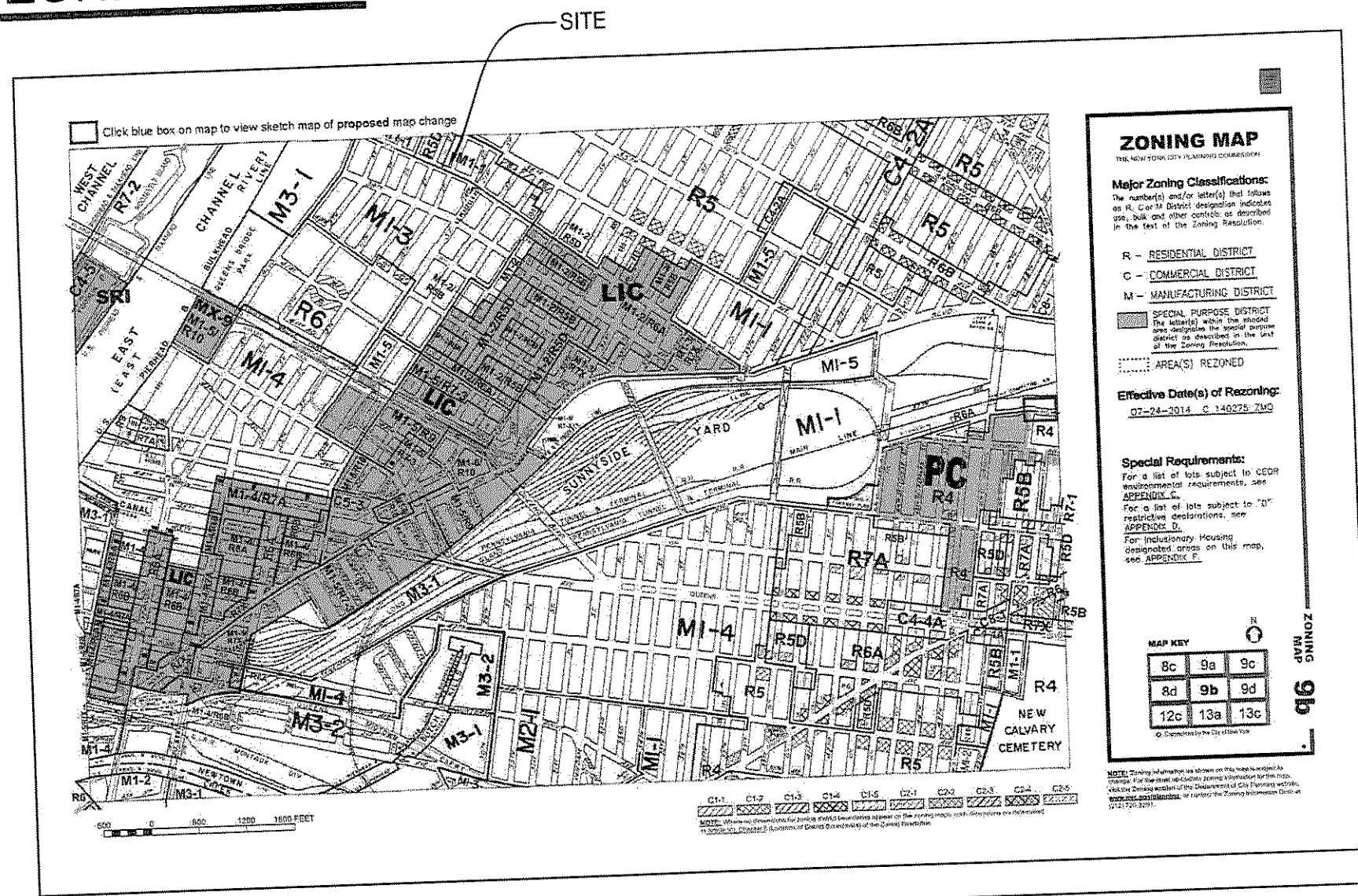


ZONING MAP:



ZONING ANALYSIS:

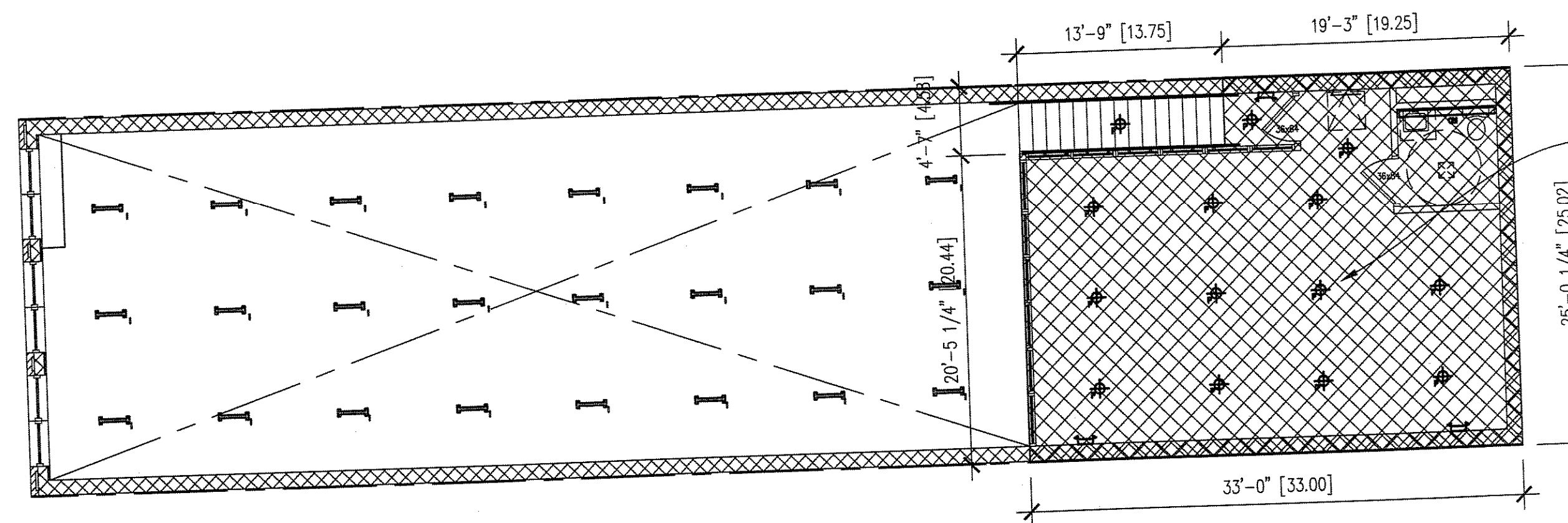
LOCATION:		12-17 37 AVENUE QUEENS, NY 11101		
ZONING SECTION	ITEM	BLOCK	351	PASS / FAIL
		LOT	36	
		ZONING MAP	9B	
		ZONING DISTRICT	M1-1	
		OCCUPANCY GROUP	S-2	
		USE GROUP	16 (WAREHOUSE)	
		CONSTRUCTION CLASSIFICATION	1B	
		TAX LOT AREA	= 2503.50 SQ FT	
		ZONING LOT AREA	= 2503.50 SQ FT	
43-02	STREET TREE PLANTING	In all districts, as indicated, all developments, or enlargements of 20 percent or more in floor area, excluding developments or enlargements in Use Groups 17 or 18, shall provide street trees in accordance with Section 26-41 (Street Tree Planting). REQUIRED: 1 TREE / 25' [REQ'D] = 1 TREE PROVIDED: 0 < 1 [NG] NOTE: ONE STREET TREE TO BE PLANTED OFF SITE		PASS
43-10, 43-12	FLOOR AREA REGULATIONS	MAX PERMITTED FLOOR AREA RATIO IN M1-1 DISTRICT = 1.00 MAX PERMITTED FA = 2503.5 SF X 1.00 ACT FA = MEZZANINE = ACT FA = 1ST FLOOR = TOTAL F.A. = DEDUCTIONS (PARKING SPACES) TOTAL DEDUCTION: 1ST FLOOR [SEE BLDG AREA DIAGRAMS THIS SHEET] TOTAL DEDUCTIONS = TOTAL PROPOSED FA = 3266.19 (FA) - 1200(DEDUCTIONS) 2066.19 < 2503.5 [OK] ACTUAL FAR: 2066.19 / 2503.5 = .825 < 1.0 [OK]	=2503.5 SF = 762.69 SF = 2503.50 SF = 3266.19 SF = 1200 SF = 2066.19 SF = 2066.19 SF	PASS
43-20	YARD REGULATIONS			PASS
43-25	MIN. REQ'D SIDE YARDS	In all districts, as indicated, no side yards are required. However, if an open area extending along a side lot line is provided, it shall be at least eight feet wide.		PASS
43-261	MIN REQ'D REAR YARD	In all districts, as indicated, a rear yard with a depth of not less than 20 feet shall be provided at every rear lot line on any zoning lot except if within 100' of a corner		PASS
43-43	MIN REQ'D FRONT YARD / SETBACK	NO FRONT YARD REQUIRED, MAX HEIGHT 30 FEET OR 2 STORIES [WHICHEVER IS LESS] ACTUAL HEIGHT 20 FT 2 STORIES		PASS
44-21	MIN. REQ'D PARKING	1 per 1,000 square feet of #floor area#, or 1 per 3 employees, whichever will require a larger number of spaces - M1-1 M1-2 M1-3 M2-1 M2-2 M3-1 Total Zoning FA = 762.69 [MEZZ] + 1303.50 [1st floor] = 2066.19 / 1000 = 3 Spaces Req'd Total occupants = [762.69/100] 8 Persons [Mezz] + [1303.50/500] 3 persons [1st fl.] = 11 persons / 3 = 3.6 spaces ACTUAL PARKING SPACES PROVIDED = (4) Spaces	= 4 SPACES	PASS
	OCCUPANT LOAD REQUIREMENTS PER TABLE 1004.1.1 NYCBC	OFFICES = 762.69 SF / 100 PER PERSON STORAGE = 2066.19 SQ FT / 500 PER PERSON TOTAL OCCUPANT LOAD PROPOSED	= 8 PERSONS = 3 PERSONS = 11 PERSONS	

ZONING ANALYSIS: PERFORMANCE STANDARDS ZR 42-20

NEW BUILDING SHALL COMPLY WITH EACH AND EVERY PERFORMANCE STANDARD GOVERNING NOISE (ZR 42-213), VIBRATION (ZR 42-223), 42-224), SMOKE (ZR 42-232, 42-234) DUST (ZR 42-233) AND OTHER PARTICULAR MATTER SUCH AS: ODORS MATTER (ZR 42-241), TOXIC (ZR 42-252), RADIATION HAZARDS (ZR 42-262, 42-263), FIRE AND EXPLOSIVE HAZARDS (ZR 42-272 TO 42-276) OXYGEN MANUFACTURE OR UTILIZATION (ZR 42-277) HEAT, HUMIDITY OR GLARE (ZR 42-281).

BUILDING AREA DIAGRAMS:

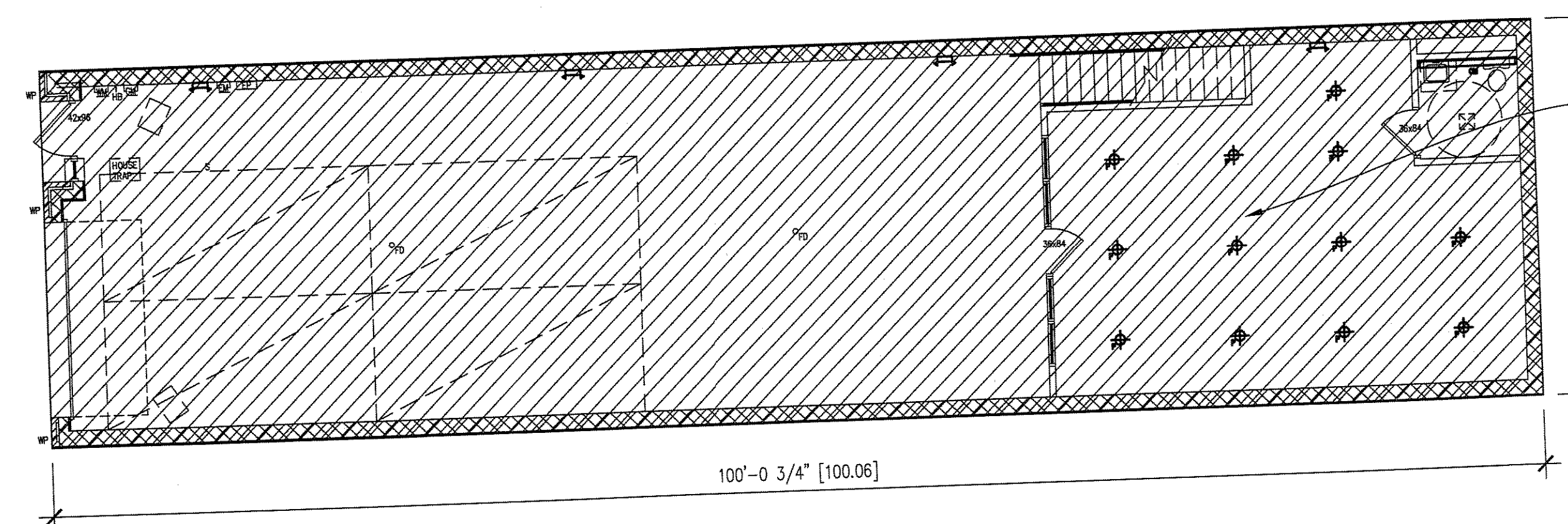
Scale: 1/8" = 1'-0"



MEZZANINE:

PROPOSED SQ FT:
33X20.44 + 19.25X4.58 = 762.69 SF

TOTAL SF @ MEZZANINE = 762.69 SF



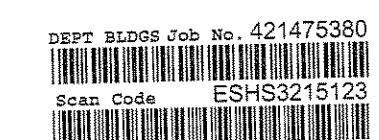
1ST FLOOR:

PROPOSED SQ FT:
100.06x25.02 = 2503.50 SF

LESS PARKING DEDUCTIONS ZR 12-10
4 PARKING SPACES: 300 SF X 4 = 1200 SF

TOTAL SF @ 1ST FLOOR =
2503.50 - 1200 = 1303.50 SF

TOTAL PROPOSED FA: = 762.69 + 1303.50 = 2066.19 SF



Babul Qureshi

OCT 12 2017

EXAMINED FOR CORRECTNESS AND FILE PREVENTION ONLY AS PER OR. 275

Anthony Hatzioannou Architect, P.C.
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Jencho, NY 11753
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Fax: (516) 682-9405
e-mail: ahatzio@msn.com

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS CARRYING OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. ANTHONY HATZIOANNOU ARCHITECT, P.C. AND ITS PRINCIPAL EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Rev. #	Date	Submissions
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

Building Address:
12-17 37 AVENUE,
QUEENS, NY 11101

Block No.: 351 Lot No.: 36
Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:

Seal & Signature:

Date: 1.11.2017
Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED
Drawing No.: Z-001.01
Sheet 2 of 15

COMcheck Software Version COMcheck-Web
Envelope Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
 Project Title: 12-17 37 Avenue, Q
 Location: New York, New York
 Climate Zone: 4a
 Project Type: New Construction
 Vertical Glazing / Wall Area: 1%

Construction Site: 12-17 37 AVENUE QUEENS, New York 11101
 Owner/Agent: STILLIANOS VARKARIS 104-22 ASTORIA BLVD ENTERPRISES 36-44 13 STREET LONG ISLAND CITY, New York 11106 718-706-8500 STEVE@CRESCENTGCG.COM
 Designer/Contractor: Anthony Hatzioannou Anthony Hatzioannou Architect PC 471 North Broadway, Suite 216 Jericho, New York 11753 516-250-1820 ahatzio@msn.com

Building Area	Floor Area
1-Warehouse : Nonresidential	3266

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
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Warehouse]	2503	---	30.0	0.032	0.032
Floor: Unheated Slab-On-Grade, Horizontal with vertical 4 ft. [Bldg. Use 1 - Warehouse] (c)	2503	---	10.0	0.640	0.540
NORTH Ext. Wall - North: Concrete Block, 12in., Partially Grouded, Cells Empty, Medium Density, Furring: Metal, [Bldg. Use 1 - Warehouse]	500	15.0	13.0	0.047	0.104
EAST Ext. Wall - East: Concrete Block, 12in., Partially Grouded, Cells Empty, Medium Density, Furring: Metal, [Bldg. Use 1 - Warehouse]	2001	15.0	13.0	0.047	0.104
SOUTH Ext. Wall - south: Concrete Block, 12in., Partially Grouded, Cells Empty, Medium Density, Furring: Metal, [Bldg. Use 1 - Warehouse]	500	15.0	13.0	0.047	0.104
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID PEL-N-167-01008-0001, SHGC 0.21, [Bldg. Use 1 - Warehouse] (d)	46	---	---	0.280	0.380
Door: Perf. Specs.: Product ID PEL-N-15-02038-0001, SHGC 0.12, [Bldg. Use 1 - Warehouse] (b)	24	---	---	0.300	0.770
Door: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Warehouse]	182	---	---	0.200	0.200

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
 Data filename: Page 1 of 16

COMcheck Software Version COMcheck-Web
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
 Project Title: 12-17 37 Avenue, Q
 Project Type: New Construction

Construction Site: 12-17 37 AVENUE QUEENS, New York 11101
 Owner/Agent: STILLIANOS VARKARIS 104-22 ASTORIA BLVD ENTERPRISES 36-44 13 STREET LONG ISLAND CITY, New York 11106 718-706-8500 STEVE@CRESCENTGCG.COM
 Designer/Contractor: Anthony Hatzioannou Anthony Hatzioannou Architect PC 471 North Broadway, Suite 216 Jericho, New York 11753 516-250-1820 ahatzio@msn.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
1-Warehouse	3266	0.59	1940
		Total Allowed Watts = 1940	

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Warehouse LED surface mounted pendant-p: LED Other Fixture Unit 28W:	1	26	29	754
LED surface mounted industrial-c: LED Linear 33W:	1	24	32	768
LED surface mounted over mirror-com: LED Linear 33W:	1	2	34	68
				Total Proposed Watts = 1590

Interior Lighting PASSES: Design 18% better than code

Interior Lighting Compliance Statement

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
 Data filename: Page 2 of 16

COMcheck Software Version COMcheck-Web
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
 Project Title: 12-17 37 Avenue, Q
 Project Type: New Construction
 Exterior Lighting Zone: 2 (Light industrial area with limited nighttime use)

Construction Site: 12-17 37 AVENUE QUEENS, New York 11101
 Owner/Agent: STILLIANOS VARKARIS 104-22 ASTORIA BLVD ENTERPRISES 36-44 13 STREET LONG ISLAND CITY, New York 11106 718-706-8500 STEVE@CRESCENTGCG.COM
 Designer/Contractor: Anthony Hatzioannou Anthony Hatzioannou Architect PC 471 North Broadway, Suite 216 Jericho, New York 11753 516-250-1820 ahatzio@msn.com

Allowed EXTERIOR Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	10 ft2	0.25	Yes	2
		Total Tradable Watts (a) =		2
		Total Allowed Watts =		2
		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 Fixture	D Fixture Watt.	E (C X D)
Entry canopy (10 ft2): Tradable Wattage LED surface mounted wall pack-wp: LED Other Fixture Unit 36W:	1	3	36	108
				Total Tradable Proposed Watts = 108

Exterior Lighting PASSES: Design 82% better than code

Exterior Lighting Compliance Statement

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
 Data filename: Page 4 of 16

COMcheck Software Version COMcheck-Web
Mechanical Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
 Project Title: 12-17 37 Avenue, Q
 Location: New York, New York
 Climate Zone: 4a
 Project Type: New Construction

Construction Site: 12-17 37 AVENUE QUEENS, New York 11101
 Owner/Agent: STILLIANOS VARKARIS 104-22 ASTORIA BLVD ENTERPRISES 36-44 13 STREET LONG ISLAND CITY, New York 11106 718-706-8500 STEVE@CRESCENTGCG.COM
 Designer/Contractor: Anthony Hatzioannou Anthony Hatzioannou Architect PC 471 North Broadway, Suite 216 Jericho, New York 11753 516-250-1820 ahatzio@msn.com

Additional Efficiency Package

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

Mechanical Systems List

Quantity System Type & Description

Mechanical Compliance Statement

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
 Data filename: Page 5 of 16

COMcheck Software Version COMcheck-Web
Inspection Checklist

Energy Code: 2016 New York City Energy Conservation Code

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

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.1 (PR10) ¹	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.1 (PR11) ¹	The skylight area <= 3 percent of the gross roof area.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
 Data filename: Page 6 of 16

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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
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 opaque 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.O.S.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
 Data filename: Page 7 of 16

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 (FO4) ¹	Slab edge insulation installed per manufacturer's instructions.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.2.1 (FO6) ¹	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.2.5 (FO3) ¹	Slab edge insulation R-value.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.

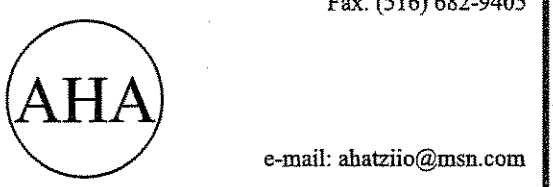
Additional Comments/Assumptions:

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
 Data filename: Page 8 of 16

Architect: Anthony Hatzioannou Architect, P.C. R.A., AIA, NCARB Certified
 Planning
 Urban Design
 Interior Design
 Code Consultant
 Zoning
 Building Dept. Expediting

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 Fax. (516) 682-9405



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Rev. #	Date	Submissions
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

Building Address:
 12-17 37 AVENUE,
 QUEENS, NY 11101

Block No.: 351 Lot No.: 36
 Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
 ENERGY CODE COMPLIANCE
 COMCHECK



Date: 1.11.2017
 Project No: 20170111
 Drawn By:
 Checked By:
 Scale: AS NOTED
 Drawing No.: EN-001.00
 Sheet 2 of 15

Babul Qureshi
 OCT 12 2017
 EXAMINED FOR ZONING, EGRESS AND PREVENTION ONLY, AS PER DCA 10-0-478

L:\DWG\AHA Varkaris\12-17 37 ave warehouse 20161116\A101 FLOOR PLANS.dwg 06/14/17 11:25am

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12]	Fenestration products rated in accordance with NFRC.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.1.3 [FR13]	Fenestration products are certified as to performance labels or certificates provided.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.3 [FR10]	Vertical fenestration SHGC value.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.4.3.4 [FR8]	Vertical fenestration U-Factor.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.4.4 [FR14]	U-factor of opaque doors associated with the building thermal envelope meets requirements.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.5.7 [FR17]	Vestibules are installed on all building entrances. Doors have self-closing devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
Data filename: Page 9 of 16

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.5.5.3 [ME3]	Stair and elevator shaft vents have motorized dampers that automatically close.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.5.5.3 [ME5]	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
Data filename: Page 10 of 16

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15]	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 [EL18]	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.3 [EL23]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1 [EL22]	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3 [EL16]	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.1 [EL20]	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.2 [EL20]	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.3 [EL21]	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL8]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.5 [EL25]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6]	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
Data filename: Page 11 of 16

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3 [IN3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.5 [F155]	Building envelope contains a continuous air barrier that has been tested and deemed to limit air leakage <= 0.40 cfm/ft2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.5.6 [F137]	Weatherseals installed on all loading dock cargo doors.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [F18]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [F19]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.2.5.1 [F116]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [F133]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.2.7 [F1100]	Wood-burning fireplaces have tight fitting flue dampers and outdoor air for combustion.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
Data filename: Page 15 of 16

Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3]	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <= 3 in 12.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.1 [IN10]	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.2 [IN7]	Above-grade wall insulation installed per manufacturer's instructions.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.2.3 [IN14]	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.1.3 [IN19]	Non-swinging opaque doors have R-4.75 insulation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.2.1 [IN17]	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.2.3 [IN5]	Above-grade wall insulation R-value.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.2.5 [IN8]	Floor insulation R-value.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.2.6 [IN18]	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.2.2 [IN2]	Roof R-value. For some ceiling systems, verification may need to occur during Framing Inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.5.1.1 [IN1]	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
Data filename: Page 13 of 16

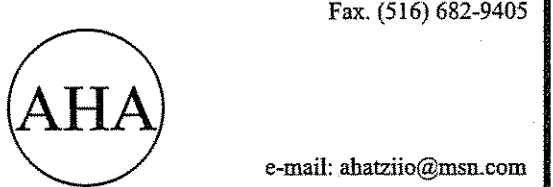
Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C402.5.1.3 [IN20]	Air barrier testing: New buildings comply with following requirements: 1. New buildings 25,000 ft2 and greater, but less than 50,000 ft2, and less than or equal to 75 feet in height show compliance through testing 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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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

Project Title: 12-17 37 Avenue, Q Report date: 06/13/17
Data filename: Page 14 of 16

Architect: Anthony Hatzioannou Architect, P.C. R.A., AIA, NCARB Certified
Architecture
Planning
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Interior Design
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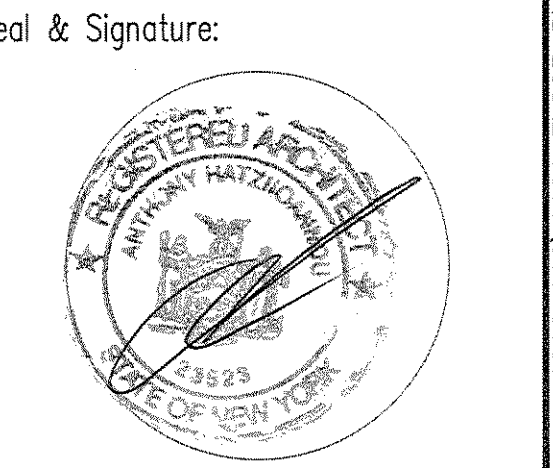
THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. ANTHONY HATZIOANNOU ARCHITECT, P.C. AND ITS PRINCIPAL / EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Rev. #	Date	Submissions
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

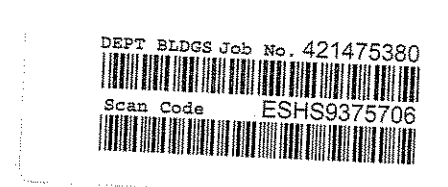
Building Address:
12-17 37 AVENUE,
QUEENS, NY 11101

Block No.: 351 Lot No.: 36
Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
ENERGY CODE COMPLIANCE
COMCHECK

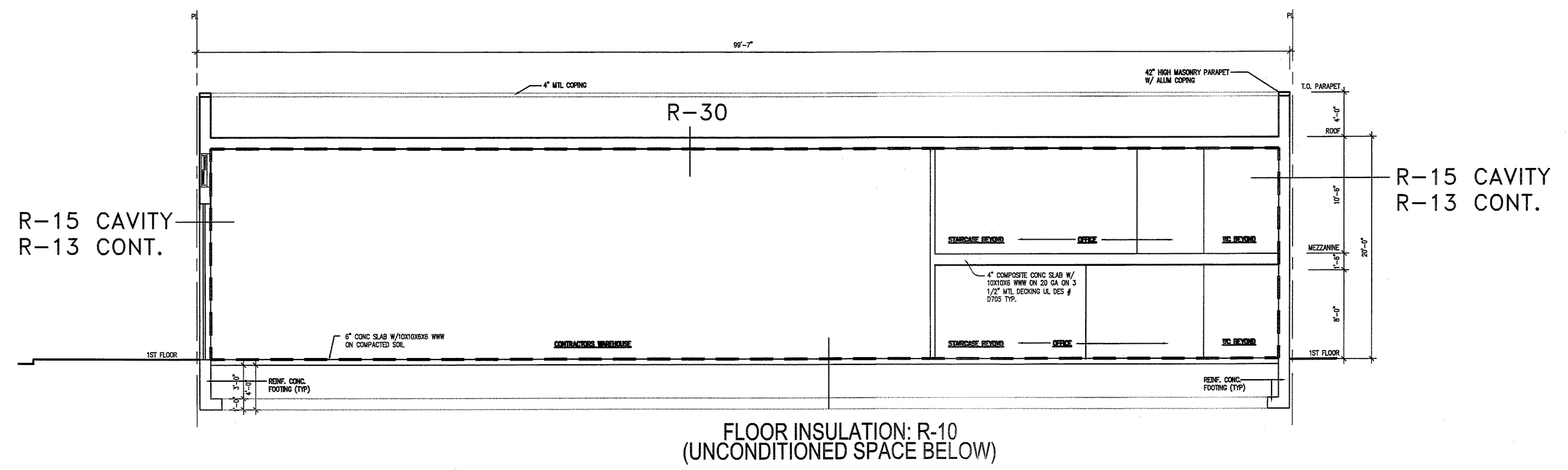


Date: 1.11.2017
Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED
Drawing No.: EN-002.00
Sheet 4 of 15



Babul Qureshi
OCT 12 2017
EXAMINED FOR ZONING CODES AND
PRESERVATION ONLY, AS PER OUR NO. 246

L:\V\F\DWG\AIA\Work\12-17 37 ave warehouse 20161116\A101 FLOOR PLANS.dwg 06/13/17 11:25am



THERMAL BOUNDARY DIAGRAM
 Scale: 1/8" = 1'-0"

- NOTES:**
- ALL WINDOWS SHALL BE ALUM FRAME, INSULATED, DOUBLE GLAZED W/THERMAL BREAK AND LOW-E GLAZING WITH THE FOLLOWING MIN. PERFORMANCE RATINGS:

U-FACTOR	SHGC	AIR LEAKAGE RATING
0.41	0.31	≤ 0.2 CFM/SF

- ALL WINDOWS SHALL BE INSTALL WITH FLASHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT AND CAULKING AT ROUGH OPENING/WINDOW FRAME JOINTS TO CREATE A CONT. AIR BARRIER WITH SURROUNDING WALL SYSTEM.

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. ANTHONY HATZIOANNOU ARCHITECT, P.C. AND ITS PRINCIPAL EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Rev. #	Date	Submissions
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

Building Address:
 12-17 37 AVENUE,
 QUEENS, NY 11101

Block No.: 351 Lot No.: 36
 Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
**BUILDING AREA
 DIAGRAMS**

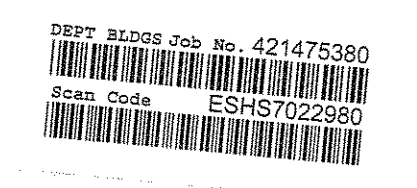
Seal & Signature:



Date:	1.11.2017
Project No:	20170111
Drawn By:	
Checked By:	
Scale:	AS NOTED

Drawing No.: **EN-004.00**

Sheet 5 of 15



Babul Qureshi
 OCT 12 2017
 EXAMINED FOR EODING, EGRESS AND FIRE PREVENTION ONLY, AS PER DOB REGS.

ENERGY ANALYSIS (COMMERCIAL)

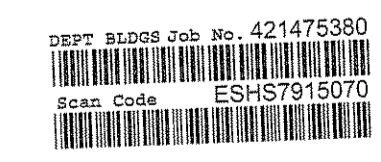
NYCECC CITATION	PROVISION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE	SUPPORTING DOCUMENTATION
VENTILATION					
C403.2.5	Minimum mechanical ventilation	Outside air control	Motorized dampers shall have ability to operate at minimum positions	Where mechanical ventilation is provided system shall be capable of reducing outside air to the minimum requirements	
DUCT AND PLENUM INSULATION AND SEALING					
C403.2.7	Minimum duct insulation	Minimum duct insulation	R-5 in unconditioned spaces R-8 for outdoor spaces	R-5 in unconditioned spaces R-8 for outdoor spaces, all duct joints and seams shall be sealed	See mechanical specifications booklet, Insulation
C403.2.7.1.1	Low pressure duct systems	Low pressure ductwork	All low pressure ducts properly sealed as per requirements	All low pressure ducts operating at 2" of W.G. or less shall be properly sealed with approved methods	See mechanical specifications booklet, Ductwork
C403.2.7.1.2	Medium pressure duct systems	Medium pressure ductwork	All medium pressure ducts sealed as per requirements and insulated per section C403.2.8	All medium pressure ducts operating between 2" and 3" of W.G. shall be sealed and insulated per C403.2.8	See mechanical specifications booklet, Ductwork
PIPING INSULATION					
Table C403.2.8	Hot water piping insulation	Insulation for hot water piping	2" insulation provided for piping greater than 1.5" in diameter	Insulation thickness shall conform to Table C403.2.8	See mechanical specifications booklet, Insulation
Table C403.2.8	Chilled water, brine, or refrigerant piping insulation	Insulation for refrigerant piping	1.5" insulation provided for all piping	Insulation thickness shall conform to Table C403.2.8	See mechanical specifications booklet, Insulation
SERVICE WATER HEATING					
C404 SERVICE WATER HEATING					
C404.3	Temperature Controls	Temperature Controls	All fixtures set to maximum outlet temperature of 110 degrees F	Controls shall allow 110 degrees F set point for dwellings, and 90 degrees F for other occupancies. Lavatories in public restrooms shall be limited to 110 degrees F.	See notes on drawings P-001.00
C404.5	Pipe Insulation	Pipe Insulation	1" insulation shall be used on all hot water piping	Automatic circulating hot water systems = 1" insulation. First 8' of pipe in non-circulating systems without integral heat traps = 0.5" insulation. Conductivity for insulation shall not exceed 0.27 BTU/in/h*ft ² *F	See schedule on drawing P-001.00
C404.6	Hot Water System Controls	Circulating Pumps and Heat Trace	Controls shall shut off heat trace and pumps when heating system is not in operation	Automatic circulating hot water system pumps and heat trace to be turned off manually or automatically when hot water system is not in operation	See notes on drawing P-001.00
ELECTRICAL POWER AND LIGHTING SYSTEMS					
C405.2 LIGHTING CONTROLS (MANDATORY)					
C405.2.1.1	Interior lighting controls	Interior lighting controls include manual, automatic, and occupant sensor controls	Interior lighting controls have been provided	Lighting systems shall be provided with controls as required in Sections 405.2.1, 405.2.2, 405.2.3, 405.2.4 and 405.2.5	
C405.2.1.2	Lighting reduction controls	Automatic and occupant sensor controls are provided in rooms	Proposed lighting controls designed to reduce connected lighting load by 50%	Each area that is required to have a manual control shall also allow the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern by at least 50% *see code for approved methods of reduction.	
C405.2.2	Additional lighting controls	Manual controls in rooms	Interior lighting controls have been provided	Each area that is required to have a manual control shall have additional controls that meet the requirements of Sections 405.2.1, 405.2.2, 405.2.3, 405.2.4 and 405.2.5	
C405.2.2.1	Automatic time switch controls to control lighting in all areas	Automatic time switch controls to control lighting in all areas	Automatic time switch controls have been provided with override switches	Automatic time switch controls shall be installed to control lighting in all areas of the building.	
C405.2.2.2	Occupancy sensors	Occupancy sensors with manual-on or automatic on to no more than 50% power	Automatic control devices have been provided in these areas	Automatic control devices shall be installed in classrooms, conference/meeting rooms, employee lunch and break rooms, and offices smaller than 200 feet with manual-on switches. Automatic control devices shall be installed in restrooms, storage rooms, private offices 200 sq.ft. in area or greater, janitorial closets and other spaces 300 sq.ft. in area or less enclosed by floor-to-ceiling height partitions with either manual-on or shall be controlled to automatically turn the lighting on to not more than 50% power. All automatic control devices to automatically turn off lights within 30 minutes of all occupants leaving the space.	
C405.2.2.3	Daylight zone control	Daylight zone control at rooms	Daylight zone control provided as required	Daylight zones, as defined by this code, shall be provided with individual controls that control the lights independent of general area lighting. Contiguous daylight zones adjacent to vertical fenestration are allowed to be controlled by a single controlling device provided that they do not include zones facing more than two adjacent cardinal orientations (i.e. north, east, south, west). Daylight zones under skylights more than 15ft from the perimeter shall be controlled separately from daylight zones adjacent to vertical fenestration.	
C405.2.4	Exterior lighting controls	Daylight sensor controls provided for canopy and entry lighting. Manual overrides to be provided.	Photosensors provided and programmed as per requirements.	Lighting not designated for dusk-to-dawn operation shall be controlled by either a combination of a photosensor and a time switch, or an astronomical time switch. Lighting designated for dusk-to-dawn operation shall be controlled by an astronomical time switch or photosensor. All time switches shall be capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.	
C405.4	Exit signs	Exit signs to be provided.	5W per side	Internally illuminated exit signs shall not exceed 5 watts per side.	
C408.3.2	LIGHTING CONTROLS	DOCUMENTATION REQUIREMENTS. THE CONSTRUCTION DOCUMENTS SHALL SPECIFY THAT DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF SECTION C405 ARE TO BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.			
C405.5 INTERIOR LIGHTING POWER REQUIREMENTS (PRESCRIPTIVE)					
C405.5.1	Total connected interior lighting power	Interior lighting power for all building use types	Interior lighting power shall be the sum of watts of all interior lighting equipment	The total connected interior lighting power (watts) shall be the sum of the watts of all interior lighting equipment as determined in accordance with Sections C405.5.1.1 through C405.5.1.4. *see code for specific space type requirements and exceptions.	
C405.5.2 and Table C405.5.2(1) & (2)	Interior lighting power for all building use types	Interior lighting power for all building use types	Proposed interior lighting power is below maximum allowable total interior lighting power	The total interior lighting power (watts) is the sum of all interior lighting powers for all areas in the building covered in this permit. The interior lighting power is the floor area for each building type listed in Table C405.5.2 times the value from Table C405.5.2 for that area.	
C405.6 EXTERIOR LIGHTING (PRESCRIPTIVE)					
C405.6.2 and Tables C405.6.2(1) and C405.6.2(2)	Exterior building lighting power	Exterior lighting is provided for residential building	Proposed exterior lighting power is below maximum allowable total exterior lighting power	The total allowable exterior lighting power (watts) shall be the sum of the base site allowance plus the individual allowances for areas that are to be illuminated and are permitted in Table C405.6.2(2) or the applicable lighting zone. The lighting zone for the building exterior is determined from Table C405.6.2(1) unless otherwise specified by the local jurisdiction.	
C405.7	Electrical energy consumption (Mandatory).	Separate electrical meters provided for each unit	Separate electrical meters have been provided for each unit.	Separate electrical meters required for separate dwelling units.	

ENERGY ANALYSIS (COMMERCIAL)

NYCECC CITATION	PROVISION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE	SUPPORTING DOCUMENTATION
CLIMATE ZONES, DESIGN CONDITIONS, MATERIALS, EQUIPMENT AND SYSTEMS					
C302 DESIGN CONDITIONS					
C302.1	Interior design conditions	Minimum and maximum temperatures for indoor design load calculations	Load calculations performed at a maximum of 72 degrees F for heating and a minimum of 75 degrees F for cooling	Load calculations performed at a maximum of 72 degrees F for heating and a minimum of 75 degrees F for cooling	Sign and Sealed engineer's state of energy compliance on drawing EN-006.00
BUILDING ENVELOPES					
C402.4 AIR LEAKAGE					
C402.4.4	Outdoor intakes and exhaust openings	New vents and air intakes	All new vents and air intakes to be provided with Class I motorized, leakage-rated damper with a max leakage rate of 4cfm/sf at 1.0 in W.G.	Stair and elevator shaft vents and other outdoor air intakes and exhaust openings integral to the building envelope shall be equipped with not less than a Class I motorized, leakage-rated damper with a max leakage rate of 4cfm/sf at 1.0 in W.G.	See mechanical plans and mechanical specifications booklet
BUILDING MECHANICAL SYSTEMS					
C403.2 MANDATORY PROVISIONS					
C403.2.1	Calculation of heating and cooling loads	Minimum and maximum temperatures for interior design load calculations	Design loads shall be determined in accordance with the procedures described in the ASHRAE/ACCA 183	ASHRAE/ACCA 183 ASHRAE HVAC Systems and Equipment Handbook, Chapter 3 Energy Code	Sign and Sealed statement from engineer certifying compliance with energy code on drawing EN-006.00
C403.2.2	Equipment and system sizing	Heating and cooling equipment shall not exceed calculated loads	Specified equipment sized within load calculation limits	Heating and cooling equipment shall not exceed calculated loads	Sign and Sealed statement from engineer certifying compliance with energy code on drawing EN-006.00

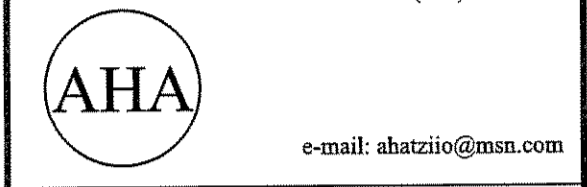
C403.2.4 HVAC SYSTEM CONTROLS					
C403.2.4.1	Thermostatic controls	Thermostats/humidistats for mechanical zones	One thermostat/humidistat is provided for each zone (where applicable)	Minimum one thermostat/humidistat required per zone	Thermostats/humidistats shown on mechanical plans
C403.2.4.2	Set point overlap restriction	All thermostats	Each thermostat will be programmed as required	Zone thermostat operation shall have minimum 5 degree dead band between heating and cooling	
C403.2.4.3	Off-hour controls, setbacks	All zones	Each thermostat will be programmable to meet requirements	All zone thermostats shall be operated via thermostatic setback controls operated via an automatic time clock or a programmable control system	
C403.2.4.3.1	Thermostatic setback capabilities	All zones	Each thermostat will be programmable to meet requirements	Controls shall have ability to setback temperatures down to 55 degrees F or up to 85 degrees F	See mechanical specifications booklet
C403.2.4.3.2	Automatic setback and shutdown capabilities	All zones	Each thermostat will be programmable to meet requirements	Controls shall be capable of automatically starting and stopping the systems for seven different daily schedules per week, capable of having settings saved in memory for 10 hours during a loss of power, and a manual system "on" override for up to two hours, or an occupancy sensor.	See mechanical specifications booklet
C403.2.4.4	Shutoff damper controls	Outside air intakes and exhaust	Each outdoor supply air and exhaust air ducts are provided with motorized dampers to shut off when not in use	Each outdoor supply air and exhaust air ducts are provided with motorized dampers to shut off when not in use. In buildings less than 3 stories in height and for any outside air intake or exhaust with airflow less than 300 CFM, gravity dampers shall be used.	See mechanical plans and mechanical specifications booklet

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



Babul Qureshi
 OCT 12 2017

Architect:
 Planning
 Urban Design
 Interior Design
 Code Consultant
 Zoning
 Building Dept.
 Expediting
 471 North Broadway, #216
 Jericho, NY 11753
 Tel. (516) 250-1820
 Fax. (516) 682-9405



THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. ANTHONY HATZIOANNOU ARCHITECT P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Rev. #	Date	Submissions
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

Building Address:
 12-17 37 AVENUE,
 QUEENS, NY 11101

Block No.: 351 Lot No.: 36
 Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
 ENERGY TABULAR ANALYSIS

Seal & Signature:

Date: 1.11.2017
 Project No: 20170111
 Drawn By:
 Checked By:
 Scale: AS NOTED
 Drawing No.:
EN-005.00

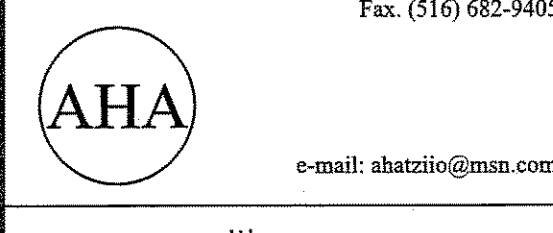
Sheet 6 of 15

	INSPECTION/TEST	REFERENCE STANDARD (SEE NYCECC CHAPTER 4) OR OTHER CRITERIA	NYCECC OR ASHRAE CITATION	MIN. PERIODIC INSPECTION FREQUENCY	INSPECTION DESCRIPTION
IIA	ENVELOPE INSPECTIONS				
IIA1	PROTECTION OF FOUNDATION INSULATION	APPROVED CONSTRUCTION DOCUMENTS	C303.2.1; ASHRAE 90.1 - 5.8.1.7	AS REQUIRED DURING FOUNDATION WORK AND PRIOR TO BACKFILL	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.
IIA2	INSULATION PLACEMENT AND R-VALUES	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	AS REQUIRED TO VERIFY CONTINUOUS ENCLOSURE WHILE WALLS, CEILINGS AND FLOORS ARE OPEN	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.
IIA3	FENESTRATION U-FACTOR AND PRODUCT RATINGS	APPROVED CONSTRUCTION DOCUMENTS; NFRC 100, NFRC 200	C303.1, C303.1.3; C402.3; ASHRAE 90.1 - 5.5, 5.6 OR 11; 5.8.2	AS REQUIRED DURING INSTALLATION. AT A MINIMUM, PERFORM WHEN 20% OF DOORS/ WINDOWS/ CURTAIN WALLS ARE INSTALLED	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) WHERE ECC CHAPTER 4 HAS BEEN USED FOR ANALYSIS AND A7.1, A8.1, A8.2 WHERE ASHRAE 90.1 HAS BEEN USED FOR ANALYSIS.
IIA4	FENESTRATION AIR LEAKAGE	NFRC 400, AAMA/WDMA/CSA 101/1.S.2/A440; ASTM E283; ANSI/DASMA 105	C402.5.2 ASHRAE 90.1 - 5.4.3.2	AS REQUIRED DURING INSTALLATION. AT A MINIMUM, PERFORM WHEN 20% OF DOORS/ WINDOWS/ CURTAIN WALLS ARE INSTALLED	WINDOWS AND SLIDING OR SWINGING DOOR ASSEMBLIES SHALL BE VISUALLY INSPECTED TO VERIFY THAT INSTALLED ASSEMBLIES ARE LABELED BY THE MANUFACTURER TO THE REFERENCED STANDARD. FOR CURTAIN WALL AND STOREFRONT GLAZING, THE TESTING REPORTS SHALL BE REVIEWED TO VERIFY THAT THE INSTALLED ASSEMBLY COMPLIES WITH THE STANDARD CITED IN THE APPROVED PLANS.
IIA5	FENESTRATION AREAS	APPROVED CONSTRUCTION DOCUMENTS	C402.4; ASHRAE 90.1 - 5.5.4.2, 5.6 OR 11	PRIOR TO FINAL INSPECTION	DIMENSIONS OF WINDOWS, DOORS AND SKYLIGHTS SHALL BE VERIFIED BY VISUAL INSPECTION.
IIA6	AIR SEALING AND INSULATION - VISUAL INSPECTION AND/OR TESTING	APPROVED CONSTRUCTION DOCUMENTS ASTM E283 ASTM E2178 ASTM E2357 ASTM E779	C402.5; ASHRAE 90.1 - 5.4.3.1	AS REQUIRED DURING CONSTRUCTION. AT A MINIMUM, PERFORM WHEN 20% OF DOORS/ WINDOWS/ CURTAIN WALLS ARE INSTALLED	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. BUILDINGS GREATER THAN 25,000 SF BUT LESS THAN 50,000 SF WITH HEIGHT LESS THAN OR EQUAL TO 75 FEET MUST SHOW COMPLIANCE WHEN TESTED IN ACCORDANCE WITH ASTM E779. BUILDINGS GREATER THAN 50,000 SF SHALL TEST OR INSPECT EACH TYPE OF UNIQUE AIR BARRIER JOINT OR SEAM IN THE BUILDING ENVELOPE FOR CONTINUITY AS PER PLAN DEVELOPED BY THE REGISTERED DESIGN PROFESSIONAL.
IIA7	PROJECTION FACTORS	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING ENERGY ANALYSIS	C402.4.3; ASHRAE 90.1 - 5.5.4, 5.6 OR 11	PRIOR TO FINAL CONSTRUCTION INSPECTION	WHERE THE ENERGY ANALYSIS UTILIZED A PROJECTION FACTOR > 0, THE PROJECTION DIMENSIONS OF OVERHANGS, EAVES OR PERMANENTLY ATTACHED SHADING DEVICES SHALL BE VERIFIED FOR CONFORMANCE WITH APPROVED PLANS BY VISUAL INSPECTION.
IIA9	VESTIBULES	APPROVED CONSTRUCTION DOCUMENTS	C402.5.7; ASHRAE 90.1 - 5.4.3.4	PRIOR TO FINAL CONSTRUCTION INSPECTION	REQUIRED ENTRANCE VESTIBULES SHALL BE VISUALLY INSPECTED FOR PROPER OPERATION.
II B	MECHANICAL AND SERVICE WATER HEATING INSPECTIONS				
II B2	SHUTOFF DAMPERS	APPROVED CONSTRUCTION DOCUMENTS; AMCA 500D	C403.2.4.3; ASHRAE 90.1 - 6.4.3.4	AS REQUIRED DURING INSTALLATION	STAIR AND ELEVATOR SHAFT VENTS AND DAMPERS FOR 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.
II B3	HVAC AND SERVICE WATER HEATING EQUIPMENT	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	PRIOR TO FINAL PLUMBING AND CONSTRUCTION INSPECTION	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.
II B4	HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS CONTROLS WITH SEASONALLY DEPENDENT FUNCTIONALITY	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING CONTROL SYSTEM NARRATIVES; ASHRAE GUIDELINE 1: THE HVAC COMMISSIONING PROCESS	C403.2.4, C403.2.6.1, C403.2.13, C403.4, C404.3, C404.6, C404.7; ASHRAE 90.1 - 6.3, 6.4, 6.5, 7.4.4, 7.4.5	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	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; DEMAND CONTROL 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 AND RADIANT HEATING SYSTEMS. 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.
II B5	HVAC INSULATION AND SEALING	APPROVED CONSTRUCTION DOCUMENTS; SMACNA DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE	C403.2.9, C403.2.10, C404.4, MC 603.9; ASHRAE 90.1 - 6.3, 6.4.4; 6.8.2, 6.8.3; 7.4.3	AFTER INSTALLATION AND PRIOR TO CLOSING SHAFTS, CEILINGS AND WALLS	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.
II B6	DUCT LEAKAGE TESTING	APPROVED CONSTRUCTION DOCUMENTS; SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL	C403.2.9.1.3; ASHRAE 90.1 - 6.4.4.2.2	AFTER INSTALLATION AND SEALING AND PRIOR TO CLOSING SHAFTS, CEILINGS AND WALLS	FOR DUCT SYSTEMS DESIGNED TO OPERATE AT STATIC PRESSURES IN EXCESS OF 3 INCHES W.G. (746 PA), REPRESENTATIVE SECTIONS TOTALING AT LEAST 25% OF THE DUCT AREA, PER ECC 403.2.7.1.3, SHALL BE TESTED TO VERIFY THAT ACTUAL AIR LEAKAGE IS BELOW ALLOWABLE AMOUNTS.
IIC	ELECTRICAL POWER AND LIGHTING SYSTEMS				
IIC3	INTERIOR LIGHTING POWER	APPROVED CONSTRUCTION DOCUMENTS	C405.4.2; ASHRAE 90.1 - 9.1, 9.2, 9.5, 9.6; 1RCNY §101-07(c)(3)(v)(C)4	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	INSTALLED LIGHTING SHALL BE VERIFIED FOR COMPLIANCE WITH THE LIGHTING POWER ALLOWANCE BY VISUAL INSPECTION OF FIXTURES, LAMPS, BALLASTS AND TRANSFORMERS.
IIC4	EXTERIOR LIGHTING POWER	APPROVED CONSTRUCTION DOCUMENTS	C405.5.1; ASHRAE 90.1 - 9.4.3; 1RCNY §101-07(c)(3)(v)(C)4	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	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.
IIC5	LIGHTING CONTROLS	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING CONTROL SYSTEM NARRATIVES	C405.2; ASHRAE 90.1 - 9.4.1 (as modified by section ECC A102)	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	EACH TYPE OF REQUIRED LIGHTING CONTROLS, INCLUDING MANUAL INTERIOR LIGHTING CONTROLS, LIGHT-REDUCTION CONTROLS, AUTOMATIC LIGHTING SHUT-OFF, DAYLIGHT ZONE CONTROLS AND EXTERIOR LIGHTING CONTROLS, SHALL BE VERIFIED BY VISUAL INSPECTION AND TESTED FOR FUNCTIONALITY AND PROPER OPERATION.
IIC6	EXIT SIGNS	APPROVED CONSTRUCTION DOCUMENTS	C405.3; ASHRAE 90.1 - 9.4.2	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	INSTALLED EXIT SIGNS SHALL BE VISUALLY INSPECTED TO VERIFY THAT THE LABEL INDICATES THAT THEY DO NOT EXCEED MAXIMUM PERMITTED WATTAGE.
IIC7	ELECTRIC MOTORS (INCLUDING BUT NOT LIMITED TO FAN MOTORS)	APPROVED CONSTRUCTION DOCUMENTS	C405.8; ASHRAE 90.1 - 10.4	PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION	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.
IID	OTHER				
IID1	MAINTENANCE INFORMATION COMMISSIONING OF MECHANICAL SYSTEMS	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	PRIOR TO SIGN-OFF OR ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY	MAINTENANCE MANUALS FOR MECHANICAL, SERVICE HOT WATER AND ELECTRICAL POWER 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.

Architect: Anthony Hatzioannou Architect, P.C. R.A., AIA, NCARB Certified

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Jenico, NY 11753

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Fax. (516) 682-9405



THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. ANTHONY HATZIOANNOU ARCHITECT, P.C. AND ITS PRINCIPAL EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

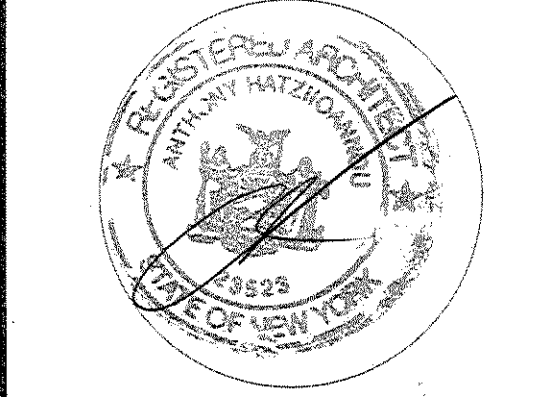
Rev. #	Date	Submissions
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

Building Address:
12-17 37 AVENUE,
QUEENS, NY 11101

Block No.: 351 Lot No.: 36
Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
ENERGY CODE COMPLIANCE
/ PROGRESS INSPECTIONS:
2016 NYC ECC

Seal & Signature:



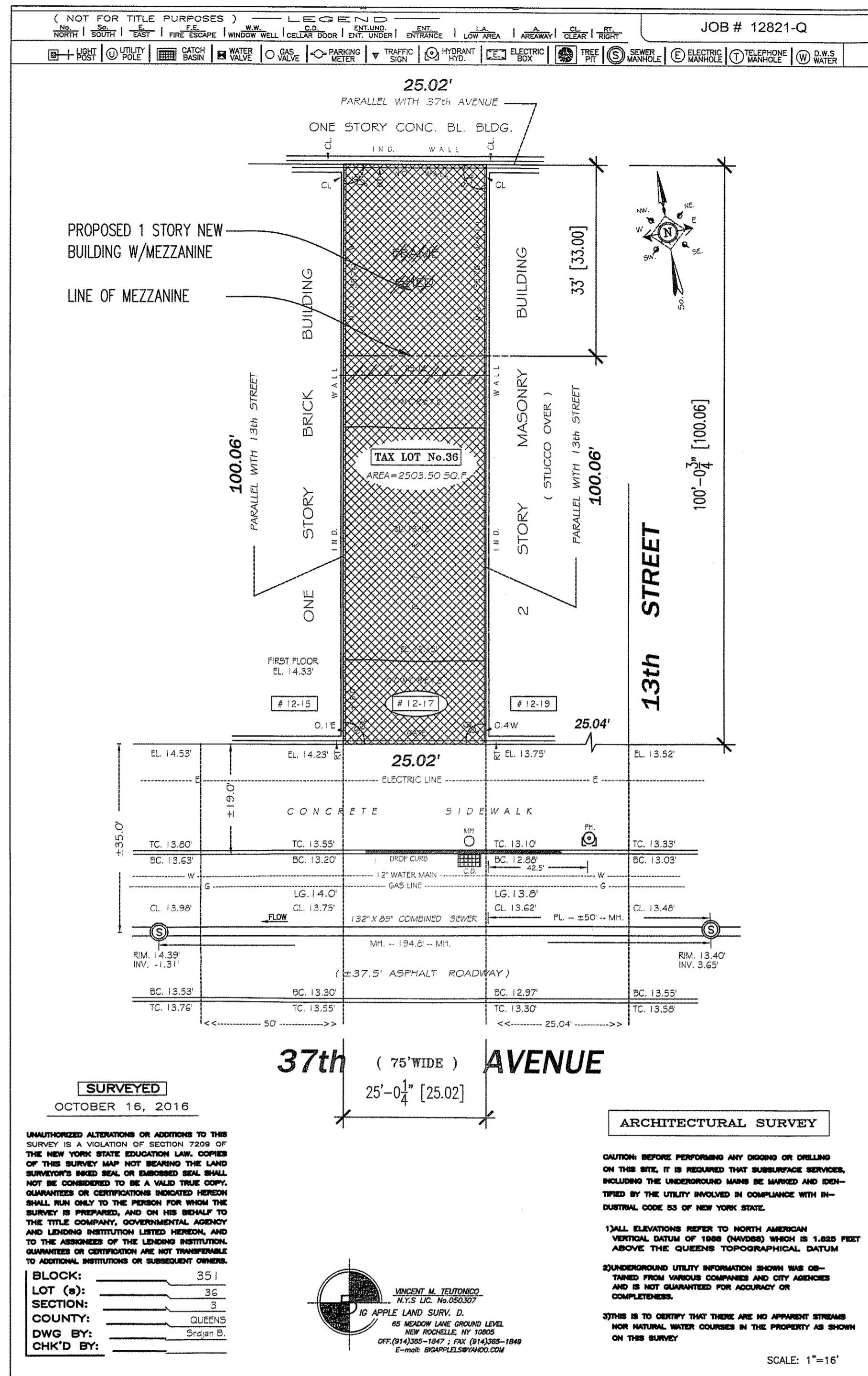
Date: 1.11.2017
Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED

Stamp: Babul Qureshi
Stamp: OCT 12 2017
Stamp: EXAMINED FOR CORRECTION, EXPRESS AND PREVENTION ONLY, AS PER DIR. REG.

Drawing No.: EN-006.00
Sheet 7 of 15

SITE PLAN

Scale: 1/16"=1'-0"



SURVEYED
OCTOBER 16, 2016

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S SEAL OR SURVEYOR'S SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ADDRESSEE OF THE LENDING INSTITUTION. GUARANTEES OR CERTIFICATIONS ARE NOT TRANSFERABLE TO OTHER INSTITUTIONS OR SUBSEQUENT OWNERS.

BLOCK: 351
LOT (s): 3E
SECTION: 3
COUNTY: QUEENS
DWG BY: Srinjan B.
CHK'D BY:

VINCENT M. TROIANO
10 APPLE LANE SUITE D
65 MIDDLE LANE GROUND LEVEL
HOF BOULEVARD, NY 11355
OFF: (718) 355-1671, FAX: (718) 355-1848
E-mail: VMTR@VMSURV.COM

ARCHITECTURAL SURVEY

CAUTION: BEFORE PERFORMING ANY DIGGING OR DRILLING ON THIS SITE, IT IS REQUIRED THAT SUBSURFACE SERVICES, INCLUDING THE UNDERGROUND MAINS BE MARKED AND IDENTIFIED BY THE UTILITY INVOLVED IN COMPLIANCE WITH INDUSTRIAL CODE 53 OF NEW YORK STATE.

1) ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 DATUM WHICH IS 1.833 FEET ABOVE THE QUEENS TOPOGRAPHICAL DATUM

2) UNDERGROUND UTILITY INFORMATION SHOWN WAS OBTAINED FROM VARIOUS COMPANIES AND CITY AGENCIES AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.

3) THIS IS TO CERTIFY THAT THERE ARE NO APPARENT STRAINS OR NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY.

SCALE: 1"=16'

GENERAL REQUIREMENTS

THE ACCOMPANYING DRAWINGS AND SUBSEQUENT NOTES WERE IN CONFORMANCE WITH THE BASIC REQUIREMENTS OF ZONING AND BUILDING CODE.

ALL INFORMATION AND DATA FURNISHED BY THE OWNER AND/OR BUILDER SUCH AS TEST BORINGS, SURVEYS AND IF ANY, DEED REGISTRATIONS, ALONG WITH THE DESIRED TYPE OF BUILDING HAVE BEEN INSTRUMENTAL IN PREPARATION OF ALL WORK.

ALL MATERIALS ASSEMBLIES, FORMS & METHODS OF CONSTRUCTION & EQUIPMENT SHALL MEET THE FOLLOWING REQUIREMENTS:

- A) IT SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE BY THE BOARD.
- B) IT SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE CODE TEST METHOD PRESCRIBED BY THE COMMISSIONER, OR
- C) IT SHALL HAVE BEEN APPROVED BY THE BOARD OF STANDARDS & APPEALS PER SECT. C26-26106.2

CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE PRIOR TO STARTING OF WORK AND HE SHALL FAMILIARIZE HIMSELF WITH THE INTENT OF THESE PLANS AND MAKE WORK AGREE WITH SAME.

CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL LINE, GRADE AND BENCH MARKS NECESSARY FOR PROPER EXECUTION OF THE WORK BEFORE PROCEEDING WITH THE WORK. ALL GIVEN SURVEY DATA SHALL BE VERIFIED BY THE CONTRACTOR AND HE SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES ALL SURVEY AND GRADE DATA IS FOR GENERAL USE ONLY.

THE ARCHITECT OF THIS PROJECT HAS NOT BEEN RETAINED TO SUPERVISE THIS CONSTRUCTION NOR FOR ANY FIELD SUPERVISION WHATSOEVER AND ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF THE WORK.

ALL CONSTRUCTION WORK, INCLUDING ASSEMBLIES, MATERIAL, AND EQUIPMENT SHALL CONFORM TO THE LATEST STANDARD BUILDING CODE AS IS APPLICABLE AND THEY SHALL BE FULLY FURNISHED BY THE CONTRACTOR.

CONTRACTOR OF EACH TRADE SHALL COORDINATE HIS WORK ACCORDINGLY WITH THE OTHER TRADES TO AVOID ANY CONFLICT AND UNNECESSARY EXPENSES.

IF IN THE COURSE OF CONSTRUCTION A CONDITION EXISTS WHICH DISAGREES WITH THAT AS INDICATED ON THESE DRAWINGS, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE ARCHITECT OF SUCH DISCREPANCY SHOULD HE FAIL TO FOLLOW THIS PROCEDURE AND CONTINUE WITH THE WORK, HE SHALL ASSUME RESPONSIBILITY AND LIABILITIES ARISING THEREFROM.

CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ASSURE THE SAFETY OF THE ADJOINING STRUCTURES, OCCUPANTS WORKERS AND ALL OTHER AT THE SITE.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SUPERSEDED SCALED DIMENSIONS.

SAMPLE SHALL BE SUPPLIED TO THE DESIGNER OF ALL MATERIALS PROPOSED. SHOP DRAWINGS SHALL BE PROVIDED FOR FABRICATED ITEMS SPECIFIED IN THE DRAWINGS.

CONTRACTOR SHALL PRESENT THE BUILDING TO THE OWNER FOR ACCEPTANCE, CLEAN AND READY FOR OCCUPANCY. ALL GLASS SHALL BE CLEANED AND POLISHED, FLOOR SWEEP BROOM CLEAN, CARPETS VACUUMED AND FIXTURES WASHED, WITH ALL LABELS REMOVED AND EXTERIOR HAND AND RAKED FREE OF THASH AND DEBRIS.

NYS ENERGY CONSERVATION CONST CODE NOTES:

A- "U" VALUES OF THE ENVELOPE SUBSYSTEMS: (HEATING & COOLING)
BUILDING ENVELOPE THERMAL TRANSMITTANCE VALUES AS PER TABLES A-1 AND A-2 COMPUTED BY EQUATION 4-1 (NEW YORK CITY 5000 DEGREE DAYS) WITH THE FOLLOWING EXCEPTION
1 & 2 FAMILY DWELLING, 3 STORIES AND LESS THAN 5000 SF ARE DESIGNED WITH THERMAL TRANSMITTANCE VALUES AS PER TABLE 5-1. THE AREA OF WINDOWS & DOORS NOT EXCEEDING 24% OF TOTAL EXTERIOR WALL AREA (E502.2)

APPLICABLE THERMAL TRANSMITTANCE VALUES FOR BUILDINGS REGULATED BY SECTIONS E 402.2 AND E 402.3				
	1&2 FAMILY 2 STORIES AND LESS THAN 5000 SF (SEE EXCEPTIONS BELOW)	OTHER RES 3 STORIES AND LESS	BLDG LESS THAN 3 STORIES NOT INCLUDING RESIDENTIAL	ALL BLDGS INCLUDING RESIDENTIAL OVER 3 STORIES
MAX. UO (WALLS)	.24	.29	.30	.36
MAX UO (ROOF) CEILINGS)	.05	.05	.08	.08
MAX UO (FLOORS) OVER UNHEATED SPACES	.08	.08	.08	.08
MIN R (SLAB EDGE TO 24" IN)	5.0	5.0	5.0	5.0
MIN R (BASEMENT WALLS ABOVE GRADE)	SAME AS OTHER EXT WALLS	SAME AS OTHER EXT WALLS	SAME AS OTHER EXT WALLS	SAME AS OTHER EXT WALLS
MIN R (BSMT WALLS FROM GRADE TO 24" BELOW	5.0	5.0	5.0	5.0

NOTE: 1 - FOR RESIDENTIAL BUILDINGS, THE FOLLOWING THERMAL TRANSMITTANCES MAY NOT BE EXCEEDED
EXTERIOR WALLS UW = .08
GLAZING UG = .69
ENTRANCE DOORS UD = .40
2 - FOR BASEMENT WALLS BELOW GRADE, THE "R" VALUE SHALL INCLUDE ALL OF THE THERMAL RESISTANCES OF THE WALL COMPONENTS

CONCRETE WORK

1. CONCRETE MATERIALS, DESIGN AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF STADARD RS 10-3 AND C26-1004.3 OF THE NEW YORK CITY BUILDING CODE UNLESS OTHERWISE NOTED.

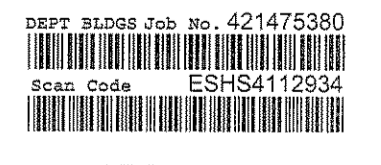
2. CONCRETE MAY BE PROPORTIONED AS PER THE FOLLOWING TABLE:

MIN. COMPRESSION STRENGHT IN 28 DAYS (F° c)	MIN. BAGS OF CEMENT PER CUBIC YARD OF CONCRETE	MAX. PERMISSIBLE WATER CEMENT RATIO U.S. GALLONS PER 94 LB. SACK OF CEMENT	NON AIR ENTRAINED CONC.	AIR ENT NED CON
4,000 PSI	5.5	8	7	
4,000 PSI	6.0	7 1/4	6	

SPECIAL INSPECTIONS:

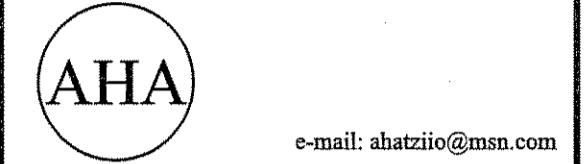
- FIRE STOPS CODE SECTION 27-345
- ENG. VENT. CERT. CODE SECTION 27-779
- MASONRY UNITS CODE SECTION RS10-3 3.2
- CONC TEST CYLINDERS CODE SECTION 27-607 a(1)
- BUILDING COMPLIES WITH CODE SECTION 27-1072.17

NOTE: SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY RETAINED AND PAID FOR BY THE OWNER



Babul Qureshi
OCT 12 2017
EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY, AS PER DIV. NO. 37E

Architect: Anthony Hatzioannou Architect, P.C. R.A., AIA, NCARB Certified
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Zoning
Building Dept. Expediting
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3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

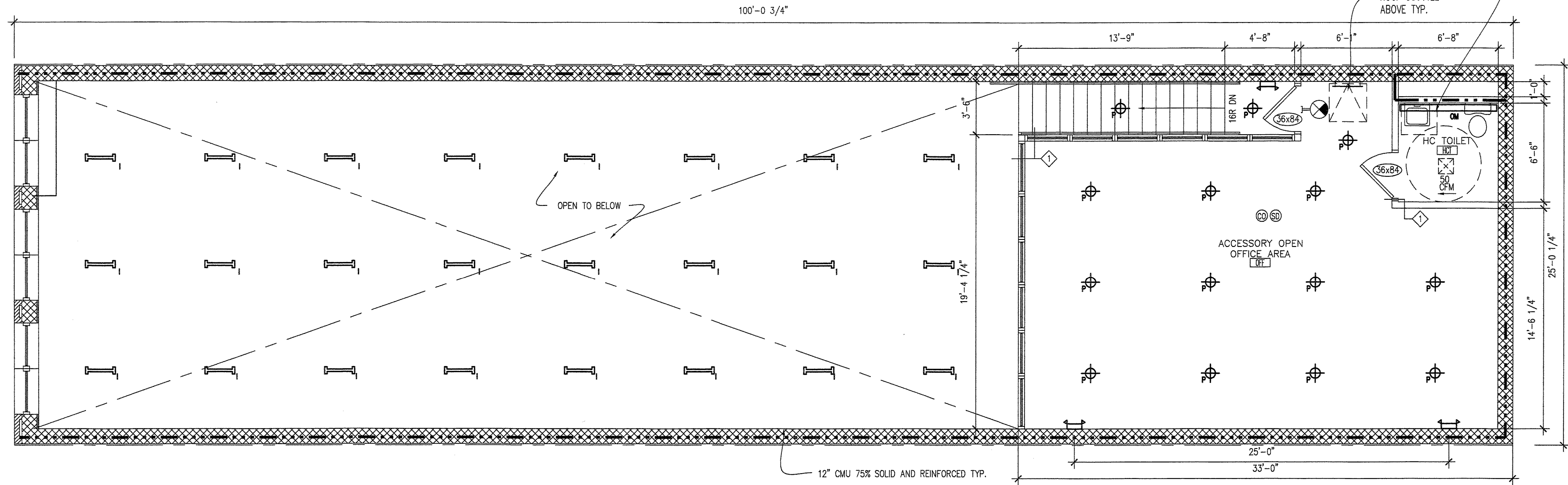
Building Address:
12-17 37 AVENUE,
QUEENS, NY 11101

Block No.: 351 Lot No.: 36
Zone No.: M1-1 Zoning Map No.: 9b

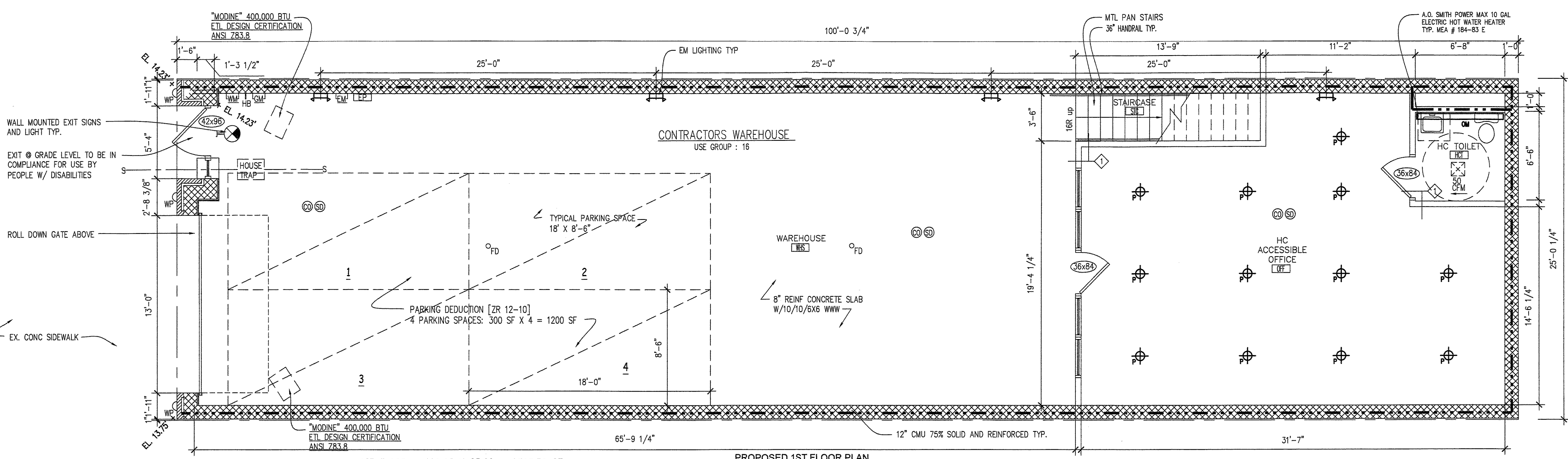
Drawing Title:
SITE PLAN



Date: 1.11.2017
Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED
Drawing No.:
A-025.00
Sheet 9 of 15



PROPOSED MEZZ LEVEL
Scale: 1/4"=1'-0"



PROPOSED 1ST FLOOR PLAN
Scale: 1/4"=1'-0"

- LEGEND:**
- = DENOTES EXISTING CONSTRUCTION TO REMAIN (SEE AW-1 FOR DETAILS)
 - = DENOTES NEW CONSTRUCTION (SEE AW-1 FOR DETAILS)
 - = DENOTES 12" CMU WALL
 - = DENOTES ALL FREESTANDING FURNITURE/EQUIP. N.I.C. (BY OTHERS)
 - = DENOTES 1 HOUR RATED CONSTRUCTION
 - = DENOTES 2 HOUR RATED CONSTRUCTION
 - = DENOTES 3 HOUR RATED CONSTRUCTION
 - = DENOTES SMOKE DETECTORS
 - = DENOTES SPRINKLER HEADS
 - = DENOTES CO DETECTORS PER NYCBC 2008 908.7.1
 - = EXIT SIGN AND LIGHT SW PER SIDE
 - = EMERGENCY LIGHT WALL MOUNTED (30 WTS MIN)

- GENERAL NOTES:**
1. ALL PARTITIONS TO BE TYPE U.G.N. RE PARTITION TYPES FOR ADDITIONAL DETAIL AND INFORMATION.
 2. REFER TO PARTITION TYPES FOR INFORMATION ON RATED ASSEMBLIES.
 3. ALL DIMENSIONS TO BE VERIFIED IN FIELD (TYP.)
 4. REFER TO DWG. INFORMATION FOR ADDITIONAL REQUIREMENTS REGARDING RATED ASSEMBLIES.
 5. ALL FREESTANDING EQUIPMENT/FURNITURE (N.I.C.)
 6. ALL STAIRS, ELEVATOR AND SHAFTS TO HAVE 2 HOUR RATED CONSTRUCTION. SEE INFORMATION AND PARTITION TYPES FOR ADDITIONAL INFORMATION AND DETAILS.
 7. NYCECC COMPLIANCE / NEW YORK CITY ENERGY CONSERVATION CODE: TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH NYCECC 2016 - CHAPTER 24.

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5	9.5.17	Per DOB comments
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

Building Address:
**12-17 37 AVENUE,
QUEENS, NY 11101**

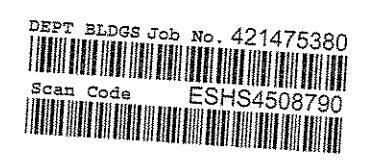
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Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
PROPOSED 1ST FLOOR PLAN

Seal & Signature:

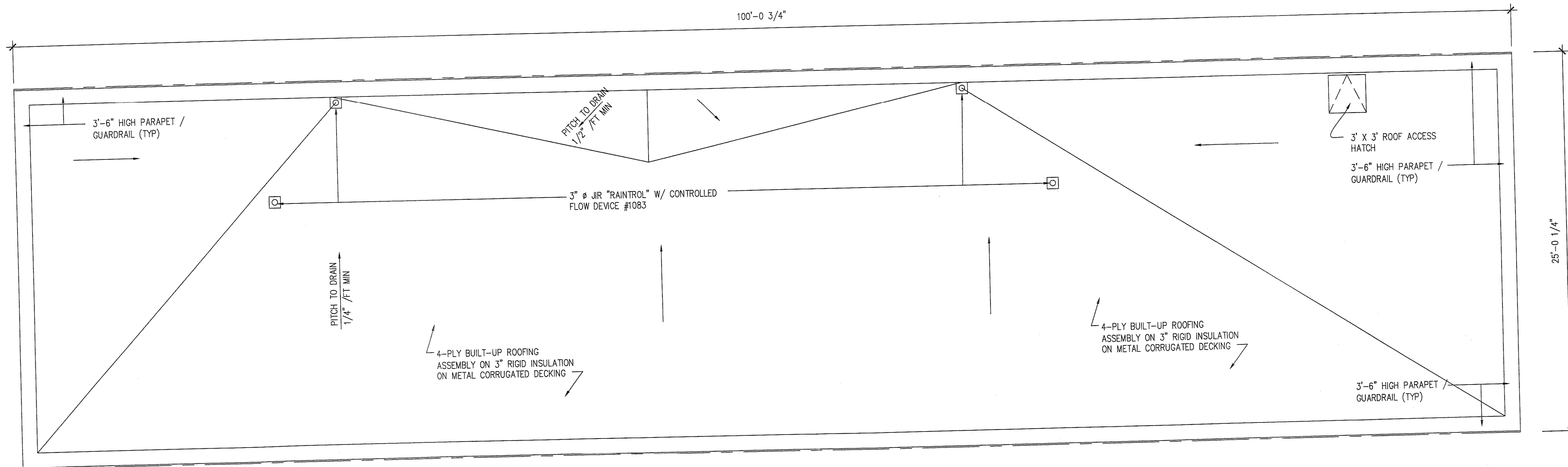


Date:	1.11.2017
Project No:	20170111
Drawn By:	
Checked By:	
Scale:	AS NOTED
Drawing No.:	A-101.00
Sheet	10 of 15



Babul Gureshi
OCT 12 2017

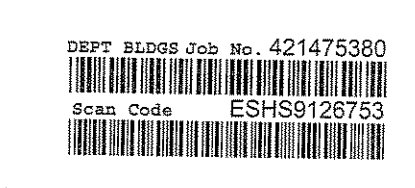
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ROOF PLAN
Scale: 1/4"=1'-0"

- LEGEND:**
- = DENOTES EXISTING CONSTRUCTION TO REMAIN (SEE AW-1 FOR DETAILS)
 - = DENOTES NEW CONSTRUCTION (SEE AW-1 FOR DETAILS)
 - = DENOTES 4" CMU WALL (SEE AW-1 FOR DETAILS) TYP.
 - = DENOTES 8" CMU WALL
 - = DENOTES ALL FREESTANDING FURNITURE/EQUIP. N.I.C. (BY OTHERS)
 - = DENOTES 1 HOUR RATED CONSTRUCTION (SEE AW-1 FOR DETAILS)
 - = DENOTES 2 HOUR RATED CONSTRUCTION (SEE AW-1 FOR DETAILS)
 - = DENOTES SMOKE DETECTORS
 - = DENOTES SPRINKLER HEADS
 - = DENOTES CO DETECTORS PER NYCBC 2008 908.7.1
 - = EXIT SIGN AND LIGHT
 - = EMERGENCY LIGHT WALL MOUNTED (30 WTS MIN)

- GENERAL NOTES:**
1. ALL PARTITIONS TO BE TYPE U.O.N. RE: PARTITION TYPES FOR ADDITIONAL DETAIL AND INFORMATION.
 2. REFER TO PARTITION TYPES FOR INFORMATION ON RATED ASSEMBLIES.
 3. ALL DIMENSIONS TO BE VERIFIED IN FIELD (TYP.)
 4. REFER TO DWG. INFORMATION FOR ADDITIONAL REQUIREMENTS REGARDING RATED ASSEMBLIES.
 5. ALL FREESTANDING EQUIPMENT/FURNITURE (N.I.C.)
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 7. NYCECC COMPLIANCE / NEW YORK CITY ENERGY CONSERVATION CODE: TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH NYCECC 2016 - CHAPTER 04.



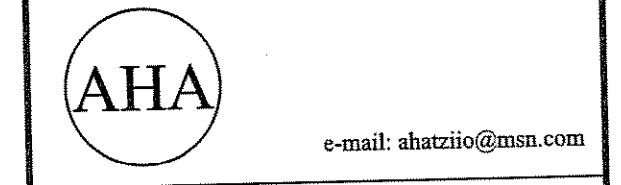
Babul Qureshi
OCT 12 2017
EXERCISED FOR ZONING, SUBSIS AND FIRE PREVENTION ONLY, AS PER DCR NO. 272

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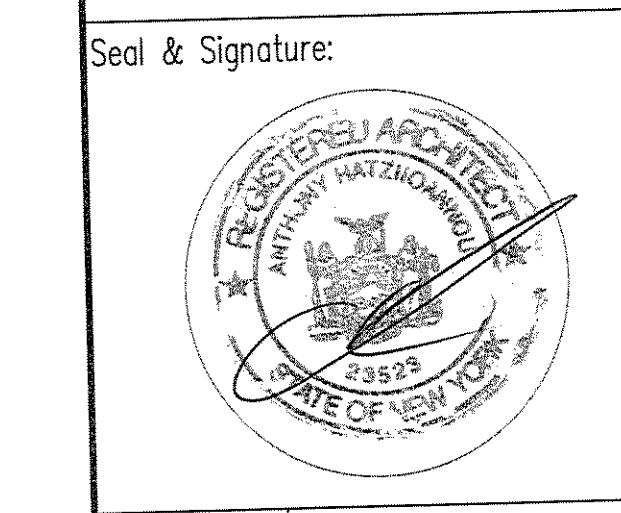
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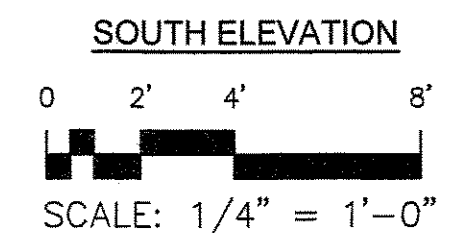
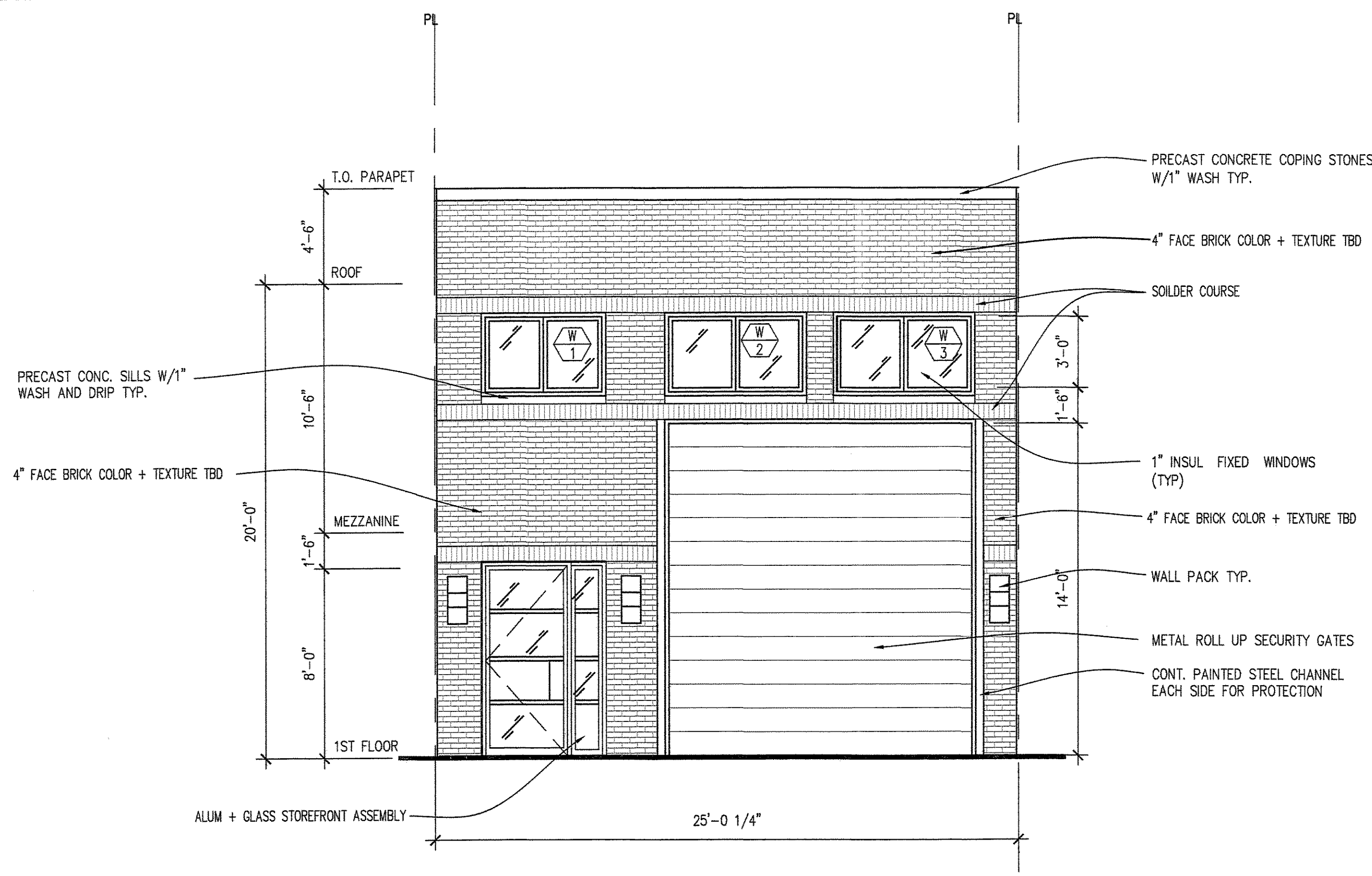
Building Address:
12-17 37 AVENUE,
QUEENS, NY 11101

Block No.: 351 Lot No.: 36
Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
ROOF PLAN



Date: 1.11.2017
Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED
Drawing No.: A-102.00
Sheet 11 of 15



NOTES:

1. ALL WINDOWS SHALL BE ALUM FRAME, INSULATED, DOUBLE GLAZED W/THERMAL BREAK AND LOW-E GLAZING BY PELLA [OR EQUAL] WITH THE FOLLOWING MIN. PERFORMANCE RATINGS:

U-FACTOR	SHGC	AIR LEAKAGE RATING
0.28	0.21	≤ 0.2 CFM/SF

2. ALL WINDOWS SHALL BE INSTALL WITH FLASHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT AND CAULKING AT ROUGH OPENING/WINDOW FRAME JOINTS TO CREATE A CONT. AIR BARRIER WITH SURROUNDING WALL SYSTEM.

3. ALL EXTERIOR DOORS SHALL BE ALUM/GLASS - BY PELLA [OR EQUAL] & INSULATED ALUM METAL, WITH THE FOLLOWING MIN. PERFORMANCE RATINGS:

TYPE	U-FACTOR	SHGC	AIR LEAKAGE RATING
ALUM/GLASS	0.30	0.12	≤ 0.2 CFM/SF
Insulated Alum	.20	NA	NA

4. AIR LEAKAGE: CONTRACTOR SHALL PROVIDE FLASHING, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING, AT ALL DOORS, DOOR FRAME JOINTS, OUTDOOR AIR INTAKE AND EXHAUST DAMPERS, WEATHERSEALS, VESTIBULES AND RECESSED LIGHTING SEALS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING WALL SYSTEM/THERMAL ENVELOPE

TABLE C402.4 BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS

CLIMATE ZONE	4	5	6
Vertical fenestration			
U-factor			
Fixed fenestration	0.38	0.38	0.36
Operable fenestration	0.45	0.45	0.43
Entrance doors	0.77	0.77	0.77
SHGC			
PF < 0.2		0.40	
0.2 ≤ PF < 0.5		0.48	
PF ≥ 0.5		0.64	
Skylights			
U-factor	0.50	0.50	0.50
SHGC	0.40	0.40	0.40

C402.5 Air leakage—thermal 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, C402.5.6 and C402.5.7.

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.

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/s) 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.



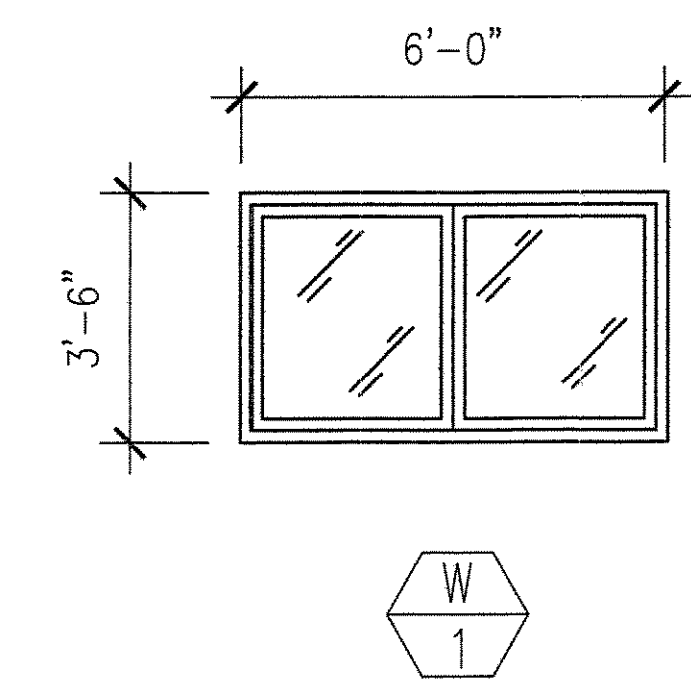
WINDOW SCHEDULE:

M.O. / WINDOW NUMBER	TYPE	MATERIAL	WINDOW ELEV.	MASONRY OPENING		GLASS TYPE	U-FACTOR	SHGC	AIR LEAKAGE	MANUFACTURER	REMARKS
				WIDTH	HEIGHT						
W1	FIXED	ALUM.	W-1	6'-0"	3'-6"	IGU, LOW-E CLEAR	0.28	0.21	0.20 cfm/SF	Pella	1
W2	FIXED	ALUM.	W-1	6'-0"	3'-6"	IGU, LOW-E CLEAR	0.28	0.21	0.20 cfm/SF	Pella	1
W3	FIXED	ALUM.	W-1	6'-0"	3'-6"	IGU, LOW-E CLEAR	0.28	0.21	0.20 cfm/SF	Pella	1

NOTES:
1. AIR LEAKAGE: PROVIDE FLASHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING/WINDOW FRAME TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING WALL SYSTEM.
2. ALL MASONRY OPENING DIMENSIONS SHALL BE VERIFIED IN FIELD (V.I.F.) AND REFLECTED IN THE REQUIRED SHOP DRAWINGS.

WINDOW SCHEDULE

SCALE: NTS



WINDOW ELEVATIONS

SCALE: 1/4"=1'-0"

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Building Address:
12-17 37 AVENUE,
QUEENS, NY 11101

Block No.: 351 Lot No.: 36
Zone No.: M1-1 Zoning Map No.: 9b

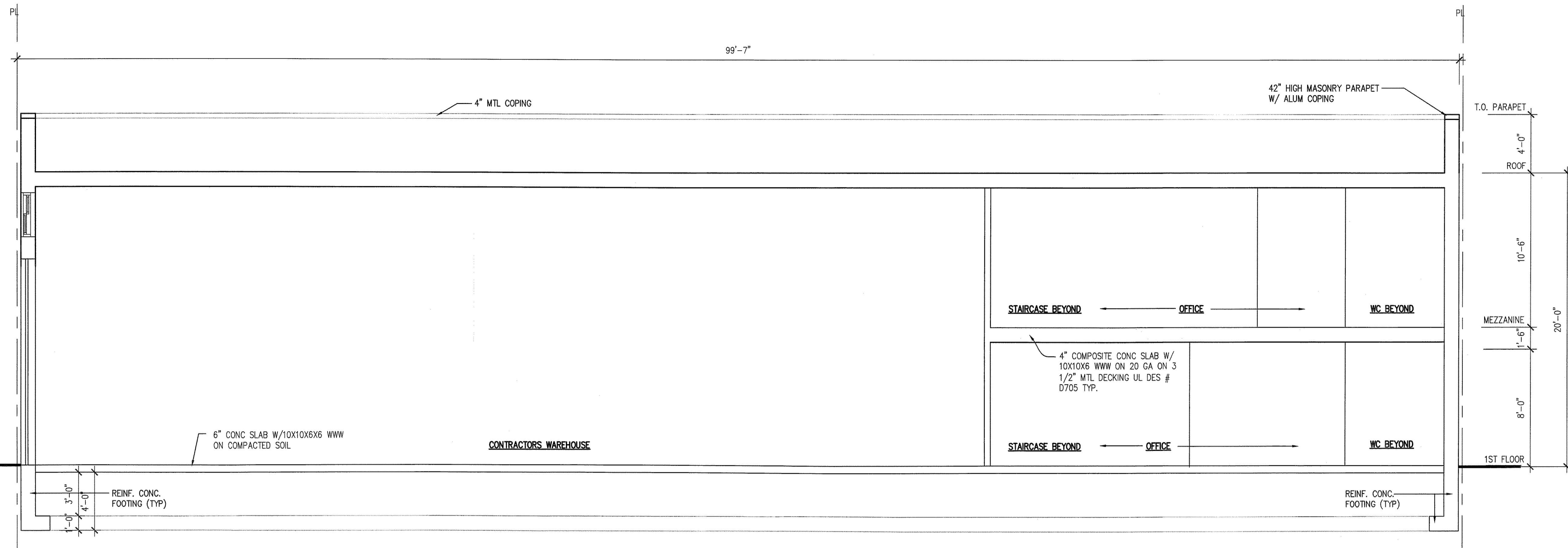
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AND RISER DIAGRAM

Seal & Signature:

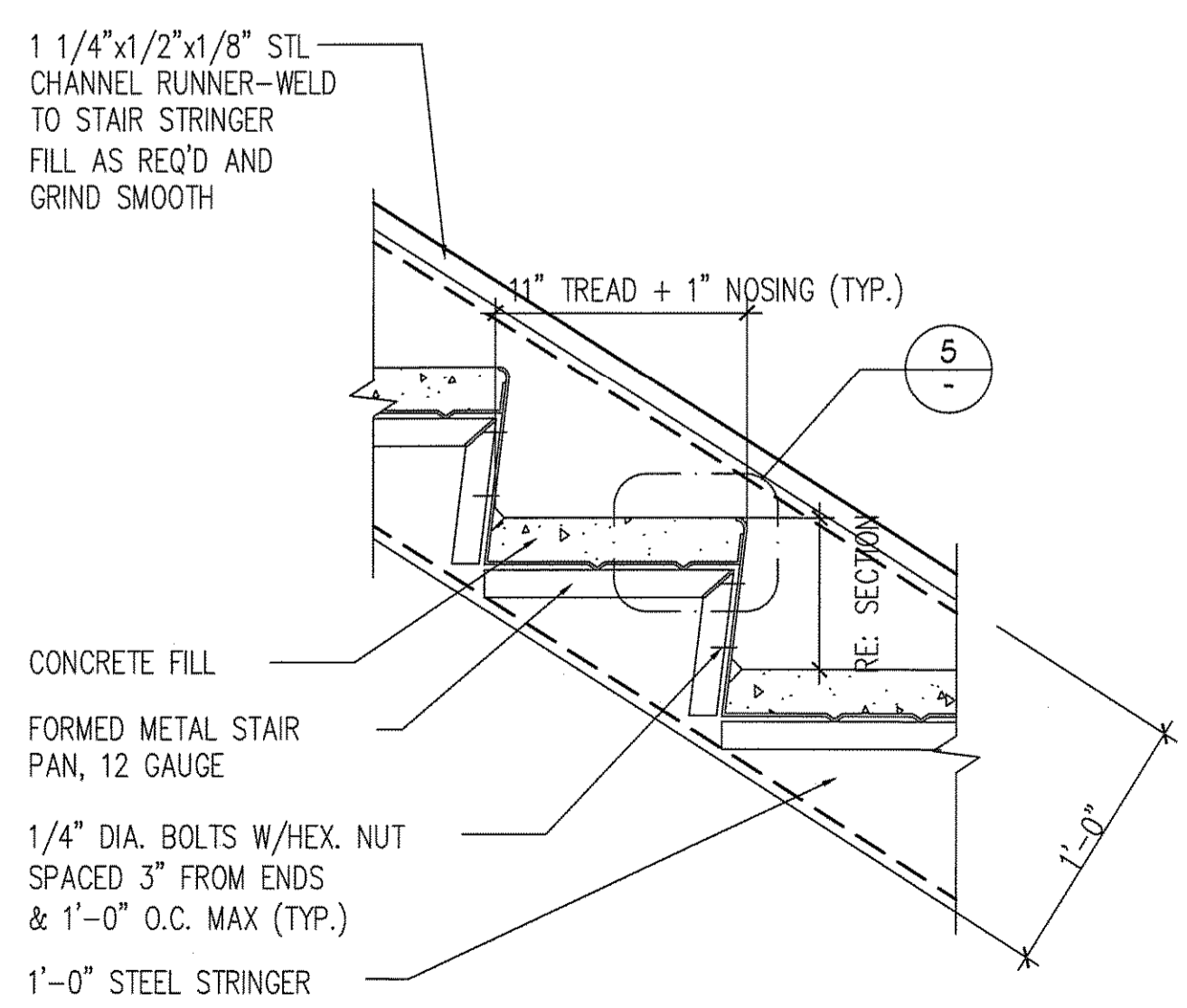
Date: 1.11.2017
Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED
Drawing No.:
A-201.00
Sheet 12 of 15

Gabriel Qureshi
OCT 12 2017
EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY, AS PER DTD NO. 078

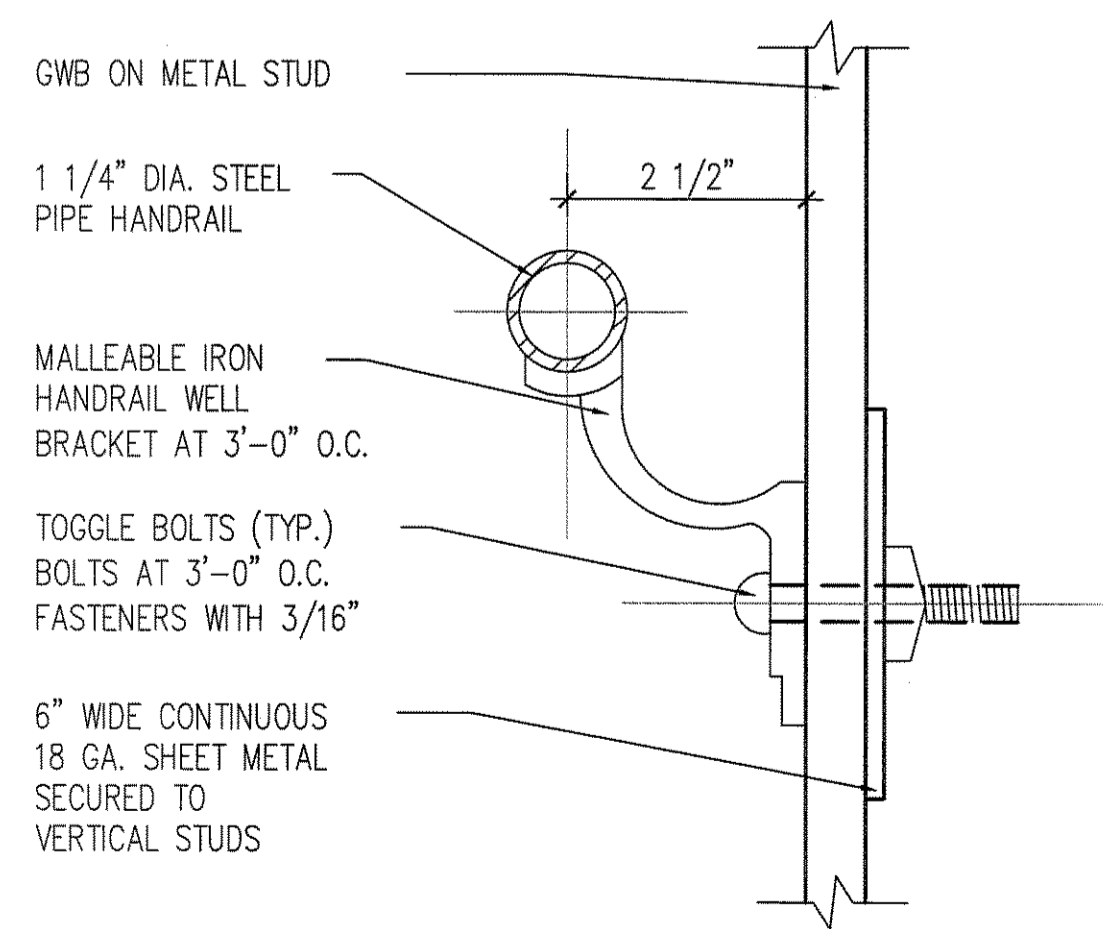
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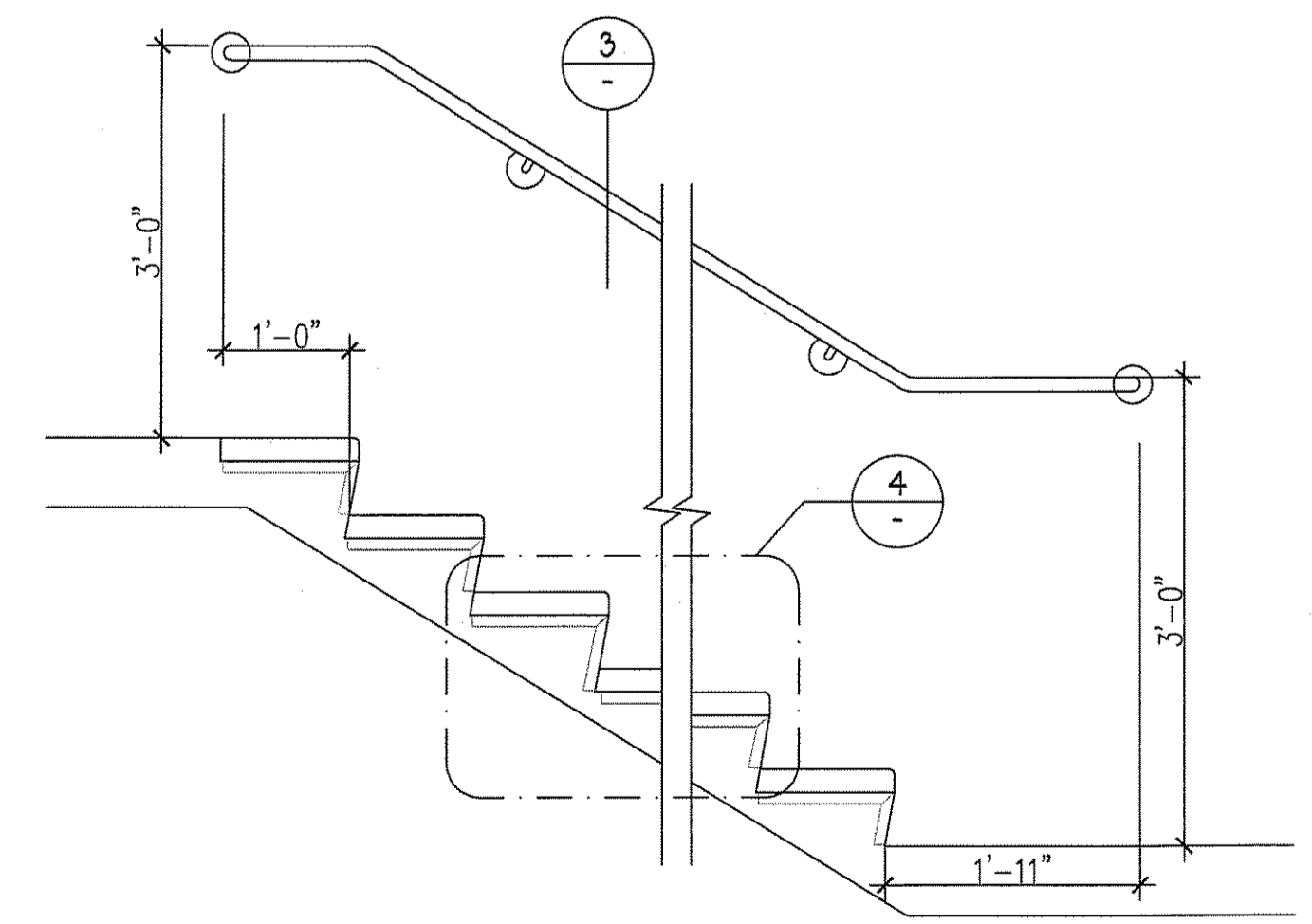
1 BUILDING SECTION
SCALE: 1/4" = 1'-0"



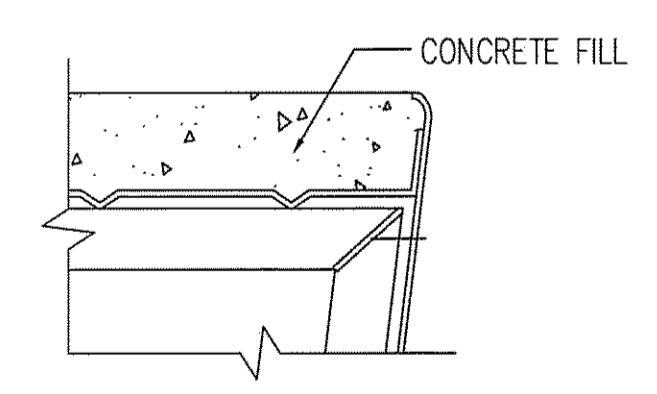
4 DETAIL
SCALE: 6" = 1'-0"



3 DETAIL
SCALE: 6" = 1'-0"



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



5 DETAIL
SCALE: 6" = 1'-0"

Babul Qureshi
OCT 12 2017
EXAMINED FOR ZONING, CODES AND FIRE PREVENTION ONLY, AS PER OUR NO. 275

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Urban Design
Interior Design
Code Consultant
Zoning
Building Dept.
Expediting

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AHA

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QUEENS, NY 11101

Block No.: 351 Lot No.: 36
Zone No.: M1-1 Zoning Map No.: 9b

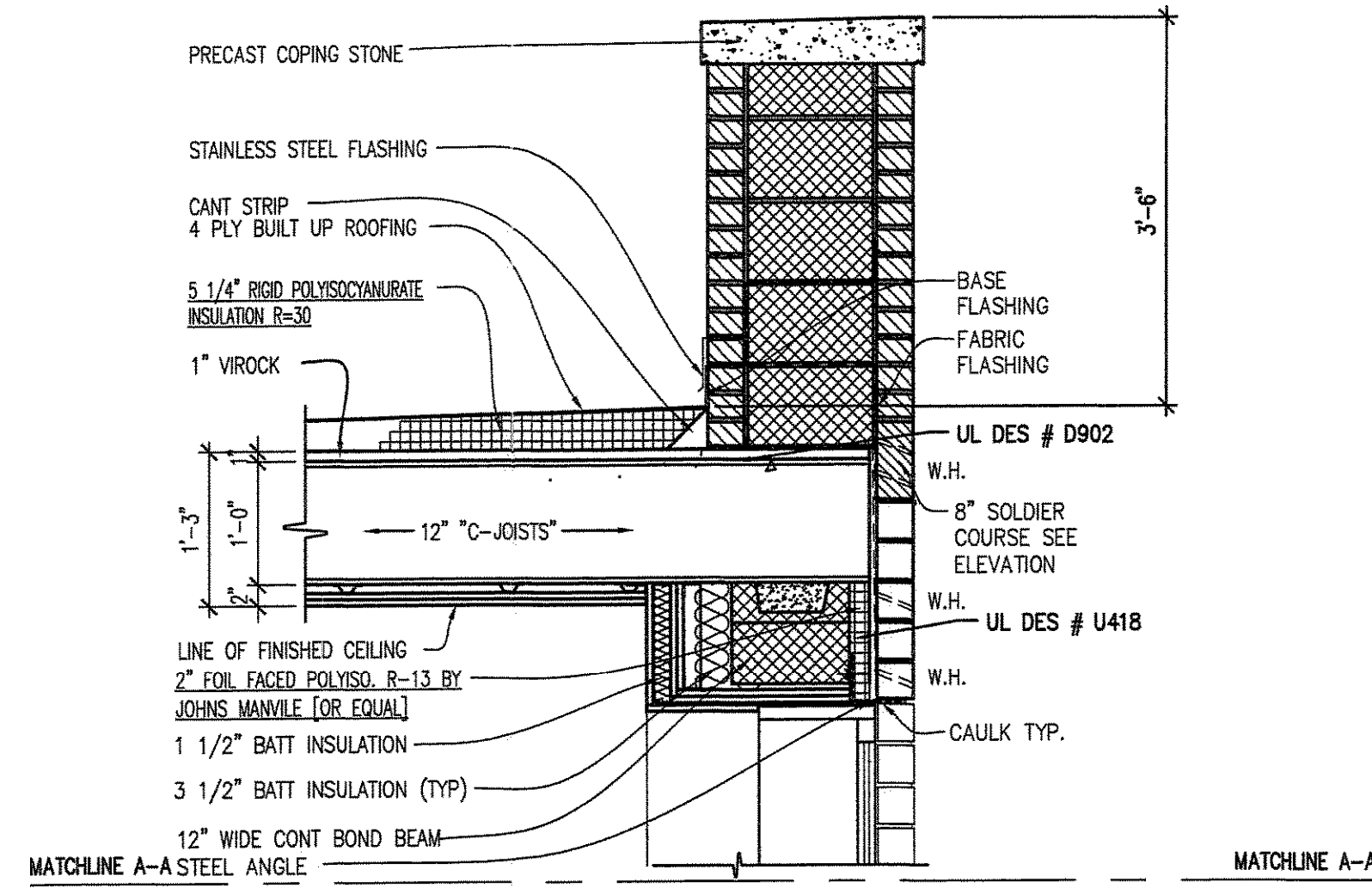
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AND MISC DETAILS

Seal & Signature:

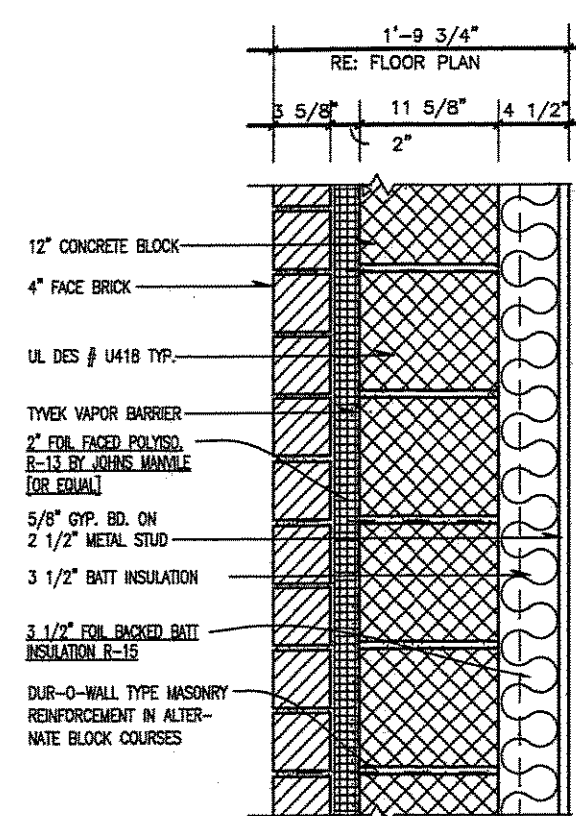
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Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED
Drawing No.: A-202.00

Sheet 1/3 of 13

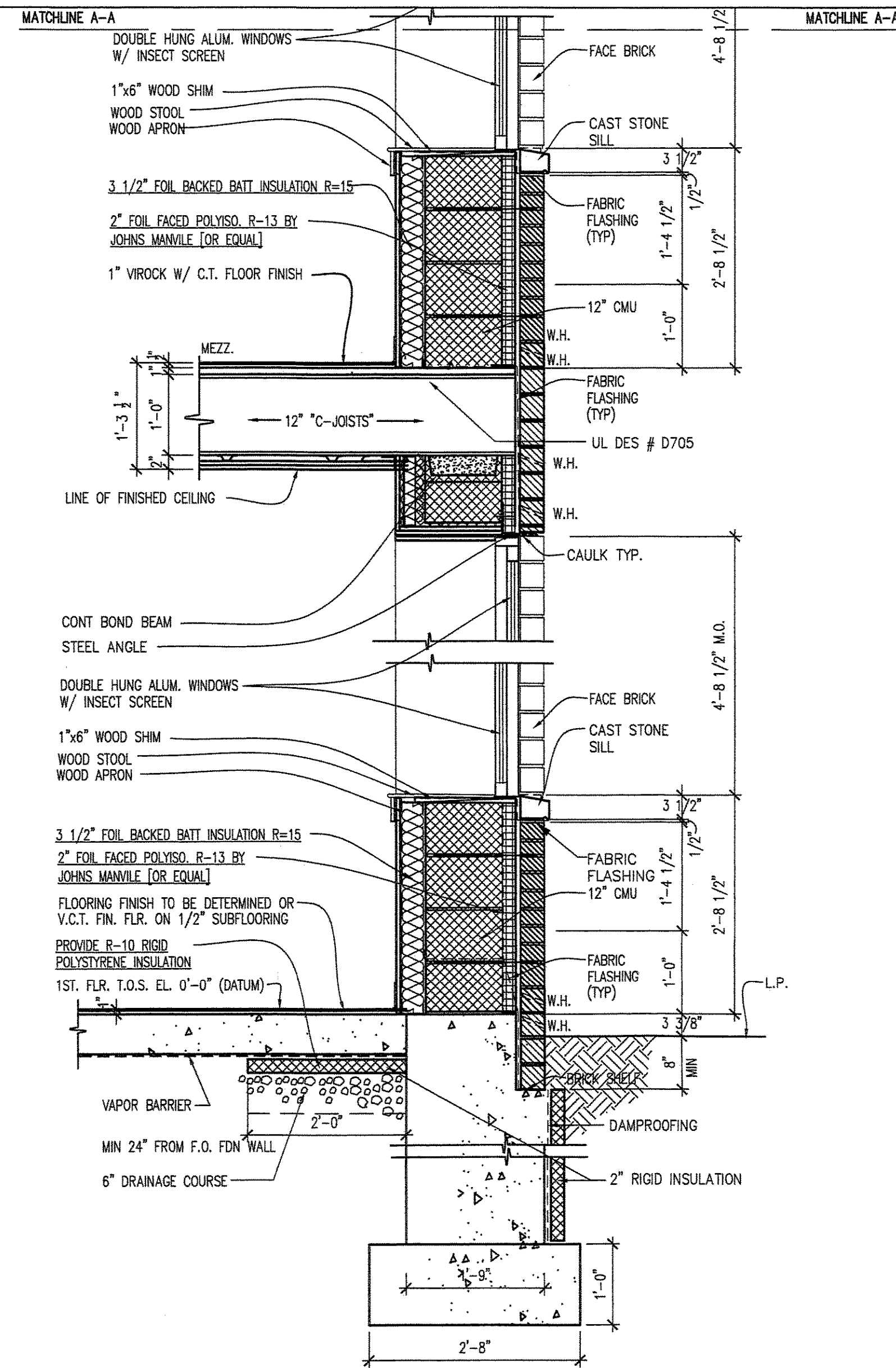
L:\V\WG\AHA\Varakans\12-17 37 ave warehouse 20161116\202 BUILDING SECTION.dwg 06/14/17 - 11:25am



1B WALL SECTION
SCALE : 3/4" = 1'-0"



3 TYP WALL DETAIL
SCALE : 1/2" = 1'-0"



1A WALL SECTION
SCALE : 3/4" = 1'-0"

Administrative Code Analysis

Occupancy group 16 WAREHOUSE
Construction Class IB

Fire Rating of Construction Elements, Table 3-4 (Unsprinklered)

Exterior Bearing Walls	3 hour	UL DES U418
Columns	2 hour	UL DES U906
Floor Construction	2 hour	UL DES D705
Roof Construction	1 1/2 hour	UL DES D902
Stair Enclosure	2 hour	UL DES U906

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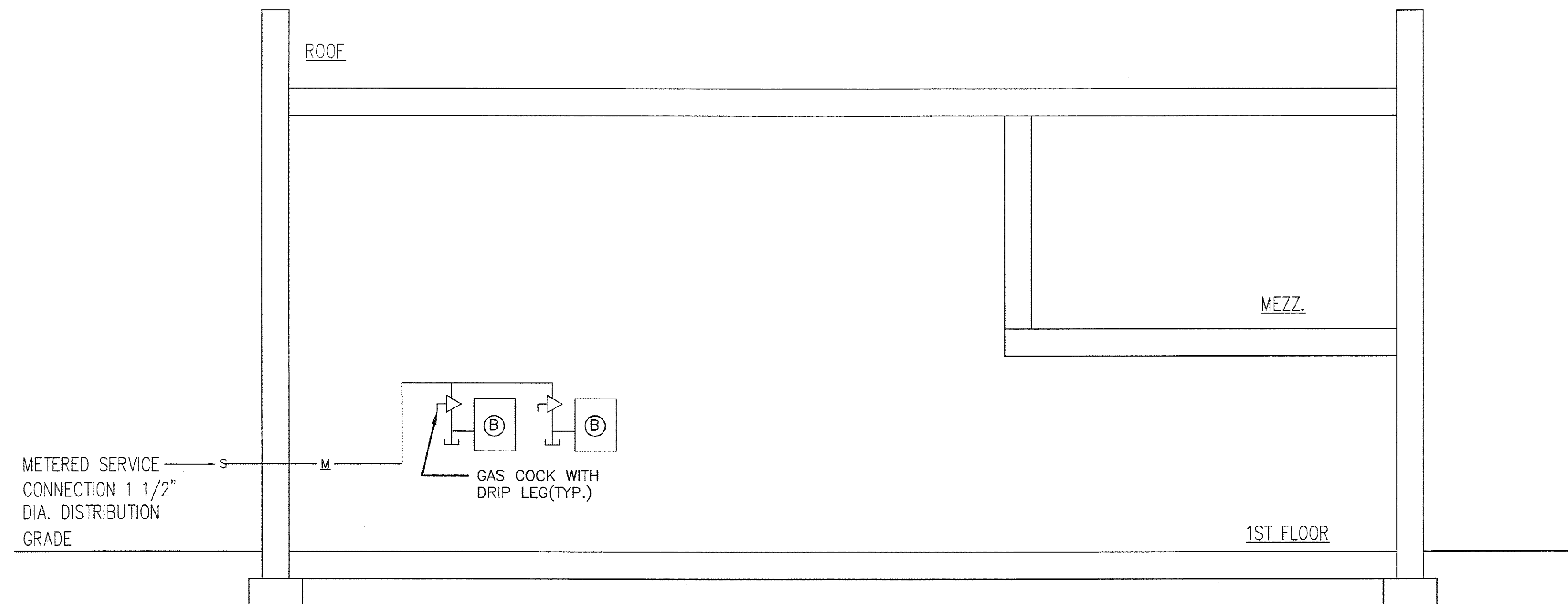
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Seal & Signature:

Date: 1.11.2017
Project No: 20170111
Drawn By:
Checked By:
Scale: AS NOTED
Drawing No.: **A-301.00**
Sheet 4 of 15

Babul Qureshi
OCT 12 2017
EXAMINED FOR ZONING, CODES AND FIRE PREVENTION ONLY, AS PER OUR REG. 2015

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(A) "YORK" 125,000 BTU COLMAN MODEL #
 DATD7060N135 MEA # 99-97-E VOL III

NATURAL GAS RISER DIAGRAM
 SCALE: N.T.S.

GENERAL NOTES

- ALL GAS PIPING SHALL BE RUN INSIDE OF THE BUILDING BY LICENSED AND INSURED PLUMBING CONTRACTOR.
- ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL SUPPORTED AND SIZED FOR PRESSURE DROP OF NOT OVER .5" W.C. AT SPECIFIC GRAVITY OF .60 NO FLEXIBLE CONNECTIONS ARE TO BE USED UNLESS NOTED OTHERWISE. PROVIDE GAS COCK AND DRIP LEG FOR EACH PIECE OF EQUIPMENT. THREADED MALLEABLE IRON FITTINGS SHALL BE USED SEAL PIPE TIGHT WITH TEFLON AND PERMATEX.
- PRESSURE TEST PIPING AT 9" PSI AIR FOR A PERIOD OF 2HRS MAXIMUM IF ANY DROP AT PRESSURE GAUGE FIND LEAK WITH SOAP AND WATER AND SEAL LEAK AS REQUIRED, AND RISE PIPE WITH WATER. TEST AGAIN AS REQUIRED.
- GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FUEL GAS CODE ANSI Z223.1 NFPA 54, 58 AND LOCAL AUTHORITIES HAVING JURISDICTION.
- PROVIDE NEW GAS SERVICE TO NEW RITE AID EQUIPMENT. COORDINATE WITH UTILITY AND ARRANGE GAS TRAIN AS NEEDED.
- ALL EXPOSED GAS PIPING TO BE PAINTED.

PLUMBING CONTRACTOR'S NATURAL GAS SPECIFICATIONS
 QUALITY ASSURANCE

- COMPLY WITH THE RULES AND REGULATIONS OF THE GAS COMPANY
- WHEN WELDING IS TO BE PERFORMED AS PART OF THE WORK COVERED IN THIS SPECIFICATION, THE CONTRACTOR BEFORE ASSIGNING ANY WELDER FOR THIS WORK SHALL PROVIDE THE AUTHORITY WITH THE NAMES OF WELDERS TO BE EMPLOYED FOR THIS WORK, TOGETHER WITH CERTIFICATION THAT EACH OF THESE WELDERS HAS PASSED QUALIFICATION TESTS.

PRODUCTS
MATERIALS

- GAS PIPING INSIDE THE BUILDING SHALL BE STANDARD WEIGHT (SCHEDULE 40) BLACK STEEL PIPE, OUTSIDE THE BUILDING SHALL BE EXTRA HEAVY, SCHEDULE 80 BLACK STEEL PIPE OR AS RECOMMENDED BY THE UTILITY. GAS CONTROL, VENT AND RELIEF PIPING SHALL BE EXTRA HEAVY, SCHEDULE 80 BLACK STEEL PIPE.
- IN NO CASE SHALL ANY GAS PIPE BE LESS THAN 3/4". THE SIZES OF PIPE INDICATE NOMINAL PIPE SIZE.
- GAS DISTRIBUTION PIPING FOR SYSTEMS OPERATING AT 1/2 PSIG OR LESS SHALL BE IN ACCORDANCE WITH NEW YORK STATE REQUIREMENTS AND ANSI Z223.1, NATIONAL FUEL CODE.
- GAS DISTRIBUTION PIPING SYSTEMS HAVING A GAS PRESSURE ABOVE 1/2 PSIG SHALL CONFORM TO ANSI B31.2-1968, FUEL GAS PIPING.
- MATERIALS USED IN GAS SERVICE AND METER PIPING SYSTEMS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS AS SPECIFIED BY THE GAS UTILITY COMPANY PROVIDING THE SERVICES.

- PIPING JOINTS FOR GAS DISTRIBUTION PIPING:
 - PIPING AT 1/2 PSIG (14' W.C.) AND LESS:
 - 4' AND SMALLER.....SCREWED
 - OVER 4'.....WELDED
 - PIPING OVER 1/2 PSIG (14' W.C.) TO AND INCLUDING 3 PSIG:
 - UNDER 4'SCREWED
 - 4' AND LARGER.....WELDED
- ALL WELDED GAS DISTRIBUTION PIPING SHALL BE SUBJECT TO INSPECTION.

- FITTINGS
 - FITTINGS FOR SCREWED GAS PIPING SHALL BE 150 LBS. BLACK MALLEABLE IRON FITTINGS, CONFORMING TO ASTM SPECIFICATIONS A-197, LATEST EDITION.
 - COMPRESSION TYPE FITTINGS AND STEEL WELDING FITTINGS SHALL BE AS SPECIFIED AND APPROVED BY THE GAS COMPANY.
 - STEEL BUTT WELDING FITTINGS SHALL CONFORM TO ANSI B16.9 REQUIREMENTS.
 - FITTING FOR CONTROL, VENT AND RELIEF PIPING SHALL BE 300 LB. BLACK MALLEABLE IRON SCREWED FITTINGS CONFORMING TO ASTM SPECIFICATION 997, LATEST EDITION.

- GAS LUBRICATED PLUG VALVES**
- LUBRICATED PLUG VALVES FOR USE ON GAS SERVICE AND GAS METER PIPING SHALL BE AS APPROVED BY THE GAS COMPANY.
 - LUBRICATED PLUG VALVES FOR USE ON GAS DISTRIBUTION PIPING, MAINS, BRANCHES AND BASE OF RISERS SHALL BE CAST IRON BODY, REGULAR PATTERN, RATED FOR 200 POUNDS COLD WORKING PRESSURE AND SHALL BE WRENCH OPERATED, EXCEPT VALVES 10" AND LARGER WHICH SHALL BE WORM GEAR OPERATED.
 - LUBRICATED PLUG VALVES 2" AND SMALLER SHALL BE THREADED, 2 1/2" AND LARGER SHALL BE FLANGED.
 - LUBRICATED PLUG VALVES SHALL BE NORSTROM VALVES INC. FIG. 114 FOR SIZES 2" AND SMALLER, FIG. 115 FOR SIZES 2 1/2" THRU 4" INCLUSIVE, FIG. 165 FOR SIZES 6" AND 8", AND FIG. 169 FOR SIZES 10" AND LARGER.

GAS COCKS

- GAS COCKS FOR USE AS MANUAL GAS SHUTOFF VALVE AT EACH PIECE OF GAS BURNING EQUIPMENT SHALL BE OF THE PLUG TYPE, BRONZE CONSTRUCTION WITH CHECK, NUT AND WASHER BOTTOM AND TEE HANDLE.
- GAS COCKS SHALL BE FIG. 10596 AS MANUFACTURED BY A.Y. MC DONALD MFG. CO., OR SERIES 52 AS MANUFACTURED BY

EXECUTION

GENERAL

- MAKE THE NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY TO BRING CONNECTION TO POINTS SHOWN ON THE DRAWINGS, OR AS REQUIRED BY THE UTILITY COMPANY AND PROVIDE THE NECESSARY PIPE, FITTINGS, VALVES, SERVICE, COCKS, GOVERNORS, ETC., TO EXTEND THESE SERVICES TO THE GAS SYSTEM.
- EXACT LOCATIONS OF GAS SERVICE AT PROPERTY LINE SHALL BE SECURED FROM THE UTILITY COMPANY BY THIS DIVISION AND SHALL BE COORDINATED WITH ELECTRIC SERVICE LOCATION, SEWERS AND WATER SERVICE.
- AS PART OF THE GAS SERVICE AND METER PIPING CERTAIN EQUIPMENT, SUCH AS METERS, REGULATORS, SECURITY VALVES, PLUG VALVES, RELIEF VALVES AND COMPRESSION COUPLING WILL BE FURNISHED BY THE UTILITY COMPANY, HOWEVER, THIS CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EQUIPMENT AND MATERIALS NOT FURNISHED BY THE UTILITY COMPANY, TO MAKE THIS SERVICE COMPLETE.
- GAS SERVICE SHALL BE EXTENDED FROM THE PROPERTY LINE INTO THE BUILDING. GAS SERVICE LINE SHALL PITCH TOWARD THE BUILDING AND BE PROVIDED WITH DRIP LEG AND PLUGGED OUTLET, OR DRIP POT, AS REQUIRED.

INSTALLATION

- GAS SERVICE AND GAS DISTRIBUTION PIPING, NUMBER AND DISTRIBUTION OF APPLIANCES, SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS AND SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE GAS COMPANY.
- THE CONTRACTOR SHALL NOTIFY THE AUTHORITY WHEN ALL IS READY FOR THE GAS COMPANY TO EXTEND THEIR SERVICE PIPE TO THE STREET LINE; AND AGAIN AFTER TESTS, WHEN ALL IS IN READINESS FOR THE INSTALLATION OF THE METERS. THE METERS SHALL THEN BE CONNECTED WITH THE SERVICE PIPES, AND WITH THE SEVERAL LINES OF DISTRIBUTING PIPES. THE SETTING, PIPING AND CONNECTING UP OF THE METERS SHALL BE DONE IN ACCORDANCE WITH THE RULES OF THE GAS COMPANY.

GAS METER PIPING SUPPLYING GAS TO A BUILDING AT A PRESSURE IN EXCESS OF 1/2 PSIG SHALL BE PROVIDED WITH A PRESSURE REGULATOR TO REDUCE THE GAS PRESSURE TO 1/2 PSIG OR LESS UNLESS NOTED OTHERWISE. PROVIDE GAS LUBRICATED PLUG VALVES WHERE SPECIFIED OR SHOWN

E. ON DRAWINGS IN THE DISTRIBUTION PIPING, MAINS, BRANCHES AND AT THE BASE OF EACH RISER, INSTALL SLEEVES IN FLOORS FOR RISERS TO AN ACCESSIBLE MANUAL GAS COCK OF THE SAME SIZE AS PASS THROUGH THE PIPE SHALL BE INSTALLED AT EACH PIECE OF GAS BURNING EQUIPMENT, TO ALLOW FOR ISOLATION OF THE EQUIPMENT AND WHERE INDICATED ON DRAWINGS. ALL VALVES AND COCKS FOR GAS THROUGHOUT THE BUILDING SHALL BE TAGGED WITH NUMBERED METAL TAGS. INSTALL DRIP, CONSISTING OF NIPPLE AND CAP, AT THE BASE OF ALL RISERS AND CHANGES IN ELEVATION.

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THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. ANTHONY HATZIOANNOU ARCHITECT, P.C. AND ITS PRINCIPAL EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Rev. #	Date	Submissions
4	6.6.17	Per DOB comments
3	3.21.17	Per owners comments
2	2.1.17	Per owners comments
1	1.12.17	Per owners comments

Building Address:
 12-17 37 AVENUE,
 QUEENS, NY 11101

Block No.: 351 Lot No.: 36
 Zone No.: M1-1 Zoning Map No.: 9b

Drawing Title:
 GAS RISER DIAGRAM +
 SPECIFICATIONS

Seal & Signature:

Date:	1.11.2017
Project No:	20170111
Drawn By:	
Checked By:	
Scale:	AS NOTED
Drawing No.:	A-401.00
Sheet	15 of 15

Babui Qureshi
 OCT 12 2017
 EXAMINED FOR ZONING, CODES AND PREVENTION ONLY, AS PER US 110.078

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