Site ID	LOG-040		2403/4/9			2404/4/9	
New Lat	34.08646	New long	69.23863				
site Location Name	borg		District	Mohammad Agha		Province	logar
TX connectivity data	Front Site ID	LOG-010/ 39	New Repeater needed?		NO		
Type of Property	Private?	Private	Gov?		NA?		
Primary agreement with owner done?							
Property owner contact							
Contract Agreement Negotiated?		yes:		No:		Ongoing:	
Site type	RT:	GF:					
Land type	Desert level	Hill	Mountinouse	City	Rural	Rocky	
		Hill					
Access Road available	Yes:		No:NO Needed				
Access road needed	Length "m": NO		Width "m":NO		معلومات درمورد نوعیت سرک سخره یا خاکی بودن آن را درقسمت نظریات درج کنید		
Needed tower type	GF	G.F	GM		RT		
Needed tower hieght		30M					
Boundary wall needed							
Boundary wall length	yes						
Guardroom needed	yes						
Toilet/Washroom	yes						
Wall Fence needed	yes						

Comments about access road

Location photo record	General view		Panaromic (45°) 8 photos	Access road Direction

Surveyer details(name contact...etc

مولوی صاحب مطیع الله عابد ریس مخابرات	771252008
اجنیر منیراحمد عزیزی مسول ولایتی اترا	777666332
عتیق الله نیازی مسول TX ولایت لوگر	744416817

General Comments:

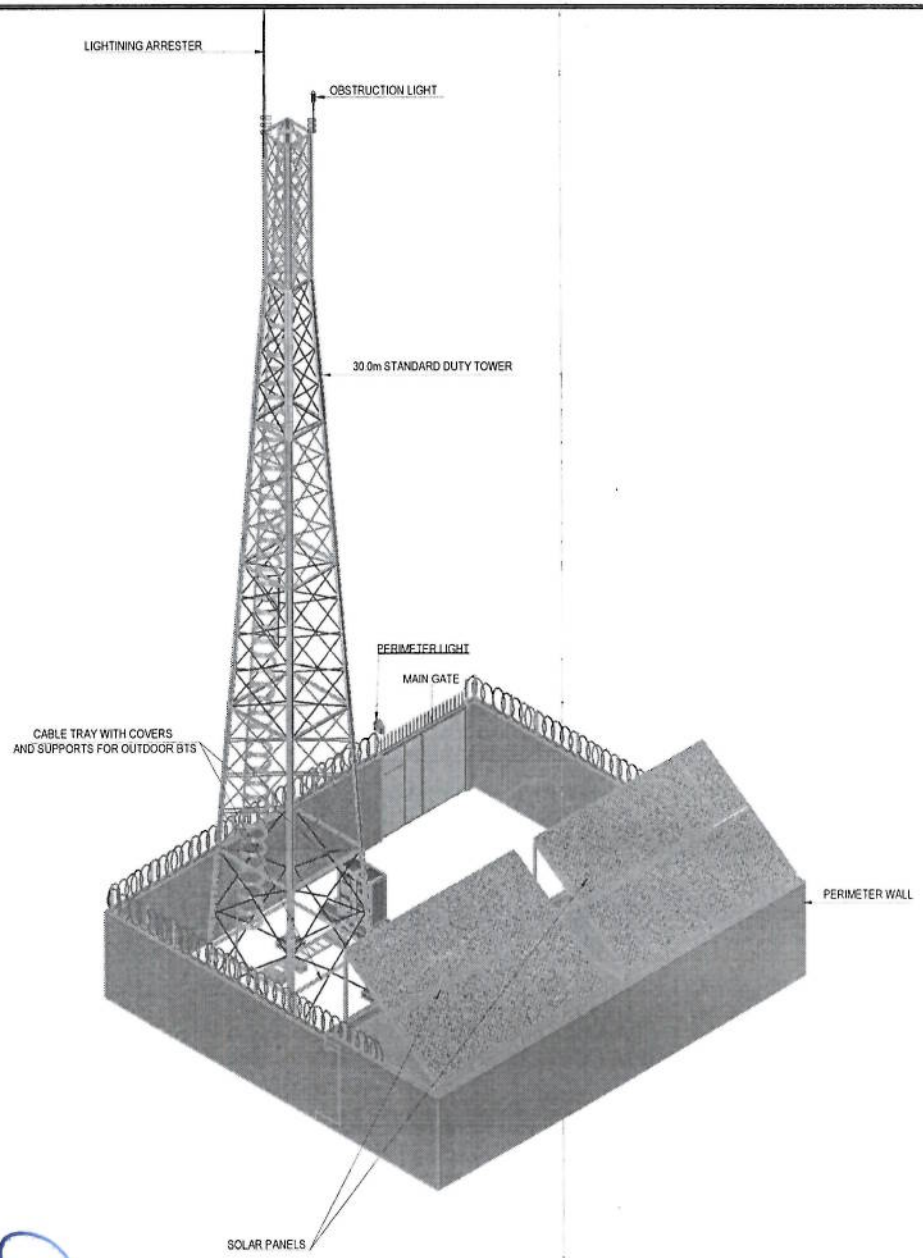
Hamid

TDF-L3

TSSR-Received 15 Nov 2025

STANDARD DRAWING

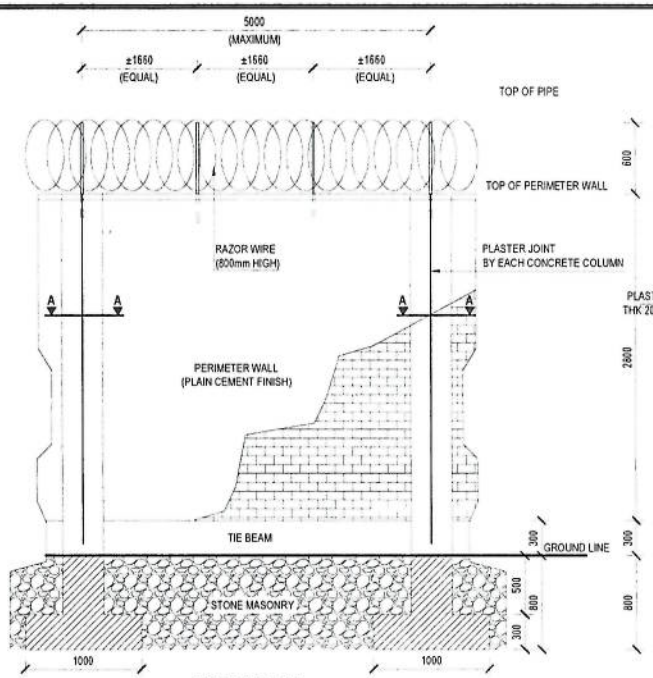
DETAILED DESIGN DRAWING



PERSPECTIVE

SCALE : NTS

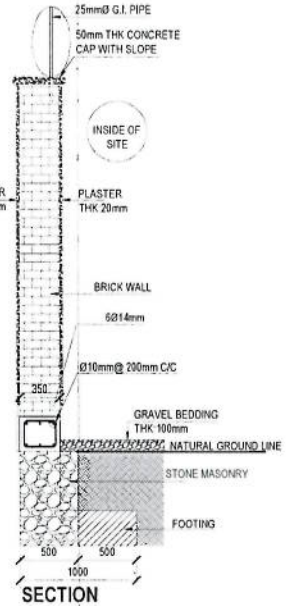
TOWER HEIGHT: 30.0m. SD TOWER



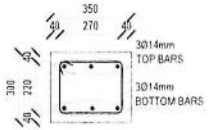
ELEVATION

PERIMTER WALL DETAIL

SCALE 1:60M



SECTION



TB DETAIL

SCALE 1:30M

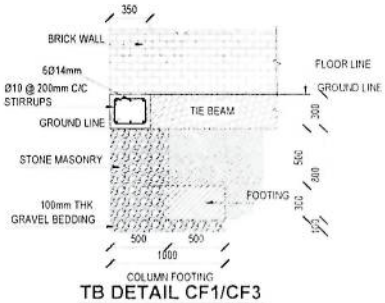
USE Ø10mm STIRRUPS
SPACED @ 200mm C/C

SECTION A-A

SCALE 1:50

PERIMETER LIGHT

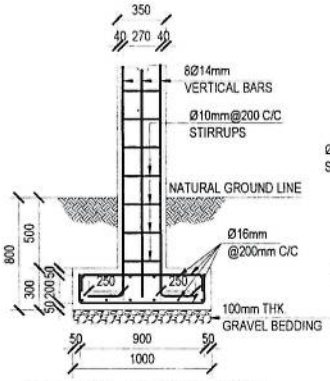
SCALE 1:60M



COLUMN FOOTING

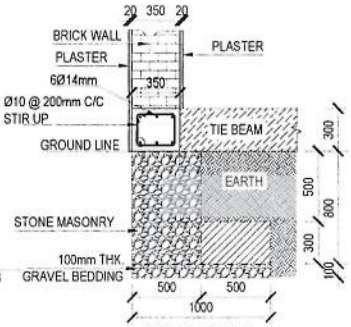
TB DETAIL CF1/CF3

SCALE 1:60M



TYPICAL ELEVATION

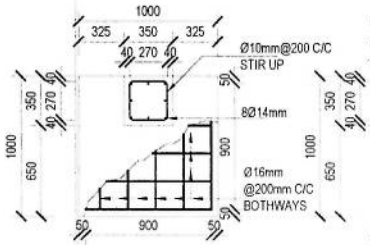
SCALE : 1:60M.



COLUMN FOOTING

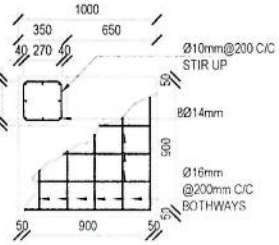
TB DETAIL CF2

SCALE : 1:60M.



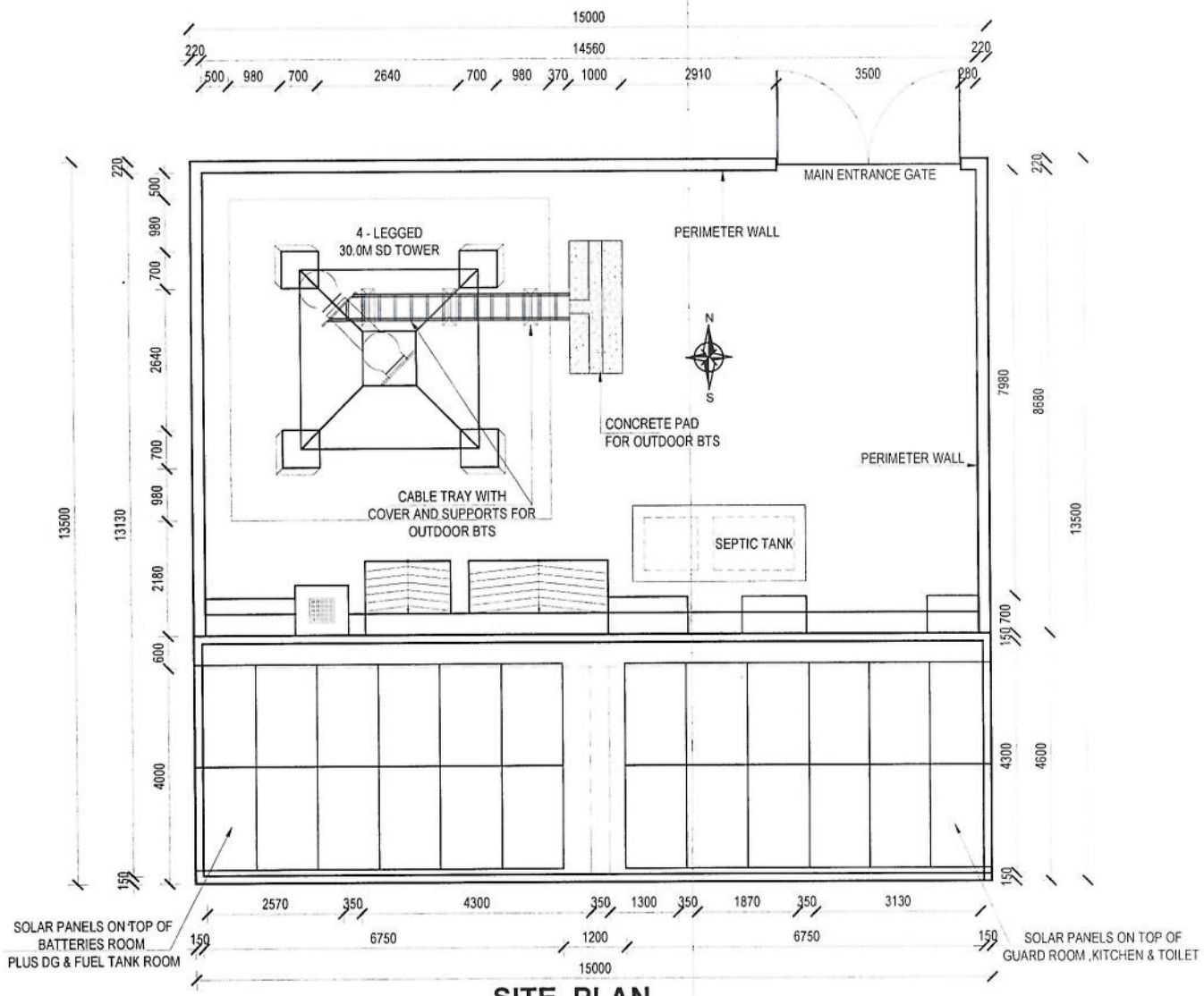
CF1 PLAN

SCALE : 1:60M.



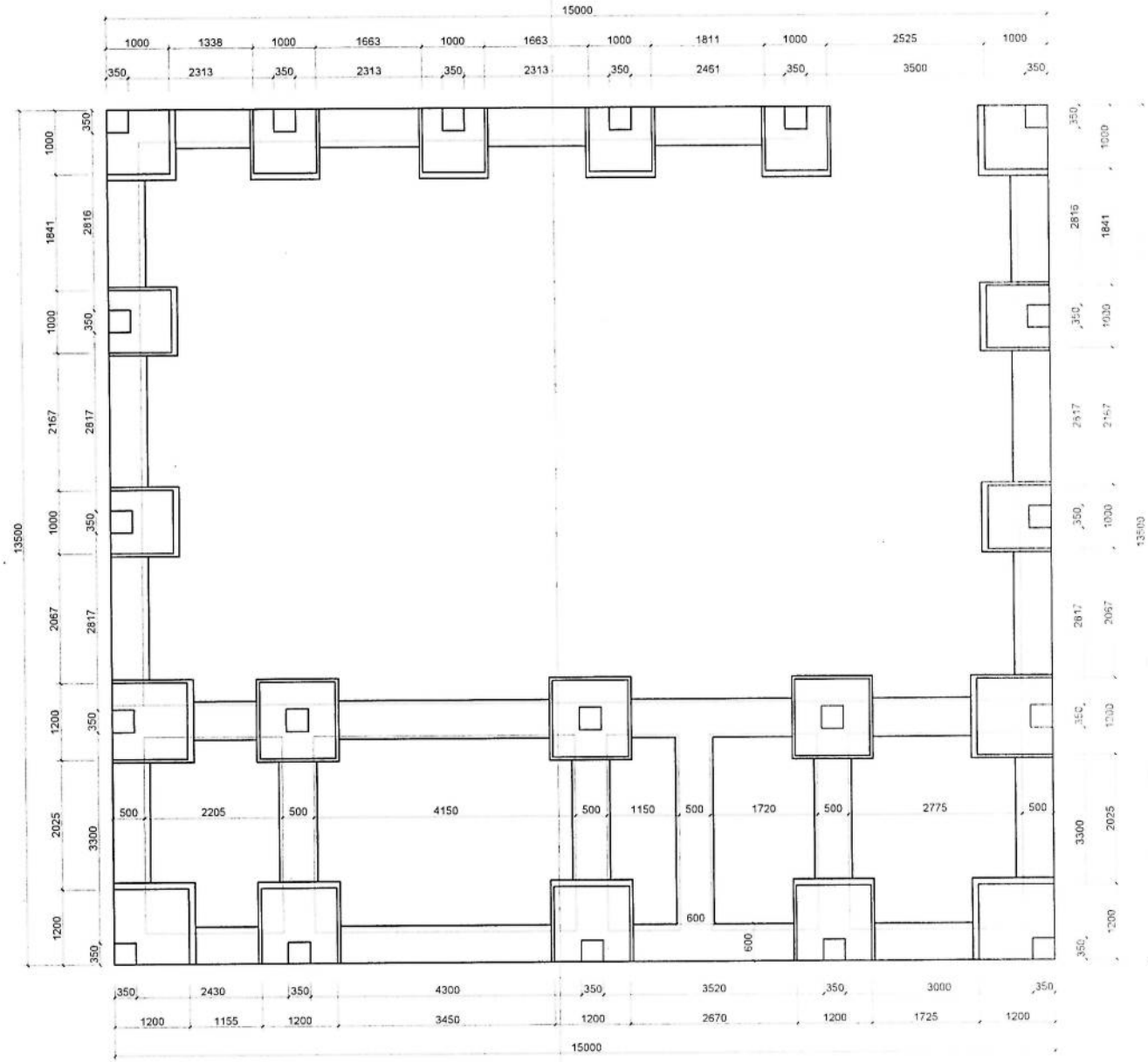
CF2 PLAN

SCALE : 1:60M.



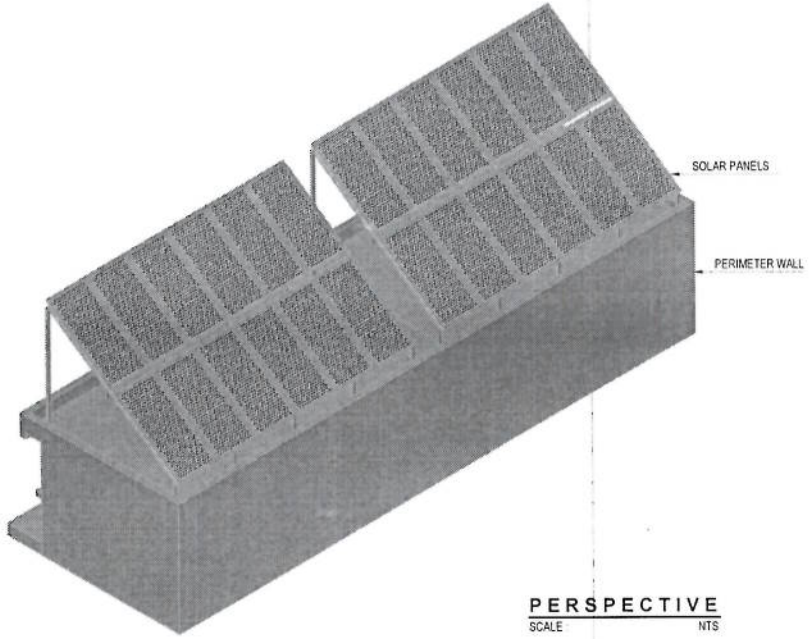
SITE PLAN

SCALE : 1:150M.



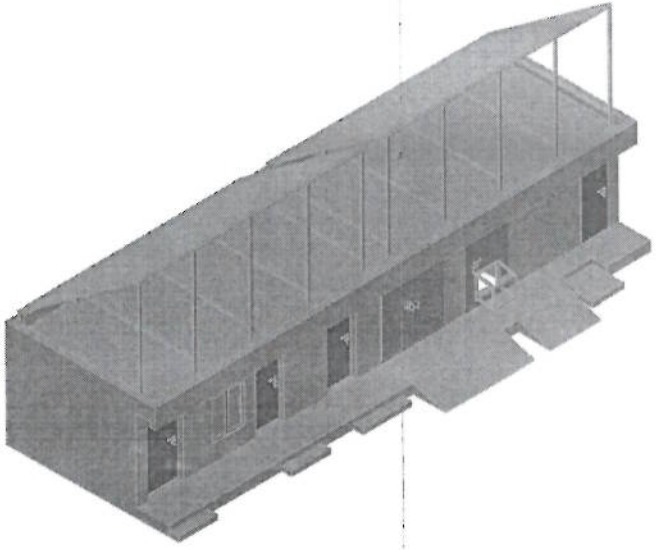
FOUNDATION PLAN

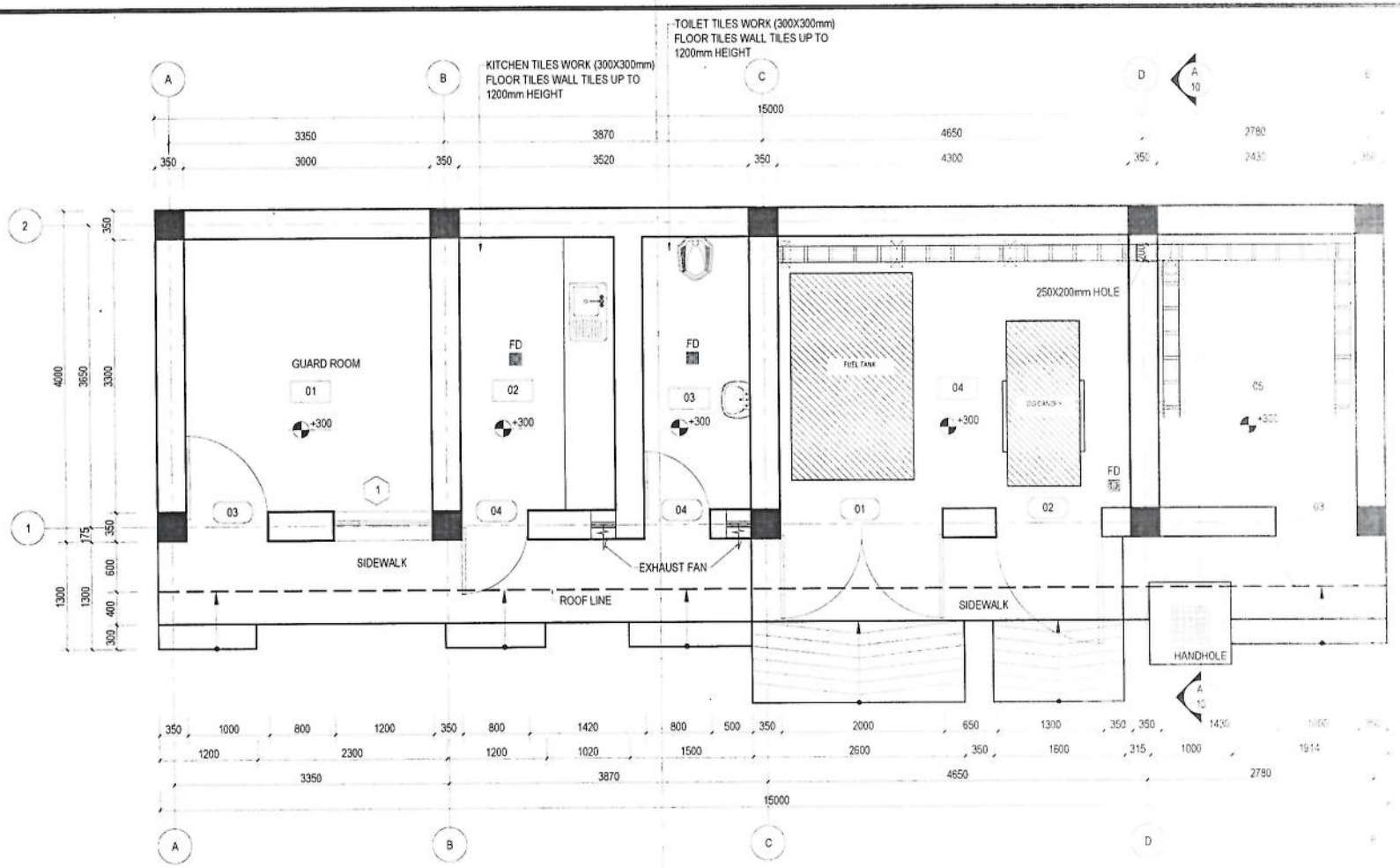
SCALE: 1:125



PERSPECTIVE

SCALE NTS





FLOOR PLAN

SCALE : 1:80

NOTE

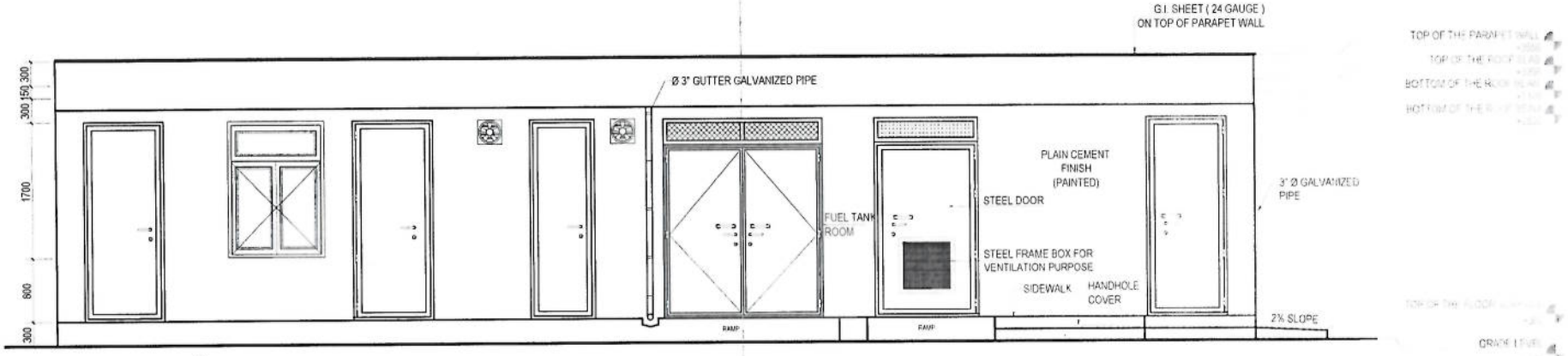
1. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.

HATCH LEGEND

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

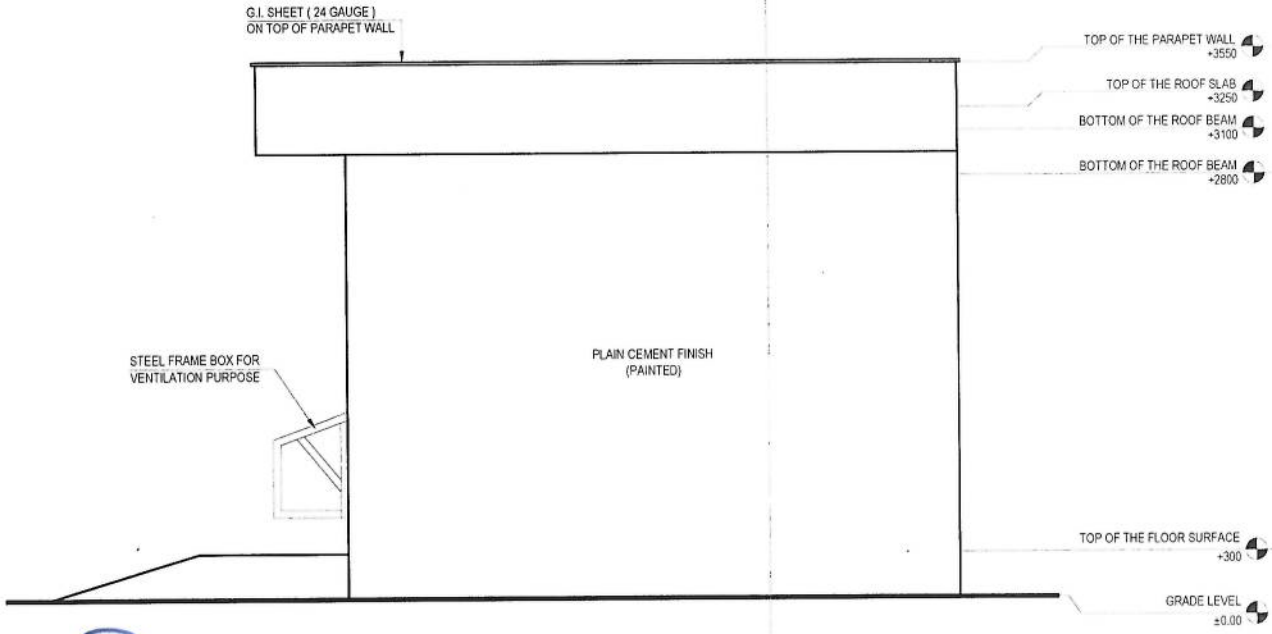
ROOM LEGEND

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



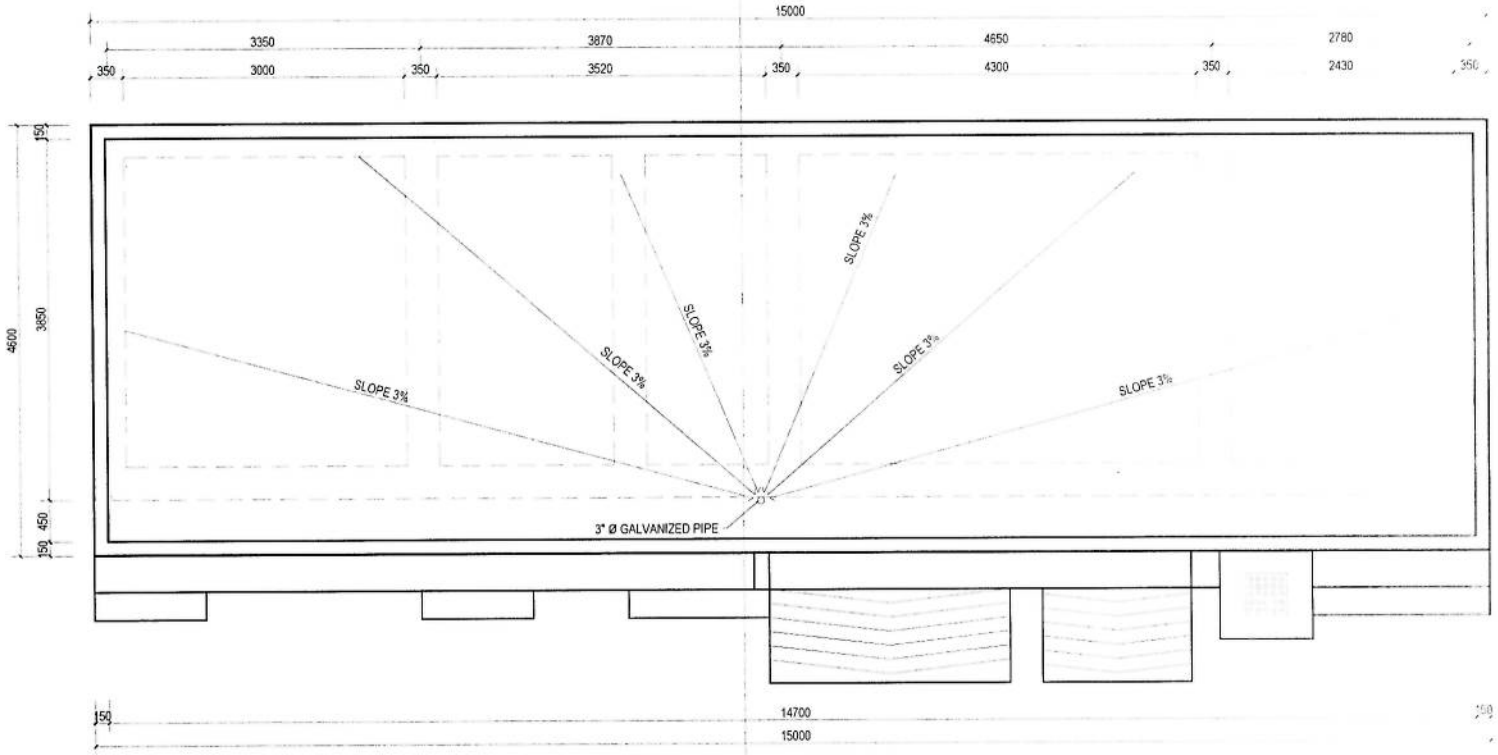
FRONT ELEVATION

SCALE : 1:80



RIGHT ELEVATION

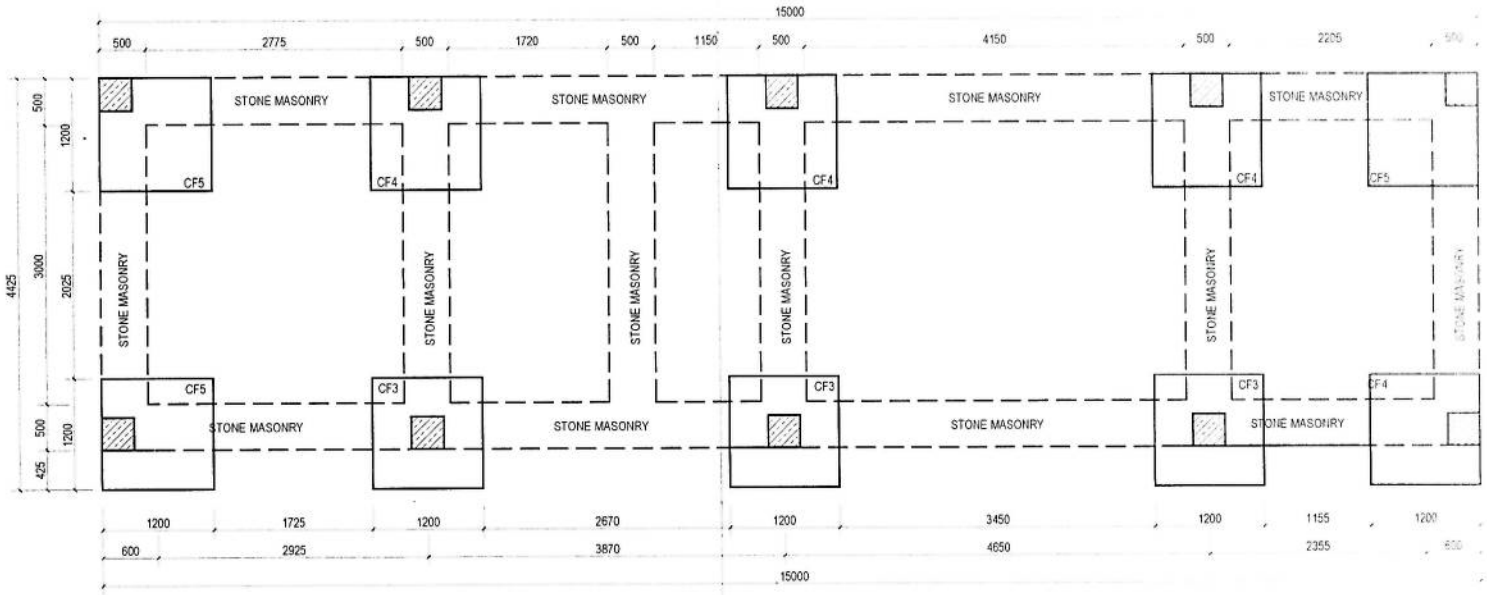
SCALE : 1:50



ROOF PLAN

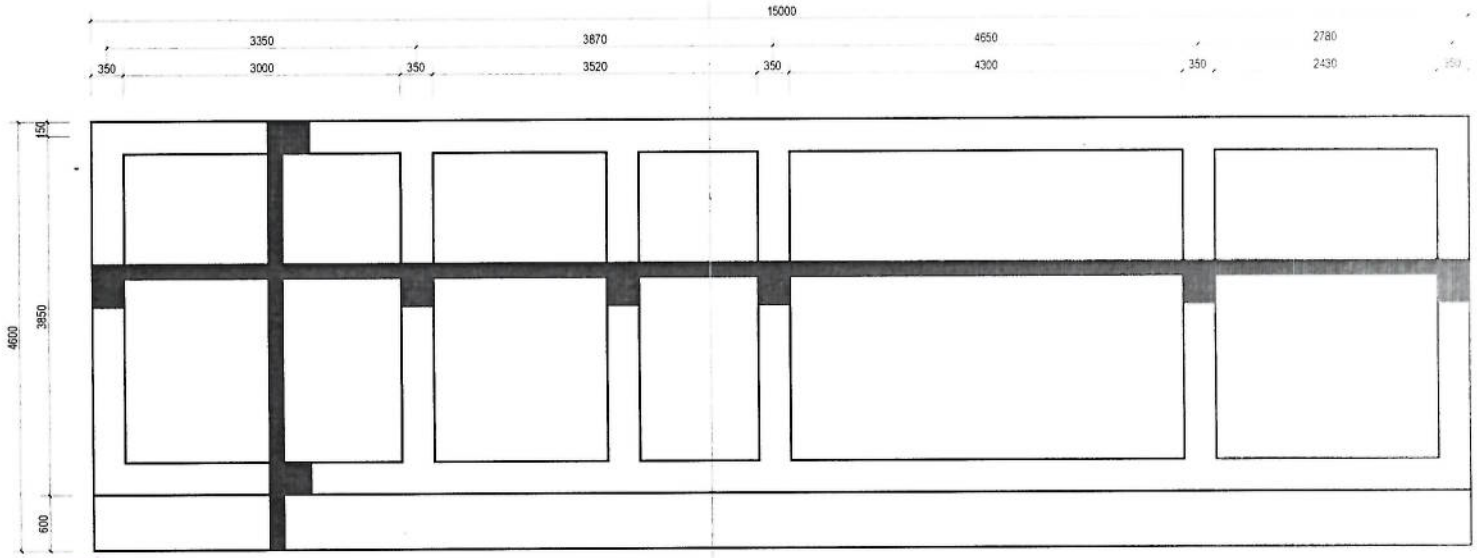
SCALE : 1:80

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



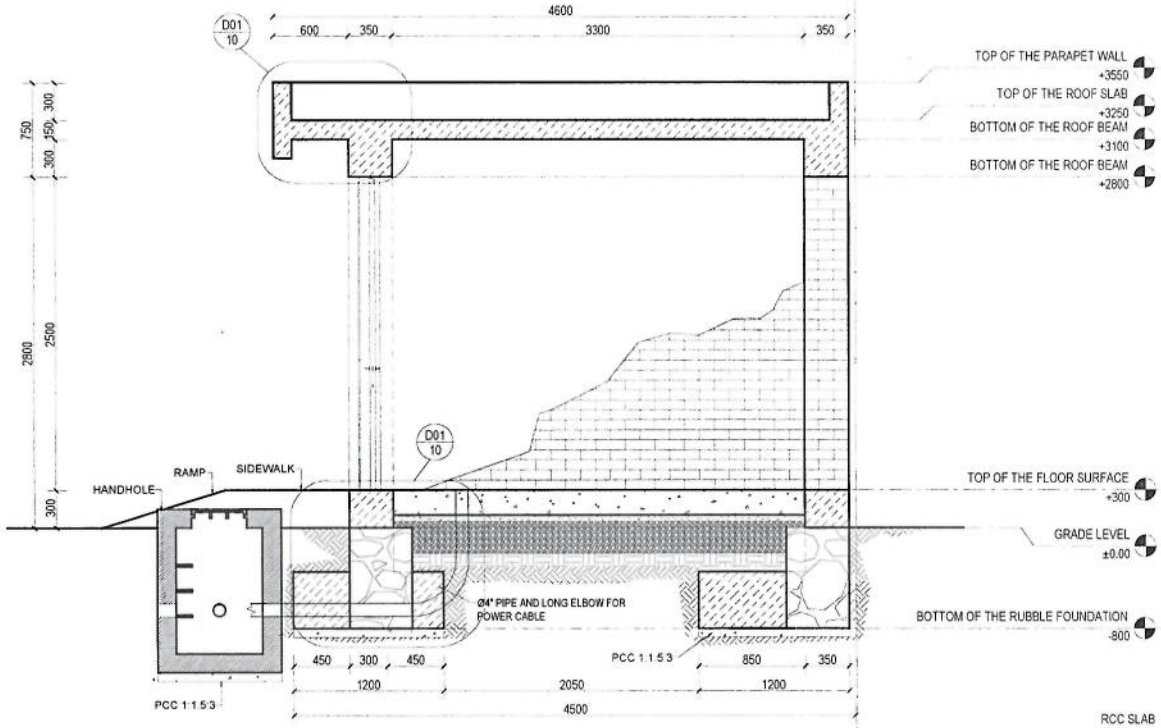
FOUNDATION PLAN

SCALE 1:80



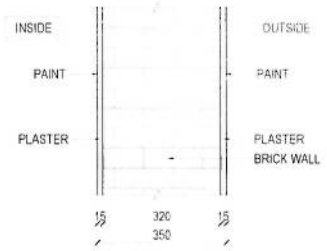
SHUTTERING PLAN

SCALE 1:80



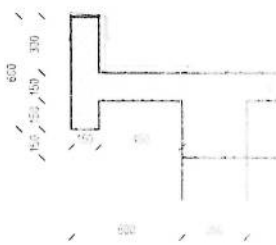
SECTION H-H

SCALE 1:60

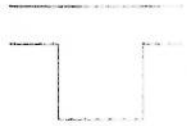


WALL DETAIL

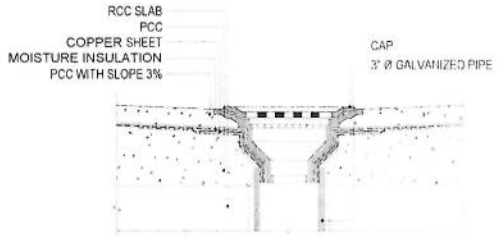
SCALE 1:20



ROOF DETAIL D02

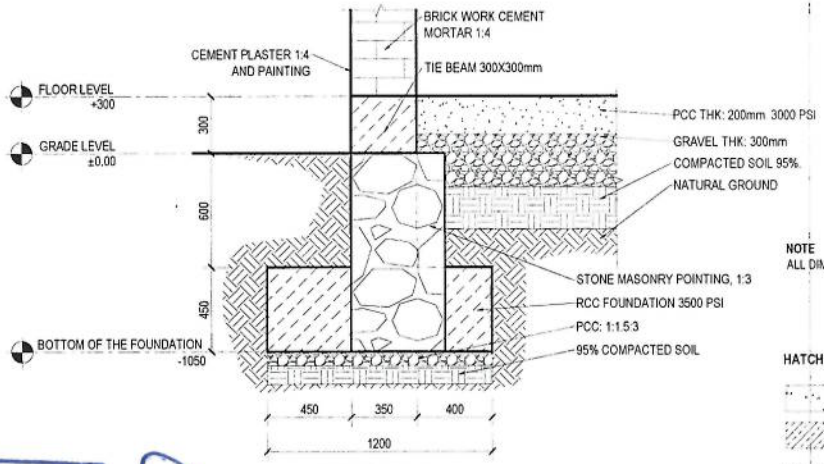


ROOF DETAIL D03



GUTTER PIPE DETAIL

SCALE 1:5



DETAIL D01

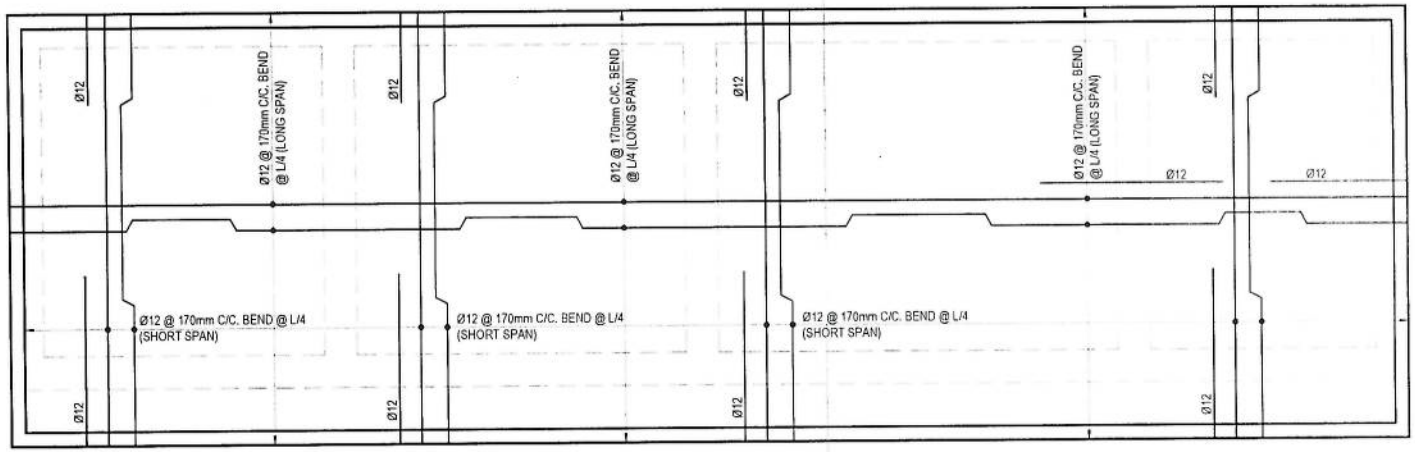
SCALE 1:40

NOTE

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

HATCH LEGEND

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

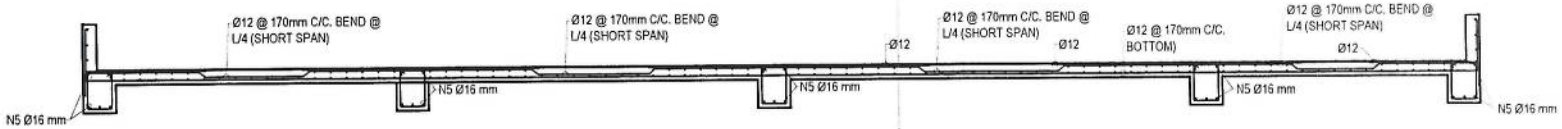


ROOF SLAB REINFORCEMENT PLAN

SCALE 1:80

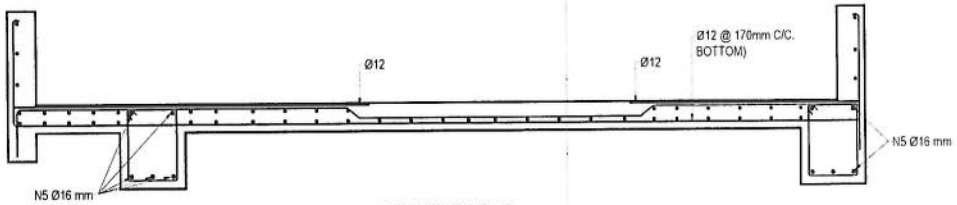
NOTE

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



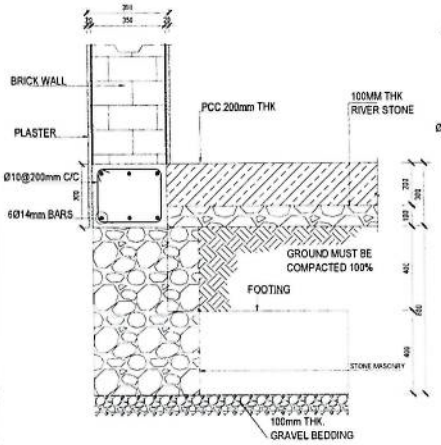
ROOF SLAB SECTION

SCALE : 1:80



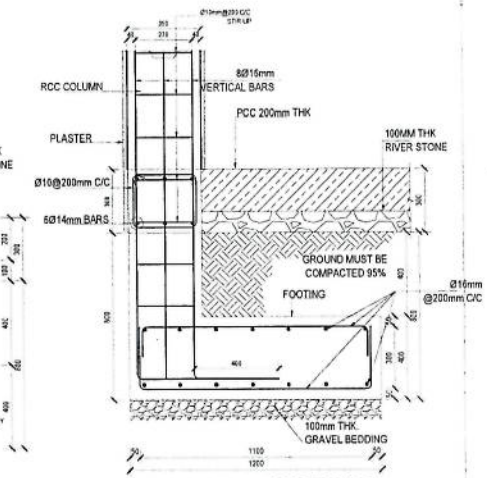
SECTION G-G

SCALE : 1:40



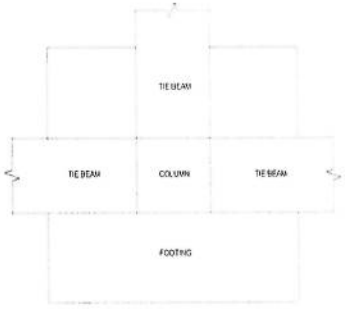
COLUMN FOOTING

SCALE : 1:20



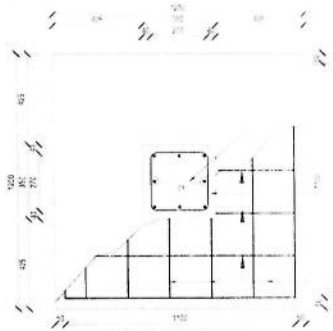
COLUMN FOOTING

SCALE : 1:20



CF3 PLAN

SCALE : 1:20

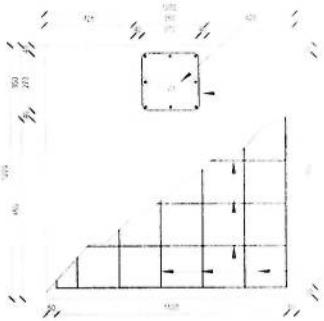


CF3 PLAN

SCALE : 1:20

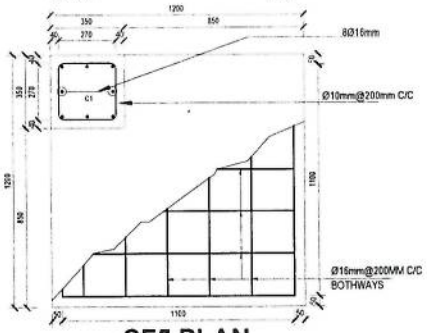
CF4 PLAN

SCALE : 1:20



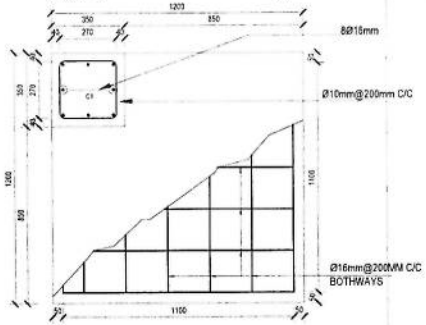
CF4 PLAN

SCALE : 1:20



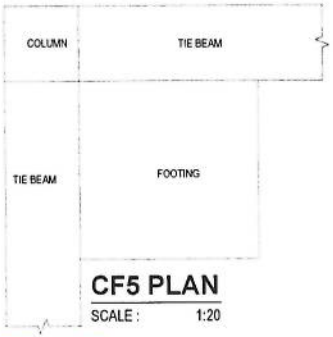
CF5 PLAN

SCALE : 1:20



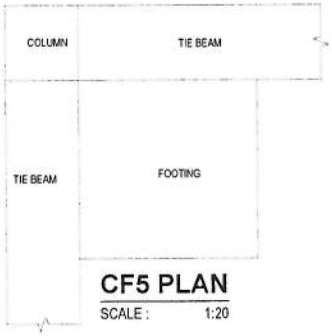
CF5 PLAN

SCALE : 1:20



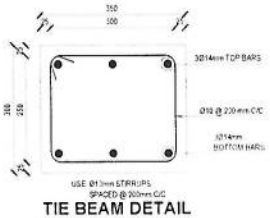
CF5 PLAN

SCALE : 1:20



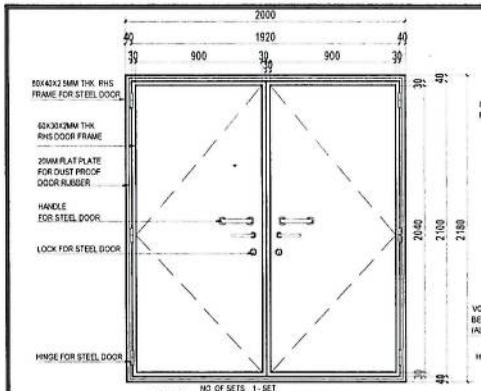
CF5 PLAN

SCALE : 1:20



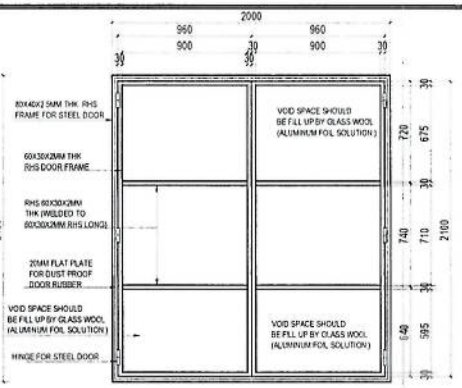
TIE BEAM DETAIL

SCALE 1:15M



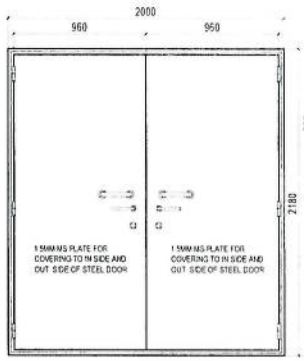
FRONT VIEW

SCALE 1:30M



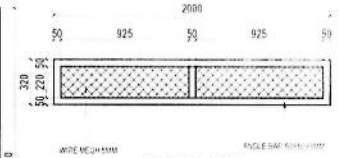
FRAMING PLAN

SCALE 1:30M



MS PLATE 1.5MM

SCALE 1:30



TOP FRAME

SCALE 1:30M

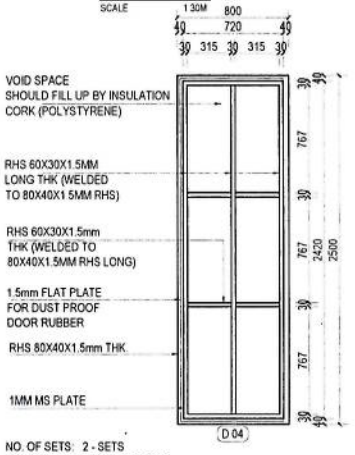
ANGEL BAR
50 X 50 X 3MM THK WITH COVER PLAIN SHEET

ANGEL BAR
50 X 50 X 3MM THK WITH COVER PLAIN SHEET

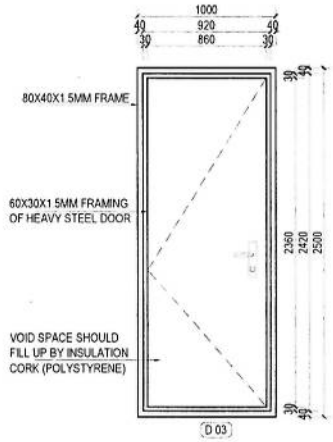
STEEL FRAME BOX FOR VENTILATION PURPOSE

ANGEL BAR
50 X 50 X 3MM THK WITHOUT COVER

1MM MS PLATE

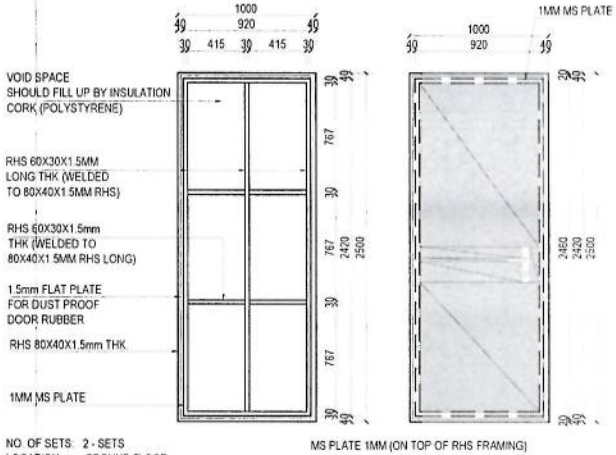


NO. OF SETS: 2 - SETS
LOCATION: GROUND FLOOR
TYPE: STEEL DOOR (HINGE SIDE ELEVATION)



STEEL DOOR

SCALE : 1:50



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

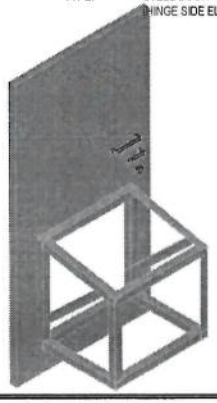
MS PLATE 1MM (ON TOP OF RHS FRAMING)

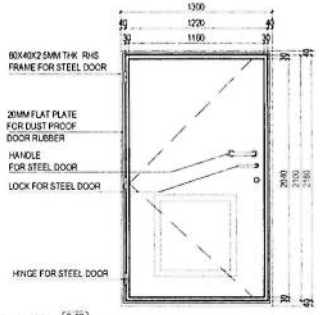
RHS FRAMING LAYOUT PLAN

SCALE 1:50

STEEL DOOR DETAIL

SCALE

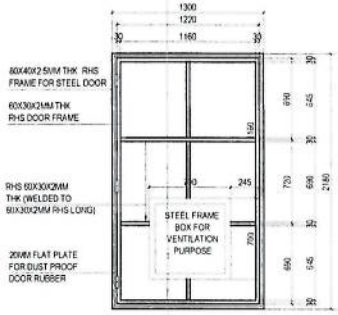




NO. OF SETS 1 - SET
LOCATION FOR DG CANOPY ROOM
TYPE STEEL DOOR (HINGE SIDE ELEVATION)
D 02

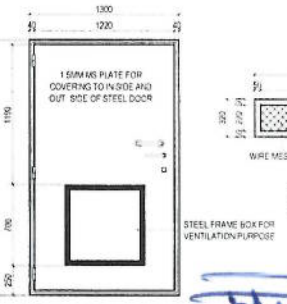
FRONT VIEW

SCALE 1:40M



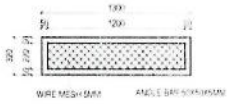
FRAMING PLAN

SCALE 1:40M



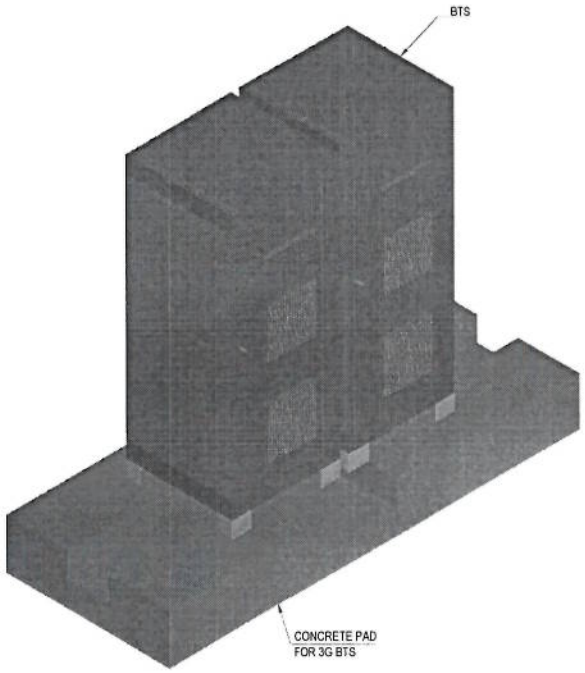
MS PLATE 1.5MM

SCALE 1:40



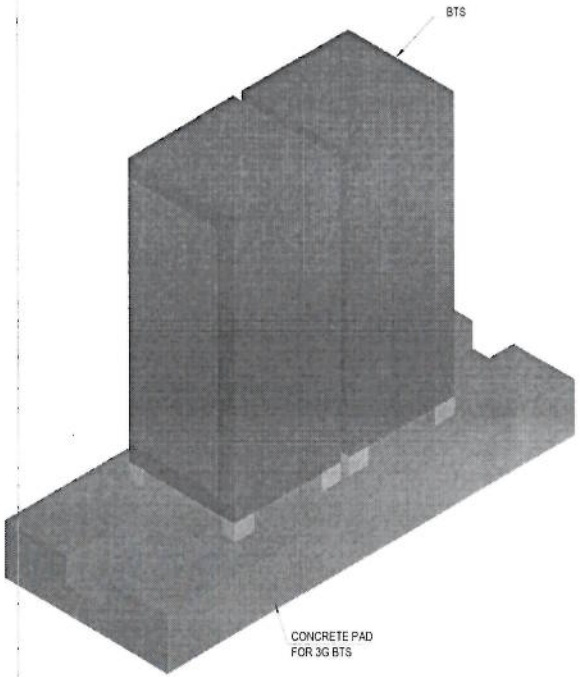
TOP FRAME

SCALE 1:30M



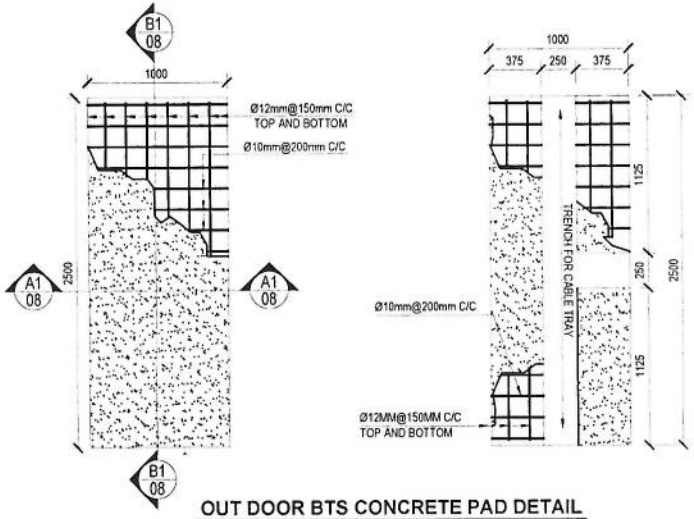
3D VIEW PLAN

SCALE : 1:NTS



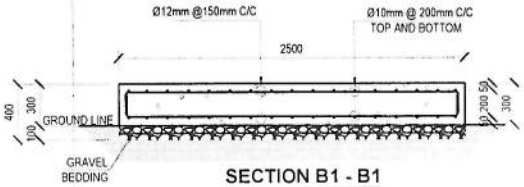
3D VIEW PLAN

SCALE : 1:NTS



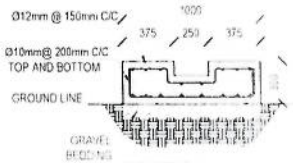
OUT DOOR BTS CONCRETE PAD DETAIL

SCALE : 1:50M



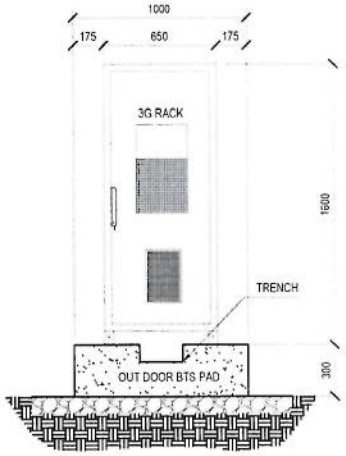
SECTION B1 - B1

SCALE 1:50M



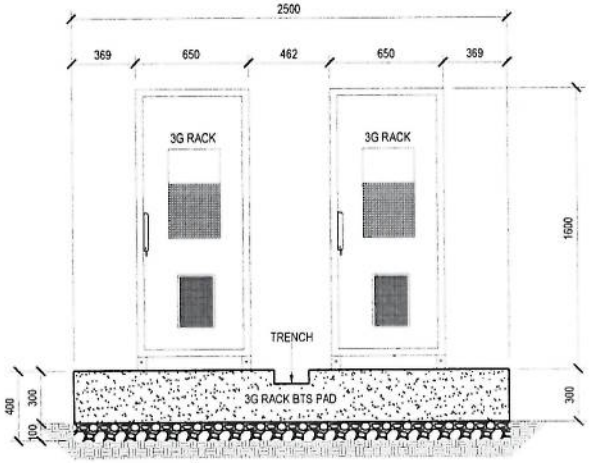
SECTION A1 - A1

SCALE



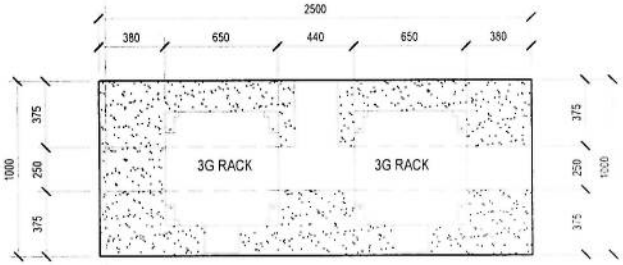
OUT DOOR BTS RACKS & PAD SIDE VIEW

SCALE : 1:40M



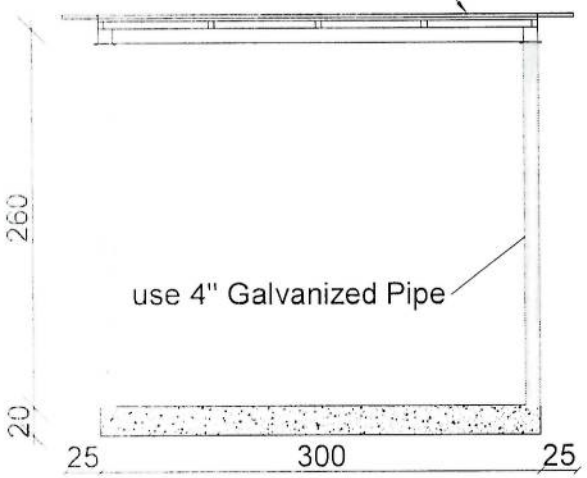
OUT DOOR BTS RACKS & PAD FRONT VIEW

SCALE 1:40M

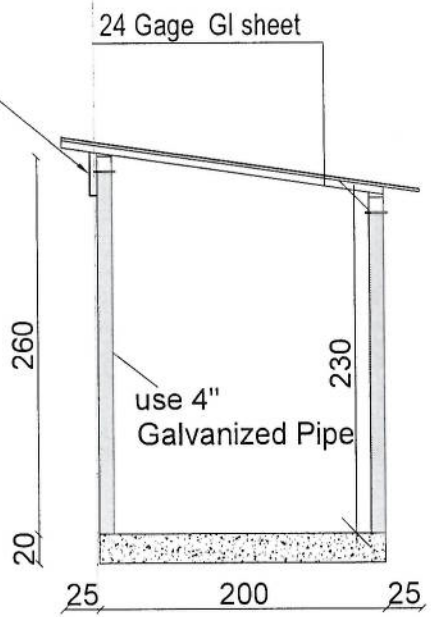


OUT DOOR BTS RACKS & PAD TOP PLAN

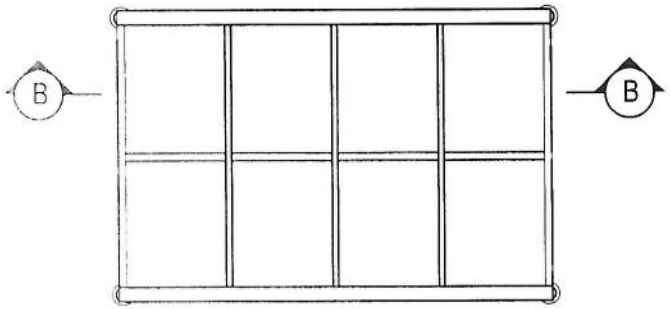
SCALE 1:40M

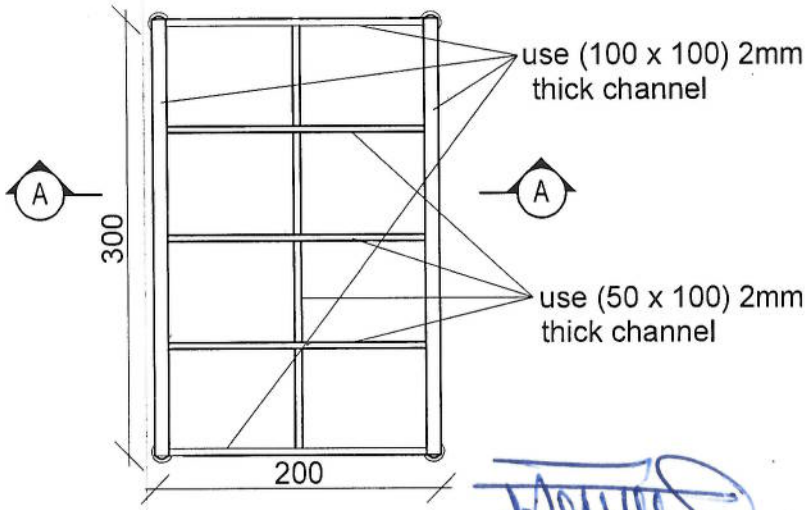


Section BB



Section AA





SUN SHELTER FOR ZTE BTS

SCALE: 1:50

REVISION RECORDS ثبت تعدیلات		
REVISION NO شماره تعدیل	DATE تاریخ	DESCRIPTION تشریحات

LEGEND: علایم:

CRASHED ROCK جدل

PCC شفته کانکریت

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

DRAWING TITLE:
SUN SHELTER FOR ZTE BTS
BTS سایه بان برای

DRAWN BY: ترسیم:
CIVIL TEAM

CHECKED BY: کنترول:

APPROVED BY: منظوری:

SCALE: مقیاس:
1:50

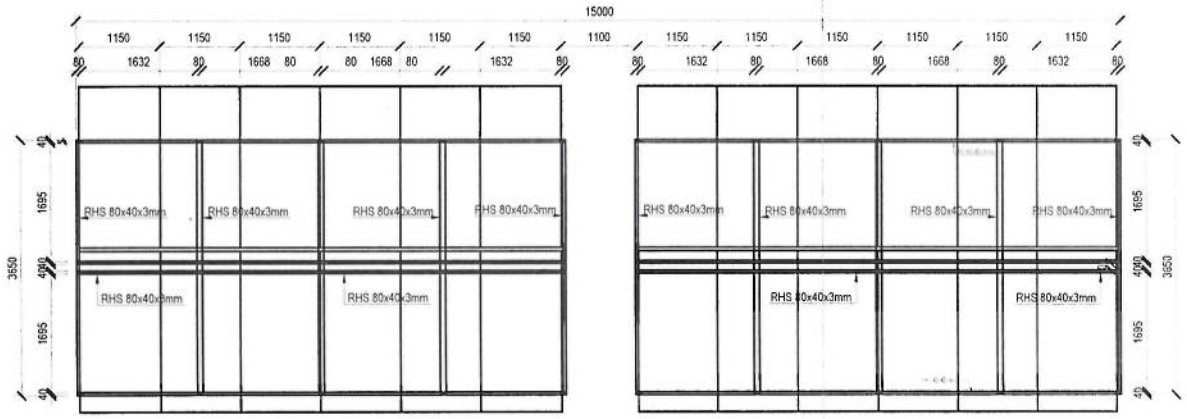
ACTUAL DATE:
17 /04/ 2025

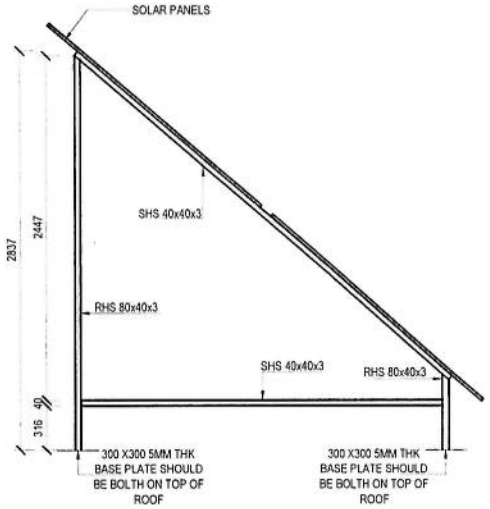
ISSUE DATE:

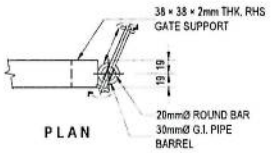
DRG.NO: 17

OWNER: مالک پروژه:
AFGHAN TELECOM

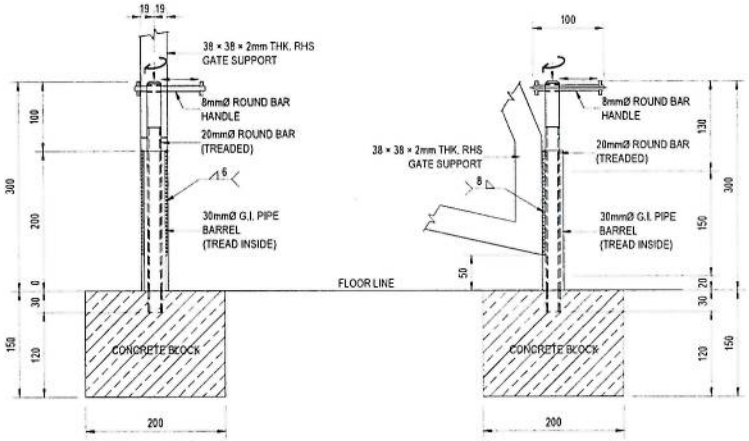
Salaam Telecomunication Company
KABUL
AFGHANISTAN


15000
1150
1100
80
1632
1668
40
1695
4090
3650
RHS 80x40x3mm


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



PLAN

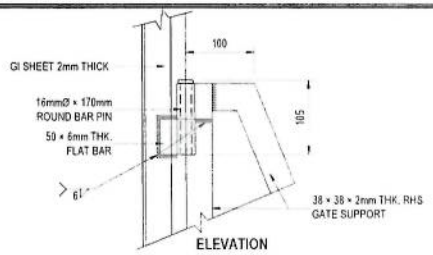


FRONT VIEW

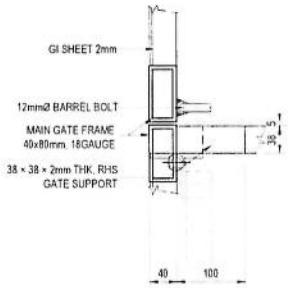
ELEVATION

DETAIL D

SCALE : 1:10M



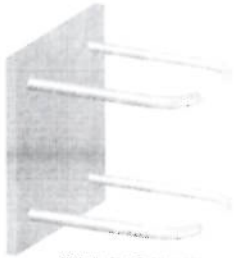
ELEVATION



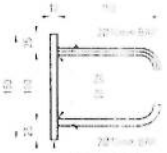
PLAN

DETAIL F

SCALE 1:10M

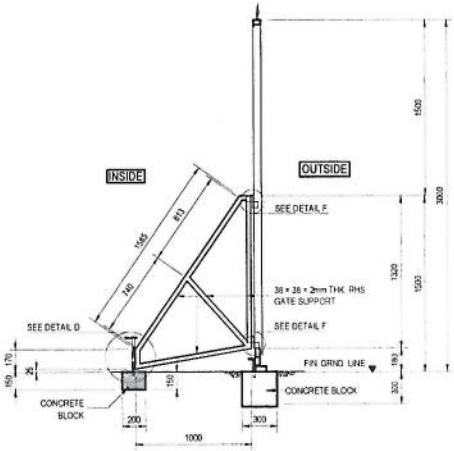


3D VIEW



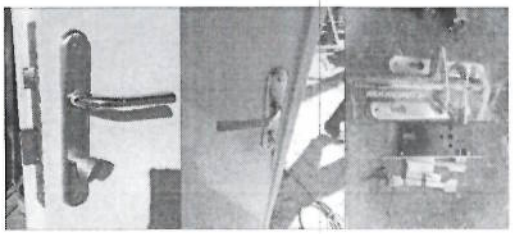
STEEL PLATE WITH BRACKETS

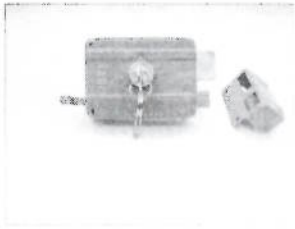
SCALE



ELEVATION

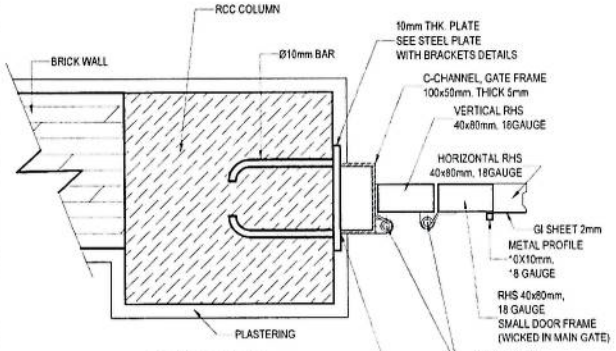
SCALE 1:50M





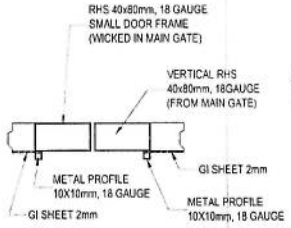
SMALL DOOR HANDLE AND LOCK PHOTOS

SCALE N/A



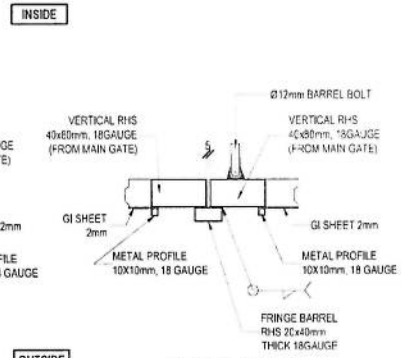
SECTION B-B

SCALE : 1:10M



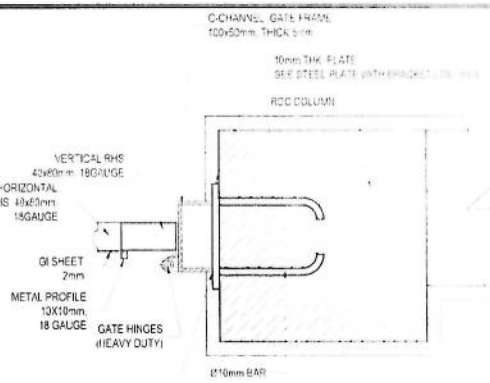
SECTION C-C

SCALE : 1:10M



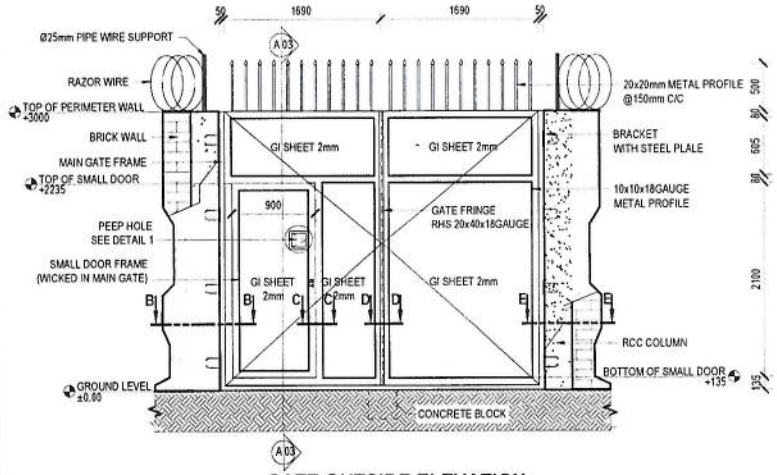
SECTION D-D

SCALE 1:10M



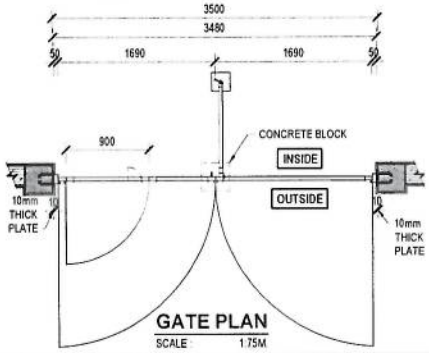
SECTION E-E

SCALE 1:10M



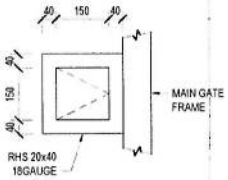
GATE OUTSIDE ELEVATION

SCALE : 1:75M



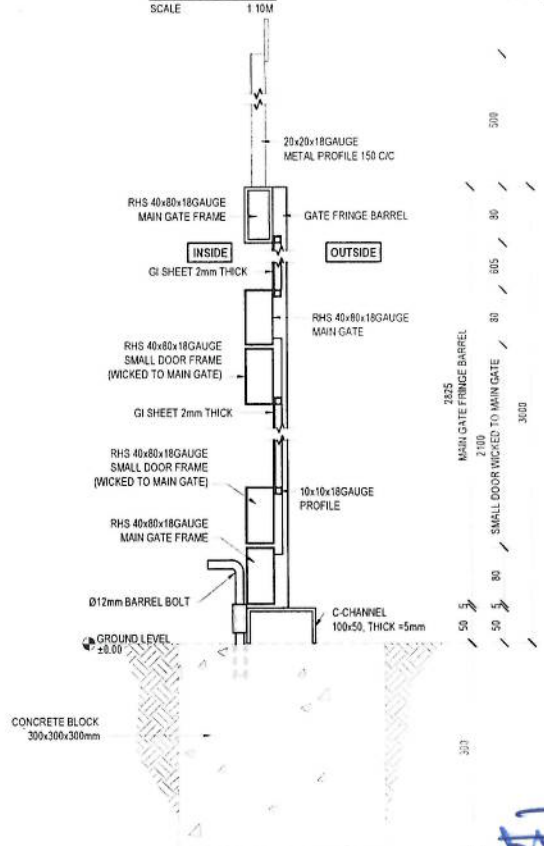
GATE PLAN

SCALE : 1:75M



DETAIL 1

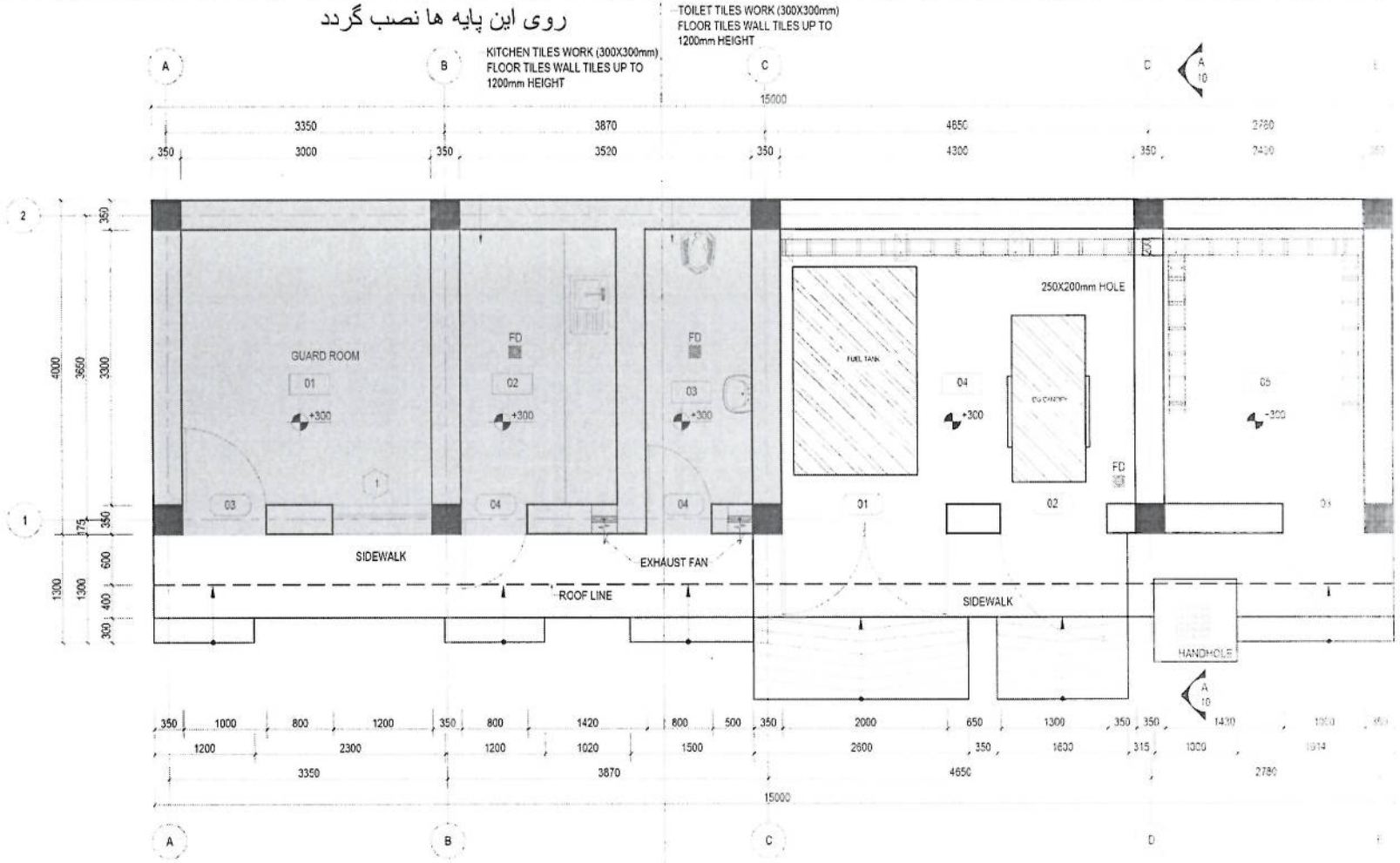
SCALE : 1:20M



SECTION A-A

SCALE 1:10M

روی این پایه ها نصب گردد



FLOOR PLAN

SCALE 1:80

NOTE

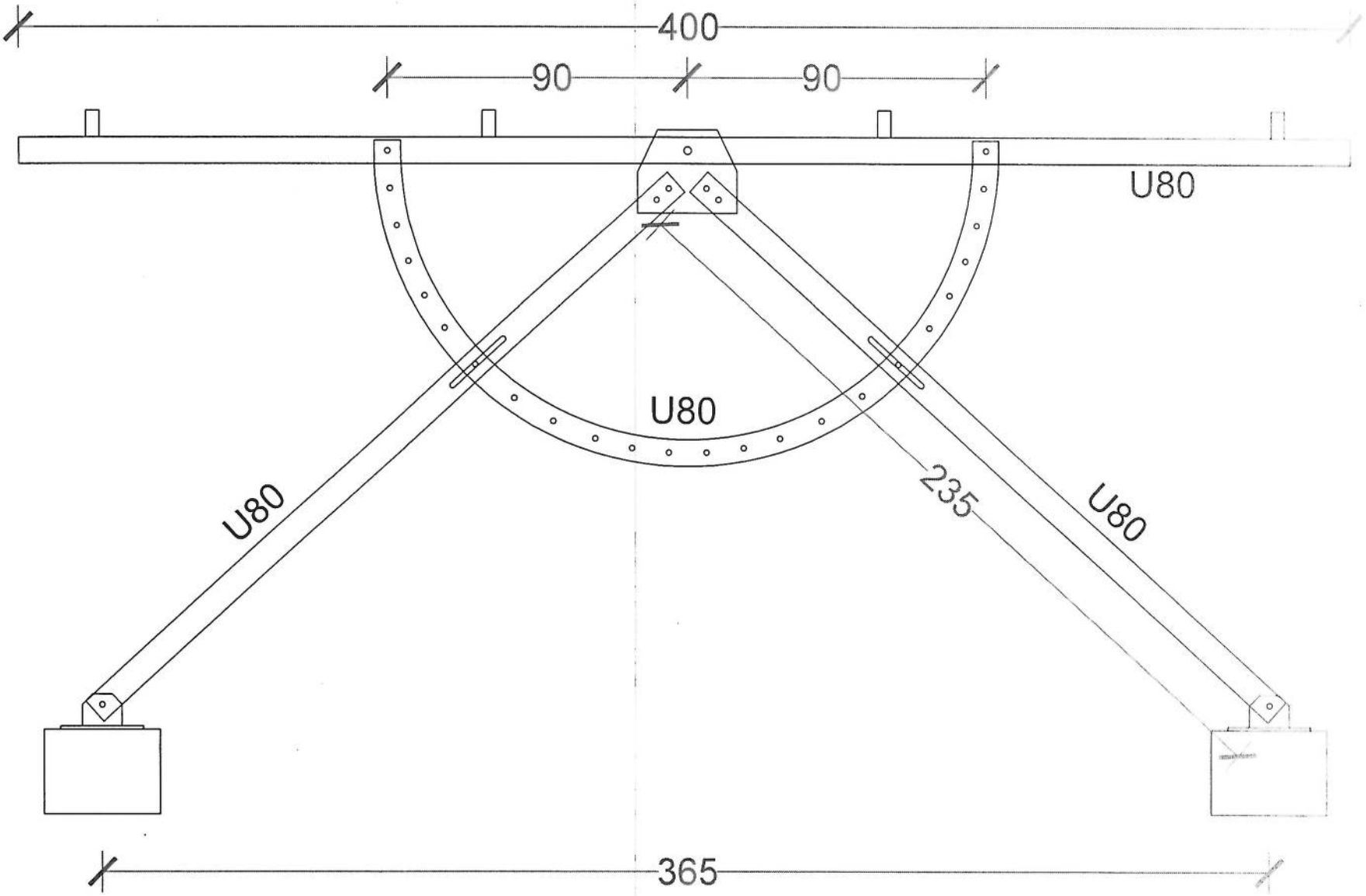
1. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.

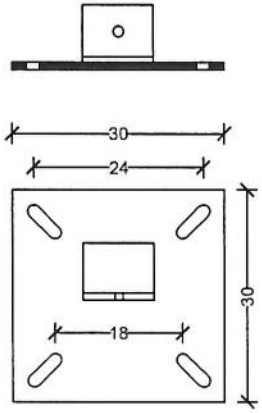
HATCH LEGEND

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

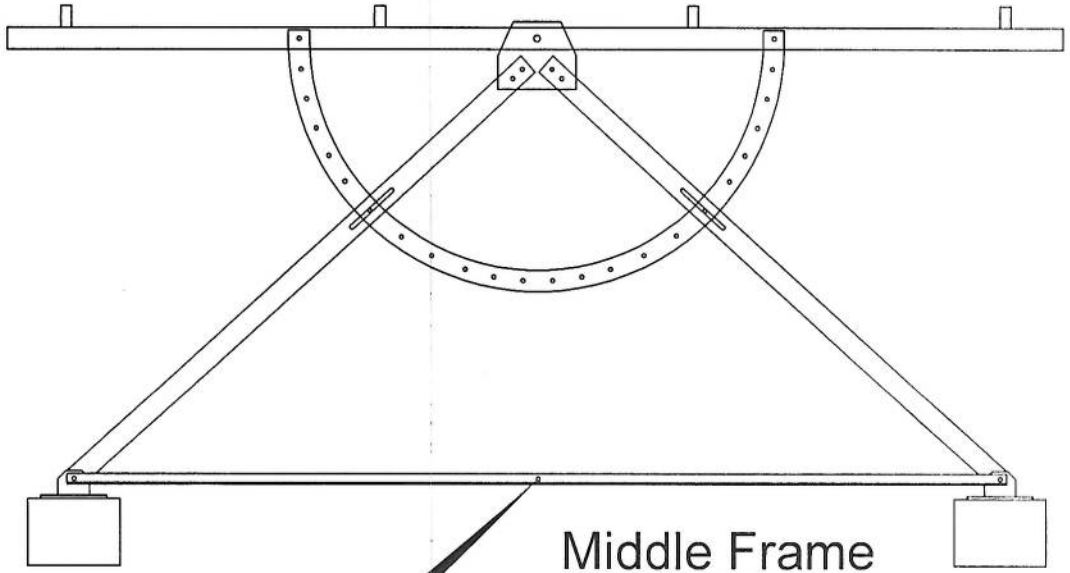
ROOM LEGEND

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

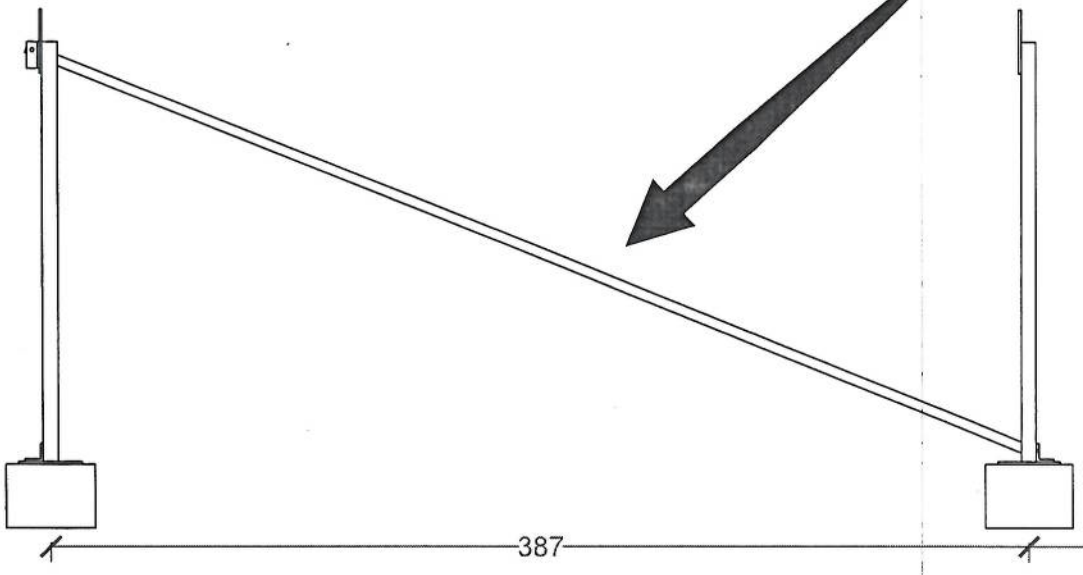


BASE PLATE (30x30)CM



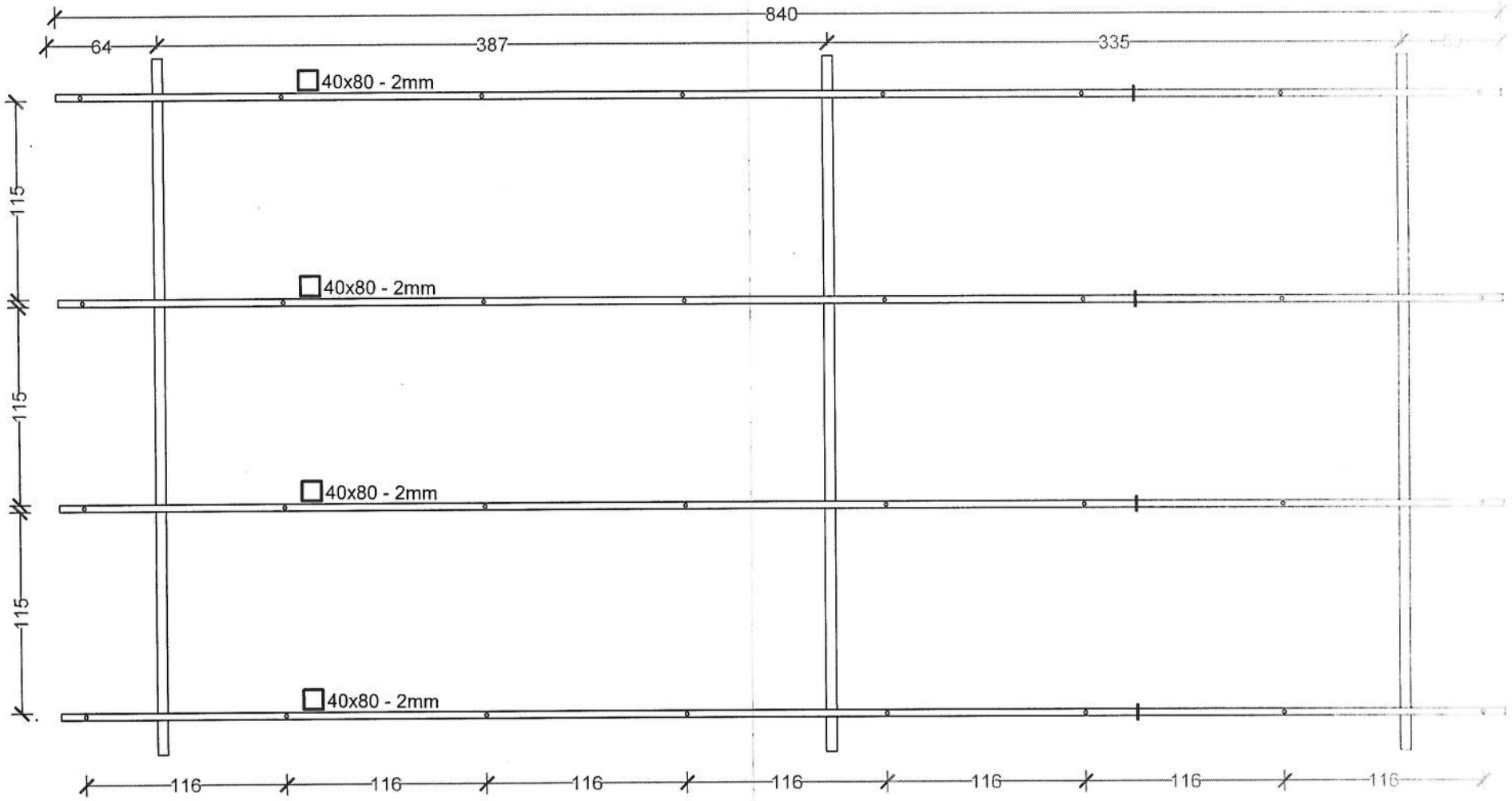
Middle Frame

RIGHT ELEVATION



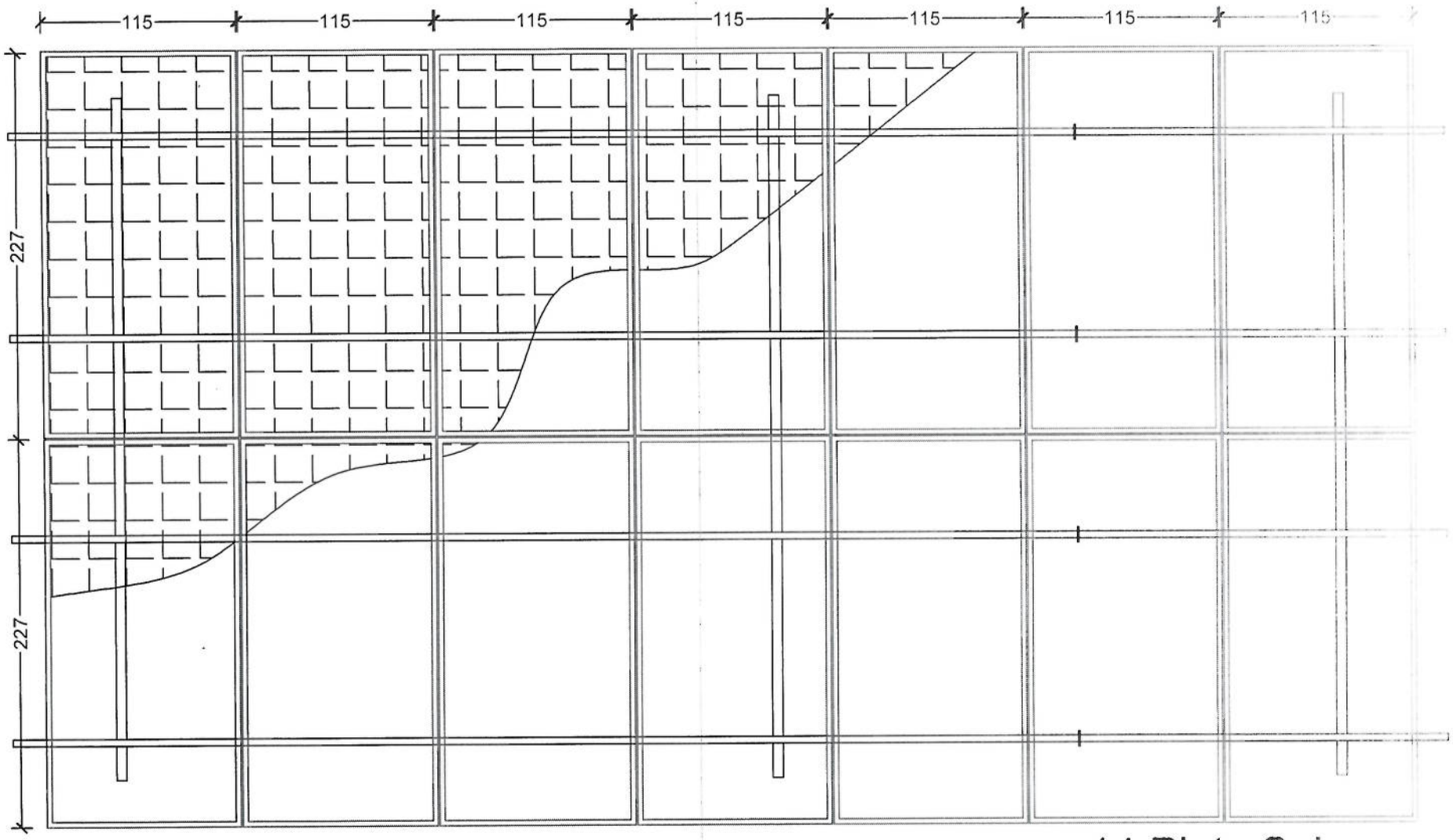
Solar Frame

ELEVATION



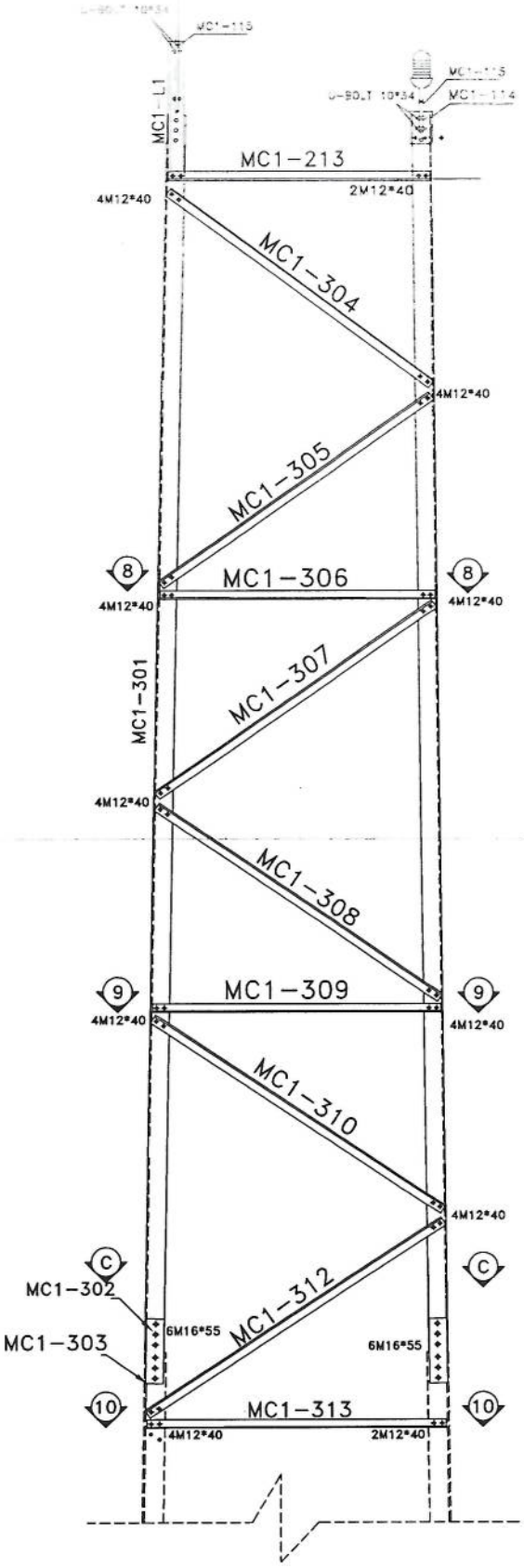
14 Plate Solar

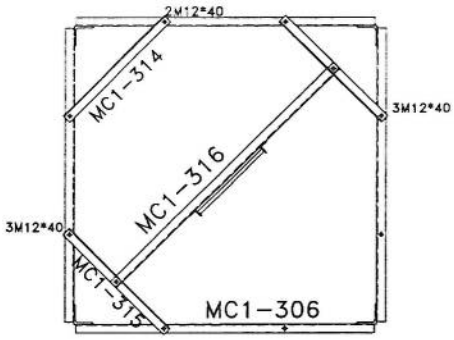
Dimensions (113x227)CM



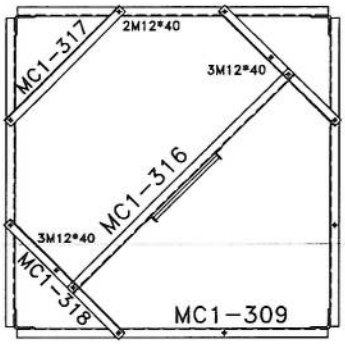
14 Plate Solar

Dimensions (113x227)CM

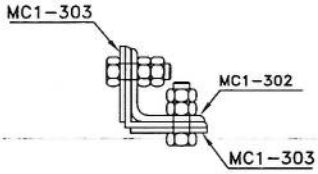




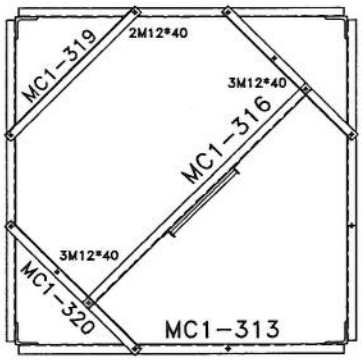
SEC. 8-8



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

Tower Type: TOWER NB

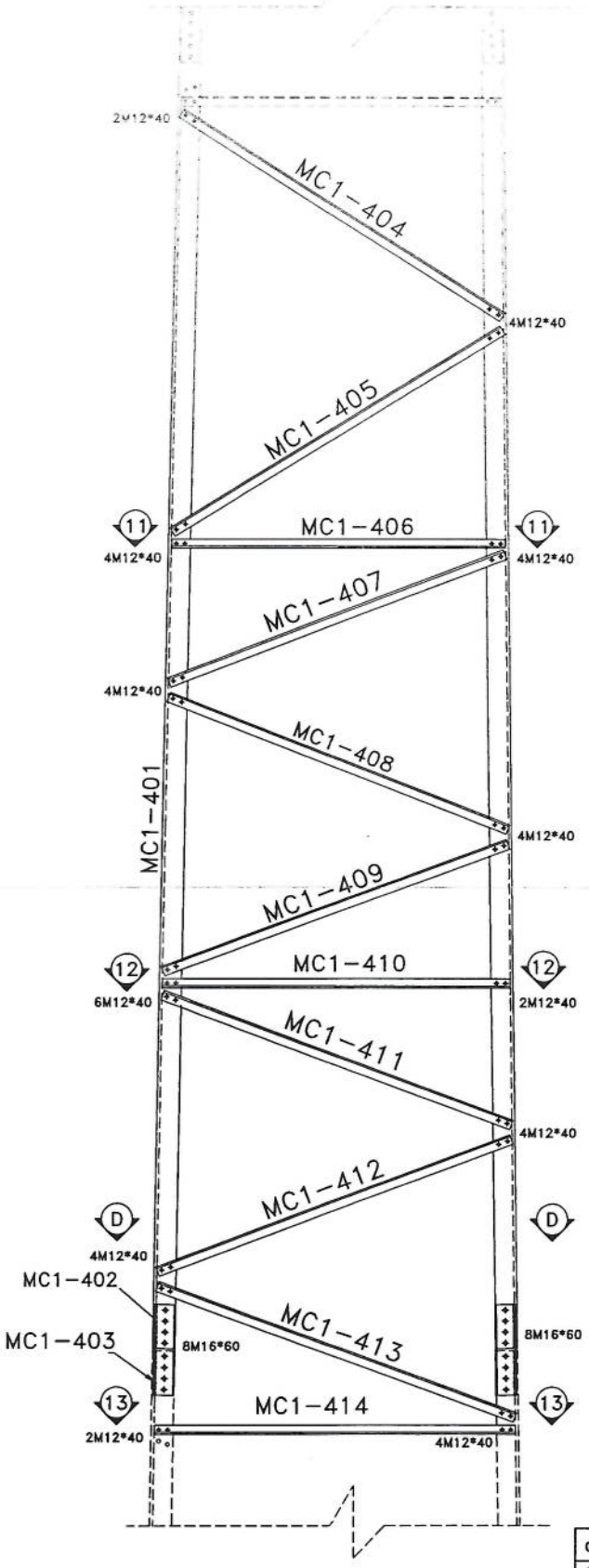
Project No.:

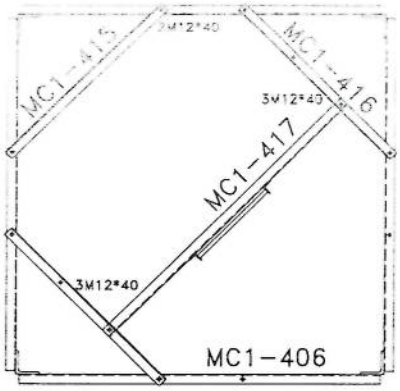
Client :

Project : AFGHAN TELECOM

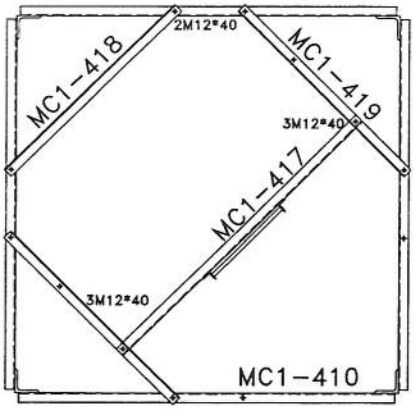
Title : NB TOWER 30m
PANEL 1

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

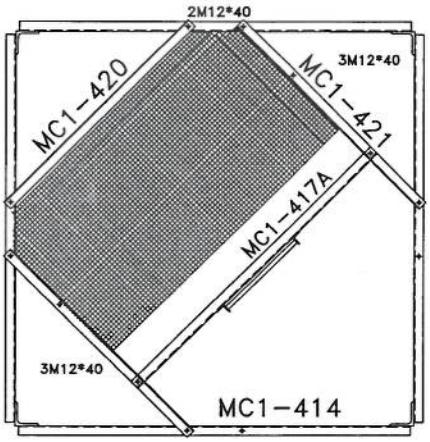




SEC. 11-11

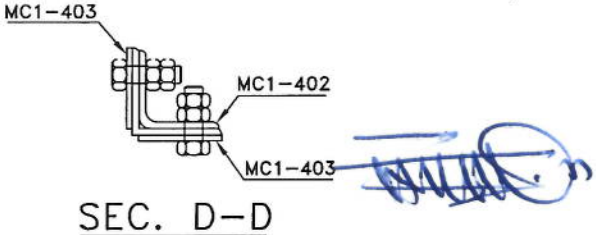


SEC. 12-12



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 :

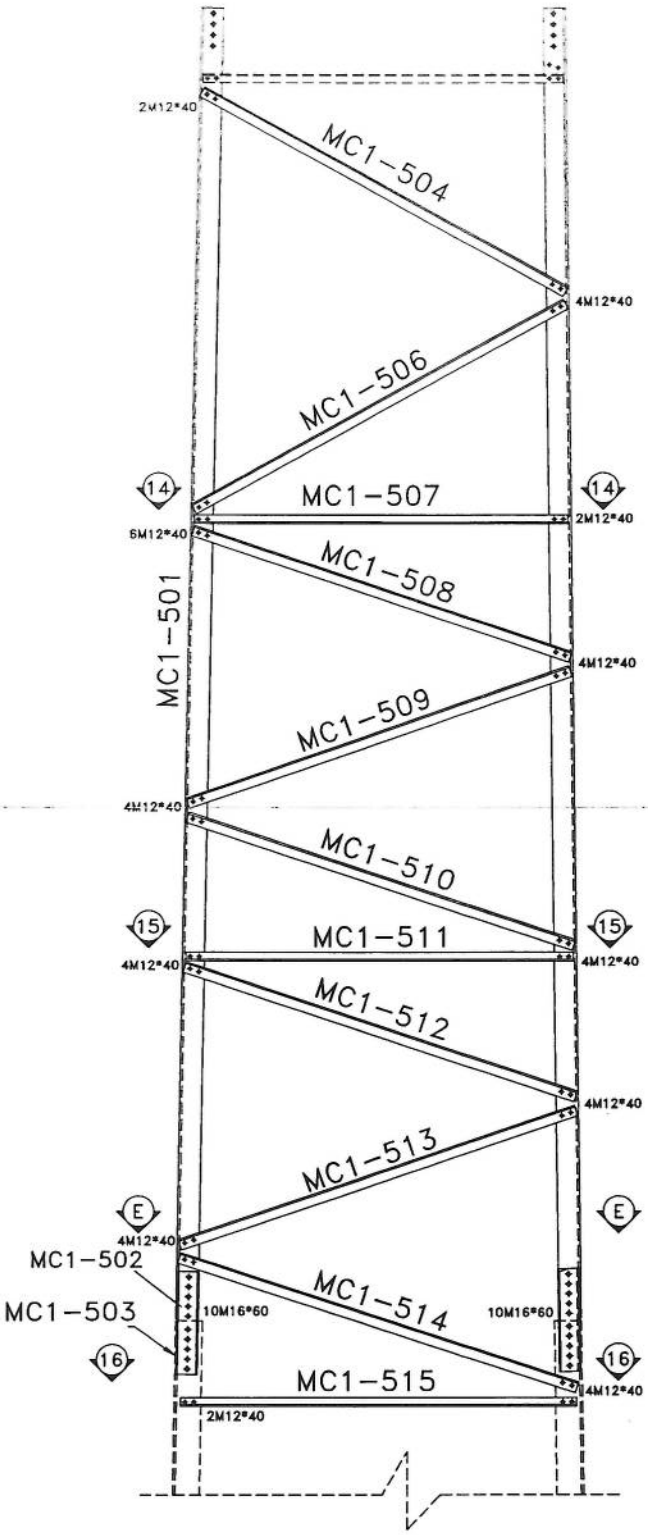
Project : AFGHAN TELECOM

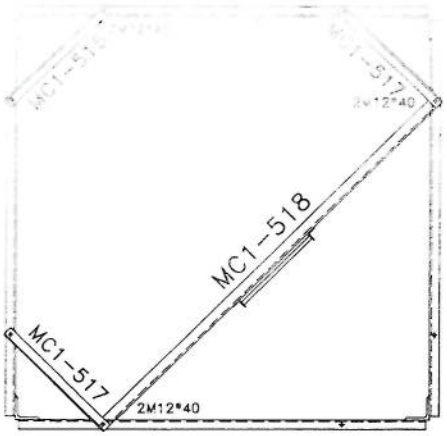
Title : NB TOWER 30m PANEL 2

Tower Type: TOWER NB

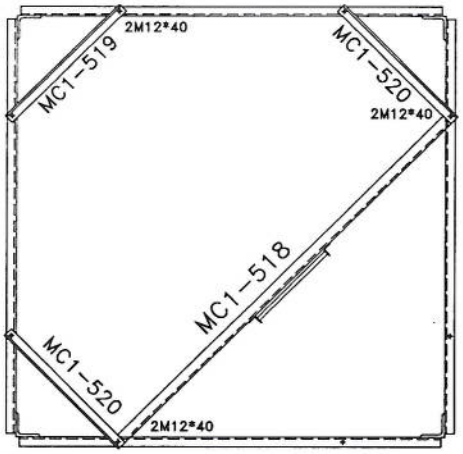
Project No.:

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

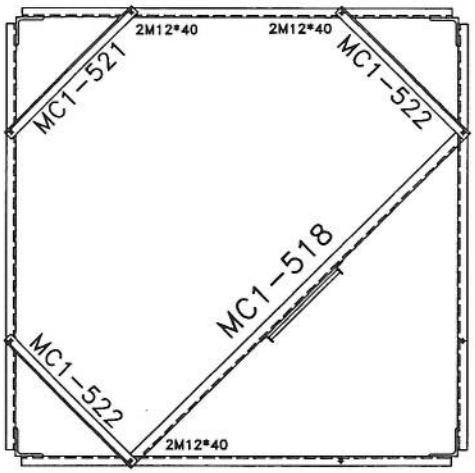




SEC. 14-14

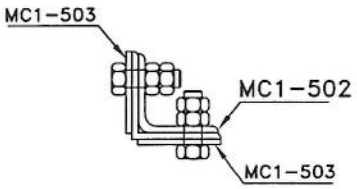


SEC. 15-15



SEC. 16-16

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



SEC. E-E

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

TOWERiST

Client :

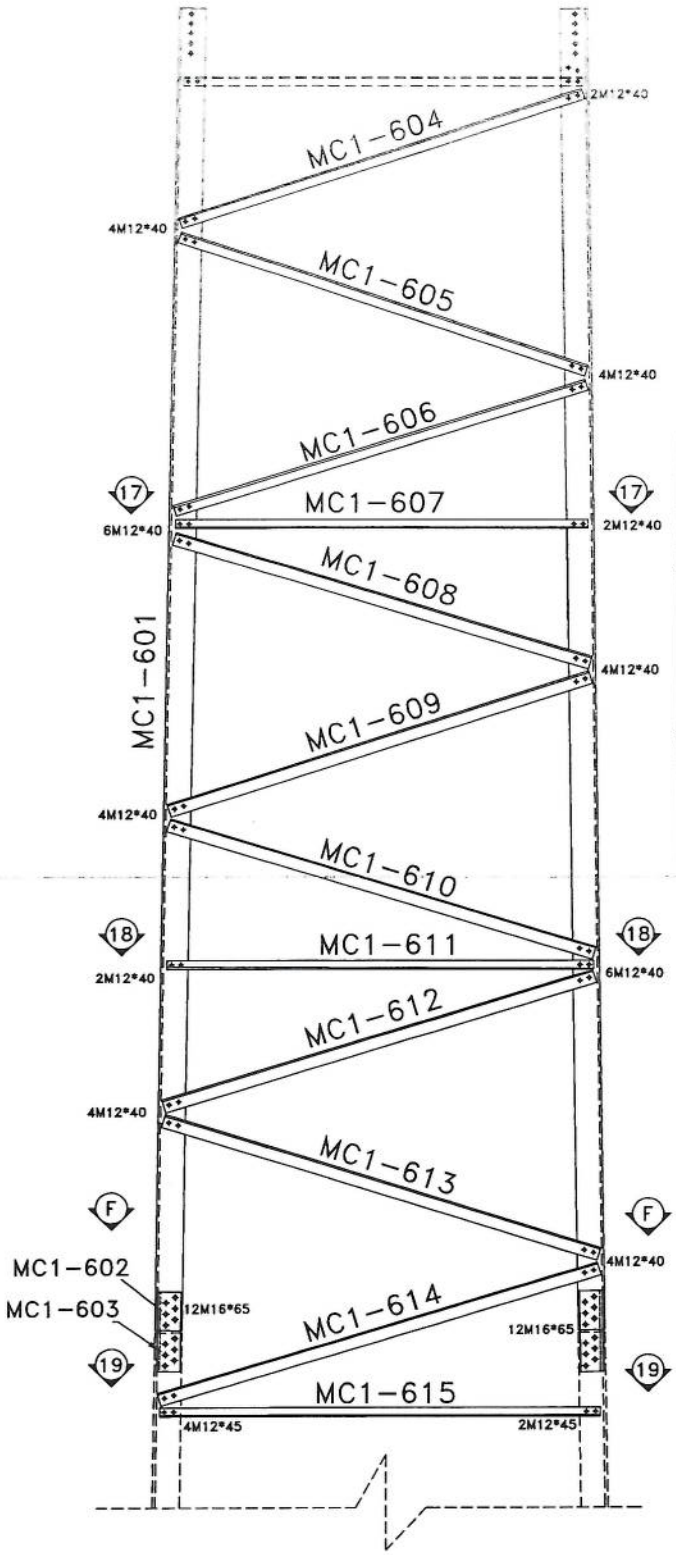
Project : AFGHAN TELECOM

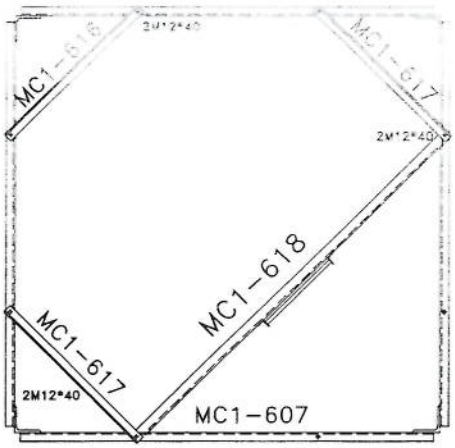
Title : NB TOWER 30M PANEL 3

Tower Type: TOWER NB

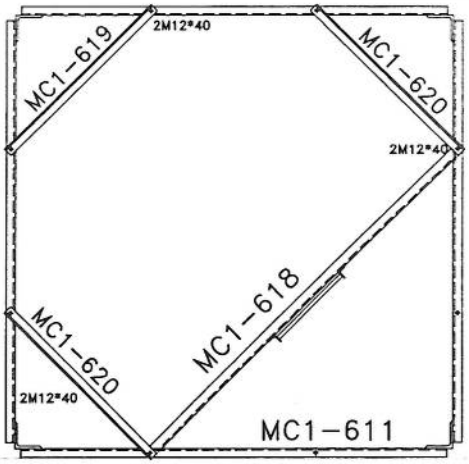
Project No.:

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

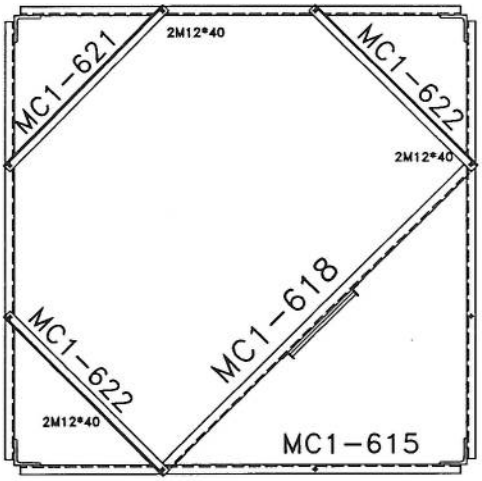




SEC. 17-17

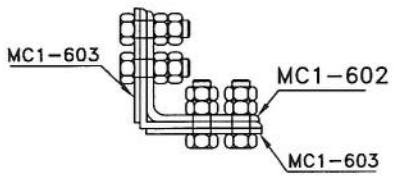


SEC. 18-18



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 :

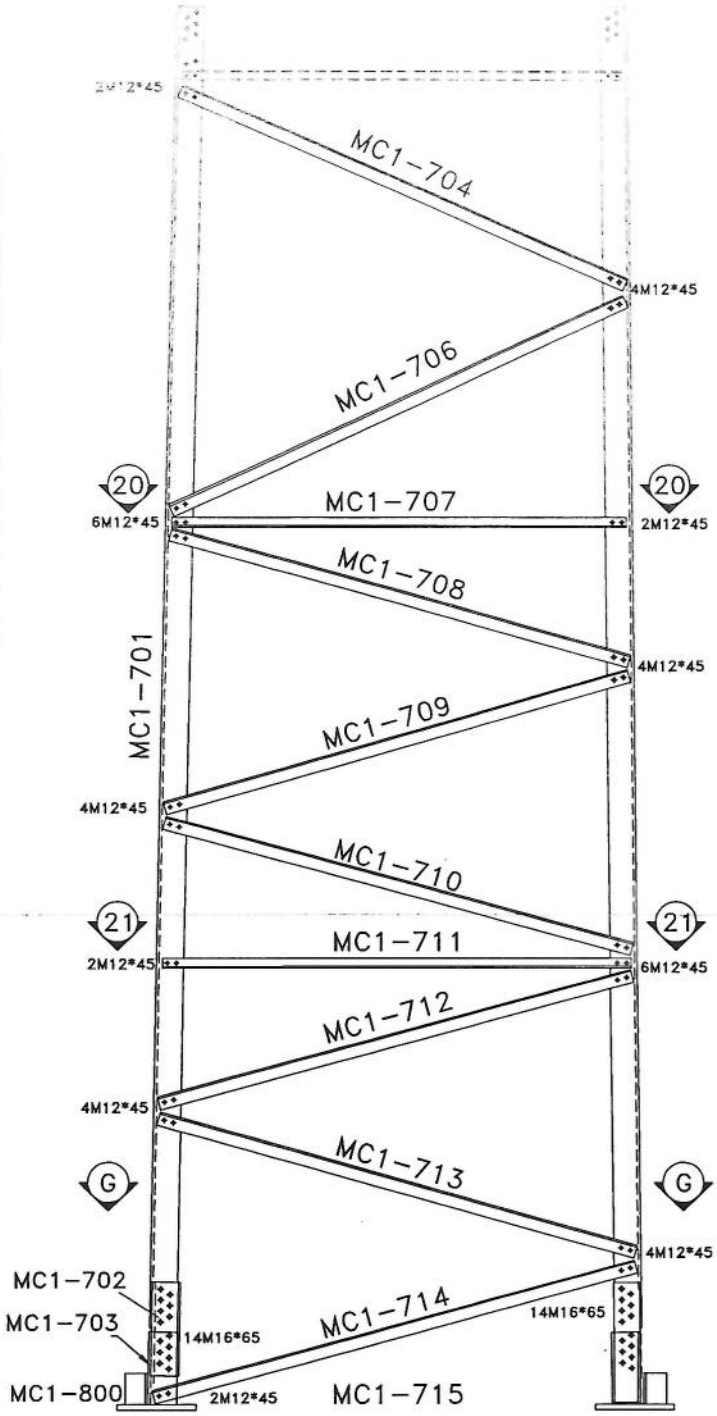
Project : AFGHAN TELECOM

Title : NB TOWER 30M PANEL 4

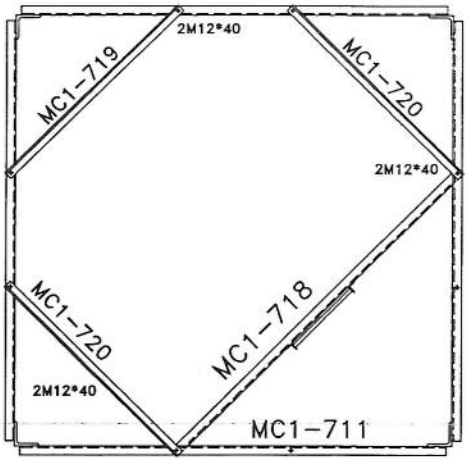
Tower Type: TOWER NB

Project No.:

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

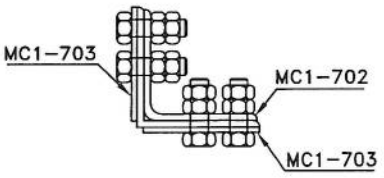


SEC. 20-20



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

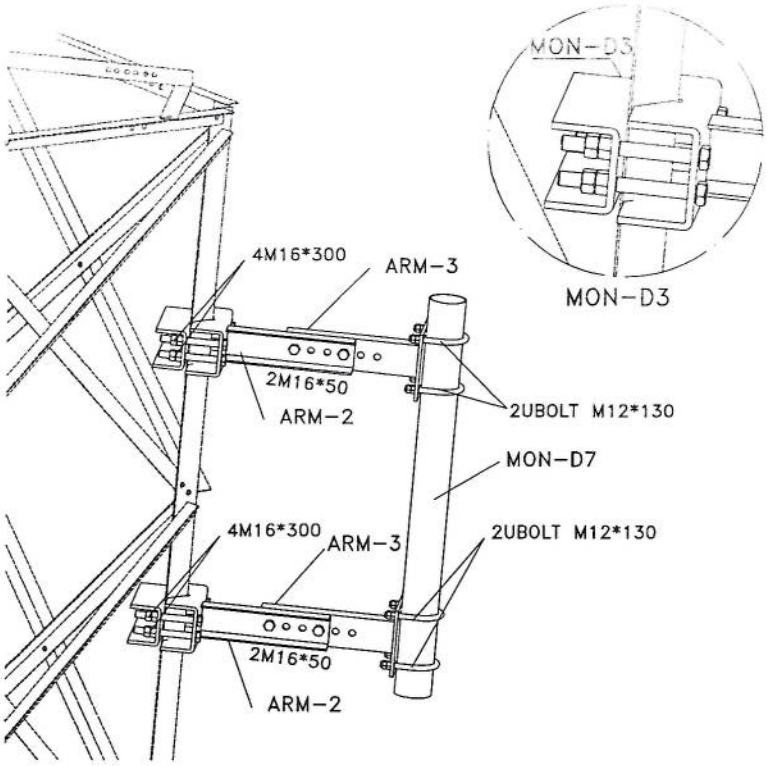
Title : NB TOWER 30M
PANEL 5

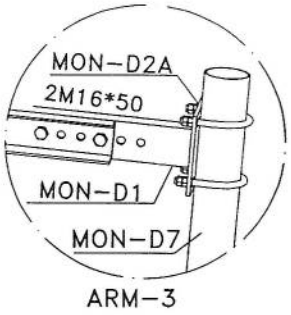
Tower Type: TOWER NB

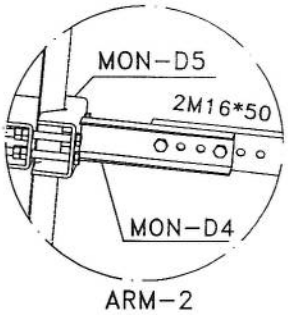
Project No.:

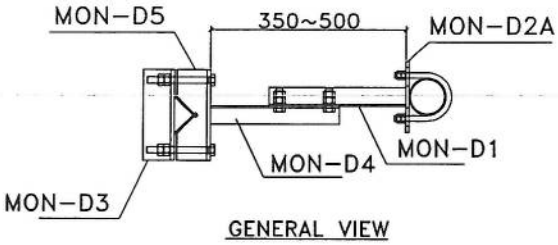
Scale: 1/11 | Ref. No. 00 | Sheet No. 5

BILL OF MATERIAL NB			
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

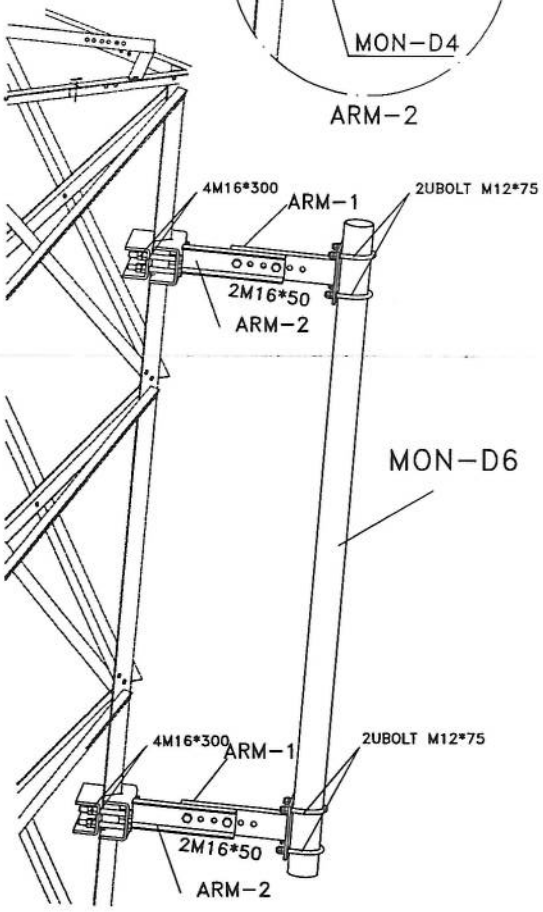




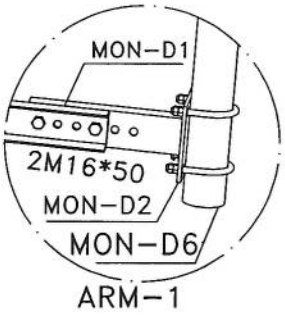


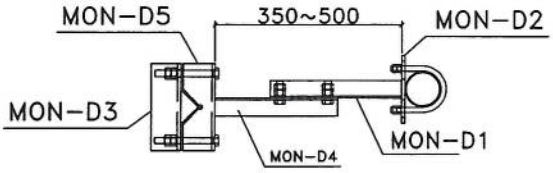


GENERAL VIEW



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 :

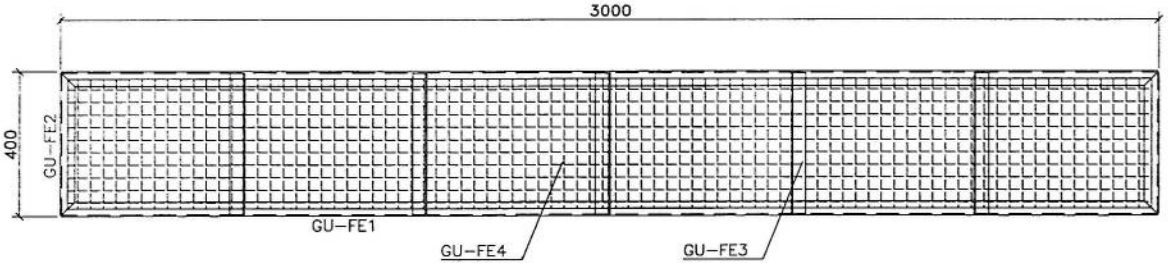
Project : AFGHAN TELECOM

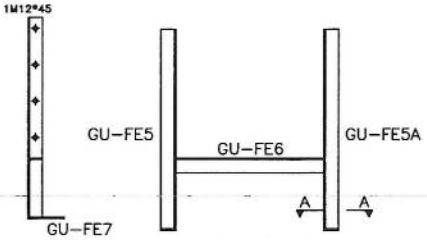
Title : NB TOWER 30M MOUNTING

Tower Type: TOWER NB

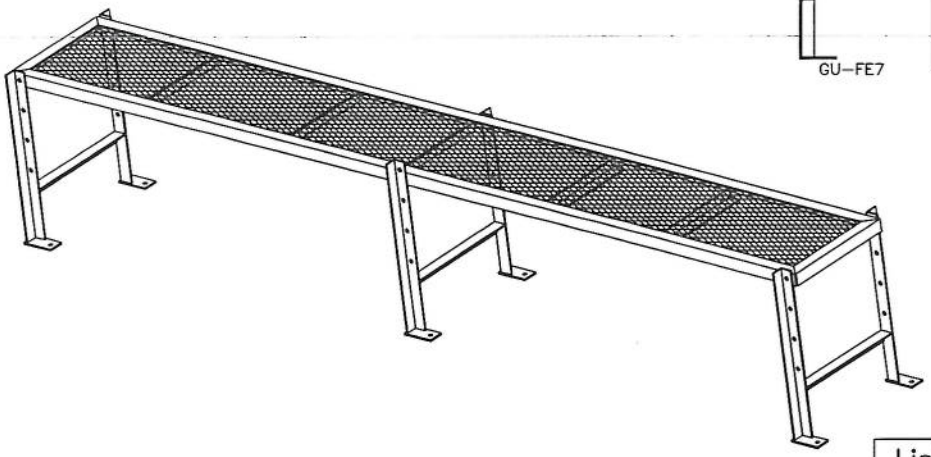
Project No.:

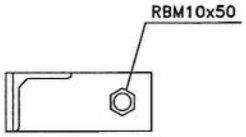
Scale: 1/11 | Ref. No. 00 | Sheet No. 12





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

Tower Type: TOWER NB

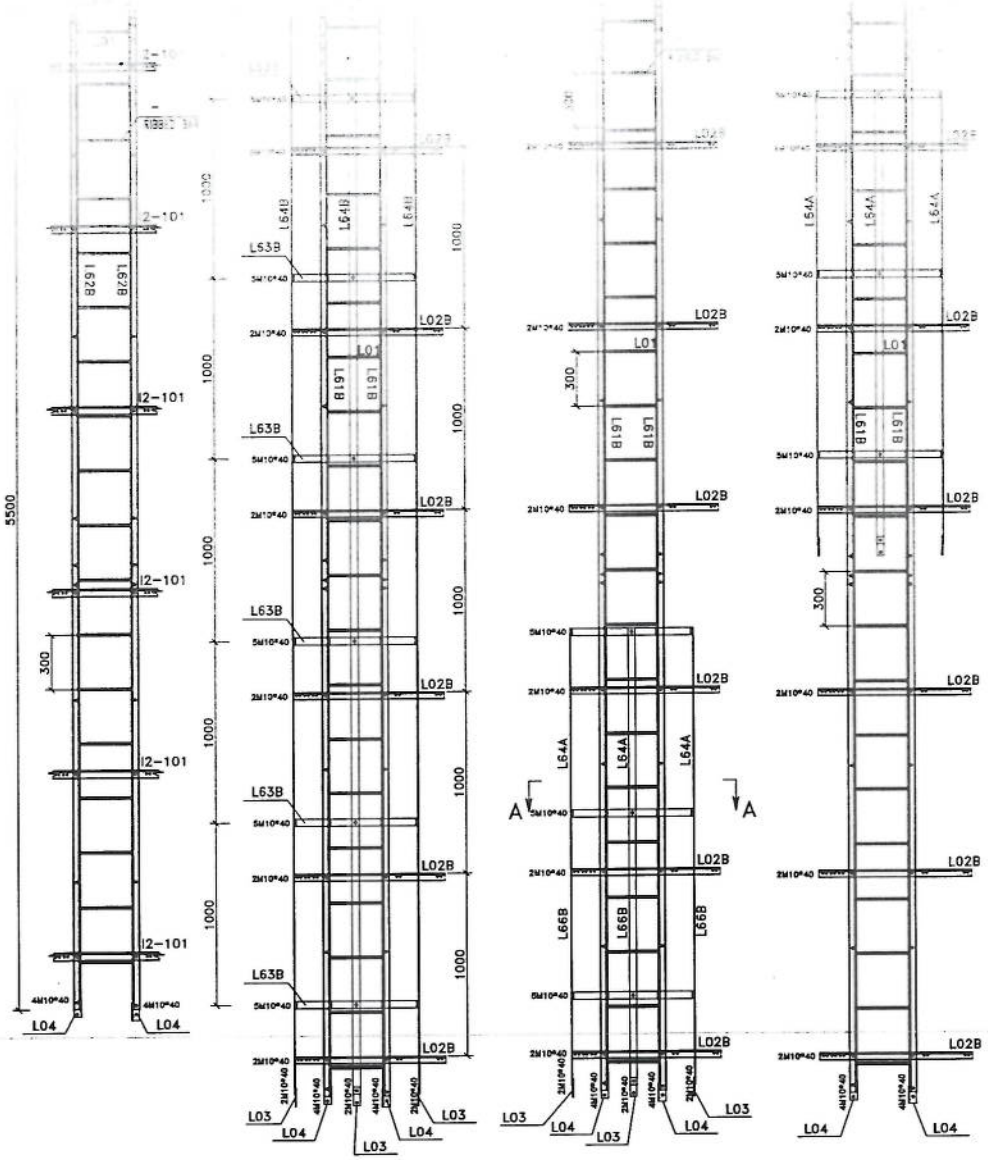
Client :

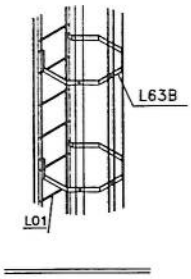
Project : AFGHAN TELECOM

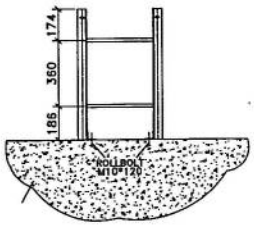
Title : NB TOWER 30M
PLATFORM 3m

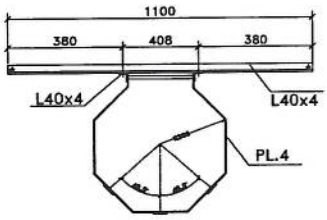
Project No.:

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 :

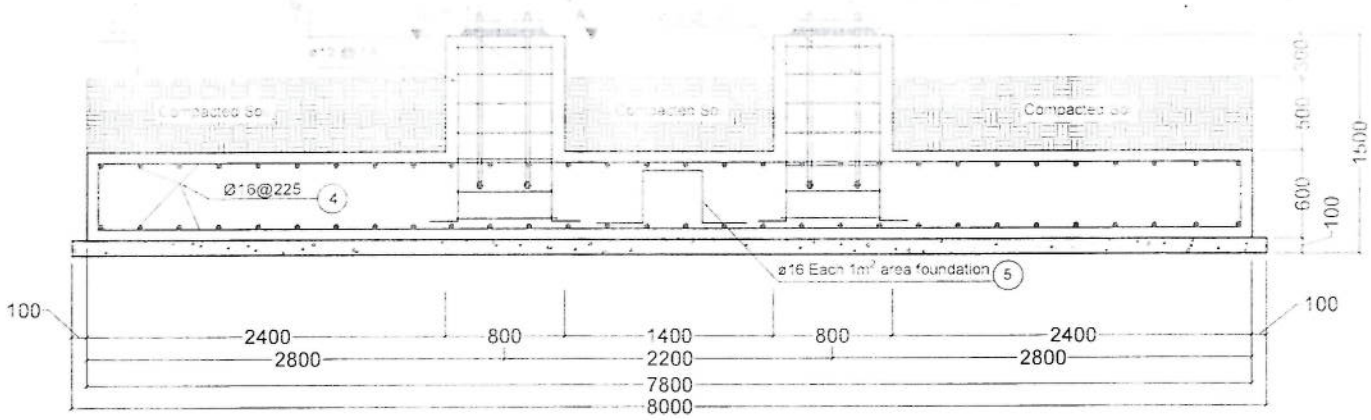
Project : AFGHAN TELECOM

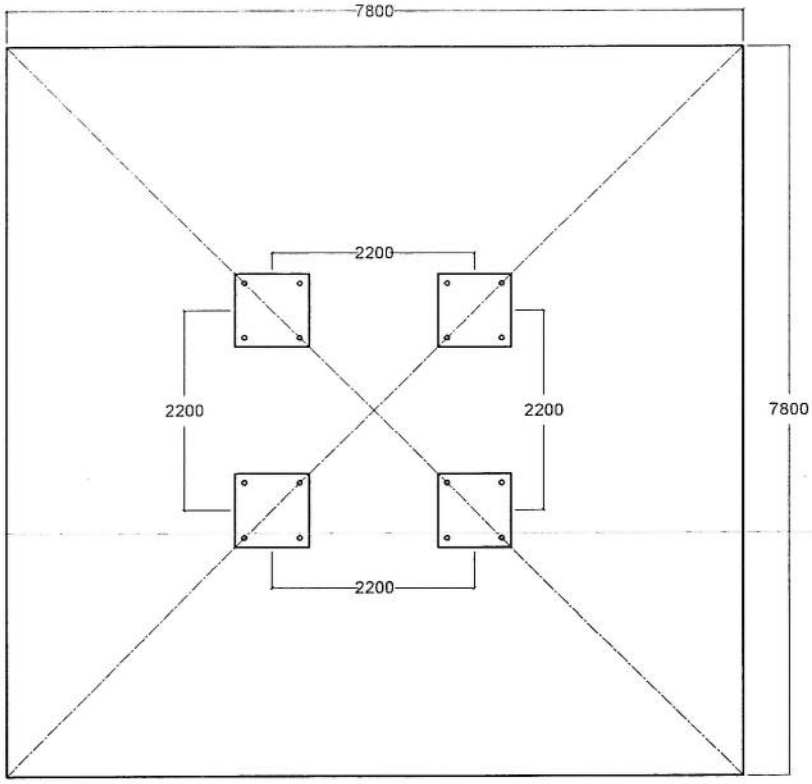
Title : NB TOWER 30M LADDER

Tower Type: TOWER NB

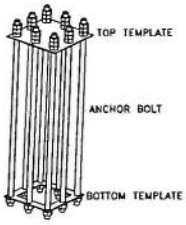
Project No.:

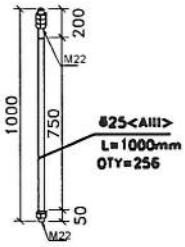
Scale: 1/11 | Ref. No. 00 | Sheet No. 10

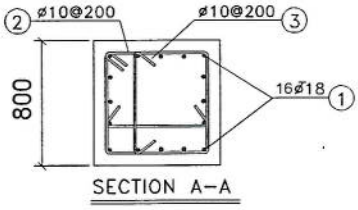




Notes:
1.All Diminutions are in mm.
2.F'c of concrete = 250 kg/cm^2.
3.Fy of longitudinal Bars = 4000 kg/cm^2.
4. Cover = 7.5 cm.
5.Soil Allowable Stress = 1.5~2 kg/Cm^2.
6.Concrete to be poured max in tow stages.
7.Concrete to confirm the specification.

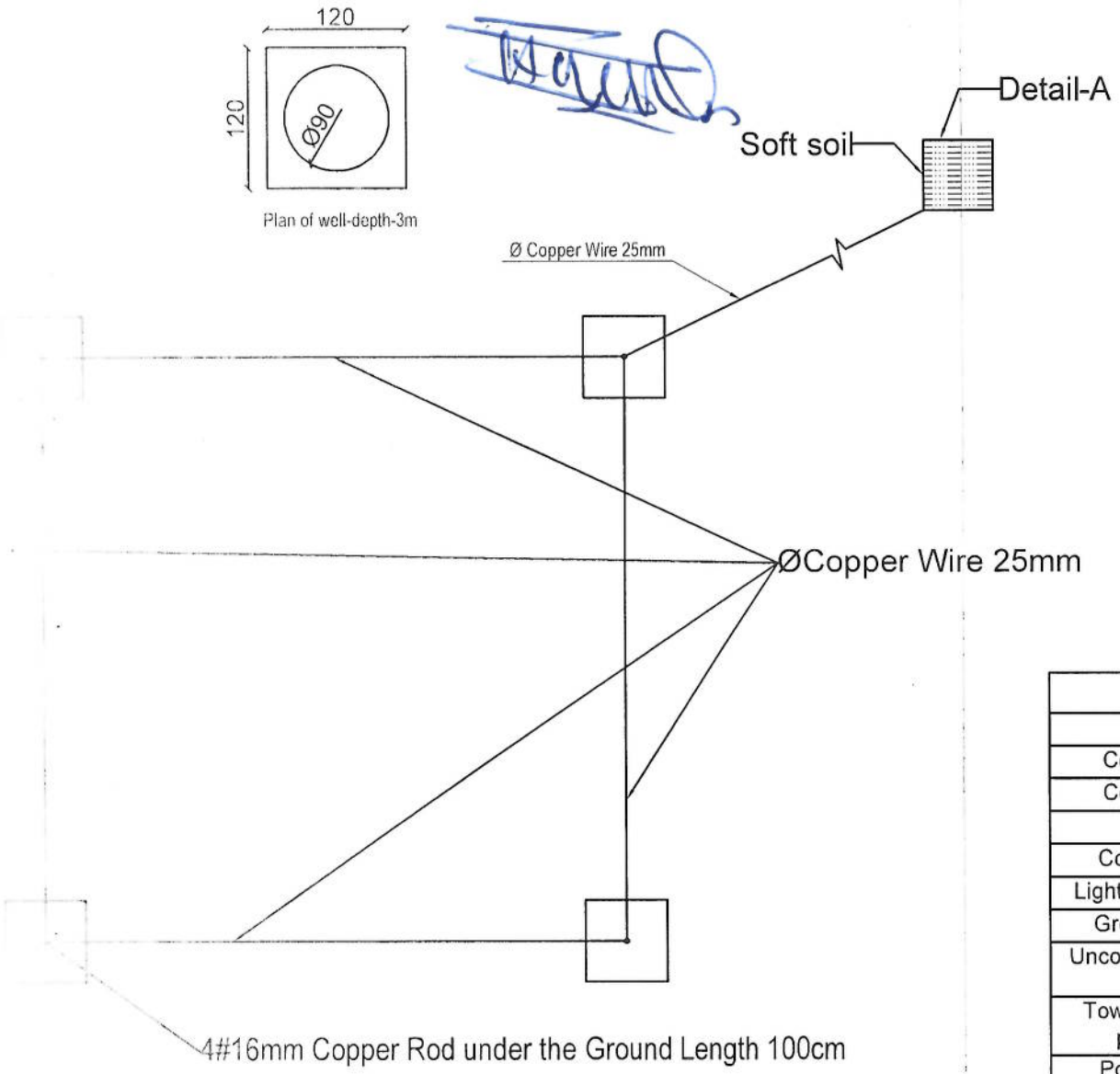


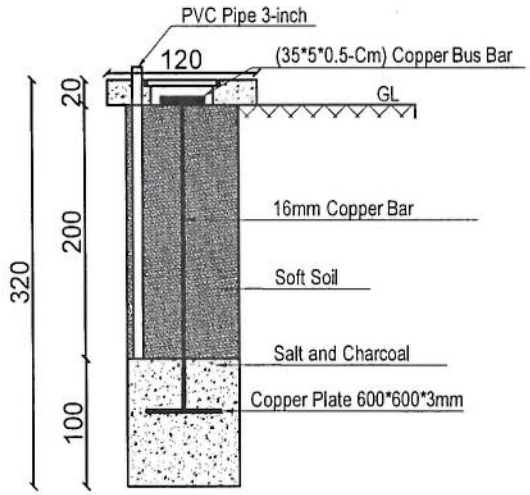




Bill of Material

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	450 450 400 450 450	16	2.20	59	130	204
Concrete Volume :38.55 m^3				Total Weight = 2216 kg		





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

Grounding system- well plan & section

SCALE: 1:75

REVISION RECORDS
ثبت تعدیلات

REVISION NO شماره تعدیل	DATE تاریخ	DESCRIPTION تشریحات

LEGEND: علایم:

PCC شته کانکریت

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

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

DRAWN BY: ترسیم:
CIVIL TEAM

CHECKED BY: کنترول:

APPROVED BY: منظوری:

SCALE: مقیاس:
1:75

ACTUAL DATE:
14 /05/ 2025

ISSUE DATE:

DRG.NO: 23

OWNER: مالک پروژه:
AFGHAN TELECOM

سلام Salaam Telecomunication Company
KABUL
AFGHANISTAN