTROL IN ACCORDANCE WITH SECTION C405.2.4.
2. SPACES WITH A TOTAL OF MORE THAN 150 WATTS OF GENERAL LIGHTING WITHIN TOPLIGHT DAYLIGHT ZONES COMPLYING WITH SECTION C405.2.3.3.

EXCEPTIONS: DAYLIGHT RESPONSIVE CONTROLS ARE NOT REQUIRED FOR THE FOLLOWING:
1. SPACES IN HEALTH CARE FACILITIES WHERE PATIENT CARE IS DIRECTLY PROVIDED.
2. DWELLING UNITS AND SLEEPING UNITS.
3. LIGHTING THAT IS REQUIRED TO HAVE SPECIFIC APPLICATION CONTROL IN ACCORDANCE WITH SECTION C405.2.4.
4. SIDELIGHT DAYLIGHT ZONES ON THE FIRST FLOOR ABOVE GRADE IN GROUP A-2 AND GROUP M OCCUPANCIES.

C405.2.3.1 DAYLIGHT-RESPONSIVE CONTROL FUNCTION. WHERE REQUIRED, DAYLIGHT-RESPONSIVE CONTROLS SHALL BE PROVIDED WITHIN EACH SPACE FOR CONTROL OF LIGHTS IN THAT SPACE AND SHALL COMPLY WITH ALL OF THE FOLLOWING:
1. LIGHTS IN TOPLIGHT DAYLIGHT ZONES IN ACCORDANCE WITH SECTION C405.2.3.3 SHALL BE CONTROLLED INDEPENDENTLY OF LIGHTS IN SIDELIGHT DAYLIGHT ZONES IN ACCORDANCE WITH SECTION C405.2.3.2.
2. DAYLIGHT RESPONSIVE CONTROLS WITHIN EACH SPACE SHALL BE CONFIGURED SO THAT THEY CAN BE CALIBRATED FROM WITHIN THAT SPACE BY AUTHORIZED PERSONNEL.
3. CALIBRATION MECHANISMS SHALL BE READILY ACCESSIBLE.
4. WHERE LOCATED IN OFFICES, CLASSROOMS, LABORATORIES AND LIBRARY READING ROOMS DAYLIGHT RESPONSIVE CONTROLS SHALL DIM LIGHTS CONTINUOUSLY FROM FULL LIGHT OUTPUT TO 15 PERCENT OF FULL LIGHT OUTPUT OR LOWER.
5. DAYLIGHT RESPONSIVE CONTROLS SHALL BE CAPABLE OF A COMPLETE SHUTOFF OF ALL CONTROLLED LIGHTS.
6. LIGHTS IN SIDELIGHT DAYLIGHT ZONES IN ACCORDANCE WITH SECTION C405.2.3.2 FACING DIFFERENT CARDINAL ORIENTATIONS (I.E., WITHIN 45 DEGREES (0.79 RAD) OF DUE NORTH, EAST, SOUTH, WEST)SHALL BE CONTROLLED INDEPENDENTLY OF EACH OTHER.
EXCEPTION: UP TO 150 WATTS OF LIGHTING IN EACH SPACE IS PERMITTED TO BE CONTROLLED TOGETHER WITH LIGHTING IN A DAYLIGHT ZONE FACING A DIFFERENT CARDINAL ORIENTATION.

C405.2.3.2 SIDELIGHT DAYLIGHT ZONE. THE SIDELIGHT DAYLIGHT ZONE IS THE FLOOR AREA ADJACENT TO VERTICAL FENESTRATION WHICH COMPLIES WITH ALL OF THE FOLLOWING:
1. WHERE THE FENESTRATION IS LOCATED IN A WALL, THE DAYLIGHT ZONE SHALL EXTEND LATERALLY TO THE NEAREST FULL-LENGTH WALL, OR UP TO 1.0 TIMES THE HEIGHT FROM THE FLOOR TO THE TOP OF THE FENESTRATION, AND LONGITUDINALLY FROM THE EDGE OF THE FENESTRATION TO THE NEAREST FULL-HEIGHT WALL, OR UP TO 2 FEET (610 MM), WHICHEVER IS LESS, AS INDICATED IN FIGURE C405.2.3.2(1).
2. WHERE THE FENESTRATION IS LOCATED IN A ROOFTOP MONITOR, THE DAYLIGHT ZONE SHALL EXTEND LATERALLY TO THE NEAREST OBSTRUCTION THAT IS TALLER THAN 0.7 TIMES THE CEILING HEIGHT, OR UP TO 1.0 TIMES THE HEIGHT FROM THE FLOOR TO THE BOTTOM OF THE FENESTRATION, WHICHEVER IS LESS, AND LONGITUDINALLY FROM THE EDGE OF THE FENESTRATION TO THE NEAREST OBSTRUCTION THAT IS TALLER THAN 07. TIMES THE CEILING HEIGHT, OR UP TO 0.25 TIMES THE HEIGHT FROM THE FLOOR TO THE BOTTOM OF THE FENESTRATION, WHICHEVER IS LESS, AS INDICATED IN FIGURES C405.2.3.2(2) AND C405.2.3.2(3).
3. THE AREA OF THE FENESTRATION IS NOT LESS THAT 24 SQUARE FEET (2.23 M²).
4. THE DISTANCE FROM THE FENESTRATION TO ANY BUILDING OR GEOLOGICAL FORMATION WHICH WOULD BLOCK ACCESS TO DAYLIGHT IS GREATER THAN THE HEIGHT FROM THE BOTTOM OF THE FENESTRATION TO THE TOP OF THE BUILDING OR GEOLOGIC FORMATION.
5. WHERE LOCATED IN EXISTING BUILDINGS, THE VISIBLE TRANSMITTANCE OF THE FENESTRATION IS NOT LESS THAN 0.20.

C.405.2.4 SPECIFIC APPLICATION CONTROLS. SPECIFIC APPLICATION CONTROLS SHALL BE PROVIDED FOR THE FOLLOWING:
1. DISPLAY AND ACCENT LIGHT SHALL BE CONTROLLED BY A DEDICATED CONTROL THAT IS INDEPENDENT OF THE CONTROLS FOR OTHER LIGHTING WITHIN THE ROOM OR SPACE.
2. LIGHTING IN CASES USED FOR DISPLAY CASE PURPOSES SHALL BE CONTROLLED BY A DEDICATED CONTROL THAT IS INDEPENDENT OF THE CONTROLS FOR OTHER LIGHTING WITHIN THE ROOM OR SPACE.
3. HOTEL AND MOTEL SLEEPING UNITS AND GUEST SUITES SHALL HAVE A MASTER CONTROL DEVICE THAT IS CAPABLE OF AUTOMATICALLY SWITCHING OFF ALL INSTALLED LUMINAIRES AND SWITCHED RECEPTACLES WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE ROOM.
   EXCEPTION: LIGHTING AND SWITCHED RECEPTACLES CONTROLLED BY CAPTIVE KEY SYSTEMS.
4. SUPPLEMENTAL TASK LIGHTING , INCLUDING PERMANENTLY INSTALLED UNDER-SHELF OR UNDER-CABINET LIGHTING, SHALL HAVE A CONTROL DEVICE INTEGRAL TO THE LUMINAIRES OR BE CONTROLLED BY A WALL-MOUNTED CONTROL DEVICE PROVIDED THAT THE CONTROL DEVICE IS READILY ACCESSIBLE.
5. LIGHTING FOR NONVISUAL APPLICATIONS, SUCH AS PLANT GROWTH AND FOOD WARMING, SHALL BE CONTROLLED BY A DEDICATED CONTROL THAT IS INDEPENDENT OF THE CONTROLS FOR OTHER LIGHTING WITHIN THE ROOM OR SPACE.
6. LIGHTING EQUIPMENT THAT IS FOR SALE OR FOR DEMONSTRATIONS IN LIGHTING EDUCATION SHALL BE CONTROLLED BY A DEDICATED CONTROL THAT IS INDEPENDENT OF THE CONTROLS FOR OTHER LIGHTING WITHIN THE ROOM OR SPACE.

C405.2.5 EXTERIOR LIGHTING CONTROLS. LIGHTING FOR EXTERIOR APPLICATIONS OTHER THAN EMERGENCY LIGHTING THAT IS INTENDED TO BE AUTOMATICALLY OFF DURING BUILDING OPERATION, LIGHTING SPECIFICALLY REQUIRED TO MEET HEALTH AND LIFE SAFETY REQUIREMENTS OR DECORATIVE GAS LIGHTING SYSTEMS SHALL:
1. BE PROVIDED WITH A CONTROL THAT AUTOMATICALLY TURNS OFF THE LIGHTING AS A FUNCTION OF AVAILABLE DAYLIGHT.
2. WHERE LIGHTING THE BUILDING FACADE OR LANDSCAPE, THE LIGHTING SHALL HAVE CONTROLS THAT AUTOMATICALLY SHUT OFF THE LIGHTING AS A FUNCTION OF DAWN/ DUSK AND A SET OPENING AND CLOSING TIME.
3. WHERE NOT COVERED IN ITEM 2, THE LIGHTING SHALL HAVE CONTROLS CONFIGURED TO AUTOMATICALLY REDUCE THE CONNECTED LIGHTING POWER BY NOT LESS THAN 30 PERCENT FROM NOT LATER THAN MIDNIGHT TO 6 A.M., FROM ONE HOUR AFTER BUSINESS CLOSING TO ONE HOUR BEFORE BUSINESS OPENING OR DURING ANY PERIOD WHEN ACTIVITY HAS NOT BEEN DETECTED FOR A TIME OF LONGER THAN 15 MINUTES.

ALL TIME SWITCHES SHALL BE ABLE TO RETAIN PROGRAMMING AND THE TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST 10 HOURS
EXCEPTION: LIGHTING FOR COVERED VEHICLE ENTRANCES OR EXITS FROM BUILDING OR PARKING STRUCTURES WHERE REQUIRED FOR SAFETY, SECURITY OR EYE ADAPTATION.

C405.3 EXIT SIGNS (MANDATORY). INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT BE MORE THAN 5 WATTS PER SIDE.

C405.4 INTERIOR LIGHTING POWER REQUIREMENTS (PRESCRIPTIVE). A BUILDING COMPLIES WITH THIS SECTION WHERE ITS TOTAL CONNECTED LIGHTING POWER CALCULATED UNDER SECTION C405.4.1 IS NOT GREATER THAN THE INTERIOR LIGHTING POWER CALCULATED UNDER SECTION C405.4.2.

C405.5 EXTERIOR LIGHTING (MANDATORY). WHERE THE POWER FOR EXTERIOR LIGHTING IS SUPPLIED THROUGH THE ENERGY SERVICE TO THE BUILDING. ALL EXTERIOR LIGHTING SHALL COMPLY WITH SECTION C405.5.1
EXCEPTION: WHERE APPROVED BECAUSE OF HISTORICAL, SAFETY, SIGNAGE OR EMERGENCY CONSIDERATIONS.

C405.6 ELECTRICAL ENERGY CONSUMPTION (MANDATORY). EACH DWELLING UNIT LOCATED IN A GROUP R-2 BUILDING SHALL HAVE A SEPARATE ELECTRICAL METER.

C405.9.1 ELEVATOR CABS. FOR THE LUMINAIRES IN EACH ELEVATOR CAB, NOT INCLUDING SIGNALS AND DISPLAYS, THE SUM OF THE LUMENS DIVIDED BY THE SUM OF THE WATTS SHALL BE NOT LESS THAN 35 LUMENS PER WATT. VENTILATION FANS IN ELEVATORS THAT DO NOT HAVE THEIR OWN AIR-CONDITIONING SYSTEM SHALL NOT CONSUME MORE THAN 0.33 WATTS/CFM AT THE MAXIMUM RATED SPEED OF THE FAN. CONTROLS SHALL BE PROVIDED THAT WILL DE-ENERGIZE VENTILATION FANS AND LIGHTING SYSTEMS WHEN THE ELEVATOR IS STOPPED, UNOCCUPIED AND WITH ITS DOORS CLOSED FOR OVER 15 MINUTES.

ROOM TYPE	CONTROL STRATEGY
CORRIDOR/ HOTEL LOBBY & RECEPTION	LOCAL SWITCHES w/ LIGHT REDUCTION CONTROLS TO REDUCE THE CONNECTED LIGHTING LOAD IN A REASONABLY UNIFORM ILLUMINATION PATTERN BY AT LEAST 50% , 25% OF FIXTURES TO REMAIN ENERGIZED AT ALL TIMES WITH EMERGENCY BATTERY PACK (I.E. EMERGENCY FIXTURES TO REMAIN ON).
STAIRS	ASTRONOMICAL TIMECLOCK WITH OCCUPANCY SENSOR TO DE-ENERGIZE 50% OF FIXTURES. 50% OF FIXTURES REMAIN ENERGIZED AT ALL TIMES WITH EMERGENCY BATTERY PACK
H/C RESTROOM, OFFICE, PANTRY, EMPLOYEE LAUNDRY, COMPACTOR, METER, STORAGE, BICYCLE STORAGE, RPZ, ELEVATOR CONTROL ROOM & MECHANICAL ROOM	LOCAL SWITCHES w/ OCCUPANCY SENSOR AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE
BREAKFAST AREA	LOCAL SWITCHES
COMMUNITY FACILITY (HEALTH CLINIC)	LOCAL SWITCHES. SWITCH w/ LIGHT REDUCTION CONTROLS FOR LIGHT FIXTURES WITHIN DAYLIGHT ZONE TO REDUCE THE CONNECTED LIGHTING LOAD IN A REASONABLY UNIFORM ILLUMINATION PATTERN BY AT LEAST 50%
EXERCISE	LOCAL SWITCH WITH OCCUPANCY SENSOR AUTOMATIC TURN ON 50% OF FIXTURES AND TURN OFF THESE FIXTURES WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE. 50% OF FIXTURES TO BE CONTROLLED BY LOCAL SWITCH AND REMAIN ON DURING THE OPERATION HOURS OF THE SPACE
GUESTROOMS	MASTER SWITCH BY ENTRY OF EACH DWELLING UNIT THAT CONTROLS ALL PERMANENTLY WIRED LUMINARIES AND SWITCHED RECEPTACLES
ELEVATOR CABS	SLEEP MODE CONTROL. LIGHTS AND FAN ARE SHUT DOWN WHEN THERE'S NO DEMAND. THE SYSTEM SEAMLESSLY SPRINGS BACK TO LIFE WITH THE PRESS OF A CALL BUTTON
ENTRY CANOPY, ROOF AREA	LOCAL SWITCHES WITH OUTDOOR DAYLIGHT SENSOR THAT AUTOMATICALLY TURNS OFF THE LIGHTING WHEN DAYLIGHT IS AVAILABLE

INTERIOR LIGHTING POWER ALLOWANCES:
2016 NYC ECC TABLE C405.4.2(1)

AREA TYPE	FLOOR AREA	ALLOWED WATTS/ FT² AS PER C405.5.2	ALLOWED WATTS	PROPOSED WATTS
HOTEL (RESIDENTIAL)	21963 FT²	0.78	17197	420 + 660 + 5313 + 1222 + 735 = 8350
COMMUNITY FACILITY (HEALTH CARE CLINIC)	3314 FT²	0.81	2684	150 + 1702 + 30 = 1882
TOTAL			19881	10232

EXTERIOR LIGHTING POWER ALLOWANCES:
2016 NYC ECC TABLE C405.5.2(2)

AREA TYPE	FLOOR AREA	ALLOWED WATTS/ FT²	ALLOWED WATTS	TOTAL SUPPLEMENTAL WATTS	PROPOSED WATTS
ENTRY CANOPY	155 FT²	0.25	39 (TRADABLE)	600	26
ROOF AREA	2628 FT²	0.14	368 (TRADABLE)		133
TOTAL			407 (TRADABLE)		159

INTERIOR LIGHTING SCHEDULE

SYMBOL	FIXTURE TYPE/ MANUFACTURER	MODEL	LAMP WATTAGES	LOCATIONS	COMMMENTS	QUANTITIES	TOTAL WATTAGES
F07	METALUX 48 IN. FLUORESCENT WRAP LIGHT	WS432	15 / BULB 30 / LAMP	LAUNDRY, STORAGE, ATS/ CABLE, COMPACTOR(CELLAR), METER ROOMS, BICYCLE ROOM, MECHANICAL ROOM, ELEVATOR MACHINE ROOM		14	420
F08	METALUX 24 IN. FLUORESCENT WRAP LIGHT	WN217	15 / BULB 30 / LAMP	STAIRS	WITH 90MIN. BATTERY PACK AT EGRESS	16	810
F08				COMPACTOR(1ST TO 6TH FL.), RPZ ROOM		11	
R16	LIGHTOLIER 5" RECESSED LIGHT	STYLE # 12593	23	LOBBY, RECEPTION, CORRIDORS, EXERCISE, EMPLOYEE, OFFICE, PANTRY, BREAKFAST AREA, COMMUNITY FACILITY & GUESTROOMS	ELECTRONIC BALLAST	304	6992
D168 W	INFOR - IP65 WATERPROOF RECESSED LIGHT	IF-IDL03006X	15	H/C RESTROOM & BATHROOM	ELECTRONIC BALLAST	51	765
D162	KICHLER LIGHTING FREEPORT WALL SCONCE	10687	13 / BULB 26 / LAMP	BATHROOM	ELECTRONIC BALLAST	47	1222
	EXIT LIGHT						
$	LIGHT SWITCH						
$M	MASTER SWITCH						
$3	3-WAY SWITCH						

EXTERIOR LIGHTING SCHEDULE

SYMBOL	FIXTURE TYPE/ MANUFACTURER	MODEL	LAMP WATTAGES	LOCATIONS	COMMMENTS	QUANTITIES	TOTAL WATTAGES
D180	LITEBOX - 6" LED DOWNLIGHT MODULE	LB6LEDA	6.5	ENTRY CANOPY	ELECTRONIC BALLAST	4	26
P188	BAY VIEW STAINLESS STEEL 12-INCH-H OUTDOOR LIGHT	EU6D136	19	ROOF AREA	ELECTRONIC BALLAST	7	133

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 2275
JUN 0 ' 2017
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COMcheck Software Version 4.0.5.0

Inspection Checklist

Energy Code: 2016 New York City Energy Conservation Code

Requirements: 100.0% were addressed directly in the *COMcheck* software

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

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [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.
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.
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.
C402.4.1 [PR10][1]	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.4.1 [PR11][1]	The skylight area <= 3 percent of the gross roof area.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

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

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C402.4.2 [PR14][1]	In enclosed spaces > 2,500 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.
C405.6, C405.6.1 [PR16][1]	Group R-2 dwelling units have separate electrical meters. Each covered tenant space in a new building is equipped with a separate meter or sub-meter to measure the electrical consumption of such space when let or sublet. Refer to Section 28-311.2 of the Administrative Code of the city of New York.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Requirement does not apply.
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.
C402.1 [PR17][1]	PTAC/PTHP penetration through thermal envelope - When penetrations from mechanical equipment listed in Table C403.2.3(3) exceeds 1 percent of the opeque above-grade wall area, the penetration area is represented as an envelope wall assembly of similar type having size equal to penetration area and proposed U-0.5.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

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

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO2][1]	Below-grade wall insulation installed per manufacturer's instructions.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.2.1 [FO6][1]	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.1.4 [FO1][1]	Below-grade wall insulation R-value.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*

Additional Comments/Assumptions:

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

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12][1]	Fenestration products rated in accordance with NFRC.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.1.3 [FR13][1]	Fenestration products are certified as to performance labels or certificates provided.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.4.3 [FR10][1]	Vertical fenestration SHGC value.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.4.3, C402.4.3.4 [FR8][1]	Vertical fenestration U-Factor.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.4.4 [FR14][1]	U-factor of opaque doors associated with the building thermal envelope meets requirements.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.5.1, 2.2 [FR20][1]	The building envelope contains a continuous air barrier that is sealed in an approved manner and average assembly air leakage <= 0.04 cfm/ft2. Air barrier penetrations are sealed in an approved manner.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.2, C402.5.4 [FR18][1]	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.7 [FR17][1]	Vestibules are installed on all building entrances. Doors have self-closing devices.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

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

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

Additional Comments/Assumptions:

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

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15][1]	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1 [EL18][1]	Occupancy sensors installed in required spaces.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1, C405.2.2.3 [EL23][1]	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.
C405.2.2.1 [EL22][1]	Automatic controls to shut off all building lighting installed in all buildings.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Lighting controlled by occupancy sensors.
C405.2.3 [EL16][1]	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.
C405.2.3, C405.2.3.1, C405.2.3.2 [EL20][1]	Primary sidelighted areas are equipped with required lighting controls.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.3, C405.2.3.1, C405.2.3.3 [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 [EL4][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.4 [EL8][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.5 [EL25][1,2]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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

Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3][1]	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.1 [IN10][2]	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.2 [IN7][1]	Above-grade wall insulation installed per manufacturer's instructions.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.2.1 [IN14][1]	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.2.1 [IN17][3]	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.2.3 [IN6][1]	Above-grade wall insulation R-value.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.2.6 [IN18][3]	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	**Exception:** Requirement does not apply.
C402.4.2.2 [IN2][1]	Roof R-value. For some ceiling systems, verification may need to occur during Framing Inspection.	☐Complies ☐Does Not ☐Not Observable ☑Not Applicable	*See the Envelope Assemblies table for values.*
C402.5.1.1 [IN1][1]	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.1.3 [IN20][1]	Air barrier testing: New buildings comply with following requirements: 1. New buildings 25,000 ft2 and greater, but less than 50,000 ft2, and less than or equal to 75 feet in height show compliance through testing in accordance with ASTM E 779 and department rules. 2. New buildings 50,000 ft2 and greater, will test or inspect each type of unique air barrier joint or seam in the building envelope for continuity and defects, as per an Air Barrier Continuity Plan developed by a registered design professional and department rules. 3. Rules governing air barrier testing promulgated by the department	☑Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 275
JUN 0 7 2017
THEODORE FINLEY

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

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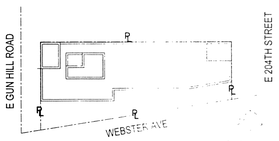

KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT

3466 WEBSTER AVENUE

BRONX, NY

ENERGY ANALYSIS
INSPECTION CHECKLIST

SEAL & SIGNATURE

DATE 7/14/16
PROJECT No 201603
DRAWING BY C. Kuo F. Ko
CHK BY M. Kang
DWG No

EN-104.00

PAGE No 23 of 29

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F127]³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☒Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.3 [F151]³	Where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening are located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms are sealed and insulated.	☐Complies ☐Does Not ☐Not Observable ☒Not Applicable	**Exception:** Requirement is not applicable.
C402.5.6 [F137]³	Weatherseals installed on all loading dock cargo doors.	☐Complies ☐Does Not ☐Not Observable ☒Not Applicable	**Exception:** Requirement does not apply.
C402.5.8 [F126]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.
C405.4.1 [F118]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.*
C405.5.1 [F119]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.*
C409.2.5.1 [F116]³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☒Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [F133]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.
C402.2.7 [F100]³	Wood-burning fireplaces have tight fitting flue dampers and outdoor air for combustion.	☐Complies ☐Does Not ☐Not Observable ☒Not Applicable	**Exception:** Requirement is not applicable.

Additional Comments/Assumptions:

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

Project Title: Report date: 03/16/17

Data filename: F:\ALL-MKA Project CAD\Catherine\(201603) 3466 Webster ave\Energy\3466 Webster St_2017.03.16.cck

TABLE II - PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE COMMERCIAL BUILDINGS (1 RCNY §5000-01 CHAPTER 5000 NYCECC)

	INSPECTION/ TEST	FREQUENCY (MINIMUM)	REFERRENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CRITATION	INSPECTION REQUIRED YES	NO
IIA	**ENVELOPE INSPECTIONS**				**YES**	**NO**
IIA1	**PROTECTION OF EXPOSED 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	C303.2.1; ASHRAE 90.1 - 5.8.1.7		●
IIA2	**INSULATION PLACEMENT AND R-VALUES:** INSTALLED 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	C303.1, C303.1.1, C303.1.2, C402.1, C402.2; ASHRAE 90.1 - 5.5, 5.6 OR 11; 5.8.1	●	
IIA3	**FENESTRATION U-FACTOR AND PRODUCT RATINGS:** U-FACTORS, SHGC AND VT VALUES OF INSTALLED FENESTRATION SHALL BE VISUALLY INSPECTED FOR CONFORMANCE WITH THE U-FACTORS, SHGC AND VT VALUES IDENTIFIED IN THE CONSTRUCTION DRAWINGS BY VERIFYING THE MANUFACTURER'S NFRC LABELS OR, WHERE NOT LABELED, USING THE RATINGS IN ECC TABLES C303.1.3(1), (2) AND (3).	AS REQUIRED DURING INSTALLATION	APPROVED CONSTRUCTION DRAWINGS; NFRC 100, NFRC 200	C303.1, C303.1.3, C402.3; ASHRAE 90.1 - 5.5; 5.6 OR 11; 5.8.2	●	
IIA4	FENESTRATION AIR LEAKAGE: WINDOWS, SKYLIGHTS AND SLIDING OR SWINGING DOOR ASSEMBLIES, EXCEPT SIT-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/A400 ASTM E283; ANSI/DASMA 105	C402.3; ASHRAE 90.1 - 5.4.3.2	●	
IIA5	**FENESTRATION AREAS:** DIMENSIONS OF WINDOWS, DOORS AND SKYLIGHTS SHALL BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	C402.3; ASHRAE 90.1 - 5.5.4.2, 5.6 OR 11	●	
IIA6	**AIR SEALING AND INSULATION - VISUAL INSPECTION:** 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 STANDARD, IN ACCORDANCE WITH THE STANDARD(S) CITED IN THE APPROVED PLANS	AS REQUIRED DURING ENVELOPE CONSTRUCTION	APPROVED CONSTRUCTION DOCUMENTS; ASTM E2178; ASTM E2357; ASTM E1677, ASTM E779, ASTM E283	C402.4; ASHRAE 90.1 - 5.4.3.1	●	
IIA7	**AIR SEALING AND INSULATION - TESTING:** NEW BUILDING OF A CERTAIN SIZE MUST COMPLY WITH THE FOLLOWING REQUIREMENTS. NEW BUILDINGS 25,000 TO 50,000 S.F., AND LESS THAN OR EQUAL TO 75 FT IN HEIGHT MUST SHOW COMPLIANCE THROUGH TESTING IN ACCORDANCE WITH ASTM E 799 AT 75 PA AND NOT EXCEED 0.4 CFM/FT². NEW BUILDINGS 50,000 S.F. AND GREATER, SHALL TEST OR INSPECT EACH TYPE OF UNIQUE AIR BARRIER JOINT OR SEAM IN THE BUILDING ENVELOPE FOR CONTINUITY AND DEFECTS, AS PER AN AIR BARRIER CONTINUITY PLAN DEVELOPED BY A REGISTERED DESIGN PROFESSIONAL AND DEPARTMENT RULES. RULES GOVERNING AIR BARRIER TESTING PROMULGATED BY THE DEPARTMENT.	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS, ASTM E 779	C402.5.1.3		●
IIA8	**LOADING DOCK WEATHERSEALS:** WEATHERSEALS AT LOADING DOCKS SHALL BE VISUALLY VERIFIED.	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	C402.4.6; ASHRAE 90.1 - 5.4.3.3		●
IIA9	**VESTIBULES**: REQUIRED ENTRANCE VESTIBULES SHALL BE VISUALLY INSPECTED FOR PROPER OPERATION.	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	C402.4.7; ASHRAE 90.1 - 5.4.3.4		●
IIC	**ELECTRICAL POWER AND LIGHTING SYSTEMS**					
IIC1	**ELECTRICAL ENERGY CONSUMPTION:** THE PRESENCE AND OPERATION OF INDIVIDUAL METERS OR OTHER MEANS OF MONITORING INDIVIDUAL APARTMENTS SHALL BE VERIFIED BY VISUAL INSPECTION FOR ALL APARTMENTS AND WHERE REQUIRED IN A COVERED TENANT SPACE	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	C405.7	●	
IIC2	**LIGHTING IN DWELLING UNITS:** LAMPS IN PERMANENTLY INSTALLED LGHTING FIXTURES SHALL BE VISUALLY INSPECTED TO VERIFY COMPLIANCE WITH HIGH-EFFICACY REQUIREMENTS.	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	C405.1; ASHRAE 90.1 - 9.1.1	●	
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	C405.5, C406.3; ASHRAE 90.1 - 9.1, 9.2, 9.5, 9.6; IRCNY §101-07(c)(3)(v)(C)4	●	
IIC4	**EXTERIOR LIGHTING POWER:** 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	C405.6; ASHRAE 90.1 - 9.4.3; IRCNY §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 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	C405.2; ASHRAE 90.1 - 9.4.1 (AS MODIFIED BY SECTION ECC A102)	●	
IIC6	**ELECTRIC MOTORS (INCLUDING BUT NOT LIMITED TO FAN MOTORS):** WHERE REQUIRED BY THE CONSTRUCTION DOCUMENTS FOR ENERGY CODE COMPLIANCE, MOTOR LISTING OR LABELS SHALL BE VISUALLY INSPECTED TO VERIFY THAT THEY COMPLY WITH THE RESPECTIVE ENERGY REQUIREMENTS IN THE CONSTRUCTION DOCUMENTS.	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	C402.3; ASRAE 90.1 - 5.5.4, 5.6 OR 11	●	

TABLE II - PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE COMMERCIAL BUILDINGS (1 RCNY §5000-01 CHAPTER 5000 NYCECC)

	INSPECTION/ TEST	FREQUENCY (MINIMUM)	REFERRENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CRITATION	INSPECTION REQUIRED YES	NO
IIB	**MECHANICAL AND SERVICE WATER HEATING INSPECTIONS**				**YES**	**NO**
IIB1	FIREPLACES: PROVISION OF COMBUSTION AIR AND TIGHT-FITTING FIREPLACE DOORS SHALL BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS; ANSI Z21.60 (SEE ALSO MC 904), ANSI Z21.50	C402.2.9; BC 2111; MC CHAPTERS 7, 8, 9; FGC CHAPTER 6		●
IIB2	SHUTOFF DAMPERS: DAMPERS FOR STAIR AND ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AND EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE VISUALLY INSPECTED TO VERIFY THAT SUCH DAMPERS, EXCEPT WHERE PERMITTED TO BE GRAVITY DAMPERS, COMPLY WITH APPROVED CONSTRUCTION DRAWINGS. MANUFACTURER'S LITERATURE SHALL BE REVIEWED TO VERIFY THAT THE PRODUCT HAS BEEN TESTED AND FOUND TO MEET THE STANDARD.	AS REQUIRED DURING INSTALLATION	APPROVED CONSTRUCTION DOCUMENTS; AMCA 500D	C403.2.4.4; ASHRAE 90.1 – 6.4.3.4	●	
IIB3	HVAC AND SERVICE WATER HEATING EQUIPMENT: EQUIPMENT SIZING, EFFICIENCIES AND OTHER PERFORMANCE FACTORS OF ALL MAJOR EQUIPMENT UNITS, AS DETERMINED BY THE APPLICANT OF RECORD, AND NO LESS THAN 15% OF MINOR EQUIPMENT UNITS, SHALL BE VERIFIED BY VISUAL INSPECTION AND, WHERE NECESSARY, REVIEW OF MANUFACTURER'S DATA. POOL HEATERS AND COVERS SHALL BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL PLUMBING AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	C403.2, C404.2, C404.7, C406.2; ASHRAE 90.1 – 6.3, 6.4.1, 6.4.2, 6.8; 7.4, 7.8	●	
IIB4	HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS: NO LESS THAN 20% OF EACH TYPE OF REQUIRED CONTROLS AND ECONOMIZERS SHALL BE VERIFIED BY VISUAL INSPECTION AND TESTED FOR FUNCTIONALITY AND PROPER OPERATION. SUCH CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO: ☐ THERMOSTATIC ☐ SET POINT OVERLAP RESTRICTION ☐ OFF-HOUR ☐ SHUTOFF DAMPER ☐ SNOW-MELT SYSTEM ☐ DEMAND CONTROL SYSTEMS ☐ OUTDOOR HEATING SYSTEMS ☐ ZONES ☐ ECONOMIZERS ☐ AIR SYSTEMS ☐ VARIABLE AIR VOLUME FAN ☐ SINGLE ZONE COOLING SYSTEMS ☐ HYDRONIC SYSTEMS ☐ HEAT REJECTION EQUIPMENT FAN SPEED ☐ COMPLEX MECHANICAL SYSTEMS SERVING MULTIPLE ZONES • VENTILATION • ENERGY RECOVERY SYSTEMS • HOT GAS BYPASS LIMITATION • TEMPERATURE • SERVICE WATER HEATING • HOT WATER SYSTEM • POOL HEATER AND TIME SWITCHES • EXHAUST HOODS • RADIANT HEATING SYSTEMS. • HVAC CONTROL IN GROUP R-1 SLEEPING ROOMS CONTROLS WITH SEASONALLY DEPENDENT FUNCTIONALITY: CONTROLS WHOSE COMPLETE OPERATION CANNOT BE DEMONSTRATED DUE TO PREVAILING WEATHER CONDITIONS TYPICAL OF THE SEASON DURING WHICH PROGRESS INSPECTIONS WILL BE PERFORMED SHALL BE PERMITTED TO BE SIGNED OFF FOR THE PURPOSE OF A TEMPORARY CERTIFICATE OF OCCUPANCY WITH ONLY A VISUAL INSPECTION, PROVIDED, HOWEVER, THAT THE PROGRESS INSPECTOR SHALL PERFORM A SUPPLEMENTAL INSPECTION WHERE THE CONTROLS ARE VISUALLY INSPECTED AND TESTED FOR FUNCTIONALITY AND PROPER OPERATION DURING THE NEXT IMMEDIATE SEASON THEREAFTER. THE OWNER SHALL PROVIDE FULL ACCESS TO THE PROGRESS INSPECTOR WITHIN TWO WEEKS OF THE PROGRESS INSPECTOR'S REQUEST FOR SUCH ACCESS TO PERFORM THE PROGRESS INSPECTION. FOR SUCH SUPPLEMENTAL INSPECTIONS, THE DEPARTMENT SHALL BE NOTIFIED BY THE APPROVED PROGRESS INSPECTION AGENCY OF ANY UNRESOLVED DEFICIENCIES IN THE INSTALLED WORK WITHIN 180 DAYS OF SUCH SUPPLEMENTAL INSPECTION.	AFTER INSTALLATION AND PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION, EXCEPT THAT FOR CONTROLS WITH SEASONALLY DEPENDENT FUNCTIONALITY, SUCH TESTING SHALL BE PERFORMED BEFORE SIGN-OFF FOR ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING CONTROL SYSTEM NARRATIVES; ASHRAE GUIDELINE 1: THE HVAC COMMISSIONING PROCESS WHERE APPLICABLE	C403.2.4, C403.2.5.1, C403.2.11, C403.3, C403.4, C404.3, C404.6, C404.7; ASHRAE 90.1 – 6.3, 6.4, 6.5, 7.4.4, 7.4.5		●
IIB5	HVAC INSULATION AND SEALING: INSTALLED DUCT AND PIPING INSULATION SHALL BE VISUALLY INSPECTED TO VERIFY PROPER INSULATION PLACEMENT AND VALUES. JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK SHALL BE VISUALLY INSPECTED FOR PROPER SEALING.	AFTER INSTALLATION AND PRIOR TO CLOSING SHAFTS, CEILINGS AND WALLS	APPROVED CONSTRUCTION DOCUMENTS; SMACNA DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE	C403.2.7, C403.2.8, C404.5, MC 603.9; ASHRAE 90.1 – 6.3, 6.4.4, 6.8.2, 6.8.3; 7.4.3	●	
IIB6	DUCT LEAKAGE TESTING: FOR DUCT SYSTEMS DESIGNED TO OPERATE AT STATIC PRESSURES IN EXCESS OF 3 INCHES W.G. (746 PA), REPRESENTATIVE SECTIONS, AS DETERMINED BY THE PROGRESS INSPECTOR, TOTALING AT LEAST 25% OF THE DUCT AREA, PER ECC C403.2.7.1.3, SHALL BE TESTED TO VERIFY THAT ACTUAL AIR LEAKAGE IS BELOW ALLOWABLE AMOUNTS.	AFTER INSTALLATION AND SEALING AND PRIOR TO CLOSING SHAFTS, CEILINGS AND WALLS	APPROVED CONSTRUCTION DOCUMENTS; SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL	C403.2.7.1.3; ASHRAE 90.1 – 6.4.4.2.2		●
IID	OTHER					
IID1	MAINTENANCE INFORMATION: MAINTENANCE MANUALS FOR MECHANICAL, SERVICE HOT WATER AND ELECTRICAL EQUIPMENT AND SYSTEMS REQUIRING 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 OR SYSTEMS SHALL BE INSPECTED FOR ACCURACY AND COMPLETENESS.	PRIOR TO SIGN-OFF OR ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING ELECTRICAL DRAWINGS WHERE APPLICABLE; ASHRAE GUIDELINE 4: PREPARATION OF OPERATING AND MAINTENANCE DOCUMENTATION FOR BUILDING SYSTEMS	C303.3, C408.2.5.2; ASHRAE 90.1 – 4.2.2.3, 6.7.2.2, 8.7.2, 9.7.2.2	●	

REVIEWED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER BIA NO. 279

JUN 0 7 2017

THEODORE FINLEY

TO THE BEST OF MY KNOWLEDGE, THE PROPOSED BUILDING IN COMPLIANCE WITH 2016 NEW YORK CITY ENERGY CONSERVATION CODE USING CHAPTER C4 (COMMERCIAL ENERGY EFFICIENCY)

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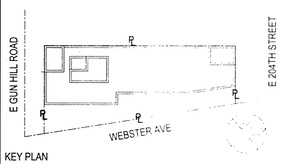


KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT

3466 WEBSTER AVENUE

BRONX. NY

ENERGY ANALYSIS INSPECTION CHECKLIST & PROGRESS INSPECTIONS

SEAL & SIGNATURE

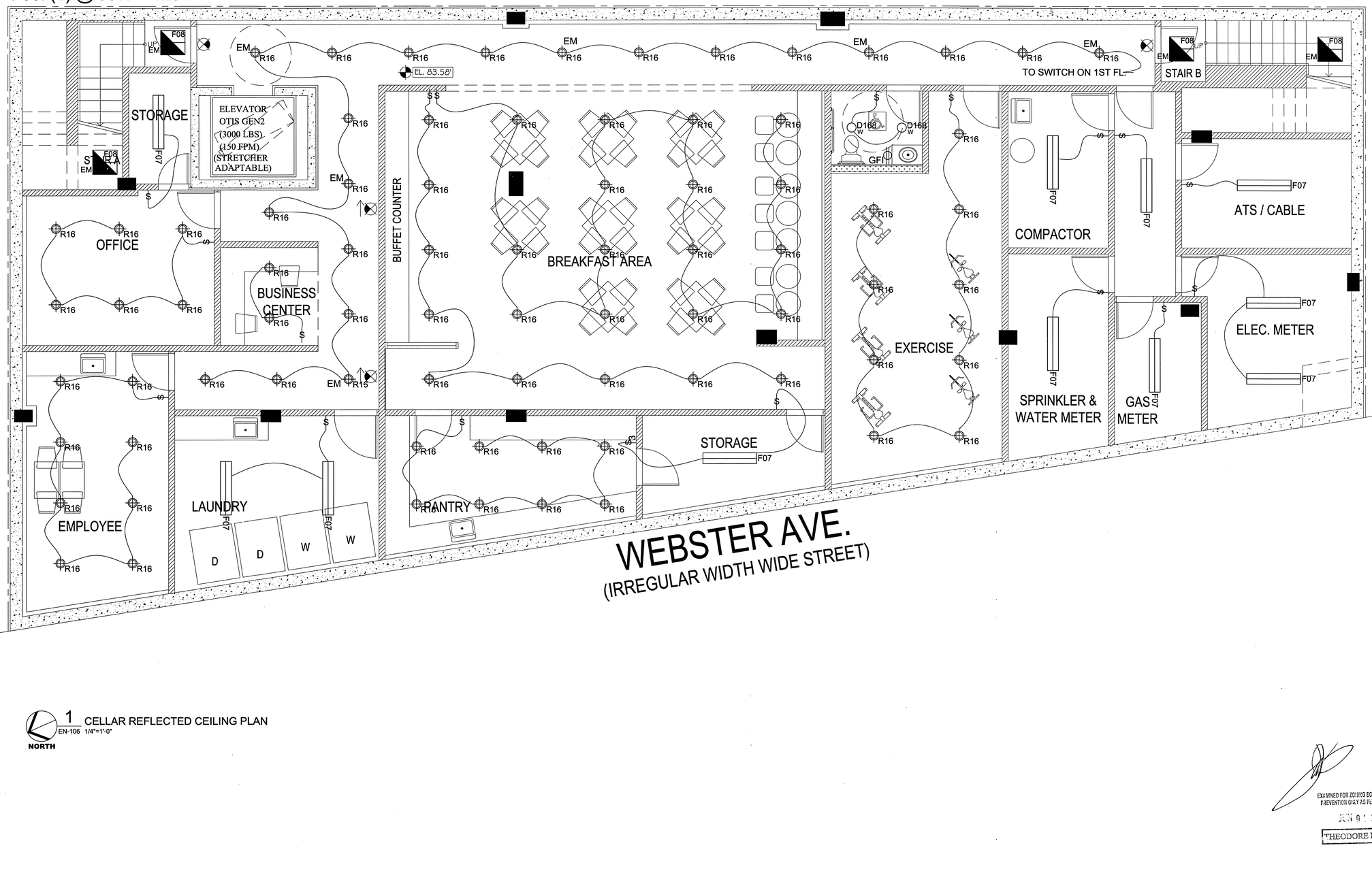
REGISTERED ARCHITECT MICHAEL KANG 026246 STATE OF NEW YORK

DATE: 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo , F. Ko
CHK BY: M. Kang
DWG No:

EN-105.00

PAGE No: 24 of 29

D168: (2) @ 15W = 30W
R16: (77) @ 23W = 1771W
F07: (11) @ 30W = 330W
F08: (4) @ 30W = 120W



1 CELLAR REFLECTED CEILING PLAN
EN-106 1/4"=1'-0"
NORTH

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 275
JUN 01 2017
THEODORE FINLEY

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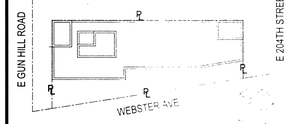


KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

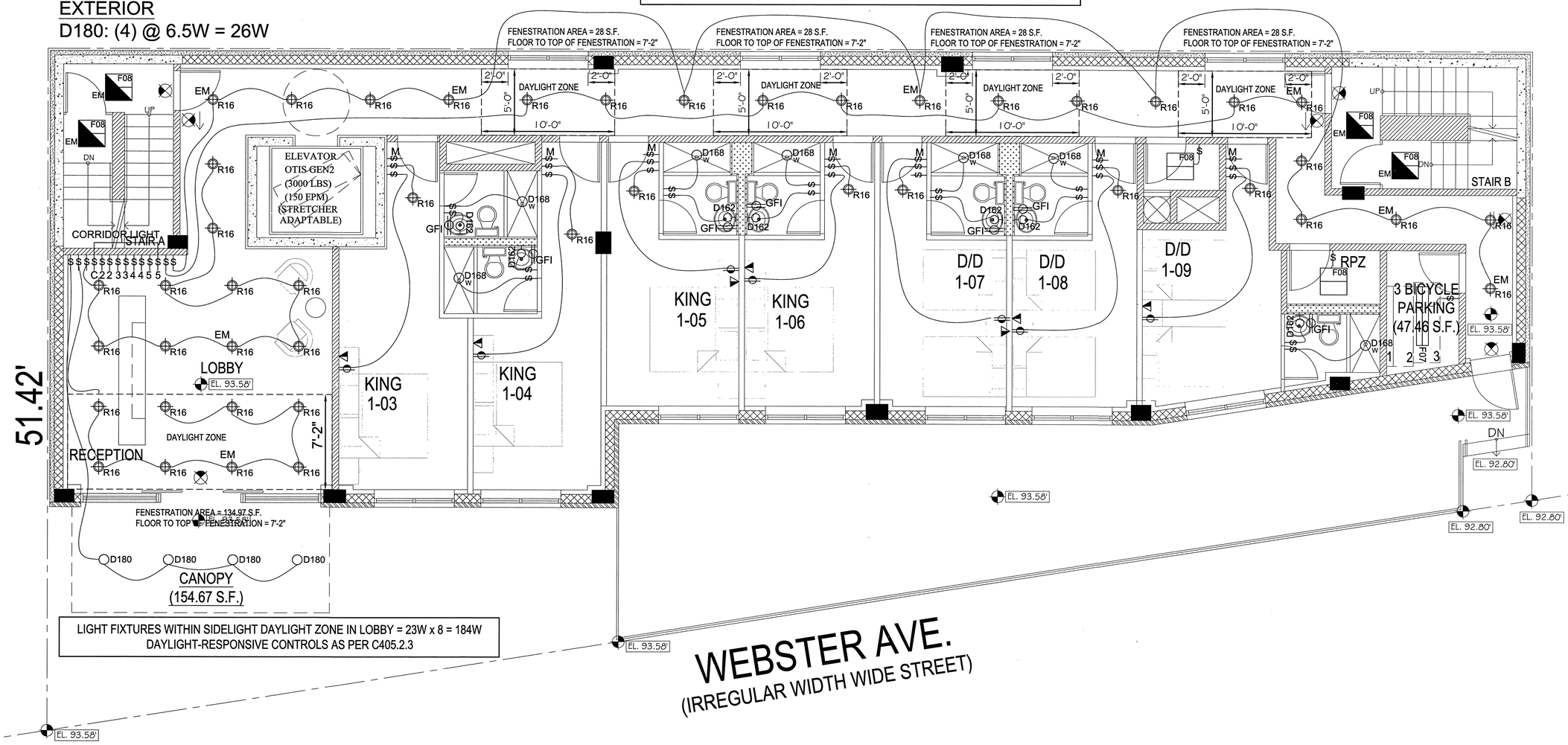
CELLAR REFLECTED CEILING PLAN

SEAL & SIGNATURE
REGISTERED ARCHITECT MICHAEL KANG 024749 STATE OF NEW YORK

DATE 7/14/16
PROJECT No. 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No.
EN-106.00
PAGE No. 25 of 29

D162: (7) @ 26W = 182W
D168: (7) @ 15W = 105W
R16: (45) @ 23W = 1035W
F07: (1) @ 30W = 30W
F08: (6) @ 30W = 180W

EXTERIOR
D180: (4) @ 6.5W = 26W



1 EN-107 1/4"=1'-0"
1ST FL. REFLECTED CEILING PLAN
NORTH

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 2775
JUN 1 2017
THEODORE FINLEY

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Scan Code ESHS1810778

KEY PLAN
E GUN HILL ROAD
E 204TH STREET
WEBSTER AVE

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX NY

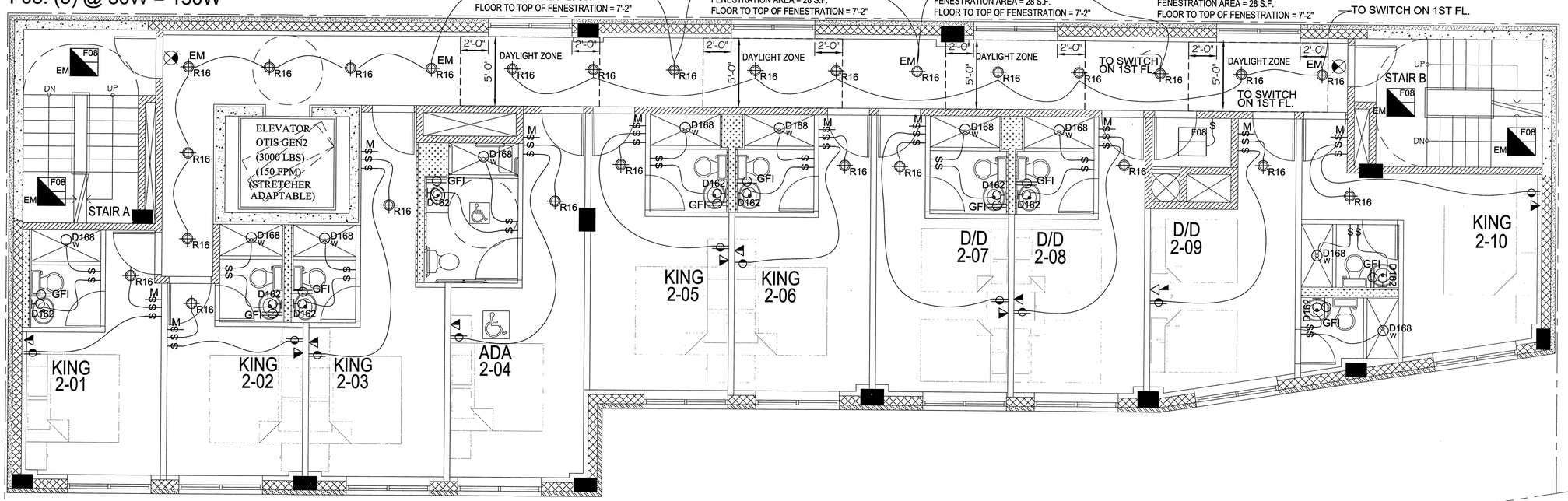
1ST FLOOR REFLECTED CEILING PLAN

SEAL & SIGNATURE
REGISTERED ARCHITECT MICHAEL KANG 024519 STATE OF NEW YORK

DATE 7.14.16
PROJECT No. 201603
DRAWING BY. C. Kuo F. Ko
CHK. BY. M. Kang
DWG No.
EN-107.00
PAGE No. 26 of 29

LIGHTING PER FLOOR
D162: (10) @ 26W = 260W
D168: (10) @ 15W = 150W
R16: (27) @ 23W = 621W
F08: (5) @ 30W = 150W

LIGHT FIXTURES WITHIN SIDELIGHT DAYLIGHT ZONE IN CORRIDOR = 23W x 8 = 184W
DAYLIGHT-RESPONSIVE CONTROLS AS PER C405.2.3



WEBSTER AVE.
(IRREGULAR WIDTH WIDE STREET)

1 2ND TO 5TH FL. REFLECTED CEILING PLAN
EN-108 1/4"=1'-0"
NORTH

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER D.O.B. NO. 2/73
JUN 01 2017
THEODORE FINLEY

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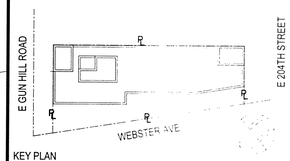


KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

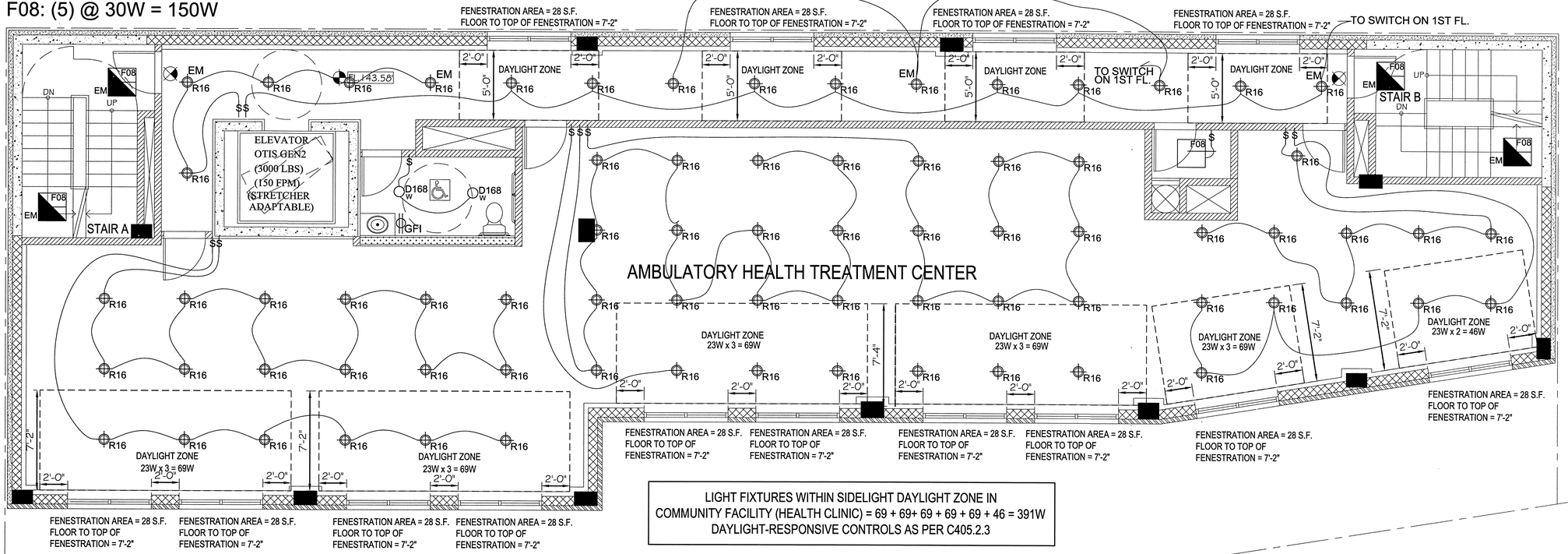
2ND TO 5TH FLOOR REFLECTED CEILING PLAN

SEAL & SIGNATURE

DATE: 7/14/16
PROJECT No: 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
EN-108.00
PAGE No: 27 of 29

D168: (2) @ 15W = 30W
R16: (74) @ 23W = 1702W
F08: (5) @ 30W = 150W

LIGHT FIXTURES WITHIN SIDELIGHT DAYLIGHT ZONE IN CORRIDOR = 23W x 8 = 184W
DAYLIGHT-RESPONSIVE CONTROLS AS PER C405.2.3



LIGHT FIXTURES WITHIN SIDELIGHT DAYLIGHT ZONE IN
COMMUNITY FACILITY (HEALTH CLINIC) = 69 + 69+ 69 + 69 + 69 + 46 = 391W
DAYLIGHT-RESPONSIVE CONTROLS AS PER C405.2.3

WEBSTER AVE.
(IRREGULAR WIDTH WIDE STREET)

1 EN-109 6TH FL. REFLECTED CEILING PLAN
1/4"=1'-0"
NORTH

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO. 2/5
JUN 01 2017
THEODORE FINLEY

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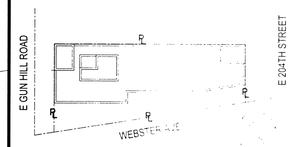


KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

6TH FLOOR REFLECTED CEILING PLAN

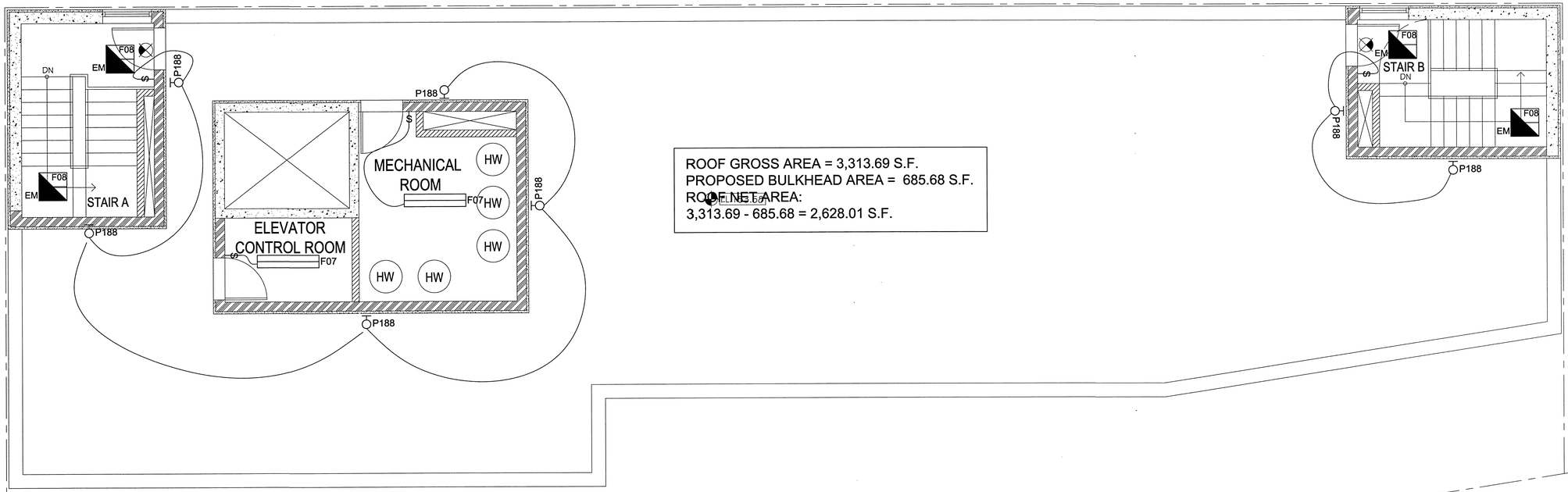
SEAL & SIGNATURE

REGISTERED ARCHITECT MICHAEL KANG 021649 STATE OF NEW YORK

DATE: 7.14.16
PROJECT No. 201603
DRAWING BY: C. Kuo, F. Ko
CHK BY: M. Kang
DWG No.
EN-109.00
PAGE No: 28 of 29

F07: (2) @ 30W = 60W
F08: (4) @ 30W = 120W

EXTERIOR
P188: (7) @ 19W = 133W



ROOF GROSS AREA = 3,313.69 S.F.
PROPOSED BULKHEAD AREA = 685.68 S.F.
ROOF NET AREA:
3,313.69 - 685.68 = 2,628.01 S.F.

1 EN-110 1/4"=1'-0" ROOF REFLECTED CEILING PLAN
NORTH

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER MEA NO. 275
JUN 0 1 2017
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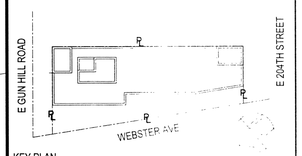

KEY PLAN

REV.#	DATE	DESCRIPTION

PROJECT
3466 WEBSTER AVENUE
BRONX, NY

ROOF REFLECTED CEILING PLAN

SEAL & SIGNATURE
REGISTERED ARCHITECT MICHAEL KANG 026649 STATE OF NEW YORK

DATE 7/14/16
PROJECT No. 201603
DRAWING BY: C. Kuo / F. Ko
CHK BY: M. Kang
DWG No:
EN-110.00
PAGE No: 29 of 29