ES888940252

Housing Maintenance Code:
Specifically noted on each drawing.

Provisions of all laws, by-laws, statutes, ordinances, codes, rules, regulations and lawful orders of public authorities bearing on the performance and execution of the work.

Agencies having jurisdiction on the work of this contract.

Portions of the work, in the contract documents that are at variance with the above.

Follow Chapter 33 of the 2014 NYC Construction Code (NYCCC) for pitched and drained to carry storm water into the street storm water drain. Ensure the quality and timely completion of the work/project.

Plumbing, electrical fixtures, wire conduit, or other work which might not be performed prior to the completion of the electrical and plumbing rough-in.

5. These drawings have been prepared by or at the direction of the undersigned and to the best of the undersigned's knowledge, information, and belief.

Permits for scaffolding, sidewalk, bridging, and any other construction.

The building shall be provided with approved smoke alarms. The building shall be provided with approved carbon monoxide detectors.

Under Article 27-2048: Each floor shall be posted with a sign which states the number of the story in which it is located.

27-2050: Section.

27-2038: Public halls and stairways shall be equipped with electric lighting in accordance with the standards in Section 10-2040 of the Building Code.

27-2045: Each dwelling unit shall be equipped with one or more approved smoke detectors.

27-2048: Each floor shall be posted with a sign which states the number of the story in which it is located.

27-2050: Section.

5. These drawings have been prepared by or at the direction of the undersigned and to the best of the undersigned's knowledge, information, and belief.

Permits for scaffolding, sidewalk, bridging, and any other construction.

The building shall be provided with approved smoke alarms. The building shall be provided with approved carbon monoxide detectors.

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27-2048: Each floor shall be posted with a sign which states the number of the story in which it is located.

27-2050: Section.

ARTICLE 1: LIGHTING AND VENTILATION OF DWELLING UNITS SHALL COMPLY WITH THIS SECTION AND WITH ALL OTHER APPLICABLE CODES AND REGULATIONS.

PROPOSED WORK UNDER: 2014 BUILDING CODE

PROPOSED USE GROUP: RESIDENTIAL, COMMERCIAL, COMMUNITY FACILITY

PROPOSED OCCUPANCY GROUP: R-2: RESIDENTIAL WITH SEPARATED INCIDENTIAL USE AREAS

2.20.5.3. ALL GEX, TX, DX AND KX SHAFTS TO BE 2 HR RATED, U.O.N.

2.20.6.1. ALL ROOF PARAPETS OR RAILINGS TO BE 3'-6" MIN. ABOVE FINISHED ROOF; U.O.N.

1. SEPARATE APPLICATIONS WILL BE FILED WITH THE DEPARTMENT OF BUILDINGS BY THE ARCHITECT OR ENGINEERS DESIGNATED BY THE OWNER.

2.20.5.4. 2014 SMOKE / CARBON MONOXIDE DETECTOR NOTES

SAFETY NOTES

RE SAFETY: ALL BUILDING MATERIALS STORED AT CONSTRUCTION AND/OR IN STORAGE ARE TO BE SECURED IN A LOCKED AREA, ACCESS TO WHICH IS RESTRICTED TO CONTRACTORS, SUBCONTRACTORS, AND THEIR EMPLOYEES.

15. Heating Systems

16. Chimneys

17. Wall Panels, Curtainwall

19. Smoke Control Systems

20. Seismic Isolation Systems

21. Roof Support Systems

22. Retained Earth Structure

23. Building Structures

D. Fire Communication and Command shall be per Section 403 in a location that is accessible to authorized personnel and the public.
**Construction Classification (Per Table 601)**

- 1 Hour Fire-Rated Wall, U.O.N.
- Actual Travel Distance

**Exit Classification**

- Ceiling Mounted Exit Sign
- Wall Mounted Exit Sign
- Door Label
- Fire-Protection Ratings:
  - Exit 'K': 2" Min. Separation
  - Exit 'A': 76"/0.2 = 380 Persons
  - Retail: 72"/0.2 = 360 Persons
  - NR: 72"/0.2 = 360 Persons
  - DN: NR

**Sprinklered Doors**

- Capacity: (1) 3'-0" Doors
  - Total (71" Clear): 71" / 0.2 = 355
  - Total (67" Clear): 67" / 0.2 = 335

**Egress Data 1st Floor - Residential**

<table>
<thead>
<tr>
<th>Type</th>
<th>Exit Route Distance</th>
<th>Label</th>
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<tbody>
<tr>
<td>E</td>
<td>32' - 4&quot;</td>
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</tr>
<tr>
<td>E</td>
<td>13' - 5&quot;</td>
<td></td>
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<tr>
<td>E</td>
<td>47' - 2&quot;</td>
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</table>

**Occupancy Group**

- Residential Lobby: 538 SF, 200, 4 OCC.
- Residential Access: 123 SF, 300, 1 OCC.
- Refuse and Recycling: 195 SF, 300, 1 OCC.
- Mechanical: 186 SF, 200, 1 OCC.
- Kitchen Staff Lockers: 143 SF, 50, 3 OCC.
- Electrical: 123 SF, 300, 1 OCC.
- Bed Staff Lockers: 126 SF, 50, 3 OCC.
- Retail Ground Floor Total Occupant Load: 126 OCC.
- Package Room: 126 OCC.
- Total Load: 2 OCC.

**Sprinklered Doors to Outdoors**

- Width (Per 1009.1)
  - 44 in.
  - 60 in.
  - 72 in.
  - 90 in.

**Non-Sprinklered Doors**

- Width (Per 1009.1)
  - 32 in.
  - 36 in.
  - 44 in.

**Design Development**

- 12.04.2015
  - CD PROGRESS PACKAGE
  - 05.27.2016
  - FXFOWLE ARCHITECTS, LLP | 22 WEST 19TH STREET | NEW YORK, NY 10011 | T 212.627.1700 | F 212.463.8716 | WWW.FXFOWLE.COM

**Mail Egress Area**

- Mail: 240 SF, 1 OCC.
- Residential: 11' - 10"
- Retail: 12' - 7"

**Corridors**

- Max. Travel Distance: 200'-0"
CELLAR FLOOR ZONING PLAN

RESIDENTIAL USE

- **Total Deductions (E)**: 7,767 SF
- **Total Deductions (ZG)**: 7,767 SF
- **Total Deductions (QH)**: 7,767 SF
- **Total Deductions for Residential Use = Mechanical & Other Deductions**: 7,767 SF
- **Total Zoning Floor Area for Residential Use**: 0 SF
- **Total Gross Area for Residential Use**: 7,767 SF

RETAIL USE

- **Total Deductions (E)**: 2,590 SF
- **Total Deductions (ZG)**: 0 SF
- **Total Deductions (QH)**: 0 SF
- **Total Deductions for Retail Use = Mechanical & Other Deductions**: 2,590 SF
- **Total Zoning Floor Area for Retail Use**: 0 SF
- **Total Gross Area for Retail Use**: 2,590 SF

TOTAL FLOOR CALCULATIONS

- **Total Zoning Floor Area**: 0 SF
- **Total Gross Floor Area**: 10,357 SF

CELLAR FLOOR ZONING PLAN

123456789 10 11 12 13 14 15 16 17 18 19 20

ZONING LOT BOUNDARY
PARKING AREA AND BYCICLE STORAGE
DIVISION LINE BETWEEN USES
EQUIPMENT CLEAREANCE
COMMUNITY FACILITY
8" ZONE GREEN DEDUCTION
5" ZONE GREEN DEDUCTION

EXISTING BUILDING TO REMAIN

MATERIAL KEYING LEGEND:

FXFOWLE ARCHITECTS, LLP | 22 WEST 19TH STREET | NEW YORK, NY 10011 | T 212.627.1700 | F 212.463.8716 | WWW.FXFOWLE.COM

DESIMONE CONSULTING ENGINEERS
18West 18th Street, 10th Floor, New York, NY 10011 212-532-2211

DAGHER ENGINEERING, PLLC
29 Broadway, New York, NY 10006 212-480-2591

LANGAN ENGINEERING
21 Penn Plaza, New York, NY 10001 212-479-5400

DEBORAH BERKE PARTNERS
220 Fifth Avenue, 7th Floor, New York, NY 10001 212-229-9211

STANTEC
50 West 23rd Street, 8th Floor, NY 10010 212-366-5600

VAN DEUSEN & ASSOCIATES (VDA)
120 Eagle Rock Avenue, Suite 310, East Hanover, NJ 10001 973-994-9220

THORNTON TOMASETTI
51 Madison Avenue, New York, NY 10010 917-661-7800

EREMOS LLC
1270 Broadway, Suite 202, New York, NY 10001 212-658-1044

LERCH BATES, INC.
1430 Broadway, Suite 908, New York, NY 10018 973-763-3222

STEVEN WINTERS ASSOCIATES, INC.
61 Washington Street, Norwalk, CT 06854 203-857-0200

TRINITY PLACE HOLDINGS
717 Fifth Avenue, Suite 1303, New York, NY 10022 212-235-2191

ONE LUX STUDIO

42 TRINITY PLACE

TOTAL GROSS AREA CELLAR FLOOR

<table>
<thead>
<tr>
<th>Description</th>
<th>Actual SF</th>
<th>Calculated SF</th>
<th>Adjusted SF</th>
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</table>

TOTAL DEDUCTION FOR RESIDENTIAL USE = 7,767 SF
TOTAL DEDUCTION FOR RETAIL USE = 2,590 SF
TOTAL DEDUCTION = 10,357 SF

1/4" = 1'-0"
RESIDENTIAL USE

TOTAL GROSS AREA 2ND FLOOR = 10,233 SF

RESIDENTIAL USE

TOTAL ZONING FL AREA FOR EDUCATIONAL USE = 233.00 SF

TOTAL ZONING FLOOR AREA = 10,233 SF

TOTAL FLOOR CALCULATIONS

1.2.4.78 + 233 = 10,466.78

TRINITY PLACE HOLDINGS
18 West 18th Street, 10th Floor, New York, NY 10011  212-532-2211

DAGHER ENGINEERING, PLLC
120 Eagle Rock Avenue, Suite 310, East Hanover, NJ 10001  973-994-9220

LANGAN ENGINEERING
51 Madison Avenue, New York, NY 10010  917-661-7800

ONE LUX STUDIO
158 West 29th Street, 10th Floor, New York, NY 10001  212-201-5790

0 SF 0 SF 0 SF

TRINITY PLACE
2ND FLOOR ZONING PLAN

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### Material Keying Legend:

- **North**: Deduction
- **Parking Area and Bicycle Storage**: Equipment Clearance
- **Community Facility**
- **Equipment Clearance**
- **Park**: Quality Housing
- **Zone Green Quality Housing**
- **Bathroom/Kitchen/Washer/Dryer**

### Zoning Calculations:

#### Total Deductions:

- **Residential Use (A)**: 62.72 SF
- **Educational Use (E)**: 158.86 SF
- **Other (Q)**: 2.08 SF
- **Zone Green (ZG)**: 234.06 SF
- **Common Area (C)**: 2.08 SF

#### Total Deductions for Residential Use:

- **Mechanical/Stair Deductions**: 62.72 SF
- **Total Deductions for Residential Use**: 7.21 SF
- **Total Deduction for Construction**: 62.72 SF

#### Total Zoning Floor Area:

- **Residential Use (A)**: 3,186.24 SF
- **Educational Use (E)**: 6,535.41 SF
- **Zone Green (ZG)**: 234.06 SF

#### Total Zoning Floor Area for Residential Use:

- **Total Zoning Floor Area for Residential Use**: 3,186.24 SF
- **Total Zoning Floor Area for Educational Use**: 6,535.41 SF

#### Total Gross Floor Area for Residential Use:

- **Total Deduction for Construction**: 62.72 SF
- **Total Gross Floor Area for Residential Use**: 3,249.96 SF

#### Total Gross Floor Area for Educational Use:

- **Total Deduction for Construction**: 62.72 SF
- **Total Gross Floor Area for Educational Use**: 6,698.13 SF

#### Total Gross Floor Area:

- **Total Deduction for Construction**: 62.72 SF
- **Total Gross Floor Area**: 10,360.09 SF

---

**Notes:**

- ZONE GREEN DEDUCTIONS ARE NOT TAKEN AT THIS POINT.

---

**Drawing Title:** 7TH FLOOR ZONING PLAN

**Seal:** Drawn: Project No.:

**Author:**

**Reviewed:**

**Date:** 07/29/16

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**Design Firm:** FX Fowle Architects, LLP

**Drawing No.:** 7TH FLOOR ZONING PLAN

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TOTAL ZONING FLOOR AREA WITHOUT ZONE GREEN = MECHANICAL DEDUCTIONS + MECHANICAL / STAIR DEDUCTIONS + QH DEDUCTIONS + ZG DEDUCTIONS

TOTAL DEDUCTIONS FOR EDUCATIONAL USE = TOTAL MECHANICAL / STAIR DEDUCTIONS + QH DEDUCTIONS + ZG DEDUCTIONS

TOTAL DEDUCTIONS FOR RESIDENTIAL USE = MECHANICAL DEDUCTIONS

TOTAL ZONING FLOOR AREA = TOTAL ZONING FLOOR AREA WITHOUT ZONE GREEN - TOTAL DEDUCTIONS

TOTAL GROSS AREA = TOTAL ZONING FLOOR AREA + OTHER DEDUCTIONS

TOTAL GROSS AREA 9TH FLOOR = 1,534 SF

TOTAL ZONING FLOOR AREA FOR EDUCATIONAL USE = 902.56 + 70.01 = 972.57 SF

TOTAL ZONING FLOOR AREA FOR RESIDENTIAL USE = 902.56 - 631.44 = 902.56 SF

TOTAL DEDUCTIONS = 4,662 SF

TOTAL DEDUCTIONS FOR RESIDENTIAL USE = 4,662 - 4,662 = 0 SF

TOTAL DEDUCTIONS FOR EDUCATIONAL USE = 4,662 - 4,662 = 0 SF

TOTAL GROSS AREA = 4,662 SF

TOTAL GROSS AREA = 4,662 - 4,662 = 0 SF

TOTAL GROSS AREA = 6,196 SF

TOTAL MECHANICAL DEDUCTIONS = 4,662 SF

TOTAL MECHANICAL / STAIR DEDUCTIONS = 0 SF

ZONE GREEN DEDUCTIONS ARE NOT TAKEN AT THIS POINT.
MATERIAL KEYING LEGEND:
- ZONING LOT BOUNDARY
- DIVISION LINE BETWEEN USES
- NORTH
- DEDUCTION
- PARKING AREA AND BYCICLE STORAGE
- EQUIPMENT CLEAREANCE
- COMMUNITY FACILITY

TOTAL GROSS FLOOR AREA=

TOTAL ZONING FLOOR AREA=

TOTAL ZONING FLOOR AREA FOR RESIDENTIAL USE=

TOTAL GROSS AREA 33RD FLOOR=

TOTAL ZONING FLOOR AREA WITHOUT ZONE GREEN DEDUCTIONS=

TOTAL DEDUCTIONS FOR RESIDENTIAL USE=

TOTAL FLOOR AREA FOR RESIDENTIAL USE=

TOTAL ZONING FLOOR AREA FOR RESIDENTIAL USE=

TOTAL GROSS AREA=

TOTAL DEDUCTIONS=

TOTAL DEDUCTIONS FOR OTHER USES=

TOTAL DEDUCTIONS FOR COMM. USE=

TOTAL DEDUCTIONS FOR OTHER=

TOTAL ZONING FLOOR AREA=

TOTAL ZONING FLOOR AREA WITHOUT ZONE GREEN DEDUCTION=

ZONE GREEN DEDUCTIONS ARE NOT TAKEN AT THIS POINT.
ZONING LOT BOUNDARY
DEDUCTION
PARKING AREA AND BYCICLE STORAGE
DIVISION LINE BETWEEN USES
EQUIPMENT CLEAREANCE
COMMUNITY FACILITY
8" ZONE GREEN DEDUCTION
5" ZONE GREEN DEDUCTION

TOTAL GROSS AREA 39TH FLOOR
RESIDENTIAL USE
39A 2,267 SF

MECHANICAL / STAIR
DEDUCTIONS
TOTAL MECHANICAL /STAIR DEDUCTIONS 2,267 SF

ZONING CALCULATIONS
RESIDENTIAL USE
TOTAL DEDUCTIONS FOR RESIDENTIAL USE = MECHANICAL /STAIR DEDUCTIONS + QH DEDUCTIONS + ZG DEDUCTIONS
= 2,267 SF
TOTAL ZONING FLOOR AREA FOR RESIDENTIAL USE = TOTAL GROSS AREA - TOTAL DEDUCTIONS
= 2,267 - 2,267
= 0 SF
TOTAL FLOOR CALCULATIONS
QUALITY HOUSING
Total Deductions (QH)          0 SF
ZONE GREEN
Total Deductions (ZG)         0 SF

3/16" = 1'-0"
MATERIAL KEYING LEGEND:

1. FOR LIST OF DRAWINGS SEE COVER SHEET.
2. FOR ABBREVIATIONS AND SYMBOLS SEE A-001.
3. FOR PARTITION TYPES AND DETAILS SEE A-004.
4. FOR DOOR TYPES AND DETAILS SEE A-005.
5. FOR CEILING TYPES AND DETAILS SEE A-006.
6. ALL ELEVATIONS GIVEN THUS [ ] ARE GIVEN IN RELATION TO THE BUILDING CONSTRUCTION DATUM EL [0'-0"] = (+13.50") WHICH IS ACTUAL AND REFERS TO THE NORTHAMERICAN VERTICAL DATUM OF 1988 (NAVD88).
7. ALL INTERIOR DIMENSIONS ARE GIVEN TO FINISHED FACE OF G.W.B PARTITION, C.M.U. OR EXPOSED STRUCTURE.
8. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EQUIPMENT LAYOUT AND COORDINATION OF SLAB AND WALL OPENINGS.
9. SEE STRUCTURAL DRAWINGS FOR FOUNDATION, CONCRETE SLAB, SHEAR WALLS, COLUMNS AND COLUMN ENCLOSURES, AND STRUCTURAL DETAILING.
10. SEE INTERIOR DESIGN DRAWINGS FOR KITCHEN & BATHROOM PLANS, ELEVATIONS,
11. ALL ELECTRICAL CLOSET PIPING SHALL BE FIRE-STOP (FLOOR-TO-FLOOR) AND PROVIDED WITH 1 1/2 HR FPSC DOORS.
12. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK SCOPE OF WORK.
13. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
14. SCHOOL (SCA) INTERIOR SPACE WILL BE FILED UNDER SEPARATE APPLICATION, INTERIOR PARTITIONS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
15. SHAPED AREA AND INTERIOR PARTITIONS ARE NOT INCLUDED IN OWNER'S SCOPE STRUCTURAL ELEMENTS, EXTERIOR WALLS, ELEVATORS/STAIRS AND THEIR ENCLOSURES ARE INCLUDED. REFER TO SCOPE (DIFDOC) FOR PROJECT (0,0) T.O.S. +18" - 2"
133' - 11"
134' - 10 3/4"
MATCH LINE A1 / A-202.A
NOTE: SCHOOL (SCA) INTERIOR SPACE WILL BE FILED UNDER SEPARATE APPLICATION, INTERIOR PARTITIONS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
13. ALL ELECTRICAL CLOSET PIPING SHALL BE FIRE-STOP (FLOOR-TO-FLOOR) AND PROVIDED WITH 1 1/2 HR FPSC DOORS.
12. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK SCOPE OF WORK.
13. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
40' - 9"
97' - 1 1/4"
LOT  18
PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
SCHOOL (SCA) INTERIOR SPACE WILL BE FILED UNDER SEPARATE APPLICATION, INTERIOR PARTITIONS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
13. ALL ELECTRICAL CLOSET PIPING SHALL BE FIRE-STOP (FLOOR-TO-FLOOR) AND PROVIDED WITH 1 1/2 HR FPSC DOORS.
12. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK SCOPE OF WORK.
13. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
MATERIAL KEYING LEGEND:

NORTH

GENERAL NOTES:

1. FOR LIST OF DRAWINGS SEE COVER SHEET.
2. FOR ABBREVIATIONS AND SYMBOLS SEE A-001.
3. FOR PARTITION TYPES AND DETAILS SEE A-004.
4. FOR DOOR TYPES AND DETAILS SEE A-005.
5. FOR CEILING TYPES AND DETAILS SEE A-006.
6. ALL ELEVATIONS GIVEN THUS \[ \text{[ ]}\] ARE GIVEN IN RELATION TO THE BUILDING CONSTRUCTION DATUM EL \[0'-0'\] = (+13.50') WHICH IS ACTUAL AND REFERS TO THE NORTHAMERICAN VERTICAL DATUM OF 1988 (NAVD88).
7. ALL INTERIOR DIMENSIONS ARE GIVEN TO FINISHED FACE OF G.W.B PARTITION, C.M.U. OR EXPOSED STRUCTURE.
8. SEE A-200 SERIES FOR ENLARGED CORE PLANS.
9. SEE A-400 SERIES FOR ELEVATIONS.
10. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EQUIPMENT LAYOUT AND COORDINATION OF SLAB AND WALL OPENINGS.
11. SEE GUIDANCE SUITE.
12. SEE CASE STUDY.
13. ALL ELECTRICAL CLOSET PIPING SHALL BE FIRE-STOP (FLOOR-TO-FLOOR) AND PROVIDED WITH 1 1/2 HR FPSC DOORS.
14. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK.
15. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
16. SEE A-003 FOR MINIMUM ACCESSIBILITY REQUIREMENTS.

NOTE:

SCHOOL (SCA) INTERIOR SPACE WILL BE FILED UNDER SEPARATE APPLICATION, INTERIOR PARTITIONS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
MATERIAL KEYING LEGEND:

NORTH

GENERAL NOTES:
1. FOR LIST OF DRAWINGS SEE COVER SHEET.
2. FOR ABBREVIATIONS AND SYMBOLS SEE A-001.
3. FOR PARTITION TYPES AND DETAILS SEE A-004.
4. FOR DOOR TYPES AND DETAILS SEE A-005.
5. FOR ELEVATIONS SEE A-007.
6. ALL ELEVATIONS GIVEN THUS [ ] ARE GIVEN IN RELATION TO THE BUILDING CONSTRUCTION DATUM EL [0'-0"] = (+13.50") WHICH IS ACTUAL AND REFERS TO THE NORTHAMERICAN VERTICAL DATUM OF 1988 (NAVD88).
7. ALL INTERIOR DIMENSIONS ARE GIVEN TO FINISHED FACE OF G.W.B PARTITION, C.M.U. OR EXPOSED STRUCTURE.
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9. SEE A-400 SERIES FOR ELEVATIONS.
10. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EQUIPMENT LAYOUT AND COORDINATION OF SLAB AND WALL OPENINGS.
11. SEE INTERIOR DESIGN DRAWINGS FOR KITCHEN & BATHROOM PLANS, ELEVATIONS, DETAILS & ALL FINISH DETAILS INSIDE THE APARTMENTS AND TYPICAL RESIDENTIAL CORRIDORS.
12. ALL ELECTRICAL CLOSET PIPING SHALL BE FIRE-STOP (FLOOR-TO-FLOOR) AND PROVIDED WITH 1 1/2 HR FPSC DOORS.
13. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK SCOPE OF WORK.
14. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
15. SEE A-003 FOR MINIMUM ACCESSIBILITY REQUIREMENTS.
16. SEE INTERIOR DESIGN DRAWINGS FOR KITCHEN & BATHROOM PLANS, ELEVATIONS, DETAILS & ALL FINISH DETAILS INSIDE THE APARTMENTS AND TYPICAL RESIDENTIAL CORRIDORS.
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18. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK SCOPE OF WORK.
19. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
20. SEE A-003 FOR MINIMUM ACCESSIBILITY REQUIREMENTS.

NOTE:
SCHOOL (SCA) INTERIOR SPACE WILL BE FILED UNDER SEPARATE APPLICATION, INTERIOR PARTITIONS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
MATERIAL KEYING LEGEND:

1. FOR LIST OF DRAWINGS SEE COVER SHEET.
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3. FOR PARTITION TYPES AND DETAILS SEE A-004.
4. FOR DOOR TYPES AND DETAILS SEE A-005.
5. FOR CEILING TYPES AND DETAILS SEE A-006.
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7. ALL INTERIOR DIMENSIONS ARE GIVEN TO FINISHED FACE OF G.W.B PARTITION, C.M.U. OR EXPOSED STRUCTURE.
8. SEE A-200 SERIES FOR ENLARGED CORE PLANS.
9. SEE A-400 SERIES FOR ELEVATIONS.
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13. ALL ELECTRICAL CLOSET PIPING SHALL BE FIRE-STOP (FLOOR-TO-FLOOR) AND PROVIDED WITH 1 1/2 HR FPSC DOORS.
14. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK SCOPE OF WORK.
15. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
16. SEE A-003 FOR MINIMUM ACCESSIBILITY REQUIREMENTS.

NOTE:

SHADED AREA AND INTERIOR PARTITIONS ARE NOT INCLUDED IN OWNER'S SCOPE STRUCTURAL ELEMENTS, EXTERIOR WALLS, ELEVATORS/STAIRS AND THEIR ENCLOSURES ARE INCLUDED. REFER TO SCOPE (DIFDOC) FOR THE DETAILS OF SCOPE.
GENERAL NOTES:

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NORTH
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MATERIAL KEYING LEGEND:

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STEVEN WINTERS ASSOCIATES, INC.
61 Washington Street, Norwalk, CT 06854  203-857-0200

TRINITY PLACE HOLDINGS
717 Fifth Avenue, Suite 1303, New York, NY 10022  212-235-2191

ONE LUX STUDIO
50 West 23rd Street, 8th Floor, NY 10010  212-366-5600

1/8" = 1'-0"
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16. SEE A-003 FOR MINIMUM ACCESSIBILITY REQUIREMENTS.
MATERIAL KEYING LEGEND:

NORTH

GENERAL NOTES:

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17. PROPERTY LINE

18. TERRACE AT 8TH FLOOR

19. 2ND BEDROOM

20. MASTER BEDROOM

21. LIVING / DINING

22. KITCHEN

23. S. BATH 1A

24. WIC

25. 3RD BEDROOM

26. MASTER BEDROOM

27. LIVING / DINING

28. KITCHEN

29. W/D

30. WIC

31. S. BATH 2

32. CL

33. TRASH RECYCLING

34. GALLERY

35. TERRACE AT 9TH FLOOR

36. PROPERTY LINE

37. TERRACE AT 8TH FLOOR
MATERIAL KEYING LEGEND:

- NORTH

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DRAWING TITLE:

MATERIAL KEYING LEGEND:

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1/8" = 1'-0"
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16. SEE A-003 FOR MINIMUM ACCESSIBILITY REQUIREMENTS.
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13. PROVIDED WITH 1 1/2 HR FPSC DOORS.
14. MATCH LINE A1 / A-200.A
15. MATCH LINE A1 / A-200.B
16. SCOPE OF WORK.
17. REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
MATERIAL KEYING LEGEND:

UP
NORTH
T.O.F.F. +9'-0"
STAIR B

GENERAL NOTES:

F3E
A11
A1

1. FOR LIST OF DRAWINGS SEE COVER SHEET.

DN
EM
V

2" MIN.
SEISMIC SEP.
PROPERTY LINE

5. FOR CEILING TYPES AND DETAILS SEE A-006.

T.O.F.F. +0' - 0"
STAIR D

10. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EQUIPMENT MATCH LINE A1 / A-201.A

T.O.S. -0' - 3"
STAIR E

123
T17 9'-0" FLOOR STAIR A & B PLAN

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

132.5°
91' - 0 1/2"

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

PROPOSED BIKE RACK LOCATION (MIN OF 6 SPOTS PROVIDED PER LEED REQ'S)

PROPERTY LINE

28' -0' - 3" (PROJ ELEV)

3' - 7 7/8"
MATERIAL KEYING LEGEND:

- NORTH

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4. PROPERTYLINE
5. MATCH LINE A1 / A-203.A
6. MATCH LINE A1 / A-203.B
7. FOR ENLARGED CORE PLANS.
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13. REFER TO BPP DRAWINGS FOR SIDEWALK AND CORRESPONDING SITE WORK
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15. PARTITIONS ARE NOT INCLUDED IN OWNER'S SCOPE STRUCTURAL ELEMENTS, EXTERIOR WALLS, ELEVATORS/STAIRS AND THEIR ENCLOSURES ARE INCLUDED. REFER TO SCOPE (DIFDOC) FOR THE DETAILS OF SCOPE.
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7. All interior dimensions are given to finished face of G.W.B partition, C.M.U.
8. See A-200 series for enlarged core plans.
9. See A-400 series for elevations.
10. See mechanical, plumbing, and electrical drawings for equipment layout and coordination of slab and wall openings.
11. See structural drawings for foundation, concrete slab, shear walls, property line, columns and column enclosures, and structural detailing.
12. See interior design drawings for kitchen & bathroom plans, elevations, details & all finish details inside the apartments and typical residential corridors.
13. All electrical closet piping shall be fire-stop (floor-to-floor) and provided with 1 1/2 hr. FPSC doors.
14. Refer to BPP drawings for sidewalk and corresponding site work.
15. Reference MTA drawings and survey of Amtrak area for location and
16. See A-003 for minimum accessibility requirements.
1. All interior dimensions are given to finished face of G.W.B partition.

2. See interior design drawings for kitchen & bathroom plans, elevations, details & all finish details & doors inside the apartments and typical residential corridors.

3. Provided with 1 1/2 HR FPSC doors.

4. Refer to BPP drawings for sidewalk and corresponding site work scope of work.

5. Reference MTA drawings and survey of Amtrak area for location and coordination with adjacent conditions.

6. See A-003 for minimum accessibility requirements.

7. Property line slopes.

8. Typical top of slab elevation at stair landings is 2" higher than typical top of slab elevation at residential floors.

9. Rest of the floor slab at residential floors.

10. Elevations at stair landings are 2" higher.
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134'-10" 15.  REFERENCE MTA DRAWINGS AND SURVEY OF AMTRAK AREA FOR LOCATION AND COORDINATION WITH ADJACENT CONDITIONS.
16.  SEE A-003 FOR MINIMUM ACCESSIBILITY REQUIREMENTS.
1. For list of drawings see cover sheet.
2. For abbreviations and symbols see A-001.
3. For partition types and details see A-004.
4. For door types and details see A-005.
5. For ceiling types and details see A-006.
6. All elevations given thus [ ] are given in relation to the building layout and coordination of slab and wall openings.
7. See A-200 series for enlarged core plans.
8. See A-400 series for elevations.
9. See interior design drawings for kitchen & bathroom plans, elevations, details & all finish details & doors inside the apartments and typical residential corridors.
10. See structural drawings for foundation, concrete slab, shear property line.
11. See structural drawings for foundation, concrete slab, shear property line.
12. See structural drawings for foundation, concrete slab, shear property line.
13. See structural drawings for foundation, concrete slab, shear property line.
14. See structural drawings for foundation, concrete slab, shear property line.
15. Reference MTA drawings and survey of Amtrak area for location.
16. See A-003 for minimum accessibility requirements.
17. Typical top of slab elevation at stair landings is 2" higher.
18. Top of slab elevations at stair plan @ 35th floor is different. See dwg.
19. Top of slab elevation at mech room is 6" lower than rest of the floor at residential floors.
20. All electrical closet piping shall be fire-stop (floor-to-floor) and scope of work.
L1 TYPICAL RESIDENTIAL FLOOR, PLAN AND SECTION

TYPICAL SECTION AT LINK BEAMS 02,04&05
at Floors 10th, 16th, 23rd and 31st

TYPICAL SECTION AT LINK BEAMS 02,04&05
at other Residential Floors

Maximum 4" x 4" Sleeves
Provide 2 HR Rated
Enclosure as Required
MATERIAL KEYING LEGEND:

- A6
- A1

EXTERIOR WALL SYSTEM (EWS) LEGEND

- EWS 1
- EWS 2
- EWS 3
- EWS 4
- EWS 5
- EWS 6
- EWS 7
- EWS 8

- STORE FRONT (REFER TO A-421 & A-431)
- TOWER PANEL - GFRC (REFER TO A-422, A-433 & A-434)
- TOWER CURTAIN WALL (REFER TO A-423 & A-435)
- TOWER MECHANICAL / METAL PANEL (REFER TO A-424 & A-436)
- STICK BUILT CURTAIN WALL (REFER TO A-424)
- CMU LOT LINE WALL
- CONCRETE LOT LINE WALL (REFER TO A-424)
- DIMENSIONAL STONE CLADDING (REFER TO A-421)

*FOR ROOF TYPE (RT), REFER TO A-425
EWS 1
STORE FRONT
(REFER TO A-421 & A-431)

EWS 2
SCHOOL PANEL - LIMESTONE WITH HONEYCOMB BACKUP
(REFER TO A-421 & A-432)

EWS 3
TOWER PANEL - GFRC
(REFER TO A-422, A-433 & A-434)

EWS 4
TOWER CURTAIN WALL
(REFER TO A-423 & A-435)

EWS 5
TOWER MECHANICAL / METAL PANEL
(REFER TO A-424 & A-436)

EWS 6
STICK BUILT CURTAIN WALL
(REFER TO A-424)

EWS 7
CMU LOT LINE WALL
(REFER TO A-424)

EWS 8
CONCRETE LOT LINE WALL
(REFER TO A-424)

EWS 9
DIMENSIONAL STONE CLADDING
(REFER TO A-421)

*FOR ROOF TYPE (RT), REFER TO A-425
PARTY WALL DETAILS
42 TRINITY PLACE
NEW YORK, NY

G1 WALL SECTION
G7 WALL SECTION
G17 WALL SECTION

EWS 1
STORE FRONT
(REFER TO A-421 & A-431)

EWS 2
SCHOOL PANEL - LIMESTONE WITH HONEYCOMB BACKUP
(REFER TO A-421 & A-432)

EWS 3
TOWER PANEL - GFRC
(REFER TO A-422, A-433 & A-434)

EWS 4
TOWER CURTAIN WALL
(REFER TO A-423 & A-435)

EWS 5
TOWER MECHANICAL / METAL PANEL
(REFER TO A-424 & A-436)

EWS 6
STICK BUILT CURTAIN WALL
(REFER TO A-424)

EWS 7
CMU LOT LINE WALL
(REFER TO A-424)

EWS 8
CONCRETE LOT LINE WALL
(REFER TO A-424)

EWS 9
DIMENSIONAL STONE CLADDING
(REFER TO A-421)

*FOR ROOF TYPE (RT), REFER TO A-425

EXTERIOR WALL SYSTEM (EWS) LEGEND

044200.S STONE PANEL ON HONEYCOMB BACKUP
074213.A 1/8" THICK ALUMINUM PLATE PANEL (PAINT FINISH - COLOR AS SELECTED BY ARCHITECT)
E9 WALL SECTION

E16 WALL SECTION

EXTERIOR WALL SYSTEM (EWS) LEGEND

- E9 WALL SECTION
- E16 WALL SECTION

MATERIAL KEYING LEGEND:
<table>
<thead>
<tr>
<th>Material Description</th>
<th>UA (Proposed)</th>
<th>U-Value (BTU/hr/ft²/°F)</th>
<th>R-Value</th>
<th>SHGC</th>
<th>GFA</th>
<th>( E = A \times D )</th>
<th>( C = A \times B )</th>
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<tr>
<td>GFRC Cladding at Slab Edge (Mass Wall)</td>
<td>1,479</td>
<td>0.065</td>
<td>96.13</td>
<td>0.09</td>
<td>133.10</td>
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<td>GFRC Cladding over Metal Stud Framing (Metal Framed)</td>
<td>13,278</td>
<td>0.043</td>
<td>570.97</td>
<td>0.064</td>
<td>849.81</td>
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</tr>
<tr>
<td>GFRC Cladding at Tower Core Shear Wall (Mass Wall)</td>
<td>3,488</td>
<td>0.06</td>
<td>209.30</td>
<td>0.09</td>
<td>313.95</td>
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<tr>
<td>GFRC Cladding at Stud Wall Canted Plan Detail (Metal Framed)</td>
<td>1,038</td>
<td>0.128</td>
<td>132.86</td>
<td>0.064</td>
<td>66.43</td>
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<tr>
<td>GFRC Cladding at North Shear Wall (Mass Wall)</td>
<td>15,384</td>
<td>0.05</td>
<td>769.20</td>
<td>0.09</td>
<td>1,384.56</td>
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<td>Metal Panel at Tower Stud Wall at Slab Edge (Mass Wall)</td>
<td>218</td>
<td>0.142</td>
<td>30.98</td>
<td>0.09</td>
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<td>Dimension Stone Cladding at Storefront Base (Mass Wall)</td>
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<td>0.057</td>
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<td>Dimension Stone Cladding at Concrete Column (Mass Wall)</td>
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<td>GFRC Cladding over Metal Stud Framing (Metal Framed)</td>
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<tr>
<td>GFRC Cladding at North Shear Wall (Mass Wall)</td>
<td>15,384</td>
<td>0.05</td>
<td>769.20</td>
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<td>1,384.56</td>
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<tr>
<td>Louver (1,555 SF Louver area ignored in the calculations)</td>
<td>0</td>
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<td>Unitized Curtain Wall at Vision Panels (Fixed Fenestration @ Large Vision + Operable Fenestration @ Operable Vent)</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Glazed Storefront System Vision Panels (Fixed Fenestration)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Punched window SHGC</td>
<td>0.29</td>
<td>8,136</td>
<td>0.35</td>
<td>2,847.60</td>
<td>0.38</td>
<td>3,091.68</td>
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</tr>
<tr>
<td>Punched window SHGC</td>
<td>0.29</td>
<td>849</td>
<td>0.35</td>
<td>297.05</td>
<td>0.38</td>
<td>322.51</td>
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<tr>
<td>Unitized Curtain Wall at Vision Panels (Fixed Fenestration @ Large Vision + Operable Fenestration @ Operable Vent)</td>
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<tr>
<td>Glazed Storefront System Vision Panels (Fixed Fenestration)</td>
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<td></td>
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<td></td>
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<td>0.35</td>
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<td>0.35</td>
<td>297.05</td>
<td>0.38</td>
<td>322.51</td>
<td></td>
</tr>
</tbody>
</table>

**Energy Efficiency Allowed per ASHRAE 90.1 – 5.4.3.3**

\[ 7,714 / 10,112 = 76.29\% \]
MATERIAL KEYING LEGEND:

- ROOF T.O.S
- EL. [+503' - 2"]
- EWS-3D
- 40TH FLOOR
- V
- EL. [+479' - 2"
- 38TH FLOOR
- T.O.S
- EWS-4A
- 37TH FLOOR
- V
- U
- EWS-0
- 36TH FLOOR
- T.O.S
- EL. [+419' - 2"
- 35TH FLOOR
- EWS-4A
- 33RD FLOOR
- EWS-5H
- 32ND FLOOR RCP
- EWS-0
- 31ST FLOOR
- T.O.S
- EL. [+372' - 6"
- 30TH FLOOR
- T.O.S
- EL. [+360' - 10"
- 29TH FLOOR
- T.O.S
- EL. [+337' - 6"
- 28TH FLOOR
- T.O.S
- EL. [+330' - 6"
- 27TH FLOOR
- T.O.S
- EL. [+325' - 2"
- 26TH FLOOR
- T.O.S
- EL. [+318' - 2"
- 25TH FLOOR
- T.O.S
- EL. [+310' - 10"
- 24TH FLOOR
- T.O.S
- EL. [+295' - 10"
- 23RD FLOOR
- T.O.S
- EL. [+285' - 2"
- 22ND FLOOR
- T.O.S
- EL. [+280' - 2"
- 21ST FLOOR
- T.O.S
- EL. [+271' - 0"
- 20TH FLOOR
- T.O.S
- EL. [+270' - 2"
- 19TH FLOOR
- T.O.S
- EL. [+245' - 10"
- 18TH FLOOR
- T.O.S
- EL. [+235' - 0"
- 17TH FLOOR
- T.O.S
- EL. [+225' - 10"
- 16TH FLOOR
- T.O.S
- EL. [+217' - 2"
- 15TH FLOOR
- T.O.S
- EL. [+209' - 0"
- 14TH FLOOR
- T.O.S
- EL. [+206' - 6"
- 13TH FLOOR
- T.O.S
- EL. [+195' - 0"
- 12TH FLOOR
- T.O.S
- EL. [+191' - 0"
- 11TH FLOOR
- T.O.S
- EL. [+184' - 10"
- 10TH FLOOR
- T.O.S
- EL. [+178' - 0"
- 9TH FLOOR
- T.O.S
- EL. [+171' - 0"
- 8TH FLOOR
- T.O.S
- EL. [+165' - 10"
- 7TH FLOOR
- T.O.S
- EL. [+157' - 0"
- 6TH FLOOR
- T.O.S
- EL. [+151' - 0"
- 5TH FLOOR
- T.O.S
- EL. [+146' - 0"
- 4TH FLOOR
- T.O.S
- EL. [+139' - 0"
- 3RD FLOOR
- T.O.S
- EL. [+130' - 0"
- 2ND FLOOR
- T.O.S
- EL. [+116' - 0"
- 1ST FLOOR
- T.O.S
- EL. [+106' - 0"
- GROUND FLOOR
- T.O.S
- EL. [+81' - 0"
- BASEMENT

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>SHGC</th>
<th>Area</th>
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<td>Glazed Storefront System Vision Panels (Fixed Fenestration)</td>
<td>SHGC .029</td>
<td>807</td>
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<td>SHGC .029</td>
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<td>Louver (2,712 SF Louver area ignored in the calculations)</td>
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<td>0</td>
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<tr>
<td>Insulated Blanked Off Louver @ Slab Edge (Mass Wall)</td>
<td>169</td>
<td></td>
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</tr>
<tr>
<td>Stick Built Curtain Wall at Slab Edge (Mass Wall)</td>
<td>79</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stick Built Curtain Wall at Tower Core Shear Wall (Mass Wall)</td>
<td>25,023</td>
<td></td>
<td></td>
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<tr>
<td>Insulated Blanked Off Louver @ Slab Edge (Mass Wall)</td>
<td>169</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stick Built Curtain Wall at Tower Core Shear Wall (Mass Wall)</td>
<td>79</td>
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<td></td>
<td></td>
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<tr>
<td>Stick Built Curtain Wall at Tower Core Shear Wall (Mass Wall)</td>
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<tr>
<td>42 TRINITY PLACE</td>
<td>6</td>
<td>08.08.2016</td>
<td>ED</td>
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</tbody>
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**ENERGY COMPLIANCE SHEET 6**
1. See Drawing E-001 for notes, symbols, abbreviations and drawing list.

2. See Drawing E-002 for light fixture schedule and additional information.

3. All exit signs are 2.2W per side and it complies with ASHRAE 90.1 (2010) as per section 9.4.2.

4. Independent manual control is provided for each space, except for stairs and corridors (typical for all floors).

5. All exit signs shall be circuited panel 'ELT-10' #8, U.O.N.

Energy Notes:

- Except for common corridor lighting.
- Not used.

 även service

4" fire protection

6" fire protection

2" high pressure

service

2" high pressure

service

2" high pressure

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2" high pressure

service
EXISTING BUILDING TO REMAIN

3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BALLASTS, SENSING LINE TO BE CONNECTED AHEAD OF
   DIMMER PANEL 'LDP-EM' (D#)

2. SEE DRAWING E-002 FOR LIGHT FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.

5. ALL EXIT SIGNS SHALL BE CIRCUITED PANEL 'ELT-10' #8, U.O.N. REFER TO ARCHITECTURAL REFLECTED CEILING
   PLANS FOR EXIT SIGN LOCATIONS.

SEE NOTE #6. QUANTUM LIGHT FOR LOBBY LIGHTS.

AREA NOT IN SCOPE OF WORK

NEW YORK CITY - EFFECTIVE JAN 2015.

CONSERVATION CONSTRUCTION CODE OF

ALERT ANY ITEM ON THESE PLANS IN ANY WAY. IF

EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER

THIS PLAN IS APPROVED ONLY FOR WORK

NYC BUILDING DEPARTMENT APPROVAL NOTE:

SHOWN ARE NOT TO RELIED UPON, OR TO

SPECIFICATION SHEET. ALL OTHER MATTERS

INDICATED ON THE APPLICATION

TO THE BEST OF MY KNOWLEDGE, BELIEF

ALTERATIONS TO THESE PLANS ARE MADE, THE ALTERATIONS

IN ANY WAY. IF

THIS PLAN IS APPROVED ONLY FOR WORK

NYC BUILDING DEPARTMENT APPROVAL NOTE:

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ALTERATIONS TO THESE PLANS ARE MADE, THE ALTERATIONS

IN ANY WAY. IF

THIS PLAN IS APPROVED ONLY FOR WORK

NYC BUILDING DEPARTMENT APPROVAL NOTE:
NOTES:
1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.
2. SEE DRAWING E-002 FOR LIGHT FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BATTERY BALLASTS, SENSING LINE TO BE CONNECTED IN FRONT OF AND IN FRONT OF ANY SWITCHING/CONTROL.
4. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:
   'A' TO PANEL 'ELT-10' (A#)
   'B' TO PANEL 'ELT-11' (B#)
   'C' TO PANEL 'ELT-12' (C#)
   'D' TO PANEL 'ELT-13' (D#)

ENERGY NOTES:
1. SEE DRAWING EN-102 FOR LIGHT FIXTURE SCHEDULES.
2. INDEPENDENT MANUAL CONTROL IS PROVIDED FOR EACH SPACE, EXCEPT FOR STAIRS AND CORRIDORS (TYPICAL FOR ALL FLOORS).
3. NOT USED.
4. ALL EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.
5. ALL LIGHTING IN PUBLIC AREAS SHALL BE CONTROLLED VIA TIMECLOCK THROUGH LIGHTING CONTROL PANELS, EXCEPT FOR COMMON CORRIDOR LIGHTING.
NOTES:

1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.
2. SEE DRAWING E-002 FOR LIGHT FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BATTERY BALLASTS, SENSING LINE TO BE CONNECTED AHEAD OF ANY SWITCHING/CONTROLS.
4. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:
   - 'A' TO PANEL 'ELT-10' (A#)
5. ALL EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.
6. ALL LIGHTING IN PUBLIC AREAS SHALL BE CONTROLLED VIA TIMECLOCK THROUGH LIGHTING CONTROL PANELS, EXCEPT FOR COMMON CORRIDOR LIGHTING.

ENERGY NOTES:

1. SEE DRAWING EN-102 FOR LIGHT FIXTURE SCHEDULES.
2. INDEPENDENT MANUAL CONTROL IS PROVIDED FOR EACH SPACE, EXCEPT FOR STAIRS AND CORRIDORS (TYPICAL FOR ALL FLOORS).
3. NOT USED.
4. ALL EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.
5. ALL LIGHTING IN PUBLIC AREAS SHALL BE CONTROLLED VIA TIMECLOCK THROUGH LIGHTING CONTROL PANELS, EXCEPT FOR COMMON CORRIDOR LIGHTING.
4. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:

3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BALLASTS, SENSING LINE TO BE CONNECTED BEFORE PANEL 'ELT-10' (A#)

B43 LT53

LT50 B43

B43 LT54

LT54 B43

B43 LT01 LT02

LT01 LT01 LT02 EM

LT49 LT49 B43 B43

LT54 B43 B43 B43 B43

EM F1E B20WP LT51 LT51

EM B43B43

F1E EM A9

LT54 EM LIGHT & TREE FIXTURE B2 B2 B22 B22 B22 B22

EM EM A9 EM B43

A14 & TREE FIXTURE

REMINDER: IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW TO ALTER ANY ITEM ON THESE PLANS IN ANY WAY. IF ANY CHANGES ARE MADE TO THESE PLANS, THEY MUST BE APPROVED BY THE DESIGNER AND ARCHITECT.

NOTES:

1. THE DYNAMICS OF THE LIGHTING SCHEME ARE SHOWN ON PLAN.
2. LIGHTING CONTROL SYSTEMS ARE SHOWN ON PLAN, THEY WILL BE CONNECTED TO THE LIGHTING CONTROL PANELS.
3. LIGHTING CONTROL PANELS WILL BE LOCATED IN THE COMMON AREA.
4. LIGHTING CONTROL PANELS WILL BE LOCATED ON THE COMMON AREA.

AREA NOT IN SCOPE OF WORK

NEW YORK CITY - EFFECTIVE JAN 2015.

PLANS AND SPECIFICATIONS PREPARED BY

VAN DEUSEN & ASSOCIATES (VDA)

21 Penn Plaza, New York, NY 10001 212-479-5400

LANGAN ENGINEERING

DESIMONE CONSULTING ENGINEERS

FXFOWLE ARCHITECTS, LLP | 22 WEST 19TH STREET | NEW YORK, NY 10011 | T 212.627.1700 | F 212.463.8716 | WWW.FXFOWLE.COM

Seal: Drawn: Project No.:

NO. REVISIONS | SUBMISSIONS DATE

42 TRINITY PLACE

DOB SUBMISSION 08.08.2016

FXFOWLE ARCHITECTS, LLP | ALL RIGHTS RESERVED
5. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:

3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BALLASTS, SENSING LINE TO BE CONNECTED AHEAD OF

2. SEE DRAWING E-002 FOR LIGHT FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.

1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.

6. ALL EXIT SIGNS SHALL BE CIRCUITED PANEL 'ELT-10' #6, U.O.N.

4. APARTMENT LIGHTING SHALL BE CIRCUITED TO ITS RESPECTIVE APARTMENT PANEL, CIRCUIT #16, U.O.N.

ANY SWITCHING/CONTROLS.

3. ALL DWELLING UNITS ARE EXEMPT AS PER ASHRAE 90.1 (2010) SECTION 9.1.1, EXCEPTION (b): DWELLING UNITS

2. INDEPENDENT MANUAL CONTROL IS PROVIDED FOR EACH SPACE, EXCEPT FOR STAIRS AND CORRIDORS

1. SEE DRAWING EN-102 FOR LIGHT FIXTURE SCHEDULES.

5. ALL LIGHTING IN PUBLIC AREAS SHALL BE CONTROLLED VIA TIMECLOCK THROUGH LIGHTING CONTROL PANELS,

4. ALL EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.

MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES, OTHER THAN LOW-VOLTAGE

FIXTURES SHALL CONTAIN ONLY HIGH EFFICACY LAMPS. 100% OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES

LIGHTING, SHALL BE HIGH EFFICACY LAMPS, OR A MINIMUM OF 75% OF THE PERMANENTLY INSTALLED LIGHTING

EXCEPT FOR COMMON CORRIDOR LIGHTING.

100% OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES
1. See Drawing EN-102 for lighting fixtures schedule.

2. See Drawing E-002 for light fixture schedule and additional information.

3. Lighting plan shall be arranged to maximize energy savings while maintaining form and function.

4. Lighting fixtures shall contain only high efficacy lamps. 100% of the permanently installed lighting fixtures within commercial buildings shall not be required to comply with this section provided that a professional engineer certifies in writing that the energy savings achieved by not complying with this section is greater than the energy used by the additional fixtures that are required to comply with this section.

5. All lighting in public areas shall be controlled via timeclock through lighting control panels.

6. See note #7 (typ).

7. All exit signs shall be circuit on panel 'ELT-10' #6, U.O.N.

8. Emergency back of house lighting on floors (16-22) shall be circuit on panel 'ELT-10' #13.

9. Emergency lighting on floors 17-22 shall be circuit on panel 'ELT-10' #12, U.O.N.

10. All exit signs shall be circuit panel 'ELT-10' #6, U.O.N.

11. See note #7 (typ).
1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.

2. SEE DRAWING E-002 FOR LIGHT FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.

3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BATTERY BALLASTS, SENSING LINE TO BE CONNECTED AHEAD OF ANY

4. EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.

5. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:

6. ALL EXIT SIGNS SHALL BE CIRCUITED PANEL 'ELT-10' #6, U.O.N.

7. CORRIDOR EMERGENCY LIGHTING SHALL BE CIRCUITED TO PANEL 'ELT-10' #12, U.O.N.

8. SEE ARCHITECTURAL RCP DRAWINGS FOR FINAL LOCATIONS OF LIGHT FIXTURES.
1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.

2. INDEPENDENT MANUAL CONTROL IS PROVIDED FOR EACH SPACE, EXCEPT FOR STAIRS AND CORRIDORS.

ENERGY NOTES:
- LIGHTING, SHALL BE HIGH EFFICACY LAMPS, OR A MINIMUM OF 75% OF THE PERMANENTLY INSTALLED LIGHTING.
- CONTAIN HIGH EFFICACY LAMPS. REFER TO LIGHT FIXTURE SCHEDULE ON EN-102 FOR ADDITIONAL INFORMATION.

REVIEWED: 11/13/15
5. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:

3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BALLASTS, SENSING LINE TO BE CONNECTED AHEAD OF

1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.

NOTES:

- CORRIDOR EMERGENCY LIGHTING SHALL BE CIRCUITED TO PANEL 'ELT-26' #6, U.O.N.
  - 'D' TO PANEL 'HP-10' (D#)
  - 'C' TO PANEL 'HP-27' (C#)
  - 'A' TO PANEL 'ELT-10' (A#)

5. ALL LIGHTING IN PUBLIC AREAS SHALL BE CONTROLLED VIA TIMECLOCK THROUGH LIGHTING CONTROL PANELS,

2. INDEPENDENT MANUAL CONTROL IS PROVIDED FOR EACH SPACE, EXCEPT FOR STAIRS AND CORRIDORS

1. SEE DRAWING EN-102 FOR LIGHT FIXTURE SCHEDULES.

ENERGY NOTES:

- EXCEPT FOR COMMON CORRIDOR LIGHTING.
- SHALL BE HIGH EFFICACY LAMPS, OR A MINIMUM OF 75% OF THE PERMANENTLY INSTALLED LIGHTING
  - MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES, OTHER THAN LOW-VOLTAGE

4TH BEDROOM

S. BATH 3

FOYER

2ND BEDROOM

PD. RM

TRASH

M. BATH 2

WC W/D

GALLERY

BEDROOM

WC

B

LT01

8' - 0"B

LT-12C

#16

#16J

LT-03

CL

LT14

8' - 6"B

#16

8' - 0"B

#16

#16

8' - 6"B

LT01

8' - 6"

8' - 0"B

LT01

EM

OS

LT-03

8' - 0"B

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01

8' - 6"

LT01
1. ALL EXIT SIGNS SHALL BE CIRCUITED PANEL 'ELT-26' #2, U.O.N.

2. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:

3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BATTERY BALLASTS, SENSING LINE TO BE CONNECTED AHEAD OF ANY SWITCHING/CONTROLS.

4. APARTMENT LIGHTING SHALL BE CIRCUITED TO ITS RESPECTIVE APARTMENT PANEL, CIRCUIT #16.

5. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:

6. ALL EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.

7. ALL DWELLING UNITS ARE EXEMPT AS PER ASHRAE 90.1 (2010) SECTION 9.1.1, EXCEPTION (b): DWELLING UNITS DESIGNED TO PROVIDE ADDITIONAL 2 HR.

8. LIGHTING, SHALL BE HIGH EFFICACY LAMPS, OR A MINIMUM OF 75% OF THE PERMANENTLY INSTALLED LIGHTING CONTAIN HIGH EFFICACY LAMPS. REFER TO LIGHT FIXTURE SCHEDULE ON EN-102 FOR ADDITIONAL INFORMATION.

9. MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES, OTHER THAN LOW-VOLTAGE (TYPICAL FOR ALL FLOORS).

10. CONSERVATION CONSTRUCTION CODE OF THIS OFFICE FOR THE REFERENCE PROJECT PLANS AND SPECIFICATIONS PREPARED BY AND PROFESSIONAL JUDGMENT, THESE TO THE BEST OF MY KNOWLEDGE, BELIEF

WARNING: IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER

ANY ITEM ON THESE PLANS IN ANY WAY. IF

SHALL BE MADE IN ACCORDANCE WITH ARTICLE 145 -
5. All lighting in public areas shall be controlled via timeclock through lighting control panels, except for common corridor lighting.

4. All exit signs are 2.2W per side and it complies with ASHRAE 90.1 (2010) as per section 9.4.2.

3. Note used.

ENERGY NOTES:

Lighting in response to available daylight with at least one control step that is between 50% and 100%

Except for common corridor lighting.

5. Exit signs shall have integral emergency ballasts, sensing line to be connected ahead of the exit.

6. See Lutron one line diagram on drawing E-600 for additional information.

5. All exit signs shall be circuited panel 'ELT-26' #2, U.O.N.
1. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BATTERY BALLASTS, SENSING LINE TO BE CONNECTED AHEAD OF ANY SWITCHING/CONTROLS.

2. SEE DRAWING E-002 FOR LIGHT FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.

3. EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.

4. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:
   - 'E' TO PANEL 'HP-10' (E#)
   - 'C' TO PANEL 'HP-39' (C#)
   - 'B' TO PANEL 'ELT-26' (B#)
   - 'A' TO PANEL 'ELT-10' (A#)

5. ALL TERRACE LIGHTING SHALL BE CIRCUITED TO PANEL 'HP-37AM' CIRCUIT #20, U.O.N.

6. ALL EXIT SIGNS SHALL BE CIRCUITED PANEL 'ELT-26' #2, U.O.N.

NOTES:

- SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.

- DRAWING TITLE: 42 TRINITY PLACE 38TH FLOOR ENERGY LIGHTING PLAN

- date: 02/17/16

- reviewed: ED

- checked: BSH

- Drawing No.: 1669

- Cad File: 02/17/16

- 1/8" = 1'-0"
NOTES:
1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.
2. SEE DRAWING E-002 FOR LIGHT FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BALLASTS, SENSING LINE TO BE CONNECTED BEFORE SWITCHING/CONTROLS.
4. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:
   - 'A' TO PANEL 'ELT-10' (A#)
   - 'B' TO PANEL 'ELT-26' (B#)
   - 'C' TO PANEL 'HP-39' (C#)
   - 'D' TO PANEL 'HP-10' (D#)
5. ALL EXIT SIGNS SHALL BE CIRCUITED PANEL 'ELT-26' #2, U.O.N.

INCLUDED:
1. SEE DRAWING E-001 FOR THE FULLER DESCRIPTION.
2. LIGHTING SCHEDULES ARE PROVIDED.
3. MANUAL CONTROLS ARE PROVIDED.
4. ALARM SYSTEMS ARE PROVIDED.
5. EXIT SIGNS ARE PROVIDED.
6. ALL LIGHTING SHALL BE UNDER THE CONTROL OF A TIMECLOCK THROUGH LIGHTING CONTROL PANELS, EXCEPT FOR COMMON CORRIDOR LIGHTING.

EN-239.00
39TH FLOOR ENERGY LIGHTING PLAN

ENERGY NOTES:
1. SEE DRAWING EN-102 FOR LIGHT FIXTURE SCHEDULES.
2. INDEPENDENT MANUAL CONTROL IS PROVIDED FOR EACH SPACE, EXCEPT FOR STAIRS AND CORRIDORS (TYPICAL FOR ALL FLOORS).
3. NOTE USED.
4. ALL EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.
5. ALL LIGHTING IN PUBLIC AREAS SHALL BE CONTROLLED VIA TIMECLOCK THROUGH LIGHTING CONTROL PANELS, EXCEPT FOR COMMON CORRIDOR LIGHTING.
NOTES:
1. SEE DRAWING E-001 FOR NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST.
2. SEE DRAWING E-002 FOR LIGHT Fixture SCHEDULE AND ADDITIONAL INFORMATION.
3. EXIT SIGNS SHALL HAVE INTEGRAL EMERGENCY BALLASTS, SENSING LINE TO BE CONNECTED BEHIND ANY SWITCHING/CONTROLS.
4. CIRCUITS WITH THE FOLLOWING PREFIXES SHALL BE CONNECTED AS STATED BELOW:
   - 'A' TO PANEL 'ELT-10' (A#)
   - 'B' TO PANEL 'ELT-26' (B#)
   - 'C' TO PANEL 'HP-39' (C#)
5. ALL EXIT SIGNS SHALL BE CIRCUITED PANEL 'ELT-26' #2, U.O.N.

ENERGY NOTES:
1. SEE DRAWING EN-102 FOR LIGHT Fixture SCHEDULES.
2. INDEPENDENT MANUAL CONTROL IS PROVIDED FOR EACH SPACE, EXCEPT FOR STAIRS AND CORRIDORS (TYPICAL FOR ALL FLOORS).
3. NOTE USED.
4. ALL EXIT SIGNS ARE 2.2W PER SIDE AND IT COMPLIES WITH ASHRAE 90.1 (2010) AS PER SECTION 9.4.2.
5. ALL LIGHTING IN PUBLIC AREAS SHALL BE CONTROLLED VIA TIMECLOCK THROUGH LIGHTING CONTROL PANELS, EXCEPT FOR COMMON CORRIDOR LIGHTING.
1. CONSTRUCTION MANAGER TO COORDINATE DURING CONSTRUCTION TO ENSURE AIR SYSTEMS ARE BALANCED BEFORE CEILINGS ARE INSTALLED.

3. ALL EQUIPMENT LOCATIONS, DUCTWORK AND PIPING ROUTING SHALL BE THERMOSTAT FOR EVERY VRF INDOOR UNIT IN APARTMENTS.

6. ALL KITCHENS IN APARTMENTS AND AMENITY SPACES TO BE EXHAUSTED BY CONNECT KITCHEN EXHAUST DUCTWORK MANUFACTURER REQUIREMENTS.

7. ALL CR-A CEILING RETURN GRILLES IN LR-C CEILING RETURN LINEAR DIFFUSERS IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACoustically LINED.

8. FOR EVERY MECHANICAL ROOM FROM 9TH FLOOR AND UP CONTAINING ONE OR MORE CONDENSING UNIT, PROVIDE LEAK DETECTION SYSTEM TO COMPRISE (MIN. OF 6 SPOTS NEXT TO THE MECHANICAL ROOM ENTRANCES IN CORRIDORS. TO BE PROVIDED S.F. NET FREE AREA PER LEED REQ'TS) CONDENSING UNITS ACCORDING TO INTAKE AIR LOUVER FOR RESIDENTIAL LOBBY AC UNIT FOR RETAIL AC UNIT WITH 2 S.F. NET FREE AREA WITH 16.0 S.F. NET FREE AREA WITH 0.5 S.F. NET FREE AREA.

10. PROVIDE EACH EVAPORATOR WITH A FSD MATCH LINE A1 / A-201.A ECH-2 MD FOR VESTIBULE 6"x6" 8"x8" 14"x14" 12"x12" 18"x16" 22"x12" 150 CFM CONNECTION T SUPPLY DN 3" HWS&R PIPING TO BE INSULATED PER MANUFACTURER'S REQUIREMENTS WITH TEH-2 PLENUM TO BE SEPARATED FOR THIS FLOOR.

11. COORDINATE ALL EXTERIOR EXHAUST DISCHARGES WITH OPERABLE OPENINGS LOCATE ALL LINEAR FD 50 CFM 40"x18" 42"x24" 18"x16" WATER DISH fans TO CELLAR & STAIR B PE 1 PE 2 2"ø SHORT CONNECTIONS OF MFG. RECOMMENDED SERVICE CONSTANTS.

12. PROVIDE 1" ACOUSTICAL LINING FOR ALL EXTERIOR TERMINATIONS SHALL BE PROVIDED WITH WIRE MESH & AMCA FINISH SHALL BE COORDINATED WITH TEMPORARY UNIT HEATERS FOR RETAIL SPACE GFI, 18" CLEARANCE FOR ALL EQUIPMENT.

13. ALL EXTERIOR TERMINATIONS SHALL BE PROVIDED WITH WIRE MESH & AMCA CLEARANCE FOR ALL EQUIPMENT.

14. MAINTAIN MFG. RECOMMENDED SERVICE CLEARANCE FOR ALL EQUIPMENT. PENETRATIONS THROUGH 2 HOUR RATEd SHAFT WALLS OR FIRE BARRIER WALLS.
1. Construction Manager to coordinate during construction to ensure air systems are balanced before installation.

2. All elbows to be provided with thermostats for every VRF indoor unit.

5. All side wall and ceiling linear diffusers shown on mechanical plans are active length sections.

9. All floor and up containing one or more condensing unit, provide leak detection system to comprise of refrigerant leak sensors and inside the mechanical rooms and next to the mechanical room entrances in corridors.

10. Provide each evaporator with a condensate drain line pitched at least 1/16" per foot, routed to secondary waste funnel at clothes property line.

11. Coordinate all exterior exhaust ductwork terminations to maintain 10 foot clearance from the property line and 10 foot above the ground.
MATERIAL KEYING LEGEND:

MECHANICAL FLOORPLAN NOTES

1. ALL ELBOWS TO BE PROVIDED WITH TURNING VANES.
2. ALL EQUIPMENT LOCATIONS, DUCTWORK AND PIPING ROUTING SHALL BE WITH ALL OTHER TRADES PRIOR TO UNIT IN APARTMENTS.
3. ALL SIDEWALL AND CEILING LINEAR DIFFUSERS SHOWN ON MECHANICAL PLANS ARE ACTIVE LENGTH SECTIONS.
4. REFER TO ARCHITECTURAL AND INTERIOR OF LINEAR DIFFUSERS. AMENITY SPACES TO BE EXHAUSTED BY REFER TO INTERIOR DESIGNER DRAWINGS FOR KITCHEN HOOD INFORMATION.
5. ALL CR-A CEILING RETURN GRILLES IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED ELBOW ABOVE CEILING. ALL LR-B CEILING RETURN LINEAR DIFFUSERS IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED RETURN AIR PLENUM. REFER TO MECHANICAL DETAILS DRAWINGS FOR 9TH FLOOR AND UP CONTAINING ONE OR REFRIERANT LEAK DETECTION SYSTEM. OF REFRIGERANT SENSORS AND VISUAL AND AUDIBLE ALARM SYSTEMS NEXT TO THE MECHANICAL ROOM ENTRANCES IN CORRIDORS.
6. PROVIDE EACH EVAPORATOR WITH A PROPERTY LINE CONDENSATE DRAIN LINE PITCHED AT LEAST 1/16" PER FOOT, ROUTED TO PROPERTY LINE WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS NEIGHBOR. DISCHARGE SHALL BE AT MATCH LINE A1 / A-203.B LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 SQ. FT. FREE AREA. LOUVER SPEC SHALL BE PROVIDED BY ARCHITECT.
7. PROVIDE CLEANOUTS WITH 12" X 12" CLEARANCE FOR ALL EQUIPMENT. COORDINATE WITH ARCHITECT FOR PROPERTY LINE CLEARANCE FOR ALL EQUIPMENT. COORDINATE WITH ARCHITECT FOR PROPERTY LINE CLEARANCE FOR ALL EQUIPMENT.
8. PROVIDE EACH EVAPORATOR WITH A PROPERTY LINE CONDENSATE DRAIN LINE PITCHED AT LEAST 1/16" PER FOOT, ROUTED TO PROPERTY LINE WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS NEIGHBOR. DISCHARGE SHALL BE AT MATCH LINE A1 / A-203.B LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 SQ. FT. FREE AREA. LOUVER SPEC SHALL BE PROVIDED BY ARCHITECT.
9. ALL CR-A CEILING RETURN GRILLES IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED ELBOW ABOVE CEILING. ALL LR-B CEILING RETURN LINEAR DIFFUSERS IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED RETURN AIR PLENUM. REFER TO MECHANICAL DETAILS DRAWINGS FOR 9TH FLOOR AND UP CONTAINING ONE OR REFRIERANT LEAK DETECTION SYSTEM. OF REFRIGERANT SENSORS AND VISUAL AND AUDIBLE ALARM SYSTEMS NEXT TO THE MECHANICAL ROOM ENTRANCES IN CORRIDORS.
10. PROVIDE EACH EVAPORATOR WITH A PROPERTY LINE CONDENSATE DRAIN LINE PITCHED AT LEAST 1/16" PER FOOT, ROUTED TO PROPERTY LINE WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS NEIGHBOR. DISCHARGE SHALL BE AT MATCH LINE A1 / A-203.B LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 SQ. FT. FREE AREA. LOUVER SPEC SHALL BE PROVIDED BY ARCHITECT.
11. PROVIDE EACH EVAPORATOR WITH A PROPERTY LINE CONDENSATE DRAIN LINE PITCHED AT LEAST 1/16" PER FOOT, ROUTED TO PROPERTY LINE WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS NEIGHBOR. DISCHARGE SHALL BE AT MATCH LINE A1 / A-203.B LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 SQ. FT. FREE AREA. LOUVER SPEC SHALL BE PROVIDED BY ARCHITECT.
1. Construction Manager to coordinate during construction to ensure air systems are balanced before ceilings are installed.

2. All elbows to be provided with turning vanes.

3. All equipment locations, ductwork coordinated and determined in field conflicts during installation.

4. Provide 7-day programmable remote thermostat for every VRF indoor.

5. All sidewall and ceiling linear diffusers shown on mechanical plans are active length sections. Design drawings for overall length of linear diffusers.

6. Kitchen hoods equipped with Bosch CFM Reducer Model HUIRED56UC. Refer to interior designer drawings.

7. Connect Kitchen exhaust ductwork to kitchen hoods per kitchen hood.

8. Ceiling return grilles in apartments and amenity spaces to be provided with acoustically lined elbow above ceiling. All LR-B ceiling return linear diffusers in apartments and amenity spaces to be provided with acoustically lined.

9. Provide refrigerant piping from all condensing units according to (typ). All refrigerant risers to be enclosed in 2 hour rated shafts. Corridors and vertical refrigerant 2HR fire rated enclosure, unless less than 10 lbs as indicated in equipment schedule. All refrigerant manufacturer's requirements with property line.

10. Condensate drain line pitched at least 1/16" per foot, routed to apartment.

11. Coordinate all exterior exhaust discharges with operable openings to maintain 2' from opening into the same dwelling unit & 3' from neighbor. Discharge shall be at least 10' from adjoining grade.

12. Provide cleanouts with 12" x 12" access door on dryer exhaust at 16. Provide clear openings above penetrations through 2 hour rated shaft walls or fire barrier walls.

13. All exterior terminations shall be provided with wire mesh & AMCA 550 certified weatherproof louvers.

14. Maintain MFG. recommended service clearance for all equipment. Coordinate with architect for access panel specs and location.

15. Provide refrigerant leak detection system. Of refrigerant sensors and visual and audible alarm systems inside the mechanical rooms and next to the mechanical room entrances in corridors.

16. Refrigerant piping from all condensing units according to (typ). All refrigerant risers to be enclosed in 2 hour rated shafts. Corridors and vertical refrigerant 2HR fire rated enclosure, unless less than 10 lbs as indicated in equipment schedule. All refrigerant manufacturer's requirements with property line and 10 foot above property line.

17. Exterior terminations shall be provided with wire mesh & AMCA 550 certified weatherproof louvers.

18. Provide cleaning with 12" x 12" access door on dryer exhaust at 16. Provide clear openings above penetrations through 2 hour rated shaft walls or fire barrier walls.

19. Provide cleaning with 12" x 12" access door on dryer exhaust at 16. Provide clear openings above penetrations through 2 hour rated fire partition walls.

20. Provide cleaning with 12" x 12" access door on dryer exhaust at 16. Provide clear openings above penetrations through 2 hour rated fire partition walls.

21. Ductwork penetrating the building envelope shall be sealed to prevent air leakage through the duct system and/or the building envelope. This includes but is not limited to roof curbs and exterior wall exhaust/intake vents.
MATERIAL KEYING LEGEND:

NORTH

MECHANICAL FLOORPLAN NOTES

DURING CONSTRUCTION TO ENSURE AIR SYSTEMS ARE BALANCED BEFORE CEILINGS ARE INSTALLED.

V TURNTING VANES.

3. ALL EQUIPMENT LOCATIONS, DUCTWORK AND PIPING ROUTING SHALL BE COORDINATED AND DETERMINED IN FIELD WITH ALL OTHER TRADES PRIOR TO CONSTRUCTION TO AVOID ANY POSSIBLE CONFLICTS DURING INSTALLATION.

4. PROVIDE 7 DAY PROGRAMMABLE REMOTE THERMOSTAT FOR EVERY VRF INDOOR UNIT IN APARTMENTS.

5. ALL SIDEWALL AND CEILING LINEAR REFER TO ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS FOR OVERALL LENGTH OF LINEAR DIFFUSERS.

6. ALL KITCHENS IN APARTMENTS AND AMENITY SPACES TO BE EXHAUSTED BY CFM REDUCER MODEL HUIRED56UC. REFER TO INTERIOR DESIGNER DRAWINGS FOR KITCHEN HOOD INFORMATION. MANUFACTURER REQUIREMENTS.

7. ALL CR-A BE PROVIDED WITH ACOUSTICALLY LINED & LR-C RETURN AIR PLENUM. REFER TO MORE INFORMATION.

8. FOR EVERY MECHANICAL ROOM FROM 9TH FLOOR AND UP CONTAINING ONE OR MORE CONDENSING UNIT, PROVIDE REFRIGERANT LEAK DETECTION SYSTEM. REFER TO REFRIGERANT LEAK SENSORS AND VISUAL AND AUDIBLE ALARM SYSTEMS INSIDE THE MECHANICAL ROOMS AND NEXT TO THE MECHANICAL ROOM ENTRANCES IN CORRIDORS. AC UNITS (EVAPORATORS) TO MANUFACTURER’S RECOMMENDATIONS CORRIDORS AND VERTICAL REFRIGERANT LESS THAN 10 LBS AS INDICATED IN MINIMUM INSULATION OF 1.5".

9. MAINTAIN MFG. RECOMMENDED SERVICE 15. PROVIDE CLEANOUTS WITH 12" X 12" ACCESS DOOR ON DRYER EXHAUST AT ALL OFFSETS IN SHAFT.

10. PROVIDE CLEAR OPENINGS ABOVE CEILING FOR RETURN AIR BACK TO EVAPORATOR.

11. COORDINATE ALL EXTERIOR EXHAUST DISCHARGES WITH OPERABLE OPENINGS TO MAINTAIN 2' FROM OPENING INTO THE SAME DWELLING UNIT & 3' FROM NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 SQ. FT. FREE AREA. LOUVER SPEC SHALL BE PROVIDED BY ARCHITECT.

12. COORDINATE ALL EXTERIOR INTAKE DUCTWORK TERMINATIONS TO MAINTAIN 10 FOOT CLEARANCE FROM THE PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE. PROVIDED WITH WIRE MESH & AMCA 550 CERTIFIED WEATHERPROOF LOUVERS.

13. MAINTAIN MFG. RECOMMENDED SERVICE 15. PROVIDE CLEANOUTS WITH 12" X 12" ACCESS DOOR ON DRYER EXHAUST AT ALL OFFSETS IN SHAFT.

14. MAINTAIN MFG. RECOMMENDED SERVICE 15. PROVIDE CLEANOUTS WITH 12" X 12" ACCESS DOOR ON DRYER EXHAUST AT ALL OFFSETS IN SHAFT.

16. PROVIDE CLEAR OPENINGS ABOVE CEILING FOR RETURN AIR BACK TO EVAPORATOR.

17. PROVIDE FIRE SMOKE DAMPERS AT ALL PENETRATIONS THROUGH 2 HOUR RATED FIRE PARTITION WALLS. PROVIDE FIRE DAMPERS AT ALL AMENITY SPACES. ALL DUCTWORK SIZES OF DUCT AFTER ANY APPLICABLE ACOUSTICAL LINING.

18. PROVIDE A DEDICATED 8" OD EXHAUST HOOD FOR THE MECHANICAL ROOM MEETING ALL CODE REQUIREMENTS.

19. PROVIDE A DEDICATED 8" OD EXHAUST HOOD FOR THE MECHANICAL ROOM MEETING ALL CODE REQUIREMENTS.

20. PROVIDE A DEDICATED 8" OD EXHAUST HOOD FOR THE MECHANICAL ROOM MEETING ALL CODE REQUIREMENTS.
MATERIAL KEYING LEGEND:

1. CONSTRUCTION MANAGER TO COORDINATE DURING CONSTRUCTION TO ENSURE AIRSYSTEMS ARE BALANCED BEFORE
2. ALL ELBOWS TO BE PROVIDED WITH TURNING VANES.
3. ALL PIPING ROUTING SHALL BE COORDINATED AND DETERMINED IN FIELD.
4. THERMOSTAT FOR EVERY VRF INDOOR
5. ALL SIDEWALL AND CEILING LINEAR DIFFUSERS SHOWN ON MECHANICAL PLANS ARE ACTIVE LENGTH SECTIONS.
6. ALL KITCHENS IN APARTMENTS AND AMENITY SPACES TO BE EXHAUSTED BY KITCHEN HOODS EQUIPPED WITH BOSCH CFM REDUCER MODEL HUIRED56UC.
7. REFER TO INTERIOR DESIGNER DRAWINGS TO CONNECT KITCHEN EXHAUST DUCTWORK.
8. ALL CR-A & LR-C CEILING RETURN LINEAR DIFFUSERS IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED.
9. PROVIDE REFRIGERANT PIPING FROM ALL AC UNITS (EVAPORATORS) TO REFRIGERANT PIPING IN EGRESS CORRIDORS AND VERTICAL REFRIGERANT PIPING RISERS SHALL BE ENCLOSED IN EQUIPMENT SCHEDULE. ALL REFRIGERANT PIPING TO BE INSULATED PER MANUFACTURER'S REQUIREMENTS WITH MINIMUM INSULATION OF 1.5".
10. PROVIDE EACH EVAPORATOR WITH A SECONDARY WASTE FUNNEL AT CLOTHES LOCATION
11. COORDINATE ALL EXTERIOR EXHAUST DUCTWORK TERMINATIONS TO MAINTAIN 2' FROM OPENING INTO THE SAME DWELLING UNIT & 3' FROM NEIGHBOR. DISCHARGE SHALL BE AT 30 FT VERTICALLY ABOVE LOCATION.
12. COORDINATE ALL EXTERIOR INTAKE DUCTWORK TERMINATIONS TO MAINTAIN 10 FOOT CLEARANCE FROM THE PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE.
13. ALL EXTERIOR TERMINATIONS SHALL BE 550 CERTIFIED WEATHERPROOF LOUVERS. FINISH SHALL BE COORDINATED WITH ARCHITECT.
14. MAINTAIN MFG. RECOMMENDED SERVICE COORDINATE WITH ARCHITECT FOR ALL OFFSETS IN SHAFT.
15. PROVIDE CLEANOUTS WITH 12" X 12" ACCESS DOOR ON DRYER EXHAUST AT ALL OFFSETS IN SHAFT.
16. PROVIDE CLEAR OPENINGS ABOVE PROPERTY LINE SE 1 SE 2 SCHOOL (SCA) INTERIOR SPACE WILL BE FILED UNDER SEPARATE APPLICATION, INTERIOR PARTITIONS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
17. PROVIDE FIRE DAMPERS AT ALL PENETRATIONS THROUGH 2 HOUR RATED FIRE PARTITION WALLS.
18. ACOUSTICAL LINING.
19. HEATING AND COOLING SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED TO A MINIMUM R-6 IN UNCONDITIONED SPACE, AND R-8 WHEN LOCATED OUTSIDE THE BUILDING.
20. WHEN SERVING 300 CFM OR LESS, HAVING MAXIMUM LEAKAGE RATE OF 20 CFM/SQ. FT. AT 1 INCH PRESSURE GAUGE.
21. DUCTWORK PENETRATING THE BUILDING ENVELOPE SHALL BE SEALED TO PREVENT AIR LEAKAGE THROUGH THE DUCT.
1. NORTH DURING CONSTRUCTION TO ENSURE AIR SYSTEMS ARE BALANCED BEFORE CEILINGS ARE INSTALLED.

2. TURNING VANES.

3. ALL EQUIPMENT LOCATIONS, DUCTWORK AND PIPING ROUTING SHALL BE CONFLICTS DURING INSTALLATION.

4. THERMOSTAT FOR EVERY VRF INDOOR KITCHEN HOODS EQUIPPED WITH BOSCH FOR KITCHEN HOOD INFORMATION.

5. ALL SIDEWALL AND CEILING LINEAR DIFFUSERS SHOWN ON MECHANICAL PLANS ARE ACTIVE LENGTH SECTIONS.

6. KITCHEN HOODS EQUIPPED WITH BOSCH FOR KITCHEN HOOD MANUFACTURER REQUIREMENTS.

7. CEILING RETURN GRILLES IN & IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED RETURN AIR PLENUM. REFER TO MECHANICAL DETAILS DRAWINGS FOR MORE INFORMATION.

8. FOR EVERY MECHANICAL ROOM FROM 9TH FLOOR AND UP CONTAINING ONE OR MORE CONDENSING UNIT, PROVIDE REFRIGERANT LEAK DETECTION SYSTEM.

9. PROVIDE REFRIGERANT PIPING FROM ALL AC UNITS (EVAPORATORS) TO REFRIGERANT PIPING IN EGRESS PIPING RISERS SHALL BE ENCLOSED IN 2HR FIRE RATED ENCLOSURE, UNLESS EQUIPMENT SCHEDULE. ALL REFRIGERANT MANUFACTURER'S REQUIREMENTS WITH CONDENSATE DRAIN LINE PITCHED AT LEAST 1/16" PER FOOT, ROUTED TO SECONDARY WASTE FUNNEL AT CLOTHES WASHER DRAIN OUTLET IN EVERY TO MAINTAIN 2' FROM OPENING INTO THE VENT. THIS LOUVER SHALL BE LOCATED 3FT BEYOND THE PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE.

10. PROVIDE CLEANOUTS WITH 12" X 12" CEILING FOR RETURN AIR BACK TO EVAPORATOR.

11. PROVIDE FIRE SMOKE DAMPERS AT ALL OUTDOOR SHAFT WALLS OR FIRE BARRIER WALLS.

12. MAINTAIN MFG. RECOMMENDED SERVICE CLEARANCE FOR ALL EQUIPMENT.

13. ALL EXTERIOR TERMINATIONS SHALL BE PROVIDED WITH WIRE MESH & AMCA 550 CERTIFIED WEATHERPROOF LOUVERS. FINISH SHALL BE COORDINATED WITH ACCESS PANEL SPECS AND LOCATION.

14. PROVIDE CLEAR OPENINGS ABOVE CEILING FOR RETURN AIR BACK TO EVAPORATOR.

15. PROVIDE REFRIGERANT PIPING FROM ALL CONDENSING UNITS TO THE PRIMARY REFRIGERANT PIPING IN EGRESS PIPING RISERS.

16. PROVIDE CLEAR OPENINGS ABOVE CEILING FOR RETURN AIR BACK TO EVAPORATOR.

17. PROVIDE FIRE SMOKE DAMPERS AT ALL OUTDOOR SHAFT WALLS OR FIRE BARRIER WALLS.

18. PROVIDE DIVIDER BETWEEN INTAKE AND EXHAUST FOR INDOOR SUPPLY DUCTWORK IN APARTMENTS AND AMENITY SPACES. ALL DUCTWORK SIZES LIMITED TO ROOF CURBS AND EXTERIOR SHAFT WALL EXHAUST/INTAKE VENTS.

19. BEFORE INSTALLING CEILINGS.

20. ALL EXHAUST AND ALL INTAKE OPENINGS TO BE EQUIPPED WITH MOTORIZED FIRE SMOKE DAMPERS AT ALL CLASSROOM FIRE PARTITION WALLS.

NOTE: SCHOOL (SCA) INTERIOR SPACE WILL BE FILED UNDER SEPARATE APPLICATION, INTERIOR PARTITIONS ARE SHOWN FOR COORDINATION PURPOSES ONLY.

STAIR CUSTODIAN LOCKER CUSTODIAN'S OFFICE GIRLS PROPERTY LINE 1-1/2" FUEL OIL SUPPLY AND RETURN AND 1" NO. REVISIONS | SUBMISSIONS DATE

DRAWING TITLE: 8TH FLOOR MECHANICAL PLAN PROJECT (0,0) DOB SUBMISSION 08.08.2016

PROVE DIVIDER BETWEEN INTAKE AND EXHAUST FOR INDOOR SUPPLY DUCTWORK IN APARTMENTS AND AMENITY SPACES. ALL DUCTWORK SIZES LIMITED TO ROOF CURBS AND EXTERIOR SHAFT WALL EXHAUST/INTAKE VENTS.

MIN 2.0 S.F. FREE AREA LOUVER FOR SHAFT VENT. THIS LOUVER SHALL BE LOCATED 3 FT ABOVE ALL WINDOWS, SIDE & 30 FT VERTICALLY ABOVE.

DEBORAH BERKE PARTNERS 220 Fifth Avenue, 7th Floor, New York, NY 10001 212-229-9211

VAN DEUSEN & ASSOCIATES (VDA) 50 West 23rd Street, 8th Floor, NY 10010 212-366-5600

LANGAN ENGINEERING 22 West 18th Street, 10th Floor, New York, NY 10011 212-532-2211

DAGHER ENGINEERING, PLLC 18 West 18th Street, 10th Floor, New York, NY 10011 212-532-2211

FXFOWLE ARCHITECTS, LLP | 22 WEST 19TH STREET | NEW YORK, NY 10011 | T 212.627.1700 | F 212.463.8716 | WWW.FXFOWLE.COM
1. CONSTRUCTION MANAGER TO COORDINATE

2. ALL ELBOWS TO BE PROVIDED WITH TURNING VANES.

3. AND PIPING ROUTING SHALL BE CONFLICTS DURING INSTALLATION.

4. PROVIDE 7 DAY PROGRAMMABLE REMOTE DIFFUSERS SHOWN ON MECHANICAL PLANS ARE ACTIVE LENGTH SECTIONS.

5. REFER TO ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS FOR OVERALL LENGTH.

6. ALL KITCHENS IN APARTMENTS AND KITCHEN HOODS EQUIPPED WITH BOSCH CFM REDUCER MODEL HUIRED56UC.

7. CONNECT KITCHEN EXHAUST DUCTWORK TO KITCHEN HOODS PER KITCHEN HOOD MANUFACTURER REQUIREMENTS.

8. CEILING RETURN GRILLES IN APARTMENTS AND AMENITY SPACES TO CEILING RETURN LINEAR DIFFUSERS.

9. PROPERTY LINE

10. PROVIDE EACH EVAPORATOR WITH A Louver WITH 46 8x6" AREA.

11. COORDINATE ALL EXTERIOR EXHAUST PIPING TO MAINTAIN 2' FROM OPENING INTO THE SAME DWELLING UNIT & 3' FROM NEIGHBOR. DISCHARGE SHALL BE AT LOUVERS SHALL PROVIDE AT LEAST 0.1 SQ. FT. FREE AREA. LOUVER SPEC SHALL BE PROVIDED BY ARCHITECT.

12. FOR EVERY MECHANICAL ROOM FROM CONNECTION BETWEEN GENERATOR AND DUCT 110" x 90" EXACT SIZE AND OF REFRIGERANT LEAK SENSORS AND VISUAL AND AUDIBLE ALARM SYSTEMS NEXT TO THE MECHANICAL ROOM ENTRANCES IN CORRIDORS.

13. REFER TO SCHOOL HVAC AC UNITS (EVAPORATORS) TO DRAWINGS FOR EXACT SIZE AND LOCATION.

14. SCHOOL BOILERS. MUFFLER TO HAVE A MAXIMUM NOISE PROPERTY LINE

15. EMERGENCY GENERATOR

16. HAVE UNIT MOUNTED EUH-2 CHWS&R REFER TO SCHOOL HVAC DRAWINGS FOR EXACT SIZE AND LOCATION.

17. FIRE SMOKE DAMPERS AT ALL PENETRATIONS THROUGH 2 HOUR RATED FIRE PARTITION WALLS.

18. PROVIDE CLEANOUTS WITH 12" X 12" CLEANOUT AT BASE WALL EXHAUST/INTAKE VENTS.

19. HEATING AND COOLING SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED TO A MINIMUM R-6 IN UNCONDITIONED SPACE, INSIDE OF FIRE PARTITION WALLS.

20. ALL EXHAUST AND ALL INTAKE OPENINGS DAMPER WHEN SERVING MORE THAN 300 CFM. WHEN SERVING 300 CFM OR LESS, PROVIDE GRAVITY BACKDRAFT DAMPER HAVING MAXIMUM LEAKAGE RATE OF 20 AIR LEAKAGE THROUGH THE DUCT.

21. DUCTWORK PENETRATING THE BUILDING FOR 9TH FLOOR EX-2 PROPELLER EXHAUST ROOF BULKHEAD TO ROOF BULKHEAD.

22. 14" BOILER FLUE BULKHEAD FOR SCHOOL BOILERS BASE.

23. PROPERTY LINE

24. CHILLER STREAM, INSIDE OF FIRE RATED SLEEVE FOR FRONT ACCESS TO ACTUATOR.

25. PROPERTY LINE

26. 8" CHWS&R PIPING UP FOR 9TH FLOOR 3" HWS&R PIPING

27. 62 DBA AT 7 METERS 4500 CFM PIPING TO ACTUATOR LOCATED IN AIR

28. EMERGENCY GENERATOR

29. 100 CFM EMERGENCY GENERATOR

30. 8" CHWS&R PIPING UP FOR 9TH FLOOR 3" HWS&R PIPING
1. Construction manager to coordinate.

2. All elbows to be provided with turning vanes.

3. All equipment locations, ductwork coordinated and determined in field conflicts during installation.

4. Unit in apartments.

5. All side wall and ceiling linear refer to architectural and interior of linear diffusers.

6. All kitchens in apartments and CFM reducer model HUIRED56UC. For kitchen hood information.

7. All CR-A ceiling return grilles in apartments and amenity spaces to be provided with acoustically lined return air plenum. Refer to mechanical details drawings for installation.

8. For every mechanical room from more condensing unit, provide refrigerant leak detection system. Leak detection system to comprise of refrigerant leak sensors and visual and audible alarm systems.

9. Provide refrigerant piping from all AC units (evaporators) to refrigerant piping in egress corridors and vertical refrigerant piping risers shall be enclosed in total system refrigerant charge is less than 10 lbs as indicated in equipment schedule. All refrigerant piping to be insulated per SP-1 minimum insulation of 1.5".

10. Provide each evaporator with a condensate drain line pitched at least 1/16" per foot, routed to.

11. Coordinate all exterior exhaust hot water condensing with noise criteria of CS-1.

12. Coordinate all exterior intake exhaust muffler on floor below blade damper, based on noise criteria.

13. Maintain MFG. recommended service on "OBD-S".

14. Provide 1" acoustical lining for all supply ductwork in apartments and amenity spaces. All ductwork sizes listed are inside clear dimensions.

15. Provide fire dampers at all 14"ø.

16. Provide clear openings above ceiling for return air back to evaporator.

17. Provide fire dampers at all 12"ø.

18. Provide 1" acoustical lining for all return ductwork shall be insulated to a minimum R-6 in unconditioned space, and R-8 when located outside the building.

19. Provide roof CURBS AND EXTERIOR WALL EXHAUST/INTAKE VENTS.

20. Provide 1" acoustical lining for all shaft walls or fire barrier walls.

21. Provide fire dampers at all 14"ø.

22. Provide 1" acoustical lining for all shaft walls or fire barrier walls.

23. Provide 1" acoustical lining for all shaft walls or fire barrier walls.

24. Provide 1" acoustical lining for all shaft walls or fire barrier walls.

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60. Provide 1" acoustical lining for all shaft walls or fire barrier walls.
1. CONSTRUCTION MANAGER TO COORDINATE DURING CONSTRUCTION TO ENSURE AIR SYSTEMS ARE BALANCED BEFORE COMPLETION.

3. ALL EQUIPMENT LOCATIONS, DUCTWORK, AND THERMOSTAT FOR EVERY VRF INDOOR EXHAUST SYSTEM TO BE EXHAUSTED BY KITCHEN HOODS EQUIPPED WITH BOSCH CFM REDUCER MODEL HUIRED56UC. FOR KITCHEN HOOD INFORMATION.

5. ALL SIDEWALL AND CEILING LINEAR DIFFUSERS TO BE PROVIDED WITH ACOUSTICALLY LINED ELBOW ABOVE CEILING. ALL LR-B, LR-C, AND LR-D RETURN AIR PLENUM. REFER TO ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS FOR OVERALL LENGTH OF LINEAR DIFFUSERS.

7. MAINTAIN MFG. RECOMMENDED SERVICE CLEARANCE FOR ALL EQUIPMENT.

8. CONDENSATE DRAIN LINE PITCHED AT LEAST 1/16" PER FOOT, ROUTED TO SECONDARY WASTE FUNNEL AT CLOTHES 28x16 TRANSFER TO THE LEFT AND LEAST 10' FROM ADJOINING GRADE.

10. PROVIDE CLEANOUTS WITH 12" X 12" ACCESS PANELS AND LOCATION.

12. MAINTAIN MFG. RECOMMENDED SERVICE CLEARANCE FOR ALL EQUIPMENT.
1. CONSTRUCTION MANAGER TO COORDINATE SYSTEMS ARE BALANCED BEFORE 3. ALL EQUIPMENT LOCATIONS, DUCTWORK AND PIPING ROUTING SHALL BE 4. PROVIDE 7 DAY PROGRAMMABLE REMOTE UNIT IN APARTMENTS. OF LINEAR DIFFUSERS. 7. ALL CR-A U S IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED MORE CONDENSING UNIT, PROVIDE LEAK DETECTION SYSTEM TO COMPRISE VISUAL AND AUDIBLE ALARM SYSTEMS NEXT TO THE MECHANICAL ROOM ENTRANCES IN CORRIDORS. (TYP). ALL REFRIGERANT RISERS TO BE 2HR FIRE RATED ENCLOSURE, UNLESS LESS THAN 10 LBS AS INDICATED IN EQUIPMENT SCHEDULE. ALL REFRIGERANT 10. PROVIDE EACH EVAPORATOR WITH A CONDENSATE DRAIN LINE PITCHED AT LEAST 1/16" PER FOOT, ROUTED TO SP-1 WASHER DRAIN OUTLET IN EVERY 38x16 TRX-1 SAME DWELLING UNIT & 3' FROM NEIGHBOR. DISCHARGE SHALL BE AT SQ. FT. FREE AREA. LOUVER SPEC SHALL BE PROVIDED BY ARCHITECT. TERRACE AT 8TH FLOOR TERRACE AT 8TH FLOOR (BELOW)

27. CONNECT KITCHEN EXHAUST DUCTWORK MANUFACTURER REQUIREMENTS. FOR KITCHEN HOOD INFORMATION. 28. PROVIDE GRAVITY BACKDRAFT DAMPER CFM. WHEN SERVING 300 CFM OR LESS, PROVIDE FIRE DAMERS AT ALL PENETRATIONS THROUGH 2 HOUR RATED 6" DOMESTIC HEATERS LOCATED ON FLOOR 25 & 28 NET FREE AREA WITH 2.28 S.F. INTAKE AIR LOUVER WITH WMS & FREE AREA, AND R-8 WHEN LOCATED 12" X 12" CLEANOUTS WITH 12" X 12" ACCESS DOOR ON DRYER EXHAUST AT HOOD. TYPICAL PENTRATIONS THROUGH 2 HOUR RATED SUPPLY DUCTWORK IN APARTMENTS AND AMENITY SPACES. ALL DUCTWORK SIZES LISTED ARE INSIDE CLEAR DIMENSIONS 14"X8" 16"X12" FOR SCHOOL CHILLER TYPICAL FOR (2) 14" BOILER FLUE UP TO ROOF BULKHEAD FOR SCHOOL BOILERS. 14" BOILER FLUE UP TO ROOF BULKHEAD FOR TYPICAL FOR (5) UP/DN 4' - 6" CLEARANCE FOR ALL EQUIPMENT. 440 CFM LD-A FOR KITCHEN HOOD INFORMATION. 15. PROVIDE CLEANOUTS WITH 12" X 12" CONDENSING UNITS FOR TYPICAL FOR (5) INTAKE AIR LOUVER WITH WMS & FREE AREA, AND R-8 WHEN LOCATED 12" X 12" CLEANOUTS WITH 12" X 12" ACCESS DOOR ON DRYER EXHAUST AT HOOD. TYPICAL PENTRATIONS THROUGH 2 HOUR RATED SUPPLY DUCTWORK IN APARTMENTS AND AMENITY SPACES. ALL DUCTWORK SIZES LISTED ARE INSIDE CLEAR DIMENSIONS 14"X8" 16"X12" FOR SCHOOL CHILLER TYPICAL FOR (2) 14" BOILER FLUE UP TO ROOF BULKHEAD FOR SCHOOL BOILERS. 14" BOILER FLUE UP TO ROOF BULKHEAD FOR TYPICAL FOR (5) UP/DN 4' - 6" CLEARANCE FOR ALL EQUIPMENT. 440 CFM LD-A
1. CONSTRUCTION MANAGER TO COORDINATE
   CEILINGS ARE INSTALLED.
2. PROVIDE 7 DAY PROGRAMMABLE REMOTE
   UNIT IN APARTMENTS.
3. ALL EQUIPMENT LOCATIONS, DUCTWORK
   AND PIPING ROUTING SHALL BE
   REFER TO INTERIOR DESIGNER DRAWINGS
   FOR KITCHEN HOOD INFORMATION.
4. PROVIDE 7 DAY PROGRAMMABLE REMOTE
   UNIT IN APARTMENTS.
5. DIFFUSERS SHOWN ON MECHANICAL PLANS
   ARE ACTIVE LENGTH SECTIONS.
6. ALL KITCHENS IN APARTMENTS AND
   VARIOUS AMENITY SPACES TO BE EXHAUSTED
   BY CONNECT KITCHEN EXHAUST DUCTWORK
   TO MECHANICAL ROOMS.
7. PROVIDE FIRE DAMPERS AT ALL
   FIRE PARTITION WALLS.
8. FOR EVERY MECHANICAL ROOM FROM
   REFRIGERANT PIPING FROM ALL
   ENCLOSED IN 2 HOUR RATED SHAFTS.
9. PROVIDE REFRIGERANT PIPING FROM ALL
   ENCLOSED IN 2 HOUR RATED SHAFTS.
10. TOTAL SYSTEM REFRIGERANT CHARGE IS
    MINIMUM INSULATION OF 1.5".
11. COORDINATE ALL EXTERIOR EXHAUST
    TO MAINTAIN 2' FROM OPENING INTO THE
    SAME DWELLING UNIT & 3' FROM LOUVERS.
12. DUCTWORK TERMINATIONS TO MAINTAIN
    10 FOOT CLEARANCE FROM THE PROPERTY LINE
    AND 10 FOOT ABOVE 34x14 ARCHITECT.
13. PROVIDE CLEANOUTS WITH 12" X 12"
    HOOD. TYPICAL OF DUCT AFTER ANY APPLICABLE
    OFFSETS IN SHAFT.
14. PROVIDE FIRE SMOKE DAMPERS AT ALL
    FIRE PARTITION WALLS.
15. PROVIDE 1" ACOUSTICAL LINING FOR ALL
    KITCHEN HL 16" 12" 8" 4" 24 x 20 TRANSFER
    GRILLE.
16. PROVIDE REFRIGERANT PIPING FROM ALL
    ENCLOSED IN 2 HOUR RATED SHAFTS.
17. PROVIDE REFRIGERANT PIPING FROM ALL
    ENCLOSED IN 2 HOUR RATED SHAFTS.
18. PROVIDE 1" ACOUSTICAL LINING FOR ALL
    KITCHEN HL 16" 12" 8" 4" 24 x 20 TRANSFER
    GRILLE.
19. PROVIDE 1" ACOUSTICAL LINING FOR ALL
    KITCHEN HL 16" 12" 8" 4" 24 x 20 TRANSFER
    GRILLE.
1. CONSTRUCTION MANAGER TO COORDINATE TURNING VANES. AND PIPING ROUTING SHALL BE CONSTRUCTION TO AVOID ANY POSSIBLE CONFLICTS DURING INSTALLATION.

5. ALL SIDEWALL AND CEILING LINEAR REFER TO ARCHITECTURAL AND INTERIOR CFM REDUCER MODEL HUIRED56UC. FOR KITCHEN HOOD INFORMATION.

CEILING RETURN GRILLES IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED & LR-C 8.

8. FOR EVERY MECHANICAL ROOM FROM 9TH FLOOR AND UP CONTAINING ONE OR MORE CONDENSING UNIT, PROVIDE REFRIGERANT LEAK DETECTION SYSTEM. LEAK DETECTION SYSTEM TO COMPRISE VISUAL AND AUDIBLE ALARM SYSTEMS.

9. PROVIDE REFRIGERANT PIPING FROM ALL AC UNITS (EVAPORATORS) TO MANUFACTURER'S RECOMMENDATIONS LESS THAN 10 LBS AS INDICATED IN PIPING TO BE INSULATED PER MANUFACTURER'S REQUIREMENTS WITH 10.

10. PROVIDE EACH EVAPORATOR WITH A CONDENSATE DRAIN LINE PITCHED ATLEAST 1/16" PER FOOT, ROUTED TO WASHER DRAIN OUTLET IN EVERY 11.

11. COORDINATE ALL EXTERIOR EXHAUST DISCHARGES WITH OPERABLE OPENINGS NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 PROPERTY LINE BE PROVIDED BY ARCHITECT.

12. COORDINATE ALL EXTERIOR INTAKE TRX-1 24x10 UP/DN PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE. PROVIDED WITH WIRE MESH & AMCA ARCHITECT. COORDINATE WITH ARCHITECT FOR TRX-1 24x10 UP/DN PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE. PROVIDED WITH WIRE MESH & AMCA ARCHITECT.

15. PROVIDE CLEANOUTS WITH 12" X 12" ACCESS DOOR ON DRYER EXHAUST AT CEILING FOR RETURN AIR BACK TO EVAPORATOR.

16. PROVIDE EACH DUCT A RADON VENT TO PROVIDE ALEAST 1/16" PER FOOT, ROUTED TO RADON DRAIN OUTLET IN EVERY 17.

20. ALL EXHAUST AND ALL INTAKE OPENINGS PROVIDED WITH WIRE MESH & AMCA ARCHITECT.

COORDINATE WITH ARCHITECT FOR TRX-1 24x10 UP/DN PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE. PROVIDED WITH WIRE MESH & AMCA ARCHITECT.

COORDINATE WITH ARCHITECT FOR TRX-1 24x10 UP/DN PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE. PROVIDED WITH WIRE MESH & AMCA ARCHITECT.

COORDINATE WITH ARCHITECT FOR TRX-1 24x10 UP/DN PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE. PROVIDED WITH WIRE MESH & AMCA ARCHITECT.

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COORDINATE WITH ARCHITECT FOR TRX-1 24x10 UP/DN PROPERTY LINE AND 10 FOOT ABOVE ADJOINING GRADE. PROVIDED WITH WIRE MESH & AMCA ARCHITECT.
MATERIAL KEYING LEGEND:

NORTH

MECHANICAL FLOORPLAN NOTES

1. CONSTRUCTION MANAGER TO COORDINATE DURING CONSTRUCTION TO ENSURE AIR CEILINGS ARE INSTALLED.

2. ALL ELBOWS TO BE PROVIDED WITH TURNING VANES. AND PIPING ROUTING SHALL BE WITH ALL OTHER TRADES PRIOR TO CONSTRUCTION TO AVOID ANY POSSIBLE CONFLICTS DURING INSTALLATION.

4. PROVIDE 7 DAY PROGRAMMABLE REMOTE UNIT IN APARTMENTS. REFER TO ARCHITECTURAL AND INTERIOR OF LINEAR DIFFUSERS.

AMENITY SPACES TO BE EXHAUSTED BY KITCHEN HOODS EQUIPPED WITH BOSCH REFER TO INTERIOR DESIGNER DRAWINGS.

9. PROVIDE REFRIGERANT PIPING FROM ALL AC UNITS (EVAPORATORS) TO ENCLOSED IN 2 HOUR RATED SHAFTS. REFRIGERANT PIPING IN EGRESS LESS THAN 10 LBS AS INDICATED IN MANUFACTURER'S REQUIREMENTS WITH MANUFACTURER INSTRUCTIONS.

10. PROVIDE EACH EVAPORATOR WITH A WASHER DRAIN OUTLET IN EVERY CS-1)

11. COORDINATE ALL EXTERIOR EXHAUST DISCHARGES WITH OPERABLE OPENINGS NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE.

12. COORDINATE ALL EXTERIOR INTAKE LAMINAR FLOW DUCTWORK IN EXTERIOR AMENITY VRF UNITS PER MANUFACTURER REQUIREMENTS.

17. PROVIDE FIRE SMOKE DAMPERS AT ALL PENETRATIONS THROUGH 2 HOUR RATED WALLS OR FIRE BARRIER WALLS.

18. PROVIDE 1” ACOUSTICAL LINING FOR ALL AMENITY SPACES. ALL DUCTWORK SIZES OF DUCT AFTER ANY APPLICABLE ACOUSTICAL LINING.

21. DUCTWORK PENETRATING THE BUILDING HAVE UNIT MOUNTED TO THE BEST OF MY KNOWLEDGE, BELIEF

NYC BUILDING DEPARTMENT APPROVAL NOTE: THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. DRAWING NO. ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED EITHER AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.
MATERIAL KEYING LEGEND:

1. CONSTRUCTION MANAGER TO COORDINATE DURING CONSTRUCTION TO ENSURE AIR SYSTEMS ARE BALANCED BEFORE CEILINGS ARE INSTALLED.

2. ALL ELBOWS TO BE PROVIDED WITH

3. ALL EQUIPMENT LOCATIONS, DUCTWORK AND PIPING ROUTING SHALL BE COORDINATED AND DETERMINED IN FIELD WITH ALL OTHER TRADES PRIOR TO CONFLICTS DURING INSTALLATION.

5. ALL SIDEWALL AND CEILING LINEAR DIFFUSERS SHOWN ON MECHANICAL PLANS ARE ACTIVE LENGTH SECTIONS. REFER TO ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS FOR OVERALL LENGTH OF LINEAR DIFFUSERS.

6. ALL KITCHENS IN APARTMENTS AND KITCHEN HOODS EQUIPPED WITH BOSCH CONNECT KITCHEN EXHAUST DUCTWORK TO KITCHEN HOODS PER KITCHEN HOOD MANUFACTURER REQUIREMENTS.

7. ALL CR-A CEILING RETURN GRILLES IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED ELBOW ABOVE CEILING. ALL LR-B IN APARTMENTS AND AMENITY SPACES TO BE PROVIDED WITH ACOUSTICALLY LINED RETURN AIR PLENUM. REFER TO MECHANICAL DETAILS DRAWINGS FOR 9TH FLOOR AND UP CONTAINING ONE OR MORE CONDENSING UNIT, PROVIDE NEXT TO THE MECHANICAL ROOM ENTRANCE IN CORRIDORS.

8. AC UNITS (EVAPORATORS) TO MANUFACTURER'S RECOMMENDATIONS REFRIGERANT PIPING IN EGRESS 2HR FIRE RATED ENCLOSURE, UNLESS TOTAL SYSTEM REFRIGERANT CHARGE IS LESS THAN 10 LBS AS INDICATED IN PIPING TO BE INSULATED PER MANUFACTURER'S REQUIREMENTS WITH MINIMUM INSULATION OF 1.5".

10. PROVIDE EACH EVAPORATOR WITH A WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTMENT. DISCHARGES WITH OPERABLE OPENINGS SAME DWELLING UNIT & 3' FROM PROPERTY LINE NEIGHBOR. DISCHARGE SHALL BE AT LEAST 10' FROM ADJOINING GRADE. LOUVERS SHALL PROVIDE AT LEAST 0.1 FINISH SHALL BE COORDINATED WITH WASHER DRAIN OUTLET IN EVERY APARTAMENT.
DURING CONSTRUCTION TO ENSURE AIR
CEILINGS ARE INSTALLED.

2. ALL ELBOWS TO BE PROVIDED
3. ALL EQUIPMENT LOCATIONS, DUCTWORK
   AND PIPING ROUTING SHALL BE
   WITH ALL OTHER TRADES PRIOR TO
   CONFLICTS DURING INSTALLATION.

5. ALL SIDEWALL AND CEILING LINEAR
   DIFFUSERS SHOWN ON MECHANICAL
   PLANS ARE ACTIVE LENGTH SECTIONS.
   REFER TO ARCHITECTURAL AND INTERIOR
   OF LINEAR DIFFUSERS.

6. ALL KITCHENS IN APARTMENTS AND
   AMENITY SPACES TO BE EXHAUSTED BY
   KITCHEN HOODS EQUIPPED WITH BOSCH
   CFM REDUCER MODEL HUIRED56UC.

7. ALL CR-A
   TO KITCHEN HOODS PER KITCHEN HOOD
   MD
   FD
   TX-40-1
   AC-R-1
   AC-CR-1
   TX-40-1
   AC-R-1

11. COORDINATE ALL EXTERIOR EXHAUST
   CLEARANCE FOR ALL EQUIPMENT.
   COORDINATE WITH ARCHITECT FOR
   ACCESS PANEL SPECS AND LOCATION.

13. ALL EXTERIOR TERMINATIONS SHALL BE
   PENETRATIONS THROUGH 2 HOUR RATED
   SHAFT WALLS OR FIRE BARRIER WALLS.
   PENETRATIONS THROUGH 2 HOUR RATED
   CORRIDORSTAIR B
   CS-1
   TX-40-1

15. PROVIDE CLEANOUTS WITH 12" X 12"

16. PROVIDE CLEAR OPENINGS ABOVE

19. HEATING AND COOLING SUPPLY AND
   RETURN DUCTWORK SHALL BE INSULATED
   TO A MINIMUM R-6 IN UNCONDITIONED
   SPACE, AND R-8 WHEN LOCATED
   OUTSIDE THE BUILDING.

21. PROVIDE REFRIGERANT PIPING FROM ALL
   AC UNITS (EVAPORATORS) TO
   CONDENSING UNITS ACCORDING TO
   MANUFACTURER'S RECOMMENDATIONS
   ENCLOSED IN 2 HOUR RATED SHAFTS.
   CORRIDORS AND VERTICAL REFRIGERANT
   PIPING RISERS SHALL BE ENCLOSED IN
   2HR FIRE RATED ENCLOSURE, UNLESS
   LESS THAN 10 LBS AS INDICATED IN
   MANUFACTURER'S REQUIREMENTS WITH
   SECONDARY WASTE FUNNEL AT CLOTHES
   WASHER DRAIN OUTLET IN EVERY
   APARTMENT.

22. PROVIDE GRAVITY BACKDRAFT DAMPER
   CFM/SQ. FT. AT 1 INCH PRESSURE
   GAUGE.

23. ENVELOPE SHALL BE SEALED TO PREVENT
   AIR LEAKAGE THROUGH THE DUCT
   SYSTEM AND/OR THE BUILDING
   ENVELOPE. THIS INCLUDES BUT IS NOT
   LIMITED TO ROOF CURBS AND EXTERIOR
   PENETRATIONS THROUGH 2 HOUR RATED
   FD
   FD
   FD
   MD
   FSD
   44"X14"
The table below represents the mechanical schedules for the project.

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Schedule Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet 25</td>
<td></td>
</tr>
</tbody>
</table>

Detailed scheduling information is provided for each component, including quantities, sizes, and other specifications.

For further details, please refer to the project documentation provided by FXFowle Architects, LLP.

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### Mechanical Schedules II

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Schedule 1</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Schedule 2</td>
<td>-</td>
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<tr>
<td>3</td>
<td>Schedule 3</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Schedule 4</td>
<td>-</td>
</tr>
</tbody>
</table>

### Material Keying Legend

- A: Material A
- B: Material B
- C: Material C
- D: Material D
- E: Material E
- F: Material F
- G: Material G
- H: Material H
- J: Material J
- K: Material K
- L: Material L
- M: Material M
- N: Material N
- O: Material O
- P: Material P
- Q: Material Q
- R: Material R
- S: Material S
- T: Material T
- U: Material U
- V: Material V
- W: Material W
- X: Material X
- Y: Material Y
- Z: Material Z

### Instructions

1. Follow the instructions provided on each sheet carefully.
2. Use the appropriate materials as specified in the schedule.
3. Review the keying legend before starting the work.
4. Ensure all elements are checked for accuracy.

**Note:** The material keying legend is essential for correct material placement and ensures the project is completed as planned.
### Sheet 27 of 36 N.T.S.

#### Mechanical Schedules III

<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
<th>Description</th>
<th>Width</th>
<th>Thickness</th>
<th>Length</th>
<th>Qty</th>
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</thead>
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<tr>
<td>Steel</td>
<td>Tube</td>
<td>Schedule 40</td>
<td>10</td>
<td>0.25</td>
<td>200</td>
<td>10</td>
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<tr>
<td>Copper</td>
<td>Pipe</td>
<td>Schedule 8</td>
<td>15</td>
<td>0.15</td>
<td>150</td>
<td>5</td>
</tr>
<tr>
<td>PVC</td>
<td>Pipe</td>
<td>Schedule 10</td>
<td>25</td>
<td>0.12</td>
<td>300</td>
<td>12</td>
</tr>
</tbody>
</table>

**Notes:**
- All dimensions are in millimeters.
- Quantities are approximate and subject to change.
- Schedule numbers indicate the corrosion resistance level.
MECHANICAL DETAILS III

SECTION OF SPRING ISOLATORS FOR LOAD TRANSFER, ABOVE & BELOW

GAS METER ROOM VENTILATION DETAIL

SWITCHBOARD ENCLOSURE DETAIL - TOP

SWITCHBOARD ENCLOSURE DETAIL - FACE

MECHANICAL DETAILS III

SECTION OF SPRING ISOLATORS FOR LOAD TRANSFER, ABOVE & BELOW

GAS METER ROOM VENTILATION DETAIL

SWITCHBOARD ENCLOSURE DETAIL - TOP

SWITCHBOARD ENCLOSURE DETAIL - FACE

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**Sheet 1 of 36 AS NOTED**

**DRAWING TITLE:**  
**Drawing No.:**  
**Cad File:**  
**Scale:**  
**Date:**  
**Reviewed:**  
**Checked:**  
**Project No.: Drawn:**

**MATERIAL KEYING LEGEND:**

---

**DOB SUBMISSION 08.08.2016**

**NO. REVISIONS | SUBMISSIONS | DATE**

- VDA (Van Deusen & Associates)  
  - 120 Eagle Rock Avenue, Suite 310, East Hanover, NJ 10001  
  - 973-994-9220  
- Stantec  
  - 50 West 23rd Street, 8th Floor, New York, NY 10010  
  - 212-366-5600  
- Debra Berke Partners  
  - 220 Fifth Avenue, 7th Floor, New York, NY 10001  
  - 212-229-9211  
- 42 Trinity Place  

**DESIGNER**

- FXFowle Architects, LLP  
  - 22 West 19th Street, New York, NY 10011  
  - 212-627-1700  
  - WWW.FXFOWLE.COM

**CONSTRUCTION**

- Desimone Consulting Engineers  
  - 18 West 18th Street, 10th Floor, New York, NY 10011  
  - 212-532-2211  
- Dagher Engineering, PLLC  
  - 29 Broadway, New York, NY 10006  
  - 212-480-2591  
- Langan Engineering  
  - 21 Penn Plaza, New York NY 10001  
  - 212-479-5400

---

**DRAWING CONTENT:**

- Plan, elevation, section, and detail drawings of the building's structural and architectural features.

---

**REFERENCES:**

- Footnotes and references are not visible in the image.
NORTH V S
HWH-1 & HWH-2 HOT WATER HEATERS FOR ZONES 1&2 TERRACE AT 8TH FLOOR

HWH-3 & HWH-4 HOT WATER HEATERS (BELOW)
PROPERTY LINE

PROVIDE 1"RPZ & PRV SET TO UNIT A
4"V4"S

SAN 3"V3"W

KITCHEN P-6 P-5 STOVE TOP 4GAS UP OVEN

RG P-1 P-2 16"ST DN
MECH ROOM W/D LIVING ROOM

BOILERS, B-1,2,3(BY HVAC CONTRACTOR)

TYPICALLY. TOP OF SLAB ELEVATIONS THAN REST OF THE FLOOR AT RESIDENTIAL FLOORS

TYPICALLY. TOP OF SLAB ELEVATIONS FROM PRVs TO TERRACE AT 9TH FLOOR ZONES 2, 3 & 4 (BELOW)

NOTES

2. DOMESTIC WATER DISTRIBUTION FOR ZONE 2 (17-23 FLS) IS IN THE CORRIDOR OF 16TH FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

5. SEE SANITARY RISER DIAGRAM FOR RELIEF VENT LOCATIONS.
1. DOMESTIC WATER DISTRIBUTION FOR ZONE 1 (10-16 FLOORS) IS IN THE CORRIDOR OF 10TH FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

2. DOMESTIC WATER DISTRIBUTION FOR ZONE 2 (17-23 FLOORS) IS IN THE CORRIDOR OF 16TH FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

3. DOMESTIC WATER DISTRIBUTION FOR ZONE 3 (24-30 FLOORS) IS IN THE CORRIDOR OF 23RD FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

4. DOMESTIC WATER DISTRIBUTION FOR ZONE 4 (31-38 FLOORS) IS IN THE CORRIDOR OF 31ST FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.
NOTES:

1. DOMESTIC WATER DISTRIBUTION FOR ZONE 1 (10-16 FLS) IS IN THE CORRIDOR OF 10TH FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

4. DOMESTIC WATER DISTRIBUTION FOR ZONE 4 (32-38 FLS) IS IN THE CORRIDOR OF 31ST FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

5. DISHWASHERS HAVE TO BE CONNECTED TO SANITARY SYSTEM AS PER PC2014 SECTION 802.
1. DOMESTIC WATER DISTRIBUTION FOR ZONE 1 (10-16 FLS) IS IN THE CORRIDOR OF 10TH FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

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5. SEE SANITARY RISER DIAGRAM FOR RELIEF VENT LOCATIONS.
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4. DOMESTIC WATER DISTRIBUTION FOR ZONE 4 (32-38 FLS) IS IN THE CORRIDOR OF 30TH FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

5. SEE SANITARY RISER DIAGRAM FOR RELIEF VENT LOCATIONS.

FXFOWLE ARCHITECTS, LLP | 22 WEST 19TH STREET | NEW YORK, NY 10011 | T 212.627.1700 | F 212.463.8716 | WWW.FXFOWLE.COM
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4. DOMESTIC WATER DISTRIBUTION FOR ZONE 4 (32-38 FLS) IS IN THE CORRIDOR AND HAVE ACCESS DOORS IN CEILING.
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5. SEE SANITARY RISER DIAGRAM FOR RELIEF VENT LOCATIONS.

Seal: Drawn: Project No.:
Checked: Cad File:
Reviewed: Drawing No.:
Date: Scale:

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS PREPARED BY THIS OFFICE FOR THE REFERENCE PROJECT ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK CITY - EFFECTIVE JAN 2015.
NOTES:

1. DOMESTIC WATER DISTRIBUTION FOR ZONE 1 (10-16 FLS) IS IN THE CORRIDOR OF 10TH FLOOR. ALL RISER CONTROL VALVES SHALL BE PROVIDED AND HAVE ACCESS DOORS IN CEILING.

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5. SEE SANITARY RISER DIAGRAM FOR RELIEF VENT LOCATIONS.
MECHANICAL FLOOR

PROVIDE TEMPERATURE MAINTENANCE CABLE ON ALL HOT WATER DISTRIBUTION FOR ALL ZONES.

PROVIDE EACH ZONE WITH DIGITAL MIXING VALVE.

SCHOOL (2-9TH FLOORS) IS NOT IN SCOPE

DOMESTIC WATER RISER DIAGRAM - PART 1
GAS RISER DIAGRAM

SCHOOL (2-8TH FLOORS) IS NOT IN SCOPE

GREENWICH STREET

MECHANICAL FLOOR
1. PROVIDE BASIC TOP REINFORCEMENT: #11@12" BARS CONTINUOUS IN EACH DIRECTION U.N.O.

2. CAISSON CAP REINFORCING PLAN - PC-A

3. CAISSON CAP DETAILS & SCHEDULE

CAISSON CAP SCHEDULE

- CAISSON CAP - PC250-1
- CAISSON CAP - PC350-1A
- CAISSON CAP - PC350-1B
- CAISSON CAP - PC450-1A
- CAISSON CAP - PC250-2
- CAISSON CAP - PC350-2
- CAISSON CAP - PC450-2A
- CAISSON CAP - PC450-2B
- CAISSON CAP - PC500-4
- CAISSON CAP - PC900-6

- 0'-0" 2'-0" 3'-2" 4'-0" 6'-0" 7-0" 0'-0"
- 1'-6" 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
- 2'-0" 3'-2" 4'-0" 6'-0" 72" 0'-0"
RESIDENTIAL:
LL = 40 PSF
SDL = 20 PSF

AMENITY (GYM):
LL = 100 PSF
SDL = 60 PSF (ACCOUSTICAL SLAB)

TERRACE
LL = 100 PSF
SDL = 40 PSF

ASSUMED FACADE WEIGHT = 25PSF (VERTICAL)

AMENITY TERRACE
LL = 100 PSF
SDL = 40 PSF

AMENITY
LL = 100 PSF
SDL = 20 PSF

ASSUMED FACADE WEIGHT = 25PSF (VERTICAL)

LANDSCAPING
LL = 30 PSF
SDL = 500 PSF

MECHANICAL
LL = 30 PSF
SDL = 800 PSF

MECHANICAL
LL = 75 PSF
SDL = 20 PSF

ASSUMED FACADE WEIGHT = 25PSF (VERTICAL)

BUILT-UP SLAB
LL = 75 PSF
SDL = 40 PSF

BUILT-UP SLAB
LL = 75 PSF
SDL = 40 PSF

LANDSCAPING
LL = 30 PSF
SDL = 1000 PSF

LANDSCAPING
LL = 30 PSF
SDL = 1000 PSF

LANDSCAPING
LL = 30 PSF
SDL = 500 PSF

LANDSCAPING
LL = 30 PSF
SDL = 500 PSF

MECHANICAL
LL = 30 PSF
SDL = 200 PSF

ASSUMED FACADE WEIGHT = 25PSF (VERTICAL)

EMR ROOM
LL = 30 PSF
SDL = 200 PSF

ASSUMED FACADE WEIGHT = 25PSF (VERTICAL)

ELEVATOR POINT LOADS
SEE ELEVATOR DWGS (TYP)

ASSUMED FACADE WEIGHT = 25PSF (VERTICAL)

BMU (PER PRELIM LERCH BATES DWGS DATED 2-12-2016)
SDL = 2000 PSF

SCHOOL CHILLER
SDL = 150 PSF

SCALE: 1/16" = 1'-0"
(E) STEEL COLUMN TO REMAIN FOUNDATION WALLS CONCRETE EXISTING MASONRY & STRUCTURE

LANDMARKED BRACING FOR TEMPORARY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

S-622 FO-122 2

S-621 1

S-623

FOUNDATION WALLS TO REMAIN PC450-2B

C-FB-20 (24x30)

C-FB-19 (24x30) PC450-2B

C-FB-18 (24x30)

S-622 1 F3

F3

PC450-2B

C-FB-33 (34x48)

C-FB-21 (34x48)

F4

F4

F4

PC450-2B

C-FB-22 (34x48)

C-FB-02 (24x30)

77'-0 7/8" 38'-10 1/2" 77'-5" 39'-3 3/4" 40'-3 3/8" 40'-4 3/4" 40'-11 1/2" 41'-10 1/4" 41'-8 3/4" 47'-0 1/8" 41'-10"

4'-7 1/8" 46'-6" 43'-5" 22'-0 5/8"

PC350-1A

HORIZ REINF:  #5@12" I.F. &  #5@12" O.F.

VERT REINF:   #7@12" I.F. &  #5@12" O.F.

HORIZ REINF:  #4@12" E.F

LANDING SUPPORT 8" THICK WALL STAIR

8" THICK FOUNDATION WALL.

VERT REINF:   #9@9" I.F. &  #5@12" O.F.

HORIZ REINF:  #5@12" I.F. &  #5@12" O.F.

16" THICK FOUNDATION WALL.

58'-11 1/8" 58'-3 3/8" 59'-3 3/8" 65'-3 3/4" 66'-3 3/4" 53'-7 3/4" 45'-3" 42'-8 1/8" 47'-0 1/8" 41'-10"

31'-10 1/8" 31'-9" 61'-3 1/8" 81'-5 1/4" 65'-9 3/4" 43'-4" 43'-3" 22'-0 5/8" 23'-2 1/4"

31'-9" 58'-11 1/8" 71'-2 1/2" 71'-8 1/2" 74'-5 5/8" 42'-8 1/8" 45'-3" 47'-0 1/8" 41'-10" 41'-9 7/8"

58'-3 3/8" 59'-3 3/8" 65'-3 3/4" 66'-3 3/4" 53'-7 3/4" 45'-3" 42'-8 1/8" 47'-0 1/8" 41'-10" 41'-9 7/8"

31'-10 1/8" 31'-9" 61'-3 1/8" 81'-5 1/4" 65'-9 3/4" 43'-4" 43'-3" 22'-0 5/8" 23'-2 1/4"

31'-9" 58'-11 1/8" 71'-2 1/2" 71'-8 1/2" 74'-5 5/8" 42'-8 1/8" 45'-3" 47'-0 1/8" 41'-10" 41'-9 7/8"

31'-10 1/8" 31'-9" 61'-3 1/8" 81'-5 1/4" 65'-9 3/4" 43'-4" 43'-3" 22'-0 5/8" 23'-2 1/4"

31'-9" 58'-11 1/8" 71'-2 1/2" 71'-8 1/2" 74'-5 5/8" 42'-8 1/8" 45'-3" 47'-0 1/8" 41'-10" 41'-9 7/8"

PTL JI42

104'-5 1/2" 105'-3" 110'-5" 110'-5" 113'-7" 113'-7" 115'-0 3/8" 115'-1 7/8" 94'-9 1/8" 66'-3 3/4" 53'-7 3/4" 45'-3" 42'-8 1/8" 47'-0 1/8" 41'-10" 41'-9 7/8"

31'-10 1/8" 31'-9" 61'-3 1/8" 81'-5 1/4" 65'-9 3/4" 43'-4" 43'-3" 22'-0 5/8" 23'-2 1/4"

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31'-10 1/8" 31'-9" 61'-3 1/8" 81'-5 1/4" 65'-9 3/4" 43'-4" 43'-3" 22'-0 5/8" 23'-2 1/4"
NORTH

MATERIAL KEYING LEGEND:

ROOM TYPE SDL (psf) LIVE LOAD (psf)

AUDITORIUM 20 60/100
ART STUDIO 20 60
GYM 8+ actual partition line load 100
BOOK STORAGE 20 150
CAFETERIA & DINING 22 100
CLASSROOM 47 40
CORRIDOR 20 100
KITCHEN 47 150
LABORATORIES 23 60
LIBRARY READING 20 60
LIBRARY STACKS 20 150
LOBBY 20 100
MECHANICAL 20 75
MUSIC 20 60
OFFICE 20 50
ROOF 37 45
STAGE 20 125
STORAGE WAREHOUSES-LIGHT 20 125
STORAGE WAREHOUSES-HEAVY 20 250
SWITCHGEAR ROOM 8+ actual partition line load 75
TOILET 20 60

ASSUMED FACADE WEIGHT = 25PSF (VERTICAL)

SCALE: 1/16" = 1'-0"
ELEVATOR MACHINE ROOM. SLAB OPENINGS TO BE COORDINATED OPEN TO BELOW

24" THICK CONCRETE WALL. MATCH REINF FOR SW-15

STAIR A
STAIR B

PE1
BELOW
PE2
BELOW
14" SLAB
37
41
t=38"
80'-4 1/8"
48'-1 1/8"
17'-5 1/4"
36'-3 3/4"
17'-5 1/4"
149'-10"
80'-4 1/8"
36'-3 3/4"
147'-4 1/8"
46'-7 1/8"

T.O. SLAB
EL. = +503'-2"
T.O. PARAPET
EL. = +509'-2"

BUILDING MAINTENANCE UNIT, SUPPORT FRAME, AND CONNECTION TO EMBEDDED ANCHORS BY OTHERS. EMBEDDED ANCHORS BY DESIMONE, SEE DETAIL

PROVIDE LW CONCRETE MECHANICAL PAD FOR SCHOOL CHILLER (BY OTHERS) SEE ARCH

10" PARAPET WALL, SEE DETAIL - 12/S-501 (TYP.)

BMU BASE PLATE DETAILS

PROVIDE (1) HOIST HOOK PER ELEVATOR (10,000LBS CAPACITY). CONTRACTOR TO COORDINATE LOCATION. SEE TYP DETAIL

S-513 6

MATERIAL KEYING LEGEND:

DRAWING TITLE:

Seal: Drawn: Project No.:

Checked: Cad File:

Reviewed: Drawing No.:

Date:

Scale:

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400 South Avenue, New York, NY  10001  212-555-1212

SHEET OF 3/16" = 1'-0"
STAIR D PART PLAN - BETWEEN 5TH & 6TH FLOORS

STAIR C PART PLAN - BETWEEN 5TH & 6TH FLOORS

DRAWING TITLE: 15160

ARCHITECTS ASSOCIATES, P.C.
42 TRINITY PLACE
40 103

CONSTRUCTION ASSOCIATES, P.C.
400 South Avenue, New York, NY  10001  212-555-1212

GROUND TO 15TH COLUMNS SEE S-401

1. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

2. SLAB MIDDLE STRIP TOP BARS (U.O.N):  #4@12"

3. SEE BEAM SCHEDULE ON S-511  FOR BEAM DIMENSIONS & REINFORCEMENT.

4. SUPERSTRUCTURE CONCRETE STRENGTH IS TABULATED ON THIS SHEET.

5. SEE BEAM SCHEDULE ON S-511  FOR BEAM DIMENSIONS & REINFORCEMENT.

6. SEE BEAM SCHEDULE ON S-511  FOR BEAM DIMENSIONS & REINFORCEMENT.

1. ALL SLAB THICKNESSES SHALL BE AS NOTED ON PLAN.

2. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

3. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

4. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

5. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

6. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

7. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

8. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

9. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
   PLAN (IN ADDITION TO BASIC SLAB REINF).

10. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

11. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

12. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

13. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

14. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

15. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

16. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

17. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

18. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

19. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

20. PROVIDE ADDITIONAL TOP & BOTTOM REINFORCEMENT AS NOTED ON
    PLAN (IN ADDITION TO BASIC SLAB REINF).

STAIR C

STAIR D

STAIR D PART PLAN - BETWEEN 5TH & 6TH FLOORS

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STAIR D PART PLAN - BETWEEN 5TH & 6TH FLOORS
**REINFORCEMENT NOTES**

1. The Reinforcement shown is the design for the member in the Member Panel(s). Right to adjust.
2. Flexural reinforcement, shear reinforcement, stirrups and anchorages are located as indicated.
3. All bars shown in the Member Panel(s) are shown at the thickness.
4. All reinforcement shown is relative to the top of the slab.

**SUPERSTRUCTURE CONCRETE STRENGTH CHART**

- **Concrete Grade**: 7000 psi
- **Concrete Type**: Normal Weight
- **Concrete Strength**: 7000 psi

**DRAWING NOTES**

1. See S-504 for slab reinforcement required at columns for prior.
2. See S-504 for in-slab concrete frame requirements.
4. See shear wall part plans for shear wall dimensions & reinforcement.
5. See beam schedule on S-511 for beam dimensions & reinforcement.
6. Superstructure concrete strength tabulated on this sheet.
7. Concrete dimensions to be verified with architectural drawings.
8. Denotes studrail required at this column. See S-411 for schedule.
9. For min # of bottom slab bars passing through columns, see prior.
10. See S-411 for structural member requirements on 1/S-504.
11. Only structural curbs are shown on structural drawings, see architect.
12. Sloped topping slab (max high-point thickness = 2") to be cast with structural slab. Slope concrete to drain, do not slope with architectural drawings.
13. See S-504 for slab reinforcement required at columns for structural slab. Slope concrete to drain, do not slope with structural slab. Slop concrete to drain, do not slope with structural slab.
14. Final Location of curbs to be verified with architect.
15. All slab thicknesses shall be as noted on plan.
16. 42 Trinity Place
17. New York, NY

**SHEET OF AS INDICATED**

- **Sheet Title**: EMR 1 (39th Floor Rebar Plan)
- **Project No.**: S-39
- **Drawn By**: [Name]
- **Checked By**: [Name]
- **Date**: 10/07/15
- **Material Keying Legend**: [Legend]

**DRAWER INFORMATION**

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**DRAWING IDENTIFICATION**

- **Scale**: 1/8" = 1'-0"
- **Date**: [Date]
- **Reviewed**: [Name]
- **Drawing No.**: [Number]
- **Checked**: [Name]
- **Cad File**: [Name]
- **Author**: [Name]
1. ALL SLAB THICKNESSES SHALL BE AS NOTED ON PLAN.
2. SEE COLUMN SCHEDULE ON S-401 FOR COLUMN SIZES & REINFORCEMENT.
3. SEE S-450 SERIES FOR SHEAR WALL ELEVATIONS.
4. SEE SHEAR WALL PART PLANS FOR SHEAR WALL DIMENSIONS & REINFORCEMENT.
5. SEE BEAM SCHEDULE ON S-511 FOR BEAM DIMENSIONS & REINFORCEMENT.
6. SUPERSTRUCTURE CONCRETE STRENGTH IS TABULATED ON THIS SHEET.
7. DENOTES COLUMN TRANSFERS AT THIS FLOOR (NO COLUMN BELOW).
8. DENOTES STUDRAIL REQUIRED AT THIS COLUMN. SEE S-411 FOR SCHEDULE.
9. FOR MIN # OF BOTTOM SLAB BARS PASSING THROUGH COLUMNS, SEE STRUCTURAL INTEGRITY BAR REQUIREMENTS ON S-504.
10. SEE 3/S-504 FOR IN-SLAB CONCRETE FRAME REQUIREMENTS.
11. ONLY STRUCTURAL CURBS ARE SHOWN ON STRUCTURAL DWGS, SEE ARCH DWGS FOR BALANCE OF CURBS. FINAL LOCATION OF CURBS TO BE VERIFIED WITH ARCHITECTURAL DWGS.
12. SLOPPED TOPPING SLAB (MAX HIGH-POINT THICKNESS = 2") TO BE CAST MONOLITHIC WITH STRUCTRUAL SLAB. SLOPE CONCRETE TO DRAIN, DO NOT SLOPE REINFORCEMENT TO MATCH SLOPED TOPPING. SEE ARCH DWGS FOR SLOPE-TO-DRAIN ELEVATIONS. LOW-POINT ELEVATIONS TO BE VERIFIED W/ ARCH DWGS PRIOR TO CONSTRUCTION.
SW NORTH - SHEAR WALL REINFORCEMENT SUPPORTING 23RD TO SUPPORTING 30TH
FLOORS

SHEARWALL REINFORCING PLANS

MATERIAL KEYING LEGEND:

DRAWING TITLE:

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DRAWING TITLE:

5'-8 7/8" 4'-11 7/8"
2'-6" 27'-5" 2'-6"
20'-10 1/2"
25'-6 1/8" 11'-6 1/8"
46'-0 1/8"
2'-6" 27'-5" 2'-6"
4'-11 3/4" 5'-9" 10'-1 3/4"
2'-0" 26'-1" 2'-0"
30'-1"
10'-0" 5'-11 5/8" 12'-3 1/8" 4'-4" 8'-11 1/8" 4'-0"
0'-9" 1'-6" 0'-3"
2'-6"
1. Layer 1 is the outermost reinforcement layer.

37-TB-02  50x40  9#9  10#9  #6@6"  #4 @8" (5 LEGS)

01-BM-10  24x24  6#9  12#9 (2 LAYERS)  #5 @8" (4 LEGS)

02-BM-06  18x24  5#8  10#8 (2 LAYERS)  #5 @10" (2 LEGS)

02-BM-09  16x24  7#7  7#7  #5 @10" (2 LEGS)

04-BM-06  18x24  5#8  10#8 (2 LAYERS)  #5 @10" (2 LEGS)

04-BM-04  24x24  8#9  16#9 (2 LAYERS)  #5 @4" (3 LEGS)

04-BM-01  18x37  4#7  4#7  4#5 EA. FACE #4 @12" (2 LEGS)

04-BM-02  8x12  2#7  2#7  #3 @4" (2 LEGS)

04-BM-11  18x24  4#8  4#8  #3 @6" (4 LEGS)

05-BM-03  24x24  8#9  16#9 (2 LAYERS)  2#8 EA. FACE #5 @4" (3 LEGS)

05-BM-02  8x12  2#7  2#7  #3 @4" (2 LEGS)

07-BM-04  24x30  7#10  7#10 #5 @12" (2 LEGS)

07-BM-05  24x30  7#10  7#10 #5 @12" (2 LEGS)

07-BM-07  18x24  7#7  7#7 #5 @10" (2 LEGS)

07-BM-08  18x24  7#7  7#7 #5 @10" (2 LEGS)

07-BM-09  14x18  6#9  6#9  3#5 EA. FACE #4 @6" (2 LEGS)

08-BM-04  36x28  9#10  9#10 #5 @12" (2 LEGS)

09-BM-03  14x18  5#5  5#5 #4 @6" (2 LEGS)

12-BM-03  18x18  5#5  5#5 #4 @6" (2 LEGS)

24-BM-03  14x18  5#5  5#5 #4 @6" (2 LEGS)

37-BM-03  14x24  5#5  5#5 #4 @8" (2 LEGS)

37-BM-02  12x30  8#9 (2 LAYERS)  8#9 (2 LAYERS)  2#6 EA. FACE #4 @6" (2 LEGS)

36-BM-02  66 x 22  13#11  13#11  3#9 EA. FACE #4 @8" (5 LEGS) -

38-BM-08  12x24  8#8 (2 LAYERS)  8#8 (2 LAYERS)  2#8 EA. FACE #4 @4" (2 LEGS)

40-BM-08  18x18  8#8 (2 LAYERS)  8#8 (2 LAYERS)  1#6 EA. FACE #4 @6" (4LEGS)

40-BM-06  18x18  8#8 (2 LAYERS)  8#8 (2 LAYERS)  1#6 EA. FACE #4 @6" (4LEGS)

BM-01  12x24  8#8 (2 LAYERS)  8#8 (2 LAYERS)  2#6 EA. FACE #4 @4" (2 LEGS)

BM-06  6x10  2#7  2#7  1#4 EA. FACE #3 @6" (1 LEG) ALTERNATE STIRRUP

BM-03  18x18  5#5  5#5 #4 @6" (2 LEGS)
1. SEE 1/S-611, S-613, S-614, S-615, & S-616 FOR PLATE GIRDER SECTION DETAILS.

2. PLATE GIRDER END REACTION LOADS SHOWN ON PLAN ARE ULTIMATE (FACTORED) LOADS

3. (L) = LEFT-END REACTION READ WITH RESPECT TO TEXT DESIGNATING BEAM SIZE ON PLAN.

4. (R) = RIGHT-END REACTION READ WITH RESPECT TO TEXT DESIGNATING BEAM SIZE ON PLAN.

5. THE WELD SIZES NOTED ARE FOR E70XX ELECTRODES

NOTES:

11TH FLOOR T.O.S PG-5 6'-0" 2'-8" 0'-1" 0'-2" 5/8" CONT.
11TH FLOOR T.O.S PG-4 6'-0" 2'-6" 0'-1 1/2" 0'-3" 1/2" CONT.
11TH FLOOR T.O.S PG-3 6'-0" 3'-0" 0'-1 1/2" 0'-3" 3/4" CONT.
8TH FLOOR T.O.S PG-2 11'-0" 3'-0" 0'-2" 0'-3" 1/2" CONT.
8TH FLOOR T.O.S PG-1 11'-0" 4'-0" 0'-2" 0'-3" 5/8" CONT.

SCALE: 3/8" = 1'-0"

CANOPY SECTION

SECTION AT 7TH FLOOR MEZZANING FRAMING (LOOKING WEST)

SECTION AT 7TH FLOOR MEZZANING FRAMING (LOOKING NORTH)

SECTION AT 7TH FLOOR MEZZANING FRAMING (LOOKING SOUTH)

PLATE GIRDER SCHEDULE