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MANHATTAN
280 BROADWAY, 3RD FLOOR
NEW YORK, NY 10007

BRONX
1932 ARTHUR AVENUE
BRONX, NY 10457

BROOKLYN
210 JORALEMON STREET
BROOKLYN, NY 11201

QUEENS
120-55 QUEENS BLVD
QUEENS, NY 11424

STATEN ISLAND
BORO HALL, ST. GEORGE
STATEN ISLAND, NY 10301

DEVELOPMENT HUB
80 CENTRE STREET, 3RD FLOOR
NEW YORK, NY 10013

Notice of Energy Code Objections

Applicant: DARIO PASQUARIELLO DARIO ARCHITECTURE AND DESIGN 466 COLUMBIA AVE CLIFFSIDE PARK NJ 07010 AKLIMENTA@GMAIL.COM 201-469-7625		BIS Job #: 220717927 DOB Now Job Filing #: (MS) DOB Now Job Filing #: (PL) DOB Now Job Filing #: (BE)		PAA Doc #:	
Applicant (MS): enter name		Job Type: New Building			
Date Filed: 1/15/2020 Filing Rep: DARIO ARCHITECTURE AND DESIGN 201-469-7625 aklimenta@gmail.com		Application Type: Commercial - 2016 NYCECC Address: 286 EAST 163 ST BRONX NY Zoning District: R7-1			
Lead Plan Examiner: AYW AYODEJI AWE ECC Plan Examiner: Duncan Brown - dbrown@buildings.nyc.gov Code Compliance Path: NYCECC Energy Analysis: Tabular Analysis		Zoning Area (sq.ft.): 12,491 Building Height (ft.): 60 Building Stories: 6 Occupancy Classification: R-2 - RESIDENTIAL: APARTMENT HOUSE Installed Heating (MBH): Applicant to Specify Installed Cooling (MBH): Applicant to Specify		Dwelling Units: 18	
Job Description: PROPOSED SIX STORY RESIDENTIAL BUILDING 18 DWELLING UNITS. ENTIRE BUILDING TO BE SPRINKLERED					

1) Review Date: 2/3/2020 **Review Result:** OPEN Issues

BRONX Borough-filed job application

Instruction for Applicants to resolve objection comments

- Prepare revised documents below:
 - Documents revised to address all listed comments
 - AI1 listing all objections by the number, and describing how/where in the revised documents the applicant addressed each objection comment
- Email to schedule an energy code re-review:
 - To the ECC Plan Examiner noted above
 - Listing this Job application no. and Premises address in the subject line of the email

Obj. No.	Code Section	Requirements for Compliance	Comments	Date Accepted
Administrative				
1	DOB	TR8 correctly reported for the job: (a) Section 3 All Required progress inspections indicated 'Yes' (b) Section 4 Commissioning requirement correctly indicated	Confirm total installed heating, include DHW	
2	DOB Now	In-Conjunction DOB Now filing (MS/PL/BE) Supporting Documentation (construction documents) covering all proposed work scope - Separately filed under DOB Now, and - DOB Now job filing numbers provided		
Professional Statement				
3	101.5.2.1	Professional Statement provided correctly on drawings as applicable: (a) Correct code version – 2016 NYCECC – cited in the statement (b) For ASHRAE-following jobs, correctly stated "... in compliance with 2016 NYCECC by application of ASHRAE 90.1-2013 as modified by Appendix CA."		2/3/2020
Energy Analysis (EN Drawings)				
4	1RCNY §5000-01 (d)	Code Compliance Path (a) A single code path, either - 2016 NYCECC, or - ASHRAE 90.1-2013 as modified by Appendix CA followed in its entirety throughout the Energy Analysis of all systems (b) Compliance with Outdated code version (e.g., 2014 NYCECC) Not acceptable (c) Compliance with IECC version Not acceptable	ASHRAE might be required based on economizer requirements	
5	1RCNY §5000-01 (h)	Required Progress Inspections (Table I for Residential, Table II for Commercial building) listed on drawings in tabular format to match TR8-section 3	update for 2016	
6	C403.2.11 C404.11 C408	System Commissioning noted on drawings: (a) A statement provided to indicate whether System Commissioning is required (b) Total installed Cooling and Heating (HVAC and SWH) capacity specified by the Commissioning Statement (plus, Renewable energy capacity if proposed) (c) All systems (incl. Lighting & Power) requiring Commissioning correctly specified	confirm total installed heating	
Supporting Documentation				
Envelope				

7	C402 1RCNY §5000-01 (g)(1)	Opaque Envelope Components R-values and/or U-factors with sufficient assembly details called-out on drawings to meet requirements (a) Roofs (b) Walls, above-grade and below-grade (c) Floors and/or Slab-on-Grade (d) Opaque doors	provide U-factors for roof assembly, provide weighted U-factor at mtl stud and cmu to account for joist depth. Address continuous exterior insulation at adjacent building/ lot-line wall.	
Mechanical: HVAC & Service Water Heating				
8	DOB/ DOB Now	PENDING Review on Mechanical Systems	• Submit Supporting Documentation (full construction documents) and Energy Analysis corresponding to the proposed scope of work. • If filed through DOB Now, provide In-Conjunction DOB Now job (MS/PL/BE as applicable) filing numbers.	
9	C403.2.1 C403.2.2	Equipment Sizing Statement provided on drawings by referencing procedures in the ANSI/ASHRAE/ACCA Standard 183 for calculation of heating and cooling design loads		
10	C403.2.3 C404.2	Efficiency values/ Performance Ratings specified in mechanical schedules and/or notes in the measurement unit prescribed on the corresponding equipment code table: (a) HVAC systems (b) Service water heating systems		
11	C403.2.4 C404.3 C404.6	System Controls specified on drawings as required including: (a) Thermostatic zone control (b) Deadband (c) Off-hour controls: automatic setback/ shutdown controls, optimum start controls (d) Heat pump supplementary heat (e) Service water heating equipment (non-circulating/ circulating) temperature maintenance and circulation controls, e.g., heat traps, circulation pump controls, heat trace systems, etc. (f) System Controls Narrative provided to describe function and operation of each mandatory control system		
12	C403.2.4.3	Shutoff Dampers Motorized shutoff dampers specified for stairway enclosures, elevator shaft vents, and other outdoor air intakes and exhaust openings		
13	C403.3 C403.4.1 C403.2.4.7	Economizers installed: (a) on all systems ≥ 54 kBtu/h, (b) total exempted system capacity not exceeding 20% of the total supply capacity of all fan-cooling units in the building, or 300 kBtu/h, whichever is greater (required for ECC-following job applications only) (b) with FDD, high limit shut-off, and integrated cooling controls		

14	C403.2.7	Energy Recovery Ventilation system specified, and its effectiveness ratio values identified in equipment schedules		
Lighting & Power				
15	DOB/ DOB Now	PENDING Review on Lighting and Electrical Power Systems	• Submit Supporting Documentation (full construction documents) and Energy Analysis corresponding to the proposed scope of work. • If filed through DOB Now, provide In-Conjunction DOB Now job filing numbers as applicable.	
16	C405.2 C405.4 C405.5 C405.1 1RCNY §5000-01 (g)(3)(i)(A)	Lighting Controls - Interiors & Exteriors specified on plan drawings as required to account for: (a) Local controls (b) Occupancy sensor controls (with Manual-On unless permitted otherwise) (c) Bi-level controls (d) Daylight-responsive controls (e) Full-off/partial off (f) Scheduled shutoff for interior lighting (g) Photocell and time switches for Exterior lighting (h) Lighting Controls Narrative provided listing all proposed interior and outdoor spaces of the building to describe the function and operation of mandatory lighting and power controls per space		
17	C405.3 C405.4 C405.5 C405.1 1RCNY §5000-01 (g)(3)(i)(A)	Lighting Power Density Complete light fixture layout plan, light fixture schedules (including fixture wattage and counts) and notes provided not to exceed the maximum LPD allowance for (a) Interior lighting power (b) Exterior lighting power (c) Exit signs, and (d) High-efficacy lamps for dwelling units as applicable		
Additional Energy Efficiency Option				
18	C406	Mandatory Additional Efficiency Package for a new commercial building has been designated and the specifications have been documented on drawings		
End of Objections				
NYC BUILDING EMISSIONS LAW Starting in 2024, buildings greater than 25,000 sf are subject to carbon emission limits defined by Local Law 97 of 2019. For more information on carbon emission limits for year 2024-2029 and 2030-2035, and how these may affect the building constructed from this job application, please visit https://www1.nyc.gov/site/buildings/codes/local-laws.page and click on Local Law 97 of 2019 and Local Law 147 of 2019. For questions about this law, please contact GHGemissions@buildings.nyc.gov .				

P.L.

FLOOR ASSEMBLY

1" OF
PER W/ BITUMEN FOR FINISHING
WOOD
SPERS @ 16" O.C.
1/4" PER FOOT SLOPE,
CONTINUOUS INSULATION
WOOD
SLAB ON 9/16"X24 GA MTL DECK
JOIST, SEE STRUCTURAL PLAN

"X" G.W.B.
R FIRE RATED]

9'

2 HR F.R. FLOOR ASSEMBLY

NEW 1-1/2" TOTAL OF
COMBINATION OF
SUBFLOOR & FINISHED FLOOR
2 1/2" CONC. SLAB ON 9/16"X24 GA MTL
DECK
NEW 12J12@16" O.C
NEW (2)5/8" TYPE "X" GYPSUM
BOARD

EL=93.69

2 HR F.R. FLOOR ASSEMBLY

NEW 1-1/2" TOTAL OF
COMBINATION OF
SUBFLOOR & FINISHED FLOOR
2 1/2" CONC. SLAB ON 9/16"X24 GA MTL
DECK
NEW 12J12@16" O.C
NEW (2)5/8" TYPE "X" GYPSUM
BOARD

EL=83.69

2 HR F.R. FLOOR ASSEMBLY

NEW 1-1/2" TOTAL OF

U-factor for roof assembly
(not prescriptive)

NEW EXTERIOR WALL - 3 hour

3 COATS VINYL SPACKLING COMPOUND AT TAPE
JOINTS, SANDED SMOOTH TO 4" ABOVE FINISHED
CEILING, NO HORIZONTAL JOINTS PERMITTED
BELOW CEILING LINE, PROVIDE TAPING J BEAD AT
HEAD BOTH SIDES

ONE LAYER OF 5/8" THK. TYPE "X" GYP. WALL
BOARD

SOUND ATTENUATION BLANKET FULL HEIGHT, FULL
WIDTH (ALTERNATE: R-11 FIBERGLASS ALUMINUM
FACED BATTS)

FURRING SPACE

8" THICK CMU

VAPOR RETARDING BUILDING WRAP AS PER
"TYVEK" OR APPROVED EQUAL

FIBERGLASS REINFORCED MESH BASE ATTACHED
TO STUDS OVER MOISTURE BARRIER

R-11.4 CONTINUOUS INSULATION e Adj.

EXTERIOR INSULATION FINISH SYSTEM
3 STEP STUCCO (PORTLAND CEMENT TYPE
O APPROVED EQUAL 3/4 MIN. THICK
Build ??

[EXTERIOR WALL 3 HR FIRE RATED]

HEIGHTED U-FACTOR
FOR FLR TO FLR HEIGHT
TO ACCOUNT FOR JOIST
DEPTH.

A-006
DET #1

[TYPE WALL 3]

3 COATS VINYL SPACKLING COMPOUND AT TAPE JOINTS, SANDED SMOOTH TO 4" ABOVE FINISHED CEILING, NO HORIZONTAL JOINTS PERMITTED BELOW CEILING LINE, PROVIDE TAPING J BEAD AT HEAD BOTH SIDES

1 LAYERS OF 5/8" THK. TYPE "X" GYP. WALL BOARD

STRUCTURAL CEMENT FIBER UNIT
3/4" EXTERIOR SHEATING
ON EACH SIDE OF STUDS

3 1/2" SOUND ATTENUATION BLANKET
FULL HEIGHT, FULL WIDTH
(ALTERNATE: 3 1/2" R-13 FIBERGLASS
ALUMINUM FACED BATTS)

5 5/8" 20 GAUGE GALVANIZED METAL
STUDS 16" O.C. SLAB TO FINISHED
CEILING, HEAD AND SILL TRACK
FASTENED BY SELF TAPPING SM
SCREWS

STRUCTURAL CEMENT FIBER
UNIT 3/4" EXTERIOR SHEATING
ON EACH SIDE OF STUDS

ONE LAYER OF 5/8" DENSE GLASS GOLD-
"FIREGUARD" TYPE EXTERIOR
SHEATHING OR APPROVED EQUAL,
FULL HEIGHT, FULL WIDTH.

VAPOR RETARDING BUILDING WRAP AS PER
"TYVEK" OR APPROVED EQUAL

FIBERGLASS REINFORCED MESH
BASE ATTACHED TO STUDS OVER
MOISTURE BARRIER

R-7.5 CONT. INSULATION

3 STEP STUCCO (PORTLAND CEMENT TYPE