NOTES:
1. PROVIDE 38 STANDARD PARKING STALLS. DIMENSIONS ARE 9' X 18' U.O.N.
2. PARKING RAMP SHALL HAVE A 1:7 SLOPE AS PER NYCBC 406.1.3.1.
3. RAMP SHALL BE 3 1/4" LW CONCRETE ON 2" NON-COMPOSITE METAL DECK.
NOTES:
1. PROVIDE 32 STANDARD PARKING STALLS.
   DIMENSIONS ARE 9' X 18' U.O.N.
2. PROVIDE 3 STANDARD ADA COMPLIANT AND 1 VAN ACCESSIBLE PARKING STALLS.
   DIMENSIONS OF STALL AND ACCESS AISLES ARE AS SHOWN.
4. RAMP SHALL BE 3 1/4" LW CONCRETE ON 2" NON-COMPOSITE METAL DECK.

LEGEND:
CONCRETE FOUNDATION WALL
2-HR FIRE RATED PARTITION WALL
GLASS PARTITION
NOTES:
1. PROVIDE 32 STANDARD PARKING STALLS.
   DIMENSIONS ARE 9' X 18' U.O.N.
2. PROVIDE 3 STANDARD ADA COMPLIANT
   AND 1 VAN ACCESSIBLE PARKING STALL.
   DIMENSIONS OF STALL AND ACCESS AISLES
   ARE AS SHOWN.
3. PARKING RAMP SHALL HAVE A 1:7 SLOPE
   AS PER NYCBC 406.1.3.1.
4. RAMP SHALL BE 3 1/4" LW CONCRETE ON
   2" NON-COMPOSITE METAL DECK.
5. RAISED CONCRETE PLATFORM SHALL BE
NOTES:
1. PROVIDE 32 STANDARD PARKING STALLS. DIMENSIONS ARE 9' X 18' U.O.N.
2. PROVIDE 3 STANDARD ADA COMPLIANT AND 1 VAN ACCESSIBLE PARKING STALLS. DIMENSIONS OF STALL AND ACCESS AISLES ARE AS SHOWN.
4. RAMPS SHALL BE 3 1/4" LW CONCRETE ON 2" NON-COMPOSITE METAL DECK.

FINISHED FLOOR SCHEDULE

LEVEL | ELEVATION
------|---------
LEVEL 1 | 0'-0"    
LEVEL 2 | 15'-0"   
LEVEL 3 | 27'-0"   
LEVEL 4 | 39'-0"   
LEVEL 5 | 51'-0"   
LEVEL 6 | 63'-0"   
LEVEL 7 | 75'-0"   
LEVEL 8 | 87'-0"   
LEVEL 9 | 99'-0"   
LEVEL 10 | 111'-0"  
LEVEL 11 | 123'-0"  
LEVEL 12 | 135'-0"  
LEVEL 13 | 147'-0"  
LEVEL 14 | 159'-0"  
LEVEL 15 | 171'-0"  
LEVEL 16 | 183'-0"  
LEVEL 17 | 195'-0"  
LEVEL 18 | 207'-0"  
LEVEL 19 | 219'-0"  
LEVEL 20 | 231'-0"  
LEVEL 21 | 243'-0"  
LEVEL 22 | 255'-0"  
LEVEL 23 | 267'-0"  
LEVEL 24 | 279'-0"  
LEVEL 25 | 291'-0"  
LEVEL 26 | 303'-0"  
LEVEL 27 | 315'-0"  
LEVEL 28 | 327'-0"  
LEVEL 29 | 339'-0"  
LEVEL 30 | 351'-0"  
LEVEL 31 | 363'-0"  
LEVEL 32 | 375'-0"  
LEVEL 33 | 387'-0"  
LEVEL 34 | 399'-0"  
LEVEL 35 | 411'-0"  
LEVEL 36 | 423'-0"  
LEVEL 37 | 435'-0"  
LEVEL 38 | 447'-0"  
LEVEL 39 | 459'-0"  
LEVEL 40 | 471'-0"  
LEVEL 41 | 483'-0"  
LEVEL 42 | 495'-0"  
LEVEL 43 | 507'-0"  
LEVEL 44 | 519'-0"  
LEVEL 45 | 531'-0"  
LEVEL 46 | 543'-0"  
LEVEL 47 | 555'-0"  
LEVEL 48 | 567'-0"  
LEVEL 49 | 579'-0"  
LEVEL 50 | 591'-0"  
LEVEL 51 | 603'-0"  
LEVEL 52 | 615'-0"  
LEVEL 53 | 627'-0"  
LEVEL 54 | 639'-0"  
LEVEL 55 | 651'-0"  
LEVEL 56 | 663'-0"  
LEVEL 57 | 675'-0"  
LEVEL 58 | 687'-0"  
LEVEL 59 | 699'-0"  
LEVEL 60 | 711'-0"  
LEVEL 61 | 723'-0"  
LEVEL 62 | 735'-0"  
LEVEL 63 | 747'-0"  
LEVEL 64 | 759'-0"  
LEVEL 65 | 771'-0"  
LEVEL 66 | 783'-0"  
LEVEL 67 | 795'-0"  
LEVEL 68 | 807'-0"  
LEVEL 69 | 819'-0"  
LEVEL 70 | 831'-0"  
LEVEL 71 | 843'-0"  
LEVEL 72 | 855'-0"  
LEVEL 73 | 867'-0"  
LEVEL 74 | 879'-0"  
LEVEL 75 | 891'-0"  
LEVEL 76 | 903'-0"  
LEVEL 77 | 915'-0"  
LEVEL 78 | 927'-0"  
LEVEL 79 | 939'-0"  
LEVEL 80 | 951'-0"  
LEVEL 81 | 963'-0"  
LEVEL 82 | 975'-0"  
LEVEL 83 | 987'-0"  
LEVEL 84 | 100'-0"
### 17TH FLOOR PLAN

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

**Legend:**
- Concrete Foundation Wall
- 2-Hour Fire Rated Partition Wall
- Non-Fire Rated Partition Wall
- Glass Partition / Curtain Wall
- Green Roof

### Finished Floor Schedule

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>ELEVATION</th>
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</thead>
<tbody>
<tr>
<td>ROOF</td>
<td>219'-0&quot;</td>
</tr>
<tr>
<td>LEVEL 16</td>
<td>207'-0&quot;</td>
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<tr>
<td>LEVEL 14</td>
<td>195'-0&quot;</td>
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<tr>
<td>LEVEL 12</td>
<td>183'-0&quot;</td>
</tr>
<tr>
<td>LEVEL 10</td>
<td>171'-0&quot;</td>
</tr>
<tr>
<td>LEVEL 8</td>
<td>159'-0&quot;</td>
</tr>
<tr>
<td>LEVEL 6</td>
<td>147'-0&quot;</td>
</tr>
<tr>
<td>LEVEL 4</td>
<td>135'-0&quot;</td>
</tr>
<tr>
<td>LEVEL 2</td>
<td>123'-0&quot;</td>
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<tr>
<td>LEVEL 0</td>
<td>111'-0&quot;</td>
</tr>
<tr>
<td>BASEMENT</td>
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<tr>
<td>BASEMENT</td>
<td>15'-0&quot;</td>
</tr>
<tr>
<td>BASEMENT</td>
<td>0'-0&quot;</td>
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</tbody>
</table>

### Client
- Professor Walid Aboomoussa
  - 6 METROTECH CENTER
  - BROOKLYN NY, 11201

### Drawings

- **Drawing Title:** ENJENIR'S SQUARE
- **Project Manager:** Danna Wu
  - 2 METROTECH CENTER, 8TH FL
  - BROOKLYN NY 11201
  - DANAW@NYU.EDU
- **Structural Engineer:** Lin Lin Jin
  - 2 METROTECH CENTER, 8TH FL
  - BROOKLYN NY 11201
  - LLJ239@NYU.EDU
- **Structural Engineer:** Adiba Miazzi
  - 2 METROTECH CENTER, 8TH FL
  - BROOKLYN NY 11201
  - AM9944@NYU.EDU

### Notes

- Street Names: 5th Ave, W 33rd St, E 33rd St

---

*Drawing No.: A-104*

*Date: 3/10/2022*
## ROOF PLAN

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

### KEY PLAN:
- **GREEN ROOF**
- **CONCRETE FOUNDATION WALL**
- **2 HR FIRE RATED PARTITION WALL**
- **GLASS PARTITION / CURTAIN WALL**
- **2 HR FIRE RATED EXTERIOR STUD WALL**

### MECHANICAL ROOM

### ELEVATION

### STAIR B

### STAIR A

### FINISHED FLOOR SCHEDULE

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
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<td>17</td>
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<td>18</td>
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<tr>
<td>19</td>
<td>175'0&quot;</td>
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<tr>
<td>20</td>
<td>183'0&quot;</td>
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<tr>
<td>21</td>
<td>191'0&quot;</td>
</tr>
<tr>
<td>22</td>
<td>199'0&quot;</td>
</tr>
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### BASEMENT 1

### BASEMENT 2

### DRAWING TITLE:
**GUESS & CHASE, ENGINEERING P.C.**

### PROJECT TITLE:
**ENJENIR'S SQUARE**

### DRAWING NO.: A-106

### SCALE: AS NOTED

### DRAWN BY: DANNA WU

### CHECKED BY: LIN LIN JIN

### DATE: 3/10/2022

### PROJECT MANAGER:
**DANNA WU**

### STRUCTURAL ENGINEER:
**LIN LIN JIN**

### ADIBA MIAZI

### CLIENT:
**PROFESSOR WALID ABOUMOUSSA**

### 2 METROTECH CENTER, 8TH FL

### BROOKLYN NY, 11201

### DANNAW@NYU.EDU

### LLJ239@NYU.EDU

### AM9944@NYU.EDU
<table>
<thead>
<tr>
<th>LEVEL</th>
<th>ELEVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BULKHEAD</td>
<td>231'-0&quot;</td>
</tr>
<tr>
<td>ROOF</td>
<td>219'-0&quot;</td>
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<tr>
<td>LEVEL 18</td>
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<tr>
<td>BASEMENT 1</td>
<td>-12'-0&quot;</td>
</tr>
<tr>
<td>BASEMENT 2</td>
<td>-24'-0&quot;</td>
</tr>
</tbody>
</table>

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

**Drawing Title:** ENJENIR'S SQUARE

**Project Title:** NEW YORK, NY 10001

**Client:** PROFESSOR WALID ABOUMOUSSA

**Drawing No.:** A-107

**Date:** 3/10/2022
GENERAL NOTES:
1. STRUCTURAL DRAWINGS SHALL BE USED IN CONSTRUCTION WITH THE SPECIFICATIONS AND PROJECT DRAWINGS BY OTHER DISCIPLINES.
2. ALL DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES AND SPECIFICATIONS:
   - 2.1.1.1 AISC 360-10
   - 2.1.1.2 ACI 318-11
   - 2.1.1.3 ASME A20.1
   - 2.1.1.4 ASME B31.1
   - 2.1.1.5 NFPA 70
   - 2.1.1.6 NFPA 2001
   - 2.1.1.7 NFPA 130

ELEVATOR MACHINE ROOM
REFUSE ROOM
STAIRS

DRAWING NO.:
6.

CONCRETE OR CONCRETE MUD SLABS.
AS NOTED

NOTES
SEE DRAWINGS FROM ALL DISCIPLINES AND CONSULT WITH GENERAL MEMBERS SHALL NOT BE SPLICED AT THE POINTS OF DRAWING TITLE:
20.

FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SOIL.
CONFORM TO ASTM STANDARD A36 UNLESS OTHERWISE NOTED.
WITH ALLOWABLE BEARING CAPACITY OF 24,000 PSF
1.2.

FOOTINGS WITH AN ALLOWABLE BEARING CAPACITY OF 12,000 PSF AND
1.1.

UNLESS

FOOTINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER’S ENGINEER.

CONCRETE WITH PLASTIC SHEETS AND MAINTAINING SHEETS IN CURING SHALL BE PERFORMED BY COVERING FRESHLY PLACED CONCRETE WITH LIGHT SHEETS.

THE CONTRACTOR SHALL SUBMIT CONCRETE DESIGN MIXES TO "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" WHERE MATERIALS ARE EXPOSED TO EARTH OR TO WEATHER AFTER REMOVAL OF FORMS.

STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO ADEQUATELY BRACE EXISTING BUILDING AS REQUIRED DURING COMPLETION OF THE COMPLETE LAYOUT AND DETAILS OF ALL STRUCTURAL DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER’S ENGINEER.

THE CONTRACTOR SHALL PROVIDE CONTENT OF SEQ. 5-15 UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS, ALL STRUCTURAL STEEL SHALL FOLLOW PROVISIONS IN "CODE FOR ARC AND GAS WELDING ELECTRODES SHALL CONFORM TO A.W.S A5.1 GRADE AND CLASSIFICATION OF THE HIGHEST SEISMIC USE GROUP FOR TWO OR MORE OCCUPANCIES NOT INCLUDED IN THE SAME BUILDING.

THE DETERMINISTIC LIMIT ON MAXIMUM CONSIDERED EARTHQUAKE ACCELERATION IS 0.12 G. SUSPICIOUSLY DESIGNED MATERIALS ARE REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT THE SITE AS REQUIRED TO VERIFY THE CHARACTERISTICS OF SUBSURFACE CONDITIONS.

PARAMETRICALLY REPRESENTED BY RESPONSE SPECTRA AND COEFFICIENTS ACCOUNT FOR THE REGIONAL SEISMICITY AND GEOLOGY; THE EFFECTS IF ANY AND THE CHARACTERISTICS OF SUBSURFACE CONDITIONS.

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BASEMENT B2 OCCUPANCY PLAN
SCALE 1/8" = 1'-0"

ALLOCATION

ES: ELECTRICAL ROOM
ER: ELEVATOR MACHINE ROOM
GR: GREEN ROOM
JR: JANITOR'S CLOSET
LR: LOBBY
MR: MAIL ROOM
MR: MECHANICAL ROOM
OFF: OFFICE
PR: PARKING GARAGE
PL: PARKING GARAGE (RAISED CONCRETE PLATFORM)
RD: REFUSE ROOM
RT: RESTROOM
SH: STORAGE
ST: STAIRS
TE: TELECOM

ELECTRICAL ROOM
ER: ELEVATOR MACHINE ROOM
GR: GREEN ROOM
JR: JANITOR'S CLOSET
LR: LOBBY
MR: MAIL ROOM
MR: MECHANICAL ROOM
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RD: REFUSE ROOM
RT: RESTROOM
SH: STORAGE
ST: STAIRS
TE: TELECOM

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

LOADING SCHEDULE

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<tr>
<th>OCCUPANCY</th>
<th>SDL (PSF)</th>
<th>LL (PSF)</th>
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</tr>
<tr>
<td>TE: TELECOM</td>
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OCCUPANCY LEGEND

- ELECTRICAL ROOM
- ELEVATOR MACHINE ROOM
- GREEN ROOM
- JANITOR'S CLOSET
- LOBBY
- MAIL ROOM
- MECHANICAL ROOM
- OFFICE
- PARKING GARAGE
- PARKING GARAGE (RAISED CONCRETE PLATFORM)
- REFUSE ROOM
- RESTROOM
- STAIRS
- STORAGE
- TELECOM

DRAWING TITLE: GUESS & CHOW, ENGINEERING P.C.
PROJECT TITLE: ENJENIR'S SQUARE
NEW YORK, NY 10001

FILE: S-001
DRAWING NO.
SCALE: 1/8" = 1'-0"
DATE: 3/24/2022

CLIENT: PROFESSOR WALID ABOUMOUSSA
6 METROTECH CENTER
BROOKLYN NY, 11201

GUEST & CHOW, ENGINEERING P.C.
2 METROTECH CENTER, 8TH FL
BROOKLYN NY 11201
DANNA WU
PROJECT MANAGER
2 METROTECH CENTER, 8TH FL
BROOKLYN NY 11201
DANNAW@NYU.EDU

LIN LIN JIN
STRUCTURAL ENGINEER
2 METROTECH CENTER, 8TH FL
BROOKLYN NY 11201
LLJ239@NYU.EDU

ADIBA MIAZI
STRUCTURAL ENGINEER
2 METROTECH CENTER, 8TH FL
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AM9944@NYU.EDU

CHECKED BY:
DATE:
DRAWN BY:
CHECKED BY:
DATE:
DRAWN BY:
CHECKED BY:
DATE:
DRAWN BY:
CHECKED BY:
DATE:
DRAWN BY:
CHECKED BY:
DATE:
DRAWN BY:
17th Floor Occupancy Plan

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<th>LL (PSF)</th>
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<tr>
<td>Elevator Machine Room</td>
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Legend:
- Electrical Room
- Elevator Machine Room
- Green Roof
- Janitor's Closet
- Lobby
- Mail Room
- Mechanical Room
- Office
- Ordinary Roof
- Parking Garage
- Parking Garage (Raised Concrete Platform)
- Refuse Room
- Restroom
- Retail
- Storage
- Telecom

Client: Professor Walid Aboumoussa

Project Manager: Danna Wu

Structural Engineer: Lin Lin Jin, Adiba Miazzi

Drawing Title: 17th Floor Occupancy Plan

Drawing No.: S-005

Scale: AS NOTED

Date: 3/24/2022

GUESS & SONS ENGINEERING P.C.

5th Ave
W 33rd St
E 33rd St
## Occupancy Schedule

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BULKHEAD OCCUPANCY PLAN

OCCUPANCY SCHEDULE

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OCCUPANCY LEGEND

- ELECTRICAL ROOM
- ELEVATOR ELEVATOR ROOM
- JANITOR'S CLOSET
- MAIN ENTRANCE
- MECHANICAL ROOM
- ORDERLY ROOM
- PARKING Garage
- PAYROLL
- RESTROOM
- RETAIL
- STORAGE
- TELECOM

BULKHEAD OCCUPANCY PLAN

SCALE: 1/8" = 1'-0"
FOUNDATION NOTES:

1. TOP OF SLAB ELEVATION = (-24'-0"), U.O.N. THUS ±___ INDICATING DISTANCE ABOVE OR BELOW TOP OF S.O.G.

2. SLAB ON GRADE TO BE 5" THICK C.I.P REINFORCED WITH 6X6-W2.9xW2.9 WELDED WIRE FABRIC ON 6" CRUSHED GRAVEL. TOP OF FOOTING TO BE 5" BELOW TOP OF S.O.G.

3. ESTIMATED BOTTOM OF FOOTING DATUM ELEVATIONS SHOWN TABLE:...

4. ALL SPREAD FOOTINGS SHALL BE CENTERED UNDER COLUMNS ABOVE OR WHERE NO COLUMN OCCURS SHALL BE CENTERED UNDER WALL ABOVE U.O.N ON PLAN

5. CONC. X" FDN WALL TO BE REINFORCED AS PER SCHEDULE IN THIS SHEET.

6. PIER SIZE SHALL BE AS NOTED ON PLAN. TOP OF PIERS UNDER COLUMNS SHALL BE 1" BELOW BOTTOM OF BASE PLATE. SEE COLUMN SCHEDULE FOR BASE PLATE ELEVATION.

7. CONC. X" FDN WALL TO BE REINFORCED AS PER SCHEDULE IN THIS SHEET FOR FOOTING DIMENSIONS.

8. SEE S-301 FOR FOOTING TYPICAL DETAILS.

9. SEE S-401 FOR COLUMN SCHEDULE.

FOOTING SCHEDULE (PLACEHOLDER)

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<tr>
<th>MARK</th>
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<td>F30</td>
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<td>×15'-0&quot;</td>
<td>5'-0&quot;</td>
<td>20-#9</td>
<td>-29'-0&quot;</td>
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<tr>
<td>F22</td>
<td>11'-0&quot;</td>
<td>×11'-0&quot;</td>
<td>5'-0&quot;</td>
<td>15-#9</td>
<td>-29'-0&quot;</td>
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<tr>
<td>F20</td>
<td>10'-0&quot;</td>
<td>×10'-0&quot;</td>
<td>3'-6&quot;</td>
<td>10-#9</td>
<td>-27'-6&quot;</td>
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<tr>
<td>F16</td>
<td>8'-0&quot;</td>
<td>×8'-0&quot;</td>
<td>2'-0&quot;</td>
<td>15-#6</td>
<td>-26'-0&quot;</td>
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<tr>
<td>F12</td>
<td>6'-0&quot;</td>
<td>×6'-0&quot;</td>
<td>2'-0&quot;</td>
<td>16-#4</td>
<td>-26'-0&quot;</td>
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</tbody>
</table>

FOUNDATION PLAN

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

GUESS & LOCH, ENGINEERING P.C.

PROJECT MANAGER
DANNA WU
DANNA WU
2 METROTECH CENTER, 8TH FL
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DANAW@NYU.EDU

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STRUCTURAL ENGINEER
ADIBA MIAZI
AM9944@NYU.EDU
2 METROTECH CENTER, 8TH FL
BROOKLYN NY 11201

CLIENT: PROFESSOR WALID ABOUMOUSSA
6 METROTECH CENTER
BROOKLYN NY, 11201

DRAWING NO.: S-100

G&C
WA
S-100
NOTES:
1. FLOOR CONSTRUCTION AND RAMP SHALL BE 3/4" OF CONCRETE ON 2" NON-COMPOSITE METAL DECK.
2. T.O.S. ELEVATION IS EQUAL TO FINISHED FLOOR ELEVATION MINUS 5 1/4" U.O.N.
3. SHORING OF METAL DECK IS NOT PERMITTED UNLESS OTHERWISE SPECIFIED ON THE PLAN.
4. ATTACH DECK PANELS TO ONE ANOTHER AT SIDE LAPS BY MECHANICALLY FASTENING WITH #10 SHEET METAL SCREWS AT 24" ON CENTER.
5. WELD DECK TO STEEL WITH 3/4" DIA. PUDDLE WELDS AT 12" ON CENTER. WHERE TWO UNITS ABUT, EACH UNIT SHALL BE SO WELDED TO THE STEEL FRAMING.
6. STEEL BEAM SHALL BE EQUALLY SPACED WITHIN BAYS U.O.N.
NOTES:
1. FLOOR CONSTRUCTION SHALL BE 3 1/4" LW CONCRETE ONLY.
   COMPOSITE METAL DECK OR USE EQUITABLE DECK AS PER PLAN.
2. DECK PANELS ARE NOT PERMITTED UNLESS OTHERWISE SPECIFIED ON THE PLAN.
3. DECK PANELS ARE TO BE INSTALLED AT 3" LAPS AND MECHANICALLY FASTENED WITH #10 SHEET METAL SCREWS AT 24" ON CENTER.
4. DECK PANELS ARE TO BE INSTALLED AT 12" ON CENTER, WHERE TWO UNITS ABUT, EACH UNIT SHALL BE SO FASTENED TO THE STEEL FRAMING.
5. NUMBER OF SHEAR CONNECTORS IS SHOWN ON PLANS BY (- -)
6. STEEL BEAM SHALL BE EQUALLY SPACED WITHIN BAYS U.O.N.
NOTES:
1. FLOOR CONSTRUCTION SHALL BE 3 1/4" LW CONCRETE ON 2" COMPOSITE METAL DECK.
2. T.O.S. ELEVATION IS EQUAL TO FINISHED FLOOR ELEVATION MINS 3'-0".
3. ATTACH DECK PANELS TO ONE ANOTHER AT SIDE LAP BY MECHANICAL FASTENING WITH #10 SHEET METAL SCREWS AT 24" ON CENTER.
4. WELD DECK TO STEEL WITH 3/4" DIA. PUDDLE WELDS AT 12" ON CENTER. WHERE TWO UNITS ABUT, EACH UNIT SHALL BE SO WELDED TO THE STEEL FRAMING.
5. NUMBER OF SHEAR CONNECTORS IS SHOWN ON PLANS BY (- -).
6. STEEL BEAM SHALL BE EQUALLY SPACED WITHIN BAYS U.O.N.
7. TYPICAL FLOOR FRAMING PLAN (2-16)

TYPICAL FLOOR FRAMING PLAN (2-16)
18TH FLOOR FRAMING PLAN

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

NOTES:
1. FLOOR CONSTRUCTION SHALL BE 3 1/4" LW CONCRETE ON 2" COMPOSITE METAL DECK.
2. T.O.S. ELEVATION IS EQUAL TO FINISHED FLOOR ELEVATION MINUS 5 1/4" U.O.N.
3. SHORING OF METAL DECK IS NOT PERMITTED UNLESS OTHERWISE SPECIFIED ON THE PLAN.
4. ATTACH DECK PANELS TO ONE ANOTHER AT SIDE LAPS BY MECHANICALLY FASTENING WITH #10 SHEET METAL SCREWS AT 24" ON CENTER. WHERE TWO UNITS ABUT, EACH UNIT SHALL BE SO WELDED TO THE STEEL FRAMING.
5. NUMBER OF SHEAR CONNECTORS IS SHOWN ON PLANS BY (- -).
6. STEEL BEAM SHALL BE EQUALLY SPACED WITHIN BAYS U.O.N.

LEGEND
- SLAB OPENING
- DECK SPANK DIRECTION
- MOMENT CONNECTION

KEY
- X = DECK SPANK DIRECTION
- C = FACE OF BDLG (TYP.)
- E = MOMENT CONNECTION

15'-0" 30'-0" 30'-0" 30'-0" 15'-0"
5/16/2022

DRAWING TITLE: GUESS & CHECK ENGINEERING P.C.
PROJECT TITLE: ENJENIR'S SQUARE
NEW YORK, NY 10001

NO.
DESCRIPTION
DATE:
DRAWN BY:
CHECKED BY:
PROJECT MANAGER
STRUCTURAL ENGINEER
STRUCTURAL ENGINEER
CLIENT:
PROFESSOR WALID ABOUMOUSSA
6 METROTECH CENTER
BROOKLYN NY, 11201

DRAWING NO.: S-105
SCALE: AS NOTED
DRAWN BY: G&C
CHECKED BY: WA
DATE: 5/16/2022
3. Slab opening
4. Deck span direction
5. Column above
6. Column below
7. Slab step
8. Moment connection

NOTES:
1. Floor construction shall be 3 1/4" LW concrete on 2" composite metal deck.
2. Elevation minutes 1/8" = 1'-0".
3. Shoring of metal deck is not permitted unless otherwise specified on the plan.
4. Attach deck panels to one another at side laps in mechanically-fastening with #8 sheet metal screws at 24" on center.
5. Moment connections are welded at 12" on center, unless two units abut, each unit shall be so welded to the steel framing.
6. Number of shear connectors is shown on plans by (- -).
7. Steel beam shall be equally spaced within bays U.O.N.

LEGEND:
- Slab opening
- Deck span direction
- Column above
- Column below
- Slab step
- Moment connection

**ROOF FRAMING PLAN**
**COLUMN SCHEDULE**

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**BASE PLATE**

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**DATE:** 5/16/2022

**DRAWING NO.:** S-301