د افغانستان اسلامی امارت
د مخابراتو او معلوماتی ټکنالوجی وزارت
د افغانستان د مخابراتي خدمتونو د تنظیم اداره
ریاست پلان و انکشاف
امریت پلان و برنامه ریزی

فورم سروی سایت های RTD-TBS پروژه منبع واحد دسترسی مراسری سال 1405

| | | |
|---|---|---|
| 1 | تاریخ انجام سروی سایت | ۲۸/۶/۱۴۰۵ |
| 2 | نمبر پروژه | منبع واحد |
| 3 | ولایت (شامل قرارداد عقد شده ) | هلمند |
| 4 | ولسوالی( شامل قرار داد عقد شده ) | نوزاد ولسوالی |
| 5 | قریه/قریه جات،منطقه/دره/تپه/شاهرا....(شامل قرارداد) | دګورزمیمه |
| 6 | سروی محل دوم (قریه/تپه/غوندی/منطقه/ولسوالی ) که شامل قرارداد نیست بعد از تعین محل توسط نمایندگان ولایتی با ارائیه دلایل قانع کننده طی مکتوب جداگانه ضم فارم هذا جهت منظوری به به اداره اترا ارسال گردد و قبل از منظوری تحیل سایت کار آغاز نمی گردد | نوموري سايټ ندی تعدیل شوی |
| 7 | محل سروی شده فاقد خدمات است یا خدمات ضعیف است | ۲جی ۳جی ضعیف خدمات سته |
| 8 | فاصله تقریبی محلات شامل قرارداد و محل تعدیل | نوموري سايټ ندی تعدیل شوی |
| 9 | شرکت برنده پروسه داوطلبی سایت یا تطبیق کننده پروژه | افغان تیلی کام مخابراتی شرکت |
| 10 | کود و یا ای دی سایت و کوردینات (GPS) دقیق محل که در آن سایت اعمار می گردد | 32.843172<br>64.544412 |
| 11 | محل سروی شده سایت شخصی است یا دولتی | دولتي مځکه ده |
| 12 | تهیه نوع لینک توسط شرکت مخابراتی (مایکروویف یا فایبر) تاحد امکان از لنگ ویست جلوگیری گردد | MW |
| 13 | اکنون در نزدیکی این ساحه خدمات مخابراتی کدام شرکت وجود دارد | غنان تلیکام مخابراتي شرکت ، اوافغان بیسم مخابراتی شرکت |
| 14 | کدام نوع خدمات مخابراتی 3G,2G و یا 4G در این سایت ارائیه خواهد شد | 3G/2G |
| 15 | صرف شاه راه ها تحت پوشش خدمات مخابراتی قرار میگیرد؟ البته قسمت که تحت پوشش قرار میگیرد ذکر کردد | ګورزساحه ترپوښښ لاندی راولی . |
| 16 | قریه جات/دره/منطقه که به اعمار و فعال نمودن این سایت ( علاوه از قریه جات شامل پلان قرارداد،قریجات دیگر که توسط این سایت تحت پوشش می اید در این سیل ذکر گردد) | ورنیز،ذهل،غدم اکا،هسکه کی ، امروت ، پوزه ، پشتوجوی ،دروذی ،سینه ،بادام ، تامنیان ، خوشکاوه . |
| 17 | تخمیناً چه تعداد نفوس با فعال نمودن همین سایت در این محل تحت پوشش خدمات مخابراتی قرار خواهد گرفت | 3000 دری زره کورونه دمخابراتي خدمات ځخه برخمن کیږي |




CamScanner

جدول سروی سایت های پرژه دهم TDF لات سوم

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Site ID | HLD115 | Candidate | 1 | | | | | |
| New Lat | 32.843172 | New long | 64.544412 | | | | | |
| Location Name | کورز ساحه | District | نوزاد | Province | هلمند | | | |
| Type of Property | Private? | | Gov? | yes | NA? | | | |
| Property owner | | | Owner Accessable? | | | | | |
| Property owner contact | | | | | | | | |
| Contract Agreement Negotiated? | | | | | دولتی است مربوط مرکز میشود | | | |
| Site type | TDF 10 | | GF: | | | | | |
| Land type | Desert level | Hill | Mountinouse | City | Rural | Rocky | | |
| | | | OK | | | | | |
| Access Road available | No | | | | | | | |
| Access road needed | Length "m": 4000m | | Width "m": 3m | | | | | |
| Needed tower type | GF | OK | GM | | RT | | | |
| Needed tower hieght | GF | 30M | | | | | | |
| Boundary wall needed | One side: | | 2 sides: | | 3 sides: | | 4 sides: | |
| Boundary wall length | TDF10 Design | | | | | | 4 sides | |
| Guardroom needed | Yes/TDF | | | | | | | |
| Toilet/Washroom | Yes/TDF | | | | | | | |
| Wall Fence needed | Yes/TDF | | | | | | | |
| RT site | | | | | | | | |
| Building type | | | | | | | | |
| No of floors | | | | | | | | |
| Building hieght | | | | | | | | |
| RT available area | | | | | | | | |
| Location photo record | General view | | Panaromic (45°) 8 photos | | | | Access Direction 3Phs | |
| | No | | No | | | | | |

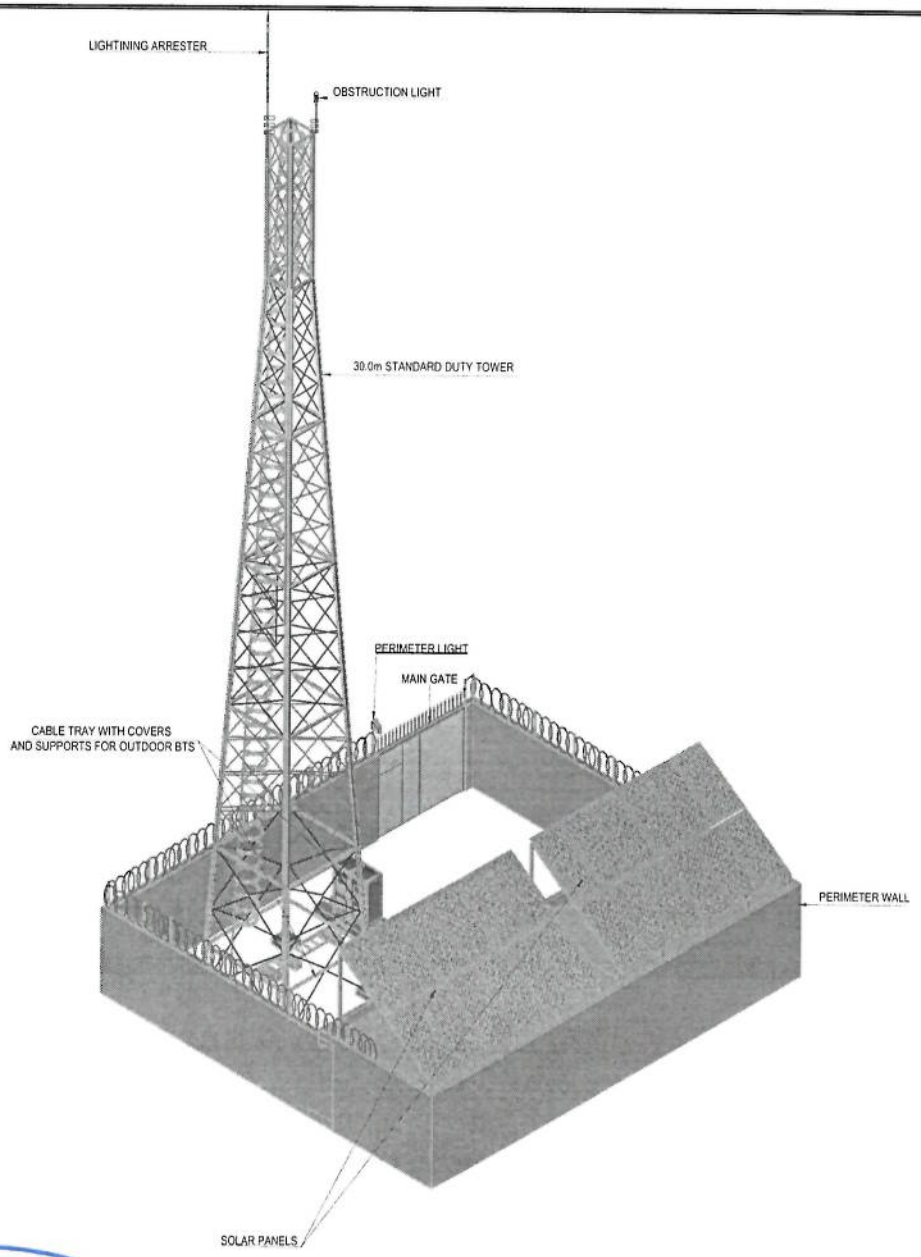
نوت:ددغه سایت دهلمند دسروی تیم پربنسټ تقریبا ۴کیلومتر کپړی چې ٪ ۵۰ پې هارد کتنګ ده او ٪ ۵۰ سافت کتنګ دقیق سړک کله چې تکمیل شی بیا دمحاسبې وړ ده خو سړک باید مناسب جوړ شی چې موتر پکې تګ راتګ وکولاشی

سایت پرژه دهم منج واحد که سروی آن از آغاز پروژه ای ۱۴۰۵/۶/۲۸
از جانب نماینده ما اجرا انجام نگردیده بود.

25/7/1405

# STANDARD DRAWING

## DETAILED DESIGN DRAWING




**PERSPECTIVE**

SCALE : NTS

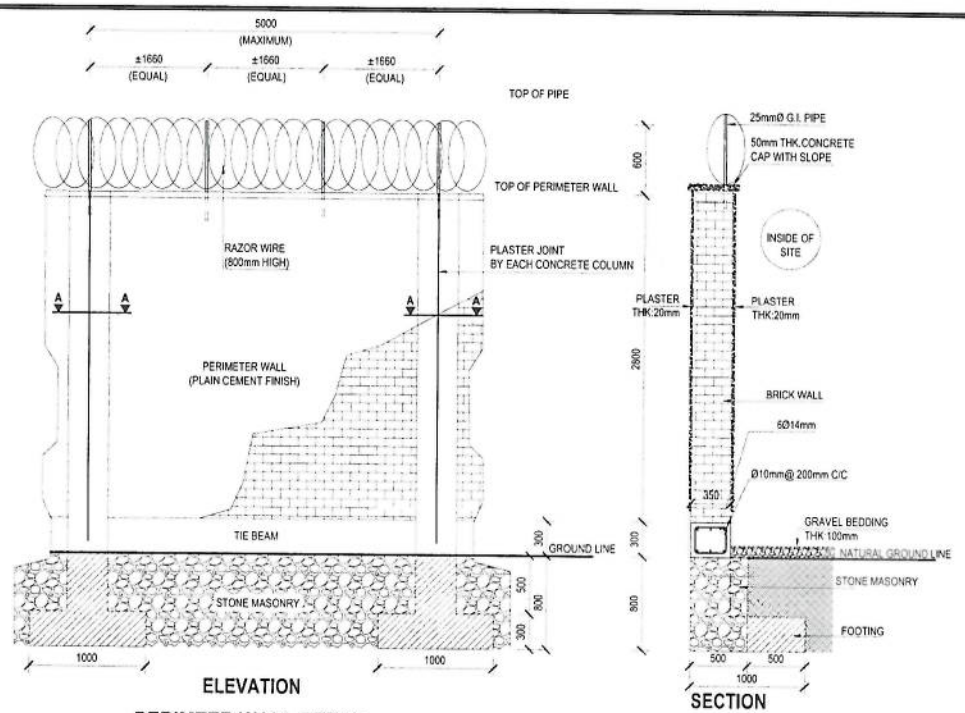
TOWER HEIGHT: 30.0m SD TOWER

| | | |
|---|---|---|
| 18 | فاصله اعمار سرک مورد ضرورت سایت به شکل تخمینی ساحه نرم و سخت سرک ذکر گردد. | (6) کیلو متره ، نرم خاورین سرک دی |
| 19 | اسم/وظیفه/شماره تماس و امضاء مروی کننده شرکت مخابراتی | انجنیرمحمدولی رازقی دافغان تیلی کام مخابراتی شرکت نمایند<br>شماره تماس: ۰۷۴۵۳۰۲۹۳۰<br>مهراوامظا |
| 20 | اسم نماینده ولایتی اترا ، شماره تماس، ایمیل ، امضاء ،و تاریخ | عبدالمنان ایوبی د هلمند ولایت اترا مایلکی کارمند<br>د تماس شمیره: ۰۷۰۵۱۲۲۴۹۷<br>مهراومظا |
| 21 | اسم نماینده زون اترا،شماره تماس،ایمیل،امضاء،مهر و تاریخ | |
| 22 | طبق شرایط مندرج قرار داد 30 متر تاور سیلف سپورتید الزامی<br>است(شرکت برنده بنا بر ضرورت لینک میتواند تاور بلندتر از<br>30 متر استفاده نماید) | (30) متر ه سیلف سپورت تاور |
| 23 | اسم نماینده ریاست مخابرات ولایت مربوطه ،امضاء،مهر تاریخ | د هلمند ولایت د مخابراتو محترم ریاست نماینده<br>انجنیرفریداحمد شمیره تماس: ۰۷۰۴۱۷۶۱۹۵ |
| 24 | یا امضاء تیم اعزامی از اداره اترا (از کابل) به محل مربو جهت انجام سروی سایت مورد بحث | |

نوت:اصل فارم سروی انجام شده به ریاست پلان و انکشاف ارسال میگردد و کاپی های رنگین ان نزد، ریاست مخابرات/نماینده ولایتی/امریت زون اترا، شرکت مخابراتی و شرکت TTSPبرنده میباشد. قابل تذکر است هرگاه حین سروی تشخیص گردد که ساحه شامل پلان تحت پوشش خدمات مخابراتی قرار دارد، ریاست مخابرات و نماینده گان ولایتی/زون اترا پیشنهاد خویش را جهت منظوری تعدیل محل سایت با ارایه دلایل قانع کننده به اداره اترا ارسال دارند و قبل از منظوری تعدیل محل سایت، سروی سایت انجام نمی گردد و در تعین محل سایت هیچ کس حق سوء استفاده را ندارد، سایت درساحه باید سروی/اعمار/فعال گردد که از ان محل زیاد نفوس و ساحات روستایی تحت پوشش خدمات مخابراتی قرار گیرد،درصورت تخلف از شرایط قرارداد با متخلفین برخورد قانونی صورت میگیرد، خاطرنشان میگردد که نظارت از تطبیق پروژه یکی از مسولیت های ریاست های مخابرات و امریت های زون اداره اترا میباشد.



CamScanner

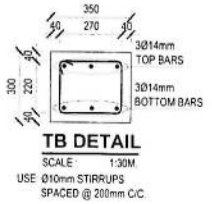



**ELEVATION**

**PERIMTER WALL DETAIL**

SCALE : 1:60M.

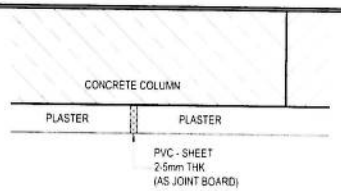
**SECTION**




**TB DETAIL**

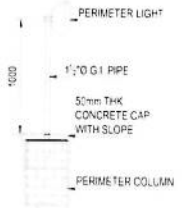
SCALE : 1:30M.

USE Ø10mm STIRRUPS
SPACED @ 200mm C/C.



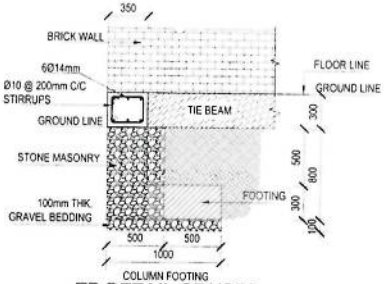

**SECTION A-A**

SCALE : 1:5M.



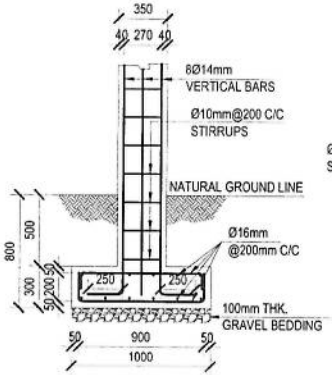

**PERIMETER LIGHT**

SCALE 1:60M



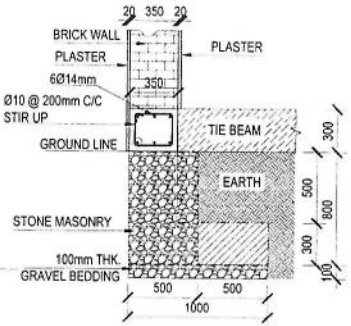

**TB DETAIL CF1/CF3**

SCALE : 1:60M.



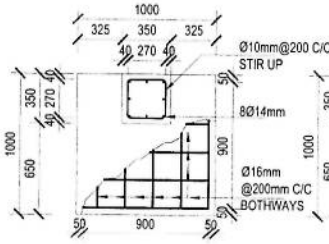

**TYPICAL ELEVATION**

SCALE : 1:60M.



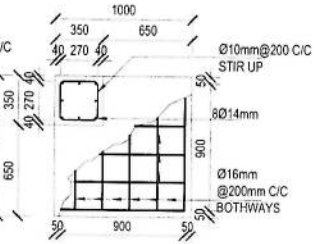

**TB DETAIL CF2**

SCALE : 1:60M.



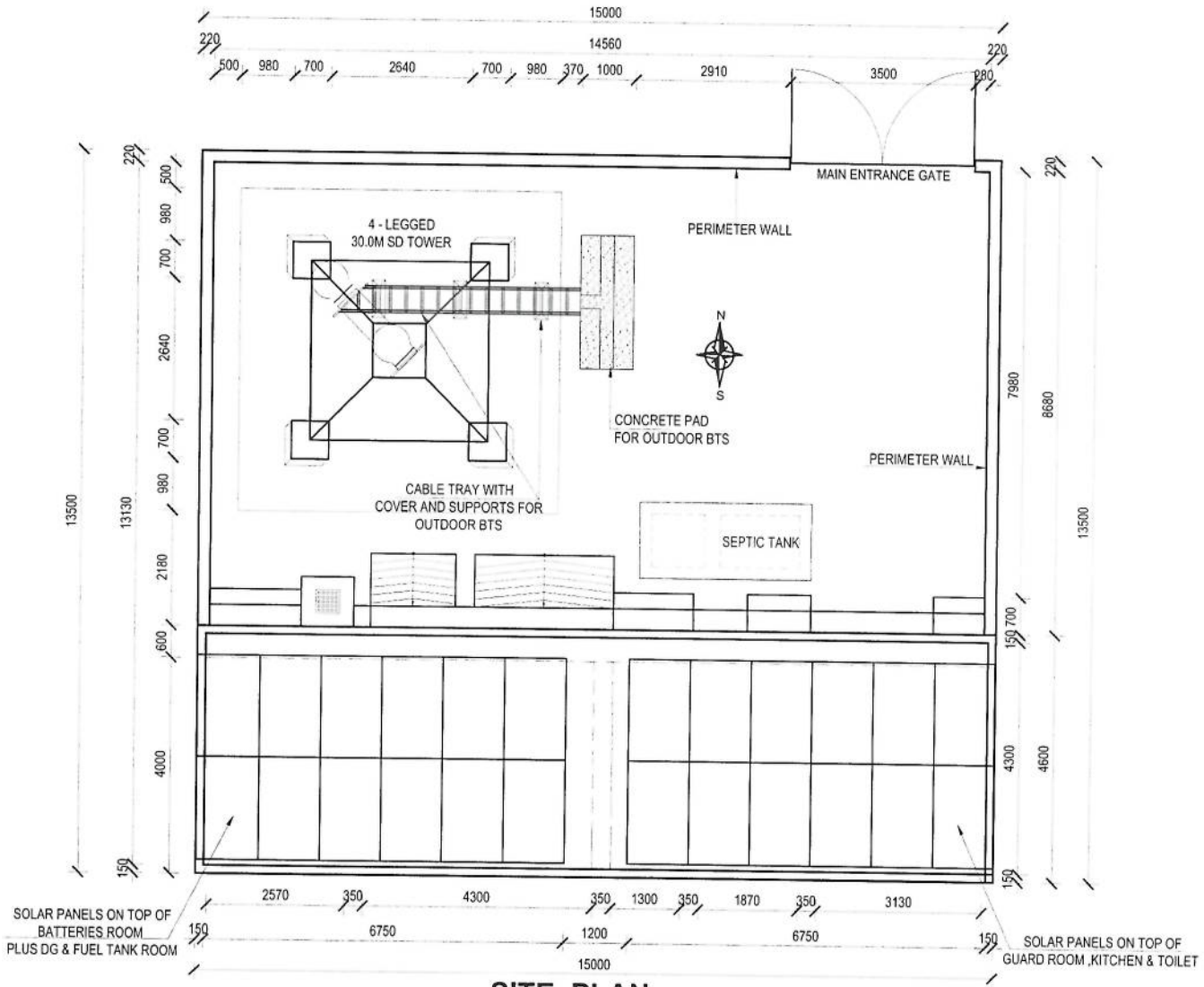

**CF1 PLAN**

SCALE 1:60M.



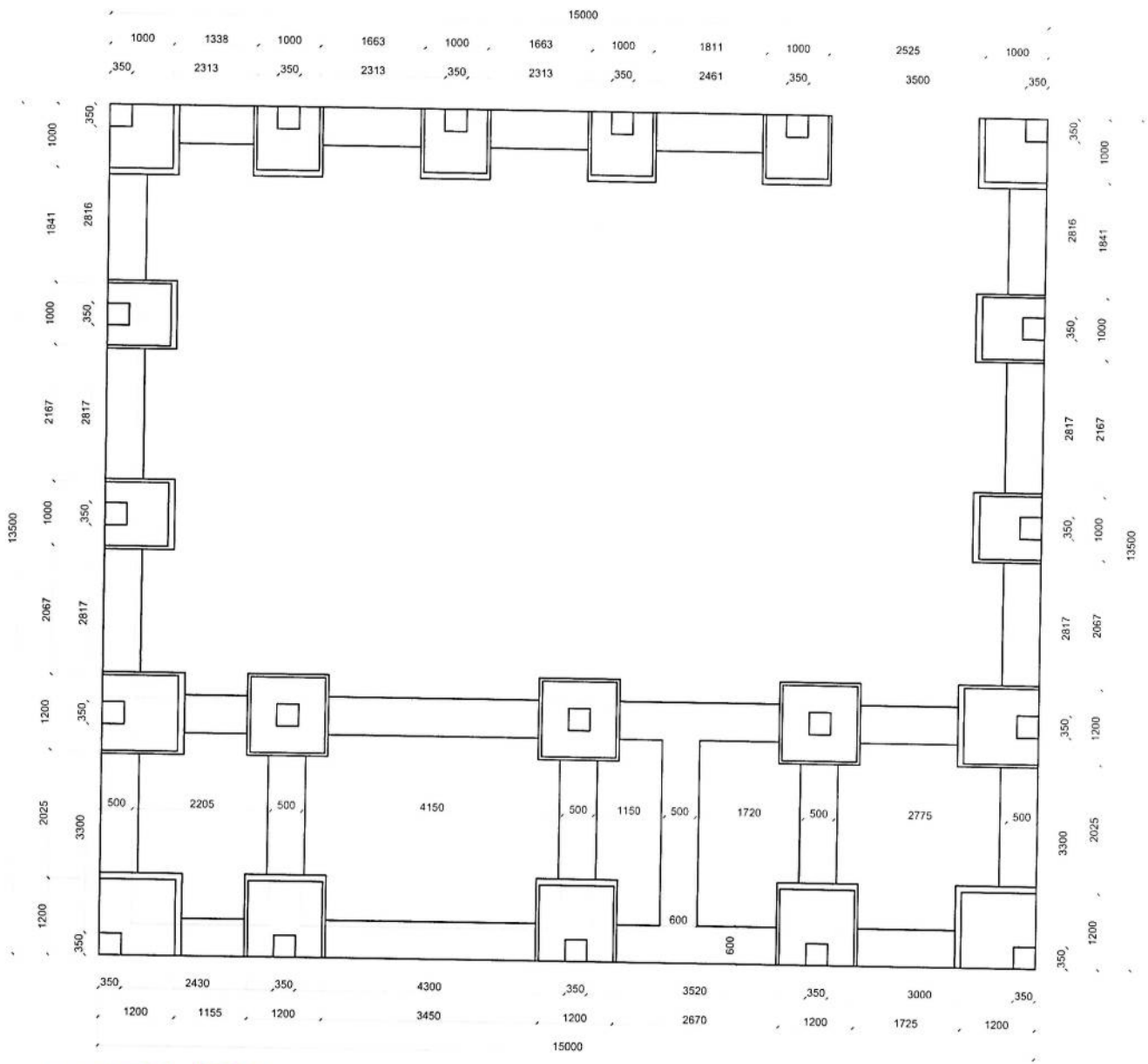

**CF2 PLAN**

SCALE 1:60M.



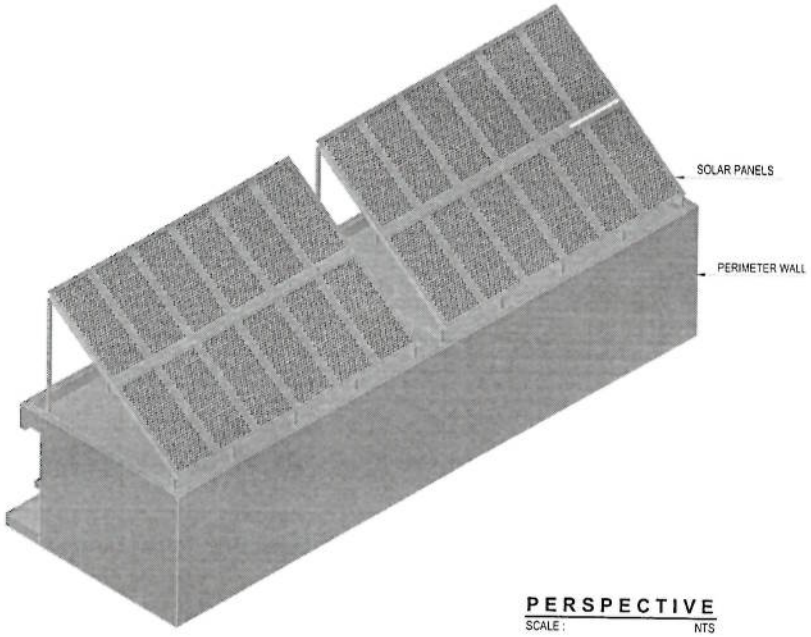

## SITE PLAN

SCALE : 1:150M.



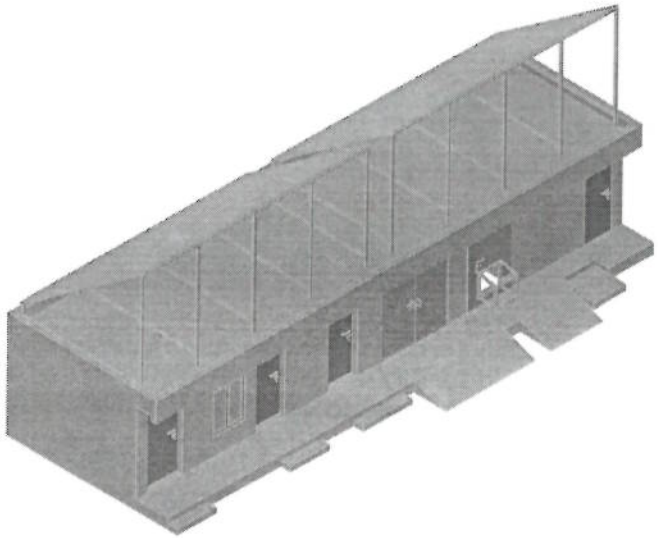

FOUNDATION PLAN

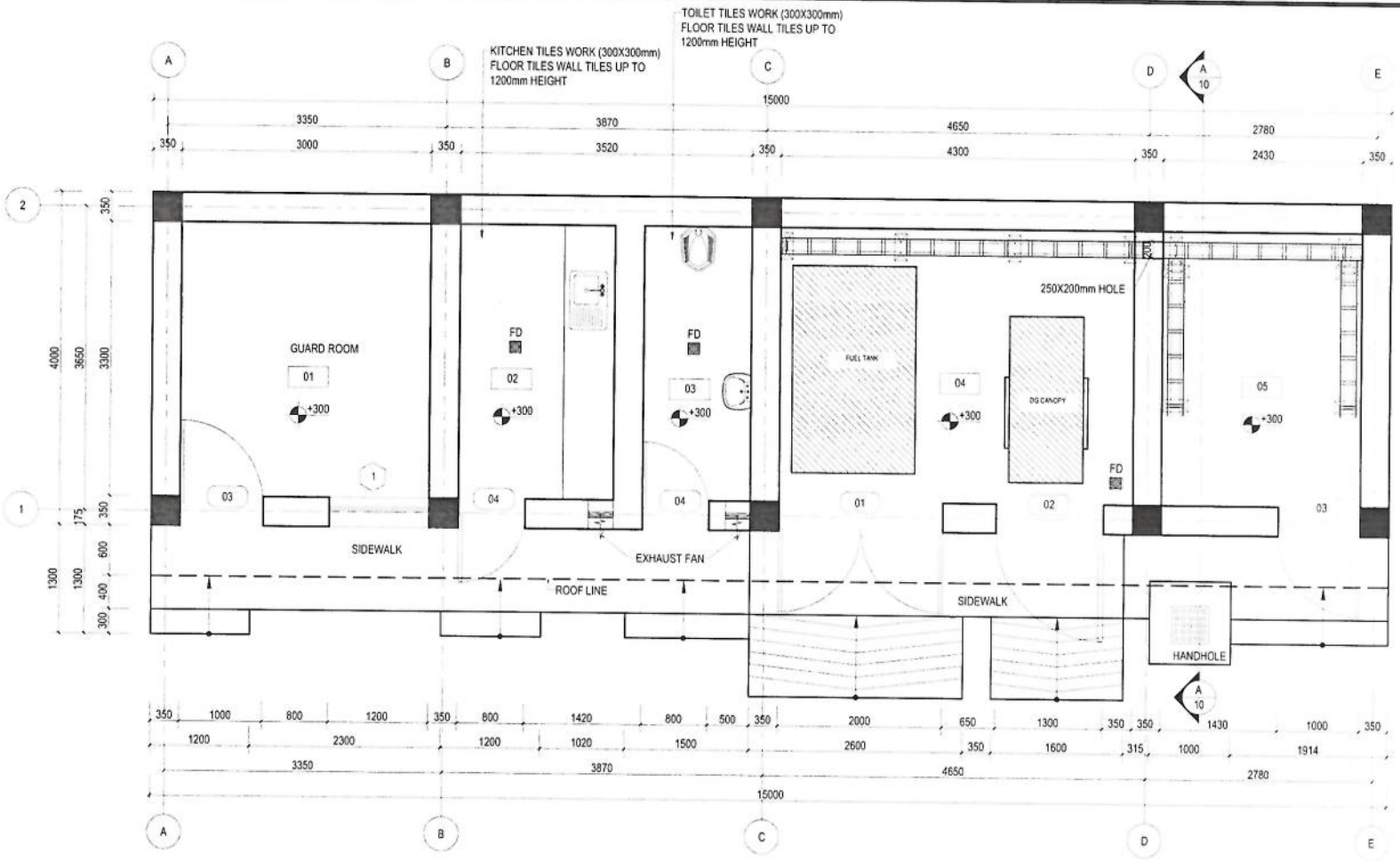
SCALE: 1:125




**PERSPECTIVE**

SCALE : NTS






## FLOOR PLAN

SCALE : 1:80

NOTE

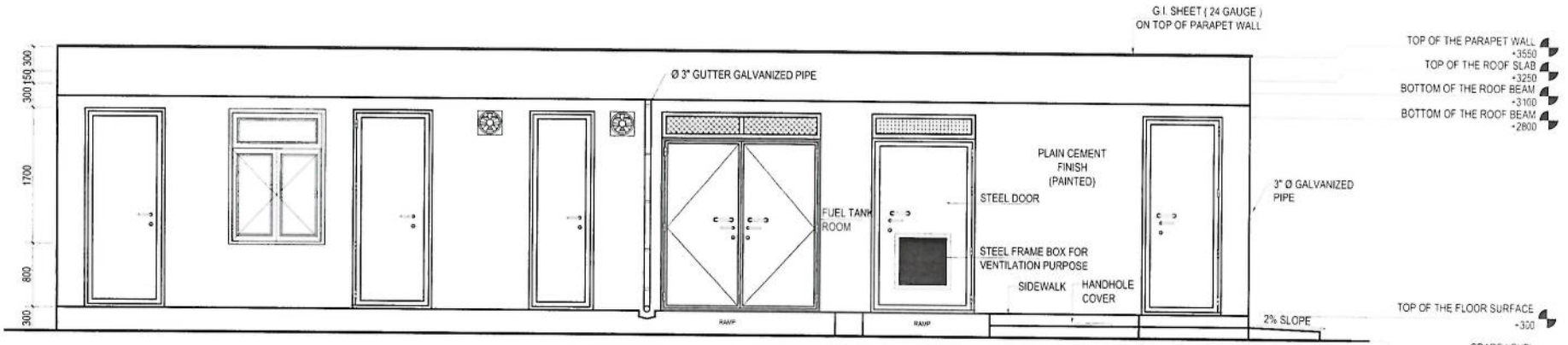
1. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.

**HATCH LEGEND**

- PLAIN CONCRETE CEMENT
- BRICK WORK
- OVERHEAD STRUCTURE
- REINFORCEMENT COLUMN
- DW — DOWN
- FD — FLOOR DRAIN
- ELEVATION

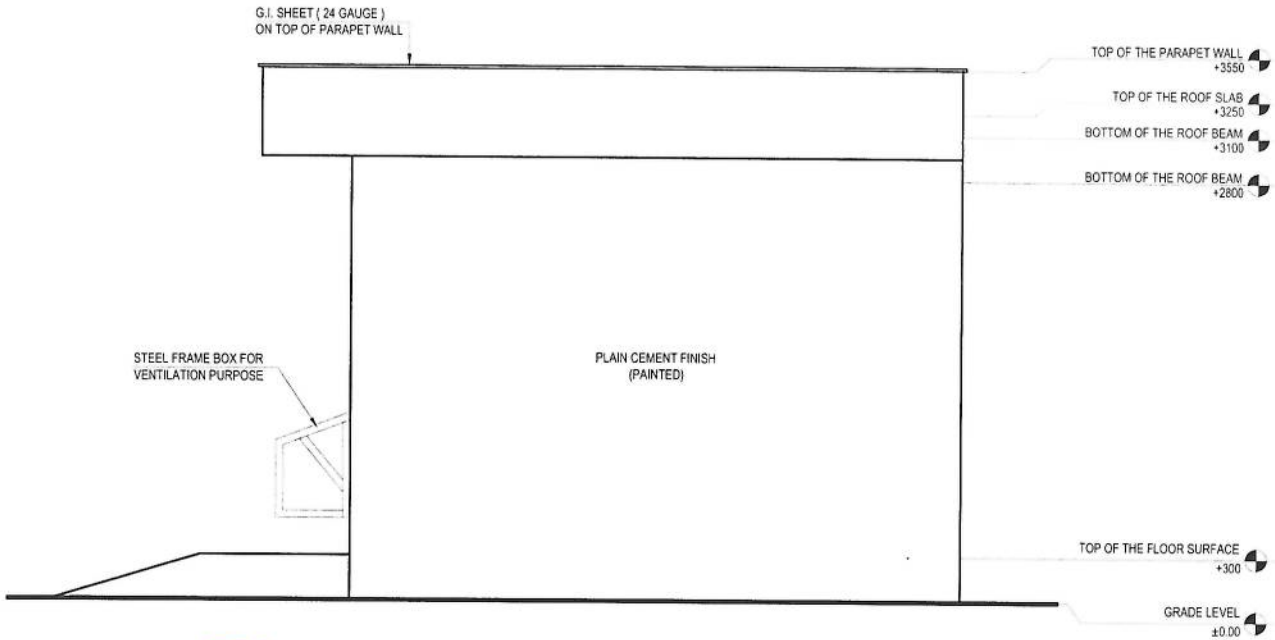
**ROOM LEGEND**

| | |
|---|---|
| 01 | GUARD ROOM |
| 02 | KITCHEN |
| 03 | TOILET |
| 04 | FUEL TANK AND DG ROOM |
| 05 | BATTERIES ROOM |



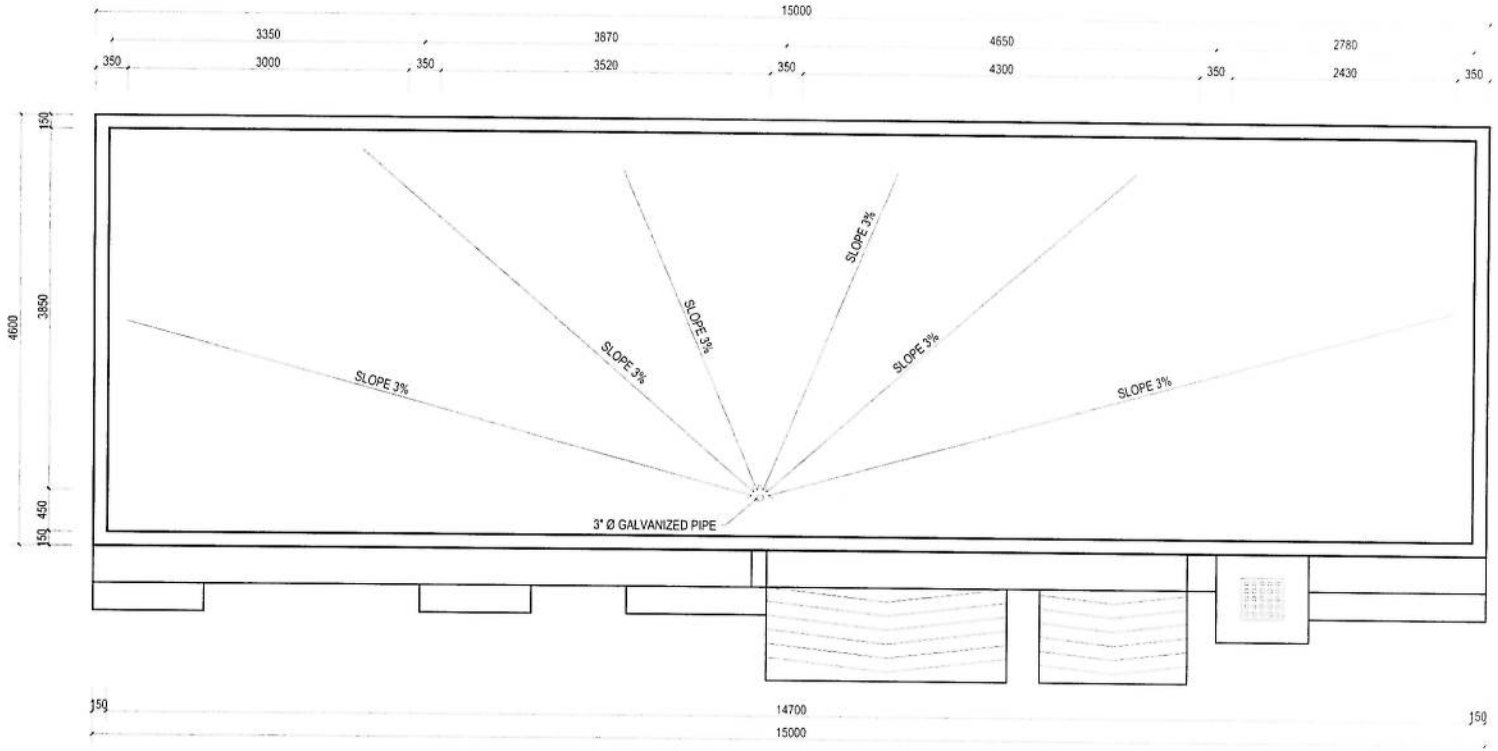

**FRONT ELEVATION**

SCALE : 1:80




**RIGHT ELEVATION**

SCALE : 1:50

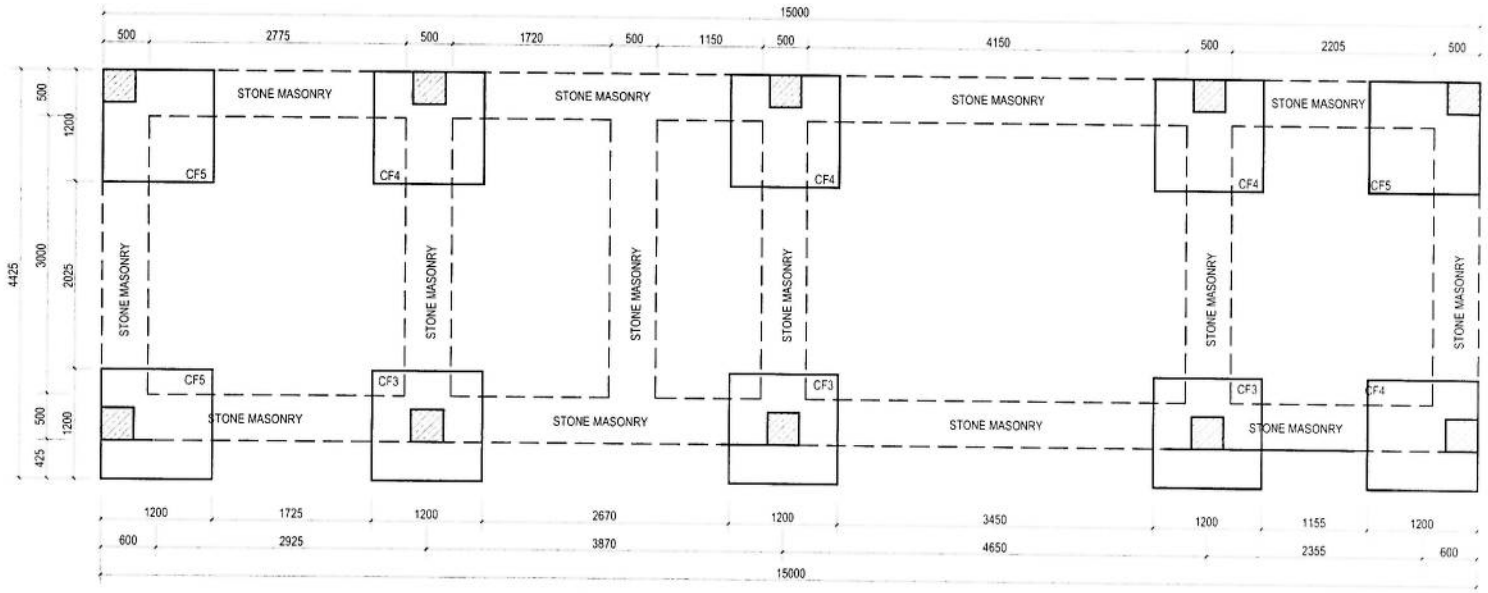



## ROOF PLAN

SCALE : 1:80

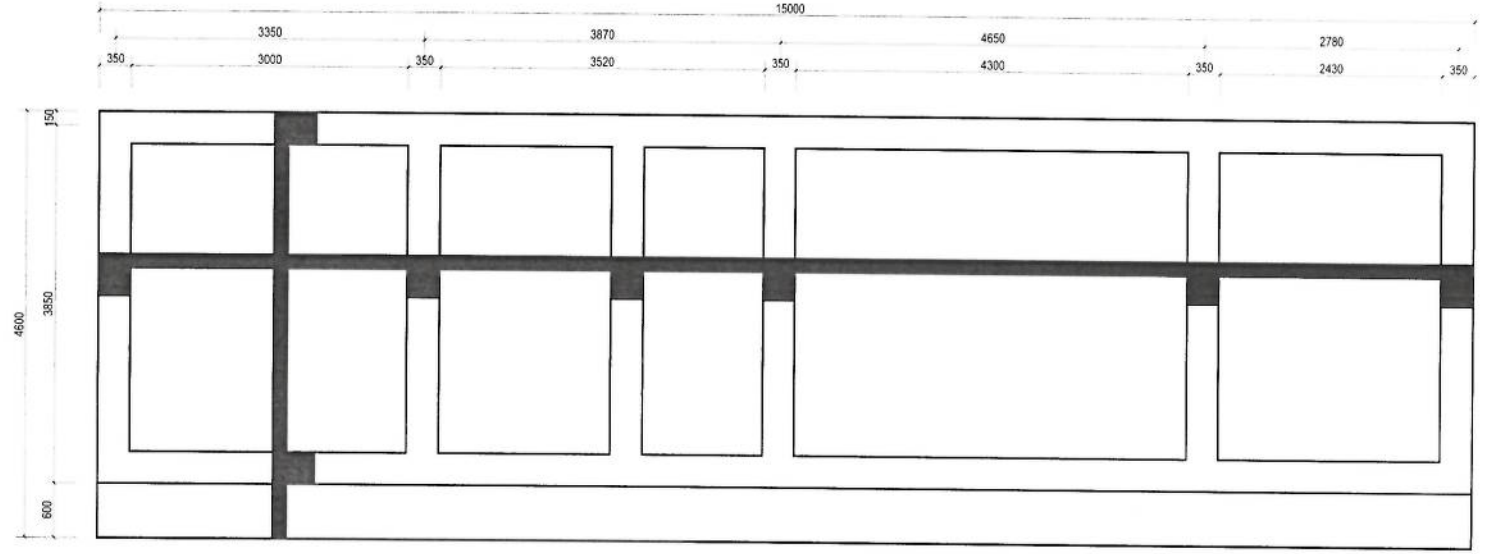
NOTE

1. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
2. ROOF SLOPE 3%



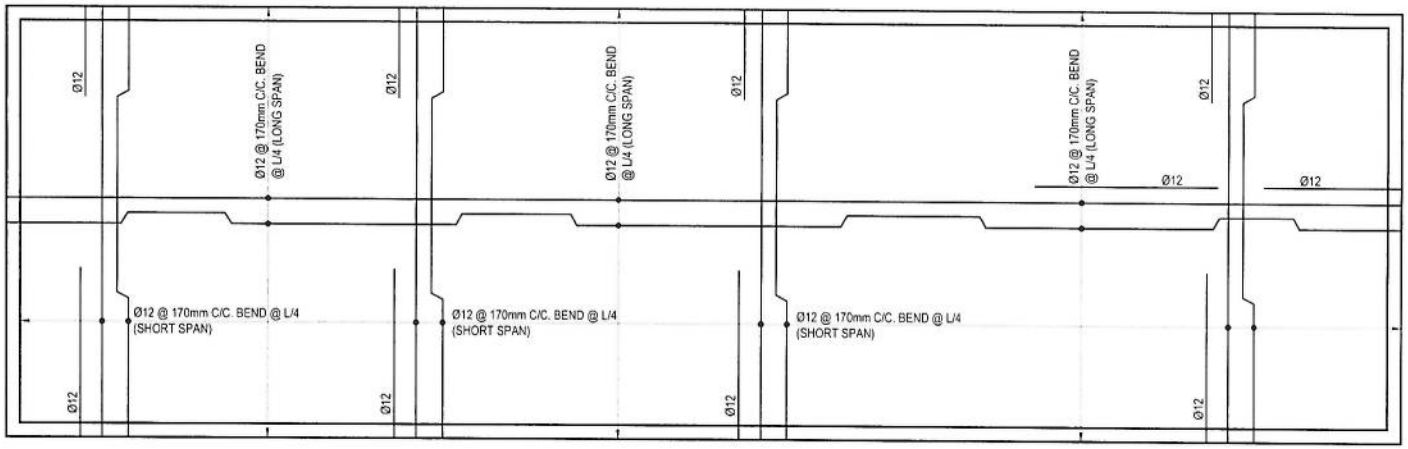

**FOUNDATION PLAN**

SCALE : 1:80




**SHUTTERING PLAN**

SCALE : 1:80

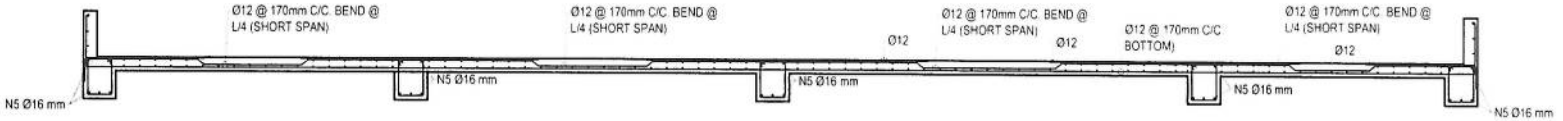



## ROOF SLAB REINFORCEMENT PLAN

SCALE : 1:80

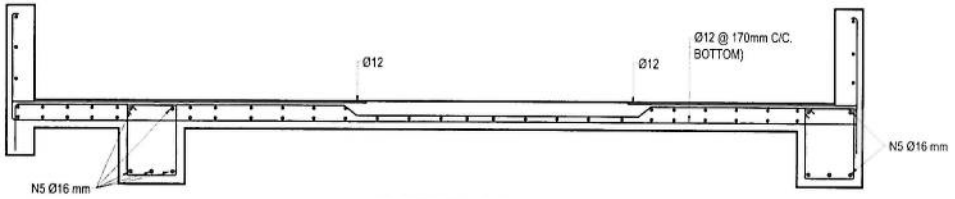
NOTE

1. CONCRETE MIX RATIO SHOULD BE SUCH THAT 28 DAYS STRENGTH MUST BE fc'=3000 psi
2. DEFORMED BAR OF GRADE 60 (fy'=60000 psi)
3. MINIMUM CLEAR COVER TO REINFORCING STEEL 30 mm
4. VIBRATOR, MIXTURE MACHINE SHOULD BE USED IN CONCRETE CASTING.
5. CONSTRUCTION SHOULD BE DONE WITH CLOSED SUPERVISION OF AWCC SITE ENGINEER



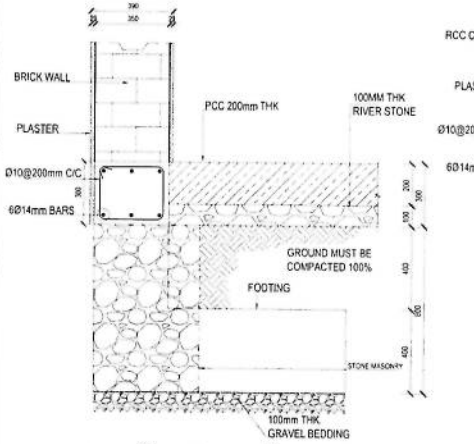

## ROOF SLAB SECTION

SCALE : 1:80

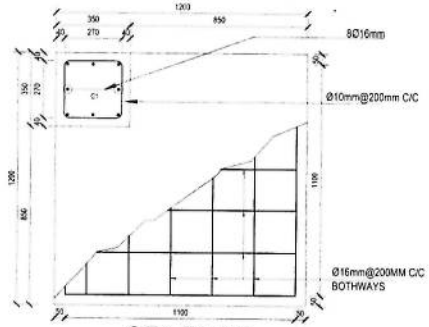



## SECTION G-G

SCALE : 1:40



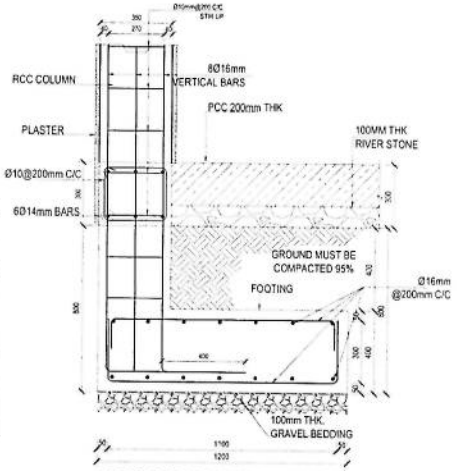

## COLUMN FOOTING
SCALE : 1:20



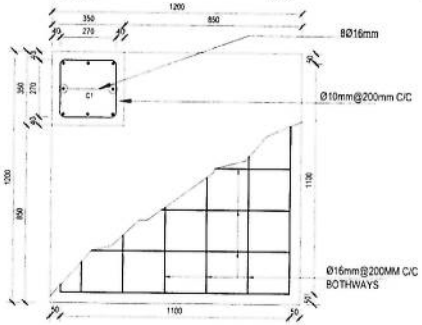

## CF5 PLAN
SCALE : 1:20



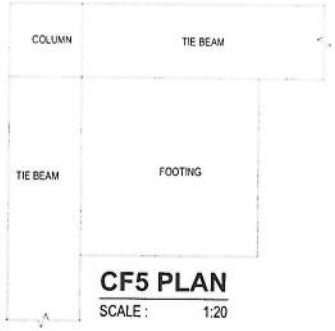

## CF5 PLAN
SCALE : 1:20



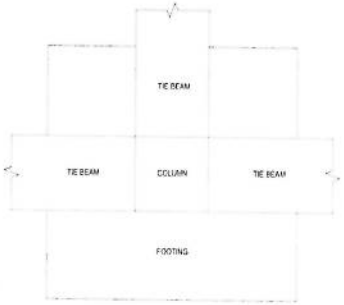

## COLUMN FOOTING
SCALE : 1:20



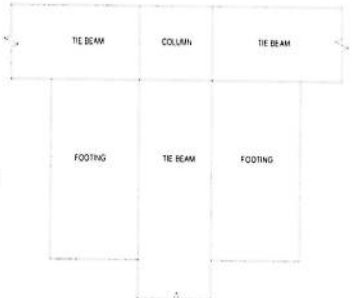

## CF5 PLAN
SCALE : 1:20



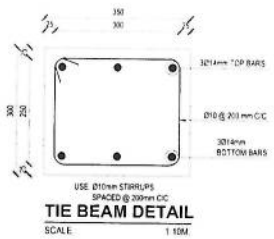

## CF5 PLAN
SCALE : 1:20



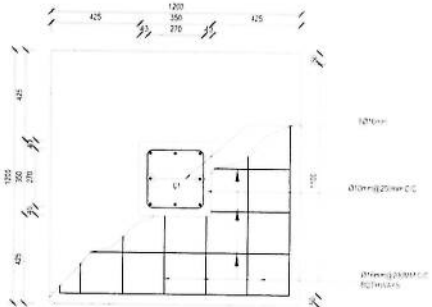

## CF3 PLAN
SCALE : 1:20



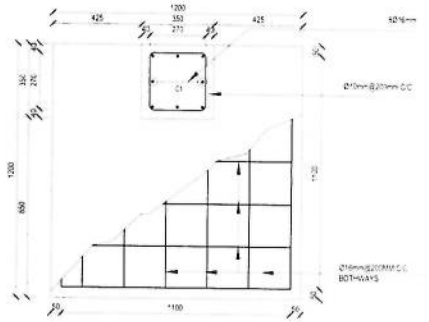

## CF4 PLAN
SCALE : 1:20



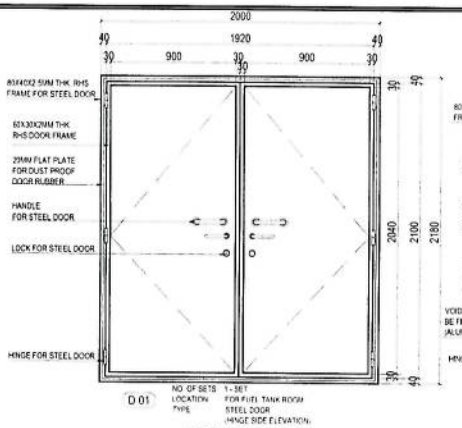

## TIE BEAM DETAIL
SCALE : 1:10




## CF3 PLAN
SCALE : 1:20

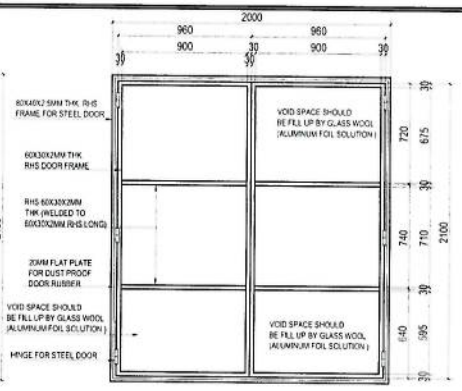



## CF4 PLAN
SCALE : 1:20



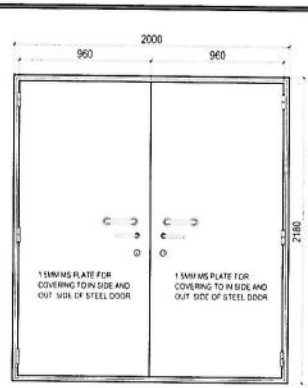

## FRONT VIEW

SCALE 1:30M



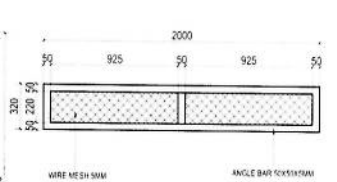

## FRAMING PLAN

SCALE 1:30M




## MS PLATE 1.5MM

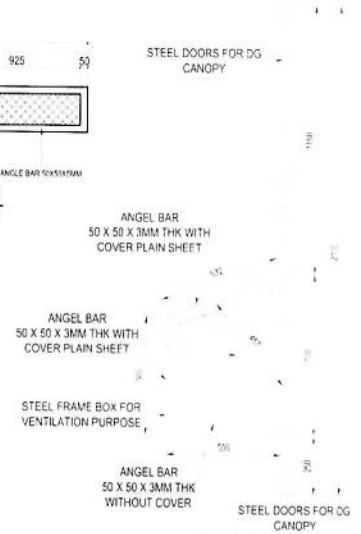
SCALE 1:30




## TOP FRAME

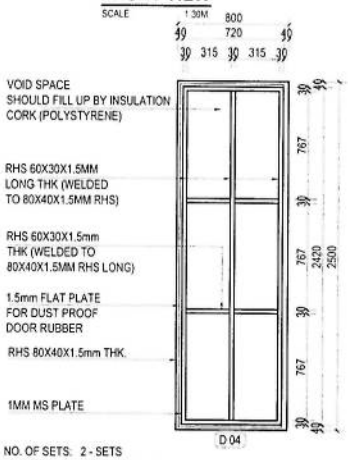
SCALE 1:30M

STEEL DOORS FOR DG CANOPY

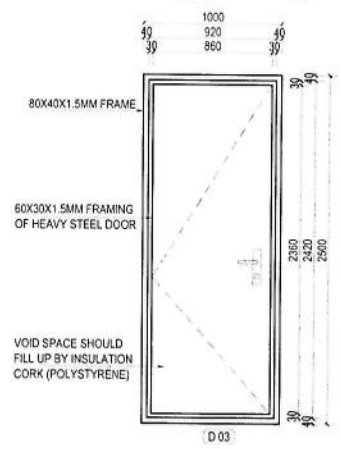



## STEEL DOOR DETAIL

SCALE

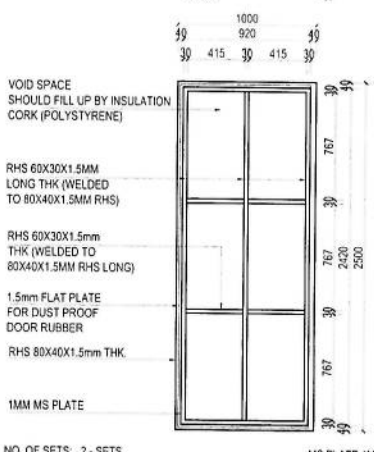



NO. OF SETS: 2 - SETS
LOCATION: GROUND FLOOR
TYPE: STEEL DOOR
(HINGE SIDE ELEVATION)

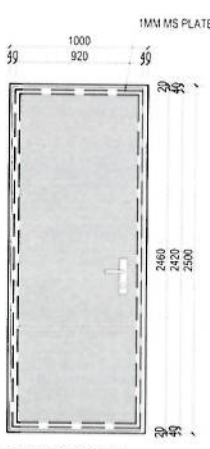



## STEEL DOOR

SCALE : 1:50



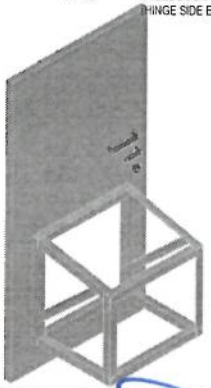

NO. OF SETS: 2 - SETS
LOCATION: GROUND FLOOR
TYPE: STEEL DOOR
(HINGE SIDE ELEVATION)

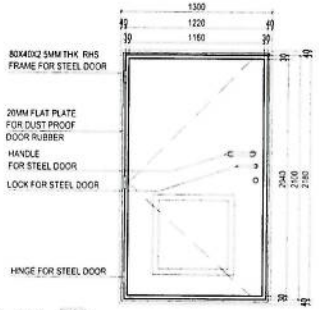



MS PLATE 1MM (ON TOP OF RHS FRAMING)

## RHS FRAMING LAYOUT PLAN

SCALE : 1:50

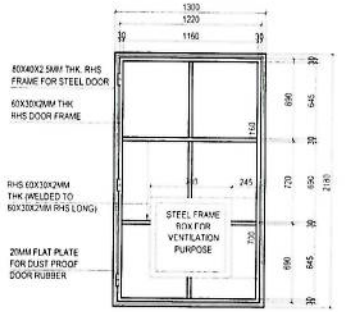





NO. OF SETS 1 - SET (D 02)
LOCATION FOR DG CANOPY ROOM
TYPE STEEL DOOR
(HINGE SIDE ELEVATION)

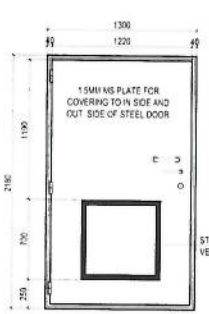
## FRONT VIEW

SCALE : 1:40M



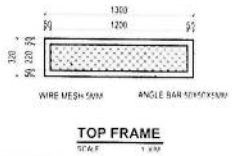

## FRAMING PLAN

SCALE : 1:40M



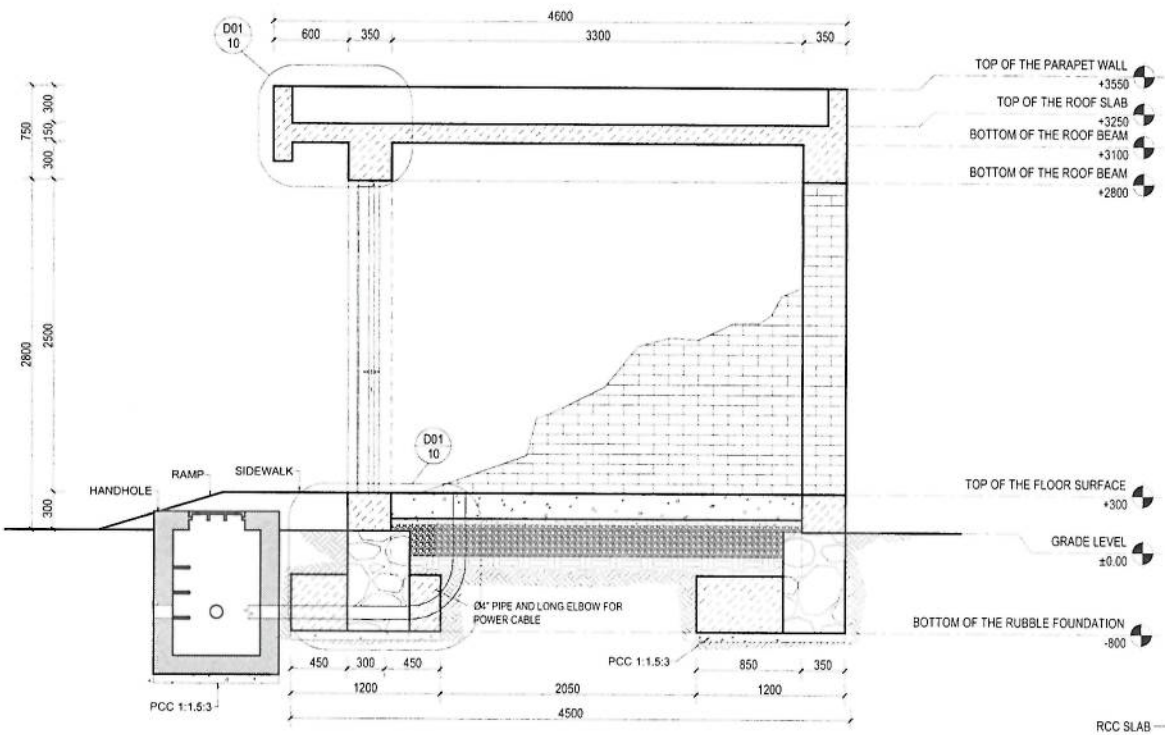

## MS PLATE 1.5MM

SCALE : 1:40



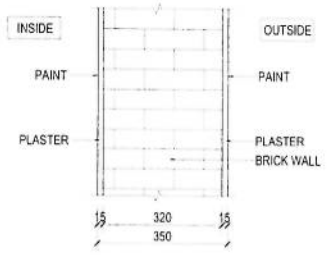

## TOP FRAME

SCALE 1:40M



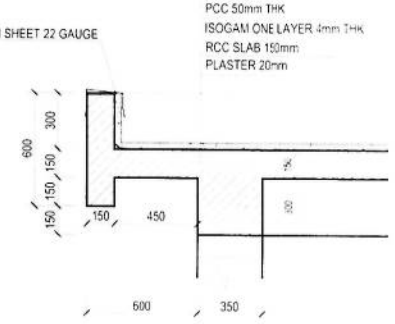

## SECTION H-H

SCALE : 1:60



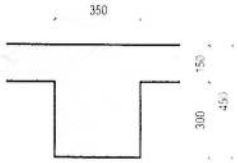

## WALL DETAIL

SCALE 1:20



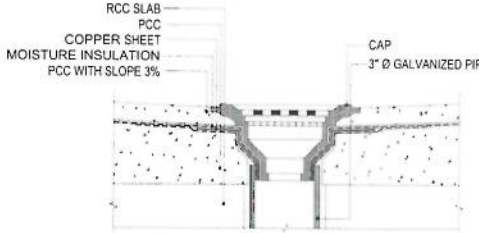

## ROOF DETAIL D02

SCALE 1:40



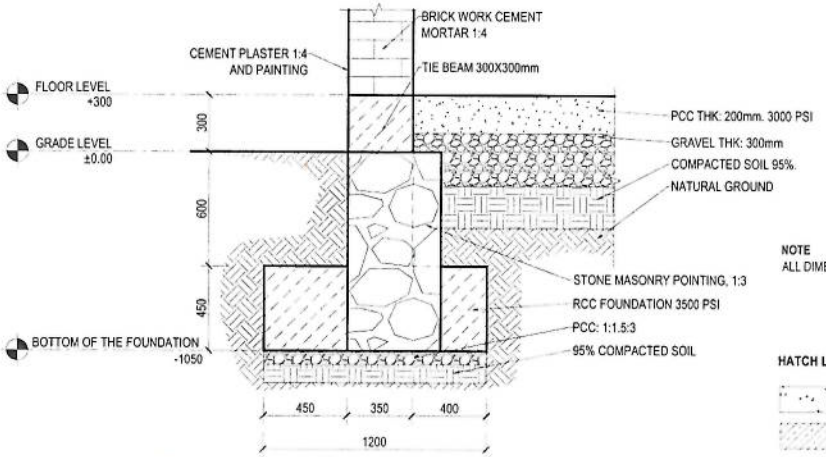

## ROOF DETAIL D02

SCALE 1:10




## GUTTER PIPE DETAIL

SCALE : 1:5



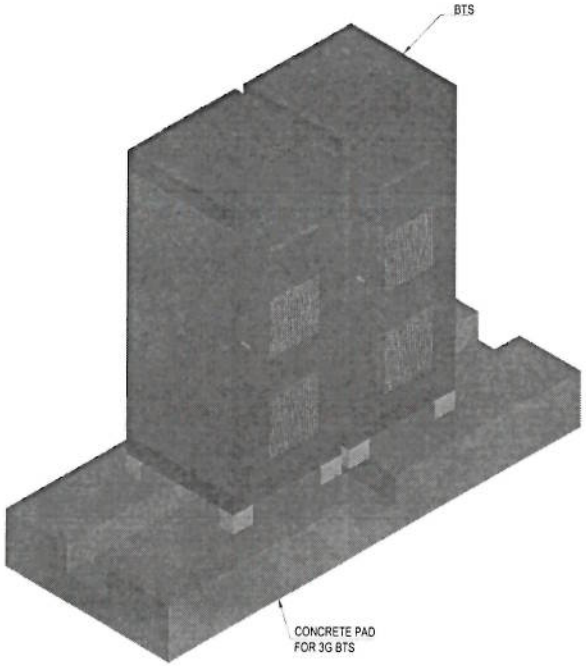

## DETAIL D01

SCALE 1:40

**NOTE**
ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.

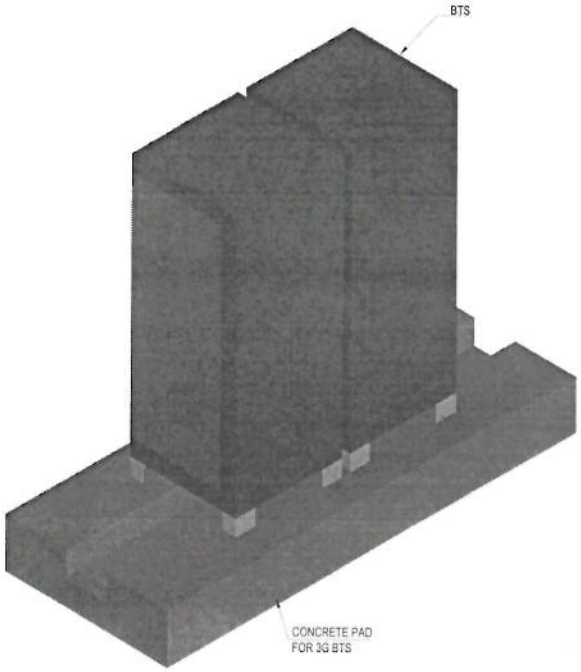
**HATCH LEGEND**

- PLAIN CONCRETE CEMENT
- REINFORCEMENT CONCRETE CEMENT
- OVERHEAD STRUCTURE
- BRICK, SECTION
- BRICK, PLAN
- ELEVATION
- REINFORCEMENT COLUMN
- DW DOWN



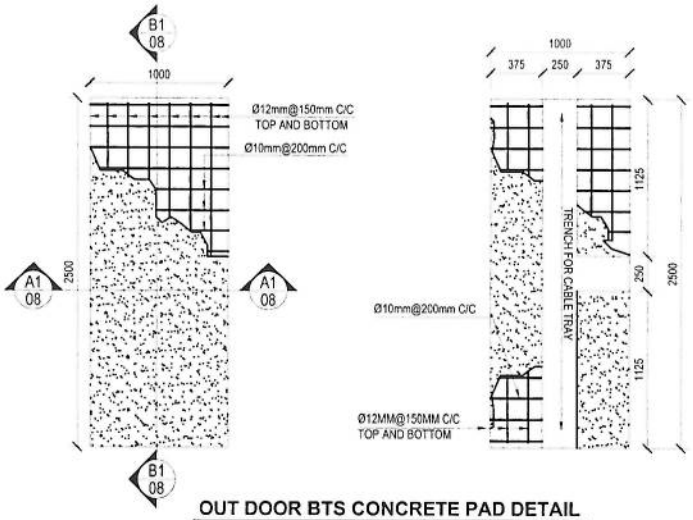

**3D VIEW PLAN**

SCALE : 1:NTS



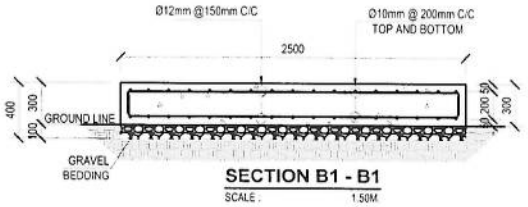

**3D VIEW PLAN**

SCALE : 1:NTS



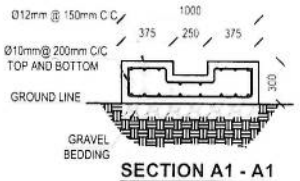

**OUT DOOR BTS CONCRETE PAD DETAIL**

SCALE : 1:50M



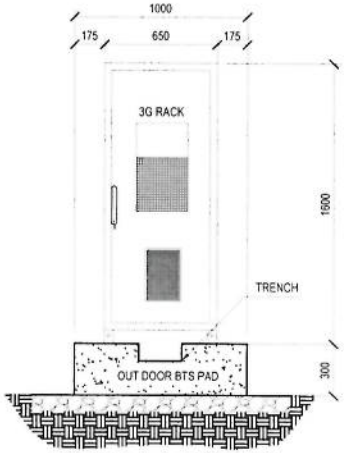

**SECTION B1 - B1**

SCALE : 1:50M



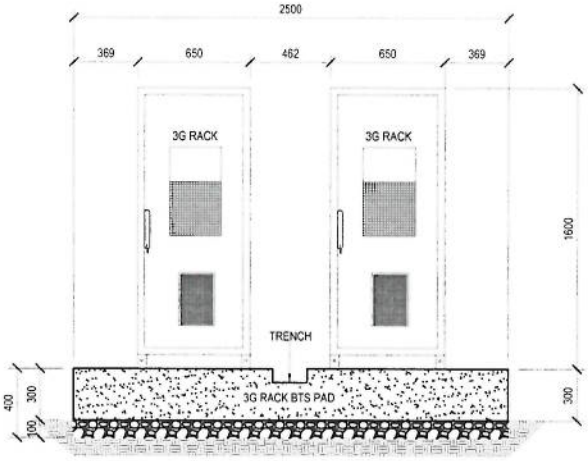

**SECTION A1 - A1**

SCALE 1:50M



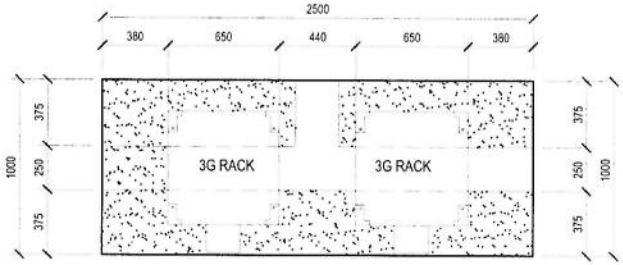

**OUT DOOR BTS RACKS & PAD SIDE VIEW**

SCALE 1:40M



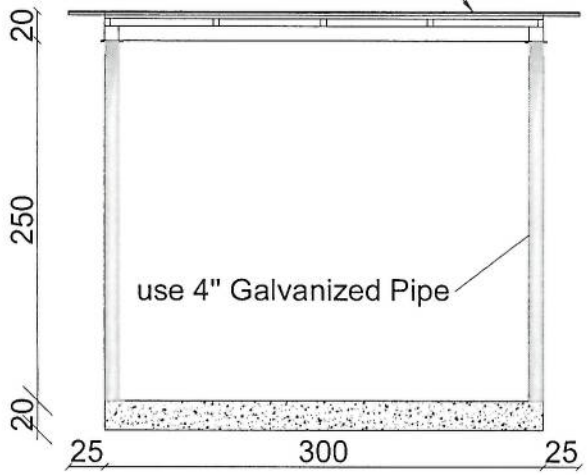

**OUT DOOR BTS RACKS & PAD FRONT VIEW**

SCALE : 1:40M

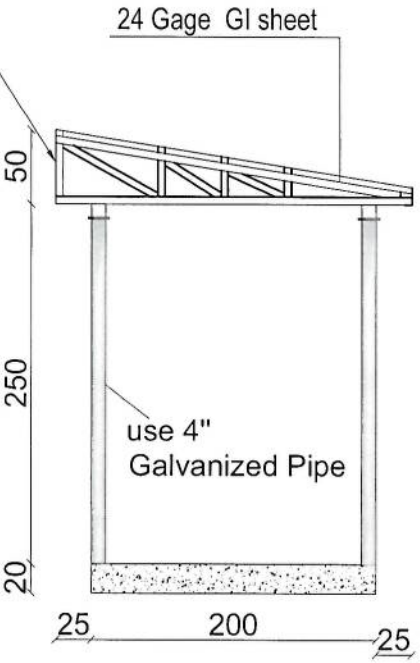



**OUT DOOR BTS RACKS & PAD TOP PLAN**

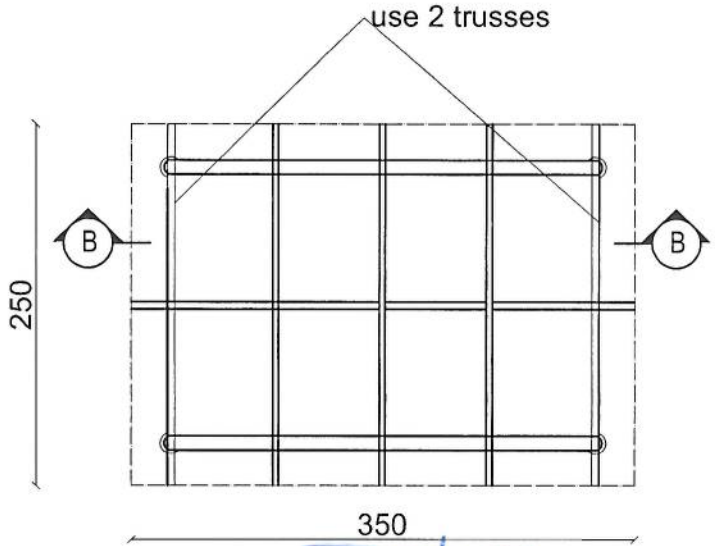
SCALE : 1:40M

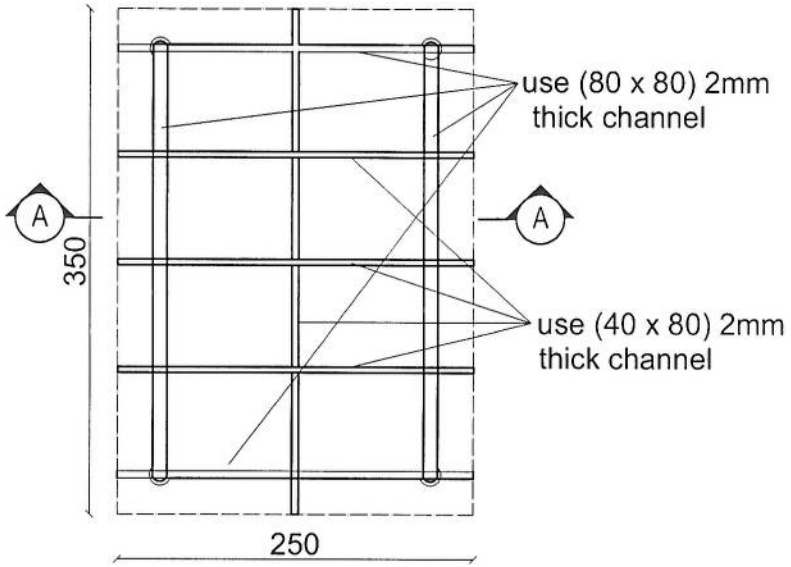



Section BB




Section AA




| | |
|---|---|
| 04 | SUN SHELTER FOR ZTE BTS |
| 04 | REF. A104 SCALE: 1:50 |

REVISION RECORDS

| REVISION NO | DATE | DESCRIPTION |
|---|---|---|
| | | |

LEGEND:

DRASHED ROFF

PCC

PROJECT TITLE / NO:
GSM SITES

DRAWING TITLE:
SUN SHELTER FOR ZTE BTS
BTS

DRAWN BY:
CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE:
1:50

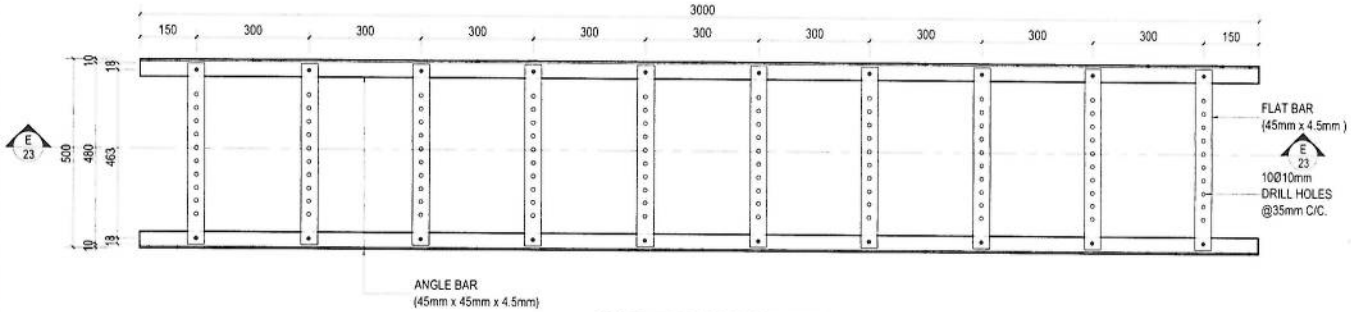
ACTUAL DATE:
13 /04/ 2025

ISSUE DATE:

DRG NO: 04

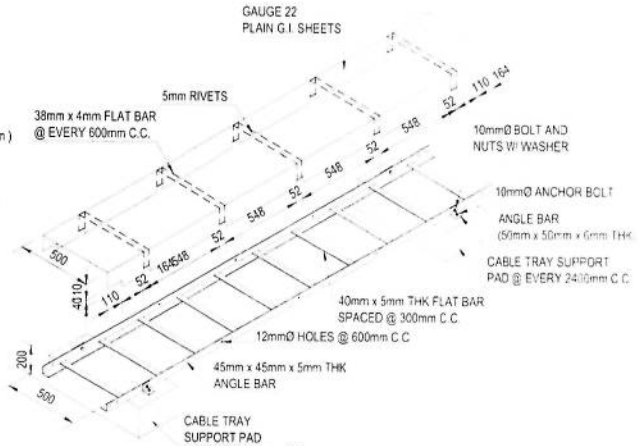
OWNER:
AFGHAN TELECOM

Salaam Telecomunication Company
KABUL
AFGHANISTAN




## CABLE TRAY FOR BTS

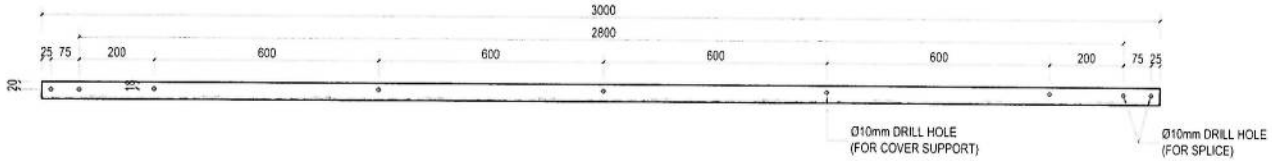
SCALE : 1:20M




HORIZONTAL CABLE TRAY

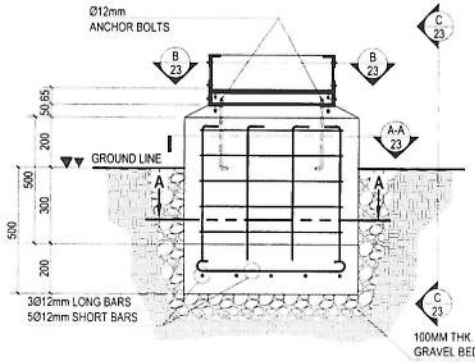
## ISOMETRIC VIEW

SCALE 1:50M



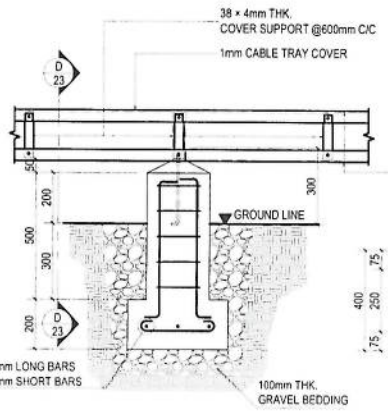

## SECTION E-E

SCALE : 1:20M.



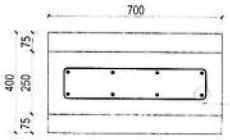

## SECTION D-D

SCALE : 1:30M.



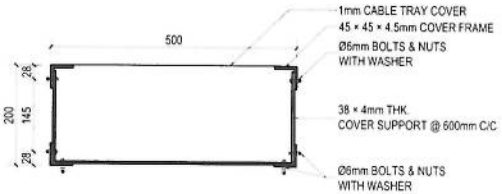

## SECTION C-C

SCALE : 1:30M.



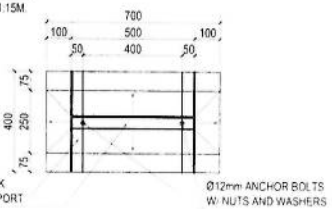

## SECTION A-A

SCALE : 1:30M.




## SECTION D-D

SCALE : 1.15M.

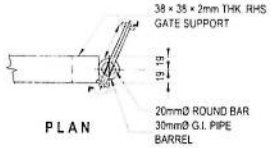



## SECTION B-B

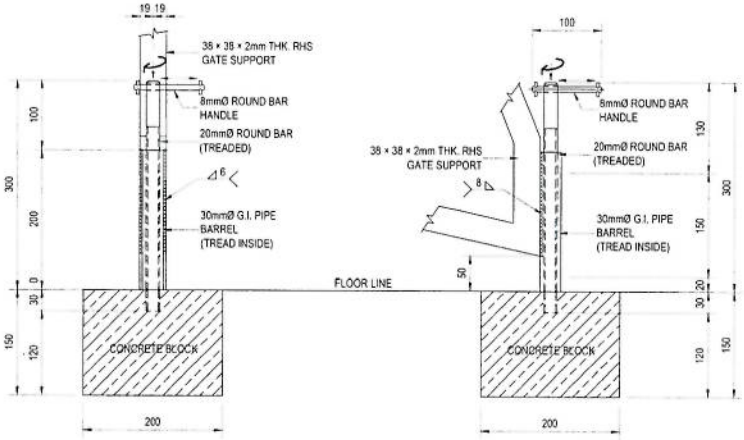
SCALE : 1:30M.

2837
316
40
2447
300 X300 5MM THK BASE PLATE SHOULD BE BOLTH ON TOP OF ROOF
RHS 80x40x3
SHS 40x40x3
SOLAR PANELS
SHS 40x40x3
RHS 80x40x3
300 X300 5MM THK BASE PLATE SHOULD BE BOLTH ON TOP OF ROOF


3650
40
1695
40
1695
40
RHS 80x40x3mm
RHS 80x40x3mm
RHS 80x40x3mm
RHS 80x40x3mm
RHS 80x40x3mm
RHS 80x40x3mm
RHS 80x40x3mm
RHS 80x40x3mm
RHS 80x40x3mm
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40
1695
40
3650




PLAN

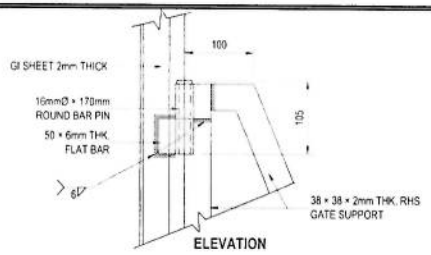



FRONT VIEW

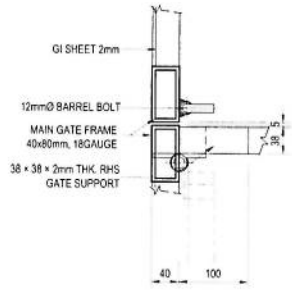
ELEVATION

**DETAIL D**

SCALE : 1:10M



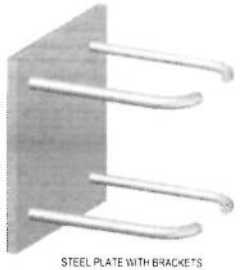

ELEVATION




PLAN

**DETAIL F**

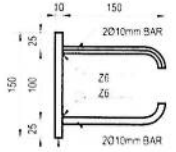
SCALE 1:10M



STEEL PLATE WITH BRACKETS

**3D VIEW**

SCALE N/A

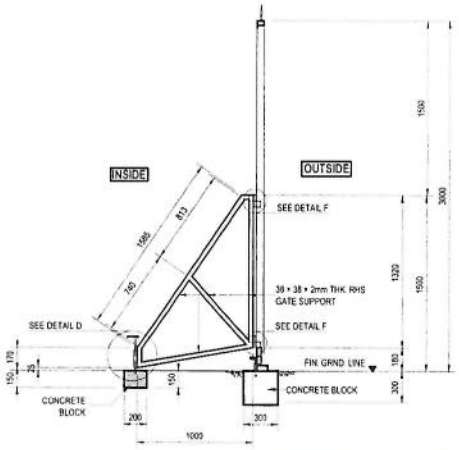



STEEL PLATE THICK = 10mm

TOTAL 4Ø10mm BARS AT CORNERS

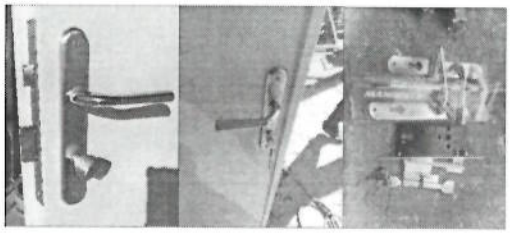
**STEEL PLATE WITH BRACKETS**

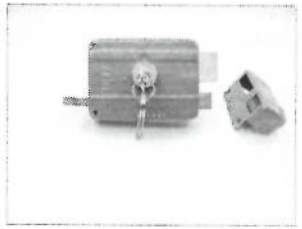
SCALE




**ELEVATION**

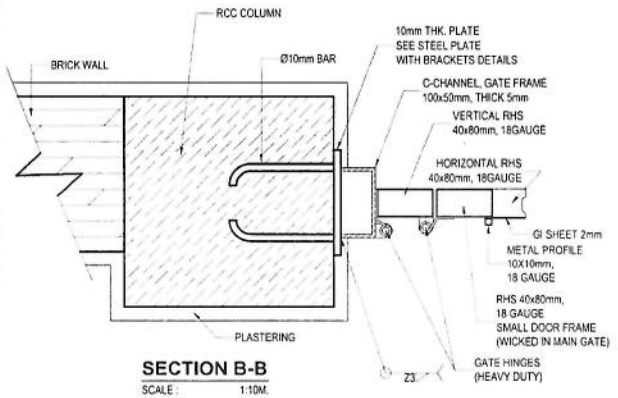
SCALE 1:50M





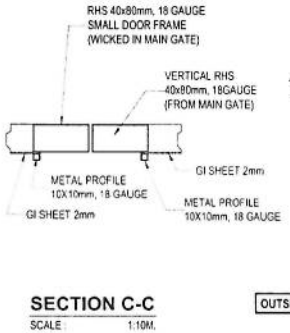
**SMALL DOOR HANDLE AND LOCK PHOTOS**

SCALE : N/A



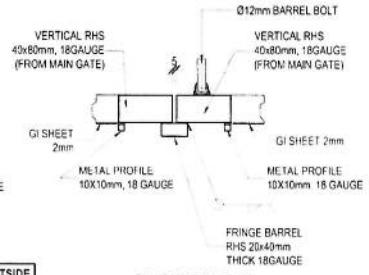

## SECTION B-B

SCALE : 1:10M.



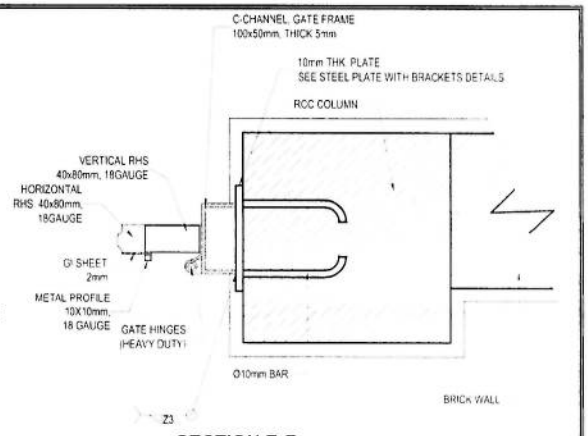

## SECTION C-C

SCALE : 1:10M.



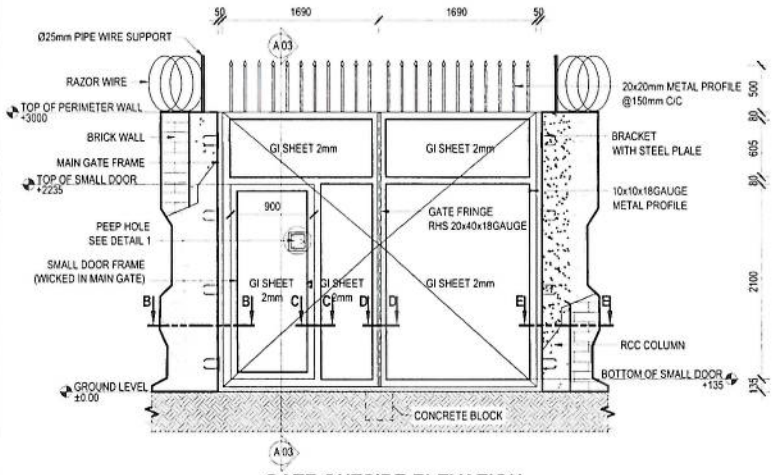

## SECTION D-D

SCALE : 1:10M.



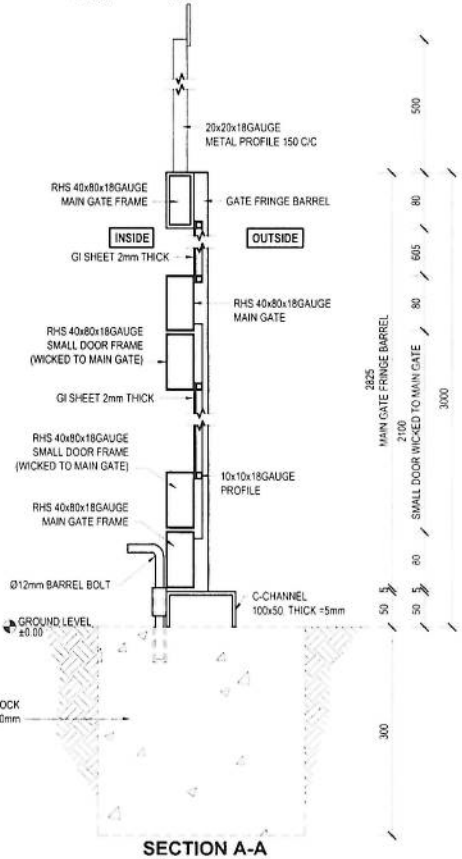

## SECTION E-E

SCALE 1:10M.



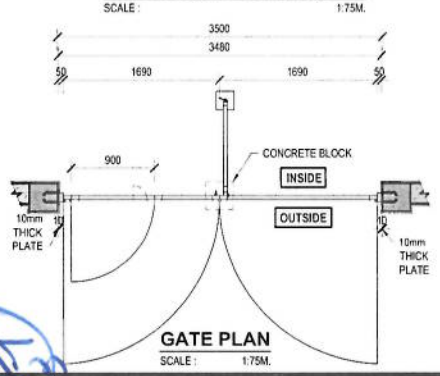

## GATE OUTSIDE ELEVATION

SCALE : 1:75M.



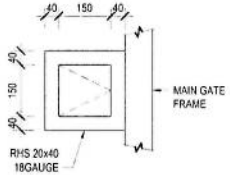

## SECTION A-A

SCALE : 1:10M.




## GATE PLAN

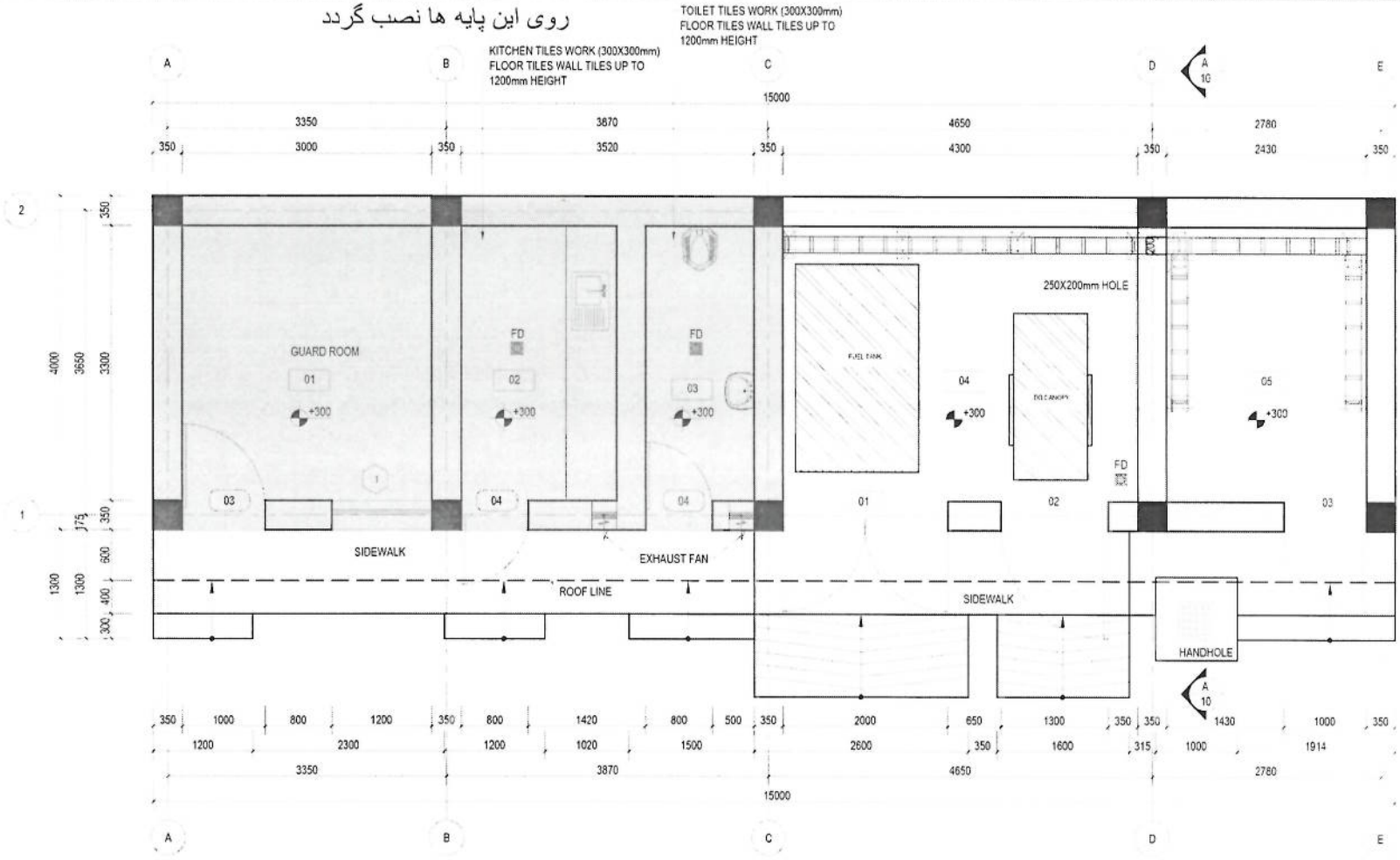
SCALE : 1:75M.




## DETAIL 1

SCALE : 1:20M.

روی این پایه ها نصب گردد




## FLOOR PLAN

SCALE 1:80

NOTE

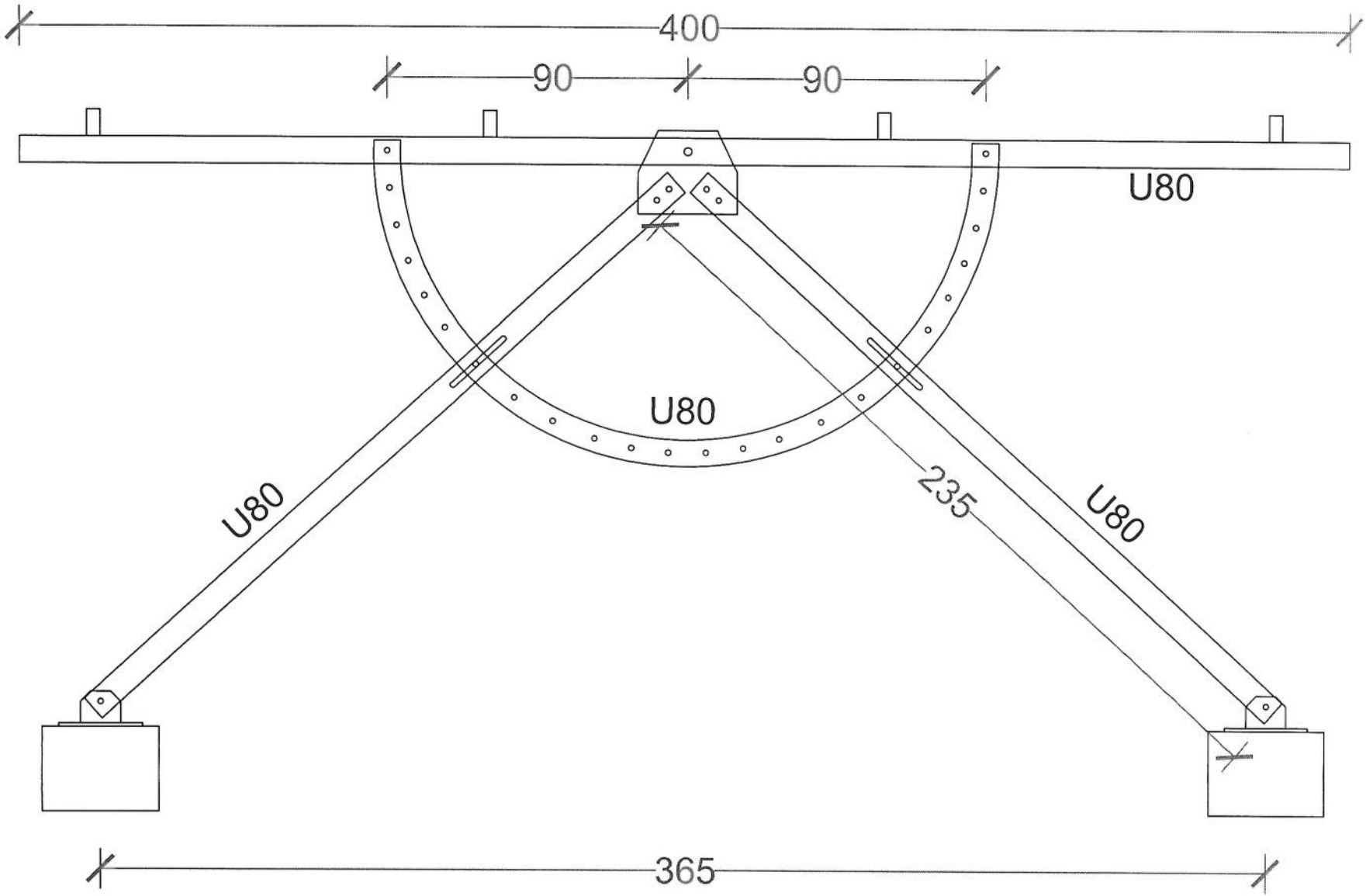
1. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.

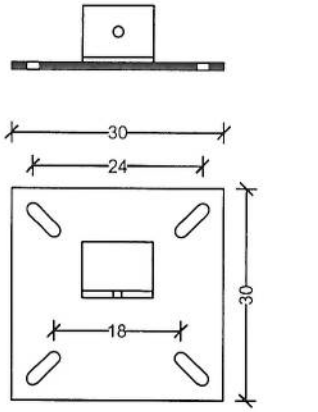
**HATCH LEGEND**

- PLAIN CONCRETE CEMENT
- BRICK WORK
- OVERHEAD STRUCTURE
- REINFORCEMENT COLUMN
- DW DOWN
- FD FLOOR DRAIN
- ELEVATION

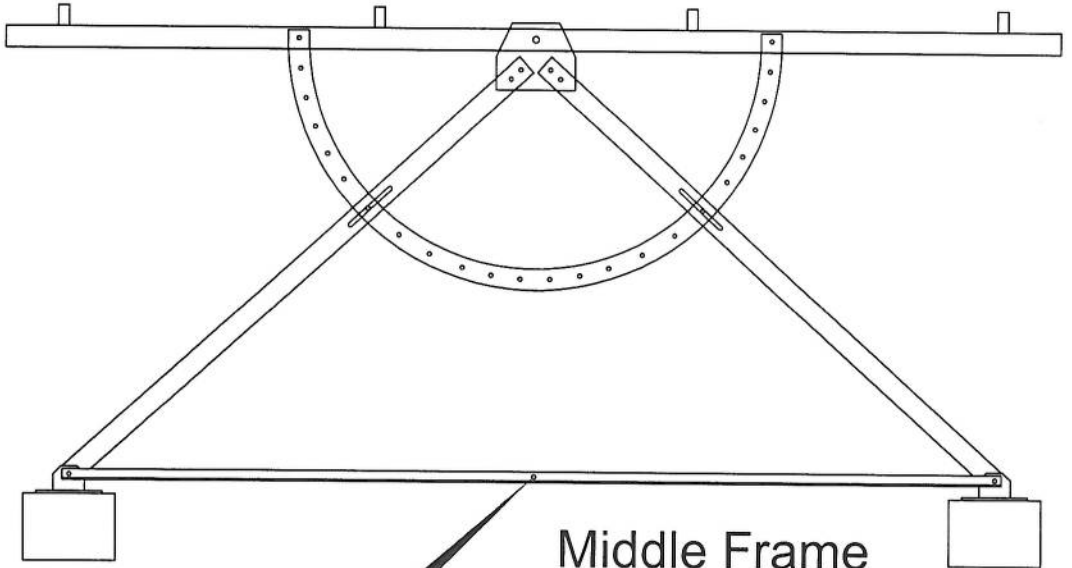
**ROOM LEGEND**

| | |
|---|---|
| 01 | GUARD ROOM |
| 02 | KITCHEN |
| 03 | TOILET |
| 04 | FUEL TANK AND DG ROOM |
| 05 | BATTERIES ROOM |


400
90
90
U80
U80
U80
235
U80
365

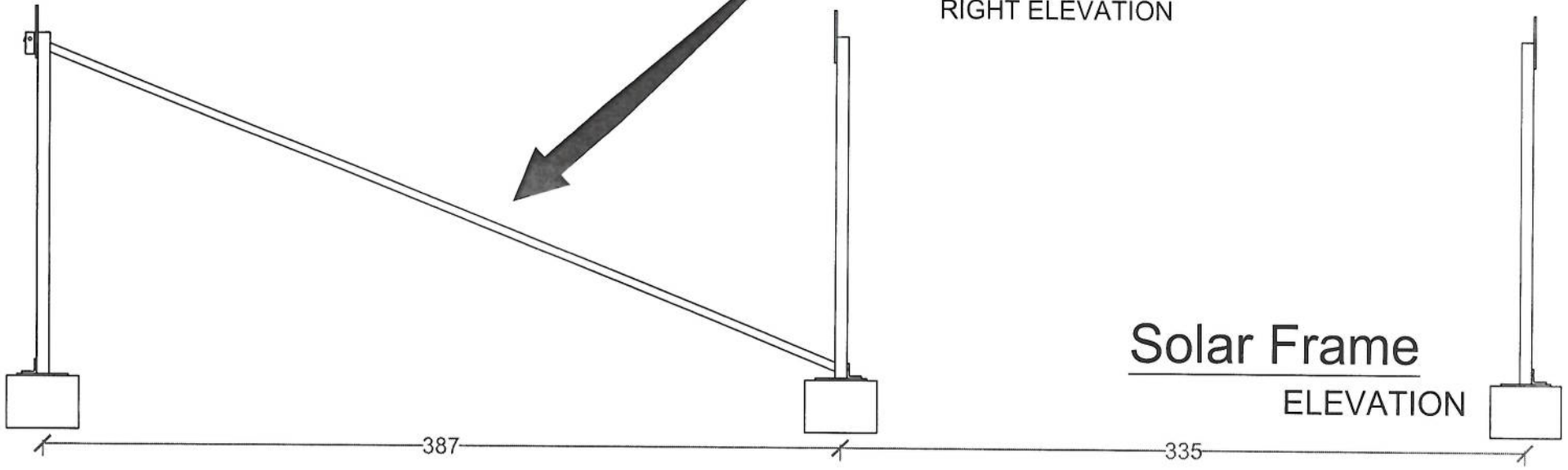



BASE PLATE (30x30)CM



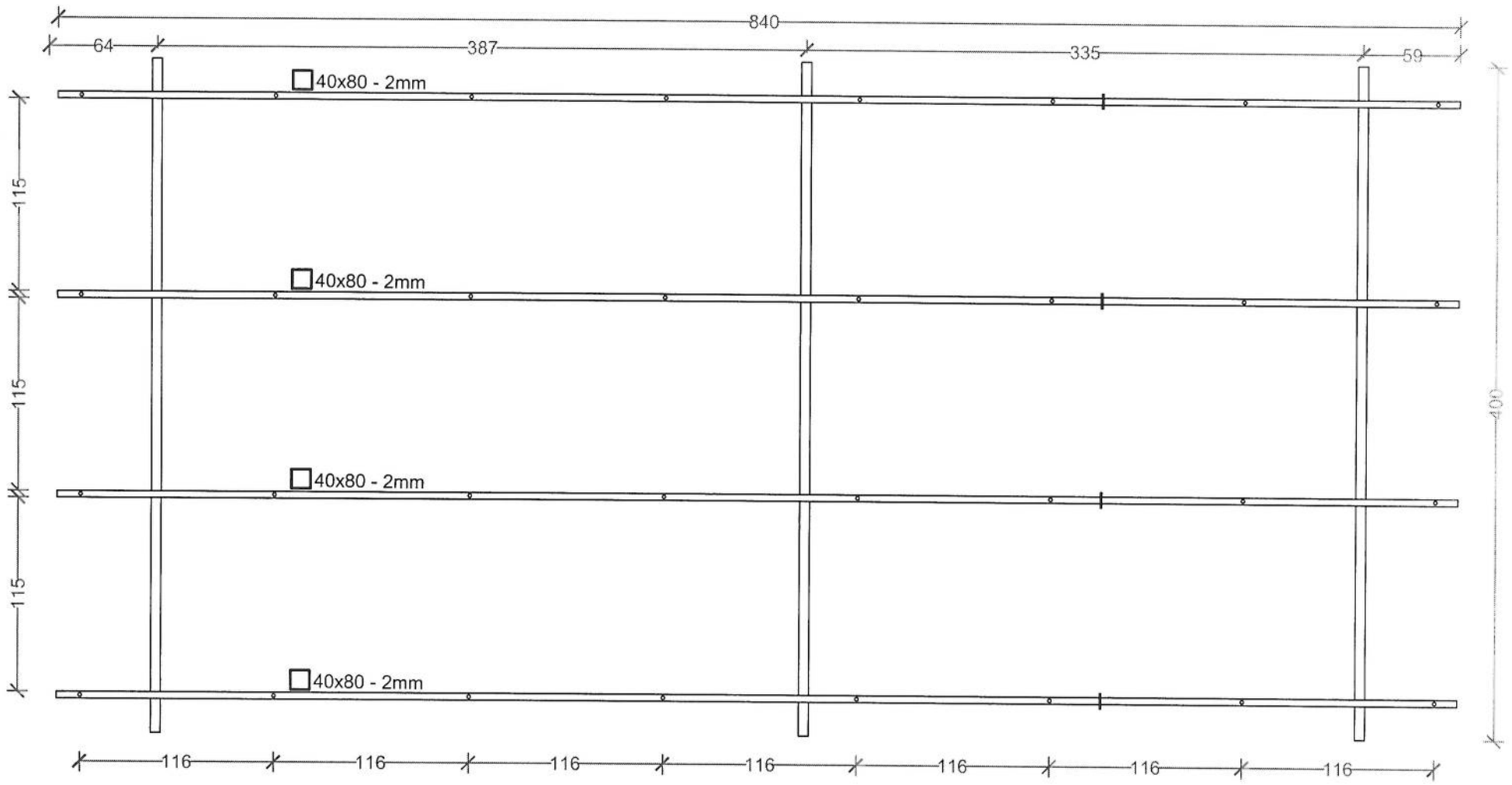
Middle Frame

RIGHT ELEVATION



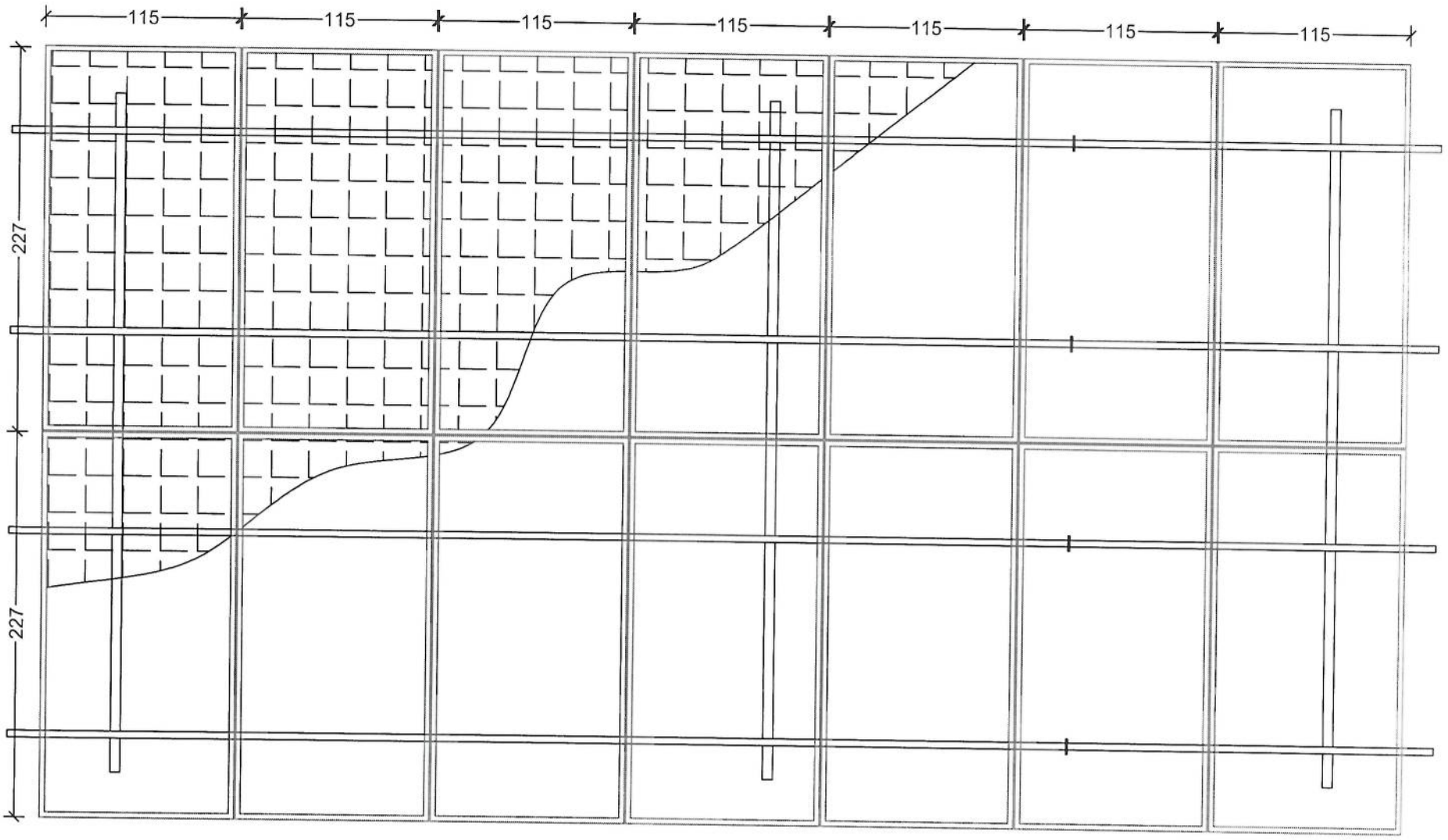

Solar Frame

ELEVATION



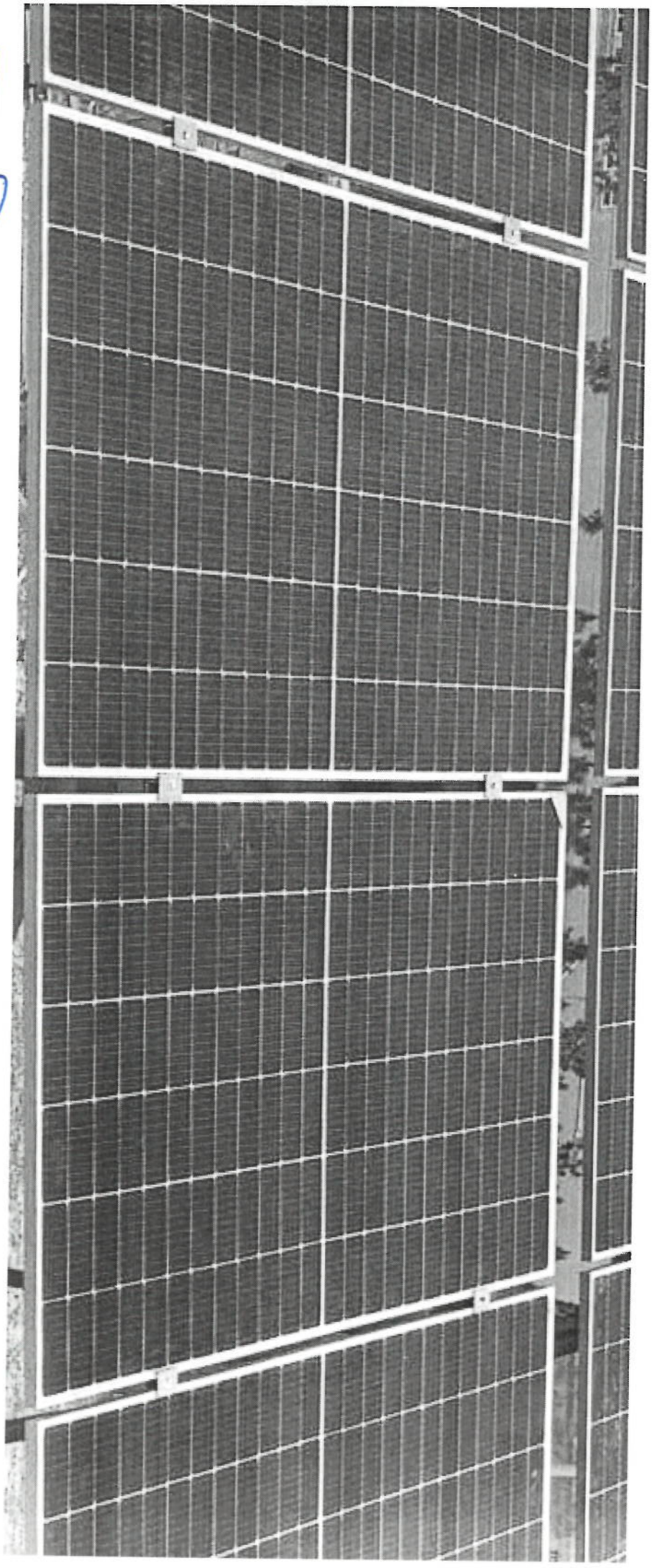

# 14 Plate Solar

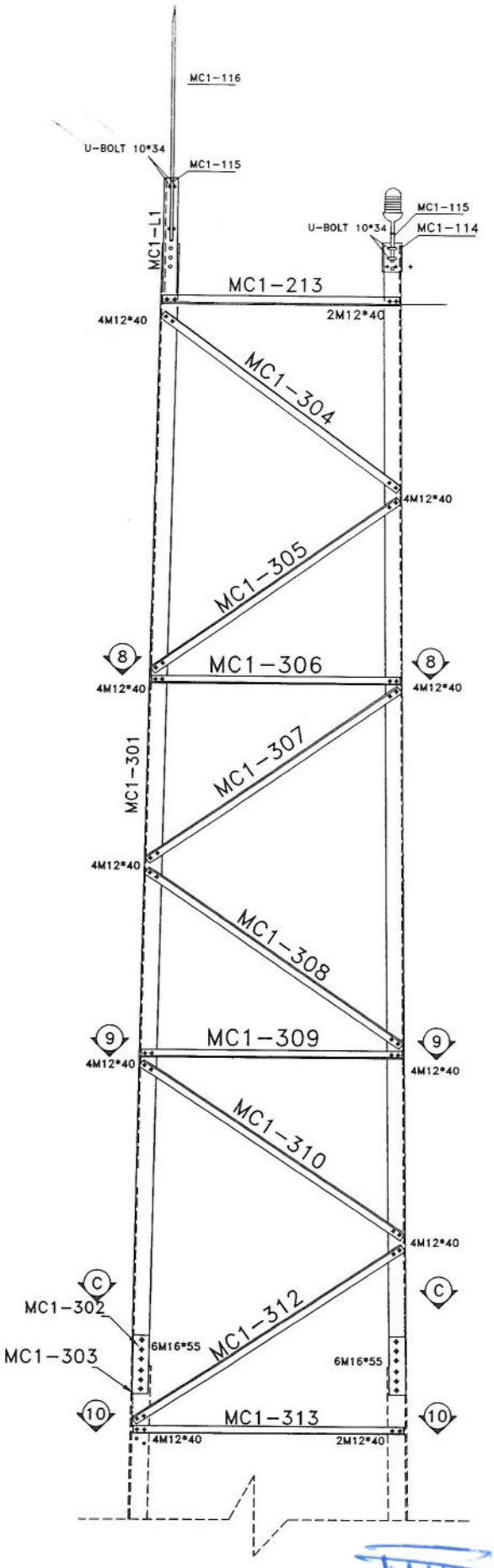
Dimensions (113x227)CM

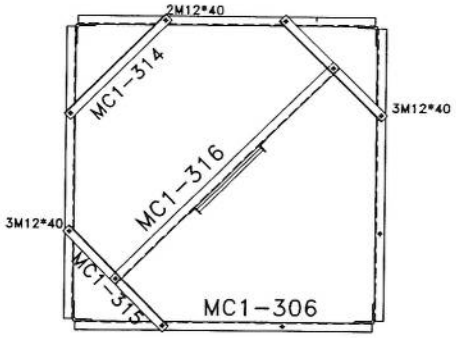



# 14 Plate Solar

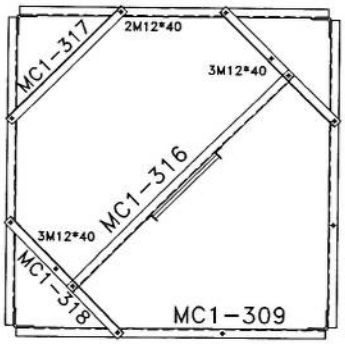
Dimensions (113x227)CM



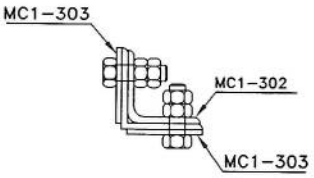


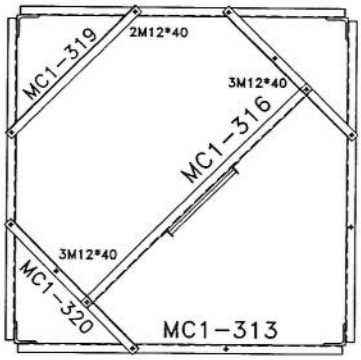

SEC. 8-8




SEC. 9-9




SEC. C-C




SEC. 10-10

| List Of Bolts - PANEL 3 | |
|---|---|
| Specification | Qty |
| M12*40 | 168 |
| M16*55 | 48 |

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/24 | - |

TOWERiST

Client :

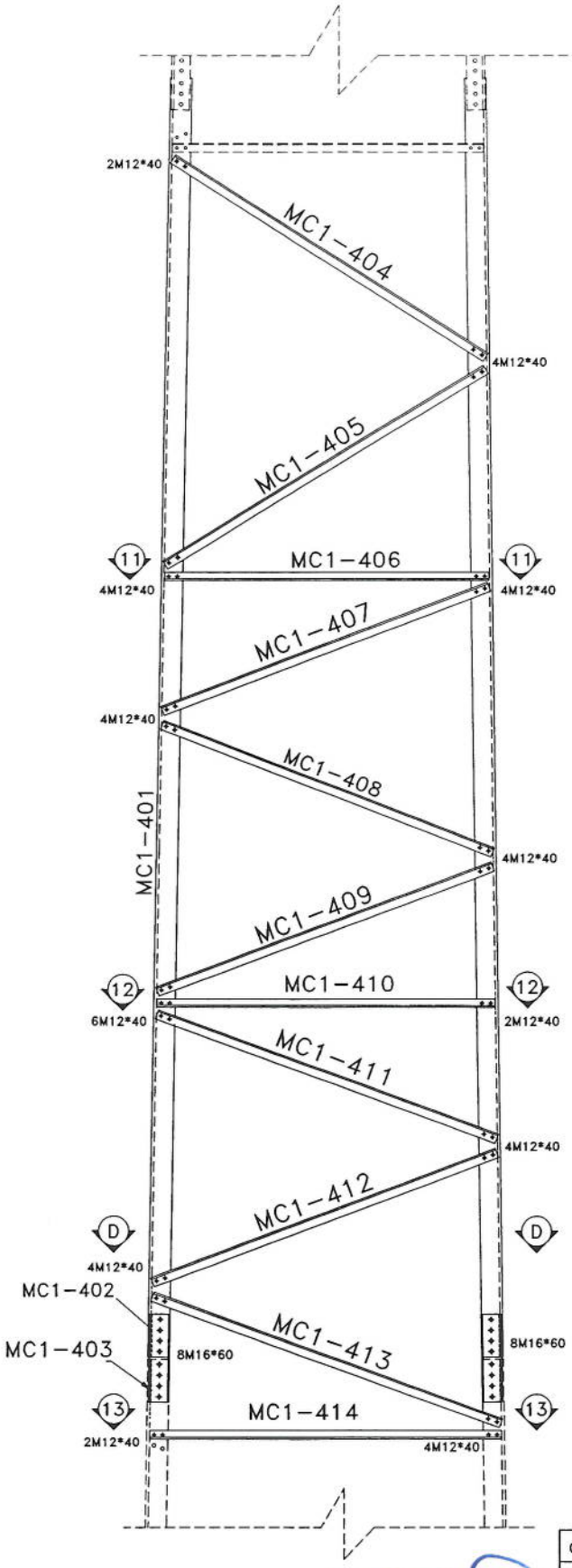
Project : AFGHAN TELECOM

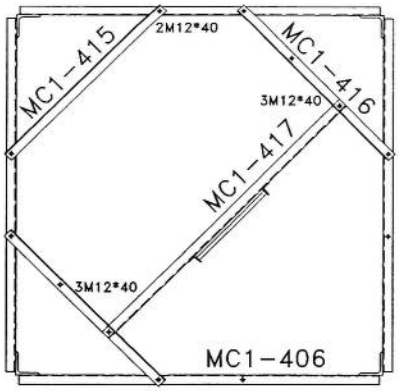
Title : NB TOWER 30m
PANEL 1

Tower Type: TOWER NB

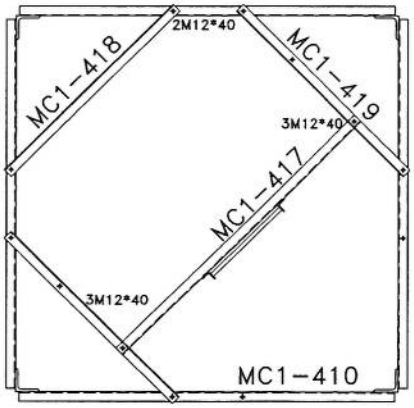
Project No.:

Scale: 1/11 | Ref. No. 00 | Sheet No. 1

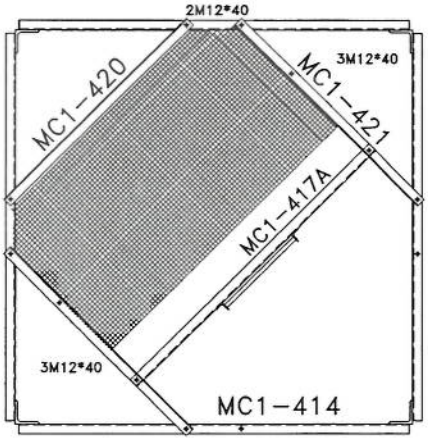



SEC. 11-11

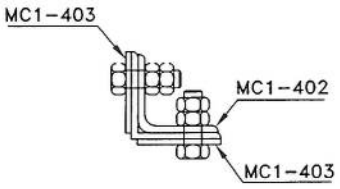



SEC. 12-12




SEC. 13-13

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




SEC. D-D

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 02 | -- | | -- | | | - |
| 01 | -- | | -- | | | - |
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/2024 | - |

TOWERiST

Client :

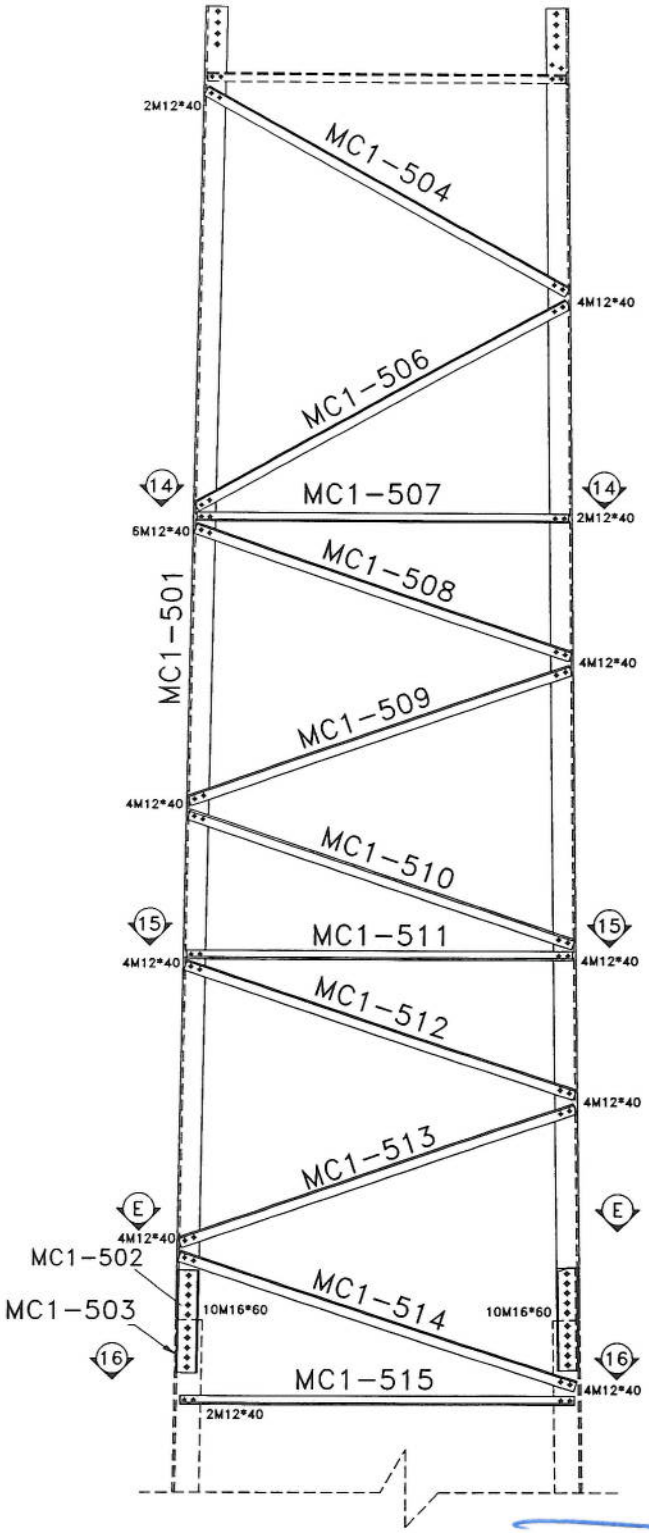
Project : AFGHAN TELECOM

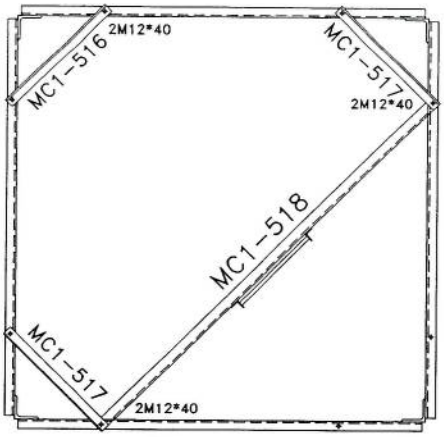
Title : NB TOWER 30m
PANEL 2

Tower Type: TOWER NB

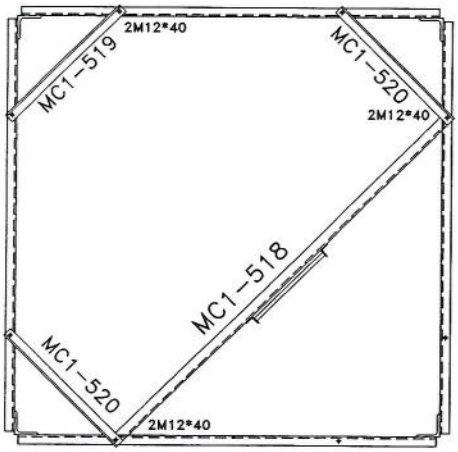
Project No.:

Scale: 1/11 | Ref. No. 00 | Sheet No. 2

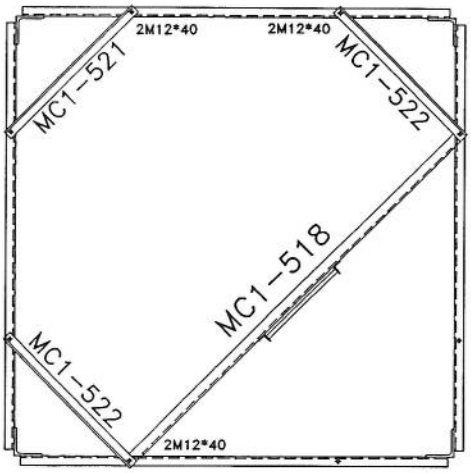


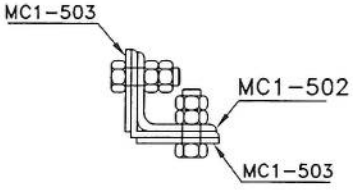

SEC. 14–14




SEC. 15–15




SEC. 16–16




SEC. E–E

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

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 02 | -- | | -- | | | - |
| 01 | -- | | -- | | | - |
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/24 | - |

TOWERIST

Client :

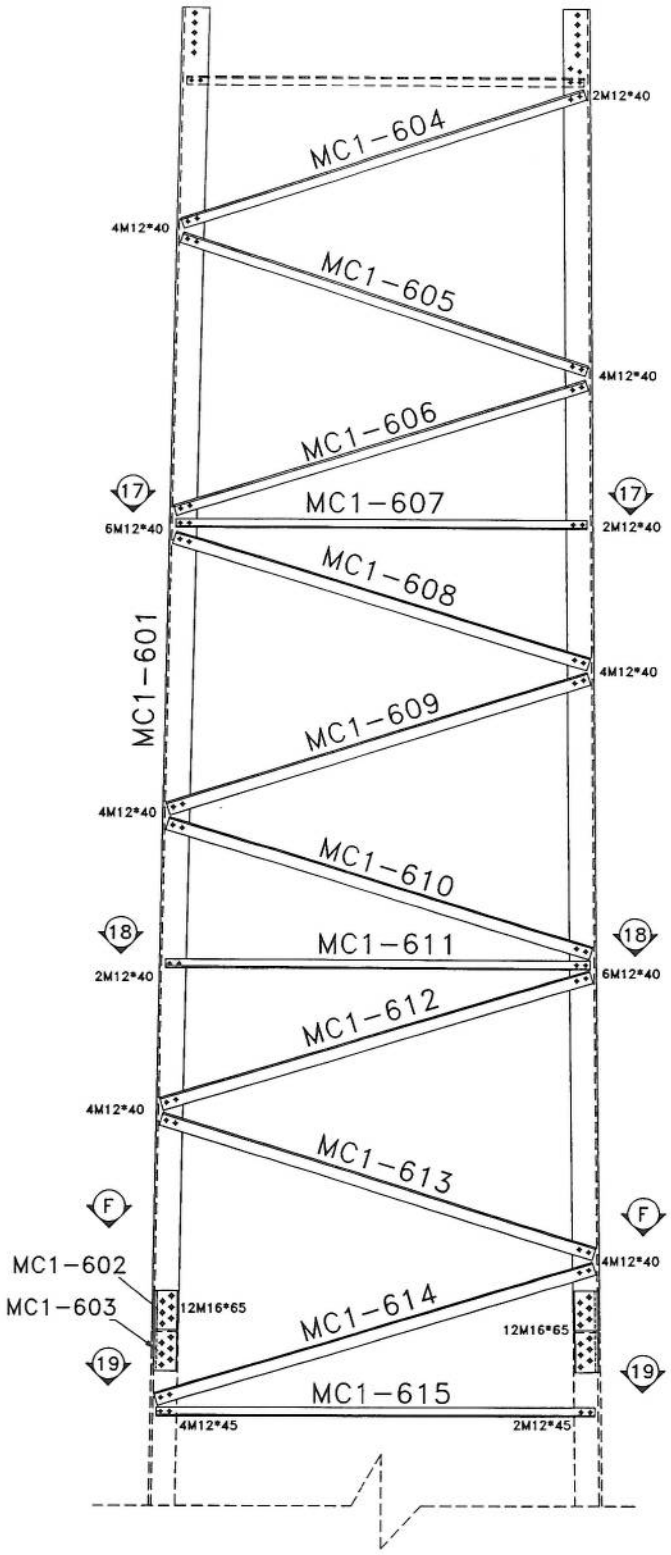
Project : AFGHAN TELECOM

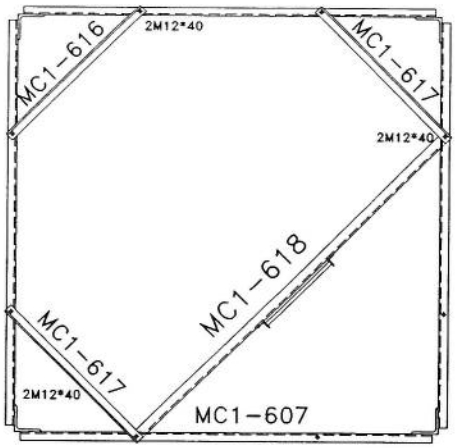
Title : NB TOWER 30M
PANEL 3

Tower Type: TOWER NB

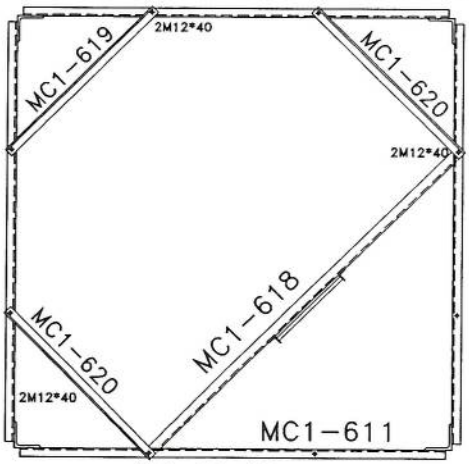
Project No.:

Scale: 1/11 | Ref. No. 00 | Sheet No. 5

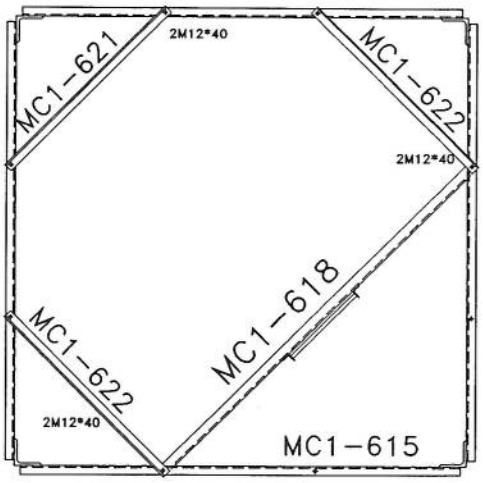



SEC. 17-17

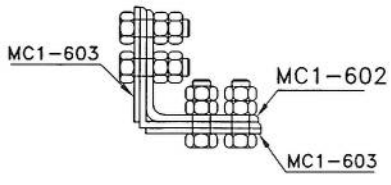



SEC. 18-18




SEC. 19-19

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




SEC. F-F

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 02 | -- | | -- | | | - |
| 01 | -- | | -- | | | - |
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/24 | - |

TOWERiST

Client :

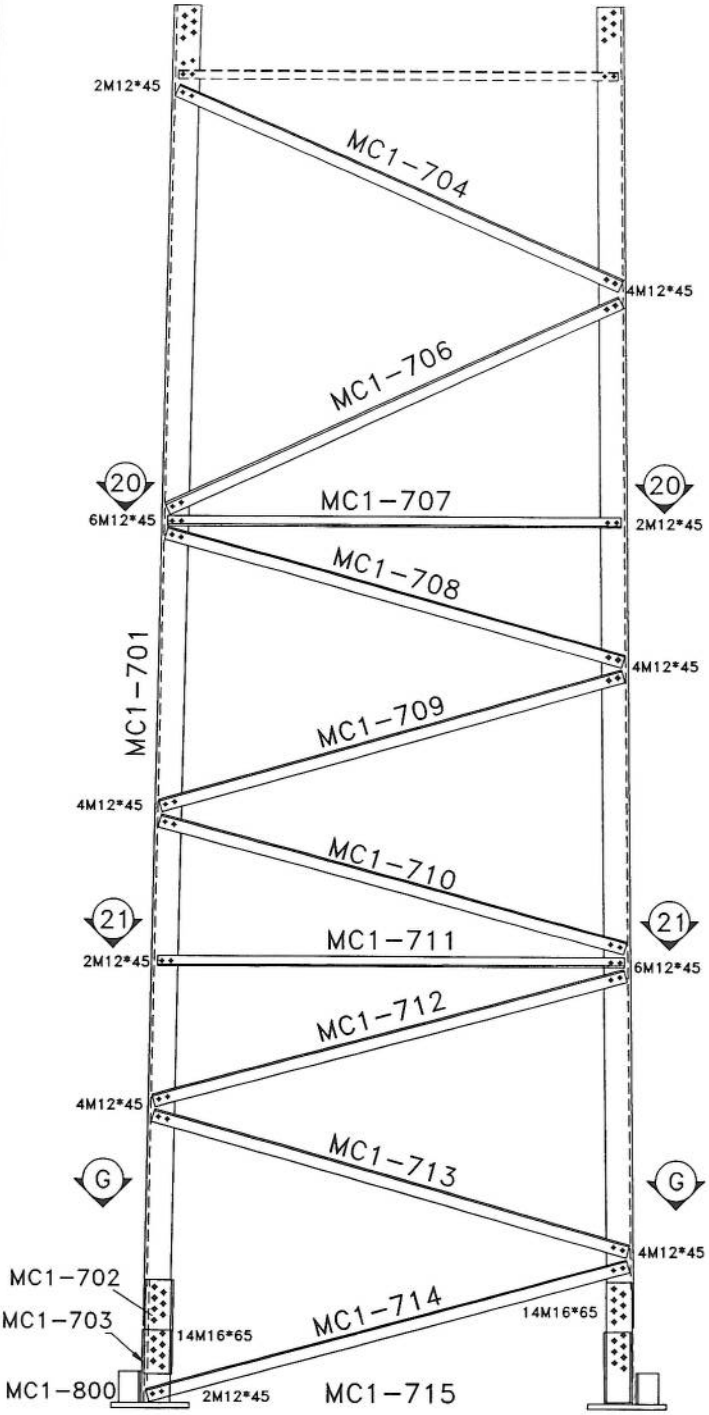
Project : AFGHAN TELECOM

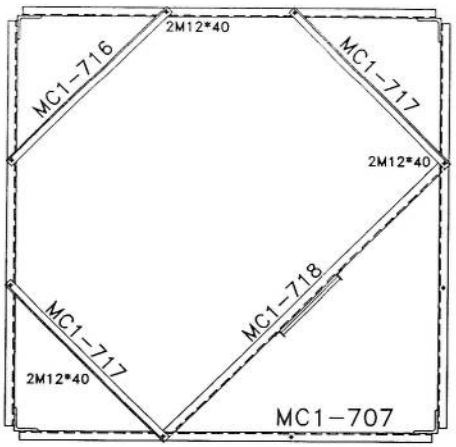
Title : NB TOWER 30M
PANEL 4

Tower Type: TOWER NB

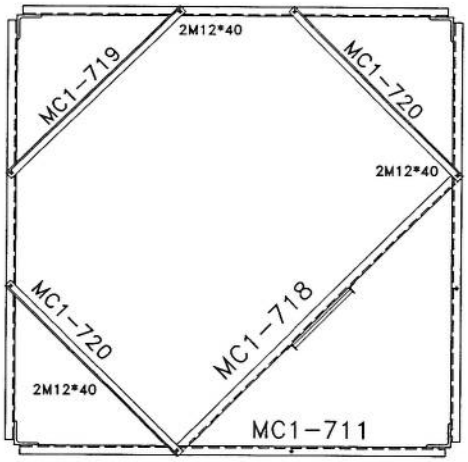
Project No.:

Scale: 1/11 | Ref. No. 00 | Sheet No. 6



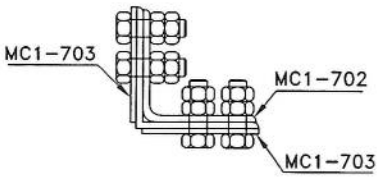




SEC. 20-20




SEC. 21-21

| List Of Bolts - PANEL 7 | |
|---|---|
| Specification | Qty |
| M12*40 | 18 |
| M12*45 | 176 |
| M16*65 | 112 |




SEC. G-G

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 02 | -- | | -- | | | - |
| 01 | -- | | -- | | | - |
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/24 | - |

TOWERiST

Client :

Project : AFGHAN TELECOM

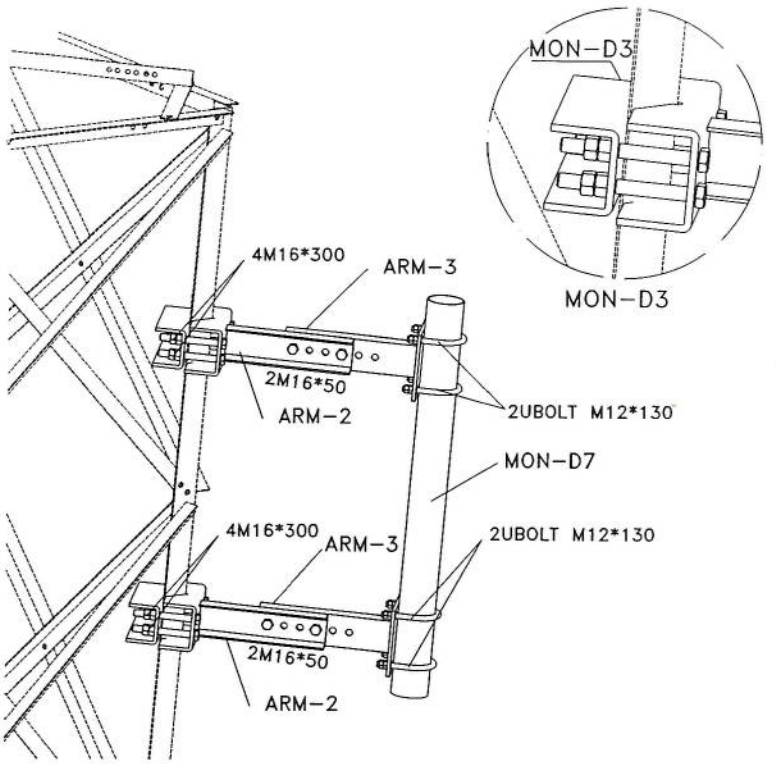
Title : NB TOWER 30M
PANEL 5

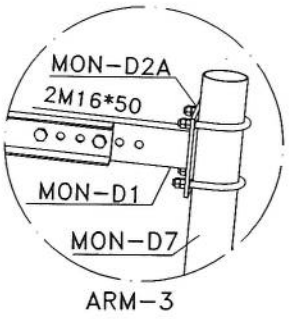
Tower Type: TOWER NB

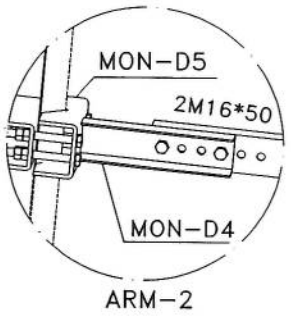
Project No.:

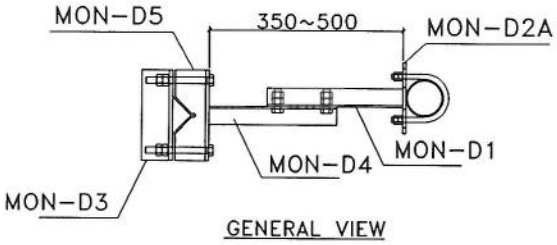
Scale: 1/11 | Ref. No. 00 | Sheet No. 5

| BILL OF MATERIAL MW | | | |
|---|---|---|---|
| ASSEMBLY | POSITION | SIZE | QUANTITY |
| | MON-D3 | PL8 | 2 |
| ARM-3 | MON-D1 | UNP80 | 2 |
| | MON-D2A | PL8 | |
| ARM-2 | MON-D4 | UNP80 | 2 |
| | MON-D5 | PL8 | |
| | MON-D7 | PIPE115*t:3 | 1 |
| BOLT | M16*300 | - | 8 |
| UBOLT | M12*130 | - | 4 |

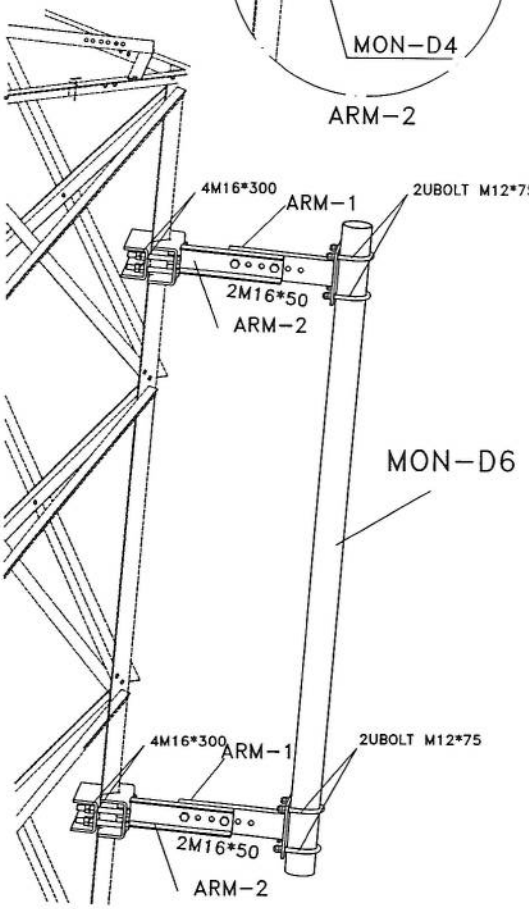


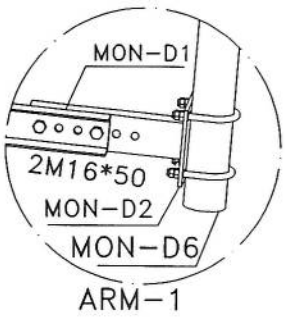



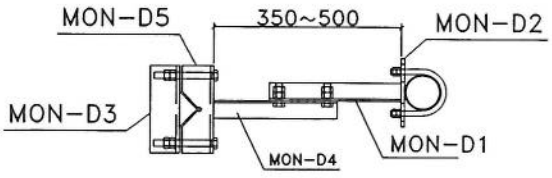




GENERAL VIEW




| BILL OF MATERIAL GSM | | | |
|---|---|---|---|
| ASSEMBLY | POSITION | SIZE | QUANTITY |
| | MON-D3 | PL8 | 2 |
| ARM-1 | MON-D1 | UNP80 | 2 |
| | MON-D2 | PL8 | |
| ARM-2 | MON-D4 | UNP80 | 2 |
| | MON-D5 | PL8 | |
| | MON-D6 | PIPE60*t:3 | 1 |
| BOLT | M16*300 | - | 8 |
| UBOLT | M12*130 | - | 4 |




GENERAL VIEW

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 02 | -- | S.Ghadiri | -- | A.Salahshour | 01/03/11 | - |
| 01 | -- | S.Ghadiri | -- | A.Salahshour | 01/02/24 | - |
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/24 | - |

TOWERiST

Client :

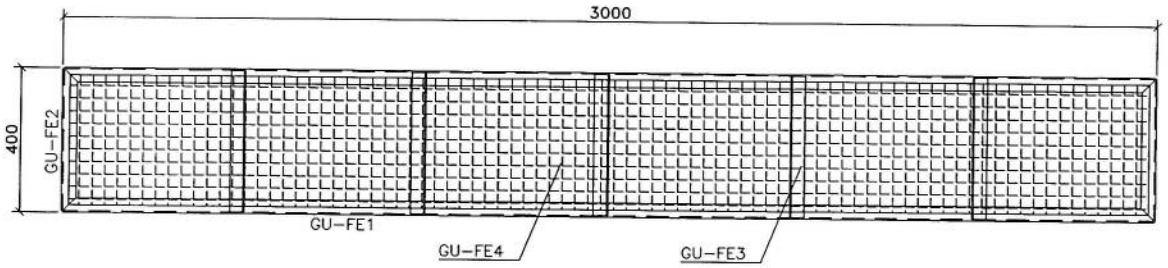
Project : AFGHAN TELECOM

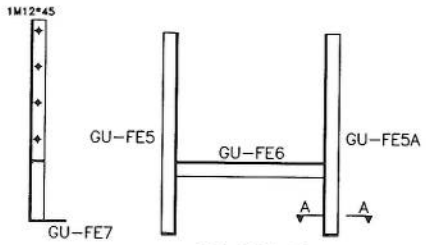
Title : NB TOWER 30M MOUNTING

Tower Type: TOWER NB

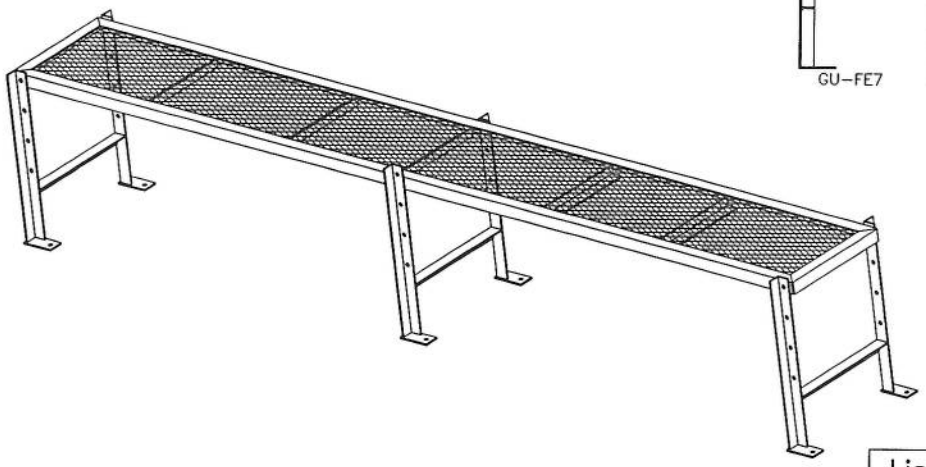
Project No.:

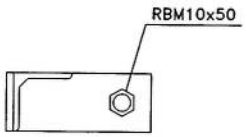
Scale: 1/11 | Ref. No. 00 | Sheet No. 12




FOOTING






SECTION A–A

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

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 02 | -- | S.Ghadiri | -- | A.Salahshour | 01/03/11 | - |
| 01 | -- | S.Ghadiri | -- | A.Salahshour | 01/02/24 | - |
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/24 | - |

TOWERiST

**Client :**

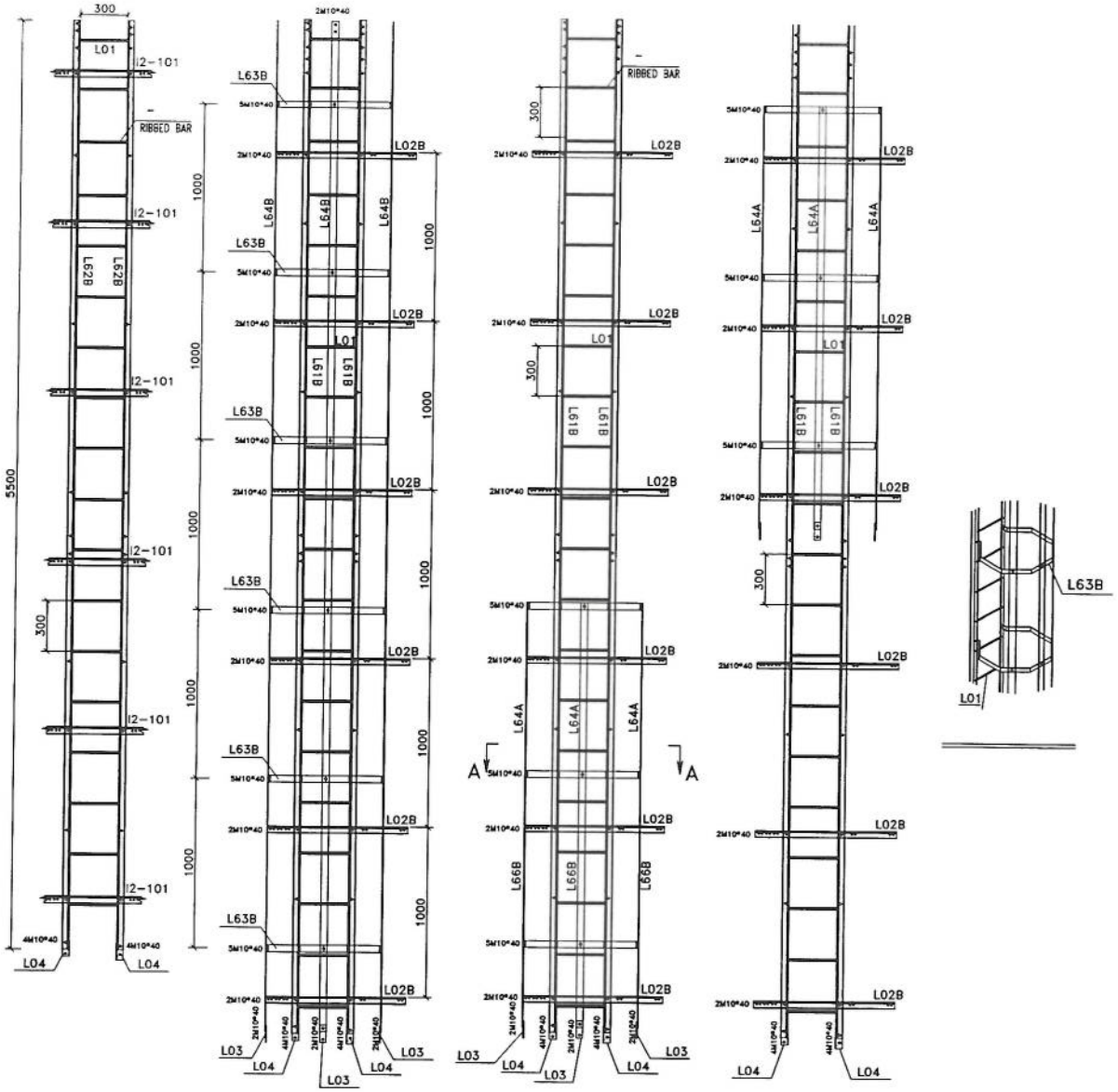
**Project :** **AFGHAN TELECOM**

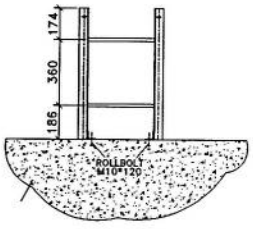
**Title :** **NB TOWER 30M**
**PLATFORM 3m**

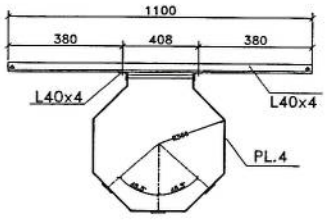
Tower Type: TOWER NB

Project No.:

Scale: 1/11 | Ref. No. 00 | Sheet No. 12




Safty Hoop And Rack Feeder

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

| Rev. | Design | Drawn | Checked | Approved | Date | Description |
|---|---|---|---|---|---|---|
| 02 | -- | | -- | | | – |
| 01 | -- | | -- | | | – |
| 00 | -- | S.Ghadiri | -- | A.Salahshour | 10/13/24 | – |

TOWERiST

Client :

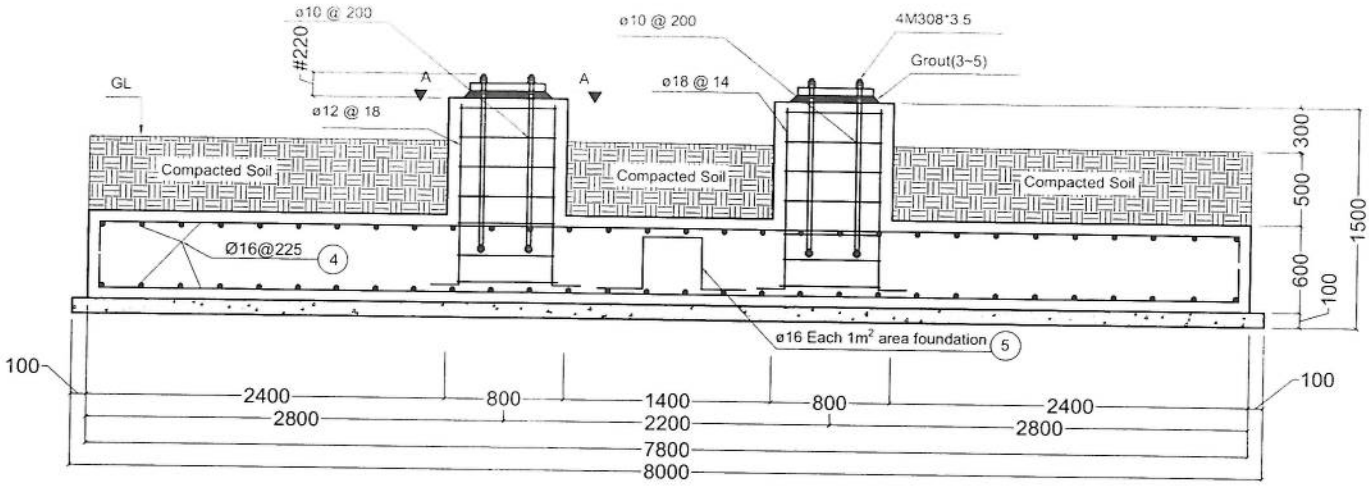
Project : AFGHAN TELECOM

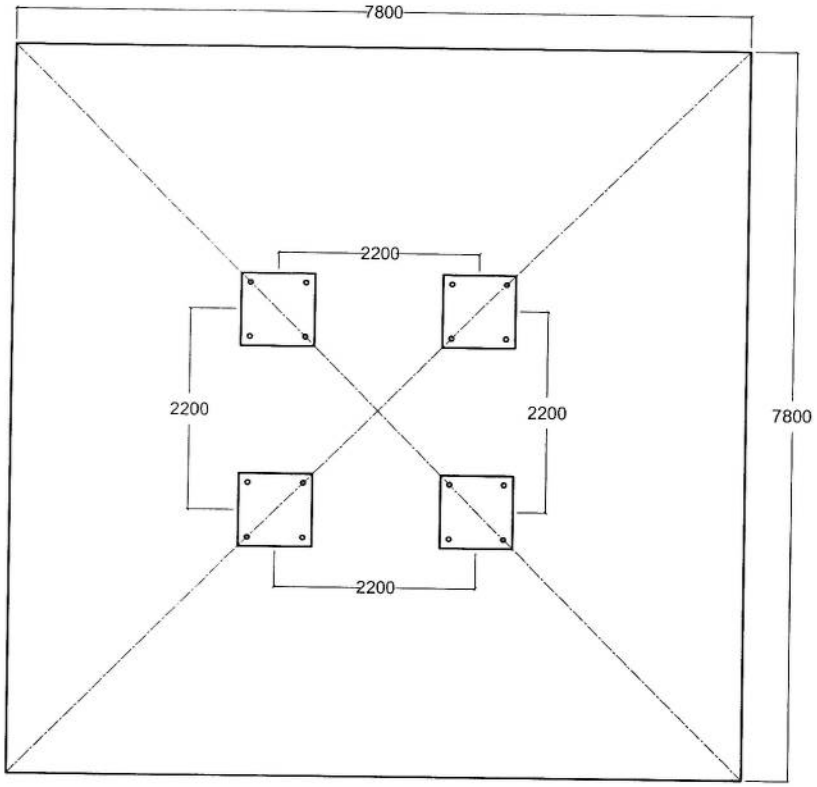
Title : NB TOWER 30M
LADDER

Tower Type: TOWER NB

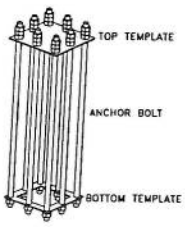
Project No.:

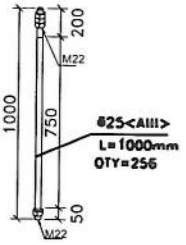
Scale: 1/11 | Ref. No. 00 | Sheet No. 10

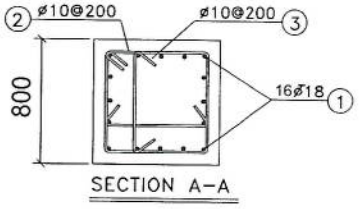



Notes:
1.All Diminutions are in mm.
2.F'c of concrete = 250 kg/cm$^2$.
3.Fy of longitudinal Bars = 4000 kg/cm$^2$.
4. Cover = 7.5 cm.
5.Soil Allowable Stress = 1.5~2 kg/Cm$^2$.
6.Concrete to be poured max in tow stages.
7.Concrete to confirm the specification.



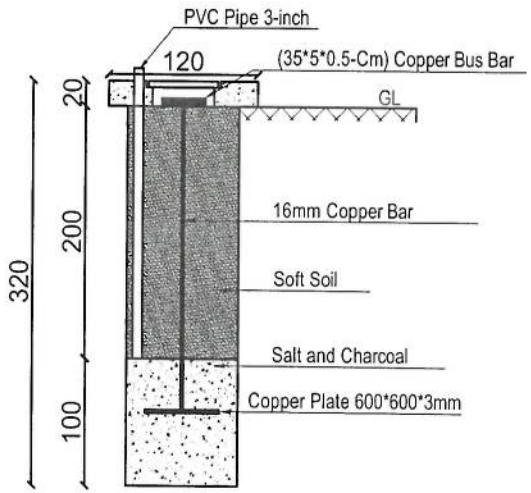

## Bill of Material

| Pos | Shape | Dia(mm) | Length(m) | Quantity | Total Length(m) | Total Weight |
|---|---|---|---|---|---|---|
| 1 | 1250, 250 | 18 | 1.50 | 64 | 96 | 192 |
| 2 | 650, 100 | 10 | 2.8 | 28 | 79.00 | 49 |
| 3 | 100, 650, 100 | 10 | 0.85 | 56 | 48.00 | 30 |
| 4 | 250, 7650, 250 | 16 | 8.15 | 140 | 1203 | 1741 |
| 5 | 400 (450, 450, 450, 450) | 16 | 2.20 | 59 | 130 | 204 |
| Concrete Volume :38.55 m$^3$ | | | | Total Weight = 2216 kg | | |




Plan of well-depth-3m




Detail-A
Well Section

| 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 | Grouding system- well plan & section

23 | REF. A101 SCALE: 1:75

REVISION RECORDS
ثبت تعدیلات

| REVISION NO شماره تعدیل | DATE تاریخ | DESCRIPTION تشریحات |
|---|---|---|
| | | |

LEGEND: علایم:

PCC

PROJECT TITLE / NO:
GSM SITES
عنوان پروژه:
سایت های جی اس ام

DRAWING TITLE:
30m Tower Grounding System
سیستم ارتینگ برای تاور سی متره

DRAWN BY: ترسیم:
CIVIL TEAM

CHECKED BY: کنترول:

APPROVED BY: منظوری:

SCALE: 1:75 مقیاس:

ACTUAL DATE: 14 /05/ 2025

ISSUE DATE:

DRG.NO: 23

OWNER: مالک پروژه:
AFGHAN TELECOM

سلام | Salaam Telecomunication Company
KABUL
AFGHANISTAN