GENERAL NOTES:
1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS.
2. FILED MEASUREMENTS SHALL BE TAKEN AT THE SITE BY THE CONTRACTOR TO VERIFY AND SUPPLEMENT ALL DIMENSIONS AND ADDITIONS AFFECTED BY EXISTING WORK OR NEW WORK THAT HAS ALREADY BEEN INSTALLED. ANY DISCREPANCIES FROM THE INFORMATION SHOWN ON PLANS SHALL BE REPORTED TO THE SITE COORDINATED WITH THE PROJECT MANAGER.
3. BEFORE COMMENCEMENT OF ANY WORK AND/OR FABRICATION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR HEALED APPROVAL, CONCRETE BARS DESIGN FOR EACH LOCATION, SIZE, AND LENGTH, TO INCLUDE FOUNDATION AND STRUCTURAL DETAILING AND SHOP DRAWINGS FOR ALL STRUCTURAL TRUSSES AND OTHER DOCUMENTS AS REQUIRED BY PERMITS SPECIFICATIONS.
4. SUBMIT SHOP DRAWINGS SHOWING REINFORCEMENT POSITIONED PROPERLY IN CONCRETE WORK.
5. THE CONTRACTOR SHALL ADEQUATELY PROTECT BARS. SURFACES, SUPPORT ETC. THE STRUCTURE DURING THE ENTIRE CONSTRUCTION PERIOD SUCH PROTECTION SHALL BE DESIGNED, INSPECTED AND ENSURED COORDINATED WITH THE GENERAL CONTRACTOR.
6. MEMBERS WITH SIZES INDICATED ON THE DRAWINGS ARE NEW.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ROOF, FLOOR AND WALL PUNTEERING, PATCHING, REPAIRING AND FINISHING.
8. UNLESS OTHERWISE RECOMMENDED BY THE GEO-TECHNICAL ENGINEERS REPORT, SLABS ON GRADE SHALL BE SUPPORTED BY A COMPACTION FOOTING OR FOOTING AT LEAST 4 INCHES (100MM) DEEP FOR EACH 12 INCHES (300MM) OF CUSTOMER'S WALLS, FLOOR, AND FOOTINGS TO BE PLACED IN THE BAND AND THE FOOTING WILL BE INSHOT WITH THE FLOOR SLAB AND THE FOOTING IS REQUIRED TO BE EPOXY COATED IN CONFORMANCE WITH ASTM A 175.
9. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ANCHORED, EMBEDDED OR SUPPORTED ITEMS. NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES.
10. THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED WITH STRUCTURAL ARCHITECTURAL, AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
11. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
12. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED BY TRADES BEFORE CONCRETE IS POURED.
13. CONCRETE MAY BE CONVEYED BY PUMPING. PUMPING METHODS SHALL COMPLY WITH PROCEDURES PRESENTED IN THE NEW YORK STATE ADMINISTRATIVE CODE SHALL APPLY TO THIS PROJECT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ROOF, FLOOR AND WALL PUNTEERING, PATCHING, REPAIRING AND FINISHING.
15. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ROOF, FLOOR AND WALL PUNTEERING, PATCHING, REPAIRING AND FINISHING.
16. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED BY TRADES BEFORE CONCRETE IS POURED.
17. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED BY TRADES BEFORE CONCRETE IS POURED.
18. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ROOF, FLOOR AND WALL PUNTEERING, PATCHING, REPAIRING AND FINISHING.
20. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED BY THE STRUCTURAL ENGINEER.

CONCRETE NOTES:
1. ALL STRUCTURAL CONCRETE IS 3,000 PSI NORMAL WEIGHT CONCRETE.
2. BAR REINFORCEMENT CONFORM TO AS 4673.4.5 AS.
3. CONCRETE SHALL BE CAST MONOLITHICALLY EXCEPT WHERE OTHERWISE SHOWN.
4. REINFORCEMENT BAR SHALL HAVE THE FOLLOWING CONCRETE PROTECTION
   A. CONCRETE CAST AGAINST EARTH
   B. EXPOSED TO EARTH OR MANTLES
   C. SLABS AND WALLS NOT EXPOSED
   D. Slabs and walls where exposed to earth or weather

5. Maximum depth of concrete pour distance between construction joints shall be a minimum of 3 feet.
6. Slabs and walls not exposed to earth or weather
7. Beams and girders not exposed to earth or weather
8. Slabs and walls exposed to earth or weather
9. Building design information summary

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<tr>
<th>AREA</th>
<th>LIVE</th>
<th>SUPERSEDE</th>
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<td>MAIL ROOM</td>
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SITE BLOCK LOCATION

Drilling Index

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<th>Date</th>
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<tr>
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<tr>
<td>S-001.0</td>
<td>General Notes</td>
<td>10/08/2016</td>
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</tbody>
</table>

Project Number: 101
Drawn By:_
Checked By: J.M. 

ARCHITECT AND ENGINEER.

ENGINEERS, PURSUANT TO CHAPTERS 61G15-30 AND 61G15-31 OF THE NEW YORK STATE ADMINISTRATIVE CODE SHALL APPLY TO THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED WITH STRUCTURAL ARCHITECTURAL, AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.

CONCRETE MAY BE CONVEYED BY PUMPING. PUMPING METHODS SHALL COMPLY WITH PROCEDURES PRESENTED IN THE NEW YORK STATE ADMINISTRATIVE CODE SHALL APPLY TO THIS PROJECT.

NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED BY THE STRUCTURAL ENGINEER.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ROOF, FLOOR AND WALL PUNTEERING, PATCHING, REPAIRING AND FINISHING.

THE CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED BY TRADES BEFORE CONCRETE IS POURED.

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THE CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED BY TRADES BEFORE CONCRETE IS POURED.
1. EXCAVATION, SUBGRADE PREPARATION AND FOUNDATION WORK SHALL BE DONE ACCORDING TO THE REPORT AND UNDER SUPERVISION OF LICENSED GEOTECHNICAL ENGINEERS IN CONFORMITY WITH DIRECT EMPLOYER.

2. MAKE NO EXCAVATION TO THE FULL DEPTH INDICATED WHEN FREEZING TEMPERATURES MAY BE EXPECTED. ADD THE FOOTINGS OR SLABS VALUE PLANK IMMEDIATELY AFTER THE EXCAVATION HAS BEEN COMPLETED. SHOULD PROTECTIVE FILM, REMOVE FROZEN MATERIALS AND REPLACE WITH CONCRETE OR GRAVEL FILL.

3. FLOOR WALLS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE AND OTHER FORCES UNTIL SLABS, BEAMS, AND OTHER MEMBERS DESIGNED TO RESIST THE FINISHED STRUCTURE HAVE BEEN IN PLACE AND COMPLETED.

4. ALL SPREAD FOOTINGS SHALL BE CENTERED UNDER COLUMNS ABOVE OR WHERE NO COLUMN OCCURS THEY SHALL BE CENTERED UNDER WALLS ABOVE.

NOTES:

1. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.

2. DOWELS FOR WALLS SHALL BE 15" THICK WITH BASE AT 1'6" DEEP FOR VERTICAL REINFORCEMENT IN WALL FOOTINGS SHALL BE 5'6" X 5'6" (17' X 17') OF #4 BARS AT 12" SPACING FOR VERTICAL REINFORCEMENT IN WALL FOOTINGS SHALL BE 5'6" X 5'6" (17' X 17') OF #4 BARS AT 12" SPACING.

3. DEVELOPMENT LENGTH Ld SHALL BE 21".

4. ALL EARTHWORK SUBGRADE PREPARATION AND FOUNDATION WORK SHALL BE DONE ACCORDING TO THE CONTRACT DOCUMENTS AND UNDER SUPERVISION OF LICENSED GEOTECHNICAL ENGINEERS IN CONFORMITY WITH DIRECT EMPLOYER.

5. USE #8 BARS FOR DOOWELS, AND DOOR OPENINGS. HPL SHALL BE 15" FROM THE WALL INTO THE FLOOR SLAB.

6. WALL FOOTINGS SHALL BE 3'0" WIDTH AND 12' TOTAL DEPTH OF HOLLOW PEPSI CM WITH #8 BARS AT 12" SPACING.

7. WALLS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE AND OTHER FORCES UNTIL SLABS, BEAMS, AND OTHER MEMBERS DESIGNED TO RESIST THE FINISHED STRUCTURE HAVE BEEN IN PLACE AND COMPLETED.

8. ALL SPREAD FOOTINGS SHALL BE CENTERED UNDER COLUMNS ABOVE OR WHERE NO COLUMN OCCURS THEY SHALL BE CENTERED UNDER WALLS ABOVE.

9. ELEVATION OF TOP OF SLAB: 190'-0".

10. ELEVATION OF TOP OF SLAB: 200'-0".

11. ELEVATION OF TOP OF SLAB: 205'-0".

12. ELEVATION OF TOP OF SLAB: 210'-0".

13. ELEVATION OF TOP OF SLAB: 215'-0".

14. ELEVATION OF TOP OF SLAB: 220'-0".

15. ELEVATION OF TOP OF SLAB: 225'-0".

16. ELEVATION OF TOP OF SLAB: 230'-0".

17. ELEVATION OF TOP OF SLAB: 235'-0".

18. ELEVATION OF TOP OF SLAB: 240'-0".

19. ELEVATION OF TOP OF SLAB: 245'-0".

20. ELEVATION OF TOP OF SLAB: 250'-0".

21. ELEVATION OF TOP OF SLAB: 255'-0".

22. ELEVATION OF TOP OF SLAB: 260'-0".

23. ELEVATION OF TOP OF SLAB: 265'-0".

24. ELEVATION OF TOP OF SLAB: 270'-0".

25. ELEVATION OF TOP OF SLAB: 275'-0".

26. ELEVATION OF TOP OF SLAB: 280'-0".

27. ELEVATION OF TOP OF SLAB: 285'-0".

28. ELEVATION OF TOP OF SLAB: 290'-0".

29. ELEVATION OF TOP OF SLAB: 295'-0".

30. ELEVATION OF TOP OF SLAB: 300'-0".

31. ELEVATION OF TOP OF SLAB: 305'-0".

32. ELEVATION OF TOP OF SLAB: 310'-0".

33. ELEVATION OF TOP OF SLAB: 315'-0".

34. ELEVATION OF TOP OF SLAB: 320'-0".

35. ELEVATION OF TOP OF SLAB: 325'-0".

36. ELEVATION OF TOP OF SLAB: 330'-0".

37. ELEVATION OF TOP OF SLAB: 335'-0".

38. ELEVATION OF TOP OF SLAB: 340'-0".

39. ELEVATION OF TOP OF SLAB: 345'-0".

40. ELEVATION OF TOP OF SLAB: 350'-0".

41. ELEVATION OF TOP OF SLAB: 355'-0".

42. ELEVATION OF TOP OF SLAB: 360'-0".

43. ELEVATION OF TOP OF SLAB: 365'-0".

44. ELEVATION OF TOP OF SLAB: 370'-0".

45. ELEVATION OF TOP OF SLAB: 375'-0".

46. ELEVATION OF TOP OF SLAB: 380'-0".

47. ELEVATION OF TOP OF SLAB: 385'-0".

48. ELEVATION OF TOP OF SLAB: 390'-0".

49. ELEVATION OF TOP OF SLAB: 395'-0".

50. ELEVATION OF TOP OF SLAB: 400'-0".

51. ELEVATION OF TOP OF SLAB: 405'-0".
NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0'-0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AT 82'-0" UNLESS OTHERWISE NOTED THUS ±(X'-X")
2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.
3. BASEMENT FLOOR SLAB THICKNESS IS 10" SLAB
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-200.0 TO S-205.0
5. FOR GENERAL NOTES SEE S-201.0

Level Schedule

Elevation of Top of slab: -12'-0"

Level 1 86'-0"
Level 2 95'-0"
Level 3 104'-0"
Level 4 113'-0"
Level 5 122'-0"
Level 6 131'-0"
Pent House Floor 16 140'-0" Base
Level 7 149'-0" Roof 15 158'-0" Top of Bulkhead

Level Schedule

Name Elevation
Elevator Pit -28'-0"
Sub Basement -24'-0"
Basement -12'-0"
Ground Floor 0'-0"
Level 2 14'-0"
Level 3 23'-0"
Level 4 32'-0"
Level 5 41'-0"
Level 6 50'-0"
Level 7 59'-0"
Level 8 68'-0"
Level 9 77'-0"
NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0' WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). ALL ELEVATIONS INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.
2. ALL ELEVATIONS REFER TO TOP OF REBAR.
3. GROUND FLOOR SLAB THICKNESS IS 12" SLAB.
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-200.0 TO S-205.0
5. FOR GENERAL NOTES SEE S-001.0
6. BOTTOM REINFORCEMENTS ARE #6 BARS AT 10" SPACING UNLESS OTHERWISE NOTED.
7. CROSS HATCH REPRESENTS MARGINS OF EXTRAS BOTTOM REINFORCEMENT. THE EXTRA REINFORCEMENT AMOUNT IS SHOWN ON THE AREA.
**Phantom Tower**

**2nd Fl. Framing Plan**

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**Elevation of top of slab: 14'-0"**

**NOTES:**

1. BUILDING ELEVATION DATUM SHALL BE 0' WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AT 82'-0" UNLESS OTHERWISE NOTED THIS±(X'-X")

2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.

3. 2ND FLOOR SLAB THICKNESS IS 8" SLAB -200.0 TO S-205.0

4. FOR GENERAL NOTES SEE S-001.0

**Scale**

1/8" = 1'-0"
**NOTES:**
1. BUILDING ELEVATION DATUM SHALL BE 0'-0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAD88) AT 82' 6" (UNLESS OTHERWISE NOTED THIS 42' 4")
2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.
3. 2ND FLOOR SLAB THICKNESS IS 8' SLAB
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-265.3 TO S-265.5
5. FOR GENERAL NOTES SEE 5-201.7
6. CROSS HATCH REPRESENTS AREAS OF EXTRA BOTTOM REINFORCEMENT. THE EXTRA REINFORCEMENT AMOUNT IS SHOWN ON THE AREA.

**S-107.0**
2nd Fl. Reinforcement Plan

**Phantom Tower**

*Drawn By: J.H.*

**Date:** 12/15/2016
NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0' - 0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AT 82' - 0" UNLESS OTHERWISE NOTED PLUS ±(X'-X")
2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.
3. TERMINAL COLUMNS THICKNESS IS 8" SLAB
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-200.0 TO S-205.0
5. FOR GENERAL NOTES SEE S-001.0
6. S-108.0

1/8" = 1'-0"
NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0' WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN COAST STATION (N.A.C.S.), 1980. ZEROS FOLLOWED BY 0" IS REFLECTED AS 00.000; OTHERWISE NOTED AS 0(XX)'.
2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.
3. TYPICAL FLOOR/SLAB THICKNESS IS 8, 6" SLAB.
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-297.0 TO S-305.0
5. FOR GENERAL NOTES SEE S-503.0
6. BOTTOM REINFORCEMENTS ARE #5 BARS AT 10" SPACING UNLESS OTHERWISE NOTED.
7. DRESS WITH REPRESENTS AREAS OF EXTRA BOTTOM REINFORCEMENT. THE EXTRA REINFORCEMENT AMOUNT IS SHOWN ON THE AREA.
NOTES:

1. BUILDING ELEVATION DATUM SHALL BE 0'-0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AT 82'-0".

2. ALL ELEVATIONS ARE RELATIVE TO TOP OF SLAB ELEV.

3. REINFORCEMENT BARS AT 10" SPACING UNLESS OTHERWISE NOTED.

4. CROSSHATCH REPRESENTS AREAS OF EXTRA BOTTOM REINFORCEMENT. THE EXTRA REINFORCEMENT AMOUNT IS SHOWN ON THE AREA.

1/8" = 1'-0"

Phantom Tower
16th Fl. Reinforcement Plan

S-111.0

Project Number
101

12/19/2016

Sheet
1/8" = 1'-0"

No. Description Date

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NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0'-0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AT 82'-0" UNLESS OTHERWISE NOTED THIS ±(X'-X")
2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.
3. 17TH FLOOR SLAB THICKNESS IS 8" SLAB
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-200.0 TO S-205.0
5. FOR GENERAL NOTES SEE S-001.0

Level Schedule

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<td>Pent House</td>
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<td>149'-0&quot;</td>
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<td>Roof 15</td>
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<tr>
<td>Top of Bulkhead</td>
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Elevator Pit Schedule

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<tr>
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<td>Level 9</td>
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Phantom Tower
17th Fl. Framing Plan

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

Walid Aboumoussa
Chief Engineer
P.E. Ph.D
718 123 4567

Mark Milkis
Project Manager
P.E.
718 123 4568

Mohammad Maalla
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P.E. Chief Engineer
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718 123 4571

Xin Tao Liao
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Average Engineer / Architect
718 123 4572

Carlos Peralta
Phantom Engineering
P.E. Ph.D / Architect
718 123 4571

Justim Hum
Phantom Engineering
Ph.D / Intern
718 123 4572

Date: 12/15/2016

Project Number: S-112.0

No. Description Date

Elevation of top of slab: 149'-0"
Elevation of top of slab: 149'-0"

1. BUILDING ELEVATION DATUM SHALL BE 0'-0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AT 82'-0" (ST2'-0"

2. ALL LEVEL INDICATED ARE RELATIVE TO TOP OF SLAB ELEVATION.

3. FLOR SLAB THICKNESS IS 8" SLAB.

4. CROSS HATCH REPRESENTS AREAS OF EXTRA BOTTOM REINFORCEMENT. THE EXTRA REINFORCEMENT AMOUNT IS SHOWN ON THE AREA.

5. FOR GENERAL NOTES SEE S-200.0 TO S-205.0

6. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-206.0 TO S-207.0

7. FOR GENERAL NOTES SEE S-200.0 TO S-205.0

8. 1/8" = 1'-0"
NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0'-0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AT 82'-0" UNLESS OTHERWISE NOTED (SEE FIG. 1).
2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV
3. ROOF FLOOR SLAB THICKNESS IS 8" SLAB
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-200.0 TO S-205.0
5. FOR GENERAL NOTES SEE S-001.0
NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0' 0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM (1988) AT THE NORTH CORNER OF THE BUILDING.
2. ELEVATIONS ARE RELATIVE TO THE TOP OF THE SLAB AT EACH LEVEL UNLESS OTHERWISE NOTED.
3. 12" FLOOR SLAB THICKNESS.
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE SHEET S-200.0 TO S-205.0
5. FOR GENERAL NOTES SEE SHEET S-200.0
6. BOTTOM REINFORCEMENT RANGES FROM 4-6 BARS AT 8" SPACING UNLESS OTHERWISE NOTED.
7. CROSS HATCH REPRESENTS AREAS OF EXTRA BOTTOM REINFORCEMENT. THE EXTRA REINFORCEMENT AMOUNT IS SHOWN ON THE AREA.

NAME ELEVATION

Elevation of top of slab: 158' 0"
NOTES:
1. BUILDING ELEVATION DATUM SHALL BE 0'-0" WITH RESPECT TO ELEVATION OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) UNLESS OTHERWISE NOTED, THUS ± (X' - X"
2. ALL ELEV. INDICATED ARE RELATIVE TO TOP OF SLAB ELEV.
3. BULKHEAD SLAB THICKNESS IS 8" SLAB
4. FOR TYPICAL DETAILS AND COLUMN SCHEDULE SEE S-200.0 TO S-205.0
5. GENERAL NOTES SEE S-001.0
6. BOTTOM REINFORCEMENTS ARE #5 BARS AT 10" SPACING UNLESS OTHERWISE NOTED.
7. CROSS HATCH REPRESENTS AREAS OF EXTRA BOTTOM REINFORCEMENT. THE EXTRA REINFORCEMENT AMOUNT IS SHOWN ON THE AREA.
<table>
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<th>No.</th>
<th>Description</th>
<th>Date</th>
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</thead>
</table>

**Typical Details**

**Phantom Tower**

**Project Number:** 101

**File:** 10/08/2016

**Drawn By:** J.H.

**Checked By:** X.L.

**Project Manager:** Mark Milkis

**Chief Engineer:** Walid Aboumoussa

**Average Engineer:** Xin Tao Liao

**P.E. Ph.D.:** Mohammad Moalla

**Intern:** Justim Hum

**P.E.:** Carlos Peralta

**P.E.  / Architect:** Mohammad Moalla

**Project Number:** 101

**Checked By:** X.L.

**Drawn By:** J.H.
1. All concrete ultimate strength shall be 5,600 PSI
2. Axial loads presented are unfactored loads

NOTES:
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<th>Description</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>ALL CONCRETE ULTIMATE STRENGTH SHALL BE 5,000 PSI</td>
<td></td>
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<tr>
<td>2</td>
<td>AXIAL LOADS PRESENTED ARE UNFACTORED LOADS</td>
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</table>
### Shear Wall North Elevation

**Location:**
- [SCALE: 1/32" = 1'-0"

1. **SHEAR WALL EAST ELEVATION**

- W1
- W4
- -28' - 0" Elevator Pit
- -24' - 0"
- -12' - 0"
- J.H.
- X.L.
- 0' - 0" Ground Floor
- 10/08/2016 14' - 0" Level 2
- 23' - 0" Level 4
- 32' - 0" Level 6
- 41' - 0" Level 7
- 68' - 0" Level 9
- 77' - 0" Level 11
- 95' - 0" Level 12
- 113' - 0" Level 14
- 131' - 0" Level 15
- 149' - 0" Pent House Floor 16
- 158' - 0" Pent House Floor 17
- 167' - 0" Roof Garden

**OPENINGS ARE SHOWN SCHEMATICALLY TO PROVIDE GOVERNING CRITERIA WHERE REQUIRED FOR SCHEDULE. (SHEAR WALL REINFORCEMENT SCHEDULE ONLY PRESENTS FOR SINGLE FACE).**

1. **ALL BARS USED IN SHEAR WALLS MUST BE TENSION SPLICED. SEE S-201.0.**

2. **A PLATE OF SHEAR WALL REINFORCEMENT SHALL CORRESPOND WITH THE SHEAR WALL REINFORCEMENT SCHEDULE. (SHEAR WALL REINFORCEMENT SCHEDULE ONLY PRESENTS FOR SINGLE FACE).**

3. **MAXIMUM VERTICAL SPACING OF BARS SHALL BE 18". MINIMUM VERTICAL SPACING OF DOUBLE BARS SHALL BE 12".**

4. **THE CONTRACTOR SHALL NOT INSTALL CONSTRUCTION JOINTS BETWEEN SLABS AND SHEAR WALLS.**

5. **ORDERING ARE SHOWN SCHEMICALLY TO PROVIDE GOVERNING CRITERIA WHERE REQUIRED FOR STRUCTURAL REASONS ONLY. REFER TO MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR BALANCE OF INFORMATION.**

### Phantom Tower

**Typical Details**

- Project Number: 101
- Issue By: X.L.
- Checked By: J.H.
- Date: 10/08/2016
- Sheet: S-204.0