## DRAWING LIST

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<th>DRAWING NO.</th>
<th>STRUCTURE NO.</th>
<th>DRAWING TITLE</th>
<th>SIZE</th>
<th>NOTE</th>
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<td>45m SST Hybrid-Site Layout</td>
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<td>45m tower foundation</td>
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DESIGNED: ____________________  CHECKED: ____________________  APPROVED: ____________________
<table>
<thead>
<tr>
<th>No.</th>
<th>MW1</th>
<th>MW2</th>
<th>MW3</th>
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<tr>
<td>1.3</td>
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**Comments:**
- See details in the attached file.
- MW 1/2/3 = 1.3
- For interpretation, please refer to the attached file.
### Cable List

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<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
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<tr>
<td>Lightning Cable</td>
<td>Yellow and Green Copper cable 70mm</td>
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<tr>
<td>Earth Cable</td>
<td>Yellow and Green Copper cable 50mm</td>
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<tr>
<td>Earthing Strip</td>
<td>Earthing copper strip, 25mm*3mm</td>
<td>20m+20m+20m</td>
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<tr>
<td>Earth Bar</td>
<td>thickness 3mm, 12 holes, copper 4 pcs</td>
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<tr>
<td>Cable Tray</td>
<td>400mm width, 2m per pcs</td>
<td>2 pcs</td>
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<tr>
<td>Feeder Cable</td>
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</tr>
<tr>
<td>Earth Rod</td>
<td>1.5m length, copper</td>
<td>5 pcs</td>
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<tr>
<td>Generator</td>
<td>12.5KVA, 1+1</td>
<td>1 Set</td>
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<tr>
<td>Gravel</td>
<td>10cm Thickness</td>
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<tr>
<td>Compacted Soil</td>
<td>30CM Thickness</td>
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<td>AC Power Cable</td>
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<td>Aviation light</td>
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<td>6'' PVC drain pipe</td>
<td>1pcs/3m</td>
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**SITE ID:** G-6083  
**SITE Option:** C1  
**SITE NAME:** NLN-Shabasha-02  
**Site Title:** 45m SST Hybrid - Site Elevation  
**Sector:** SEC.(1) - SEC.(7)  
**Design Project:** Sudatel Phase H Project  
**COMPANY:** DIRECTPOINT
**Remark:**

1. Outside frame 80x40x2.5mm, inside frame 60x30x2.5mm;
2. Steel sheet 1.5mm thickness;
3. Steel Material shall follow up ASTM A235 or equivalent, Gr. 8.8;
4. The fixation part of the gate should be 2.5 inch x 2.5 inch x 2.5mm.

### Outside view

- **Sec. (1)**
  - No.: MW1
  - MW2
  - MW3
  - SECTOR
- **Sec. (2)**
  - 30M
  - 30M
- **Sec. (3)**
  - 30M
  - 30M
- **Sec. (5)**
  - 30M
  - 30M
- **Sec. (6)**
  - 30M
  - 30M
- **Sec. (7)**
  - 30M
  - 30M

### Diagram

- **Outside view**
  - Dimensions: 400x2200x300, 400x2200x300
  - Section at the gate
<table>
<thead>
<tr>
<th>SECTOR</th>
<th>SEC.(1)</th>
<th>SEC.(2)</th>
<th>SEC.(3)</th>
<th>SEC.(5)</th>
<th>SEC.(6)</th>
<th>SEC.(7)</th>
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<tbody>
<tr>
<td>No.</td>
<td>MW1</td>
<td>MW2</td>
<td>MW3</td>
<td></td>
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</tbody>
</table>

**Inside View**

- 3000
- 400
- 2200
- 300
- 1500
- 1500

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*Note: The table and diagram represent measurements and sector designations for a specific project.*
4. The compact rule for the backfilling soil should be 95%.

Plan concrete strength: 1.0 Mpa.

3. Required concrete strength: 2.5 Mpa.

2. All crossROAD edges of foundation will have a 20mm chamfer.

I. Front Door

Note:
1. All exposed edges of foundation will have a 20mm chamfer.

Note:

4. The compacted soil for the backfilling soil should be 95%.

Ren concrete strength: 10Mpa

3. Reinforced concrete strength: 25Mpa

SEC. (1)  SEC. (2)  SEC. (3)  SEC. (5)  SEC. (6)  SEC. (7)  No. MW1 MW2 MW3
1. Strength for all reinforced concrete elements
2. Strength of plain concrete after 28 days is 150 KG/CM²
3. Steel rebar yield strength: 335 MPa (d=12 mm)
4. Concrete cover for subterranean concrete elements is 30 mm
5. Concrete cover for superterranean concrete elements is 30 mm
6. All materials used in casting process shall be approved by the consultant(s)
7. All casting process shall be made under direct supervision from consultant(s)
8. All exposed edges of foundation will have a 20 mm chamfer.
9. The compaction rate for the backfilling should be 95%.

Notes:

- All reinforced concrete elements after 3 days of casting is 250 KG/CM².
1. Strength for all reinforced concrete elements.

2. Strength of plain concrete after 28 days is 150 kg/cm².

3. Steel Rebar yield strength: 335 MPa (d=12 mm).

4. Concrete cover for subterranean concrete elements is 30 mm.

5. Concrete cover for superterranean concrete elements is 30 mm.

6. All materials used in casting process shall be approved by the consultant(s) under direct supervision from consultant(s).

7. The compact rate for backfilling should be 95%.

8. All exposed edges of foundation will have a 20 mm chamfer.

9. The compact rate for all reinforced concrete elements after 28 days of casting is 250 kg/cm².

NOTES:

F.L

- Gravel
- Well selected & compacted soil
- Natural soil
- Well compacted soil
- Natural ground level

B-B

- Plain Concrete
- 100 mm
- Well selected & compacted soil
- Natural soil

A-A

- Detail Chamfer
- Ø12 mm @ 200
- Ø12 mm @ 200
- Gravel

SECTOR

- SEC.(1)
- SEC.(2)
- SEC.(3)
- SEC.(5)
- SEC.(6)
- SEC.(7)

No.

- MW1
- MW2
- MW3
BASE PLATE
ANCHOR BOLTS
WELL COMPACTED FILL (Natural Soil)

ELEVATION
CLCL
CL
CL

PLAN
ANCHOR BOLT DETAILS (TYPICAL)
Base Plate of Tower
50mm Grout
Total length=1500mm

TOWER FOUNDATION TABLE

<table>
<thead>
<tr>
<th>SECTOR</th>
<th>SEC.(1)</th>
<th>SEC.(2)</th>
<th>SEC.(3)</th>
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Tower Foundation Design—Gen. SS1