

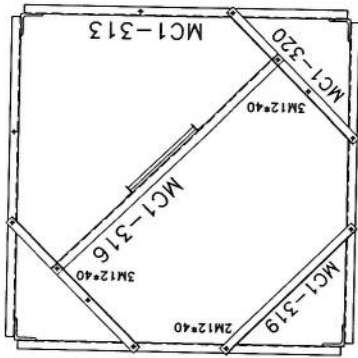


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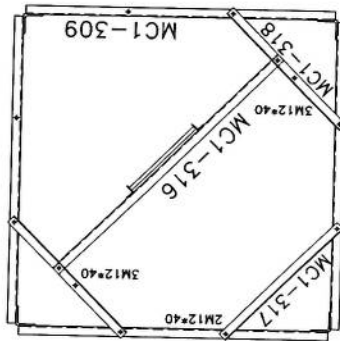
|                         |        |                        |         |              |          |             |  |
|-------------------------|--------|------------------------|---------|--------------|----------|-------------|--|
| Project No.: _____      |        | Scale: 1/11            |         | Ref. No. 00  |          | Sheet No. 1 |  |
| Tower Type: TOWER NB    |        | Title: NB TOWER 30m    |         |              |          |             |  |
| Project: AFGHAN TELECOM |        | Client: AFGHAN TELECOM |         |              |          |             |  |
| Rev.                    | Design | Drawn                  | Checked | Approved     | Date     | Description |  |
| 00                      | --     | S. Ghodiri             | --      | A. Solahpour | 10/13/24 | --          |  |

| Specification | Qty |
|---------------|-----|
| M12*40        | 168 |
| M16*55        | 48  |

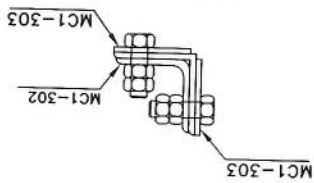
SEC. 10-10



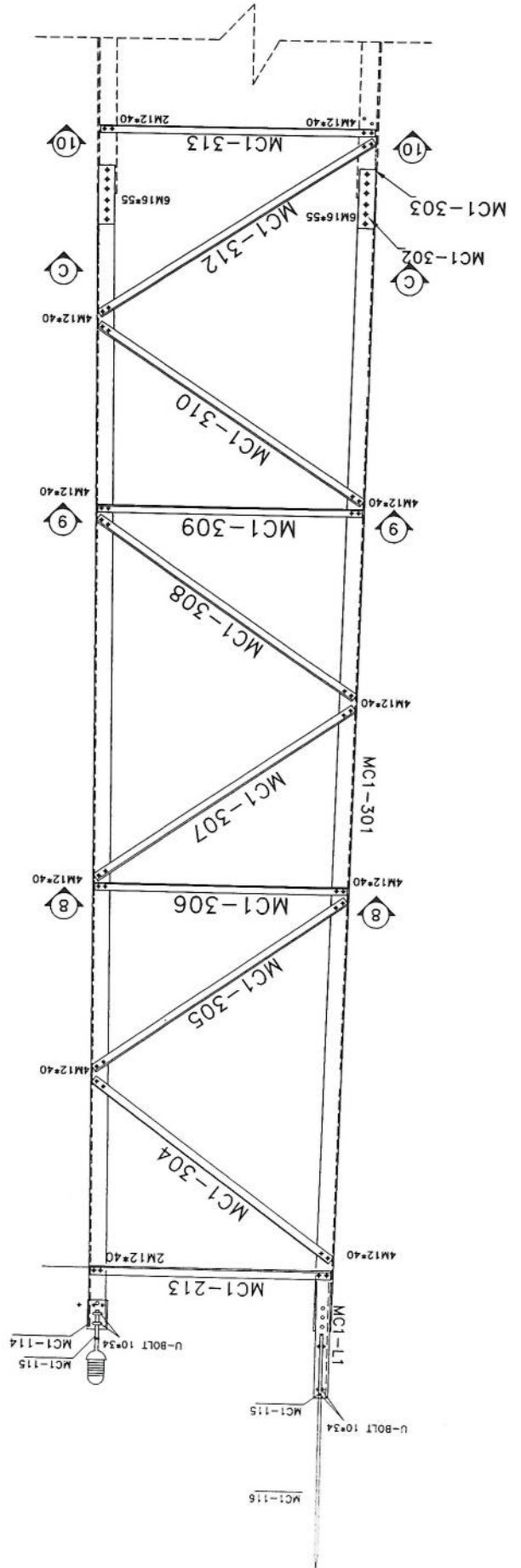
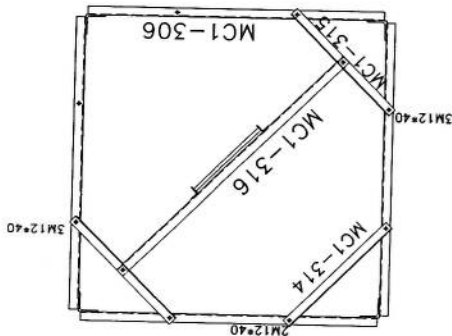
SEC. 9-9



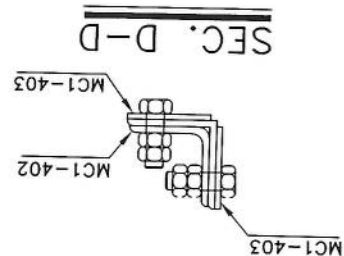
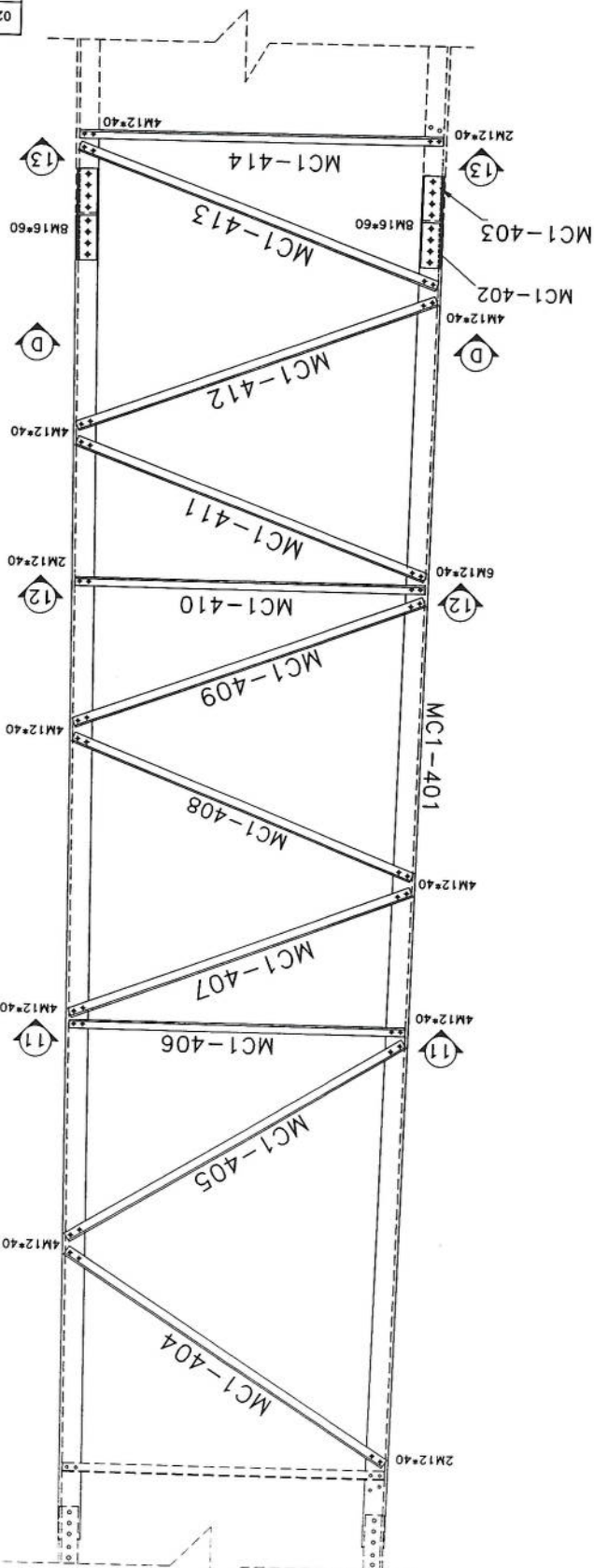
SEC. C-C



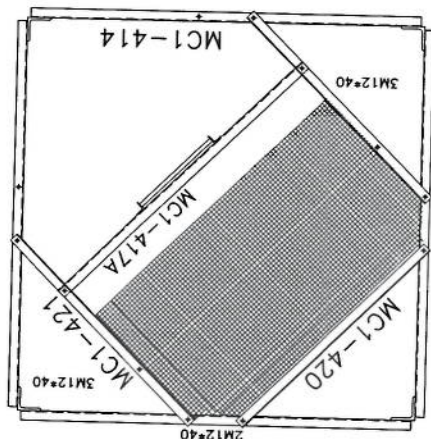
SEC. 8-8



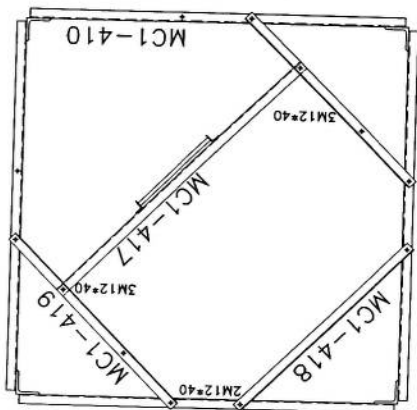
|                         |     |
|-------------------------|-----|
| List Of Bolts - PANEL 4 |     |
| Specification           | Qty |
| M12*40                  | 200 |
| M16*60                  | 64  |



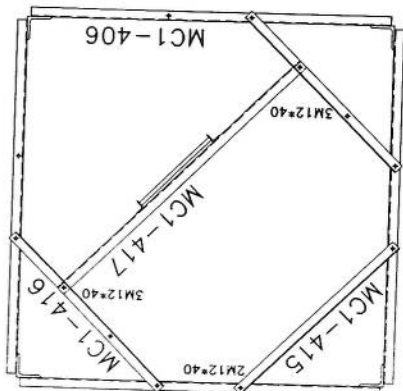
SEC. D-D



SEC. 13-13



SEC. 12-12

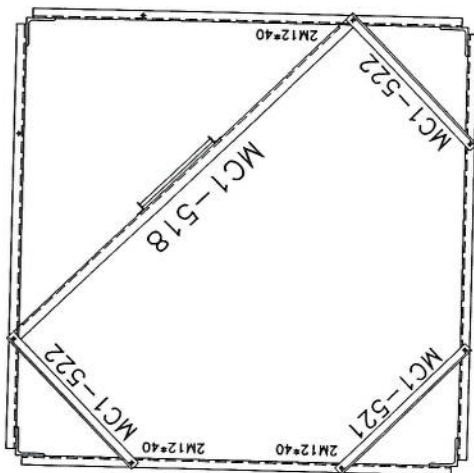


SEC. 11-11

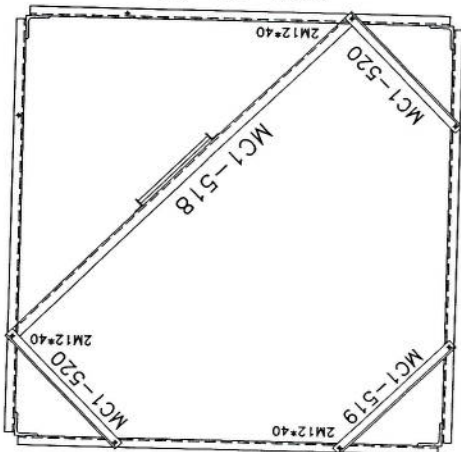
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|----------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|-------------|--|
| Project No.:         |        | Scale: 1/11                                                                                                                                       |         | Ref. No. 00  |          | Sheet No. 5 |  |
| Tower Type: TOWER NB |        | <div style="text-align: center;">  <p><b>TOWER NB</b></p> </div> |         |              |          |             |  |
| Title:               |        | NB TOWER 30M                                                                                                                                      |         |              |          |             |  |
| Project:             |        | AFGHAN TELECOM                                                                                                                                    |         |              |          |             |  |
| Client:              |        | AFGHAN TELECOM                                                                                                                                    |         |              |          |             |  |
| Rev.                 | Design | Drawn                                                                                                                                             | Checked | Approved     | Date     | Description |  |
| 00                   | --     | S. Ghodini                                                                                                                                        | --      | A. Solahpour | 10/13/24 | --          |  |
| 01                   | --     | --                                                                                                                                                | --      | --           | --       | --          |  |
| 02                   | --     | --                                                                                                                                                | --      | --           | --       | --          |  |

|                         |               |     |
|-------------------------|---------------|-----|
| List Of Bolts - PANEL 5 | Specification | Qty |
| M12*40                  |               | 194 |
| M16*60                  |               | 80  |

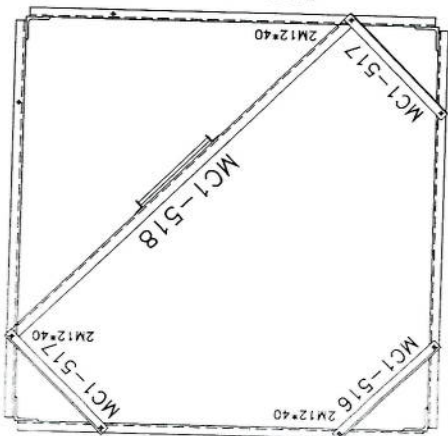
SEC. 16-16



SEC. 15-15

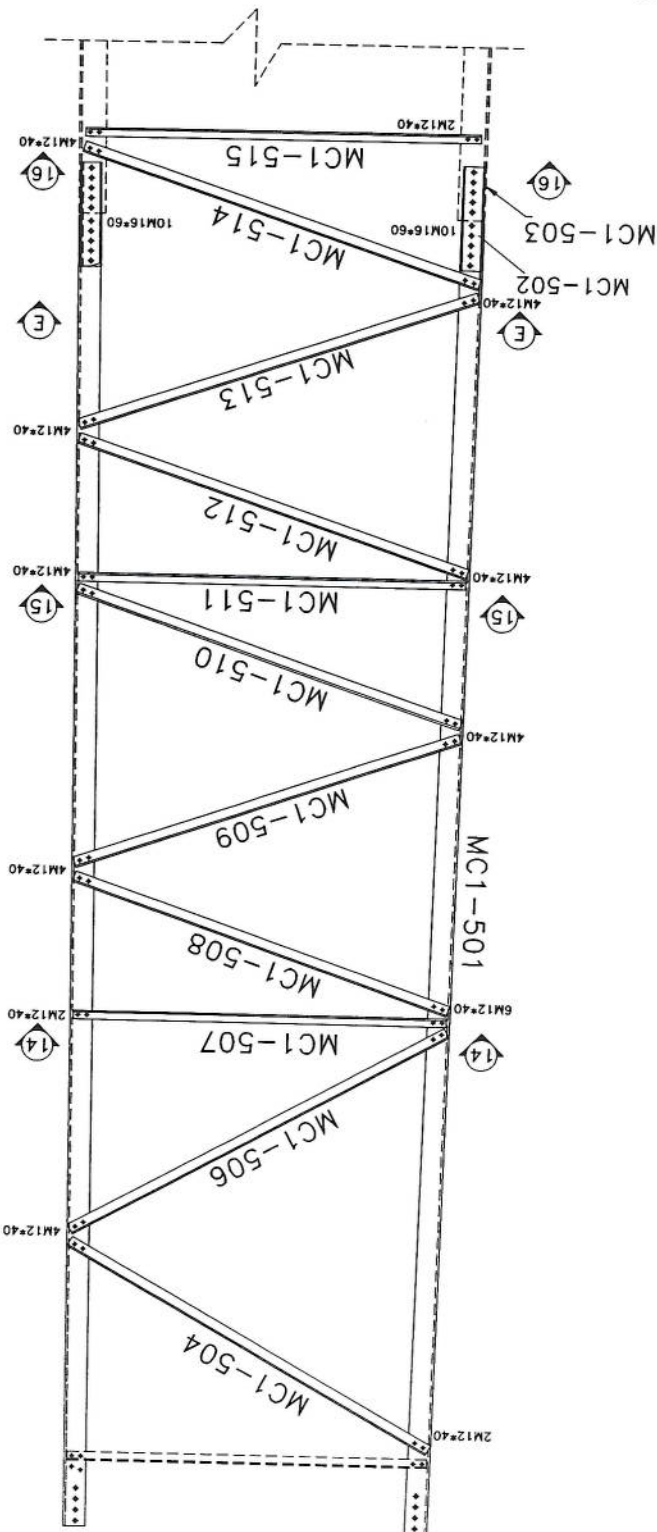
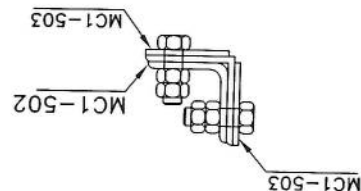


SEC. 14-14

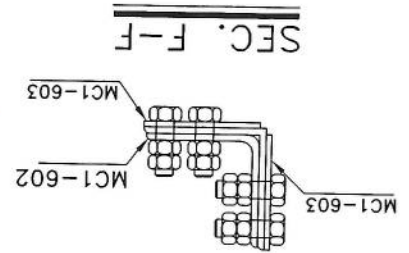


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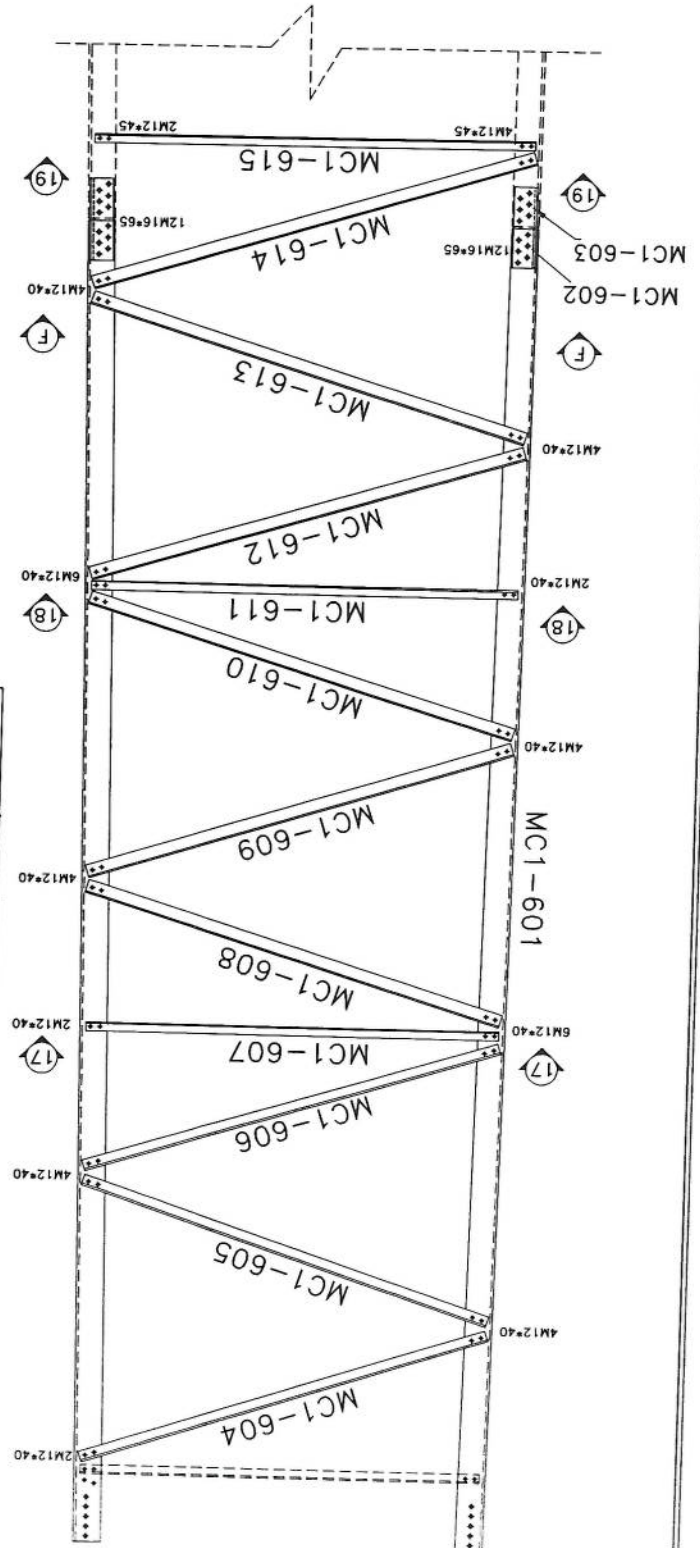
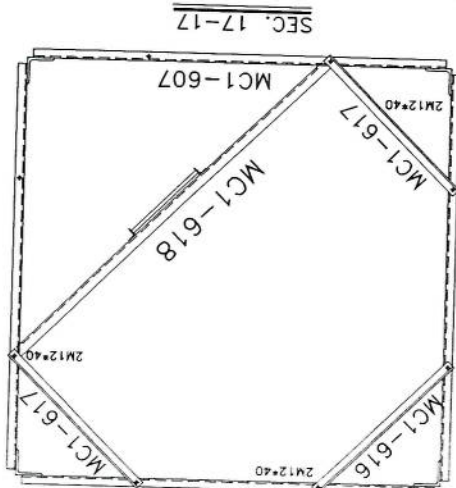
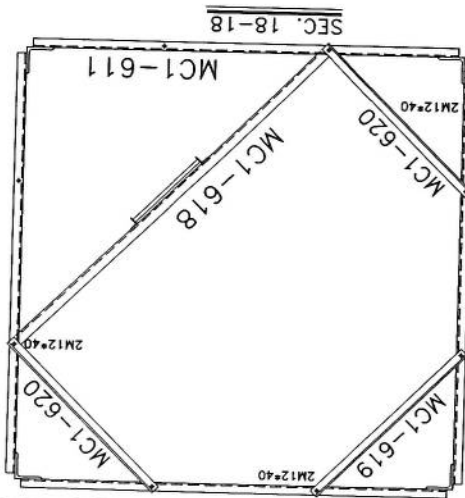
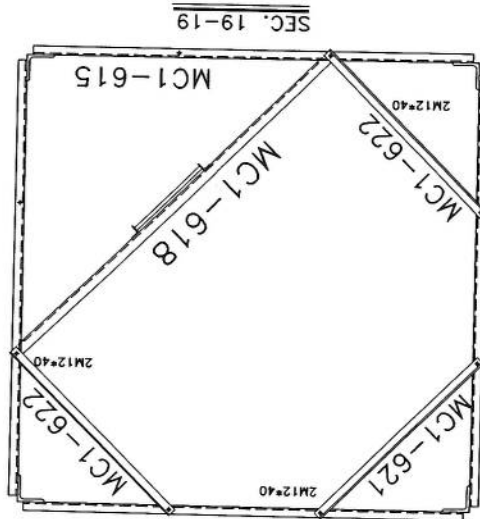
SEC. E-E



|                      |    |                         |            |             |             |             |    |
|----------------------|----|-------------------------|------------|-------------|-------------|-------------|----|
| Project No.:         |    | Scale: 1/11             |            | Ref. No. 00 |             | Sheet No. 6 |    |
| Tower Type: TOWER NB |    | Title: NB TOWER 30M     |            |             |             |             |    |
| Client:              |    | Project: AFGHAN TELECOM |            |             |             |             |    |
| Rev.                 |    | Design                  |            | Checked     |             | Approved    |    |
| 00                   | -- | --                      | S. Ghodiri | --          | A. Solahour | 10/13/24    | -- |
| 01                   | -- | --                      | --         | --          | --          | --          | -- |
| 02                   | -- | --                      | --         | --          | --          | --          | -- |

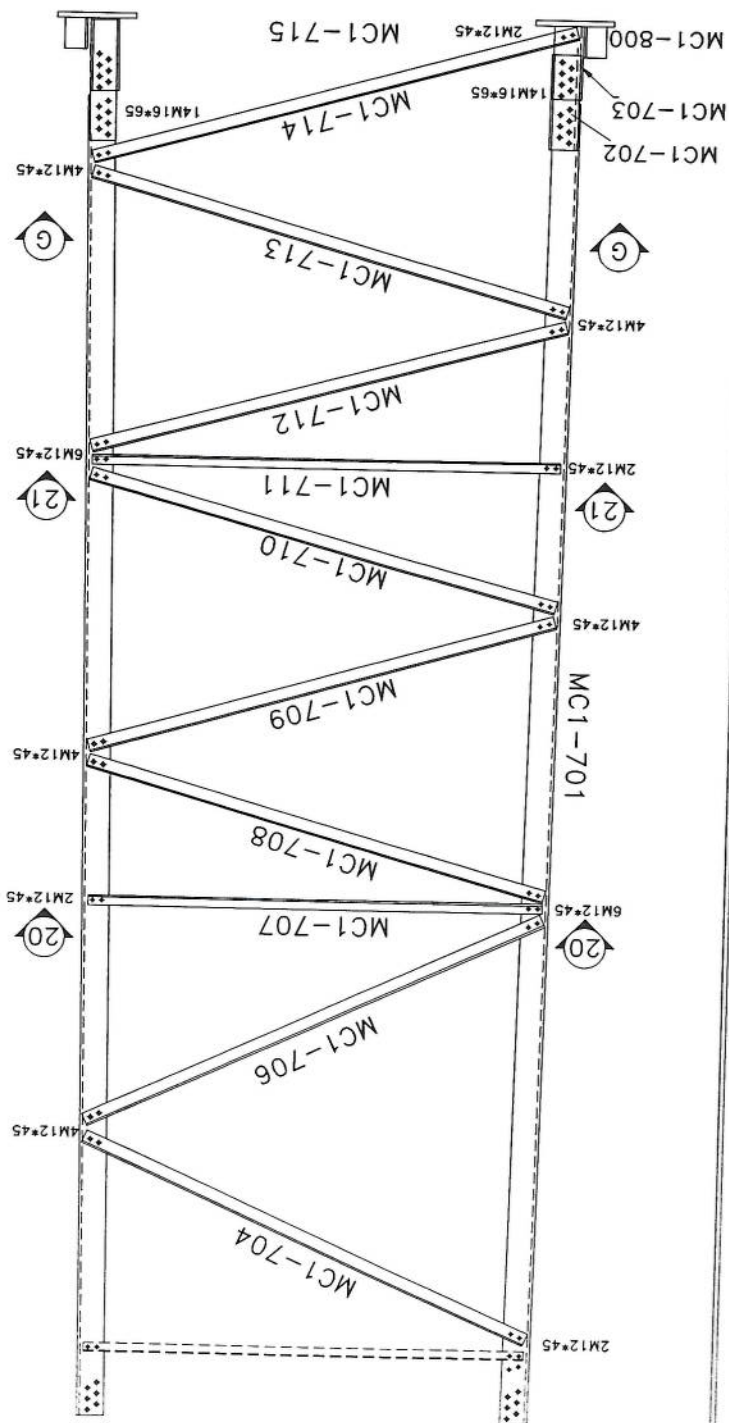
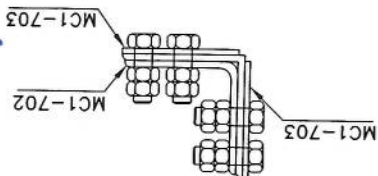


| List Of Bolts - PANEL 6 |     |
|-------------------------|-----|
| Specifcation            | Qty |
| M12*40                  | 186 |
| M12*45                  | 24  |
| M16*65                  | 96  |

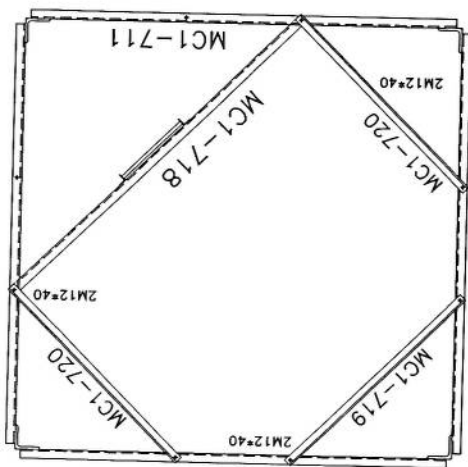




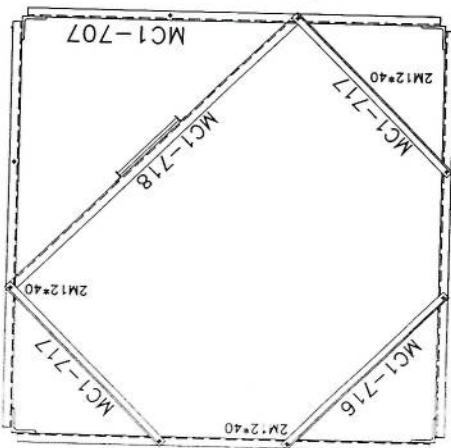
# SEC. G-G



## SEC. 21-21



## SEC. 20-20



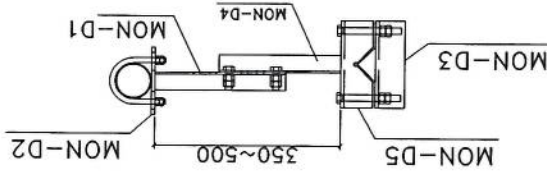
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|----------------------|--------|-------------------------|-------------|--------------|
| Project No.:         |        | Scale: 1/11             | Ref. No. 00 | Sheet No. 5  |
| Tower Type: TOWER NB |        | Title: NB TOWER 30M     |             |              |
| Client:              |        | Project: AFGHAN TELECOM |             |              |
| Rev.                 | Design | Drawn                   | Checked     | Approved     |
| 00                   | --     | S. Ghadiri              | --          | A. Soloshour |
| 01                   | --     | --                      | --          | 10/13/24     |
| 02                   | --     | --                      | --          | --           |
| Description          |        | Date                    |             |              |
| --                   |        | --                      |             |              |
| --                   |        | --                      |             |              |

|                         |               |     |
|-------------------------|---------------|-----|
| List Of Bolts - PANEL 7 | Specification | Qty |
| M16x65                  | 112           |     |
| M12x45                  | 176           |     |
| M12x40                  | 18            |     |

|                      |        |                |             |              |
|----------------------|--------|----------------|-------------|--------------|
| Project No.:         |        | Scale: 1/11    | Ref. No. 00 | Sheet No. 12 |
| Tower Type: TOWER NB |        | Title:         |             |              |
| TOWERIST             |        | NB TOWER 30M   |             |              |
| Project:             |        | AFGHAN TELECOM |             |              |
| Client:              |        | MOUNTING       |             |              |
| Rev.                 | Design | Drawn          | Checked     | Approved     |
| 02                   | --     | S.Ghodini      | --          | A.Solihour   |
| 01                   | --     | S.Ghodini      | --          | A.Solihour   |
| 00                   | --     | S.Ghodini      | --          | A.Solihour   |
| Description          |        | Date           |             |              |
| --                   |        | 01/05/11       |             |              |
| --                   |        | 01/02/11       |             |              |
| --                   |        | 10/13/11       |             |              |

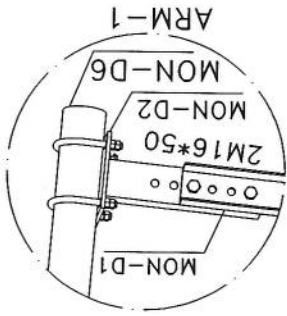


GENERAL VIEW

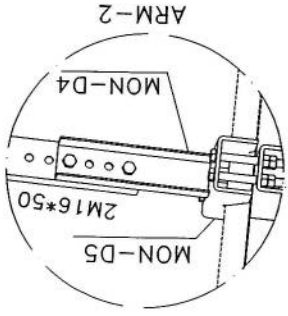
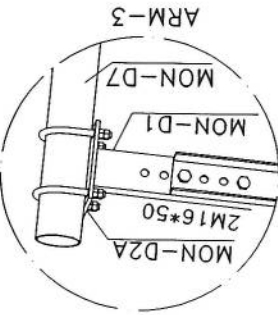
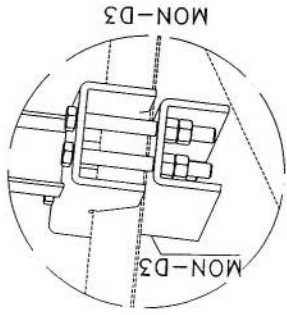
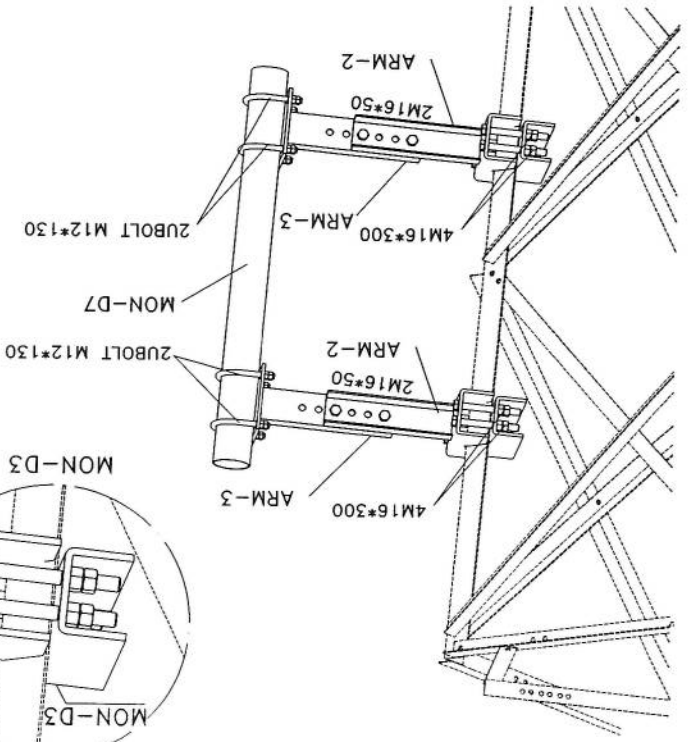
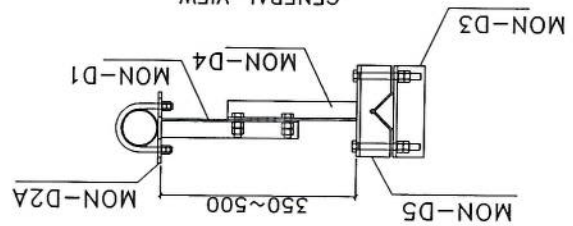


| ASSEMBLY | POSITION | SIZE        | QUANTITY |
|----------|----------|-------------|----------|
| ARM-1    | MON-D1   | UNP80       | 2        |
| ARM-2    | MON-D2   | PL8         | 2        |
|          | MON-D4   | UNP80       | 2        |
| ARM-2    | MON-D5   | PL8         | 2        |
|          | MON-D6   | PIPE115*1.5 | 1        |
| BOLT     | M16*300  | --          | 8        |
| UBOLT    | M12*130  | --          | 4        |

BILL OF MATERIAL GSM



GENERAL VIEW



| ASSEMBLY | POSITION | SIZE        | QUANTITY |
|----------|----------|-------------|----------|
| ARM-3    | MON-D1   | UNP80       | 2        |
| ARM-2    | MON-D2A  | PL8         | 2        |
|          | MON-D4   | UNP80       | 2        |
| ARM-2    | MON-D5   | PL8         | 2        |
|          | MON-D7   | PIPE115*1.5 | 1        |
| BOLT     | M16*300  | --          | 8        |
| UBOLT    | M12*130  | --          | 4        |

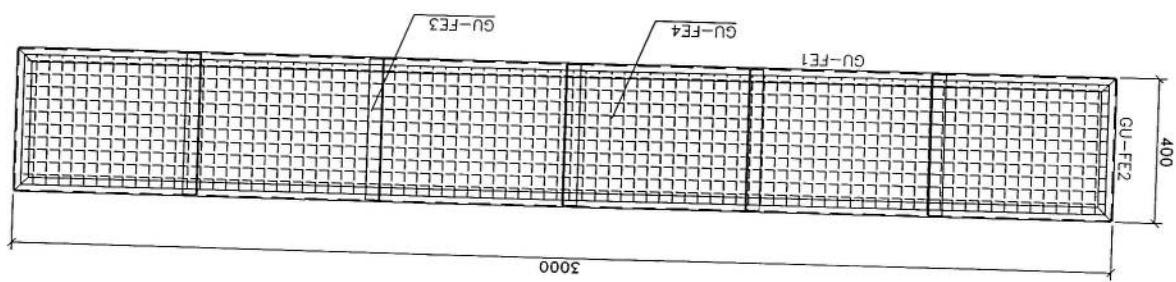
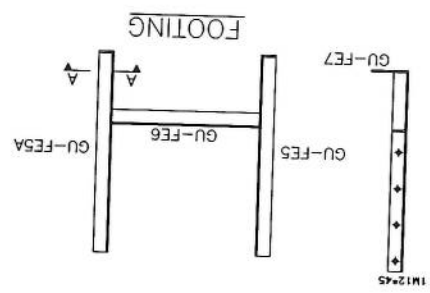
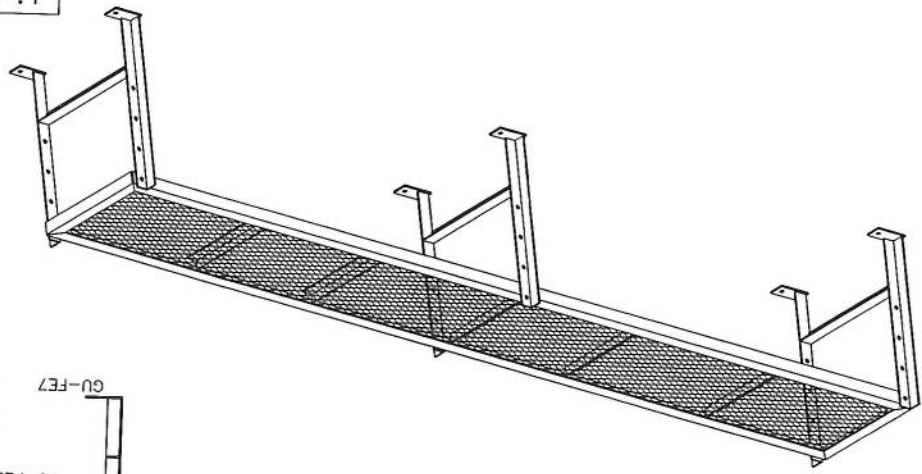
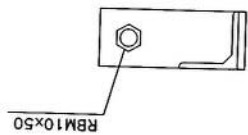
BILL OF MATERIAL MW

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|                                                                                   |        |                                 |              |
|-----------------------------------------------------------------------------------|--------|---------------------------------|--------------|
| Project No.: 1/11                                                                 |        | Ref. No. 00                     | Sheet No. 12 |
| Tower Type: TOWER NB                                                              |        | Title: NB TOWER 30M PLATFORM 3M |              |
|  |        | Project: AFGHAN TELECOM         |              |
| Client:                                                                           |        | Checked                         |              |
| Rev.                                                                              | Design | Drawn                           | Description  |
| 02                                                                                | --     | S.Ghadiri                       | --           |
| 01                                                                                | --     | S.Ghadiri                       | --           |
| 00                                                                                | --     | S.Ghadiri                       | --           |
| Approved                                                                          |        | Date                            | Description  |
| A.Salahshour                                                                      |        | 10/13/24                        | --           |
| A.Salahshour                                                                      |        | 01/02/24                        | --           |
| A.Salahshour                                                                      |        | 01/03/11                        | --           |

|                        |     |
|------------------------|-----|
| List of Bolts - LADDER |     |
| Specification          | Qty |
| M12*45                 | 6   |
| RBM10x50               | 6   |

SECTION A-A

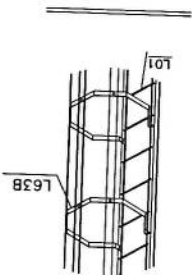
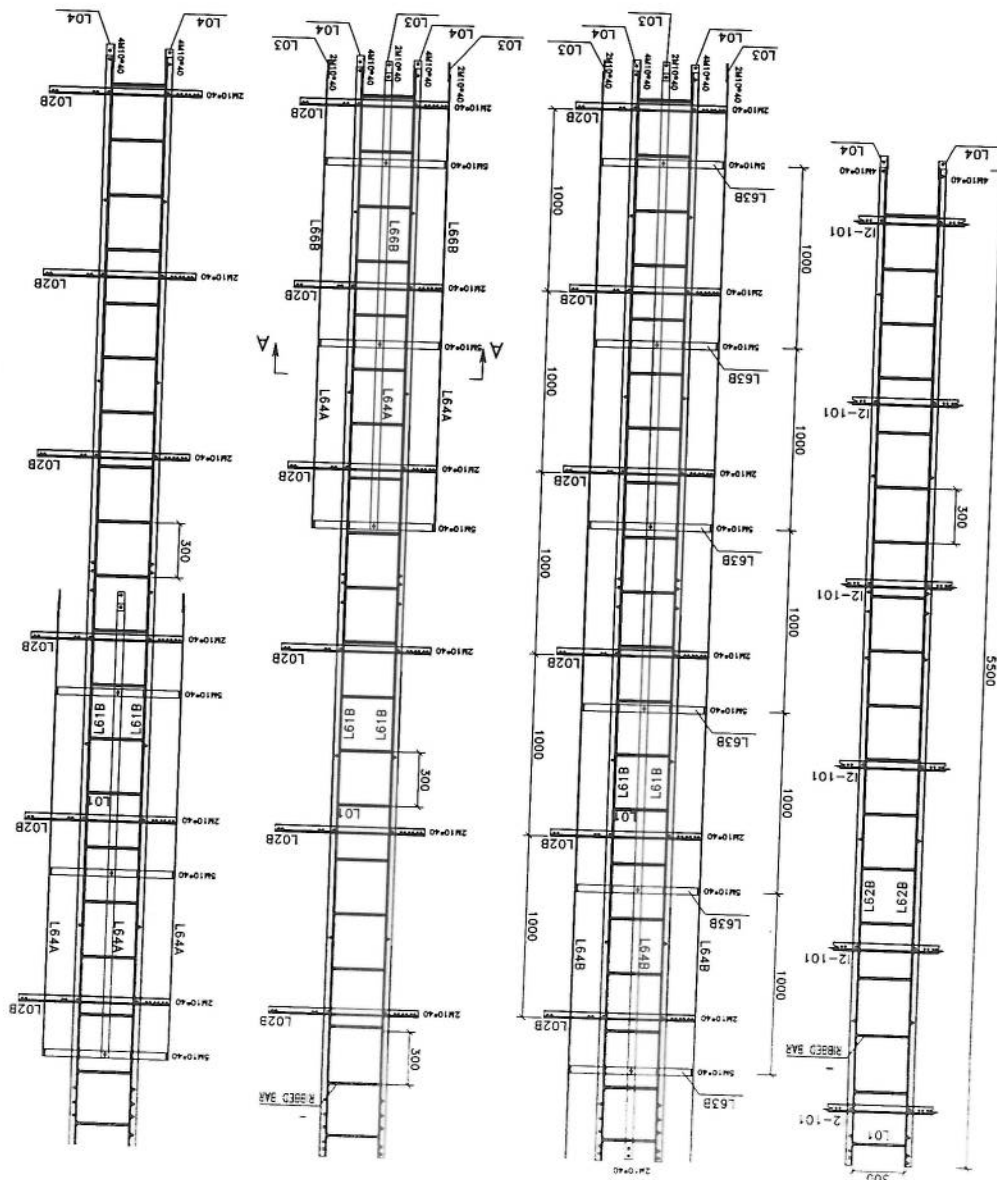
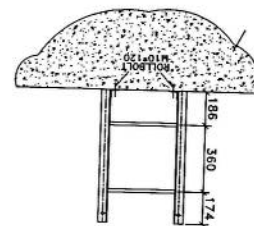
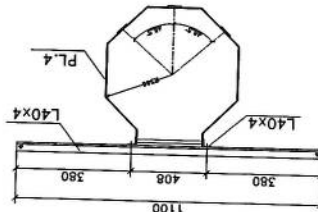


|                      |        |                |             |                        |
|----------------------|--------|----------------|-------------|------------------------|
| Project No.:         |        | Scale: 1/11    | Ref. No. 00 | Sheet No. 10           |
| Tower Type: TOWER NB |        |                |             |                        |
| Title:               |        | NB TOWER 30M   |             |                        |
| Project:             |        | AFGHAN TELECOM |             |                        |
| Client:              |        |                |             |                        |
| Rev.                 | Design | Drawn          | Checked     | Approved               |
| 00                   | --     | S. Ghodini     | --          | A. Solohshour 10/13/24 |
| 01                   | --     | --             | --          | --                     |
| 02                   | --     | --             | --          | --                     |
| Description          |        |                |             |                        |



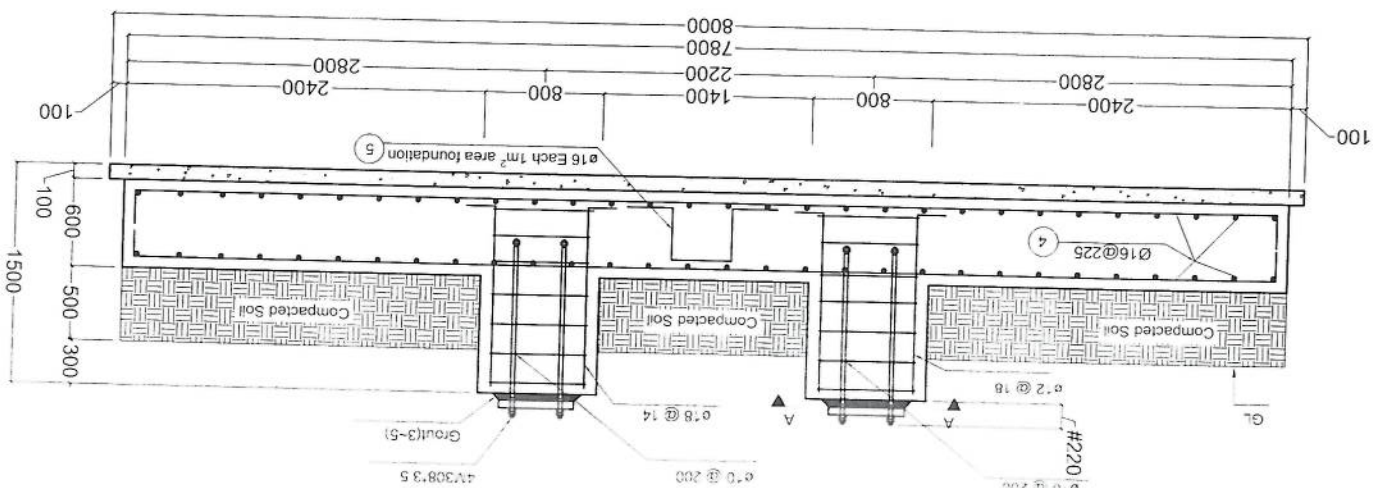
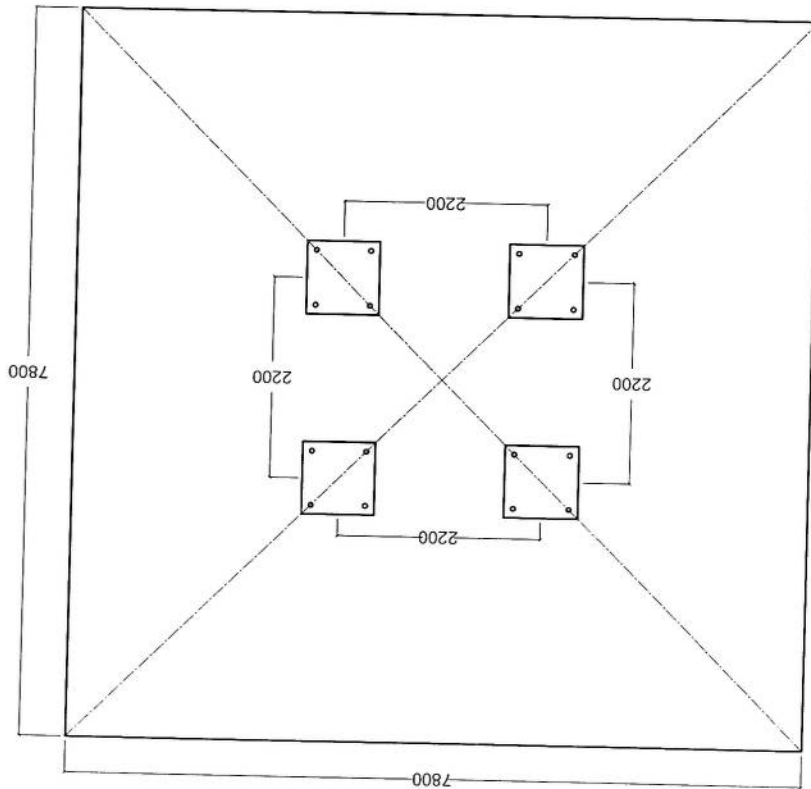
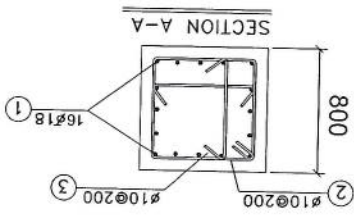
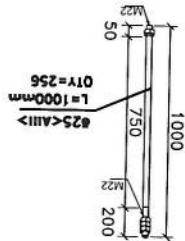
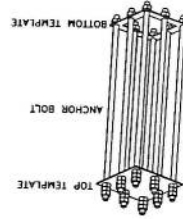
|                        |     |
|------------------------|-----|
| List Of Bolts - LADDER |     |
| Specification          | Qty |
| M10*40                 | 134 |
| J10*90                 | 60  |
| GR5.6                  |     |
| GR8.8                  |     |

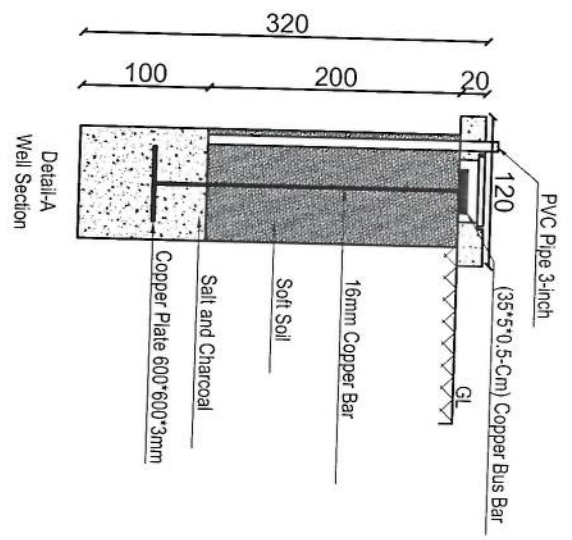
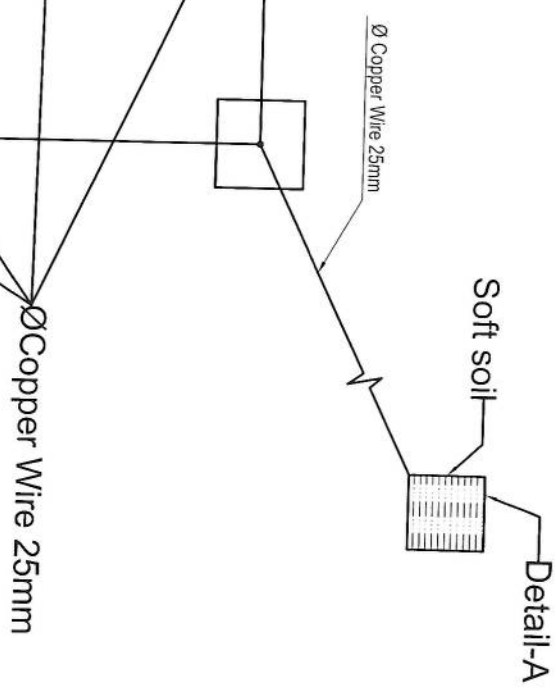
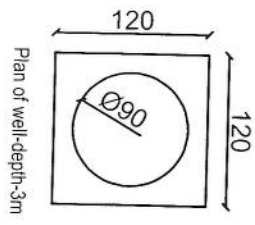
Safety Hoop And Rack Feeder



| Bill of Material                       |       |         |           |          |                        |
|----------------------------------------|-------|---------|-----------|----------|------------------------|
| Pos                                    | Shape | Dia(mm) | Length(m) | Quantity | Total Length(m)        |
| 1                                      | 1250  | 18      | 1.50      | 64       | 96                     |
| 2                                      | 60    | 10      | 2.8       | 28       | 79.00                  |
| 3                                      | 100   | 10      | 0.85      | 56       | 48.00                  |
| 4                                      | 250   | 16      | 8.15      | 140      | 1203                   |
| 5                                      | 450   | 16      | 2.20      | 59       | 130                    |
| Concrete Volume : 38.55 m <sup>3</sup> |       |         |           |          | Total Weight = 2216 kg |
|                                        |       |         |           |          | Total Weight = 2216 kg |

- Notes:
1. All Dimensions are in mm.
  2. F<sub>c</sub> of concrete = 250 kg/cm<sup>2</sup>.
  3. F<sub>y</sub> of longitudinal Bars = 4000 kg/cm<sup>2</sup>.
  4. Cover = 7.5 cm.
  5. Soil Allowable Stress = 1.5-2 kg/Cm<sup>2</sup>.
  6. Concrete to be poured max in low stages.
  7. Concrete to confirm the specification.





4#16mm Copper Rod under the Ground Length 100cm

| Item List                   |          |               |
|-----------------------------|----------|---------------|
| Item                        | Quantity | Dimension     |
| Copper Rod                  | 4 Pcs    | 1m*Ø16mm      |
| Copper Rod                  | 1 Pcs    | 2m*Ø16mm      |
| Busbar                      | 5 Pcs    | 35cm*5cm*5mm  |
| Copper Plate                | 1 Pcs    | 60cm*60cm*3mm |
| Lightning Arrestor          | 1 Pcs    | 1m            |
| Ground Cable                | 45m      | 25mm          |
| Uncovered Ground Cable      | 12m      | 25mm          |
| Tower Light with photo cell | 1 Pcs    | 48V DC        |
| Power Cable                 | 50m      | 2*2mm         |

23 Grounding system- well plan & section

23 REF. A101 SCALE: 1:75

| REVISION RECORDS |            |              |
|------------------|------------|--------------|
| REVISION NO      | DATE       | DESCRIPTION  |
| 1                | 14/05/2025 | 1st Revision |

| LEGEND: |          |
|---------|----------|
| PC      | Concrete |

| PROJECT TITLE / NO: |                            |
|---------------------|----------------------------|
| GSM SITES           | 30m Tower Grounding System |

| DRAWING TITLE:             |                            |
|----------------------------|----------------------------|
| 30m Tower Grounding System | 30m Tower Grounding System |

| DRAWN BY:  |            |
|------------|------------|
| CIVIL TEAM | CIVIL TEAM |

| CHECKED BY: |            |
|-------------|------------|
| CIVIL TEAM  | CIVIL TEAM |

| APPROVED BY: |            |
|--------------|------------|
| CIVIL TEAM   | CIVIL TEAM |

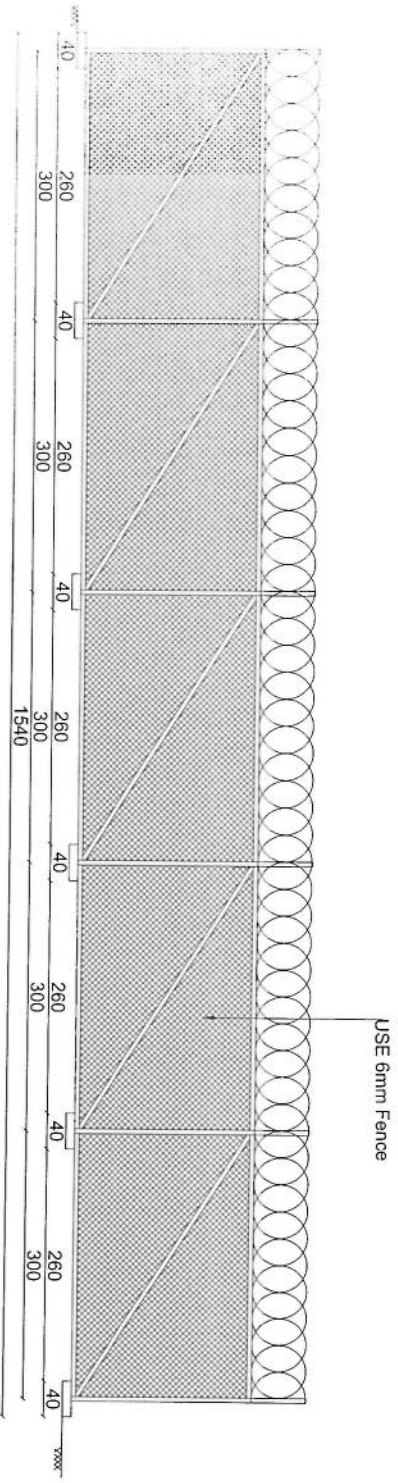
| SCALE: |      |
|--------|------|
| 1:75   | 1:75 |

| ACTUAL DATE: |            |
|--------------|------------|
| 14/05/2025   | 14/05/2025 |

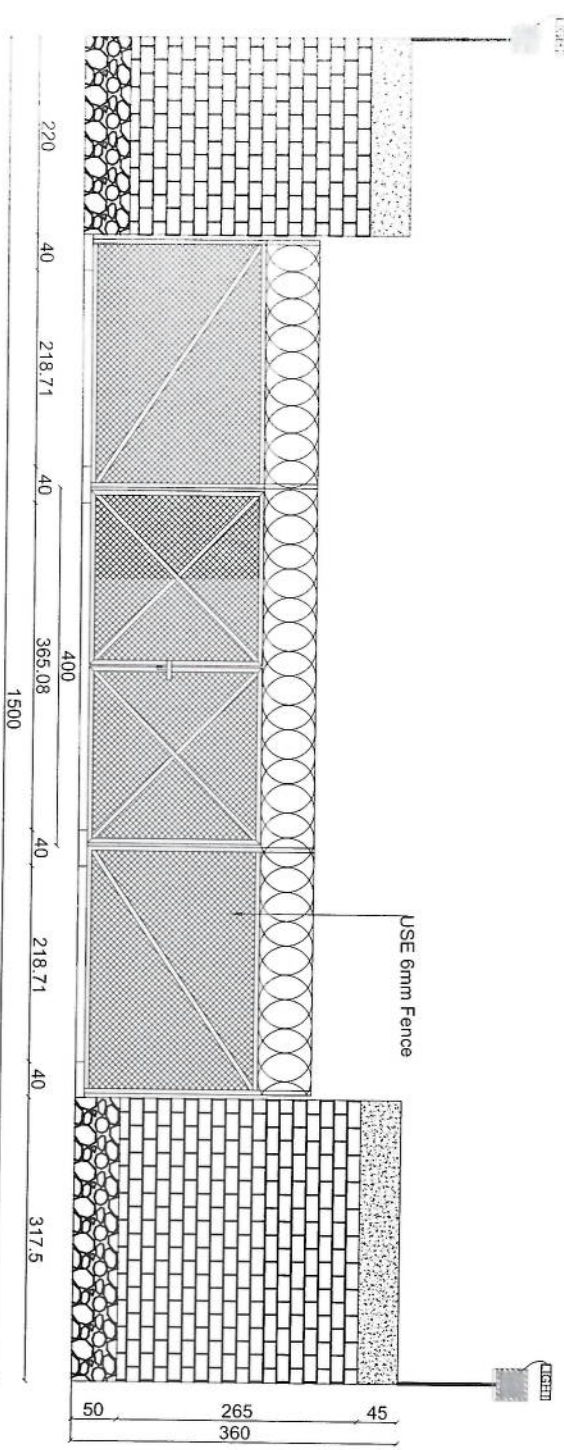
| OWNER:         |                |
|----------------|----------------|
| AFGHAN TELECOM | AFGHAN TELECOM |

| OWNER:         |                |
|----------------|----------------|
| AFGHAN TELECOM | AFGHAN TELECOM |

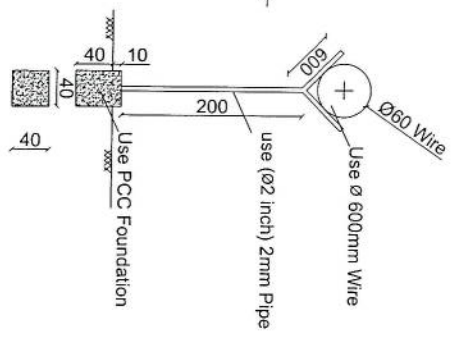




EAST ELEVATION



WEST ELEVATION



| REVISION RECORDS |            |             |
|------------------|------------|-------------|
| REVISION NO      | DATE       | DESCRIPTION |
| 01               | 2023/02/23 | ISSUE DATE  |

| LEGEND:       |            |
|---------------|------------|
| BRICK MASONRY | کاشی کاری  |
| STONE MASONRY | سنگ کاری   |
| PCC (PLASTER) | پساجه      |
| BAR WIRE      | سیم خاردار |
| LIGHT         | روشنایی    |

PROJECT TITLE / NO:  
GSM SITES

DRAWING TITLE:  
FENCE WALL ELEVATIONS & DETAILS

DRAWN BY:  
CIVIL TEAM

CHECKED BY:

APPROVED BY:

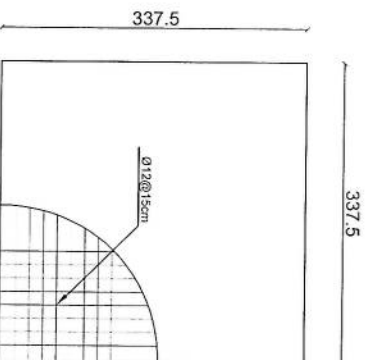
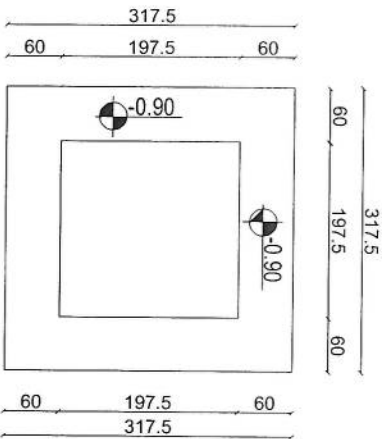
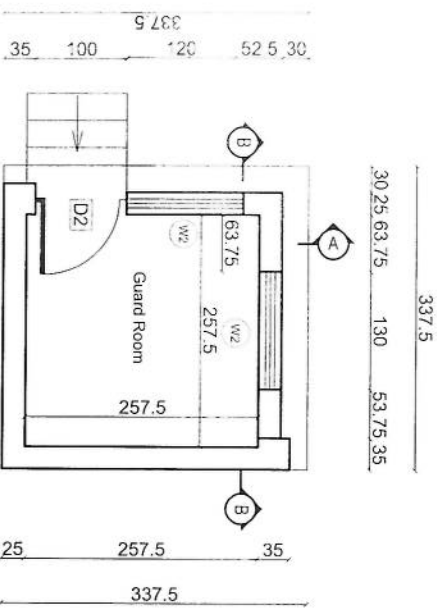
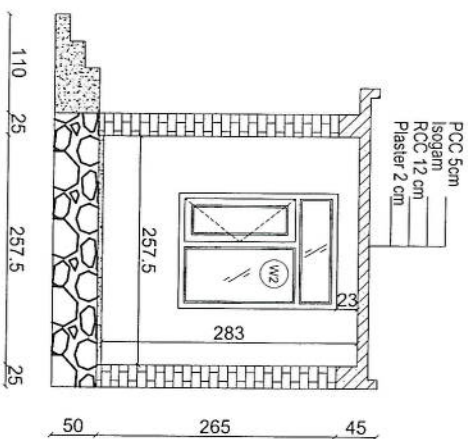
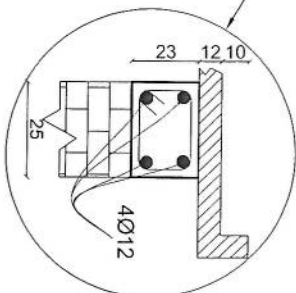
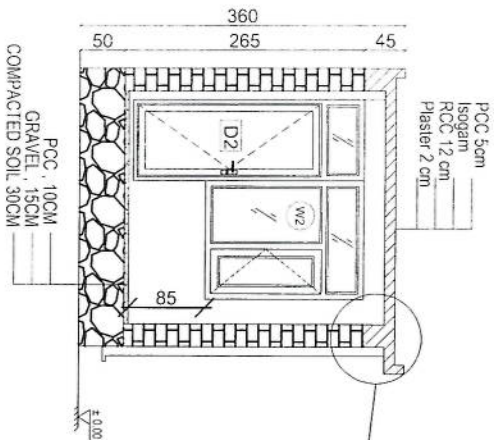
SCALE: 1:100

ACTUAL DATE: 23/02/2023

ISSUE DATE: DRG.NO: 02

OWNER: AFGHAN TELECOM

Salami Telecommunication Company  
KABUL  
AFGHANISTAN



03 GUARD ROOM  
09 REF. A103

SCALE: 1:75

| REVISION RECORDS |                         |
|------------------|-------------------------|
| NO               | DESCRIPTION             |
| 1                | Issued for construction |

LEGEND:

|                 |                 |
|-----------------|-----------------|
| Brick           | Brick           |
| Stone masonry   | Stone masonry   |
| PCC (Plaster)   | PCC (Plaster)   |
| Earth           | Earth           |
| RCC             | RCC             |
| Excavated depth | Excavated depth |
| Window type 1   | Window type 1   |
| Window type 2   | Window type 2   |
| Door type 1     | Door type 1     |
| Door type 2     | Door type 2     |

PROJECT TITLE / NO:

GSN SITES  
طهران بولند  
سایت های مخابرات

DRAWING TITLE:

GUARD ROOM  
اتاق نگهبان

DRAWN BY:  
CIVIL TEAM

CHECKED BY:

APPROVED BY:

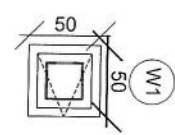
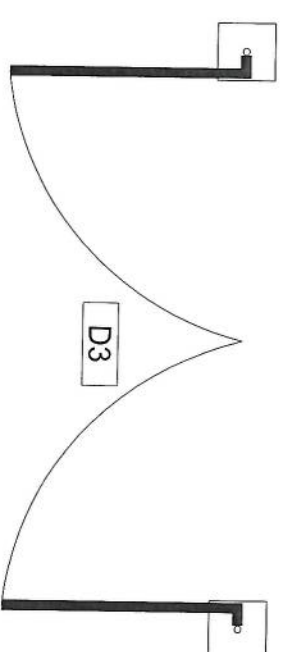
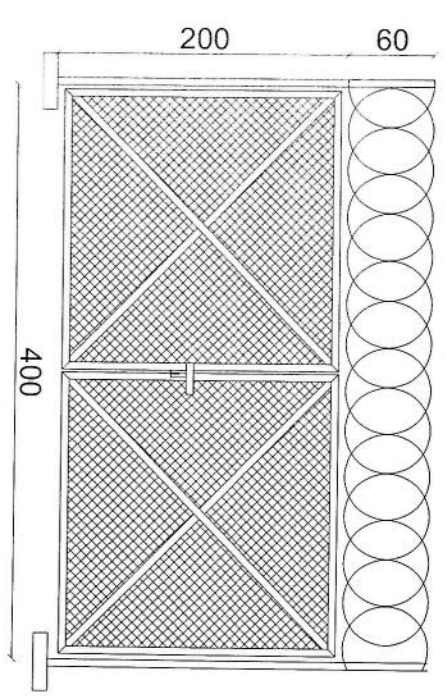
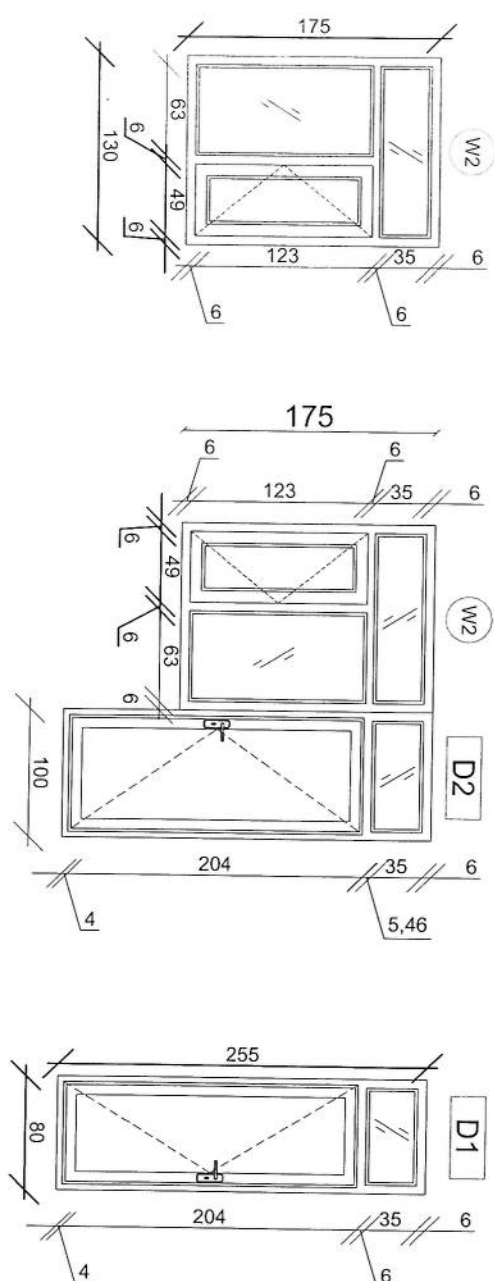
SCALE: 1:75

ACTUAL DATE: 23/02/2025  
ISSUE DATE: DRG NO: 03

OWNER: طالب ویران  
AFGHAN TELECOM

Salem Telecommunication Company  
افغانستان





D3

05 DOORS & WINDOWS DETAILS  
09 REF. A105

SCALE: 1:50

| REVISION RECORDS |             |
|------------------|-------------|
| REVISION NO      | DESCRIPTION |
|                  |             |
|                  |             |

LEGEND:

BRICK FIBRO

- W1 WINDOWS TYPE 1
- W2 WINDOWS TYPE 2
- D1 DOOR TYPE 1
- D2 DOOR TYPE 2
- D3 DOOR TYPE 3

PROJECT TITLE / NO:

GSM SITES

DRAWING TITLE:

DOORS & WINDOWS DETAILS

DRAWN BY:

CHECKED BY:

APPROVED BY:

SCALE: 1:50

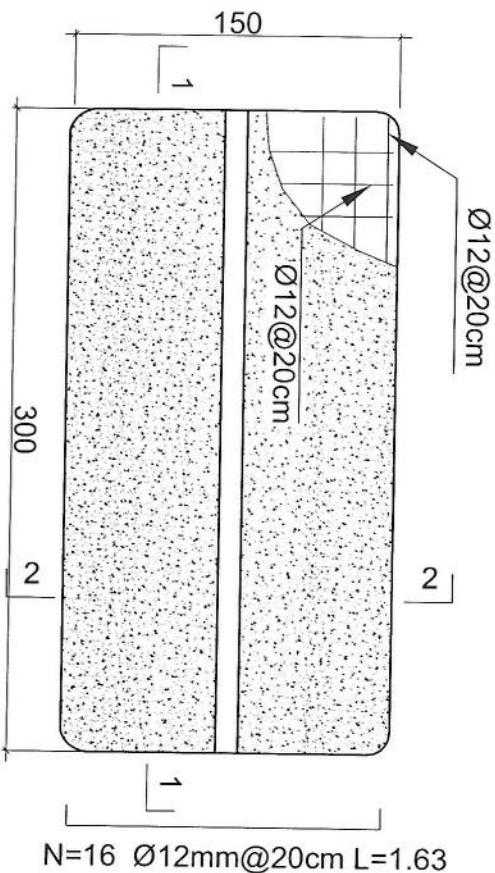
ACTUAL DATE: 22/02/2025

ISSUE DATE: DRG NO: 05

OWNER: AFGHAN TELECOM

Salam Telecom Company KABUL AFGHANISTAN

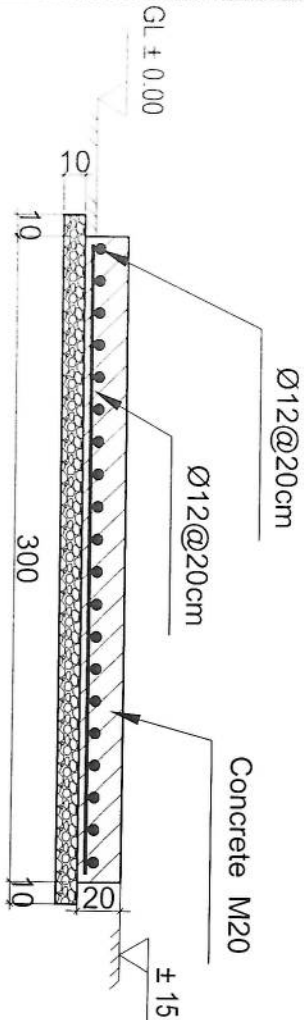
- Notes:
1. The foundation is adopts reinforced concrete, the concrete is M20; (M20:compressive strength is 20N/mm2); the foundation lays on a 10cm thick crush stone pad;
  2. Ø12: mild steel, rebars strength 210N/mm2
  3. minimum concrete cover for rebar is 3.5cm,
  4. All units are in cm
  5. All edges of the Slab should be curve



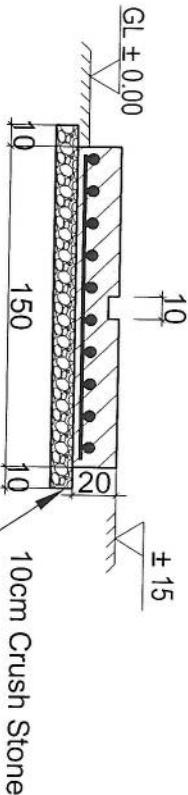
N=9 Ø12mm@20cm L=3.13

N=16 Ø12mm@20cm L=1.63

## Outdoor BTS Foundation



## 1-1 section



## 2-2 section

06 ZTE OUTDOOR BTS FOUNDATION  
09 REF: A106  
SCALE: 1:25

| REVISION RECORDS |             |
|------------------|-------------|
| REVISION NO      | DESCRIPTION |
| 01               | Initial     |

| LEGEND:       |  |
|---------------|--|
| CRUSHED ROCK  |  |
| RCC (PLASTER) |  |
| RCC           |  |
| GROUND LEVEL  |  |

PROJECT TITLE / NO:

GSM SITES  
طوبى وىلى:

DRAWING TITLE:

ZTE OUTDOOR BTS FOUNDATION  
بىس

DRAWN BY:  
CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE: 1:25

ACTUAL DATE: 23/02/2025  
ISSUE DATE: DRG NO: 06

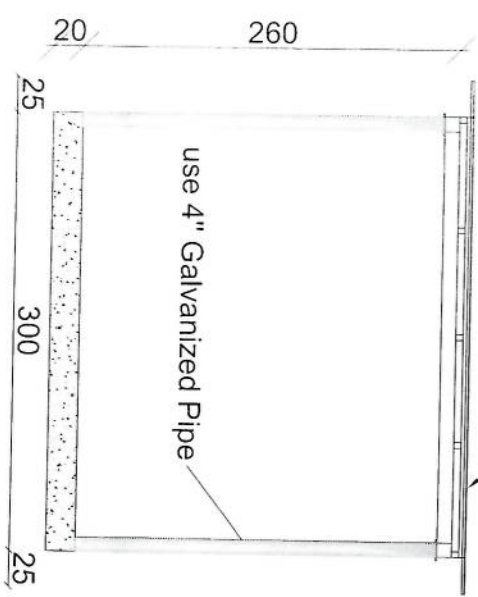
OWNER: افغان تېلېكوم  
AFGHAN TELECOM

سلام | Salami Telecommunication Company  
KABUL  
AFGHANISTAN

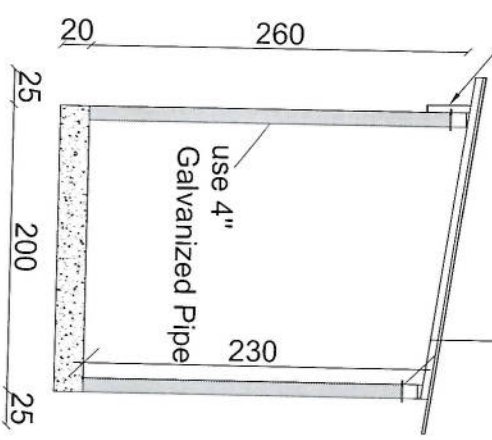
Use 24 Gage GI Sheet

24 Gage GI Sheet

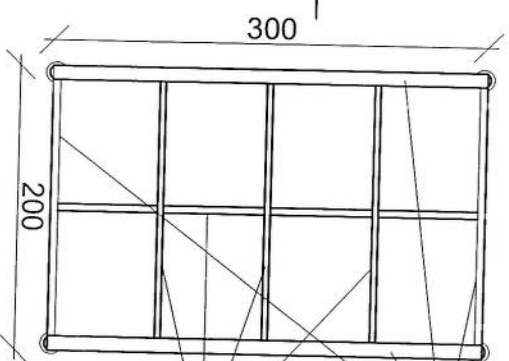
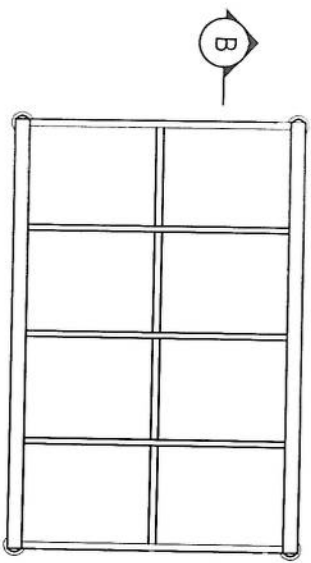
24 Gage GI sheet



Section BB



Section AA



use (100 x 100) 2mm thick channel

use (50 x 100) 2mm thick channel

| REVISION RECORDS |      |             |  |
|------------------|------|-------------|--|
| REVISION NO      | DATE | DESCRIPTION |  |
| 1                |      |             |  |
| 2                |      |             |  |

LEGEND:

GRAVELLED ROCK

PCC

PROJECT TITLE / NO:

GSM SITES

محل های GSM

DRAWING TITLE:

SUN SHELTER FOR ZTE BTS

DRAWN BY:

CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE: 1:50

ACTUAL DATE: 23/02/2025

ISSUE DATE: DRG. NO. 07

OWNER:

AFGHAN TELECOM

Salam Telecommunication Company

KABUL

AFGHANISTAN

| REVISION RECORDS |            |
|------------------|------------|
| REVISION NO      | DATE       |
| 1                | 23/02/2025 |
| 2                |            |
| 3                |            |
| 4                |            |
| 5                |            |

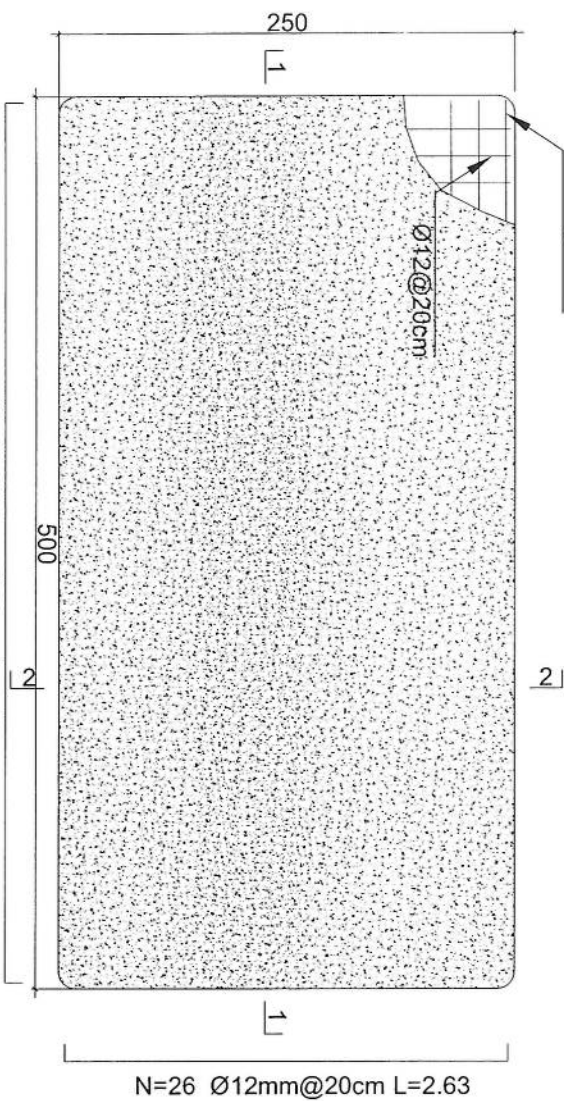
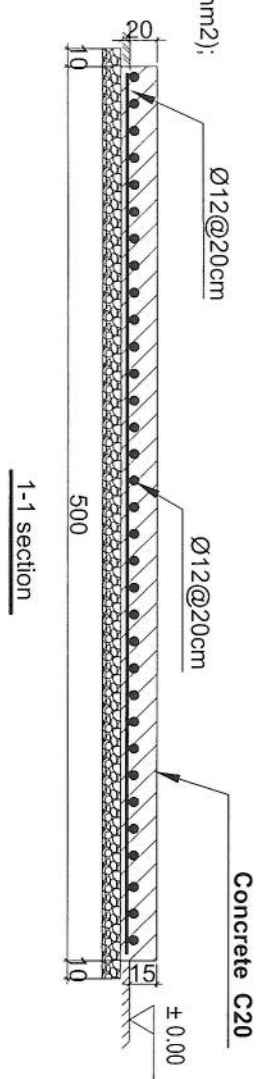
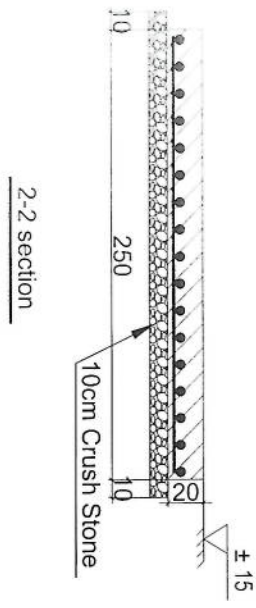
| LEGEND:             |  |
|---------------------|--|
| CRUSHED ROCK        |  |
| REINFORCED CONCRETE |  |
| GROUND LEVEL        |  |

|                     |            |
|---------------------|------------|
| PROJECT TITLE / NO: | GSM SITES  |
| DRAWN BY:           | CIVIL TEAM |
| CHECKED BY:         |            |
| APPROVED BY:        |            |

|                |                      |
|----------------|----------------------|
| SCALE:         | 1:25                 |
| ACTUAL DATE:   | 23/02/2025           |
| ISSUE DATE:    |                      |
| OWNER:         | AFGHAN TELECOM       |
| PROJECT TITLE: | GENERATOR FOUNDATION |
| DRAWN BY:      | CIVIL TEAM           |
| CHECKED BY:    |                      |
| APPROVED BY:   |                      |

|                |                      |
|----------------|----------------------|
| OWNER:         | AFGHAN TELECOM       |
| PROJECT TITLE: | GENERATOR FOUNDATION |
| DRAWN BY:      | CIVIL TEAM           |
| CHECKED BY:    |                      |
| APPROVED BY:   |                      |

- Notes:
- 1 The foundation is adopts reinforced concrete, the concrete is C20; (C20:compressive strength is 20N/mm2); the foundation lays on a 10cm thick crush stone pad;
  2. Ø12: mild steel, rebars strength 210N/mm2
  3. minimum concrete cover for rebar is 3.5cm,
  4. All units are in cm
  - 5 All edges of the Slab should be curve



N=14 Ø12mm@20cm L=5.13

Generator Foundation

06

05

REF: A108

SCALE: 1:25

| REVISION RECORDS |            |             |  |
|------------------|------------|-------------|--|
| REVISION NO      | DATE       | DESCRIPTION |  |
| 1                | 2025/02/23 | ISSUE       |  |

| LEGEND:     |  |
|-------------|--|
| CAUSED ROCK |  |
| POC         |  |

|                     |           |
|---------------------|-----------|
| PROJECT TITLE / NO: | GSM SITES |
| سایت های GSM        |           |

|                        |                           |
|------------------------|---------------------------|
| DRAWING TITLE:         | SUN SHELTER FOR GENERATOR |
| سایه خورشیدی برای مولد |                           |

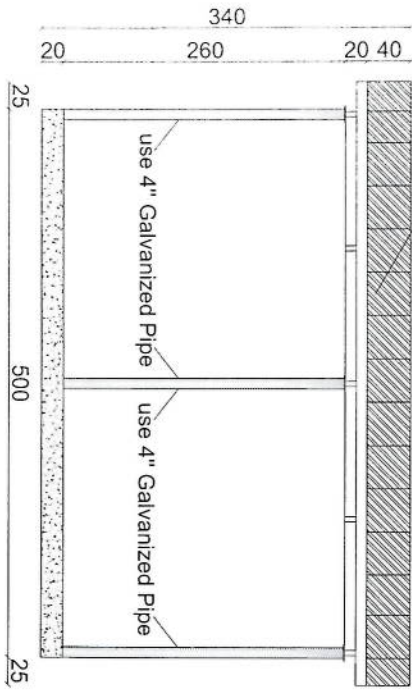
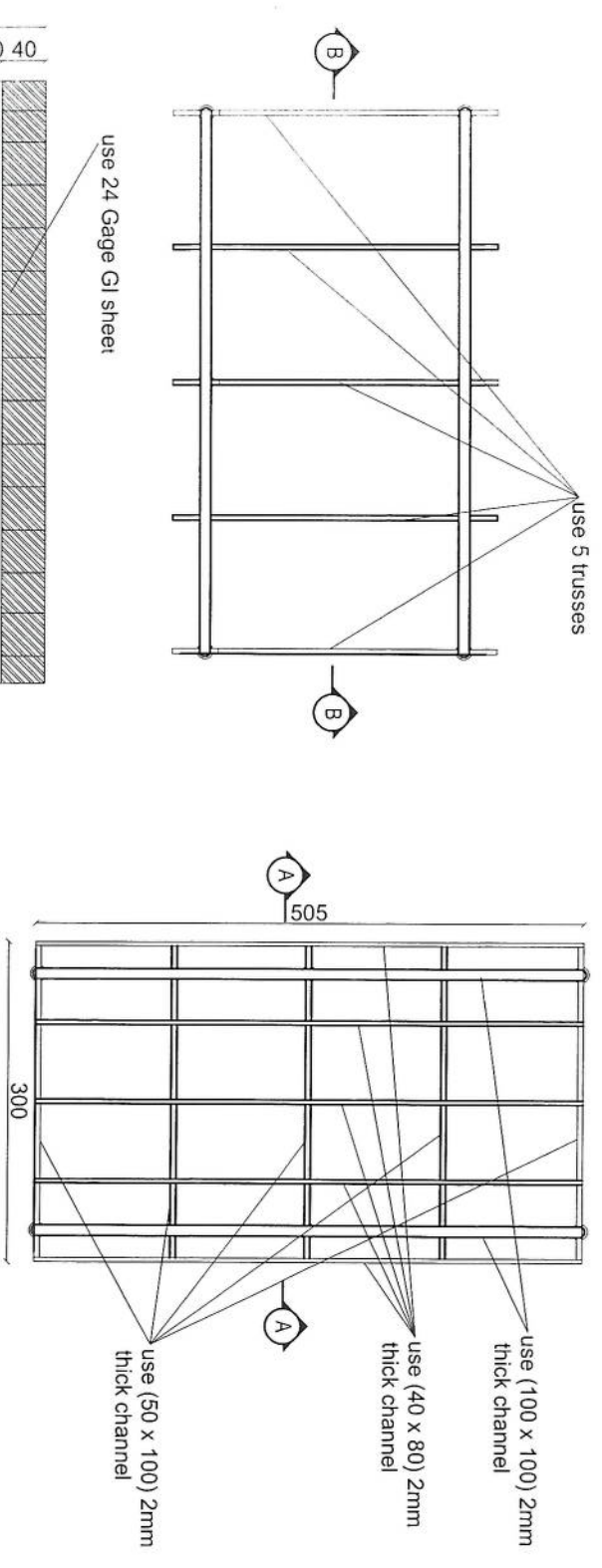
|             |            |
|-------------|------------|
| DRAWN BY:   | CIVIL TEAM |
| CHECKED BY: |            |

|              |      |
|--------------|------|
| APPROVED BY: |      |
| SCALE:       | 1:75 |

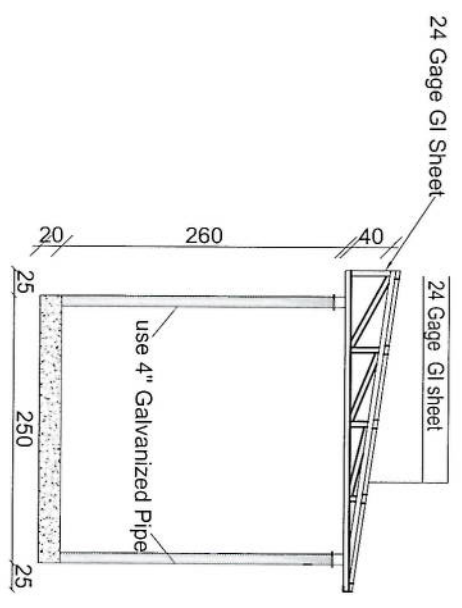
|              |            |
|--------------|------------|
| ACTUAL DATE: | 23/02/2025 |
| ISSUE DATE:  | DRG NO. 09 |

|        |                |
|--------|----------------|
| OWNER: | AFGHAN TELECOM |
| مالك:  | افغان تيليكوم  |

|                       |       |             |
|-----------------------|-------|-------------|
| Salam Telecom Company | KABUL | AFGHANISTAN |
|-----------------------|-------|-------------|



Section B-B



Section AA