

Site ID	FRH-040	تاریخ سروی		08/03/2026
New Lat	32.459572	New long	62.128662	
site location Name				
Kajkin Village (قریه کجکین)		District	بخش روستا	Province
FARAH				
TX connectivity data				
Front Site ID		New Repeater needed?		
Type of Property	Private?	yes	Gov?	NA?
Primary agreement with owner done?				
Property owner contact				
Contract Agreement Negotiated?				
yes:		No:		
Site type	RT:	GF: Yes		
Land type				
Desert level	Hill	Mountainouse	City	Rural
		Yes		Rocky
Access Road available				
Yes: v		No:		
Access road needed				
Length:		Width:		
Needed tower type	GF	Yes	GM	RT
Needed tower height	30m			
Boundary wall needed				
Boundary wall length				
Guardroom needed				
Toilet/Washroom				
Wall Fence needed				
Comments about access				
road				
Location photo record				
General view		Paranomic (45°) 8 photos		
Access road Direction				
Surveyer details(name contact...etc				
عبدالصمد "ریس" مجاورت ولایت قزاقستان		0702381714		
حافظ شجاع الرحمن "عمری" مدیر ایتر		0700693212		
نجیب الله "نجیب" مسول ولایتی افغان تیلی کام		0744858560		
General Comments:				

موقعیت فوق نایزی به سری نایز.

مطابق نقشه پروژه دهه لات سوم بی ای ای صرف برای سایت های شامل پروژه بی ای ای

**STANDARD DRAWING  
DETAILED DESIGN DRAWING**

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LIGHTNING ARRESTER

OBSTRUCTION LIGHT

30.0m STANDARD DUTY TOWER

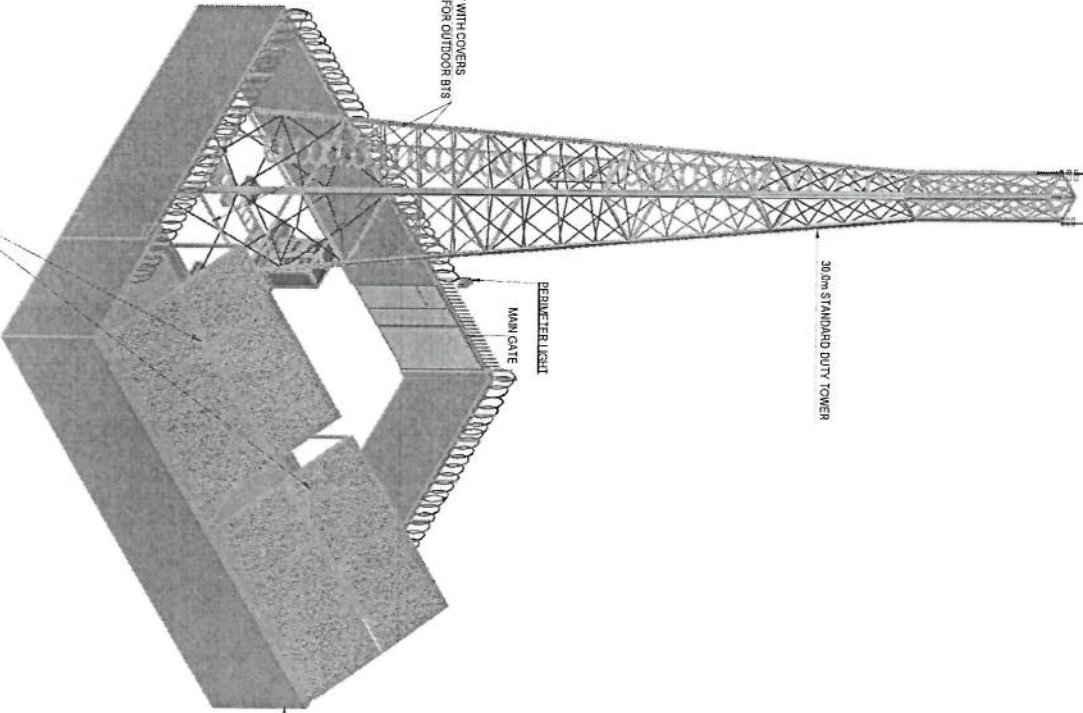
CABLE TRAY WITH COVERS  
AND SUPPORTS FOR OUTDOOR BITS

PERIMETER LIGHT

MAIN GATE

SOLAR PANELS

PERIMETER WALL

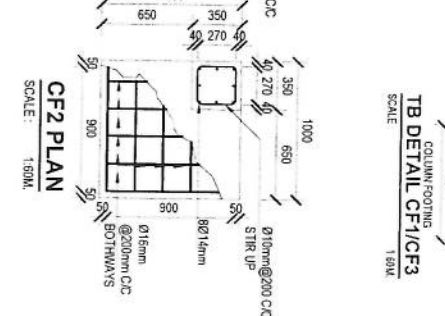
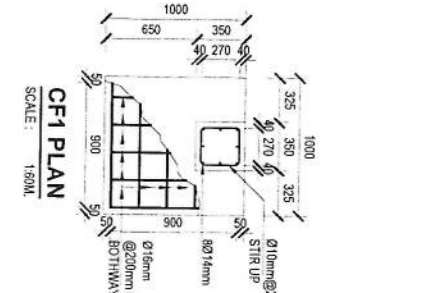
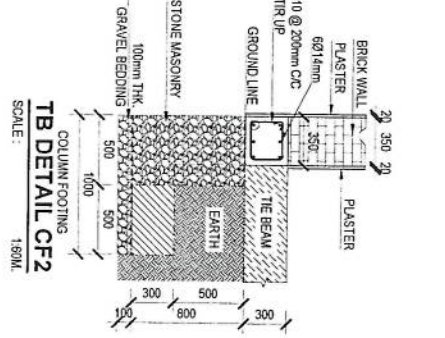
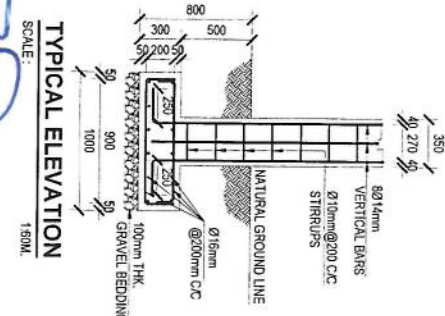
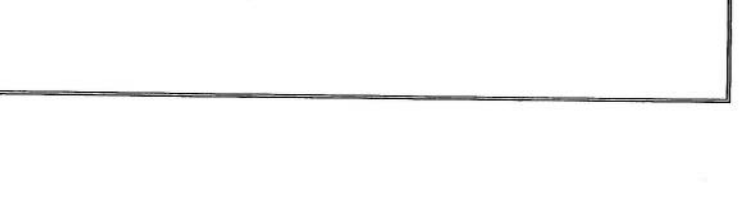
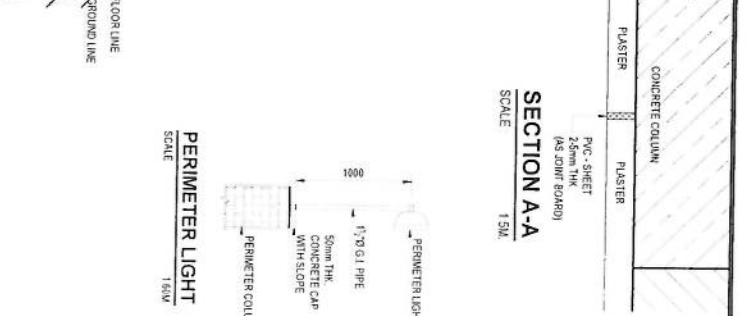
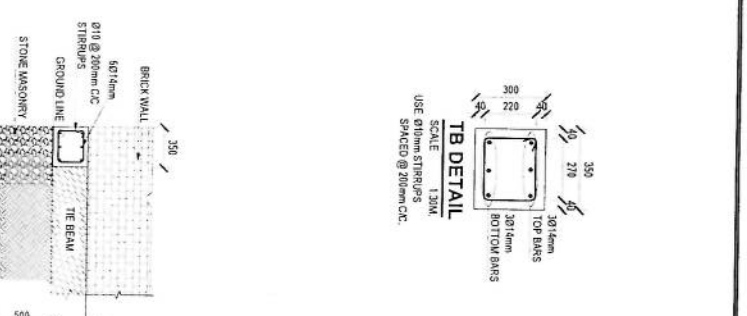
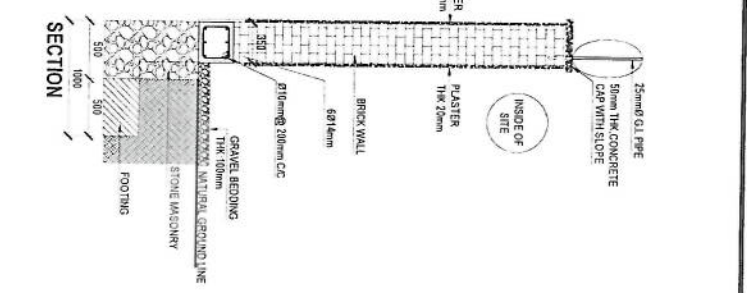
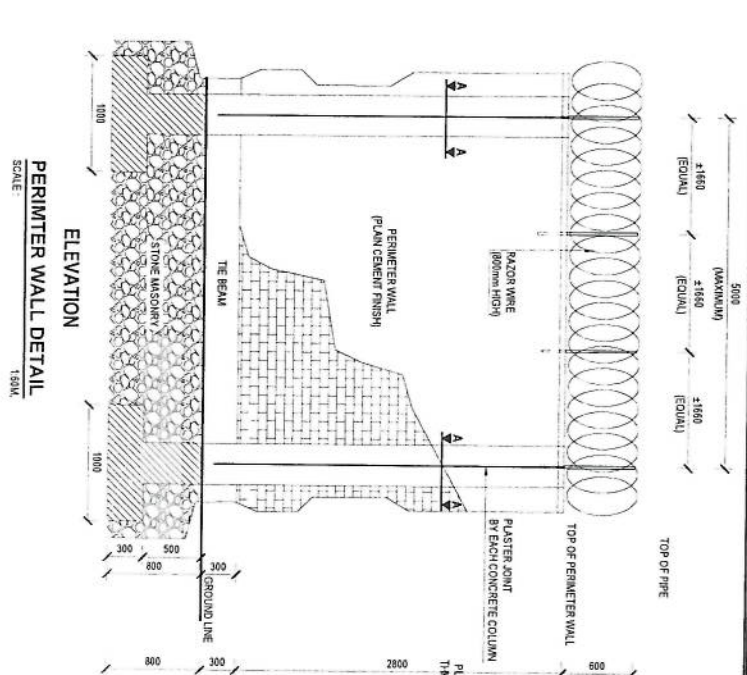


TOWER HEIGHT - 30.0m, SO TOWER

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**PERSPECTIVE**  
SCALE

M/S



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**TYPICAL ELEVATION**  
SCALE: 1:50M

**TB DETAIL CF2**  
SCALE: 1:50M

**CF1 PLAN**  
SCALE: 1:50M

**CF2 PLAN**  
SCALE: 1:50M

**PERIMETER LIGHT**  
SCALE: 1:50M

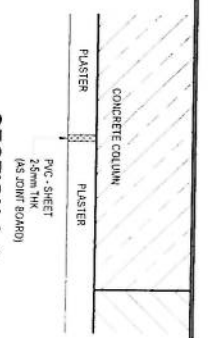
**ELEVATION PERIMETER WALL DETAIL**  
SCALE: 1:50M

**SECTION**

**TB DETAIL CF1/CF3**  
SCALE: 1:50M

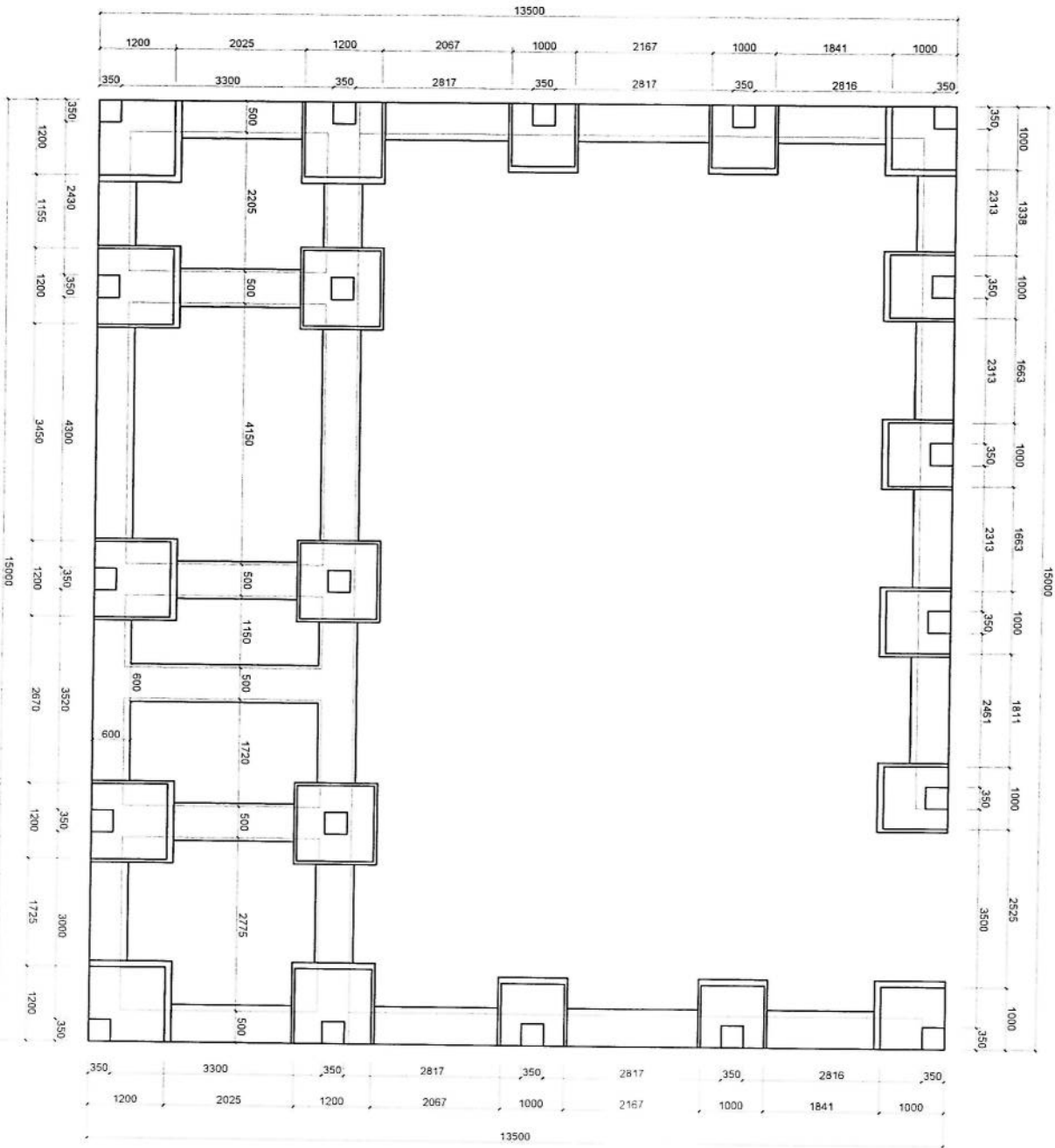
**PERIMETER LIGHT**  
SCALE: 1:50M

**SECTION A-A**  
SCALE: 1:5M



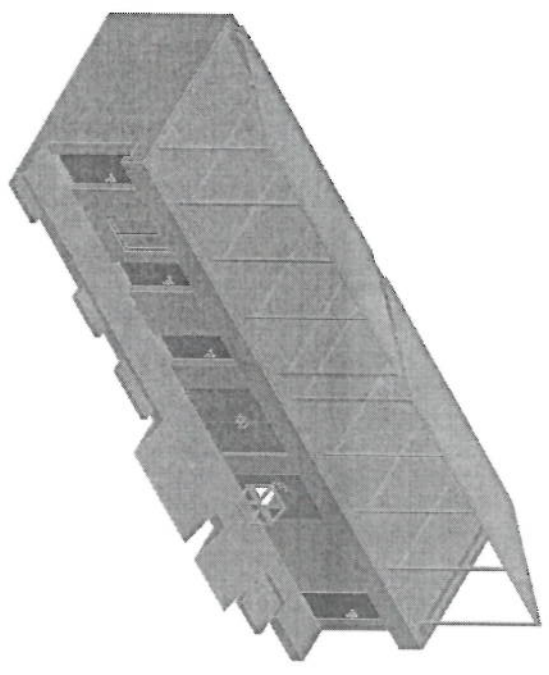


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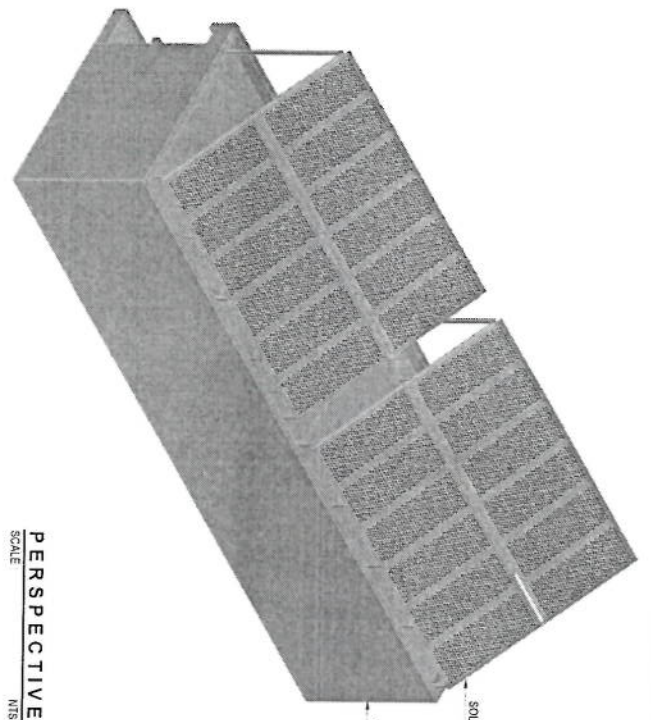


**FOUNDATION PLAN**  
SCALE: 1:125

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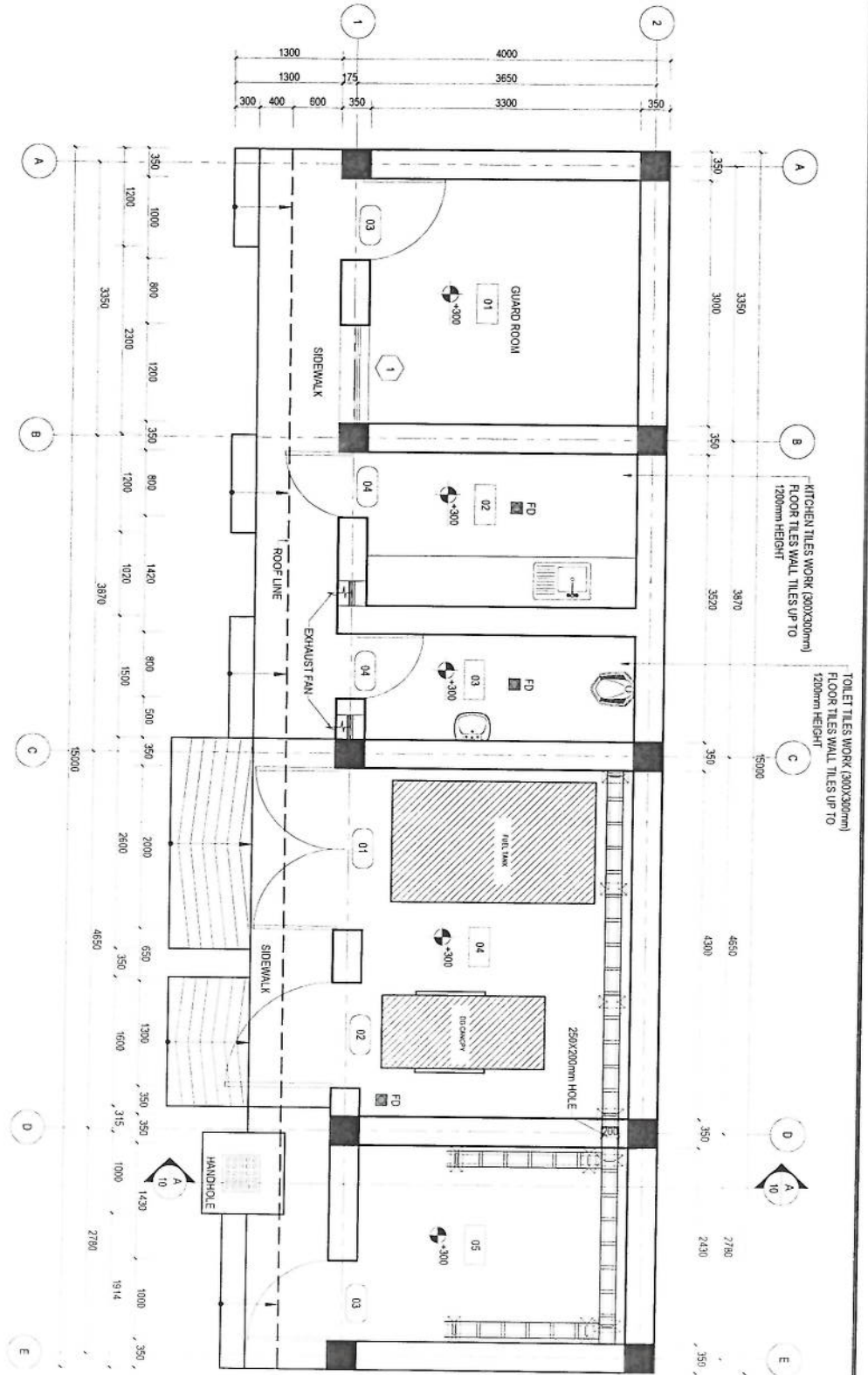


**PERSPECTIVE**  
SCALE  
MPS



PERIMETER WALL

SOLAR PANELS

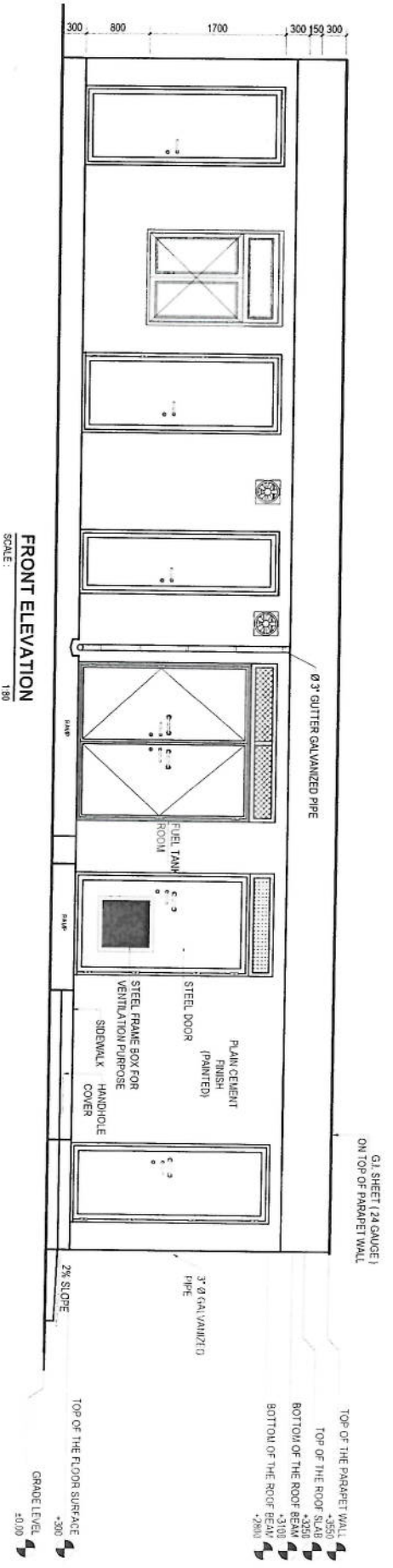


NOTE  
1. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.

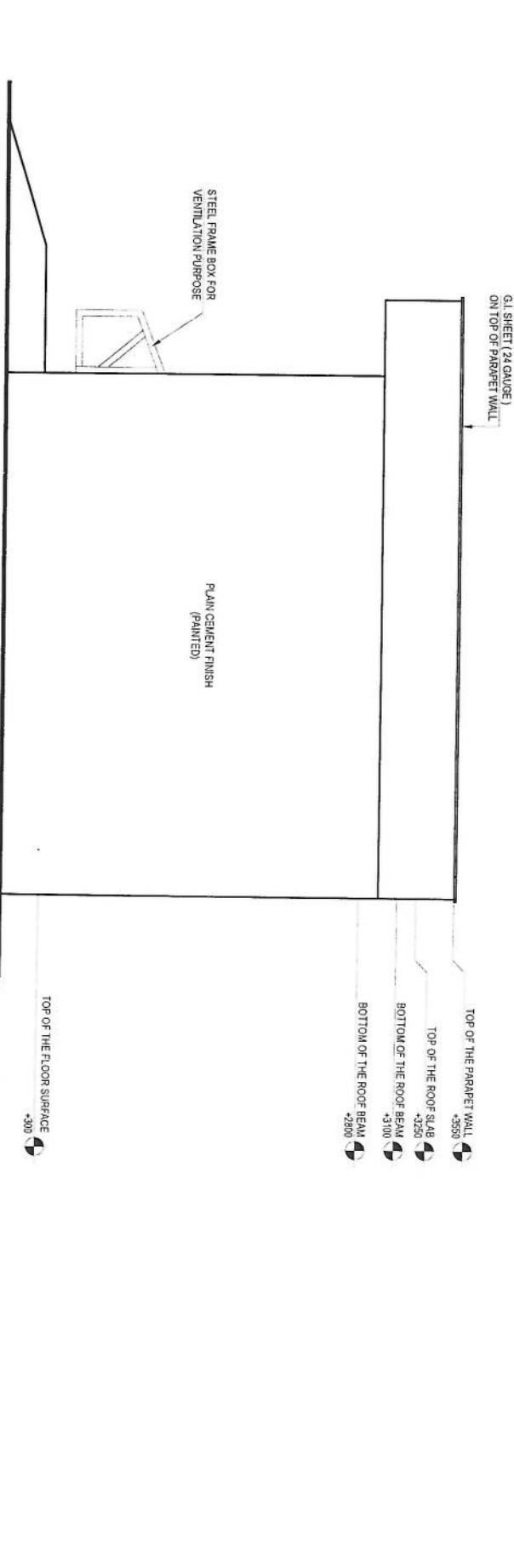
**FLOOR PLAN**  
SCALE 1:80

- HATCH LEGEND**
- PLAIN CONCRETE CEMENT
  - BRICK WORK
  - OVERHEAD STRUCTURE
  - REINFORCEMENT COLUMN
  - DOWN
  - FLOOR DRAIN
  - ELEVATION
- ROOM LEGEND**
- 01 GUARD ROOM
  - 02 KITCHEN
  - 03 TOILET
  - 04 FUEL TANK AND DG ROOM
  - 05 BATTERIES ROOM

*Handwritten signature in blue ink.*

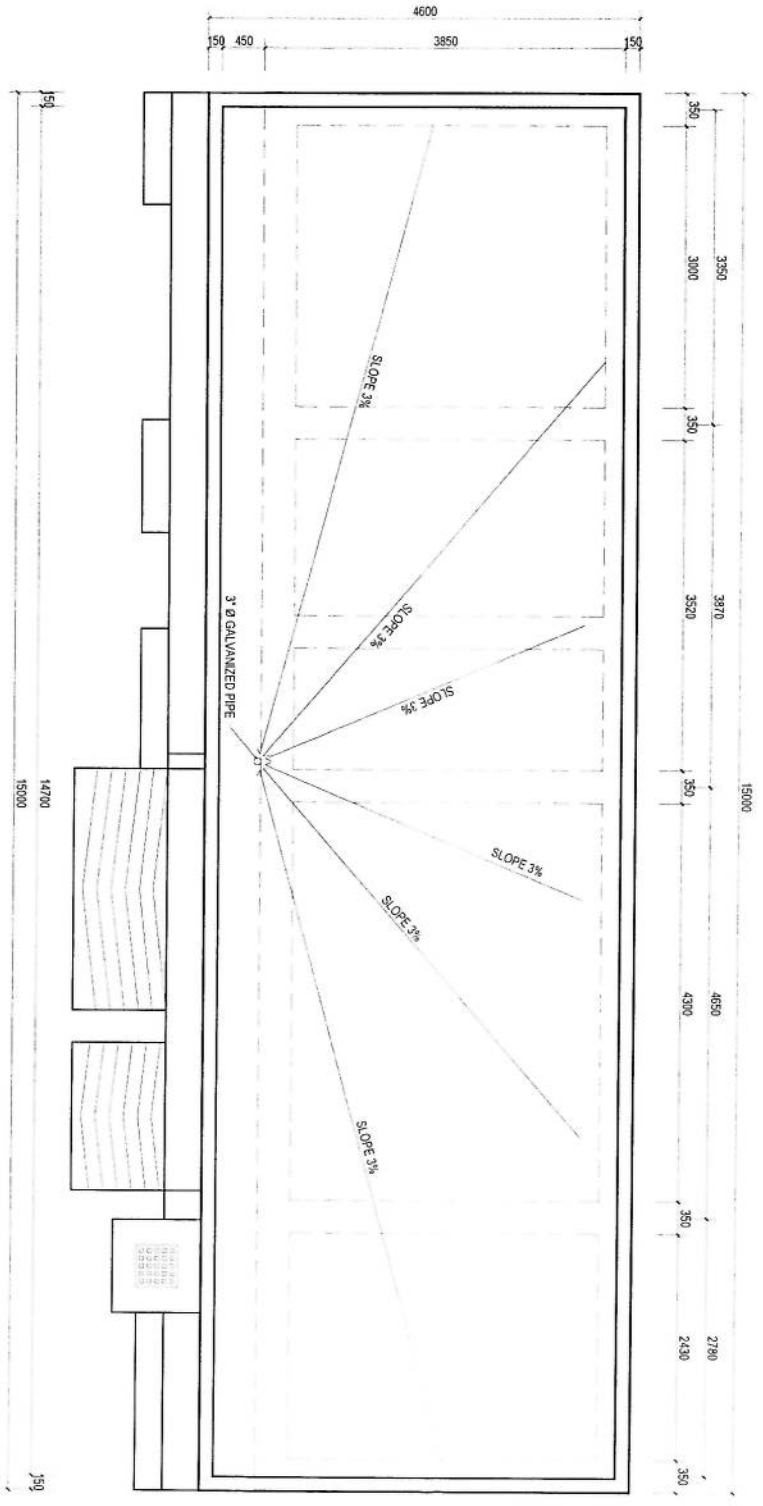


**FRONT ELEVATION**  
SCALE: 1/80



**RIGHT ELEVATION**  
SCALE: 1/50

*[Handwritten signature]*

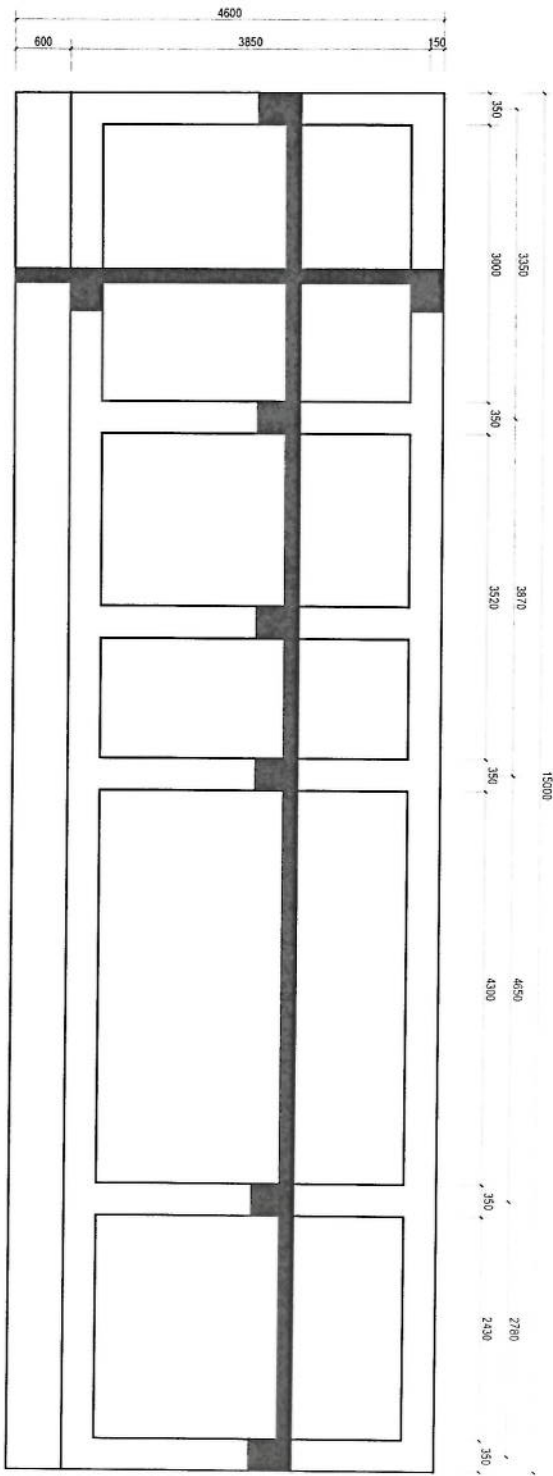


**ROOF PLAN**  
SCALE: 1:80

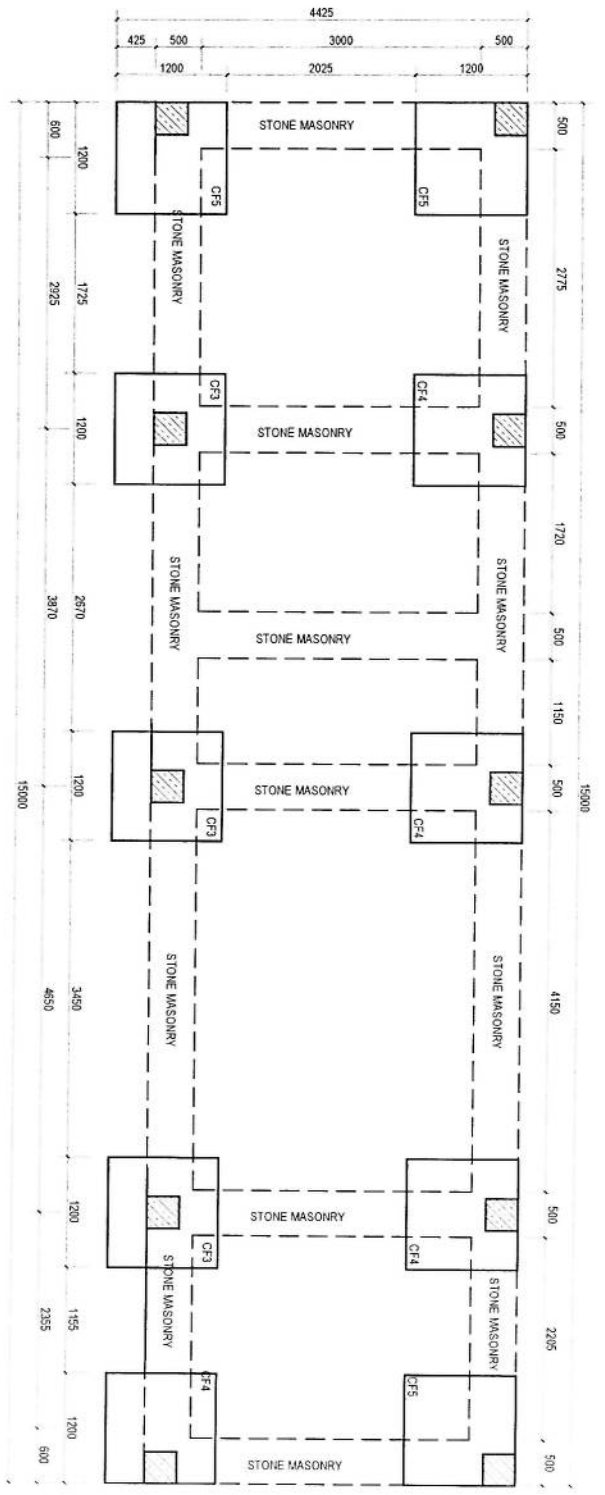
- NOTE
1. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
  2. ROOF SLOPE 3%

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*Handwritten signature*

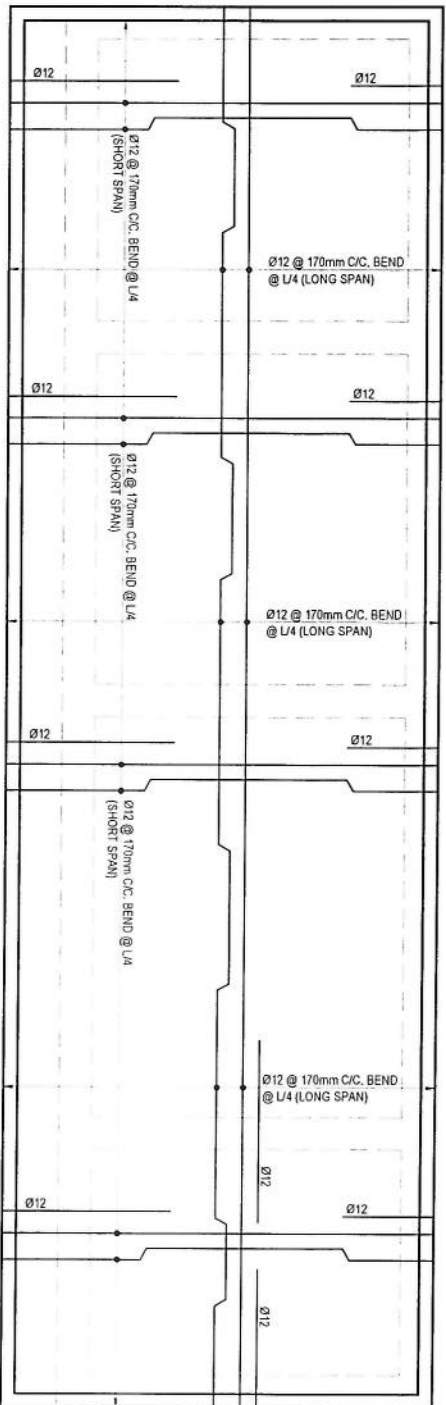


**SHUTTERING PLAN**  
SCALE 1:80



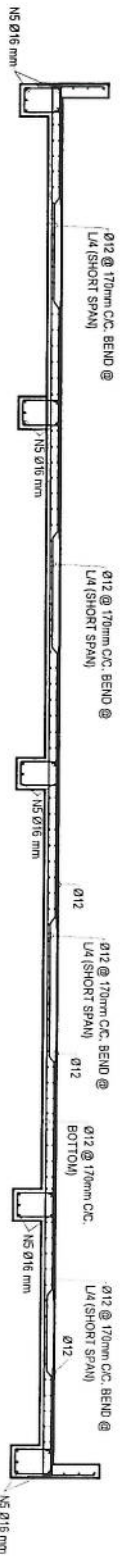
**FOUNDATION PLAN**  
SCALE 1:80



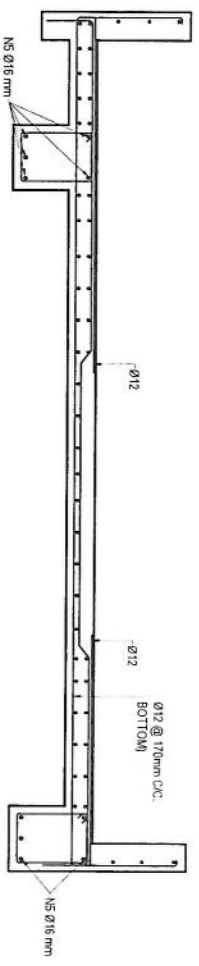


**ROOF SLAB REINFORCEMENT PLAN**  
SCALE: 1:80

- NOTE**
1. CONCRETE MIX RATIO SHOULD BE SUCH THAT 28 DAYS STRENGTH MUST BE 16-2000 psi.
  2. DEFORMED BARS 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 AMCC SITE ENGINEER.

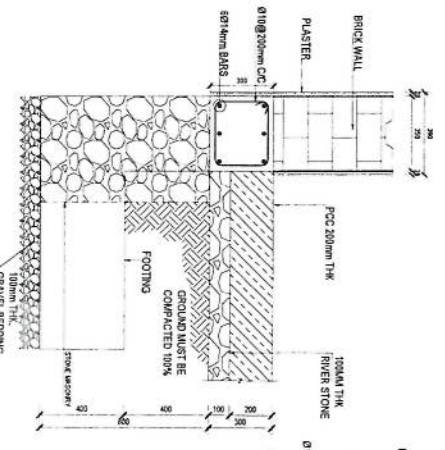


**ROOF SLAB SECTION**  
SCALE: 1:80

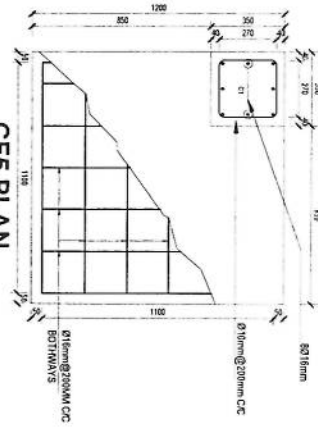


**SECTION G-G**  
SCALE: 1:40

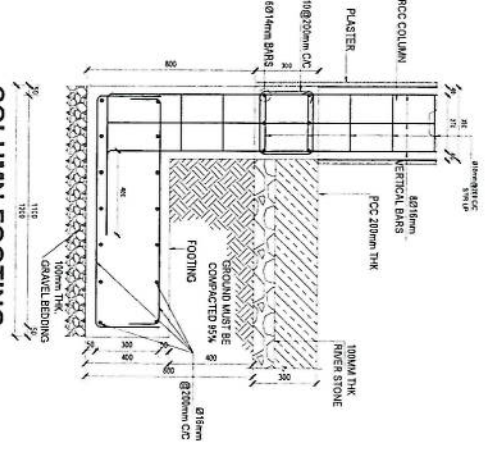
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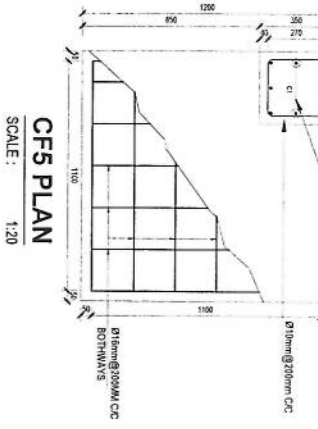
**COLUMN FOOTING**  
SCALE: 1:20



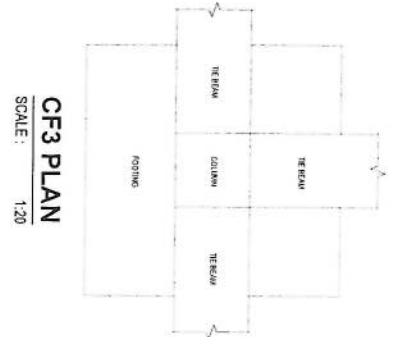
**CF5 PLAN**  
SCALE: 1:20



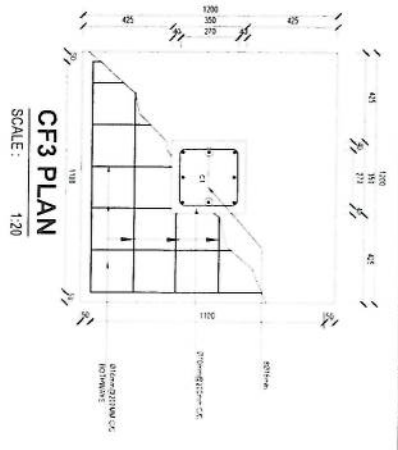
**COLUMN FOOTING**  
SCALE: 1:20



**CF5 PLAN**  
SCALE: 1:20



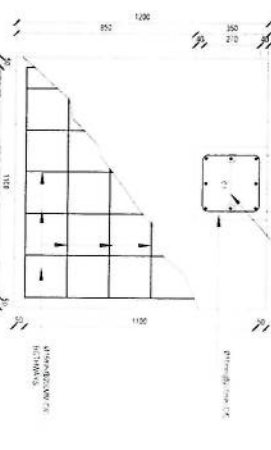
**CF3 PLAN**  
SCALE: 1:20



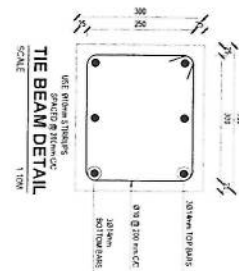
**CF3 PLAN**  
SCALE: 1:20



**CF4 PLAN**  
SCALE: 1:20



**CF4 PLAN**  
SCALE: 1:20



**THE BEAM DETAIL**  
SCALE: 1:10

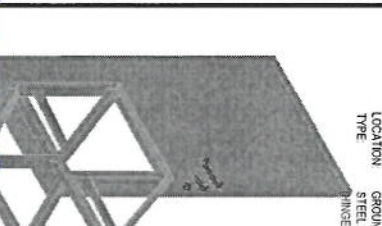
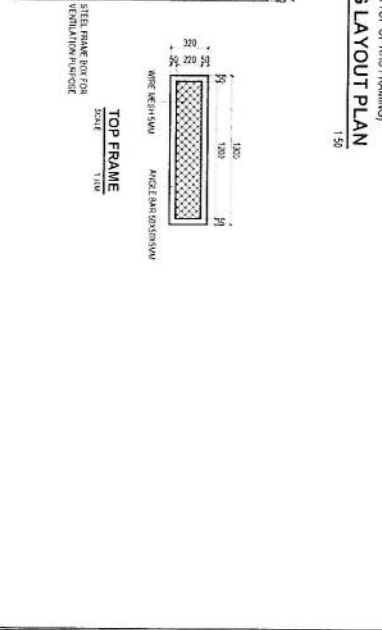
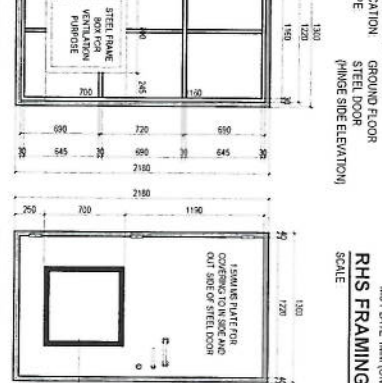
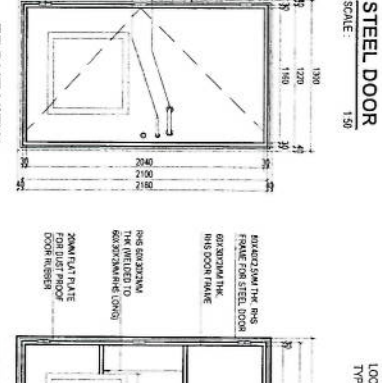
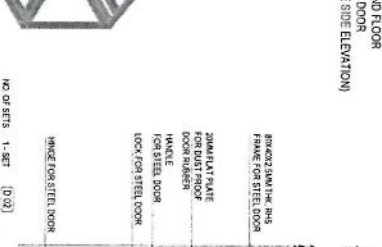
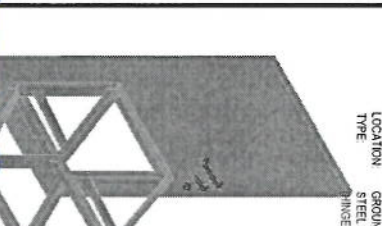
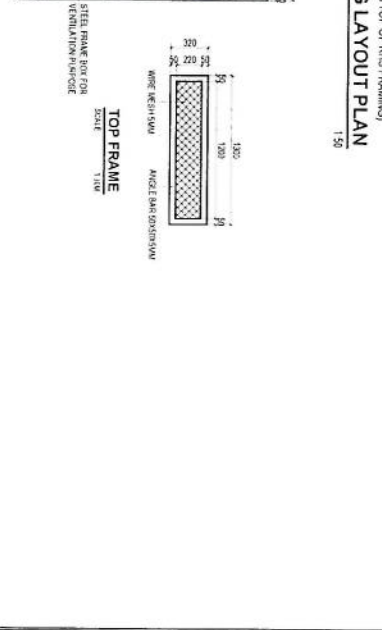
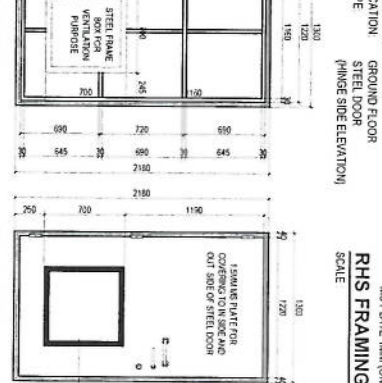
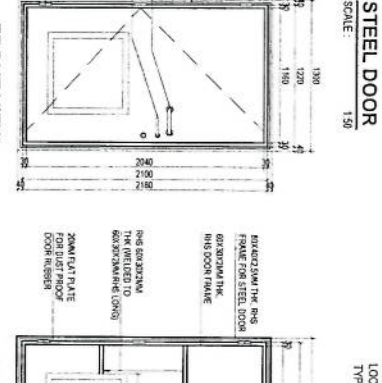
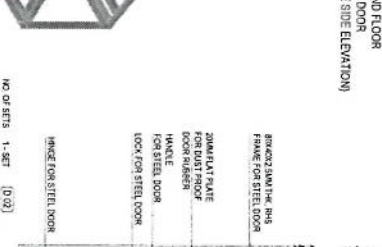
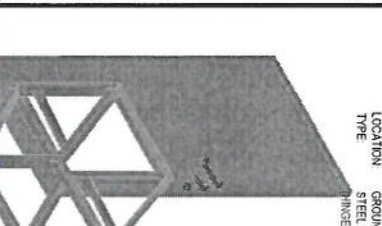
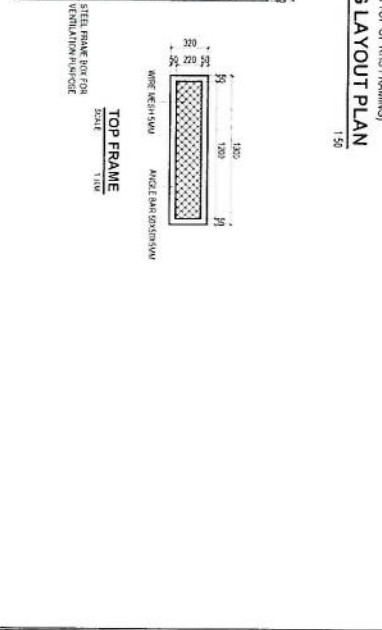
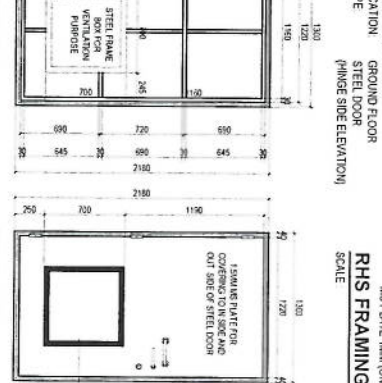
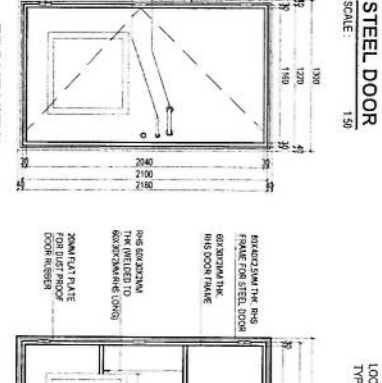
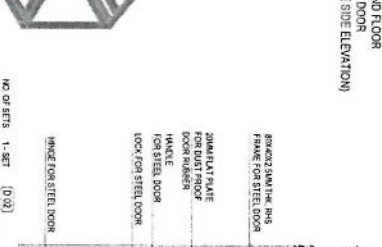
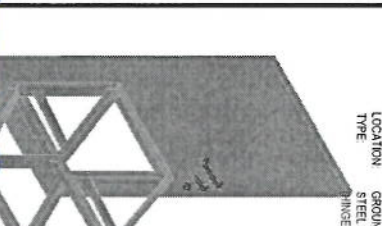
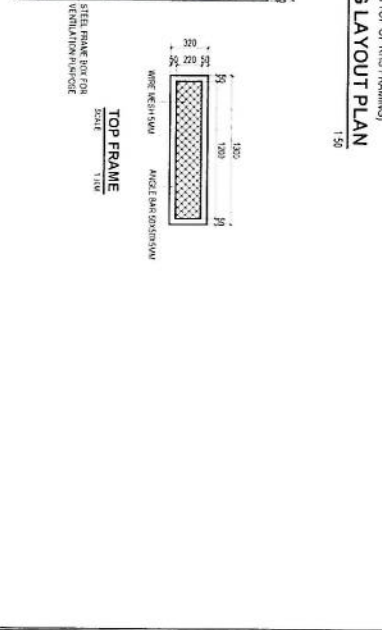
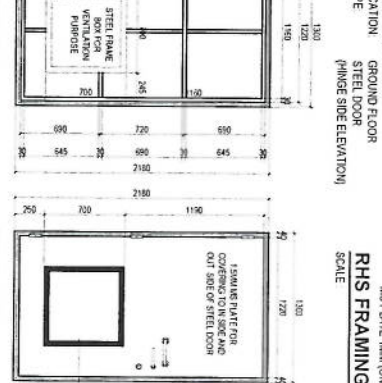
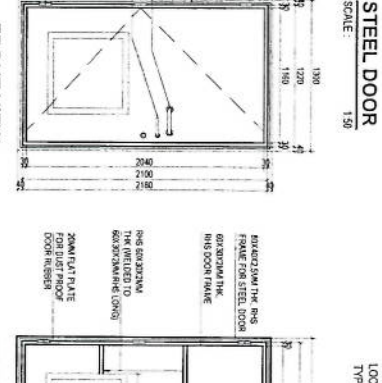
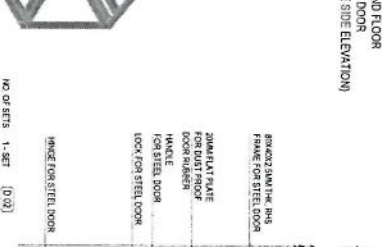
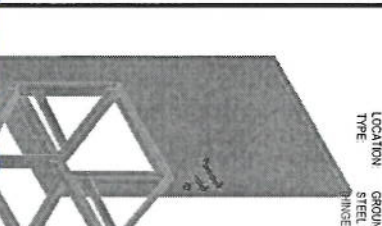
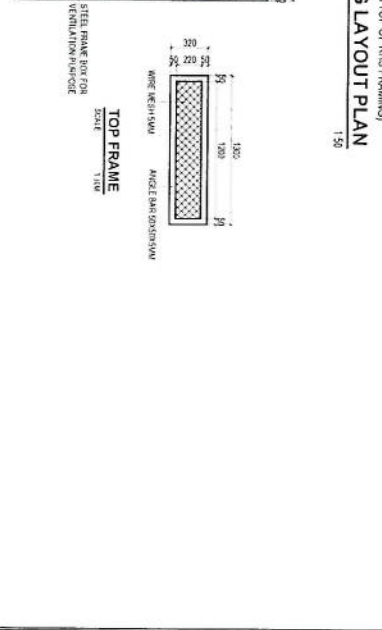
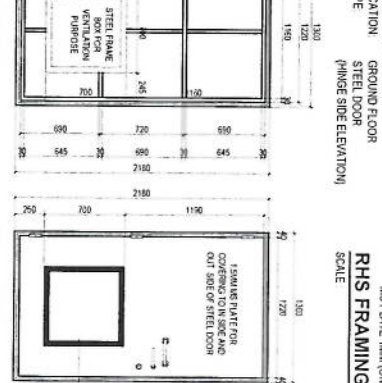
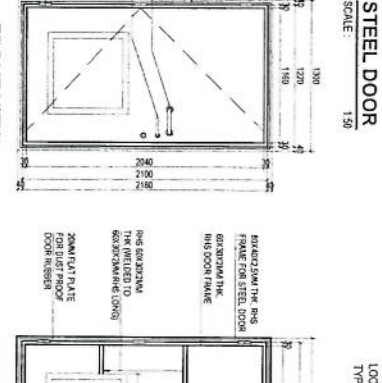
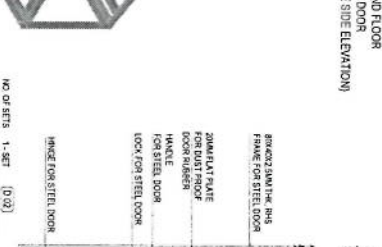
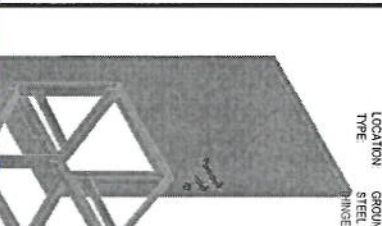
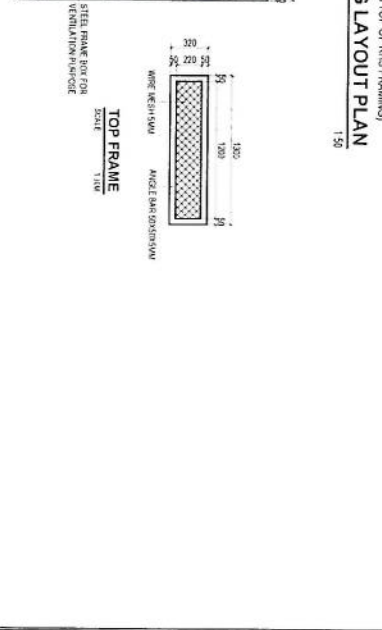
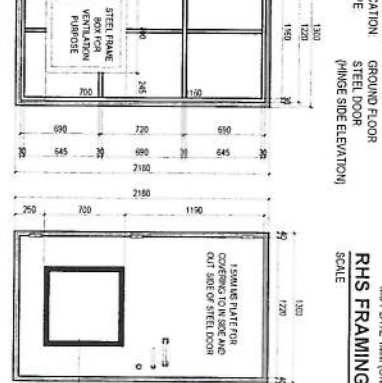
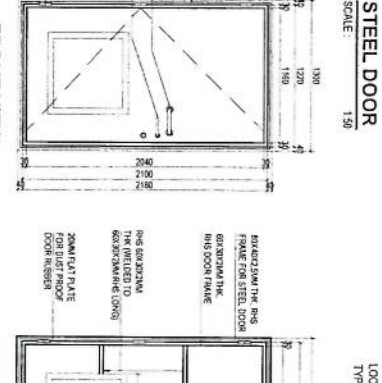
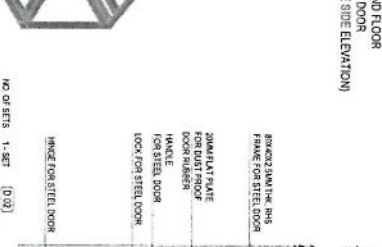
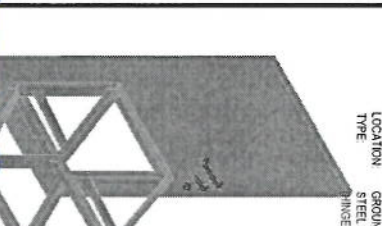
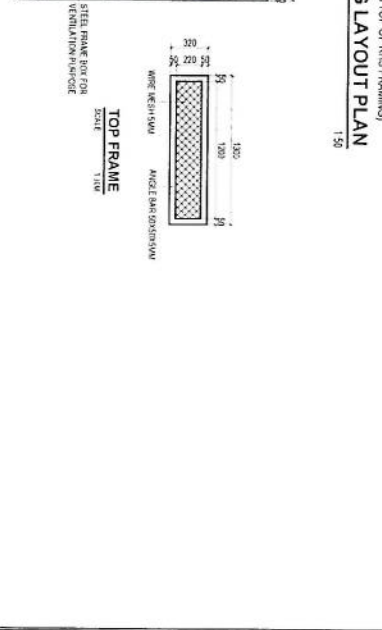
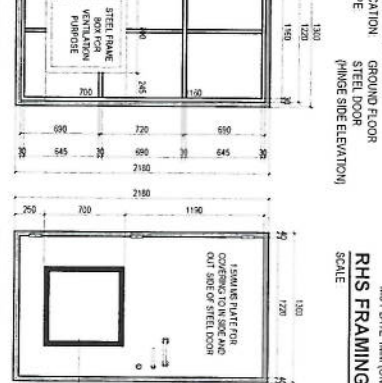
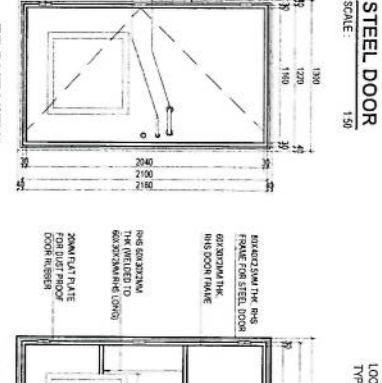
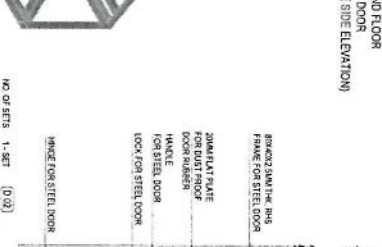
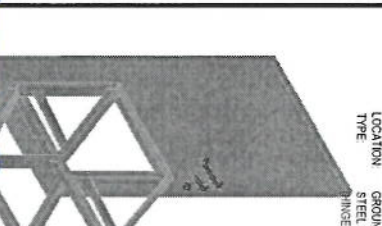
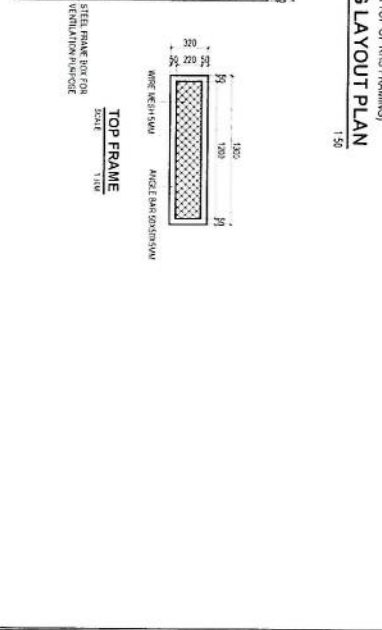
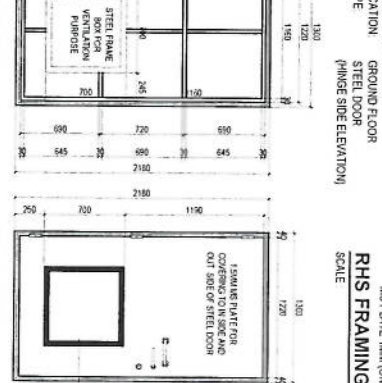
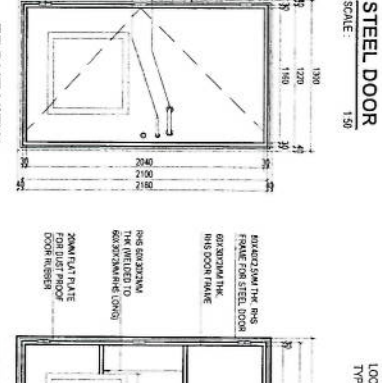
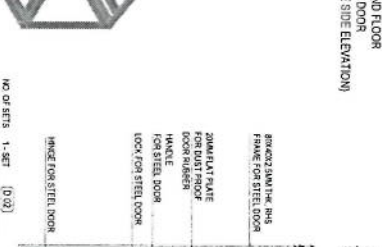
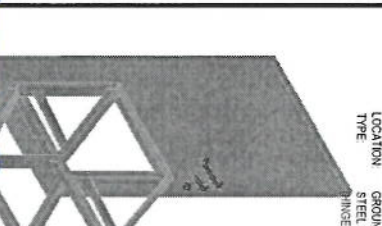
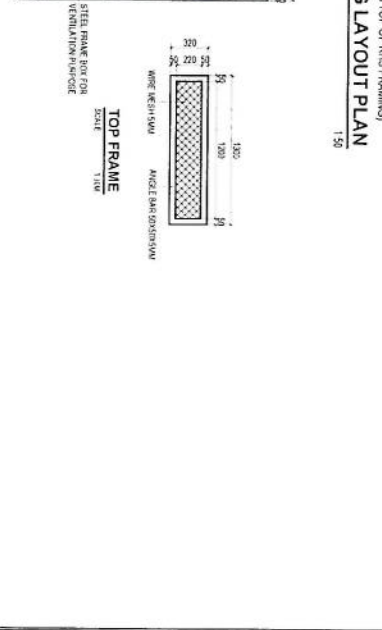
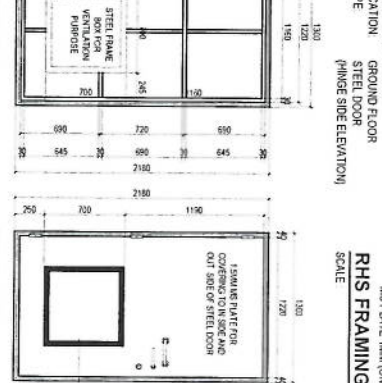
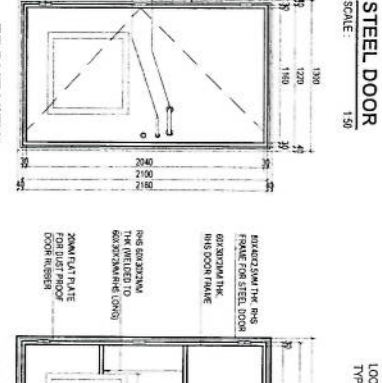
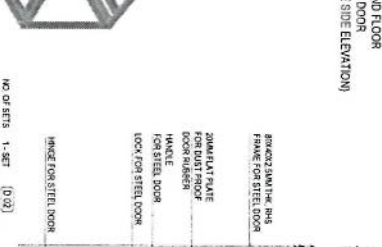
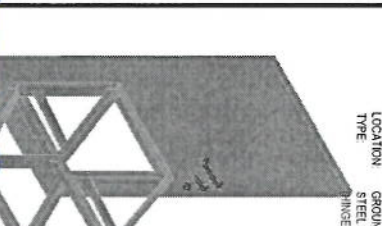
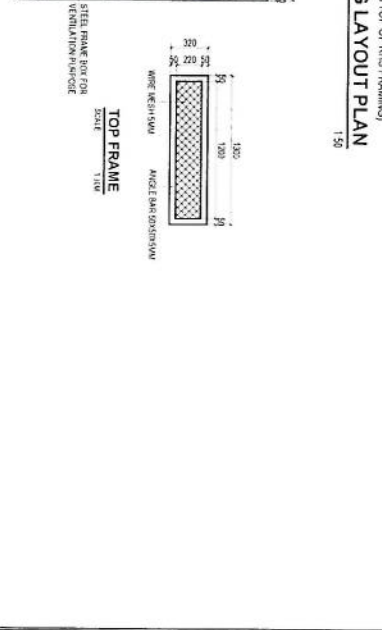
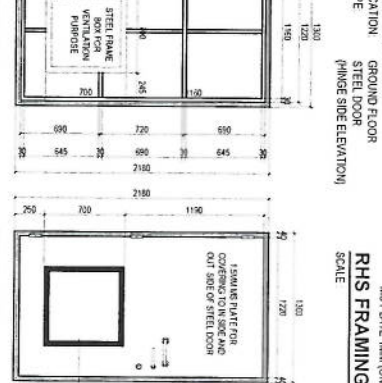
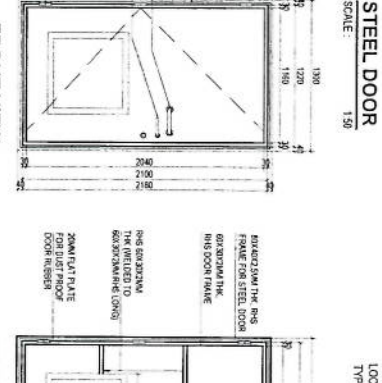
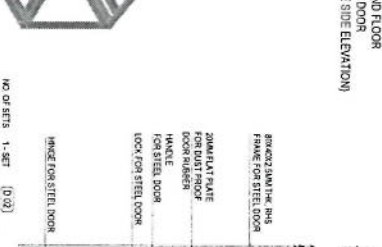
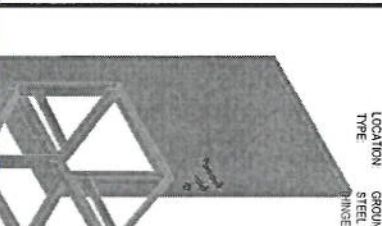
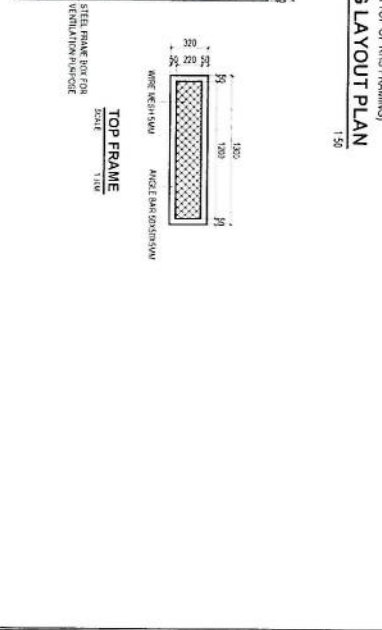
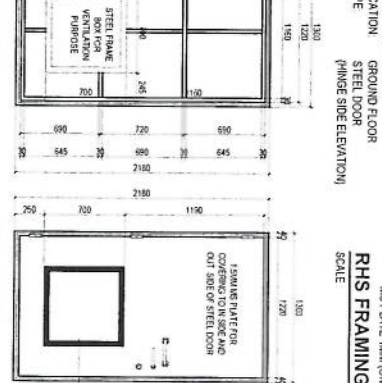
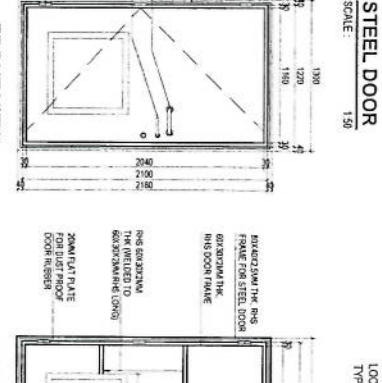
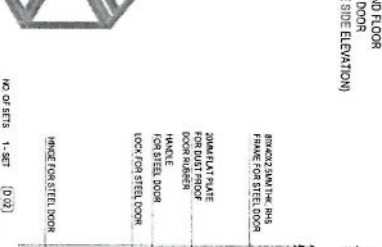
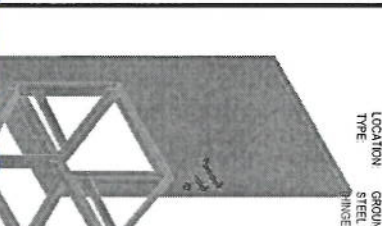
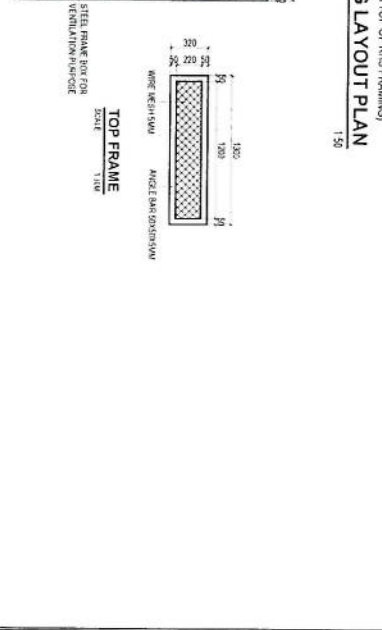
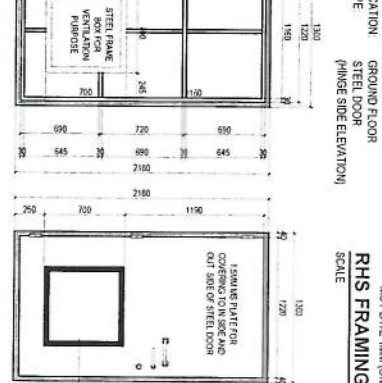
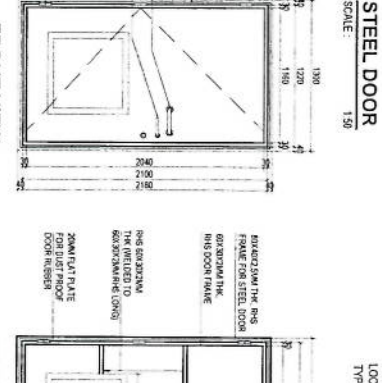
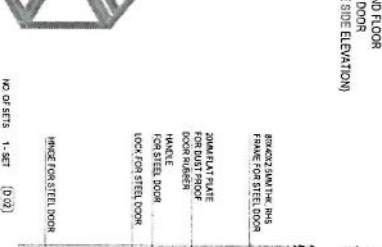
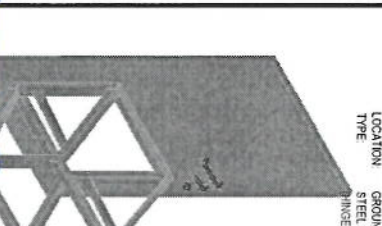
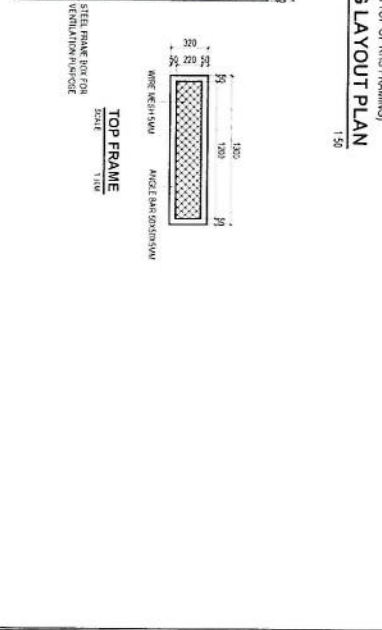
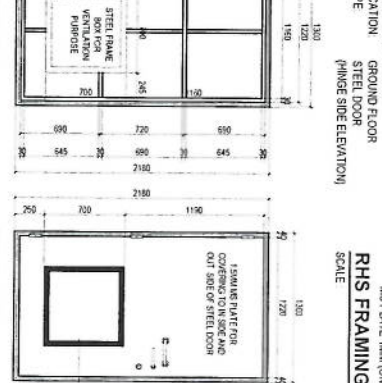
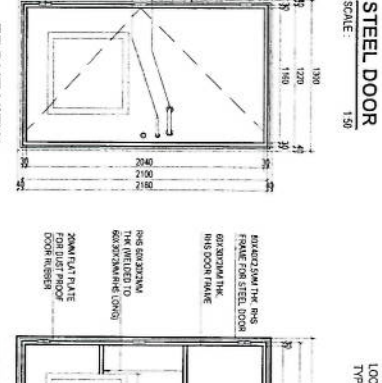
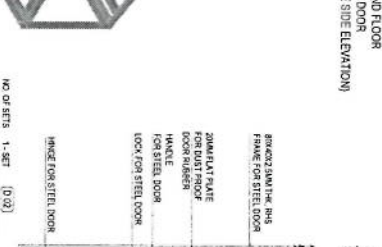
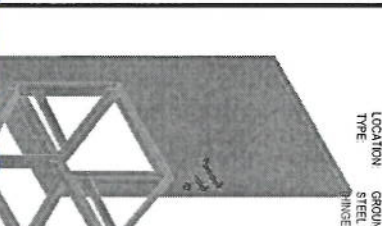
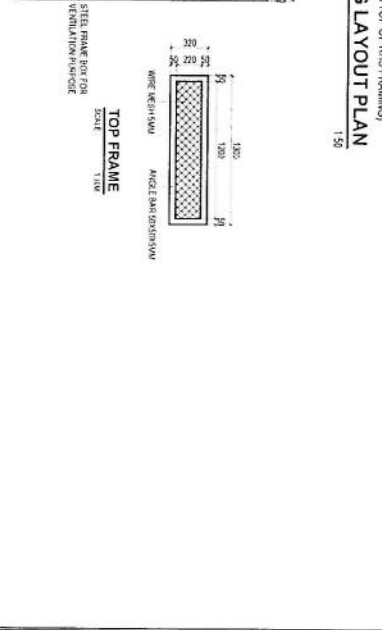
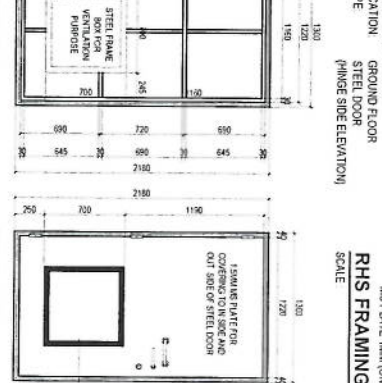
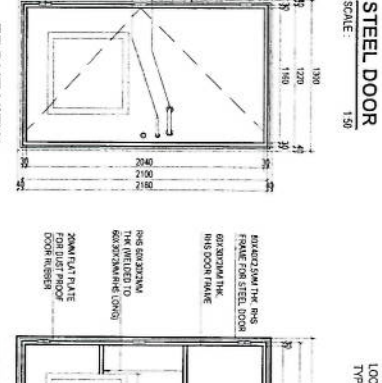
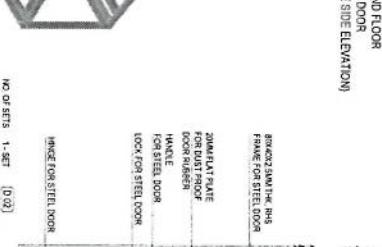
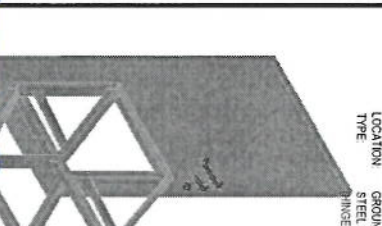
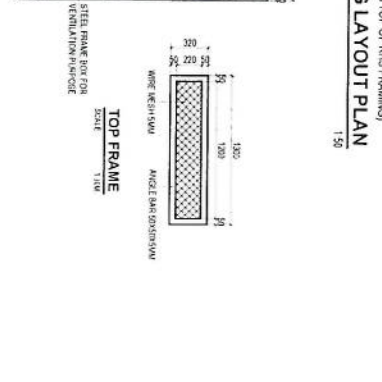
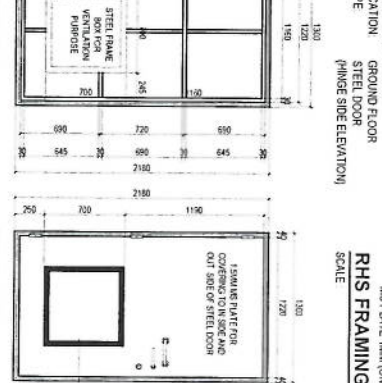
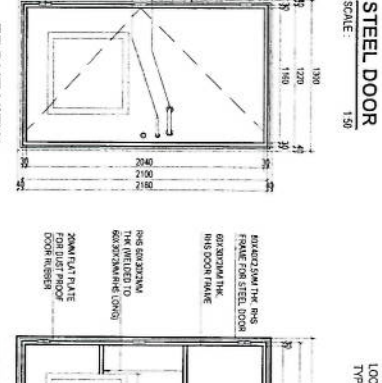
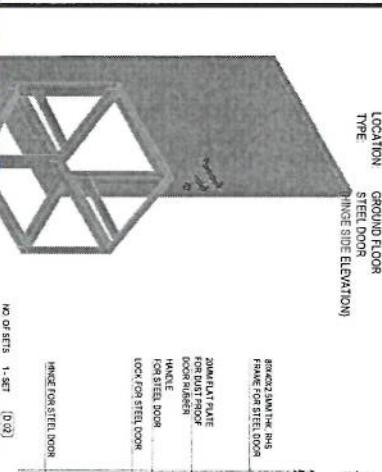
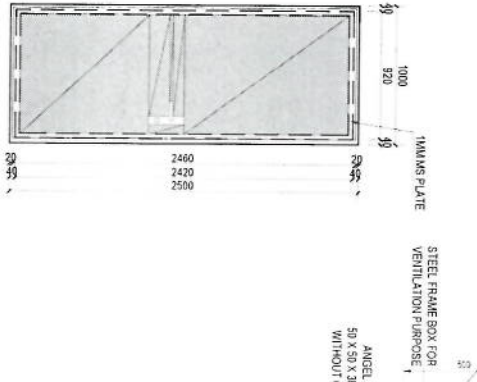
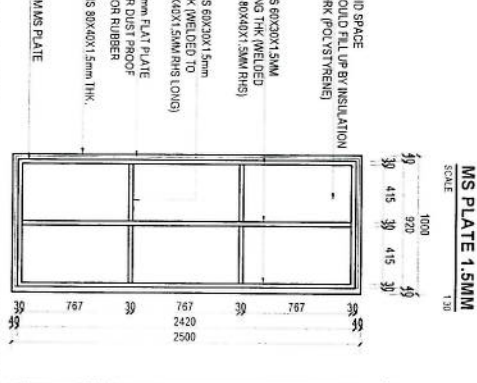
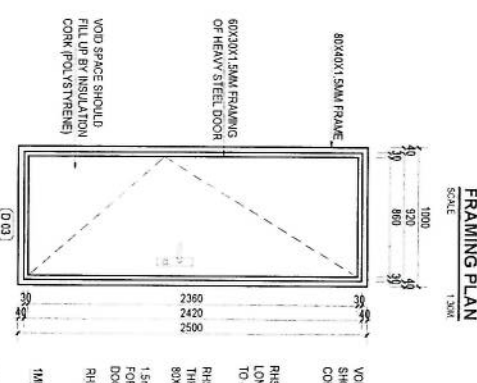
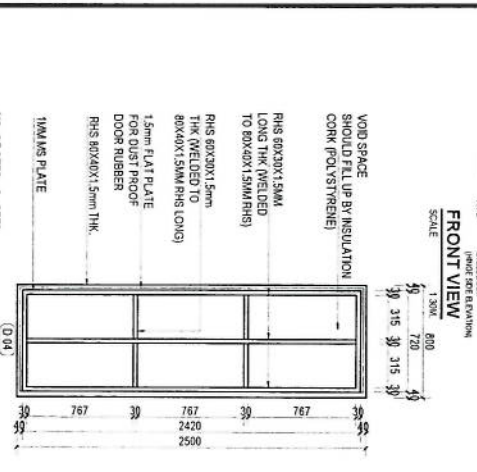
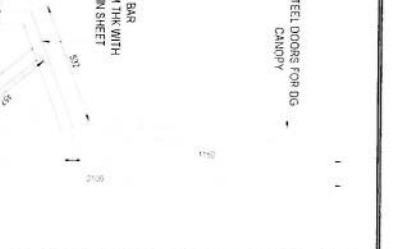
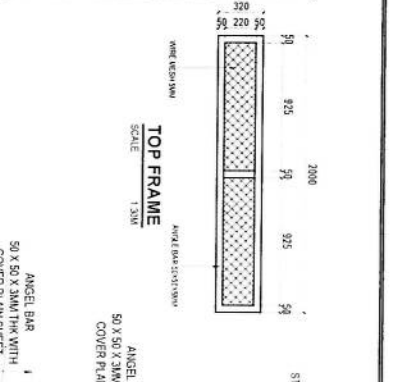
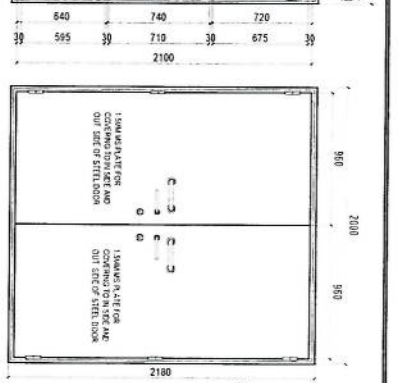
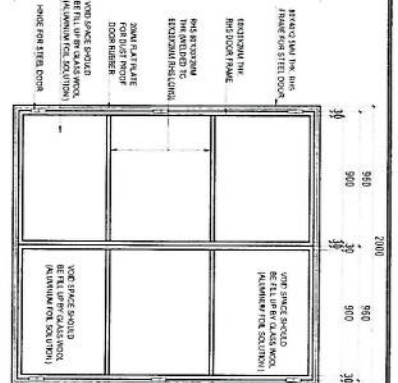
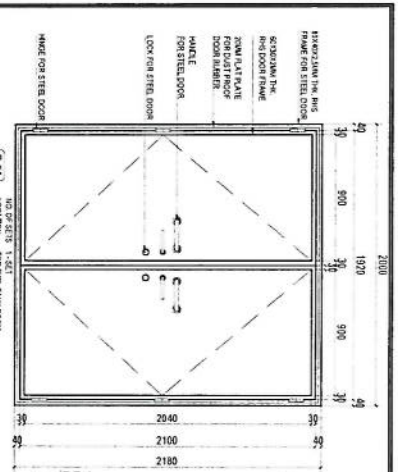


**CF5 PLAN**  
SCALE: 1:20

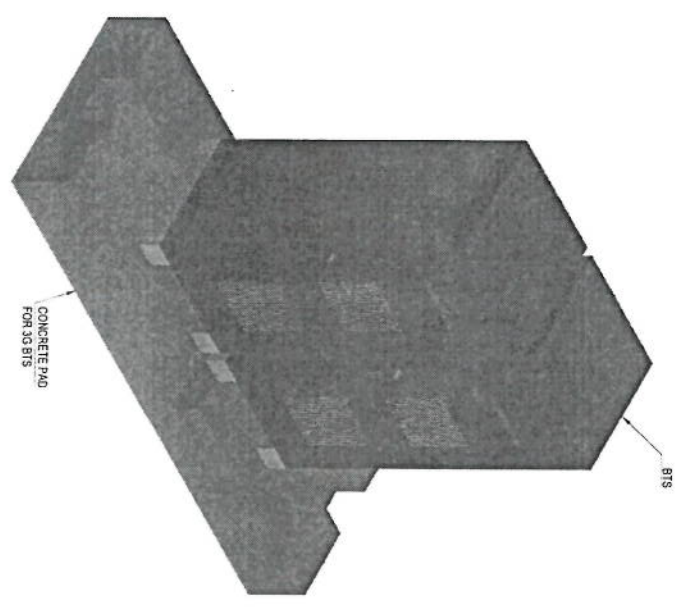


**CF5 PLAN**  
SCALE: 1:20

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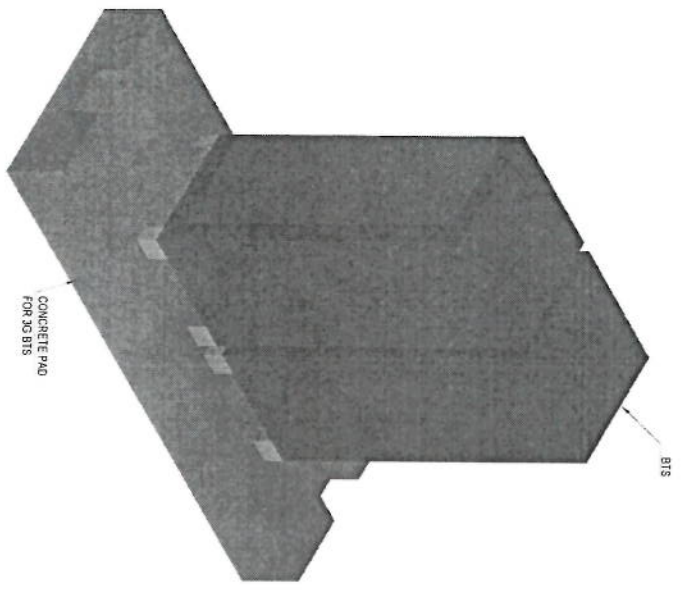
*Handwritten signature*



CONCRETE PAD  
FOR 30 BITS

313

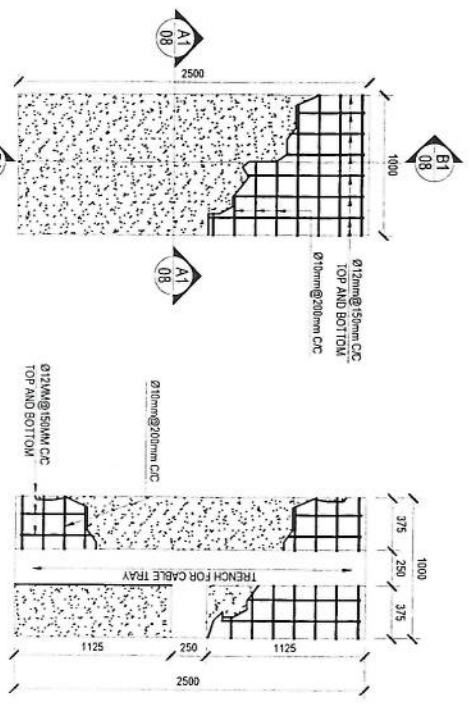
**3D VIEW PLAN**  
SCALE: 1/4"=1'



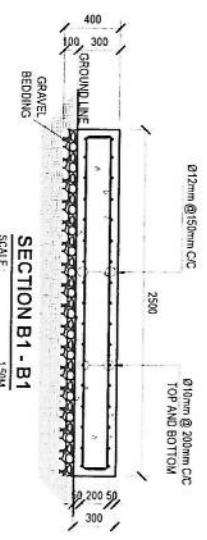
CONCRETE PAD  
FOR 30 BITS

313

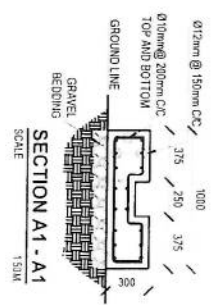
**3D VIEW PLAN**  
SCALE: 1/4"=1'



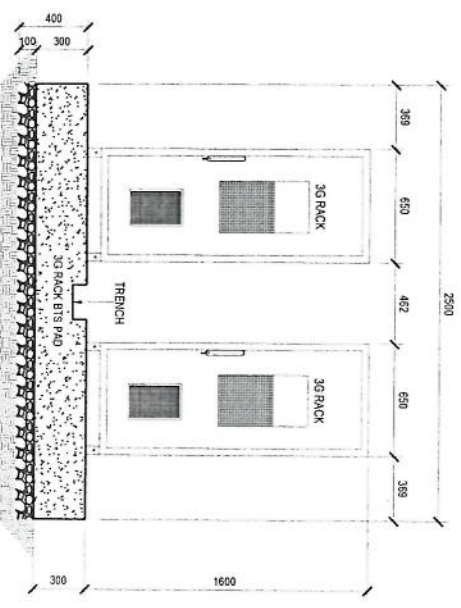
**OUT DOOR BTS CONCRETE PAD DETAIL**  
SCALE: 1:50M



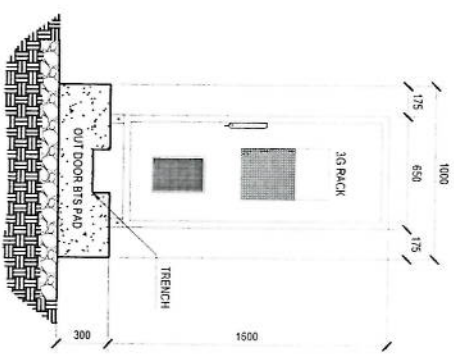
**SECTION B1 - B1**  
SCALE: 1:50M



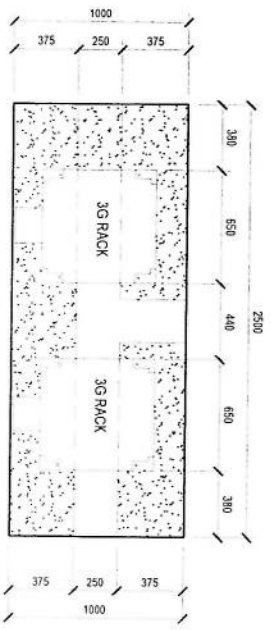
**SECTION A1 - A1**  
SCALE: 1:50M



**OUT DOOR BTS RACKS & PAD FRONT VIEW**  
SCALE: 1:40M



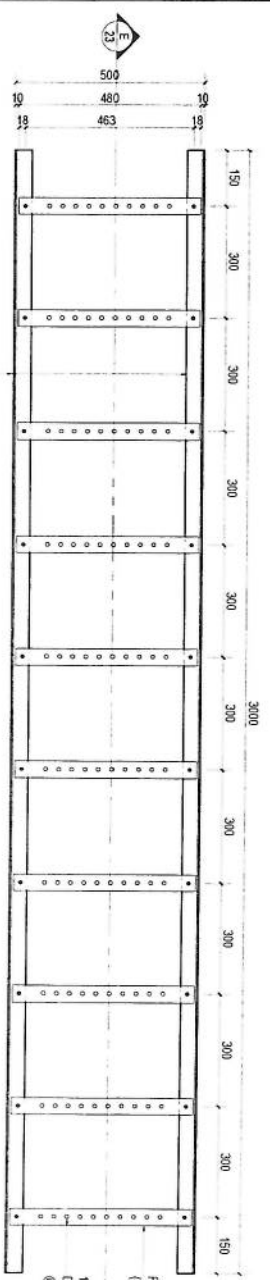
**OUT DOOR BTS RACKS & PAD SIDE VIEW**  
SCALE: 1:40M



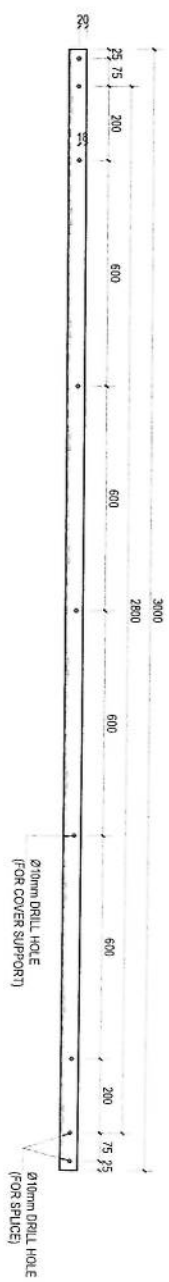
**OUT DOOR BTS RACKS & PAD TOP PLAN**  
SCALE: 1:40M

*Handwritten signature*

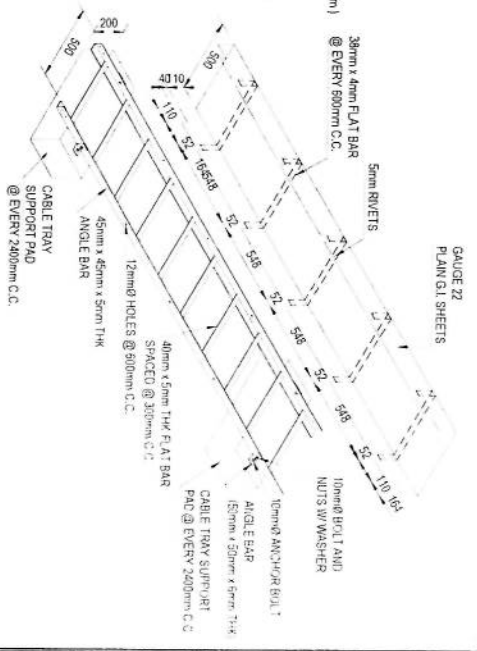




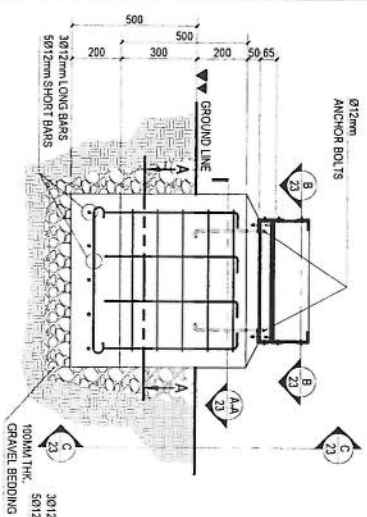
**CABLE TRAY FOR BITS**  
SCALE: 1:20M



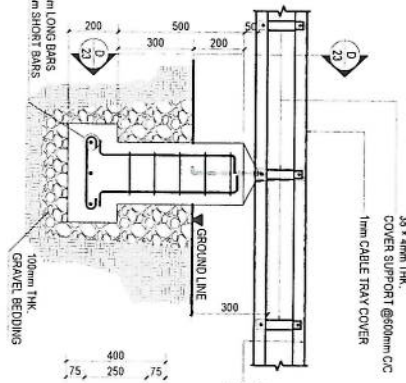
**HORIZONTAL CABLE TRAY ISOMETRIC VIEW**  
SCALE: 1:50M



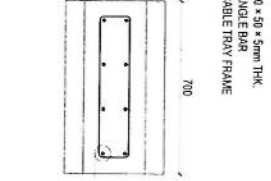
**GAUGE 22 PLAN/GAL SHEETS**



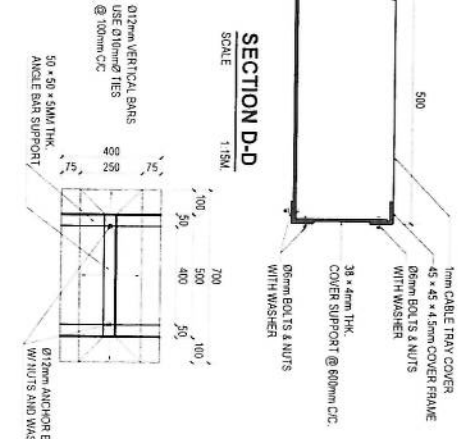
**SECTION D-D**  
SCALE: 1:30M



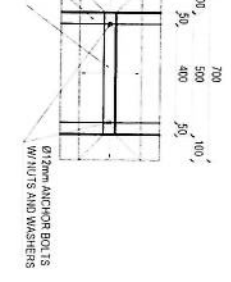
**SECTION C-C**  
SCALE: 1:30M



**SECTION A-A**  
SCALE: 1:30M



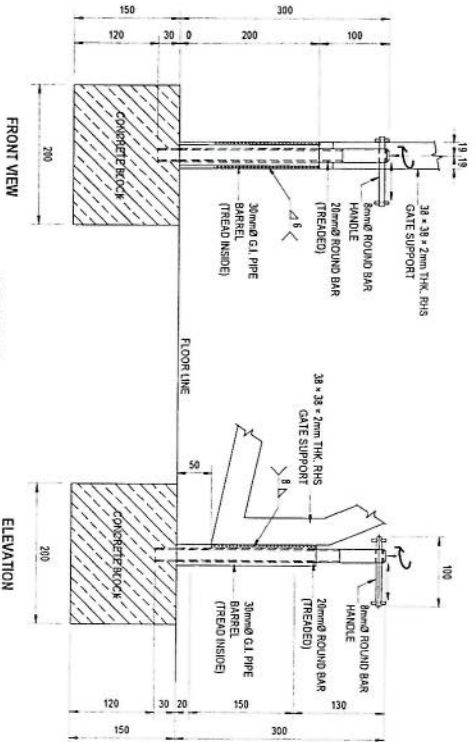
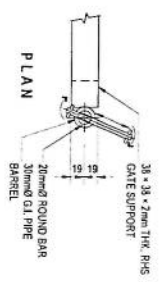
**SECTION D-D**  
SCALE: 1:15M



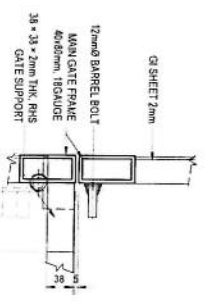
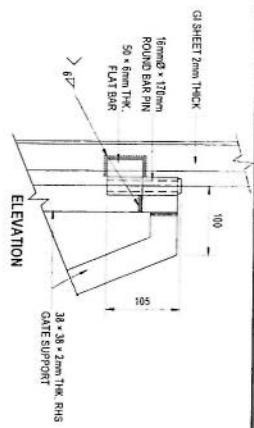
**SECTION B-B**  
SCALE: 1:30M

*[Handwritten signature]*

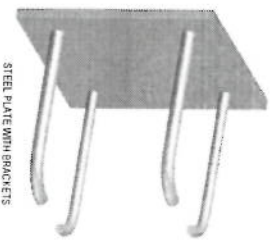




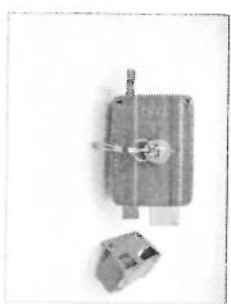
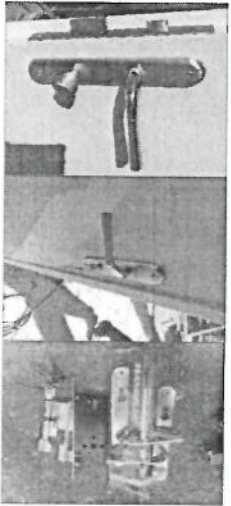
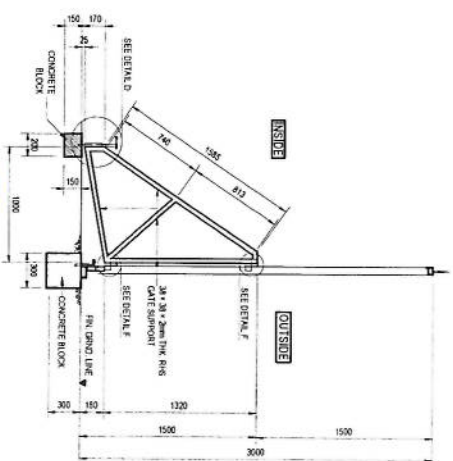
**DETAIL D**  
SCALE: 1/10M



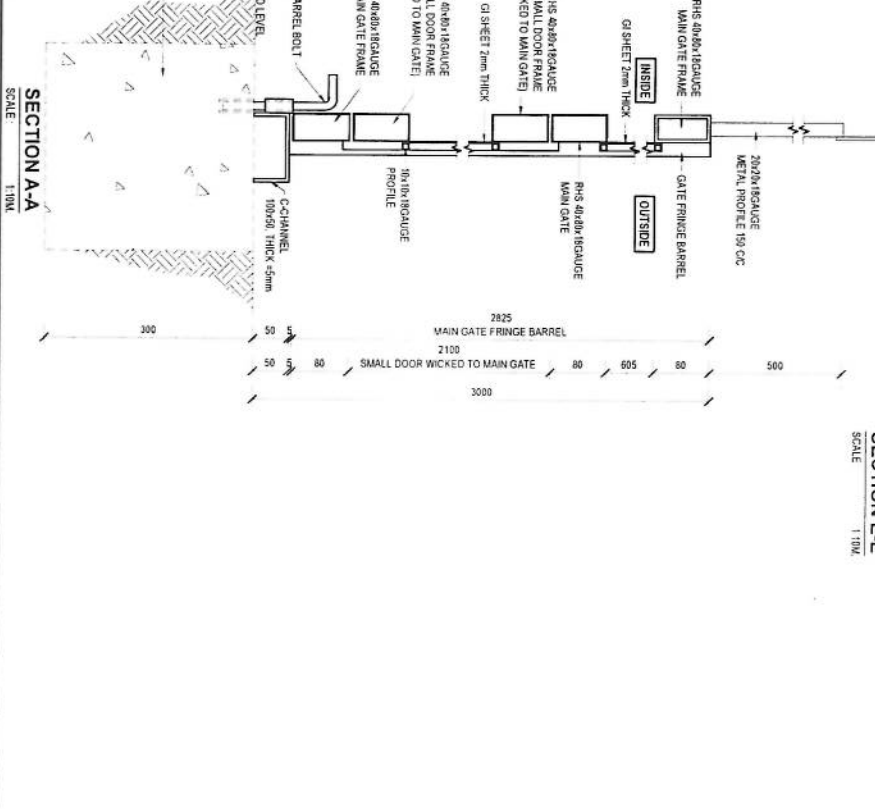
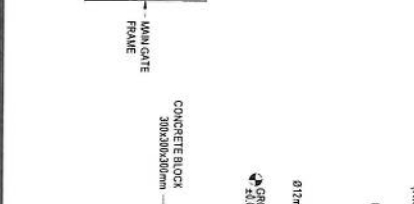
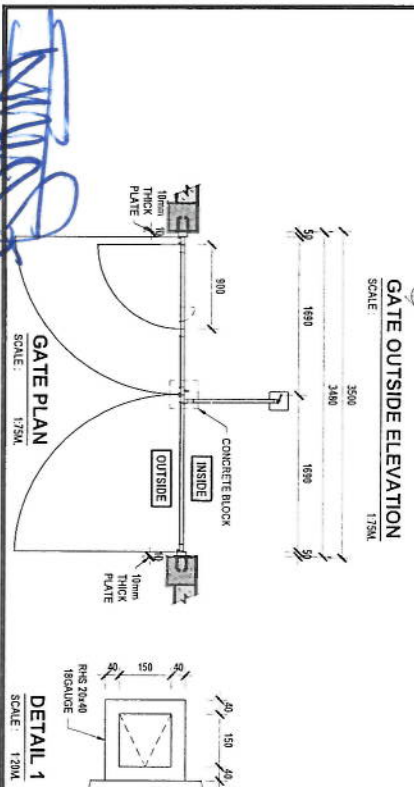
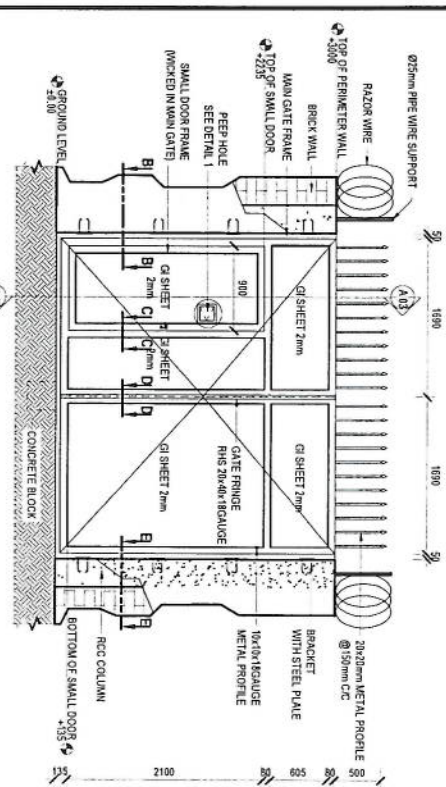
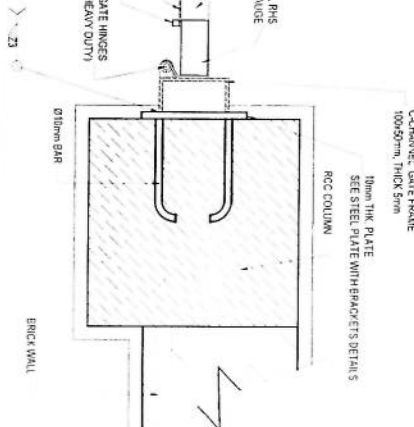
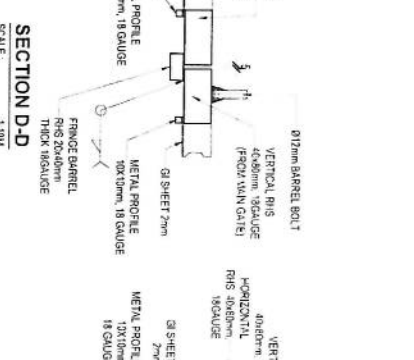
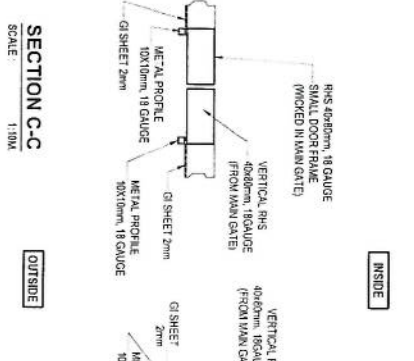
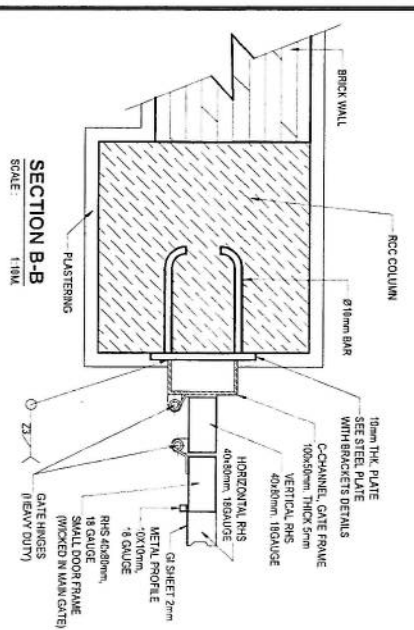
**DETAIL F**  
SCALE: 1/10M



**STEEL PLATE WITH BRACKETS**  
STEEL PLATE THICK = 10mm  
TOTAL 400mm BARS AT CORNERS  
SCALE: 1/10M



**SMALL DOOR HANDLE AND LOCK PHOTOS**  
SCALE: N/A

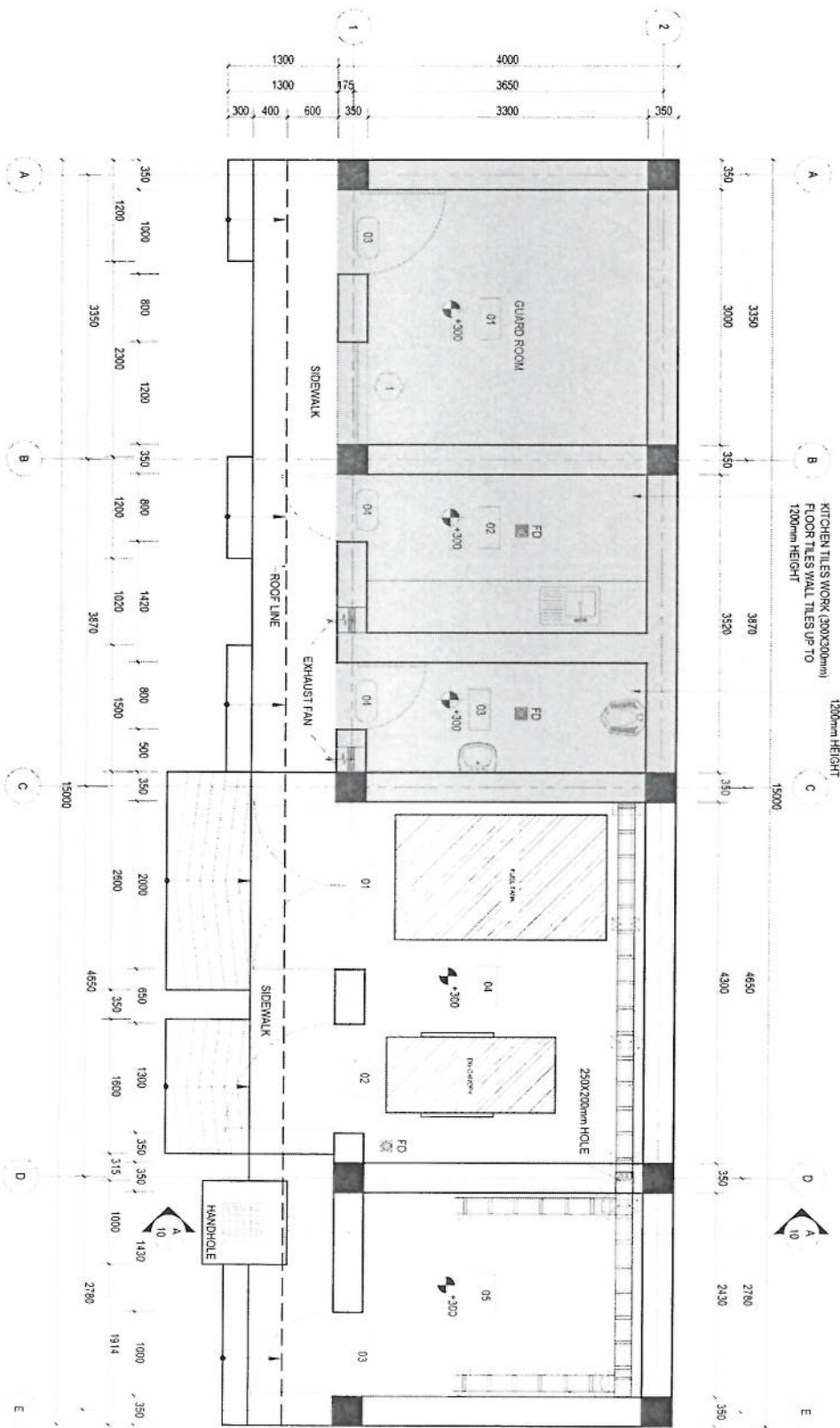


*[Handwritten signature]*

روی این پلایه ها نصب گردد

KITCHEN TILES WORK (300X300mm)  
FLOOR TILES WALL TILES UP TO  
1200mm HEIGHT

TOILET TILES WORK (300X300mm)  
FLOOR TILES WALL TILES UP TO  
1200mm HEIGHT



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

**FLOOR PLAN**  
SCALE 1:80

**HATCH LEGEND**

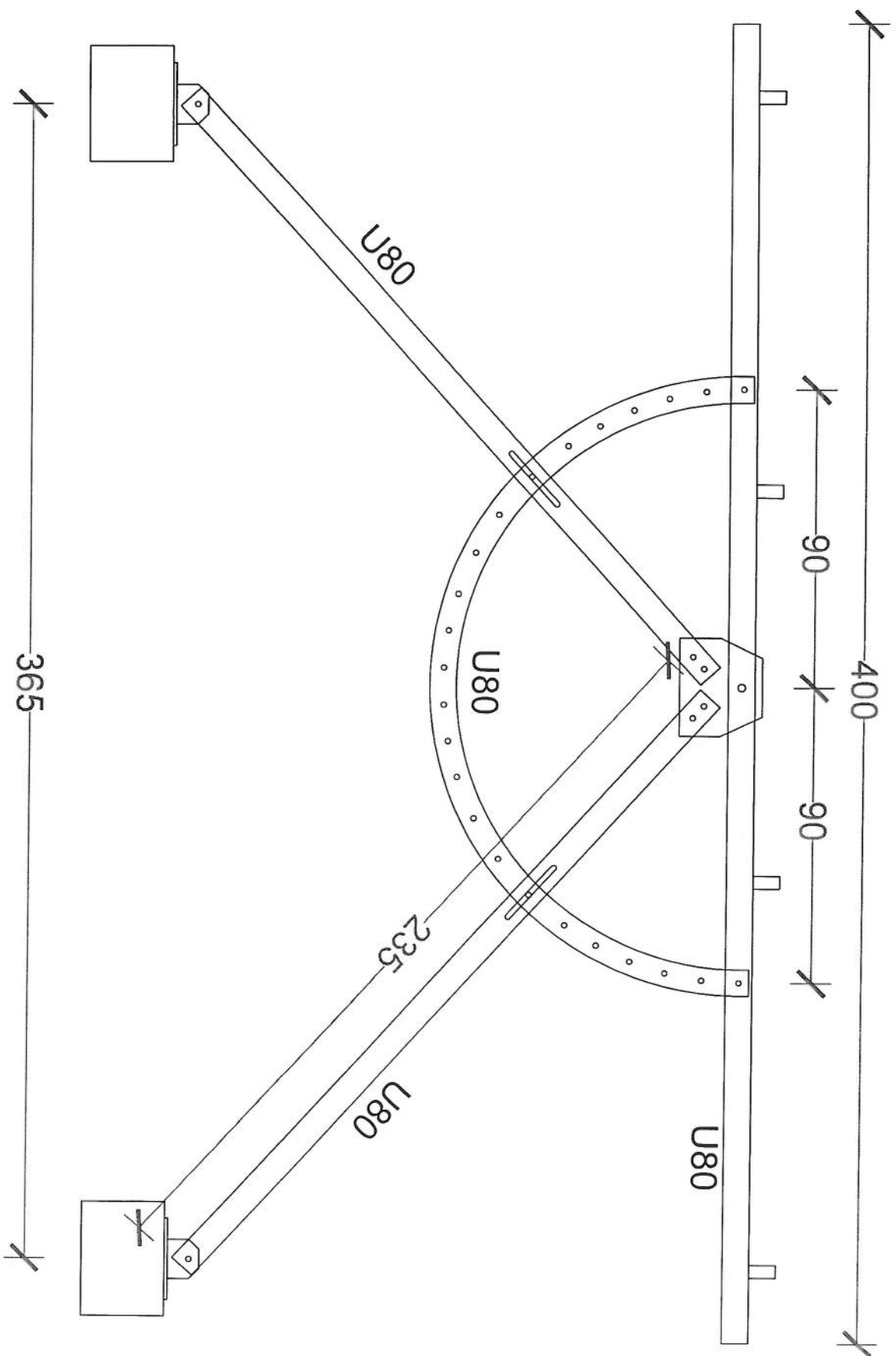
- PLAIN CONCRETE CEMENT
- BRICK WORK
- OVERHEAD STRUCTURE
- REINFORCEMENT COLUMN

**ROOM LEGEND**

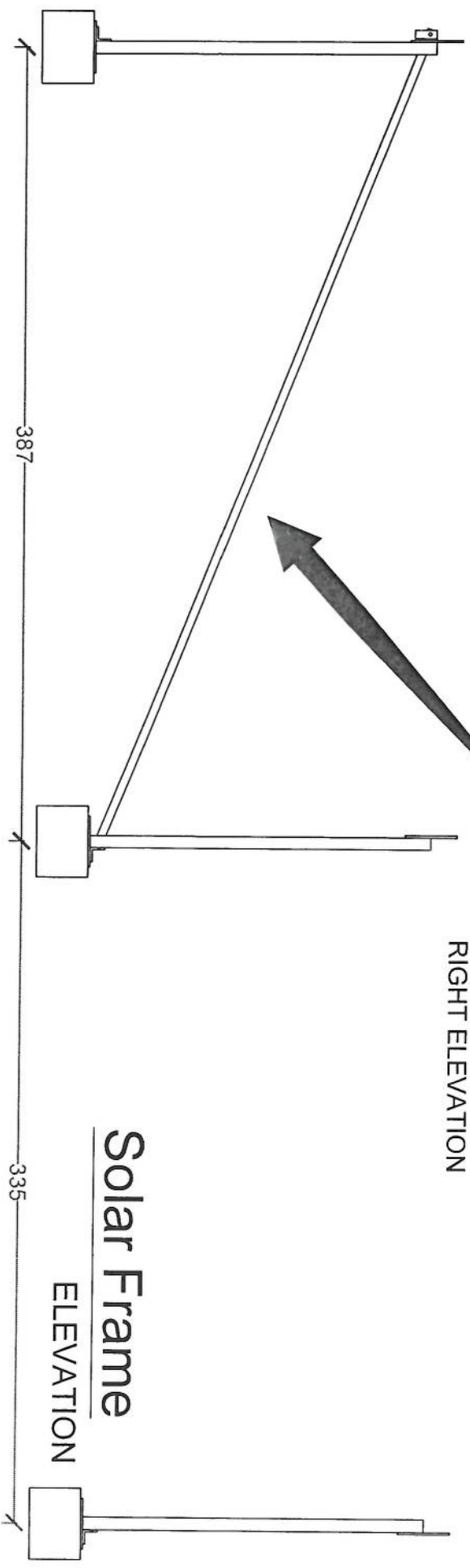
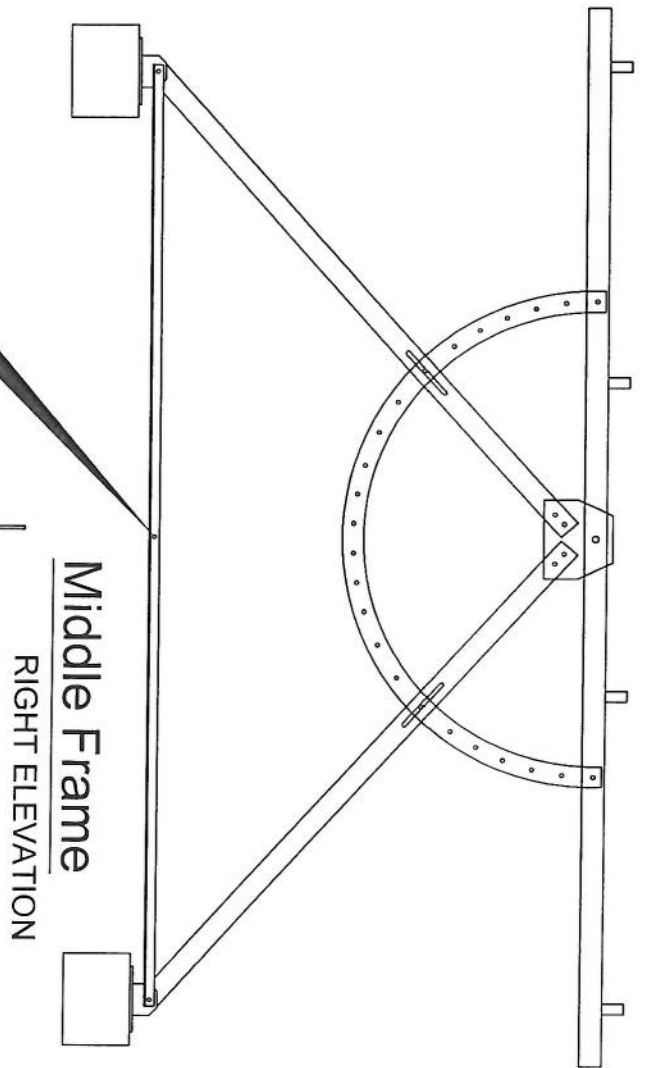
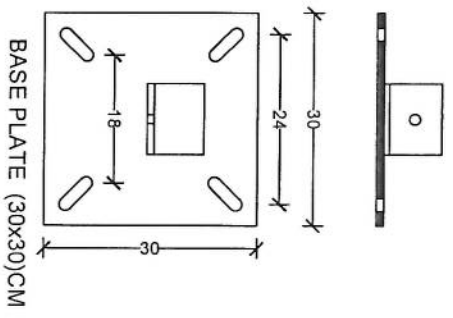
- 01 GUARD ROOM
- 02 KITCHEN
- 03 TOILET
- 04 FUEL TANK AND DG ROOM
- 05 BATTERIES ROOM

*[Handwritten signature]*

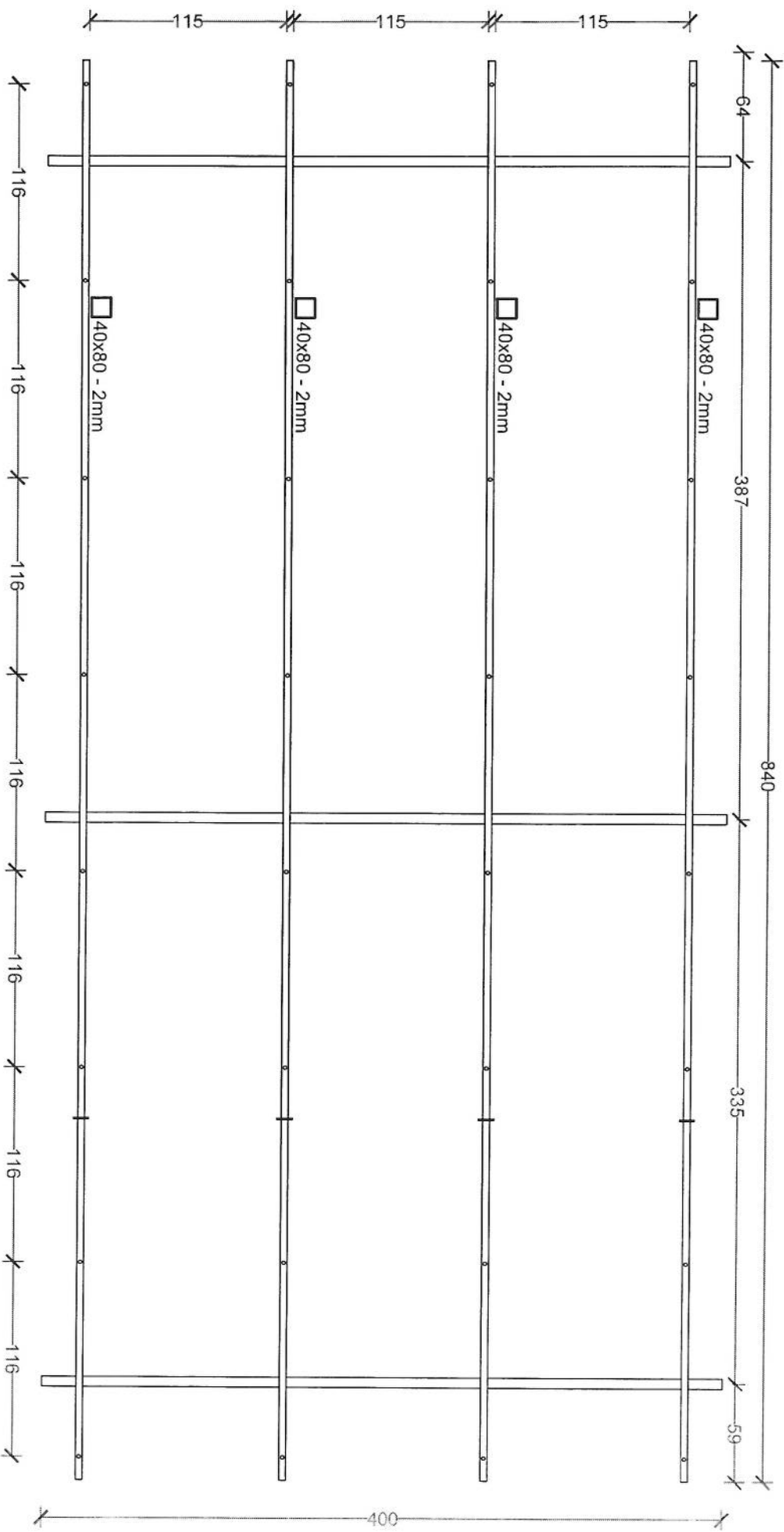
- DW DOWN
- FD FLOOR DRAIN
- ELEVATION



[Handwritten signature in blue ink]

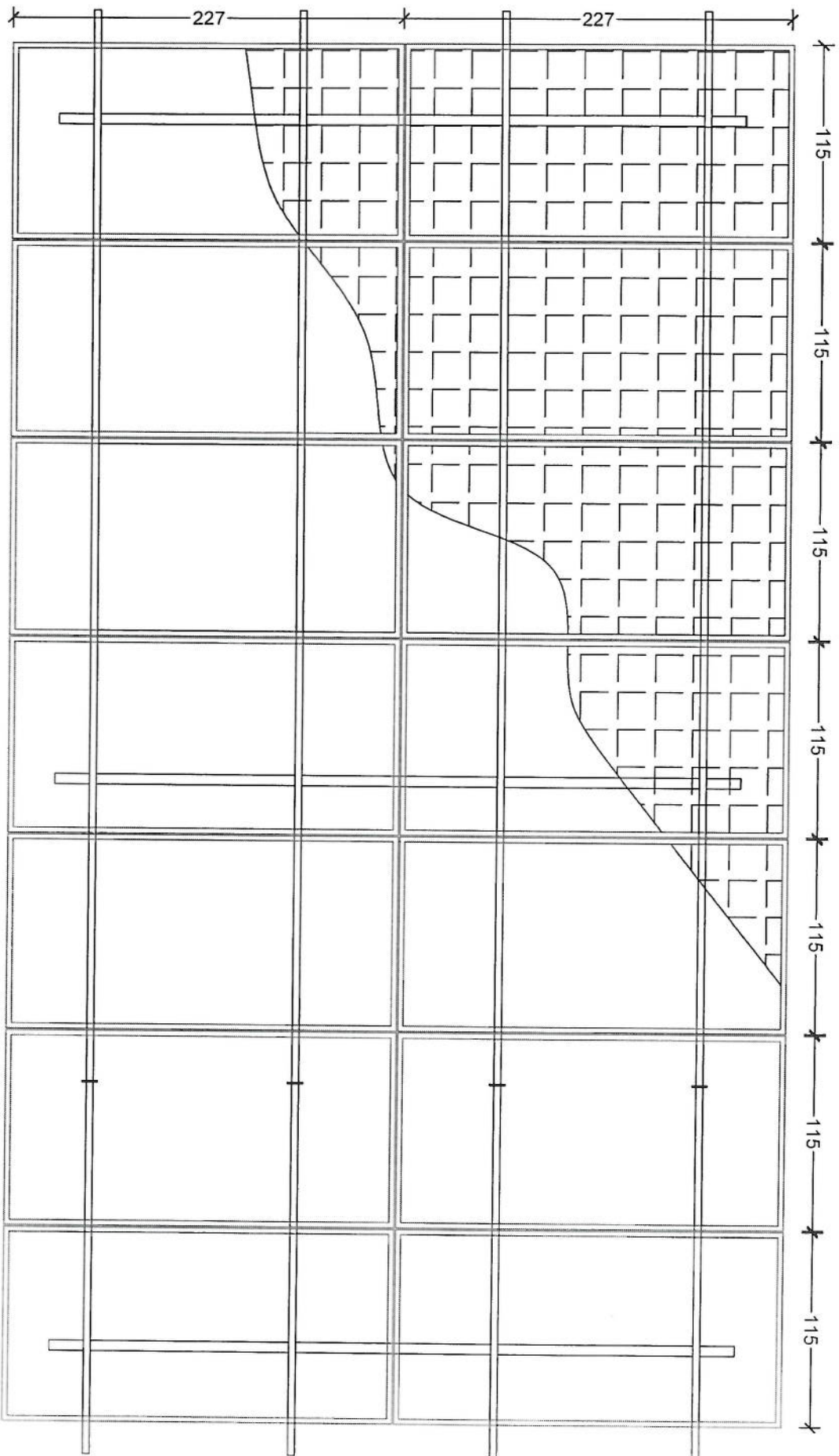


*Handwritten signature in blue ink.*



*Handwritten signature*

**14 Plate Solar**  
 Dimensions (113x227)CM

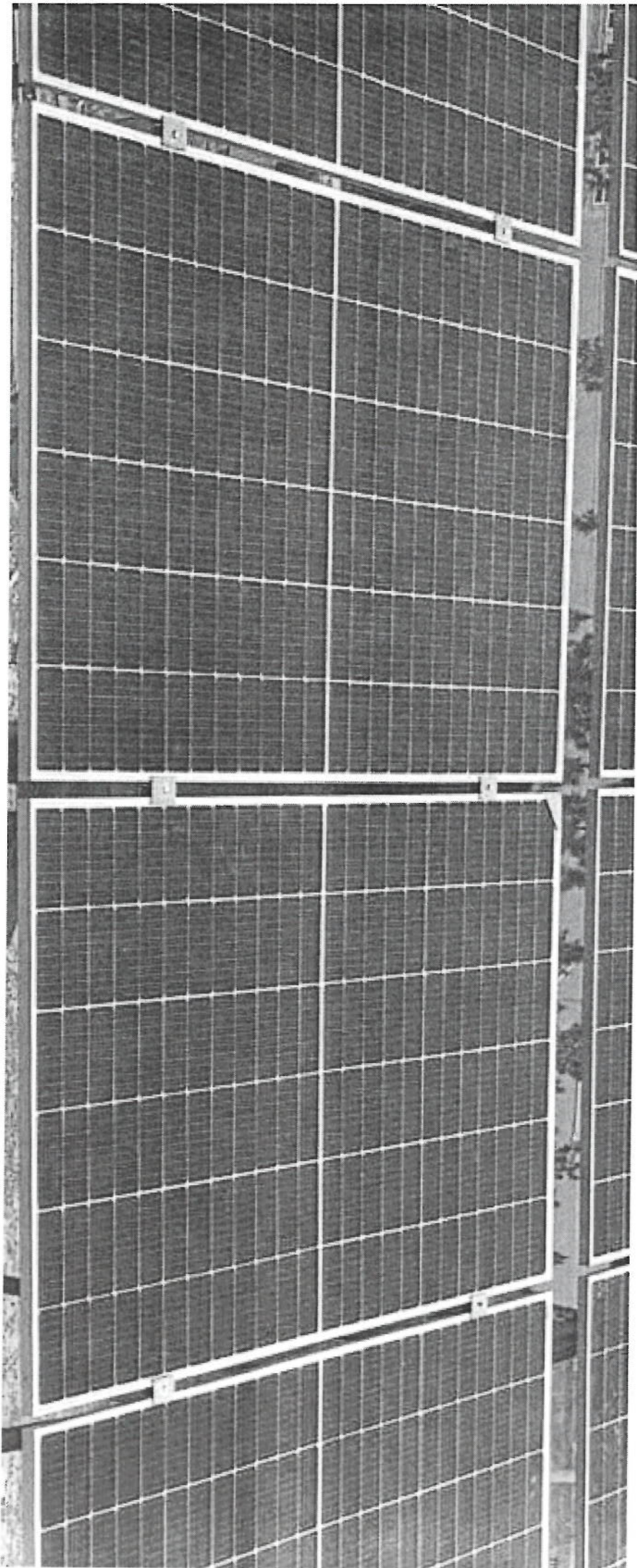


*Handwritten signature or initials in blue ink.*

# 14 Plate Solar

Dimensions (113x227)CM

*[Handwritten signature]*

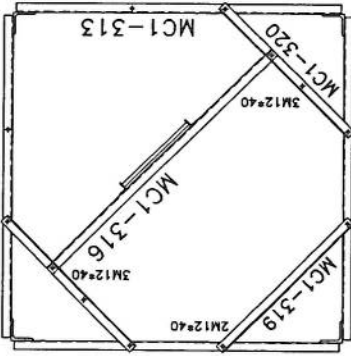


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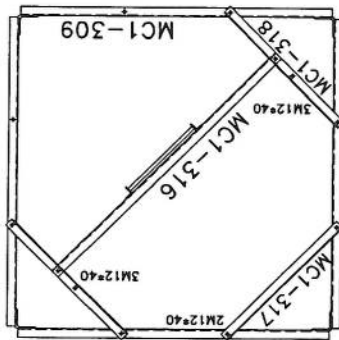
Project No.: _____		Tower Type: TOWER NB	
Scale: 1/11		Ref. No. 00	
Sheet No. 1		Panel 1	
Title: NB TOWER 30m		Project: AFGHAN TELECOM	
Client: _____		Tower: _____	
Rev.	Design	Drawn	S. Ghodhi
00	---	---	---
Checked	Approved	Date	Description
---	A. Sadooshour	10/13/24	---

Qty	Specification
168	M12*40
48	M16*55

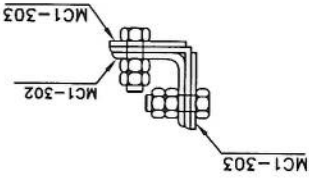
SEC. 10-10



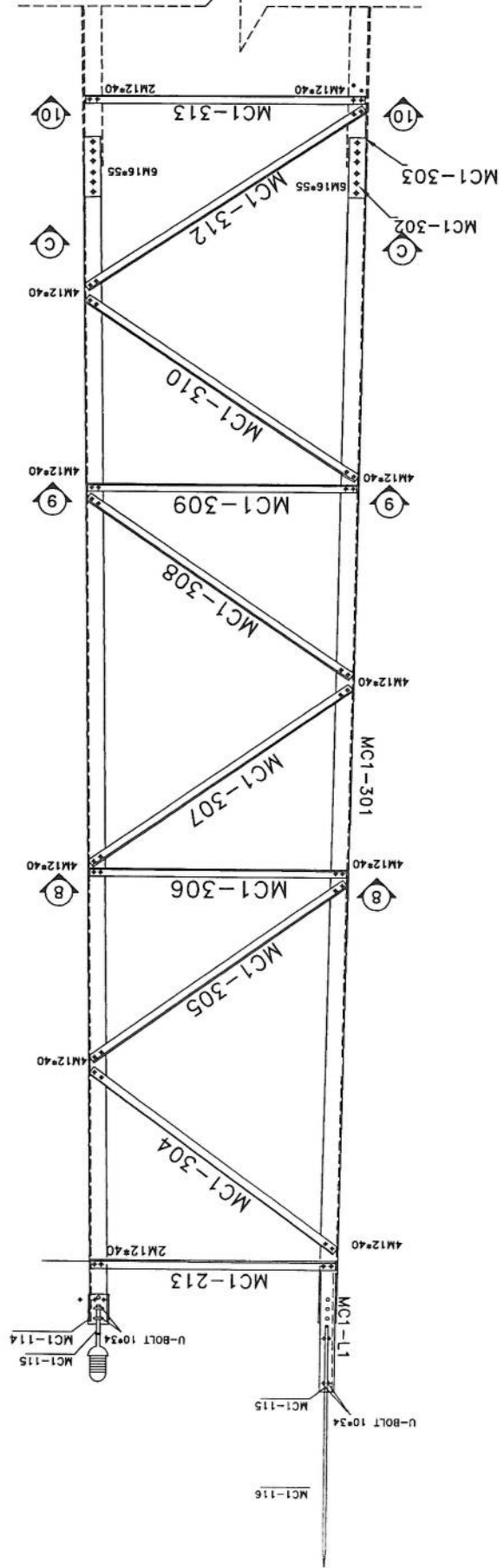
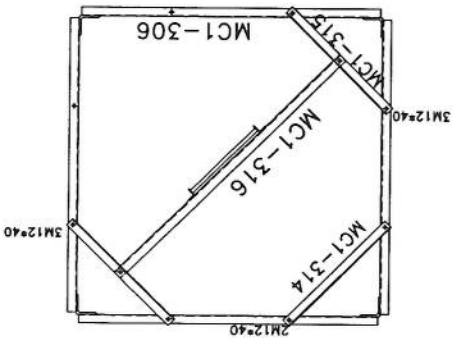
SEC. 9-9



SEC. C-C



SEC. 8-8

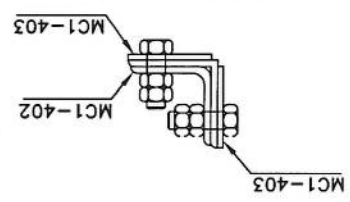


Project No.:		Scale: 1/11		Ref. No. 00		Sheet No. 2	
Tower Type: TOWER NB		Title: NB TOWER 30M PANEL 2					
Client 1:		Project 1: AFGHAN TELECOM					
Rev.		Design		Checked		Approved	
02	--	--	S. Ghodhi	--	A. Sakhshour	13/2024	--
01	--	--	--	--	--	--	--
00	--	--	--	--	--	--	--



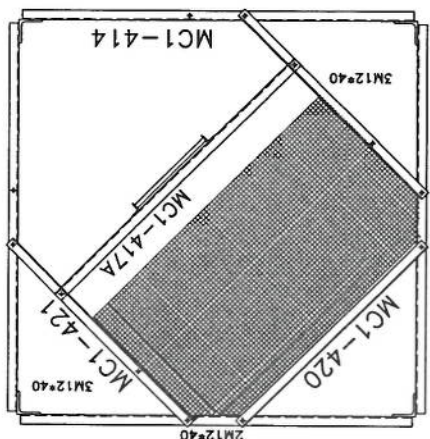
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SEC. D-D

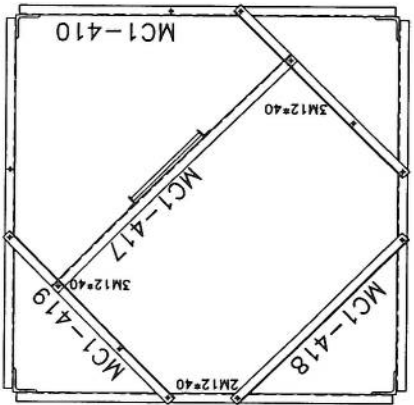


List of Bolts - PANEL 4	
Specification	Qty
M12x40	200
M16x60	64

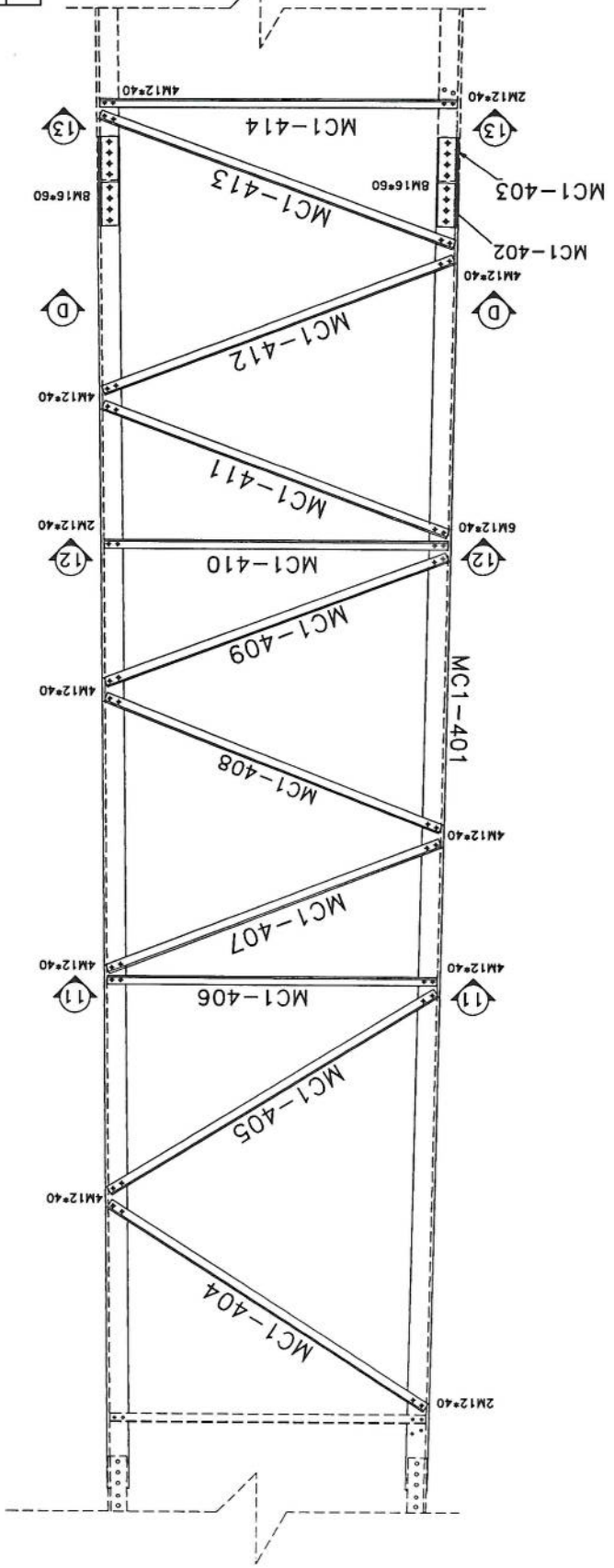
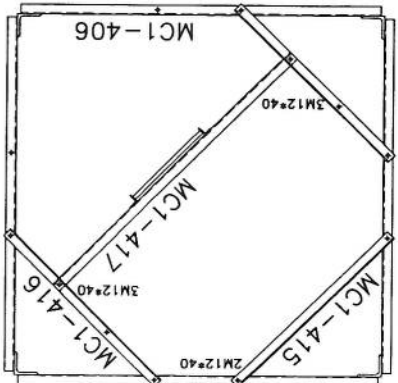
SEC. 13-13



SEC. 12-12



SEC. 11-11

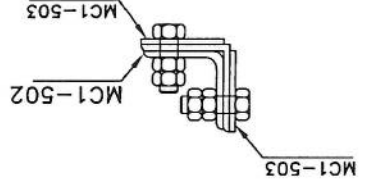


Project No.:		Scale: 1/11		Ref. No. 00		Sheet No. 5	
Tower Type: TOWER NB		Title: NB TOWER 30M PANEL 3					
Client: AFGHAN TELECOM		Project: AFGHAN TELECOM					
Client:		Client:					
Rev.	Design	Drawn	Checked	Approved	Date	Description	
02	--	--	--	--	--	--	
01	--	S. Ghadiri	--	A. Salihour	19/11/24	--	
00	--	--	--	--	--	--	



*Handwritten signature in blue ink.*

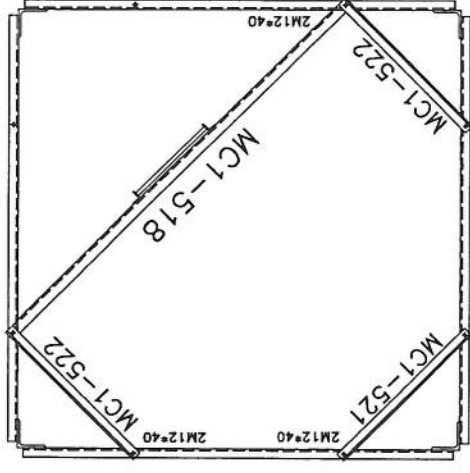
SEC. E-E



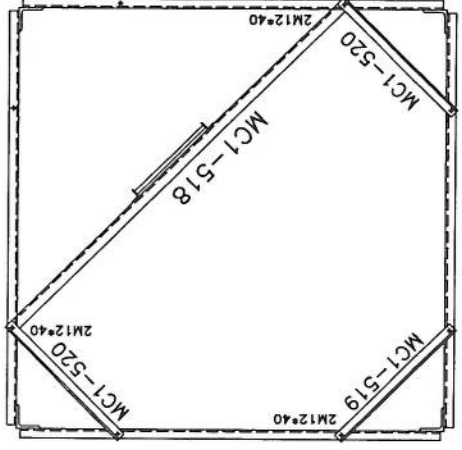
Specification	Qty
M12x40	194
M16x60	80

List Of Bolts - PANEL 5

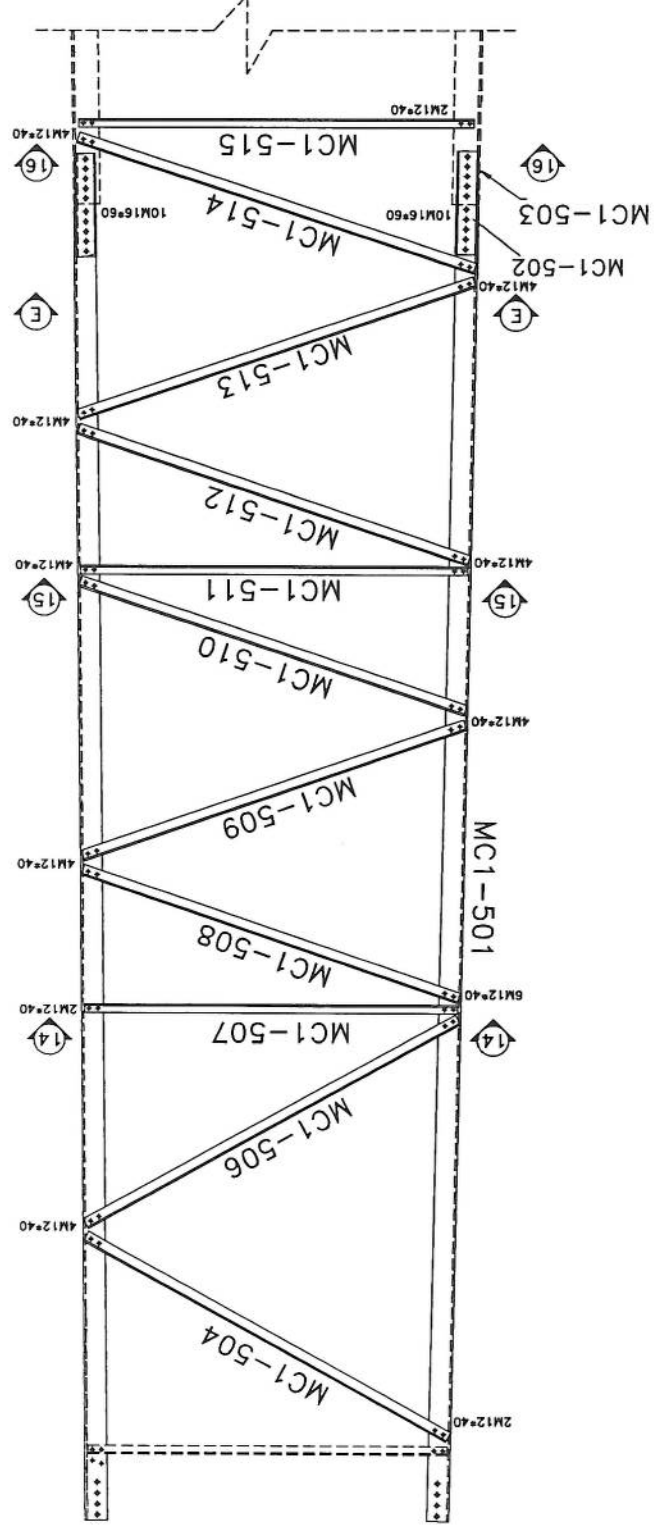
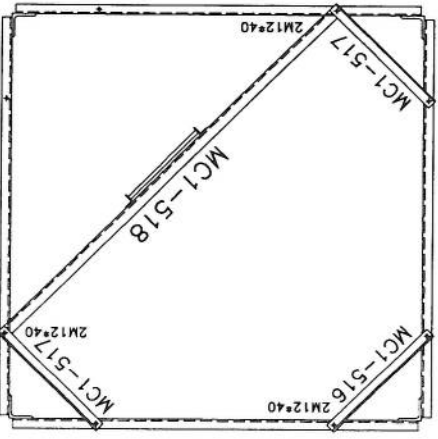
SEC. 16-16



SEC. 15-15

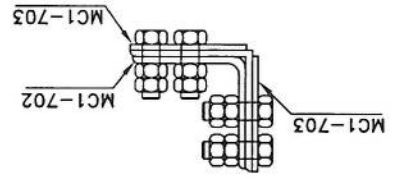


SEC. 14-14





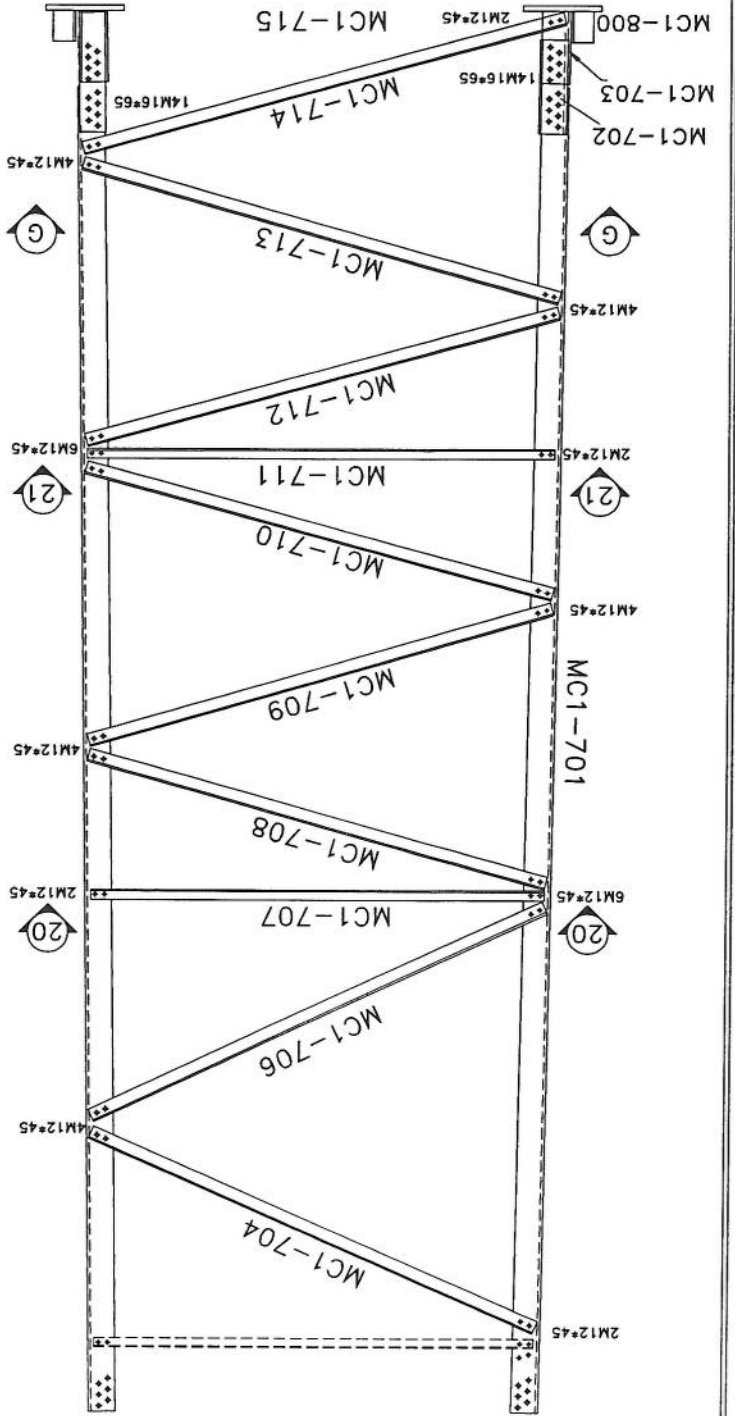
SEC. G-G



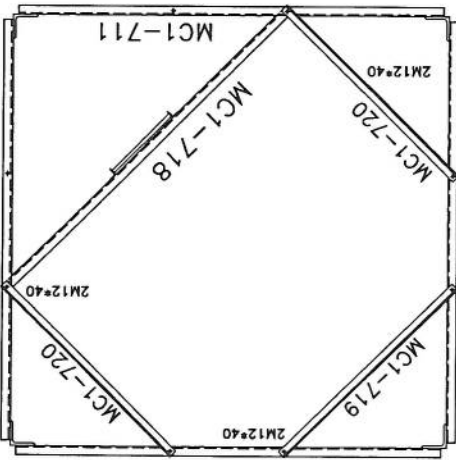
Project No.: _____		Scale: 1/11		Ref. No. 00		Sheet No. 5	
Tower Type: TOWER NB		Title: NB TOWER 30M PANEL 5					
Client: _____		Project: AFGHAN TELECOM					
Rev.:		Design:		Checked:		Approved:	
02	--	--	--	--	A. Solishour	10/13/24	--
01	--	--	--	--			--
00	--	--	--	--	S. Ghadiri		--

Specification	Qty
M12*40	18
M12*45	176
M16*65	112

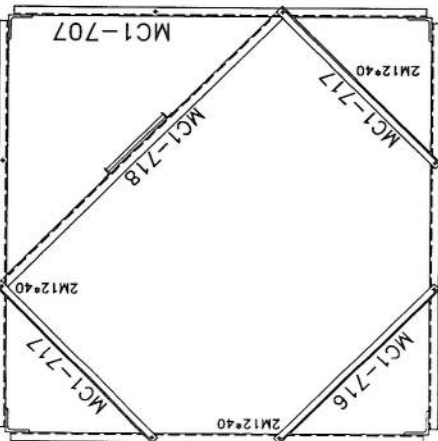
List Of Bolts - PANEL 7



SEC. 21-21



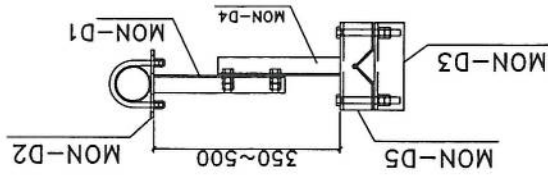
SEC. 20-20



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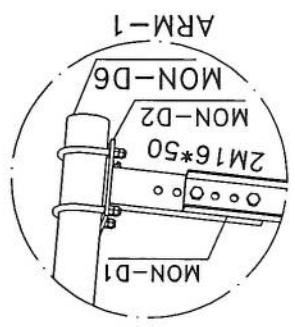
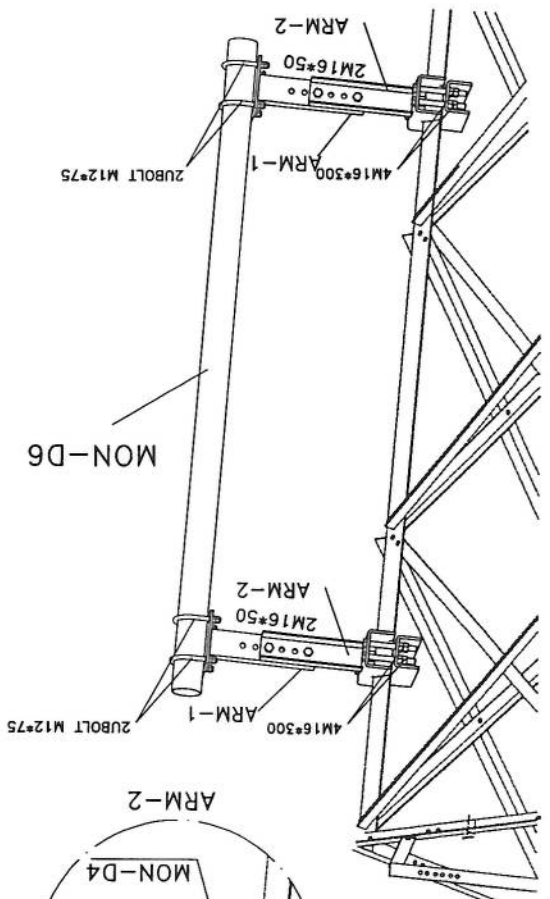
Project No.: 1/11		Rev. No. 00		Sheet No. 12	
Tower Type: TOWER NB					
Title: NB TOWER 30M MOUNTING					
Project: AFGHAN TELECOM					
Client: TOWERIST					
Rev.	Design	Drawn	Checked	Approved	Date
00	---	S.Ghadiri	---	A.Solohour	10/13/24
01	---	S.Ghadiri	---	A.Solohour	01/02/24
02	---	S.Ghadiri	---	A.Solohour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

GENERAL VIEW

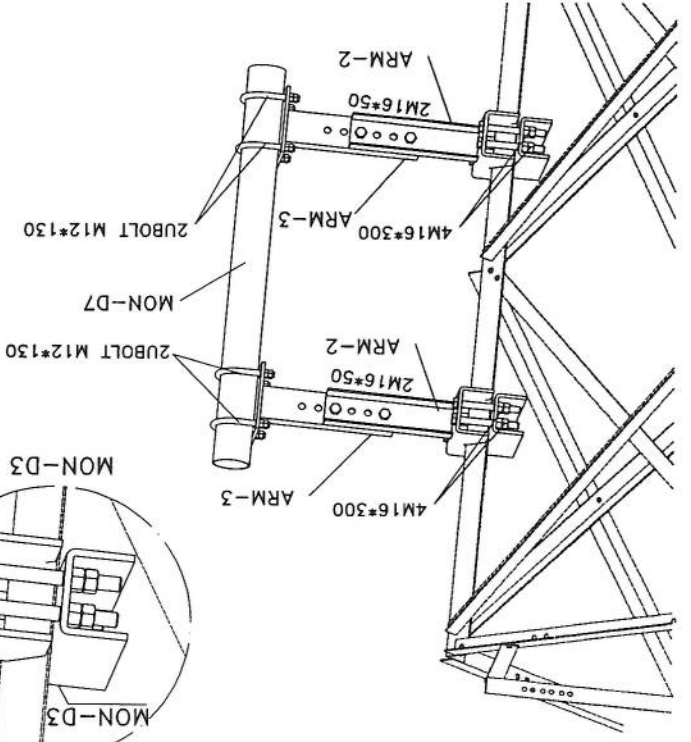
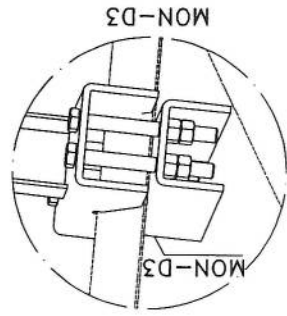
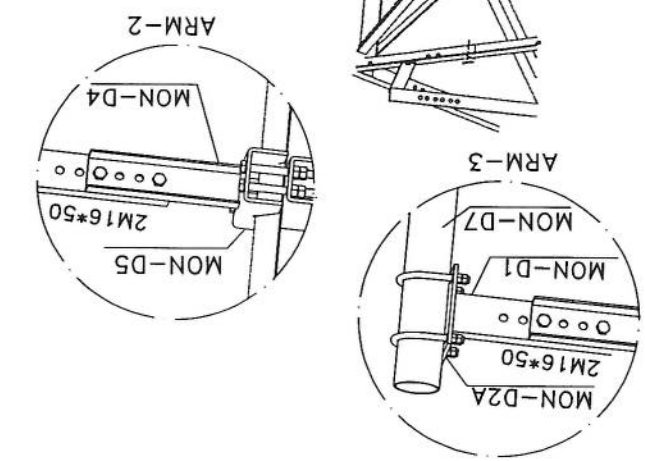
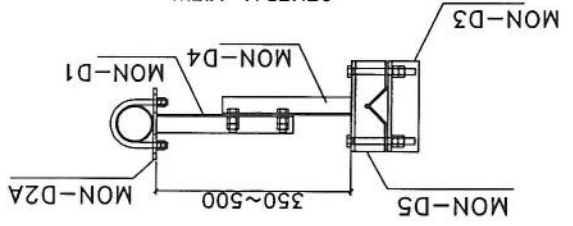


BILL OF MATERIAL GSM

ASSEMBLY	POSITION	SIZE	QUANTITY
ARM-1	MON-D1	UNP80	2
ARM-1	MON-D2	PL8	2
	MON-D4	UNP80	2
ARM-2	MON-D5	PL8	2
	MON-D6	PIPE60*13	1
BOLT	M16*300	-	8
UBOLT	M12*130	-	4



GENERAL VIEW



BILL OF MATERIAL MW

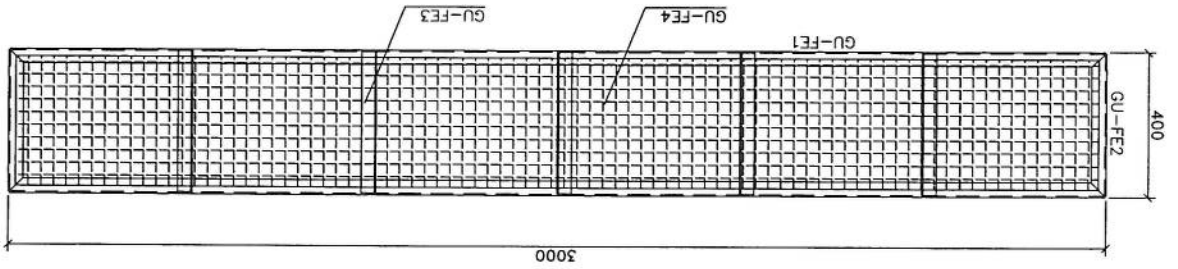
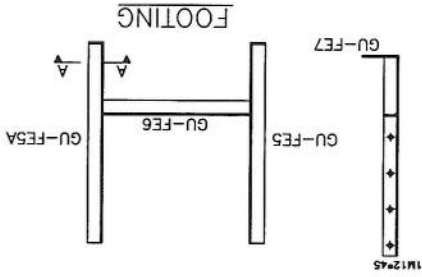
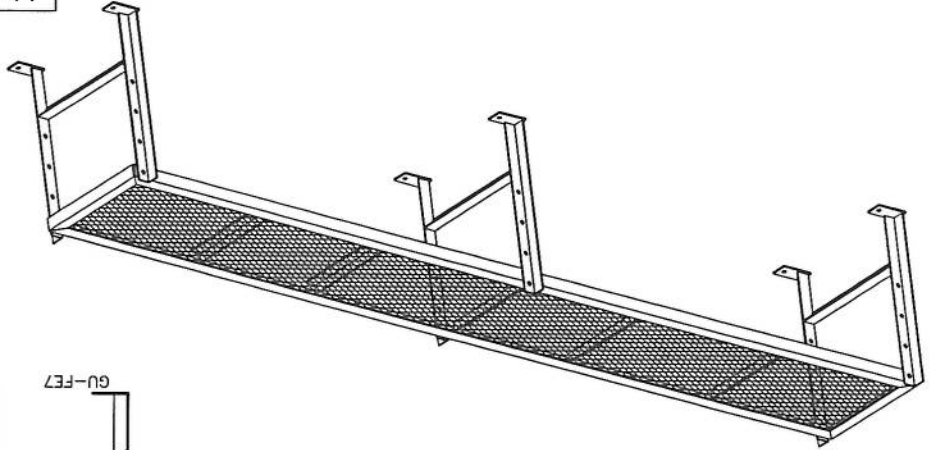
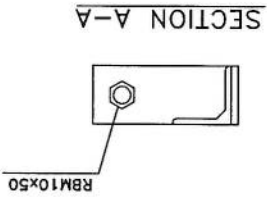
ASSEMBLY	POSITION	SIZE	QUANTITY
ARM-3	MON-D1	UNP80	2
ARM-3	MON-D2A	PL8	2
	MON-D4	UNP80	2
ARM-2	MON-D5	PL8	2
	MON-D7	PIPE115*13	1
BOLT	M16*300	-	8
UBOLT	M12*130	-	4

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



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

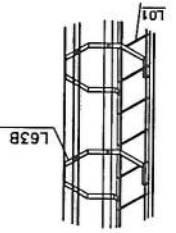
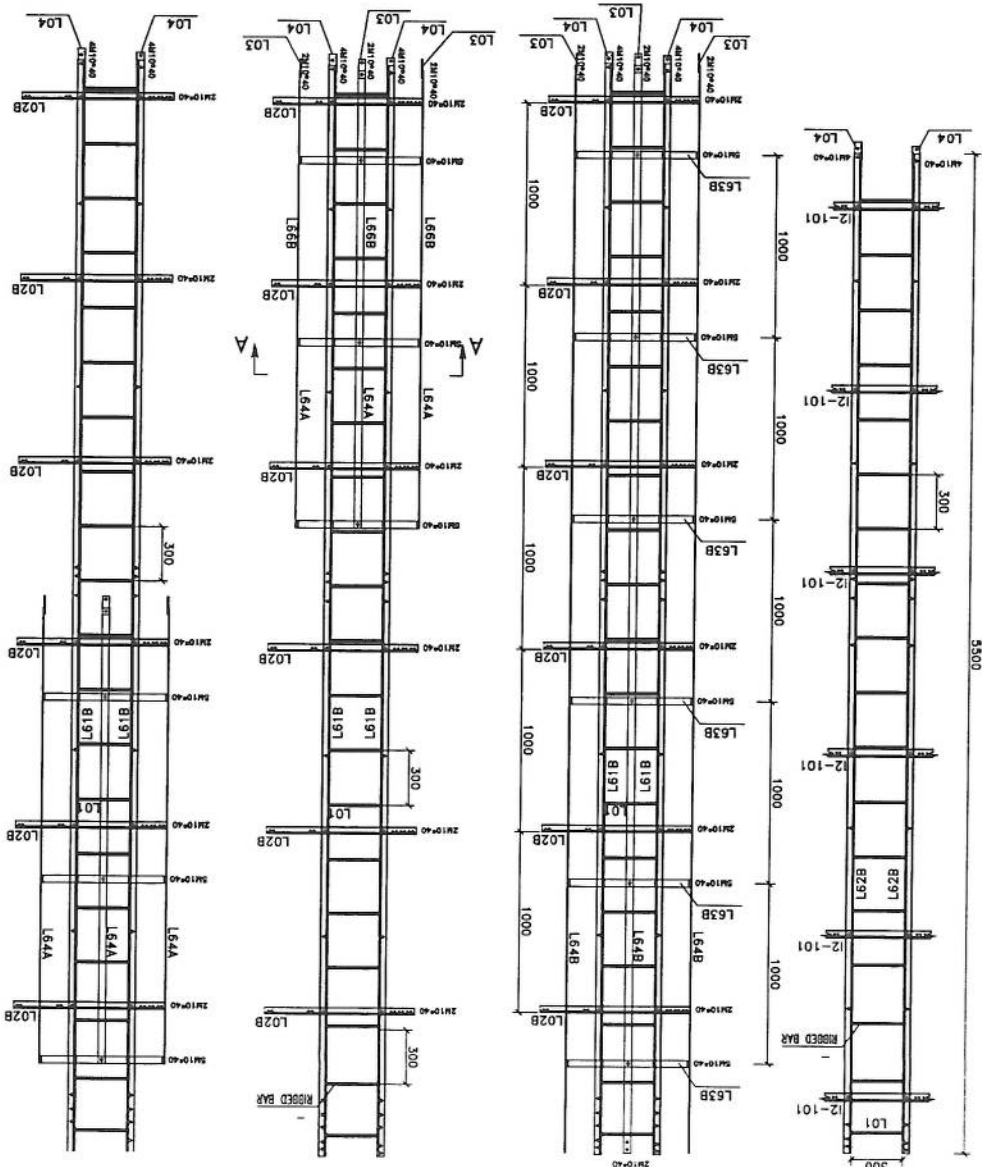
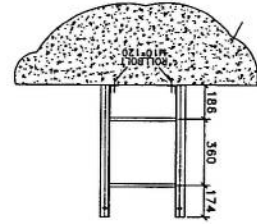
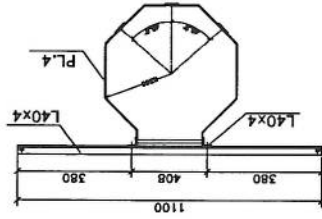


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Sheet No. 10		NB TOWER 30M		LADDER		Title 1	
APGHAN TELECOM		Client 1		Project 1		Tower Type: TOWER NB	
Description		Checked		Design		Rev.	
A. Sahnour		10/13/24		S. Shidi		00	
-		-		-		01	
-		-		-		02	

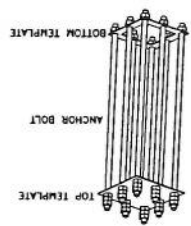
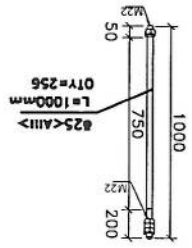
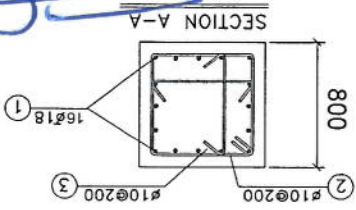
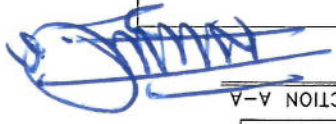
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List of Bolts - LADDER	Specification	Qty	Material
	J10*90	60	GR5.6
	M10*40	134	GR8.8

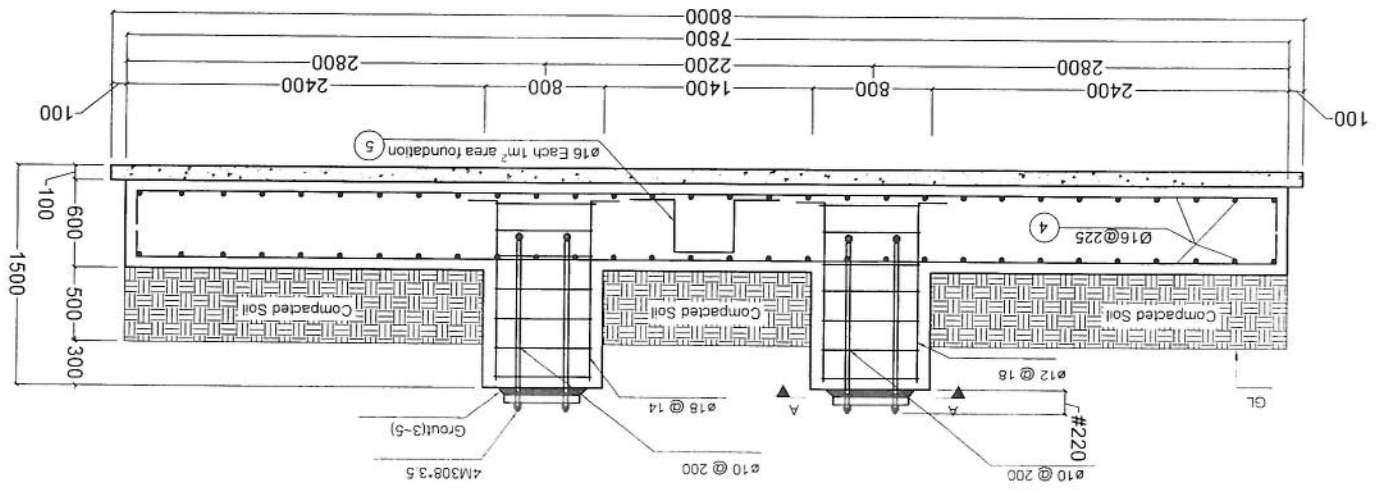
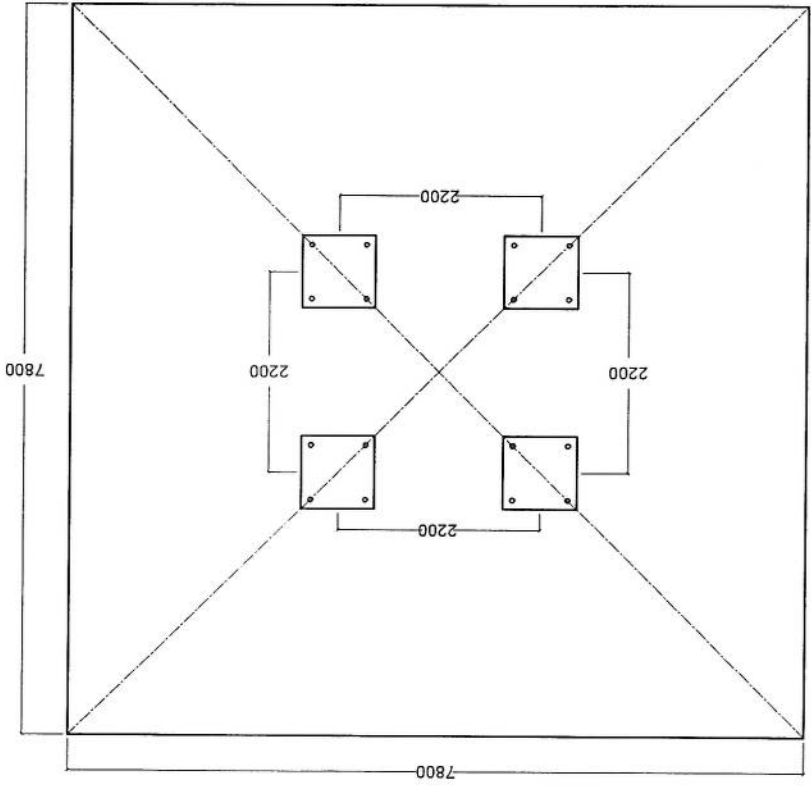
Safety Hoop And Rack Feeder



Bill of Material					
Pos	Shape	Dia(mm)	Length(m)	Quantity	Total Length(m)
1	1250   250	18	1.50	64	96
2	650   100	10	2.8	28	79.00
3	100   650   100	10	0.85	56	48.00
4	250   7650   250	16	8.15	140	1203
5	450   400   450	16	2.20	59	130
				Total Weight	204
				Total Weight	2216 kg
				Concrete Volume	38.55 m <sup>3</sup>



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



REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION
شماره	تاریخ	توضیحات

LEGEND:

□ RCC

▨ Soft Soil

PROJECT TITLE / NO:  
GSM SITES

موضوع پروژه / شماره پروژه:  
سایتهای GSM

DRAWING TITLE:  
30m Tower Grounding System

عنوان نقشه:  
سیستم ارتداد برای سیستم 30 متر

DRAWN BY:  
CIVIL TEAM

ترسیم کننده:  
تیم عمران

CHECKED BY:

بررسی کننده:

APPROVED BY:

تایید کننده:

SCALE: 1:75

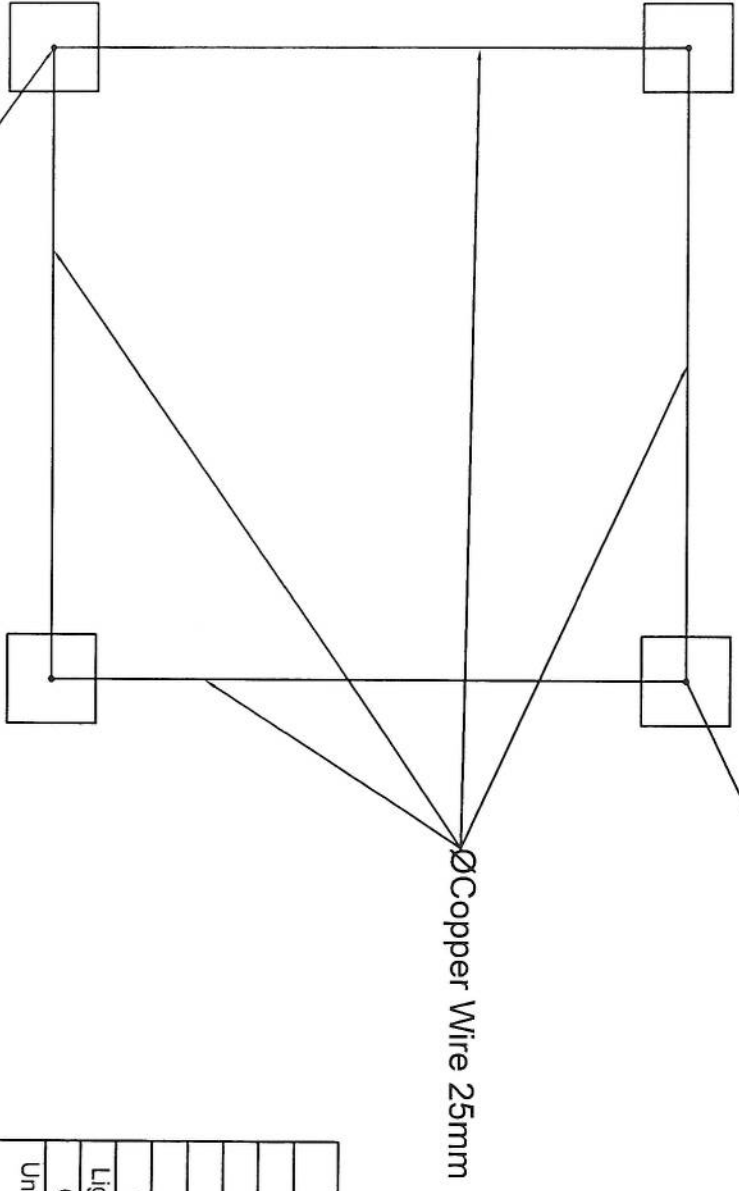
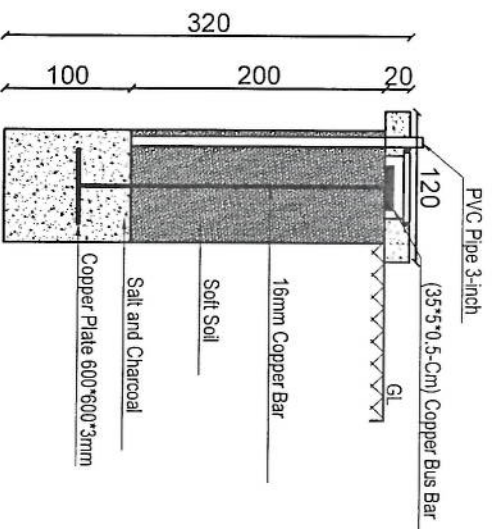
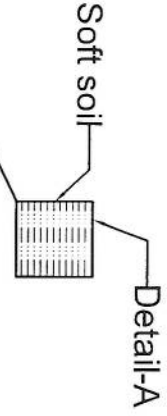
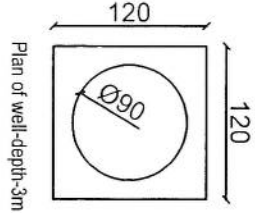
ACTUAL DATE: 14/05/2025

ISSUE DATE: DRG. NO: 23

مقیاس: 1:75  
تاریخ واقعی: 14/05/2025  
تاریخ انتشار: شماره نقشه: 23

OWNER:  
AFGHAN TELECOM

صاحبکار:  
افغان تله‌کام



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

SCALE: 1:75

*[Signature]*