

Tx/88

C106

H. Alavi

S. Alavi

Site ID	RPT FRH025	Site Location Name	Nobar village (نوبار)	District	Shib-Koh (شيب كوه)	Province	FARAH
New Lat	32.222328	Front Site ID	FRH-004	New Repeater needed?	LAT:	LONG:	
Type of Property	Private?	Primary agreement with owner done?	Yes:	No:	Gov?	Yes	NA?
Contract Agreement Negotiated?	Yes:	Property owner contact	Yes:	No:	Ongoing:	NO	
Site type	RT:	Land type	Desert level	Hill	Mountainouse	City	Rural
Access Road available	Yes:	No:	NO	Width:	Length: 850-M	GF	Yes
Needed tower type	GF	Needed tower height	Yes	GM	RT		
Boundary wall needed		Boundary wall length					
Guardroom needed		Toilet/Washroom					
Wall Fence needed		Comments about access	road و ۴۰۰ متر آن سخت بوده و ۸۵۰ متر سبزی مورد نیاز است. از این مقدار تقریباً ۴۰۰ متر سبزی مورد نیاز است. از این مقدار تقریباً ۴۰۰ متر سبزی مورد نیاز است. از این مقدار تقریباً ۴۰۰ متر سبزی مورد نیاز است.				
Location photo record	General view	Panaromic (45°) 8 photos	Access road Direction				
Surveyer details(name contact...etc)	General Comments: 0702381714 عبدالحمید "بوذر" رئیس مختصات ولایت فراه 0700693212 حافظ شجاع الرحمن "عمری" مدیر انبار 0744858560 نجیب الله "نجیب" رسول ولایتی افغان تیلی کم						

سایت FRH025 مایکروویف RPT برای سایت های TDFP10 ولایت فراه مورد تایید رهبری شرکت افغان تیلی کام

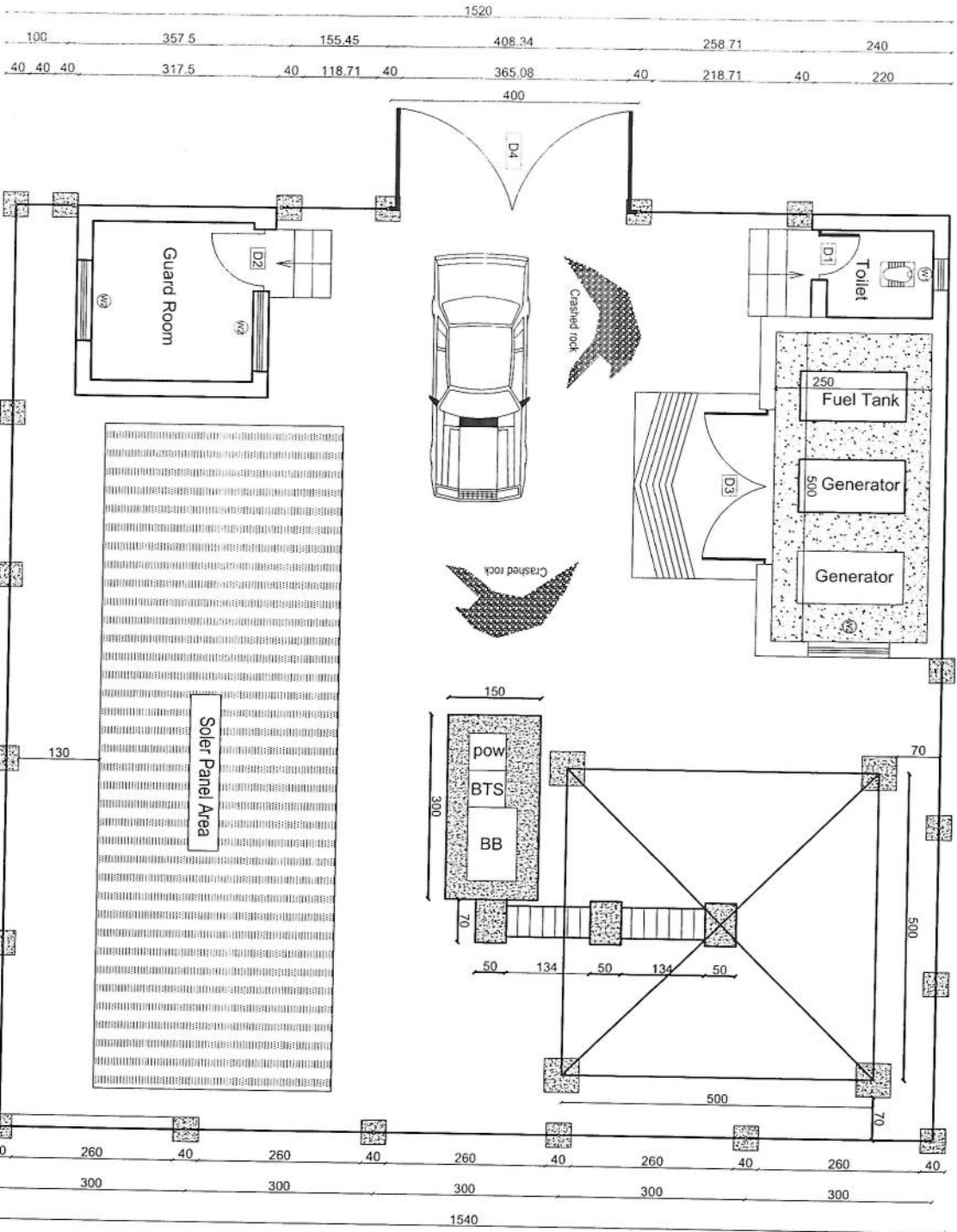
SN	SiteID	LAT	LONG	Province	District	Add	Site Service Type	Near End Site ID	Near End Site Distance	Near End Site Traffic 3G+4G (PS) GB Daily Base	Near End Site Traffic 2G+3G (CS) Erling Daily Base	Tower Type
1	FRH025	32.222328	61.596268	Farah	Markaz	Kartiz Mula Juma	MW RPT for TDF Site	FRH211	51km	73 GB	49 Erl	G

محمد هارون محمدی	رئیس محمد افضل افشاری	محمد جان روفی	حکمت الله شاکری	محمد عظیمی
واری کونده معاونیت عملیاتی پیسیم	رئیس محمد افشاری پیسیم	آمر ترانسایشن TX	آمر RF BSS	RF Operator

پوهنځیار علی احمد سامند
رئیس عمومی شرکت افغان تیلی کام



01 SITE PLAN
05 REF. A101



REVISION RECORDS	
REVISION NO	DESCRIPTION
165	545.04
25	140 25 525
267.46	255
215	40 215 255
40	215 40

LEGEND	
CRASHED ROCK	شکسته سنگ
FCC	فیلد کابین
W1 WINDOWS TYPE 1	پنجره نوع 1
W2 WINDOWS TYPE 2	پنجره نوع 2
D1 DOOR TYPE 1	در نوع 1
D2 DOOR TYPE 2	در نوع 2
D3 DOOR TYPE 3	در نوع 3

PROJECT TITLE / NO:
GSM SITES
موقعیت های GSM

DRAWING TITLE:
SITE PLAN WITH FENCE WALL
پلان سایت با دیوار حفاظتی

DRAWN BY:
CIVIL TEAM
کارتون

CHECKED BY:
مهندس

APPROVED BY:
مهندس

SCALE: 1:100
ACTUAL DATE: 07/04/2025
ISSUE DATE: DRG. NO. 01

OWNER: AFGHAN TELECOM
مشتري: افغان تيليكوم

Salam Telecom
KABUL
AFGHANISTAN

REVISION RECORDS		
تسجيل التغييرات		
REVISION NO رقم التغيير	DATE التاريخ	DESCRIPTION الوصف

LEGEND:

STONE MASONRY

POC (PLASTER) 4/20/05

RAZOR WARE

LIGHT

PROJECT TITLE/NO.:GSM SITES

عنوان پروژہ:

سہیتہ های، جی، اسی ام

DRAWING TITLE

FENCE WALL ELEVATIONS &

تسا علی لکھنوی لکھنوی لکھنوی

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DRAWN BY:

CIVIL TEAM

CHECKED BY: :۰۰۰۰

1

10

10

APPROVED BY: 

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SCALE:	1:100	DATE:
ACTUAL DATE:		

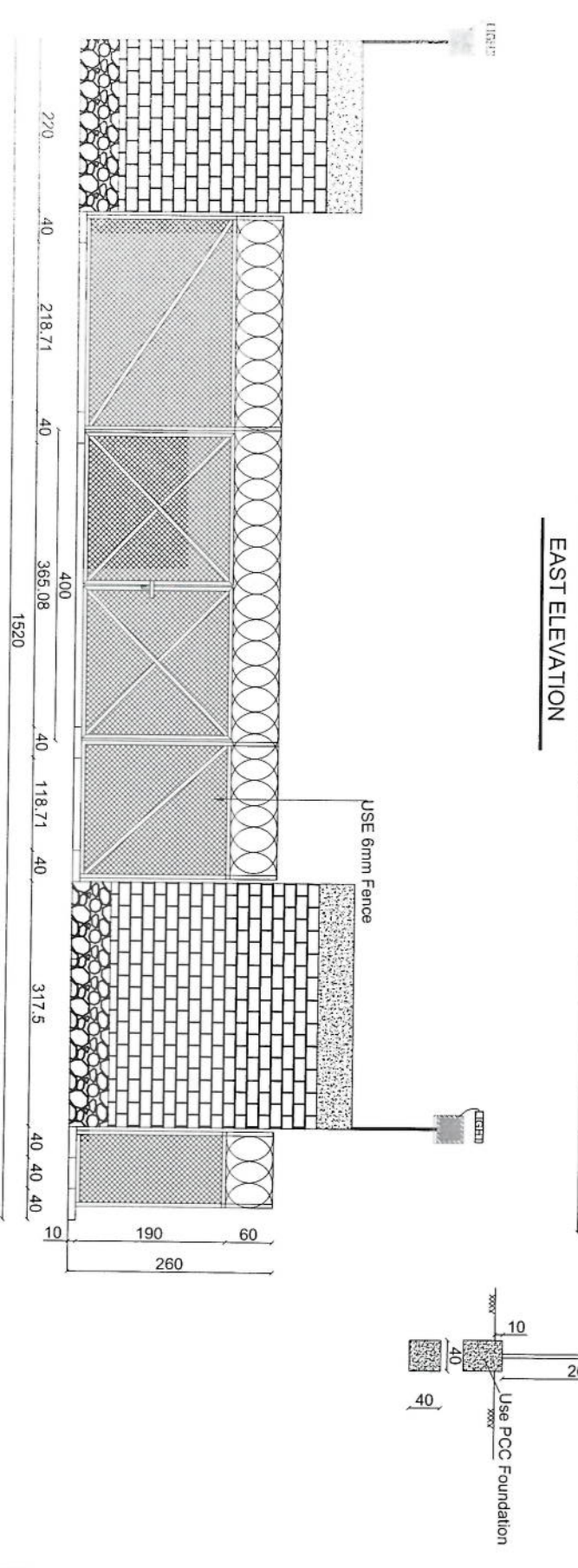
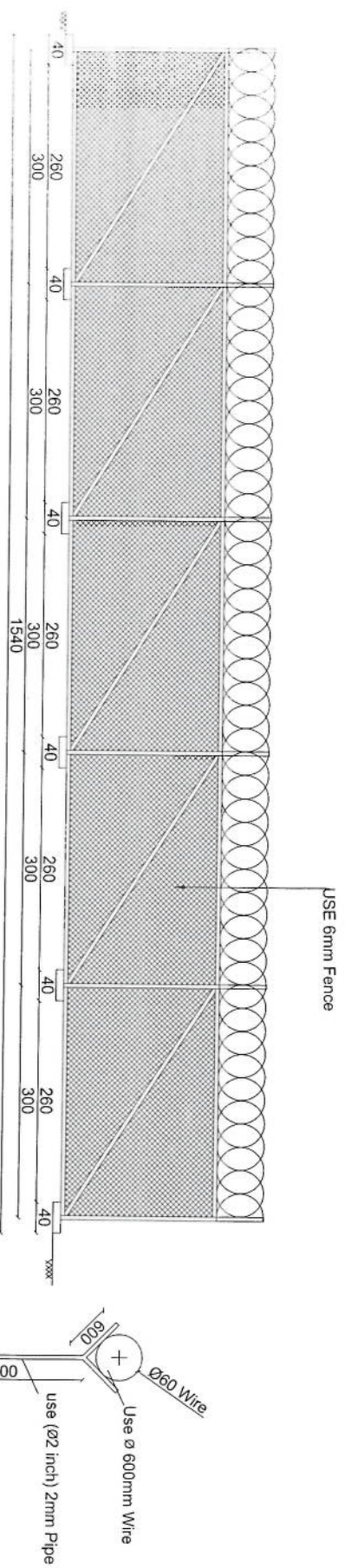
ACTUAL DATE:	07/04/2025
ISSUE DATE:	DRG.NO: 02

OWNER:	7-10-50
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AFGHAN TELECOM

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Salam Telecommunication Company



02	WALL ELEVATIONS & DETAILS	9
09	REF. A102	9

SCALE: 1:100

WEST ELEVATION

REVISION RECORDS		
تسجيل التغييرات		
REVISION NO رقم التغيير	DATE التاريخ	DESCRIPTION الوصف

LEGEND:

BRICK FIED

سنگ مرمری STONE MASONRY

POWERSHERI, CA 94550

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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McGraw-Hill

WZ

WINDOWS TYPE 2

01	DOOR TYPE 1	1/2 x 2 x 4/12
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[illegible]

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PROJECT TITLE/NO:

GSM SITES

1000

DRAWING TITLE:

CLARRO POU

المجلد الثاني

DRAWN BY: _____

CIVIL TEAM

CHECKED BY: مُتَبَرِّك:

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...

SCALE: *inches*

ACTUAL DATE:	07/04/2025
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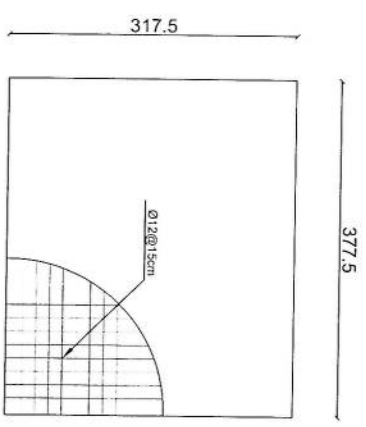
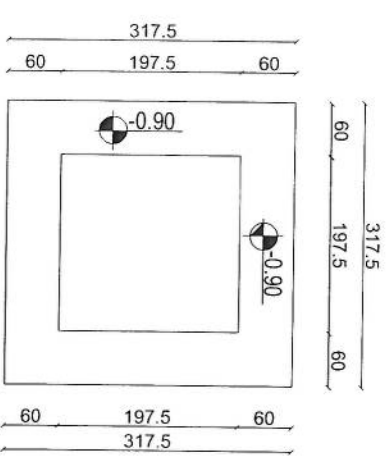
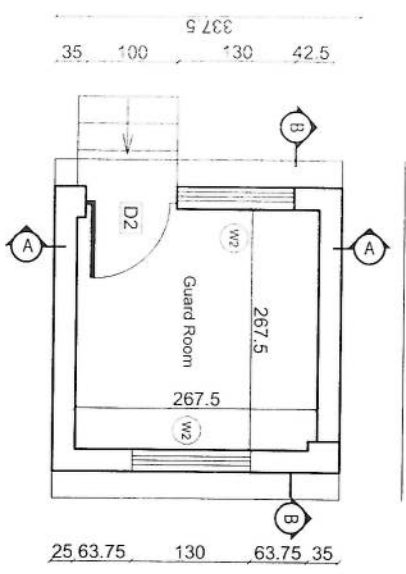
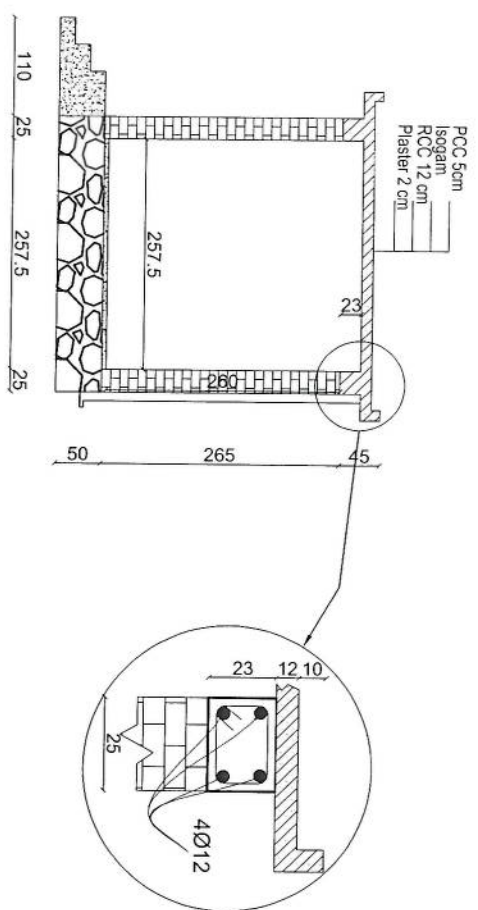
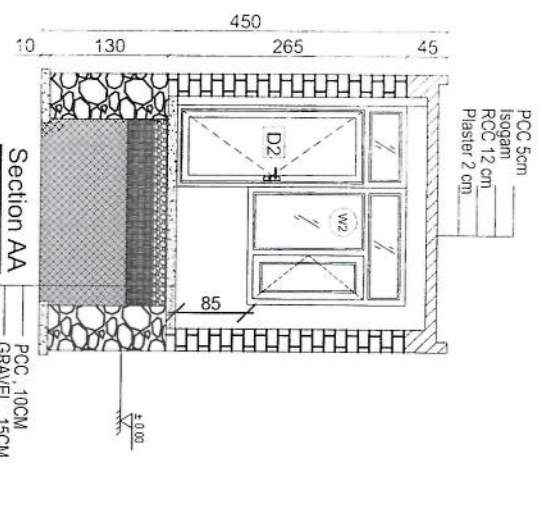
ISSUE DATE:	DRG. NO: 03
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OWNER: مطعم كوكا

ARSHAN TELECOM

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KABUL
AFGHANISTAN

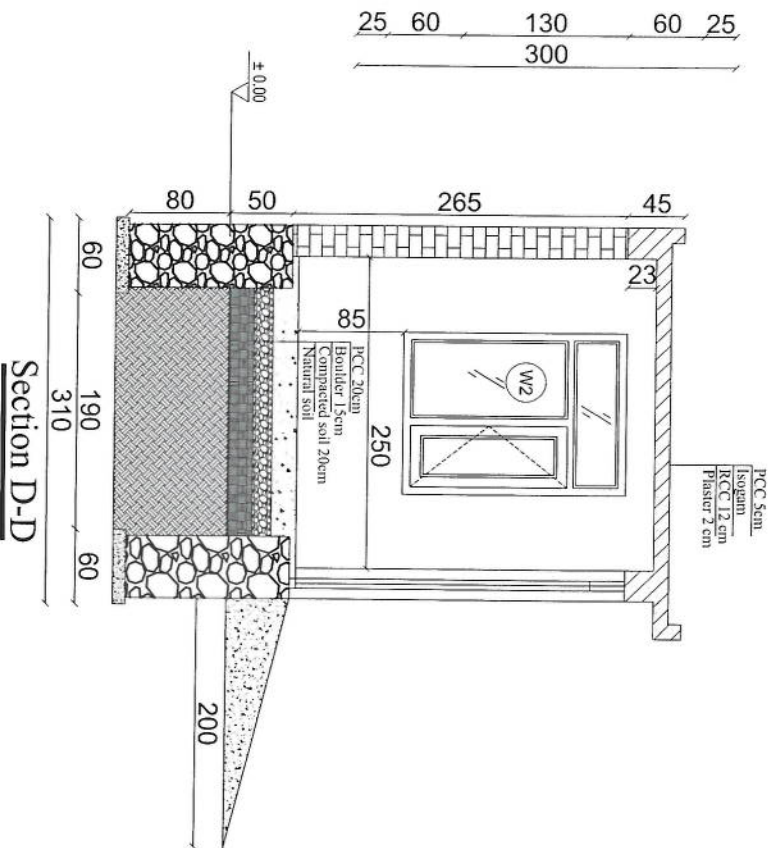
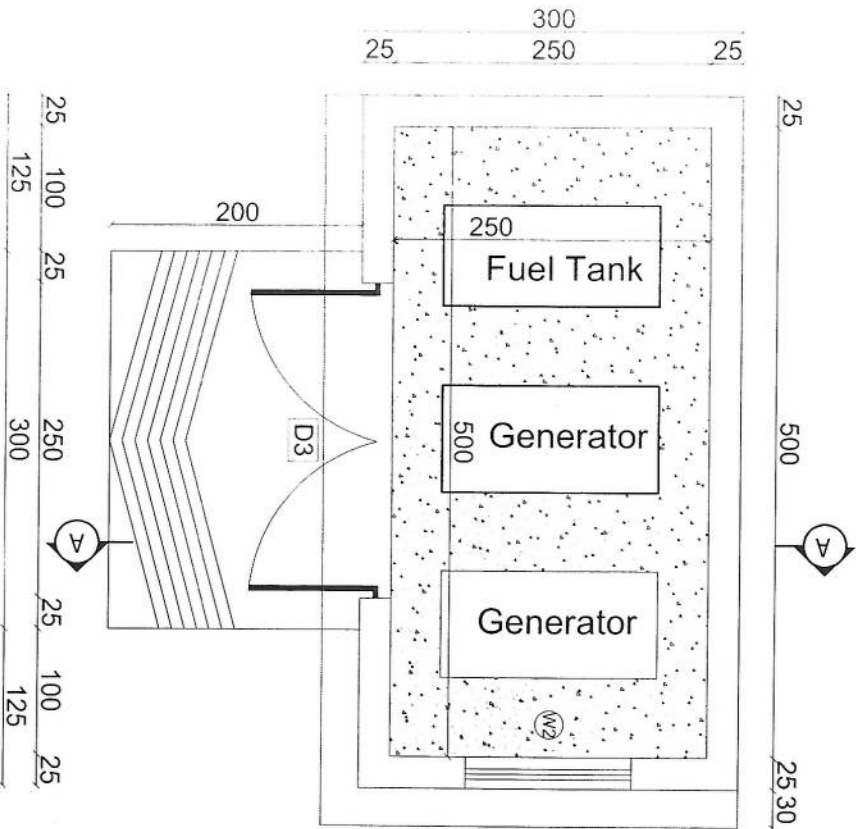


03	GUARD ROOM
09	REF. A103

SGT. 175

Excavation of Foundation

Rebar details of GR roof



Section D-D

04
09
REF. A104

GENERATOR FOUNDATION

SCALE: 1/75

REVISION RECORDS	
REVISION NO	DATE
1	07/04/2025
2	07/04/2025
3	07/04/2025
4	07/04/2025
5	07/04/2025
6	07/04/2025
7	07/04/2025
8	07/04/2025
9	07/04/2025
10	07/04/2025

LEGEND
CRACKED ROCK
PCC/PLASTER
RCC
GROUND LEVEL
WINDING TYPE 1
DOOR TYPE 3

PROJECT TITLE / NO.
GSM SITES
DRAWING TITLE
GENERATOR ROOM
DRAWN BY
CIVIL TEAM
CHECKED BY
APPROVED BY
SCALE
1:75
ACTUAL DATE
07/04/2025
ISSUE DATE
04
OWNER
AFGHAN TELECOM
OWNER
AFGHAN TELECOM

04
09
REF. A104

GENERATOR FOUNDATION

SCALE: 1/75

04
09
REF. A104

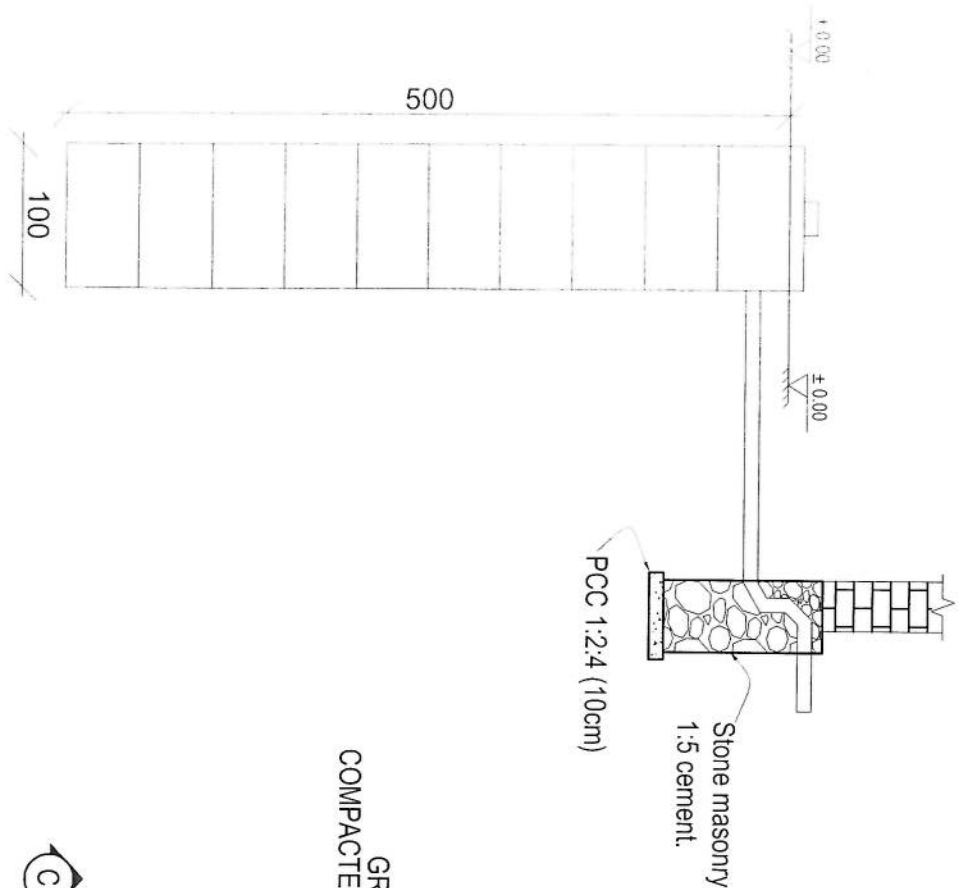
GENERATOR FOUNDATION

SCALE: 1/75

05
TOILET
REF. A105

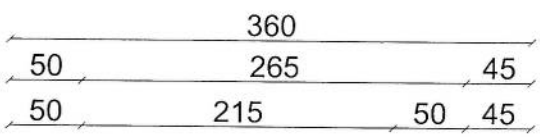
SCALE: 1:50

Well for toilet



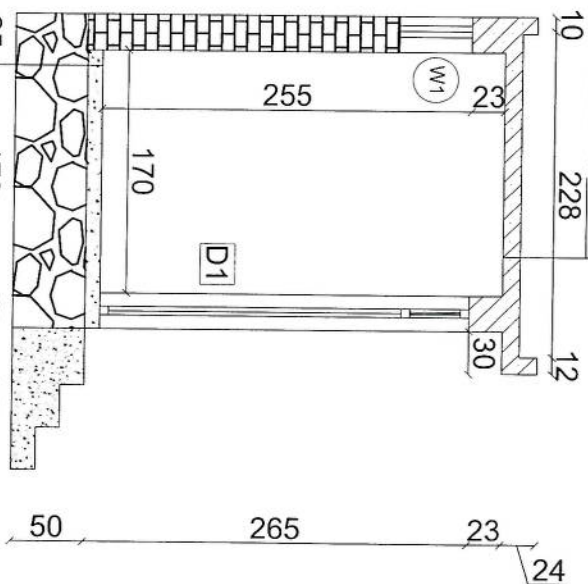
PCC, 10CM
GRAVEL, 15CM
COMPACTED SOIL 30CM

PCC 1:2:4 (10cm)
Stone masonry
1:5 cement

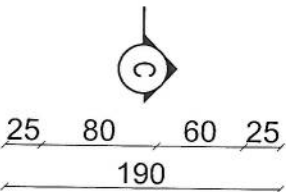
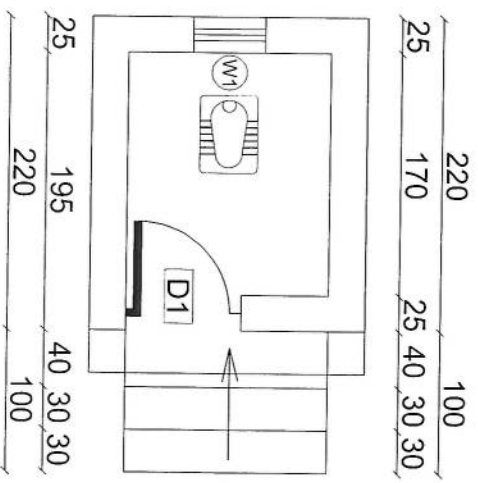
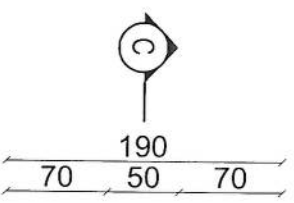


Section C-C

PCC 5cm
Isogam
RCC 12 cm
Plaster 2 cm

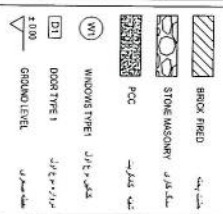


Toilet



REVISION RECORDS	
NO	DATE
1	07/04/2025

LEGEND:



PROJECT TITLE / NO:

GSM SITES
طرح سایت GSM

DRAWING TITLE:

TOILET
تویلت

DRAWN BY:
CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE: 1:50

ACTUAL DATE:
07/04/2025

ISSUE DATE:

OWNER:

AFGHAN TELECOM
ساتل ارتباطات افغانستان

REVISION RECORDS	
REVISION NO	DATE
01	07/04/2025
02	07/04/2025
03	07/04/2025
04	07/04/2025
05	07/04/2025
06	07/04/2025
07	07/04/2025
08	07/04/2025
09	07/04/2025
10	07/04/2025

LEGEND:

CRASHED ROCK

PCC PLASTER

RCC

GROUND LEVEL

1.00

PROJECT TITLE / NO:

GSM SITES

طرح سایت GSM

DRAWING TITLE:

ZTE OUTDOOR BTS FOUNDATION

BTS

DRAWN BY:

CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE:

ACTUAL DATE:

ISSUE DATE:

OWNER:

AFGHAN TELECOM

طرح سایت GSM

طرح سایت GSM

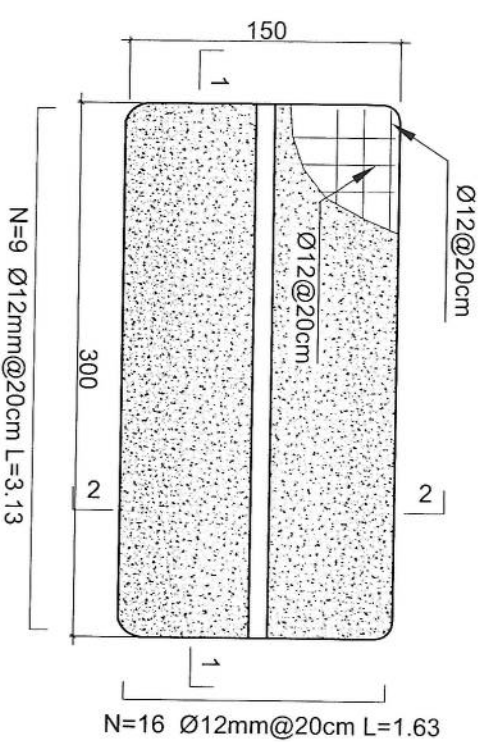
طرح سایت GSM

طرح سایت GSM

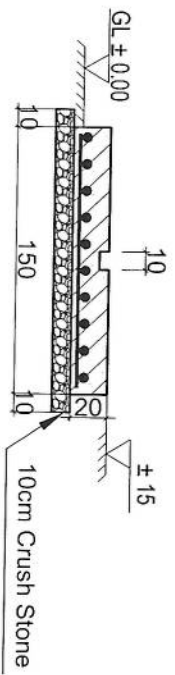
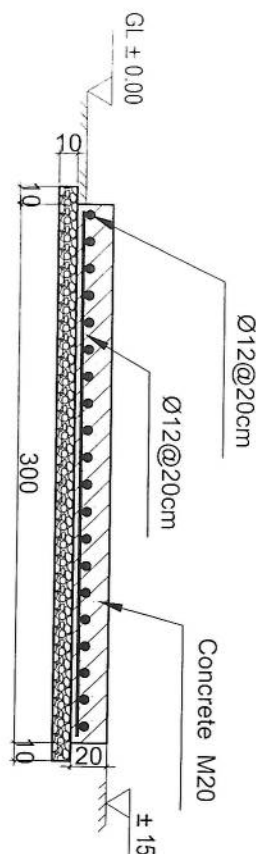
طرح سایت GSM

طرح سایت GSM

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



Outdoor BTS Foundation



REVISION RECORDS			
REVISION NO	DATE	DESCRIPTION	
01	07/04/2025	01	

LEGEND:	
CHANGED ROCK	
POC	

PROJECT TITLE / NO:	GSM SITES
CHECKED BY:	
DRAWN BY:	
CIVIL TEAM	
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
OWNER:	AFGHAN TELECOM
ACTUAL DATE:	07/04/2025
ISSUE DATE:	07
SCALE:	1:50

APPROVED BY:	
CHECKED BY:	
DRAWN BY:	
CIVIL TEAM	
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
OWNER:	AFGHAN TELECOM
ACTUAL DATE:	07/04/2025
ISSUE DATE:	07
SCALE:	1:50

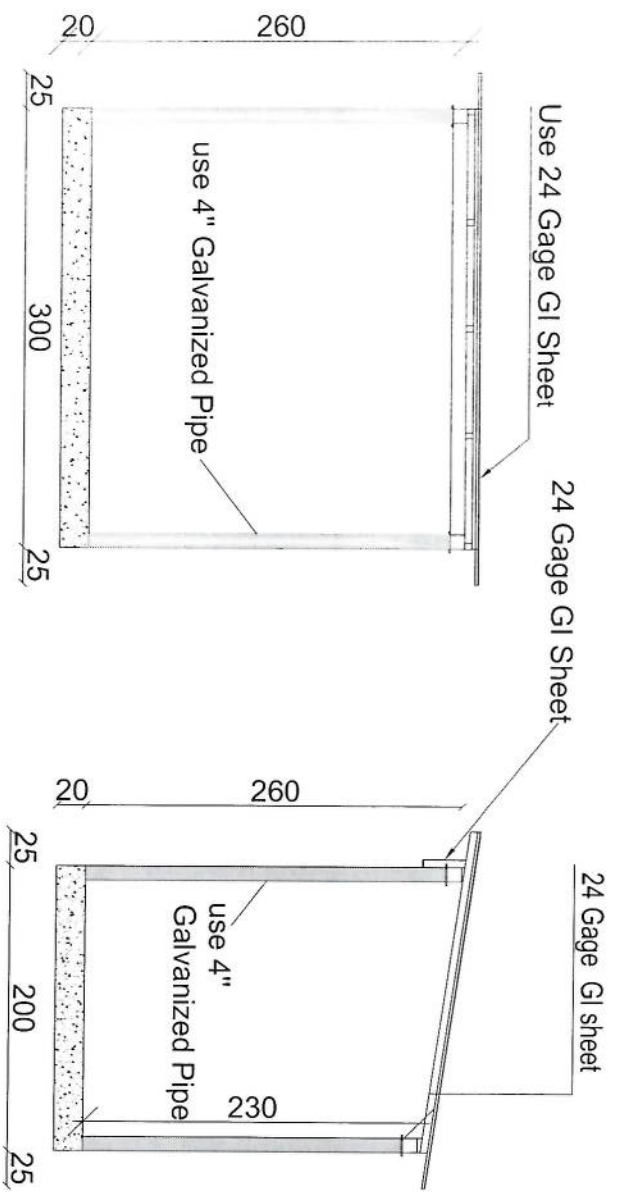
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CHECKED BY:	
DRAWN BY:	
CIVIL TEAM	
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
OWNER:	AFGHAN TELECOM
ACTUAL DATE:	07/04/2025
ISSUE DATE:	07
SCALE:	1:50

APPROVED BY:	
CHECKED BY:	
DRAWN BY:	
CIVIL TEAM	
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
OWNER:	AFGHAN TELECOM
ACTUAL DATE:	07/04/2025
ISSUE DATE:	07
SCALE:	1:50

APPROVED BY:	
CHECKED BY:	
DRAWN BY:	
CIVIL TEAM	
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
OWNER:	AFGHAN TELECOM
ACTUAL DATE:	07/04/2025
ISSUE DATE:	07
SCALE:	1:50

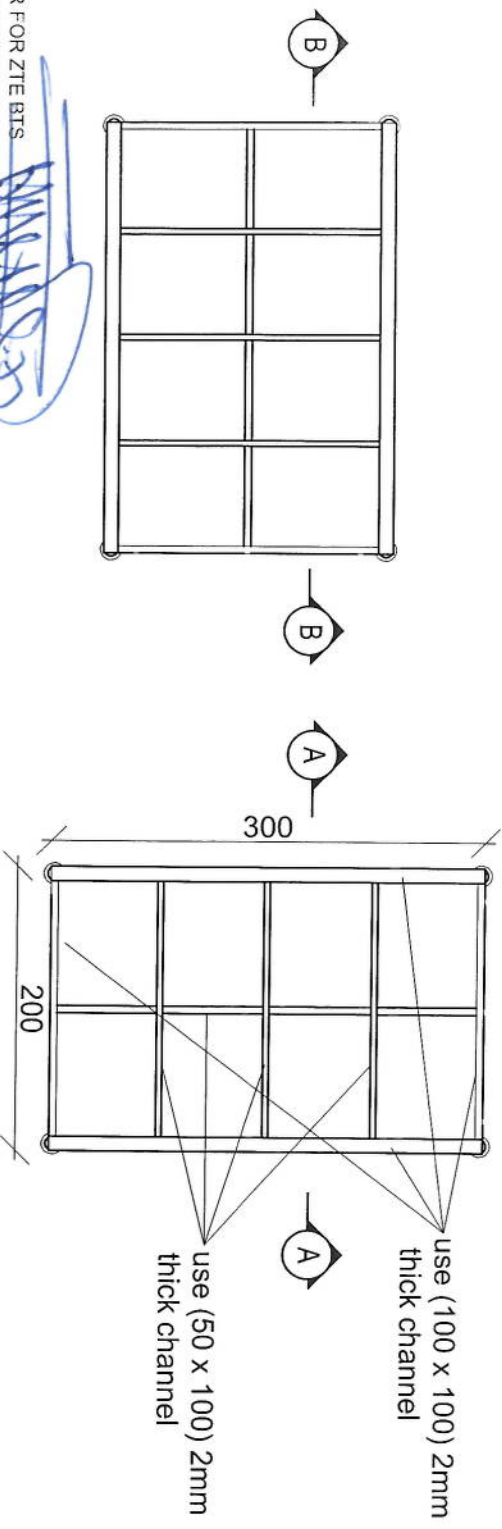
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CHECKED BY:	
DRAWN BY:	
CIVIL TEAM	
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
OWNER:	AFGHAN TELECOM
ACTUAL DATE:	07/04/2025
ISSUE DATE:	07
SCALE:	1:50

APPROVED BY:	
CHECKED BY:	
DRAWN BY:	
CIVIL TEAM	
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
OWNER:	AFGHAN TELECOM
ACTUAL DATE:	07/04/2025
ISSUE DATE:	07
SCALE:	1:50



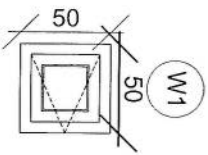
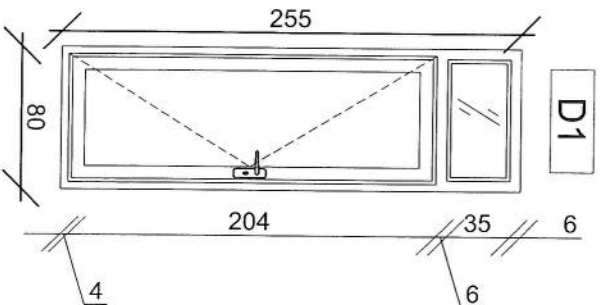
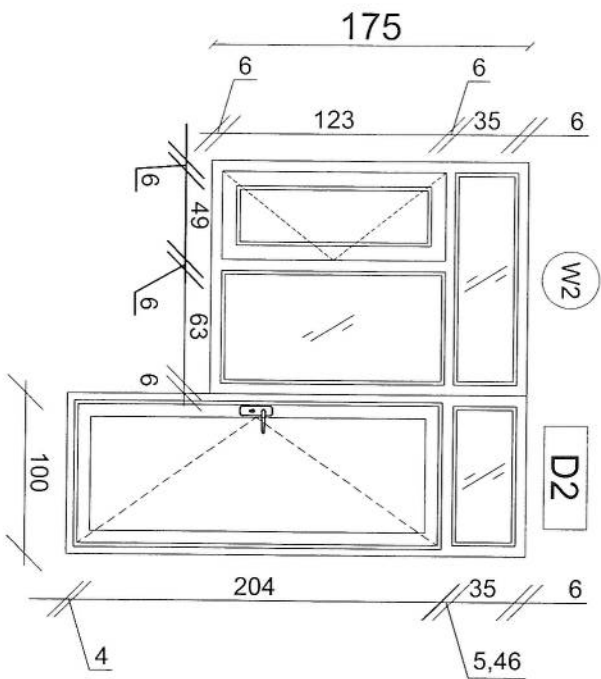
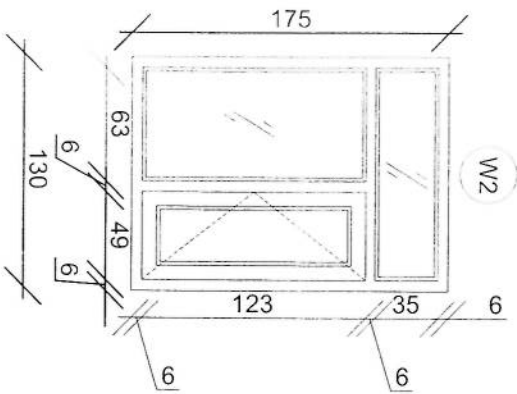
Section BB

Section AA



SUN SHELTER FOR ZTE BTS

SCALE: 1:50



08
09

DOORS & WINDOWS DETAILS
REF. A108

SCALE: 1:20

REVISION RECORDS

REVISION NO	DATE	DESCRIPTION
1	07/04/2025	ISSUE DATE: 08

LEGEND:

- (W1) WINDOWS TYPE 1
- (W2) WINDOWS TYPE 2
- (D1) DOOR TYPE 1
- (D2) DOOR TYPE 2

PROJECT TITLE / NO:

GSM SITES

DRAWING TITLE:

DOORS & WINDOWS DETAILS

DRAWN BY:

CHECKED BY:

APPROVED BY:

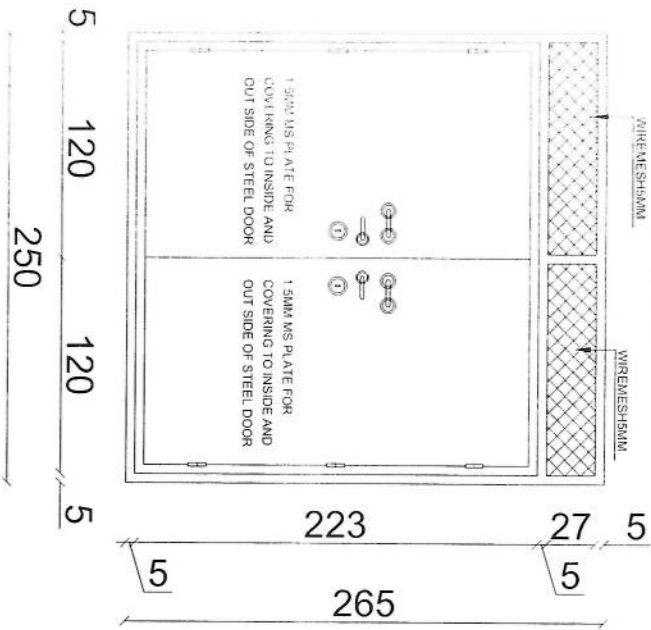
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ACTUAL DATE: 07/04/2025

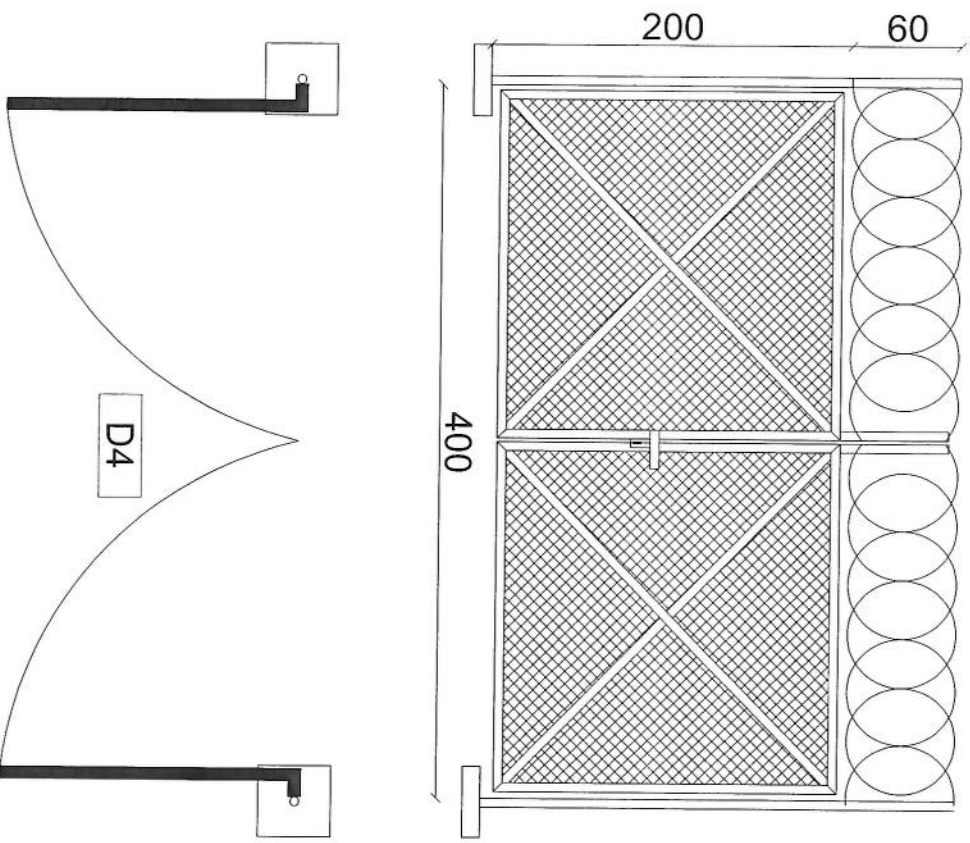
OWNER:

Salam Telecom Company
KABUL
AFGHANISTAN

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D3



D4

D4

REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION
1	07/04/2025	ISSUE DATE

LEGEND:	
(M)	BRICK PAVED

(W)	WIRE MESH
(D1)	DOOR TYPE 1
(D2)	DOOR TYPE 2
(D3)	DOOR TYPE 3

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

DRAWING TITLE:	DOORS DETAILS
DRAWN BY:	CIVIL TEAM
CHECKED BY:	
APPROVED BY:	

SCALE:	1:25
ACTUAL DATE:	07/04/2025
ISSUE DATE:	

OWNER:	AFGHAN TELECOM
PROJECT NO:	
DRG NO:	09

A B C D E F 3



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SUTAN MASOOM
LOGISTICS & ENGINEERING SERVICES

TOWER TYPE "AK1"

LATTICE Tower:40m
Loading-EPA=10 -Wind speed 160km/h

A

B

C

D

E

F

G

1

2

3

4

5

LATTICE Tower:40m

Loading-EPA=10 -Wind speed 160km/h

APPROVAL DRAWING

TOWER TYPE "AK1"



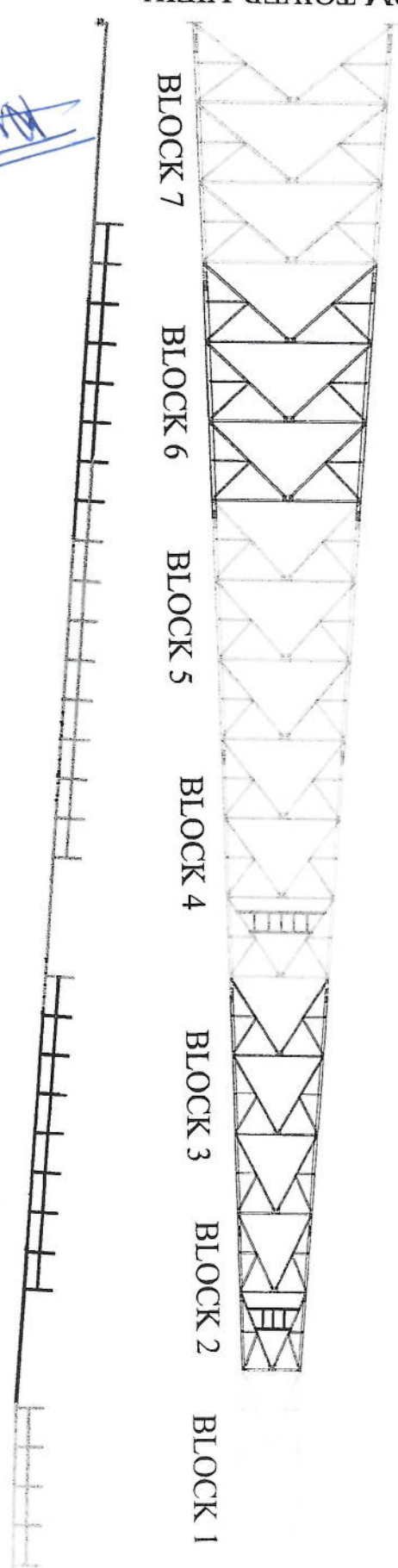
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TOTAL WEIGHT IN 40 M G.F TOWER		
BLOCK NO.	BLOCK HEIGHT (M)	WEIGHT
BLOCK 1	6	705.96 kg
BLOCK 2	4	473.02 kg
BLOCK 3	6	650.17 kg
BLOCK 4	6	938.12 kg
BLOCK 5	6	1036.82 kg
BLOCK 6	6	1267.39 kg
BLOCK 7	6	1508.92 kg
LADDER		740.09 kg
SUPPORT		161.29 kg
BASE		524.41 kg
TOTAL		8006.20 kg

G T E D C B A

RED	WHITE	RED	WHITE	RED
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40M TOWER VIEW

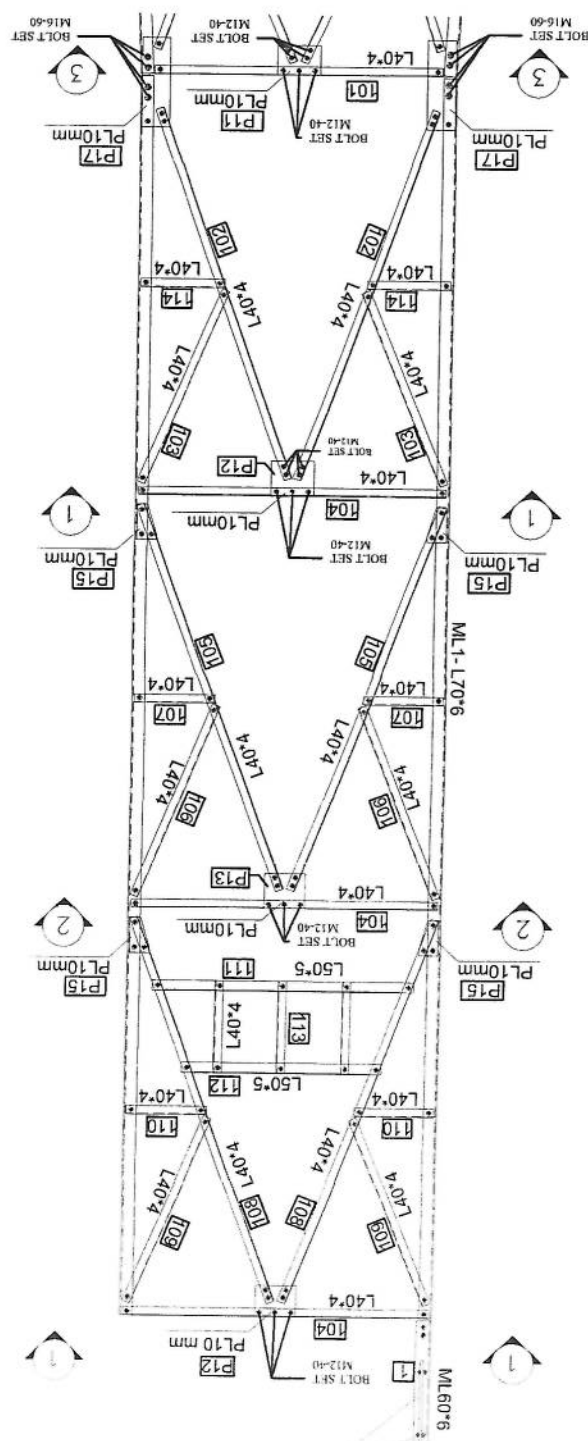
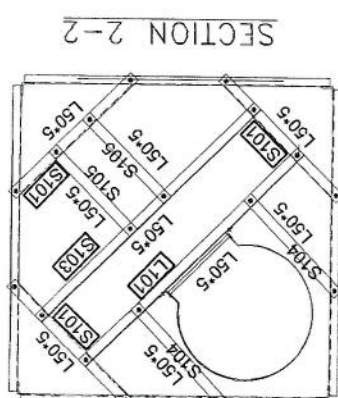


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SUTUN MYSOOM
CONSULTING & ENGINEERING SERVICES

SCALE:	DAKALSAZAN DWG NO:	REVISIONS
FORMAT: A1	DESIGN STAGE: DETAIL DESIGN	REV: 0
DESIGN AND MANUFACTURER		1 OF 20
KATIAN CO.		
CONTRACTOR		
SUTUN MYSOOM		
APPROVAL DRAWING		
PANEL 4		
FOR TOWER TYPE 40-160-EPA10(AK1-40m)		
AFGHAN TELECOM		
CLIENT:		
REV	DESCRIPTION	DATE
2		
1		
APPR	CHECK	DATE
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Length	Weight	Weight	Total Weight	705.96 Kg
6	38.9958	4	4	3.733132
7.28	3.507146	4	4	5.20786
1.925	4.738725	4	4	27.8178
0.978	2.4074326	8	8	0.412
1.475	3.6310075	12	12	0.412
2.04	5.021868	8	8	3.31866
1.004	2.4713468	8	8	3.8831
0.575	0.9231375	8	8	9.9704
2.043	5.025251	8	8	23.896
0.575	0.9231375	8	8	26.5328
1.006	2.474702	8	8	12.4012
0.596	0.9748332	8	8	7.7456
0.495	1.2185415	12	12	15.4912
0.88	3.808872	4	4	5.5669131
1.21	4.648699	4	4	5.8851505
0.375	0.9231375	8	8	4.7720822
1.006	2.474702	8	8	4.6059562
0.575	0.9231375	8	8	5.6283835
1.006	2.474702	8	8	9.8544735
0.575	0.9231375	8	8	27.6168
0.495	1.2185415	12	12	27.6168
0.88	3.808872	4	4	7.796656
1.21	4.648699	4	4	14.622498
0.375	0.9231375	8	8	15.32488
1.006	2.474702	8	8	18.59496
0.575	0.9231375	8	8	7.5851
1.006	2.474702	8	8	40.174944
0.575	0.9231375	8	8	43.57290
1.006	2.474702	8	8	19.0602405
0.575	0.9231375	8	8	37.91678
1.006	2.474702	8	8	13.588544
0.575	0.9231375	8	8	155.9052
Weight	Weight	Weight	Total Weight	705.96 Kg



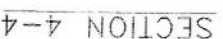
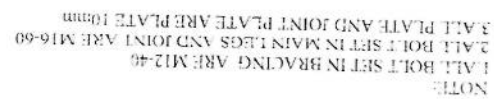
NOTE:
1. ALL BOLT SET IN BRACING ARE M12-40
2. ALL BOLT SET IN MAIN LEGS ARE M16-60

BLOCK 1

DATE	REV	DESCRIPTION	DESIGN	DRAWN	CHECK	APPR	VER
2	1	FIRST ISSUE	A.M.	M.H.S.	D.D.M.	A.M.	---

PROFILES GRADE LEGEND

1-L = S107
2-ML = S150
3-J-T = S152
4-ALL JOINT PLATES ARE S152



SECTION 5-5

150'5" L380'

150'5" L307'

150'5" L307'

SECTION 5-5

DATE	REV	CHG	APPR	CHKD	DESIGN	APPR	CHKD	DATE
---	---	---	---	---	---	---	---	---
								
FOR TOWER TYPE 40-160-EPA10(AK1-40M) PANEL 4 APPROVAL DRAWING								
CONTRACTOR								
DESIGN AND MANUFACTURER								
DAKATAN KALAN CO.								
FORMAT: A1								
DESIGN STAGE: DETAIL DESIGN								
REV: 0								
1 OF 20								

REV	SH	TOTAL
1	0	1
1 OF 20		

SCALE:	FORMAT: A1	DESIGN STAGE: DETAIL DESIGN
DARUL SAZAN ENG NO.		
CONTRACTOR: SUTUN MYSOOM		
DESIGN AND MANUFACTURER: DAKALAZAY KALAN CO.		
TITLE: APPROVAL DRAWING FOR TOWER TYPE 40-160-CPA10(AK1-40m) PANEL 4		
CLIENT: AFGHAN TELECOM	DESIGNER: SUTUN MYSOOM	DATE: 10/10/2019
REV	DESCRIPTION	DATE
1	DESIGN	10/10/2019
2	CHECK	10/10/2019
3	APPROVE	10/10/2019

PROFILES GRADE LEGEND

1-L=ST37

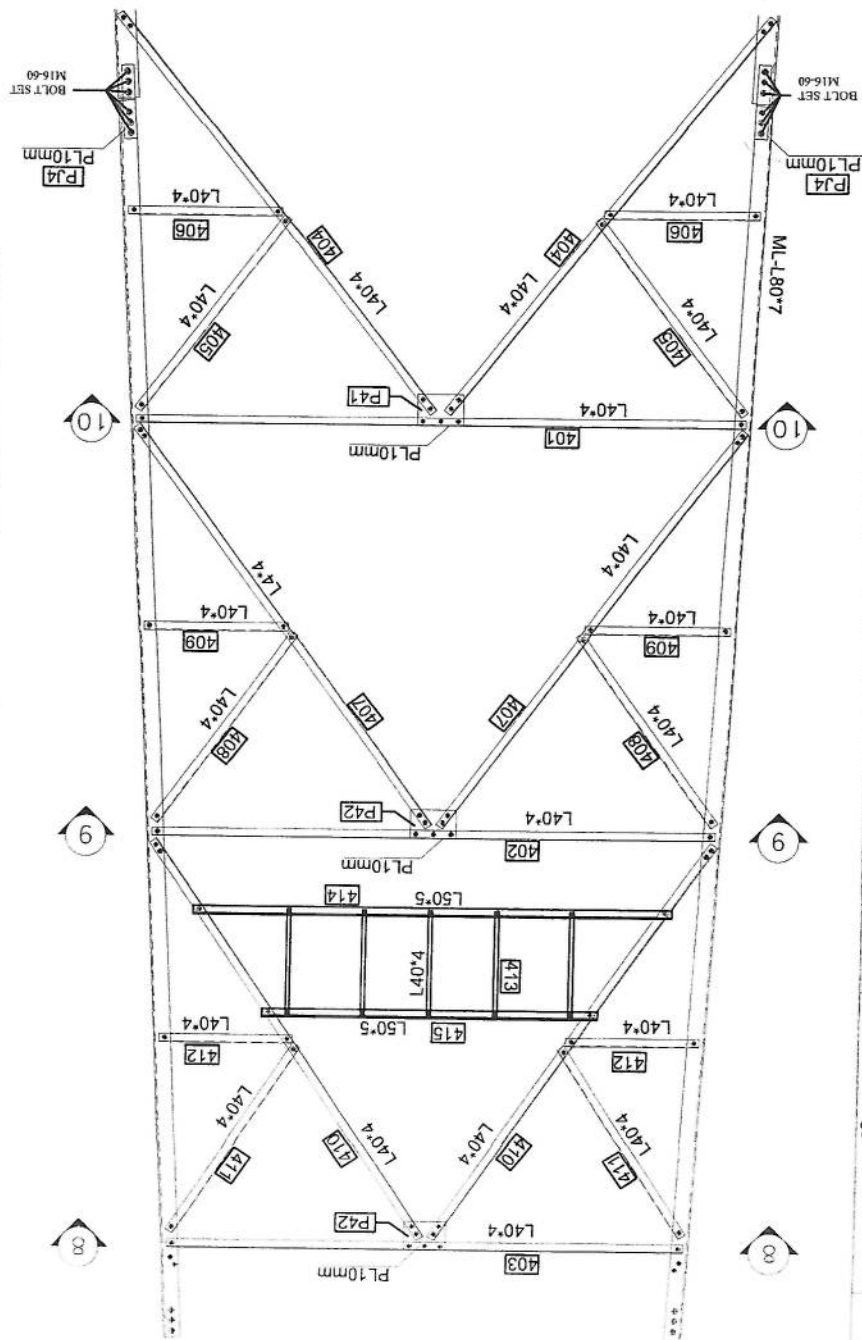
2-ML=ST50

3-HT=ST52

4-ALL JOINT PLATES ARE ST52

Handwritten signature

BLOCK 4



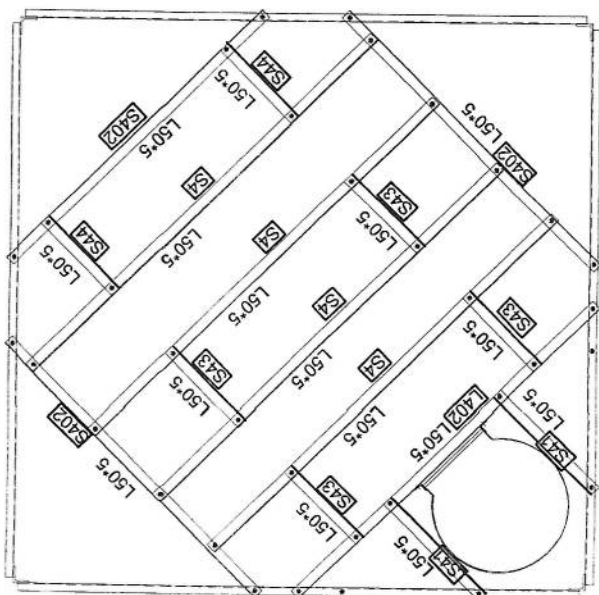
NOTE:

1 ALL BOLT SET IN BRACING ARE M12-40

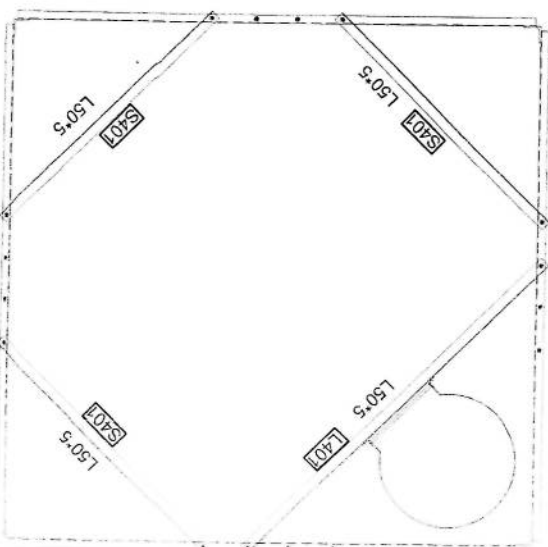
2 ALL BOLT SET IN MAIN LEGS AND JOINT ARE M16-60

3 ALL PLATE AND JOINT PLATE ARE PL 10mm

SECTION 9-9

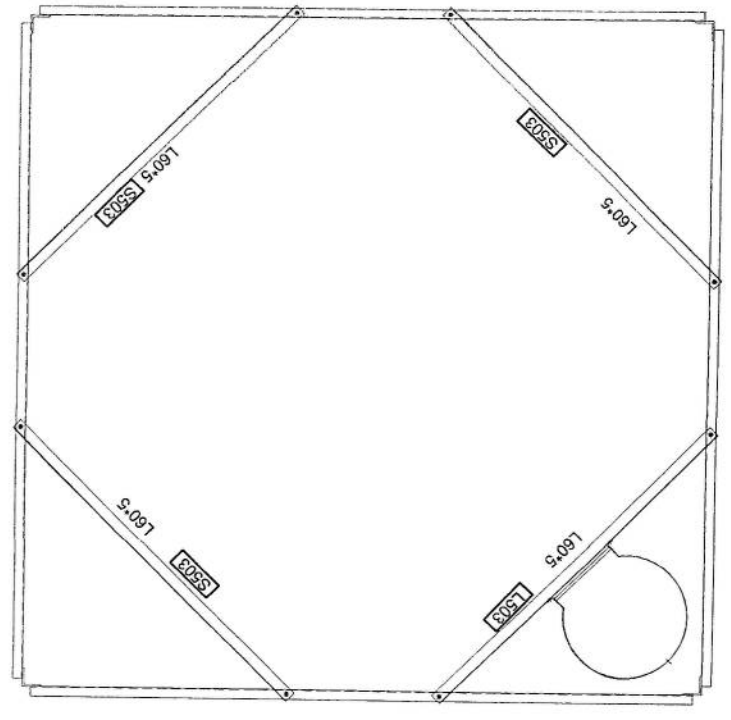


SECTION 8-8

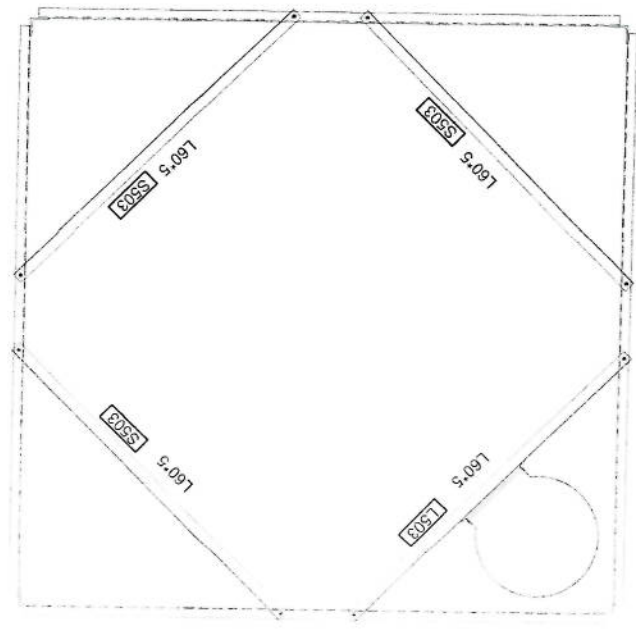


A B C D E F

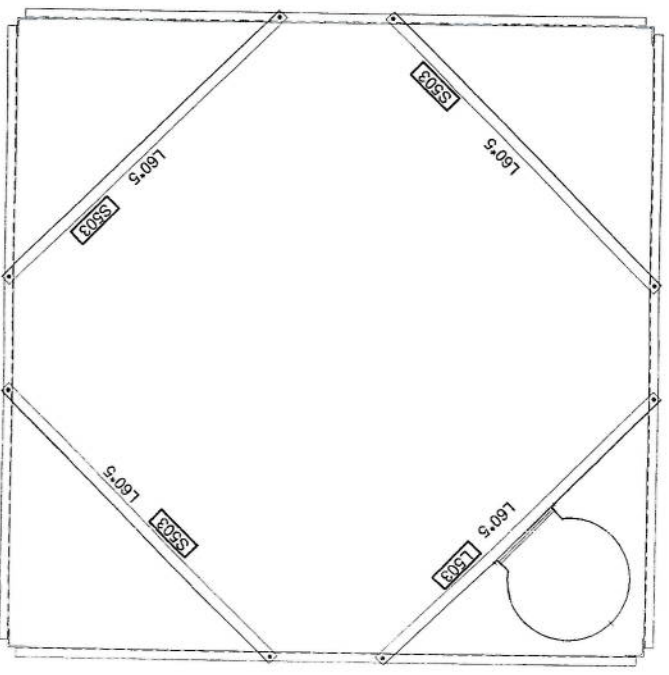
SECTION 13-13



SECTION 11-11



SECTION 12-12

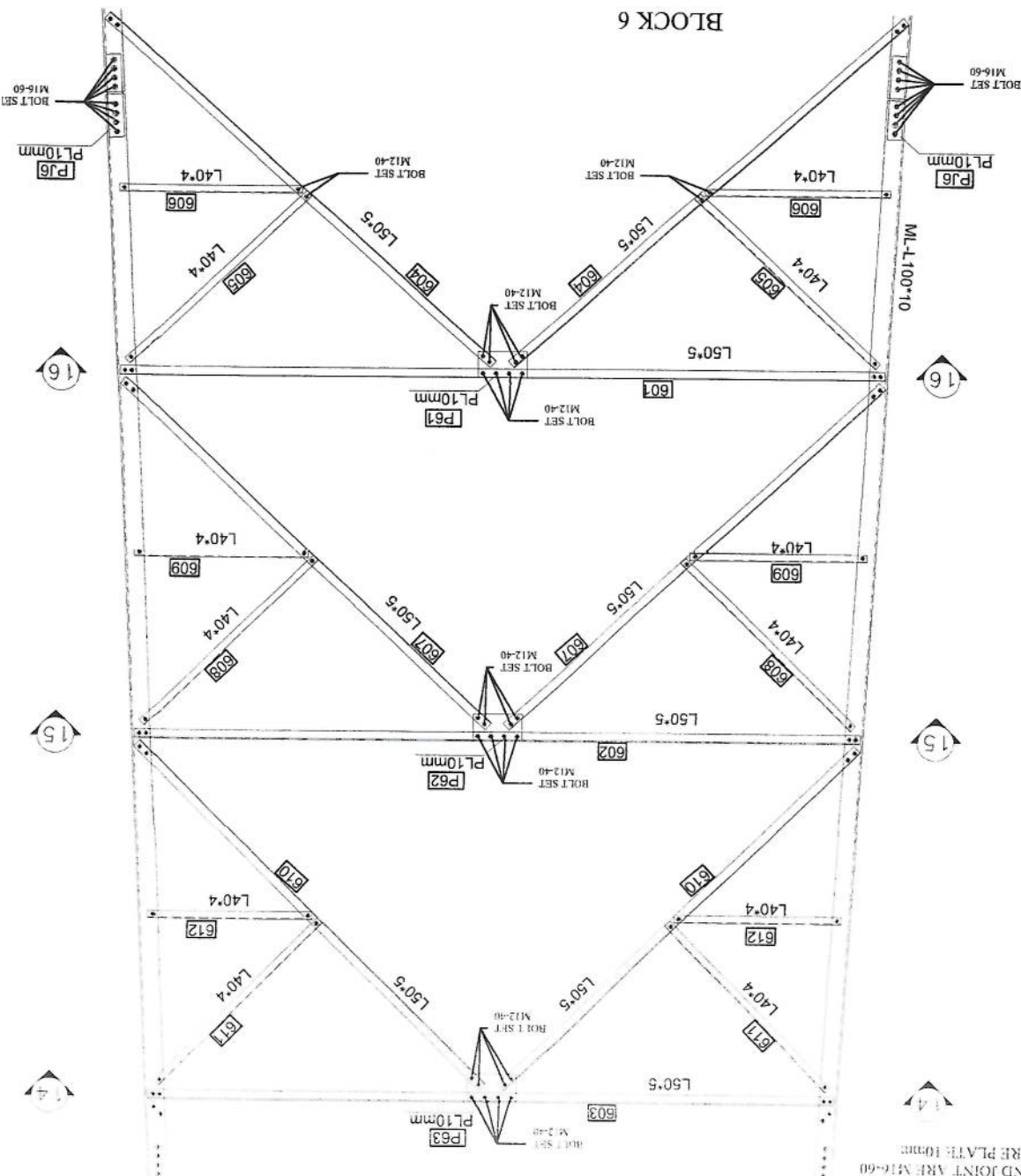
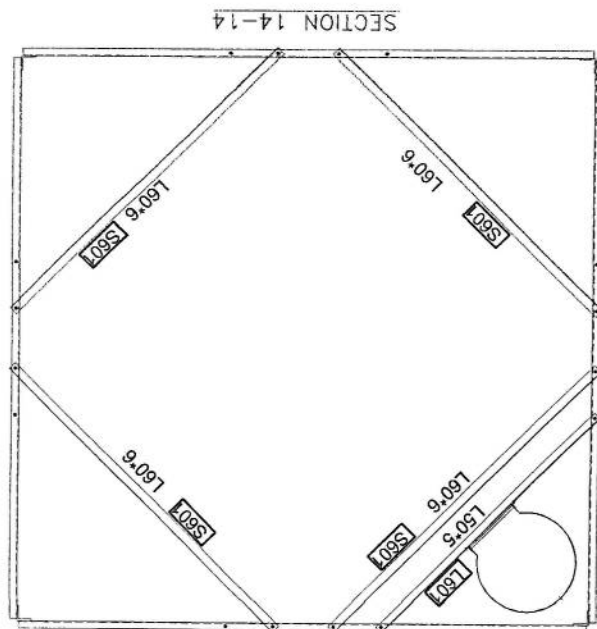


SCALE		FORMAT: A1		DESIGN STAGE: DETAIL DESIGN	
DRAKASAZAN DWG NO:		REV:		SH. / TOTAL	
0		1		Of: 20	
 					
DAKASAZAN KALAN CO. DESIGN AND MANUFACTURER					
CONTRACTOR					
SUTAN MYROOM					
FOR TOWER TYPE 40-160-EPA10(AK1-40m)					
PANEL 4					
APPROVAL DRAWING					
AFGHAN TELECOM					
CLIENT:					
REQ. 2					
FEST. GULC					
DESCRIPTION					
DESIGN CHECK APPR. VRT. DATE					

SUTAN MYROOM

DATE: 01/01/20	SCALE: 1/20	REVISION: 0	SH. / TOTAL: 1
PROJECT: DAKLA 5A2AN DWG NO:	DESIGN STAGE: DETAIL DESIGN	FORMAT: A1	DATE: 01/01/20
DESIGN AND MANUFACTURER: SULTAN MANSOOR	CONTRACTOR: SULTAN MANSOOR	APPROVAL DRAWING: APPROVAL DRAWING	TITLE: FOR TOWER TYPE 40-160-EPA10(AK1-40m)
CUSTOMER: AFGHAN TELECOM	DESIGN: A GH	CHECK: A GH	DATE: 01/01/20
APPROVAL: A GH	DESIGN: A GH	CHECK: A GH	DATE: 01/01/20
APPROVAL: A GH	DESIGN: A GH	CHECK: A GH	DATE: 01/01/20
APPROVAL: A GH	DESIGN: A GH	CHECK: A GH	DATE: 01/01/20

SULTAN MANSOOR
ENGINEERING SERVICES



NOTE:
1. ALL BOLT SET IN BRACING ARE M12-40
2. ALL BOLT SET IN MAIN LEGS AND JOINT ARE M16-60
3. ALL PLATE AND JOINT PLATE ARE PLATE 10mm

1
2
3
4
5

SCALE: 1/4" = 1'-0"		DATE: 01/20	
REVISION: SH. / TOTAL		REVISION: SH. / TOTAL	
DESIGN STAGE: DETAIL DESIGN		DESIGN STAGE: DETAIL DESIGN	
FORM: A7		FORM: A7	
DRAFTER: KALAN CO.		DRAFTER: KALAN CO.	
DESIGN AND MANUFACTURER: SUTAN MYSOOM		DESIGN AND MANUFACTURER: SUTAN MYSOOM	
CONTRACTOR: SUTAN MYSOOM		CONTRACTOR: SUTAN MYSOOM	
TITLE: APPROVAL DRAWING		TITLE: APPROVAL DRAWING	
FOR TOWER TYPE 40-160-EPA10(AK1-40m)		FOR TOWER TYPE 40-160-EPA10(AK1-40m)	
PANEL 4		PANEL 4	
AFGHAN TELECOM		AFGHAN TELECOM	
CLIENT: AFGHAN TELECOM		CLIENT: AFGHAN TELECOM	
REV: 3		REV: 3	
DESCRIPTION: FIRST ISSUE		DESCRIPTION: FIRST ISSUE	
A. CH. BY: J. DE		A. CH. BY: J. DE	
DESIGN: J. DE		DESIGN: J. DE	
CHECK: J. DE		CHECK: J. DE	
APP: J. DE		APP: J. DE	
DATE: 01/20		DATE: 01/20	

PROFILES GRADE LEGEND

1-L=ST37

2-ML=ST50

3-HT=ST52

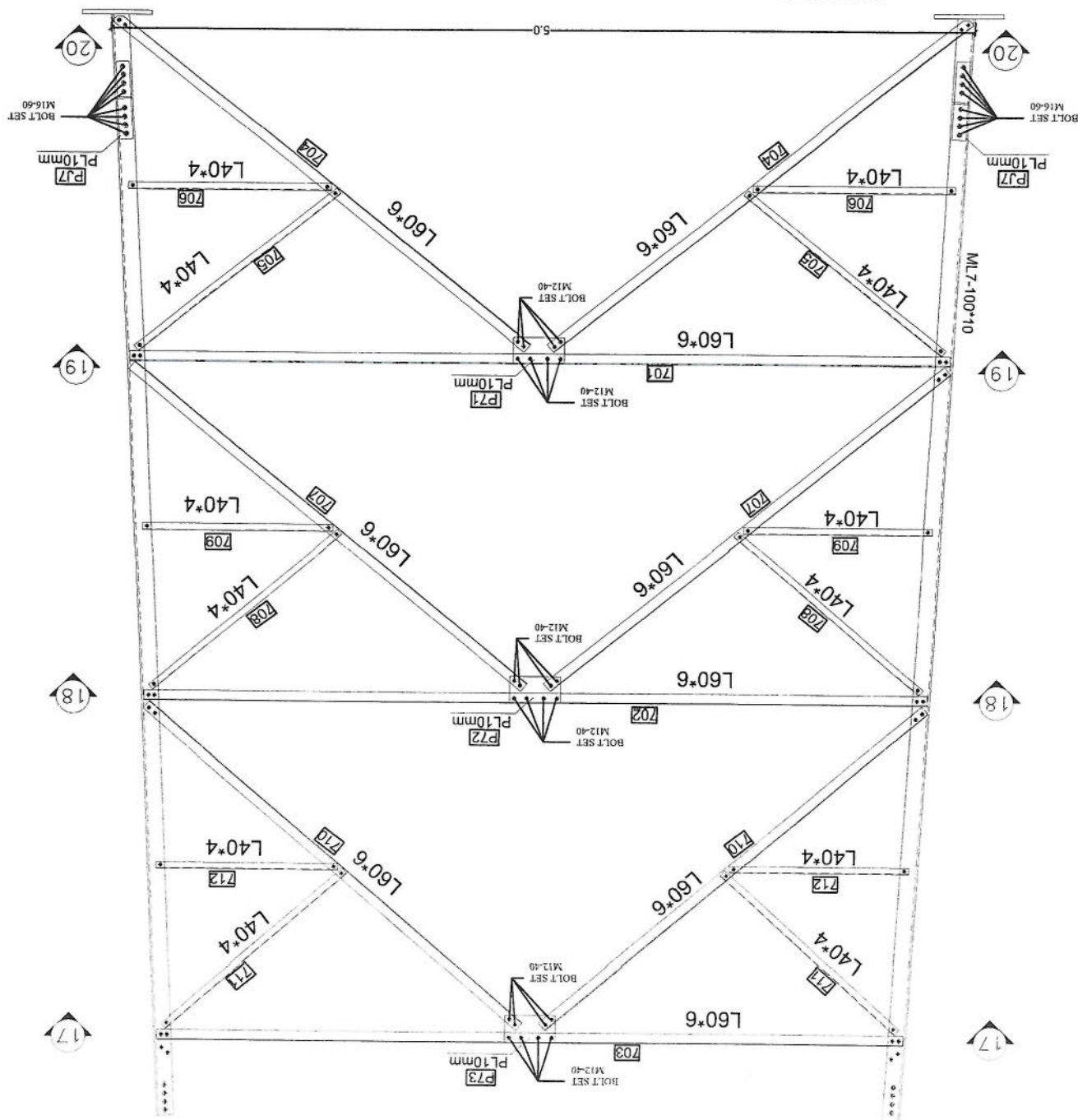
4-ALL JOINT PLATES ARE ST52

[Handwritten Signature]

SUTAN MYSOOM

LOGISTICS & ENGINEERING SERVICES

BLOCK 7



NOTE:

1. ALL BOLT SET IN BRACING ARE M12-40

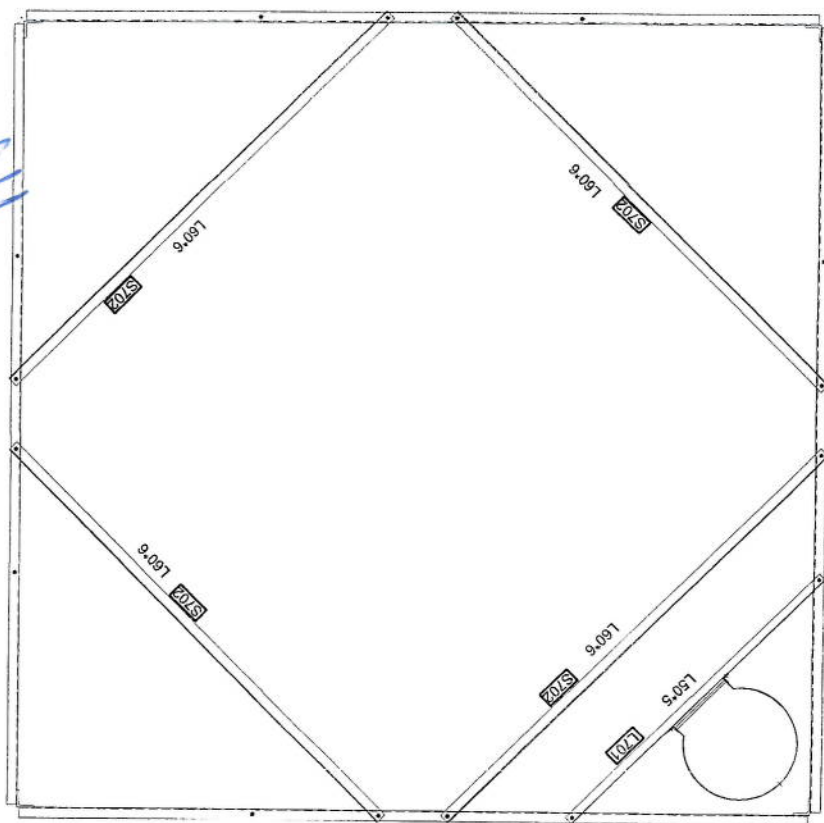
2. ALL BOLT SET IN MAIN LEGS AND JOINT ARE M16-60

3. ALL PLATE AND JOINT PLATE ARE PLATE 10mm

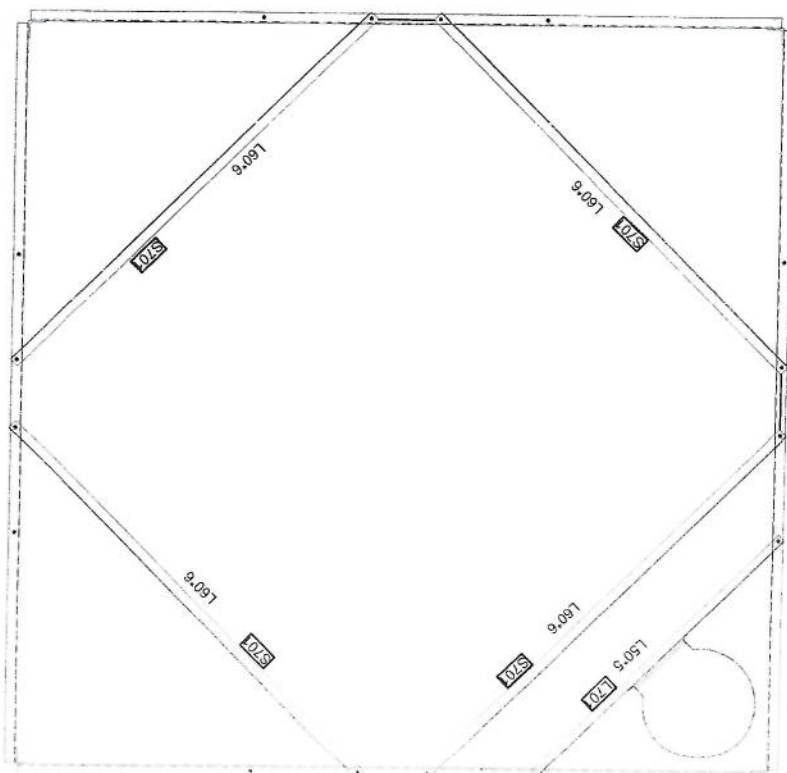
SCALE: 1:100		DRAWING NO: 10714	
REV: 0		DATE: 10/10/14	
DESIGN AND MANUFACTURER: SUTUN MYSOOM		DESIGN STAGE: DETAIL DESIGN	
KALAN CO.		FORMAT: A1	
CONTRACTOR: SUTUN MYSOOM		PROJECT: FOR TOWER TYPE 40-160-EPA10(AK1-40m)	
APPROVAL DRAWING		PANEL 4	
AFGHAN TELECOM		CLIENT:	
REV	DATE	BY	CHECK
1			
2			

SUTUN MYSOOM
ENGINEERING SERVICES

SECTION 18-18



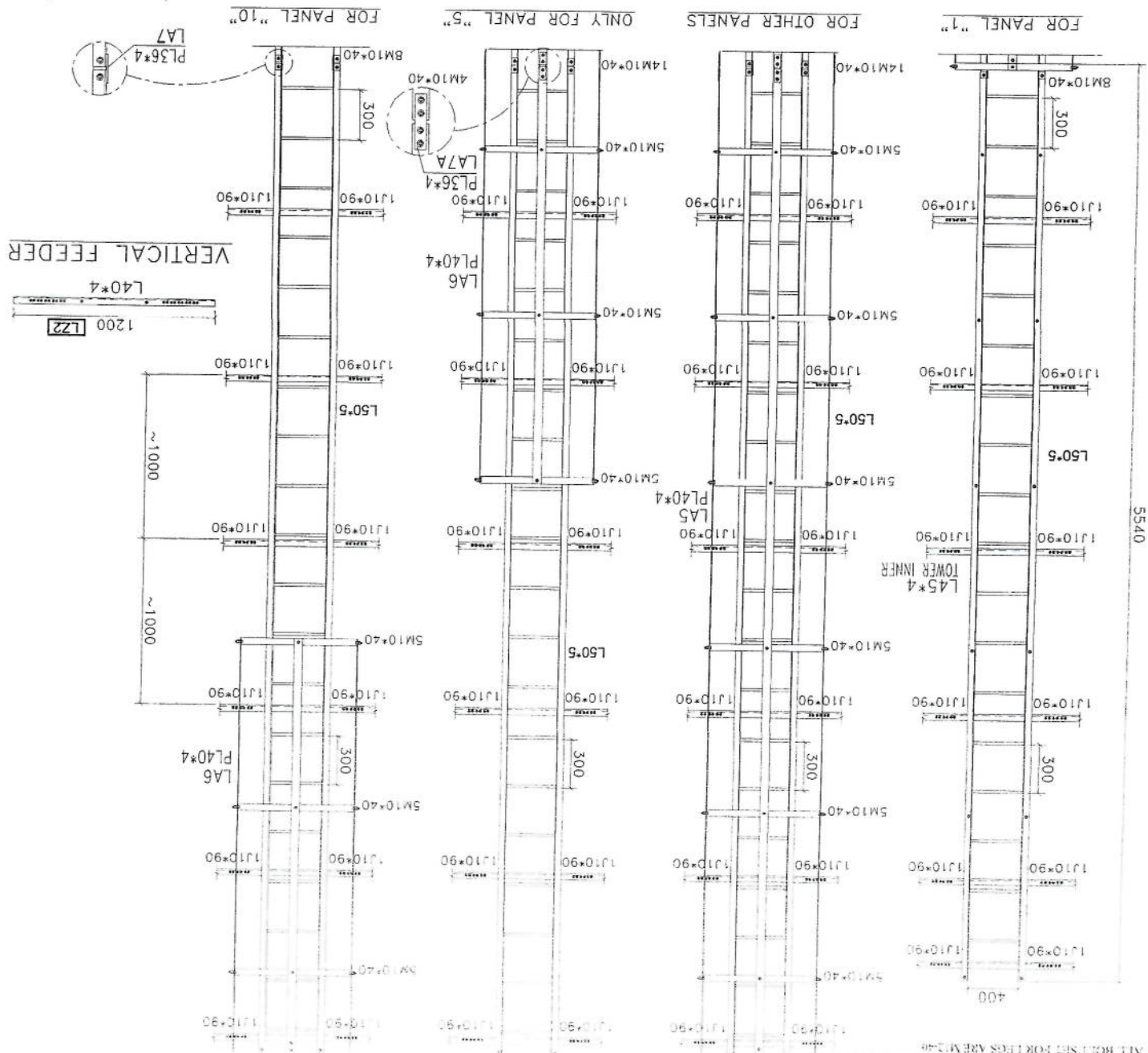
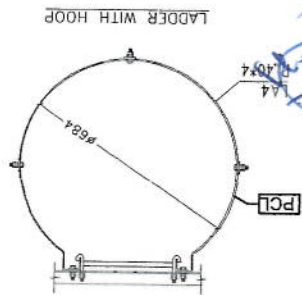
SECTION 17-17



A B C D E F S

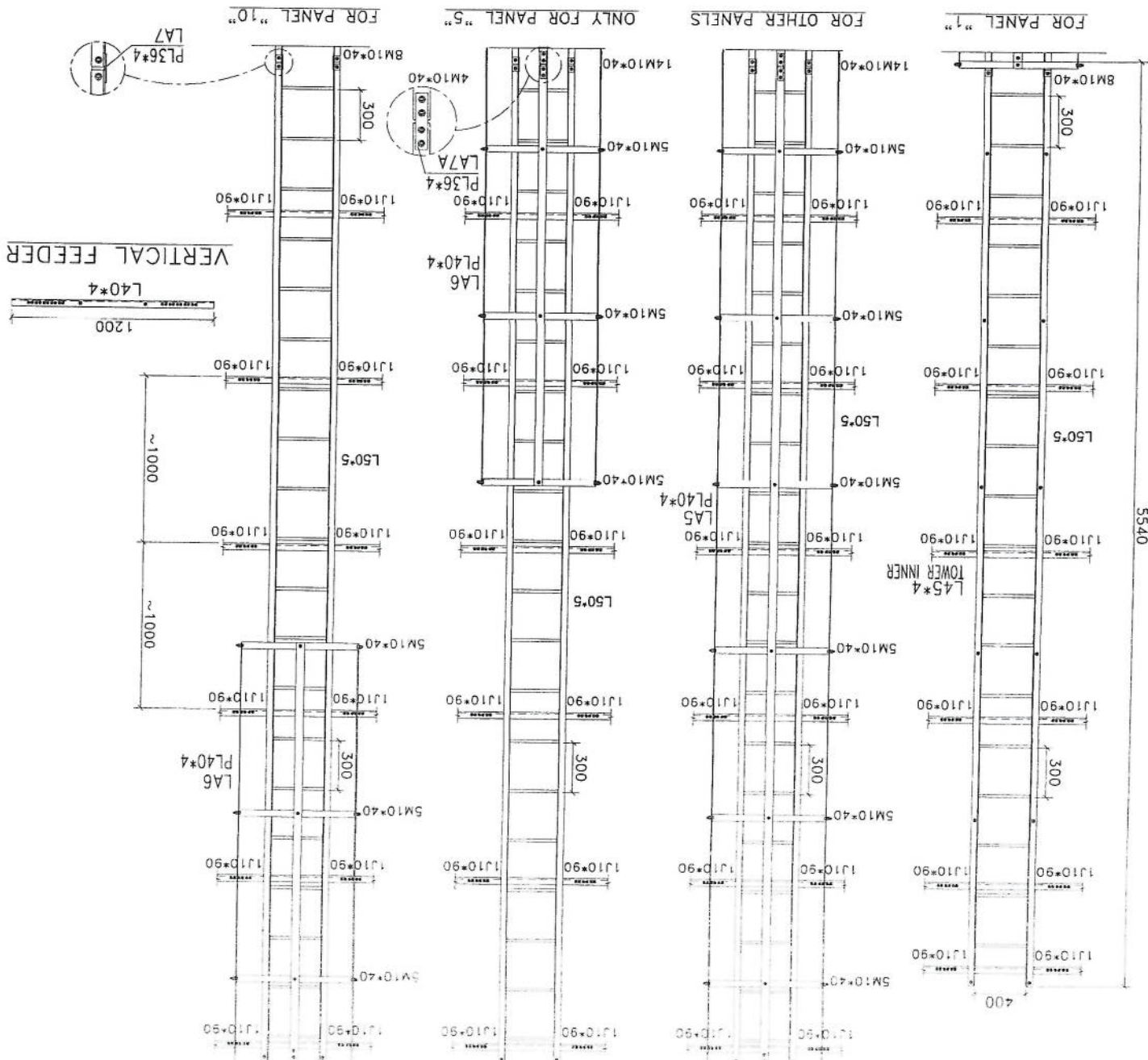
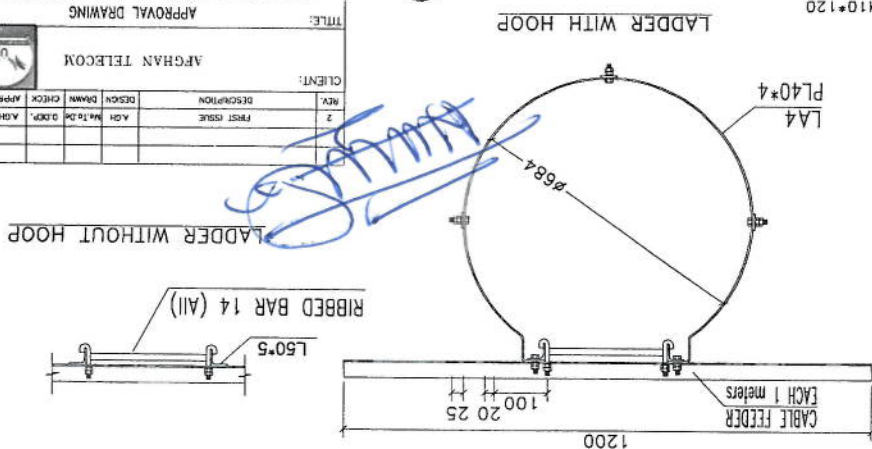
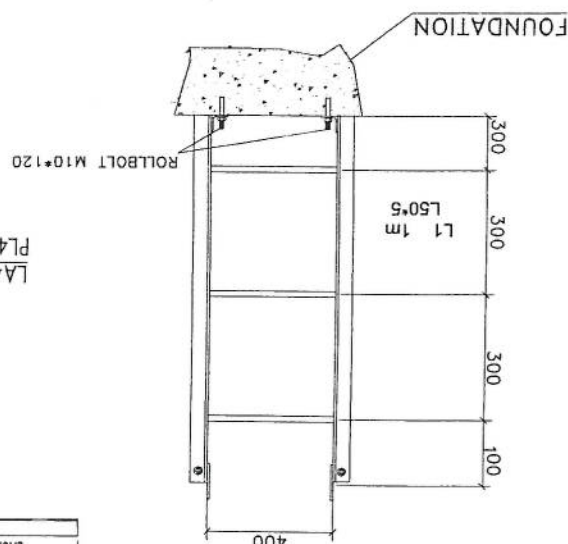
1 2 3 4 5

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
ladder	PCL	P40X4	1.875	2.433375	29	70.567875
ladder	P15	P140X4	5.996	7.7816088	3	23.3448264
ladder	P14	P140X4	4.168	5.4092304	3	16.2276912
ladder	P13	P140X4	5.603	7.2715734	3	21.8147202
ladder	P12	P140X4	1.448	1.8792144	3	5.6376432
ladder	P11	P140X4	4.05	5.25699	3	15.76827
ladder	L17	150X5	5.995	23.0321905	2	46.064381
ladder	L16	150X5	5.995	23.0321905	2	46.064381
ladder	L15	150X5	5.995	23.0321905	2	46.064381
ladder	L14	150X5	5.997	23.038743	2	46.0797486
ladder	L13	150X5	5.997	23.038743	2	46.0797486
ladder	L12	150X5	2.998	11.5180162	2	23.0360324
ladder	L11	150X5	6.048	23.2358112	2	46.4716224
ladder	ROD	Φ 16	0.5	0.8137	2	1.6274
ladder	JPP	P1184*40*8	1	0.4738	9	4.2642
ladder	JPL	P1105*40*8	1	0.2678	24	6.4272
ladder	J22	140X4	1.2	2.95404	40	118.1616
ladder	J BOLT SET	Φ 10	0.1	0.06386	80	5.1088
ladder	BOLT SET	M10-30	1	0.05974	150	8.961
ladder	Washer	M12-40	1	0.06798	84	5.71032
			1	0.008446	234	1.976364
						740.09 Kg



NOTE:
1. ALL BOLT SET IN PL. SAFELY GAGE PART NUMBER
2. ALL BOLT SET FOR LEGS ARE M2.40

INSTALL BOTTOM PART OF LADDERS

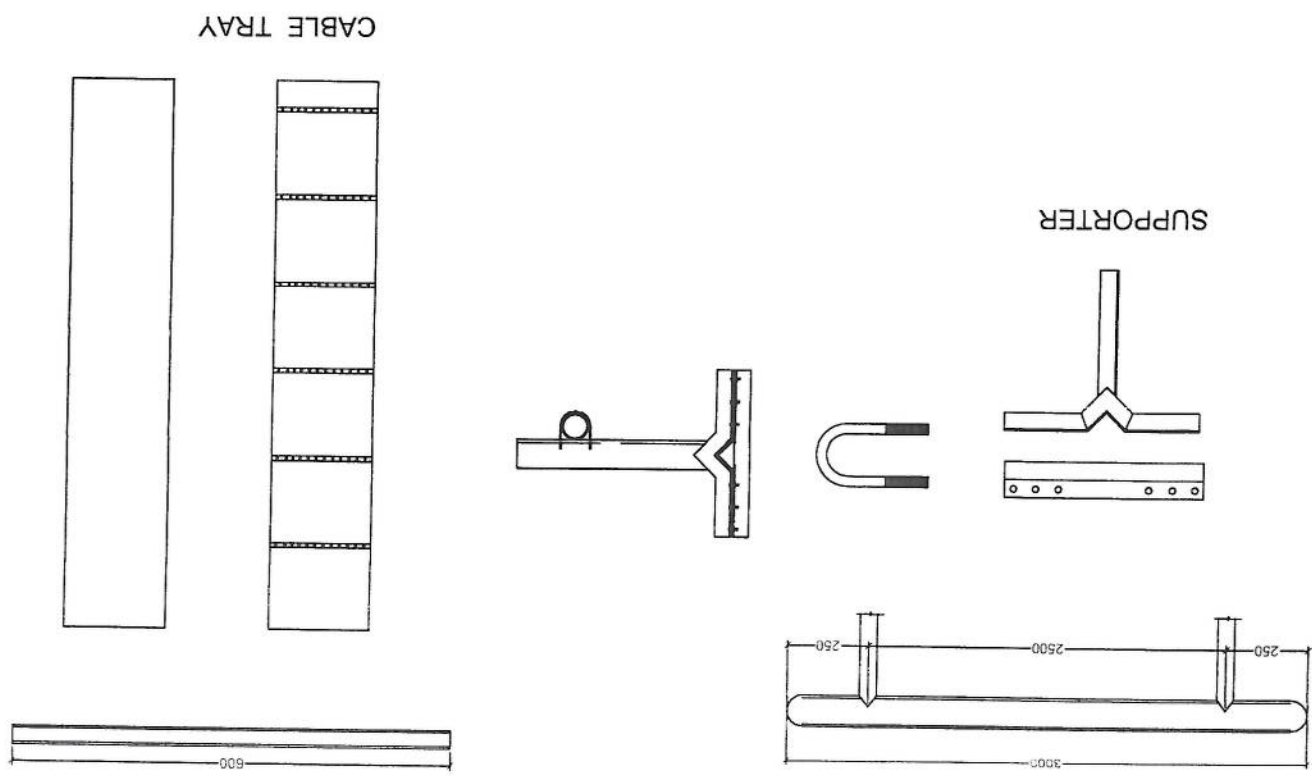


A B C D E F G

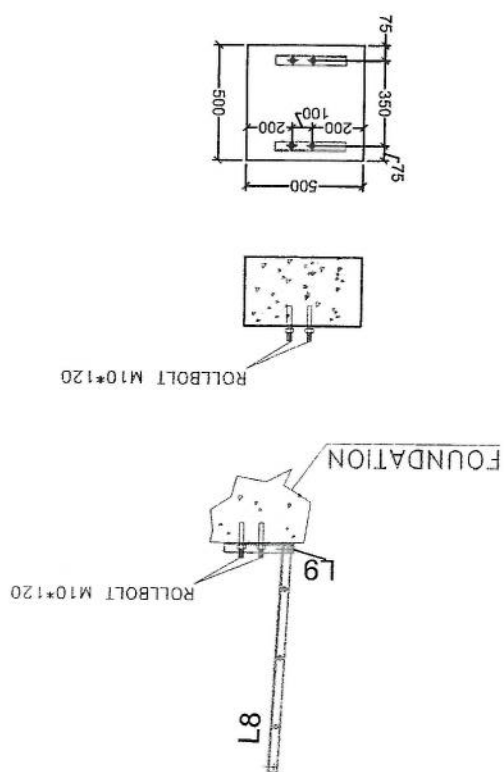
SCALE: 1:1		DATE: 20/01/20	
REV: 0		SH. / TOTAL	
DESIGN STAGE: DETAIL DESIGN			
FORMAT: A1			
DRAKASAZAN DWG NO:			
DRAKASAZAN KALAN CO.			
DESIGN AND MANUFACTURER			
CONTRACTOR			
SUTAN MYSOOM			
FOR TOWER TYPE 40-160-EPA10(AK1-40m)			
PANEL 4			
APPROVAL DRAWING			
AFGHAN TELECOM			
CLIENT:			
REV: 2			
DESCRIPTION			
DESIGN			
CHECK			
APPR			
DATE			

SUTAN MYSOOM
ENGINEERING SERVICES

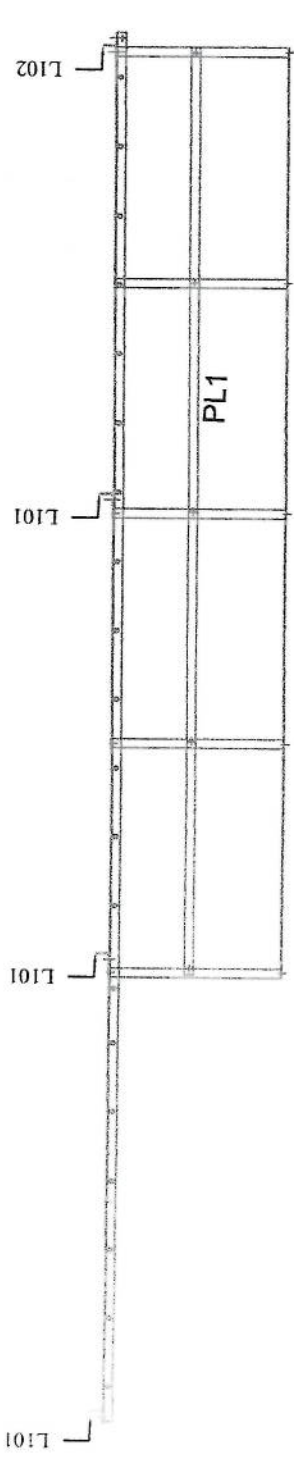
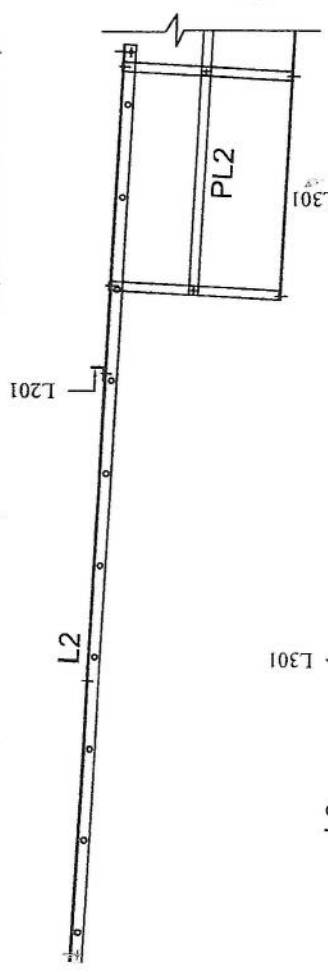
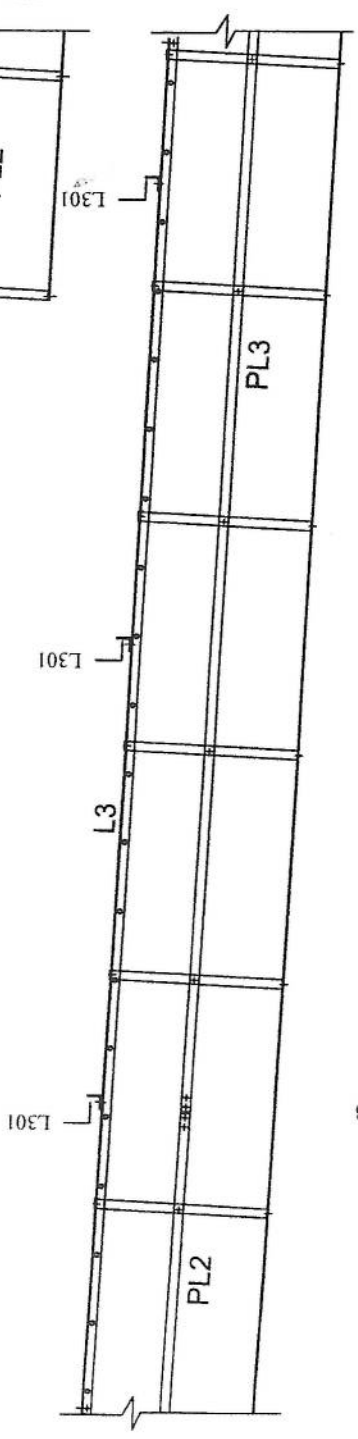
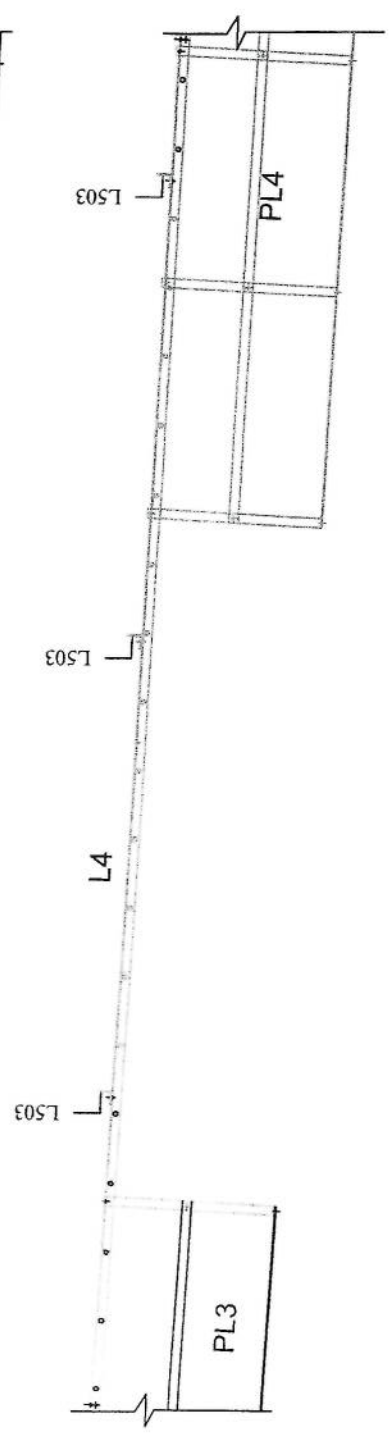
Sr.No	Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
1	SUPPORT		(60X3)MM PIPE	3	13.0398	3	39.1194
2	SUPPORT		(60X3)MM PIPE	2	2.60796	2	5.21592
3	ANGLE	SL 1	L60X6	3	3.31866	3	9.95598
4	ANGLE	ANG	L60X6	20	2.488995	20	49.7799
5	ANGLE	ANG	L60X6	5	2.76555	5	13.82775
6	PIPE	PIPE	(27X2.6)MM PIPE	5	3.98816	5	19.9408
7	ANGLE	ANGLE	L60X6	5	2.76555	5	13.82775
8	U BOLT	U B	ROD 12	0.3	0.27501	35	9.62535
TOTAL WEIGHT							161.29 Kg



CONTRACT NO. _____
FOR _____
TITLE: _____
SERVICES _____



A B C D E F G

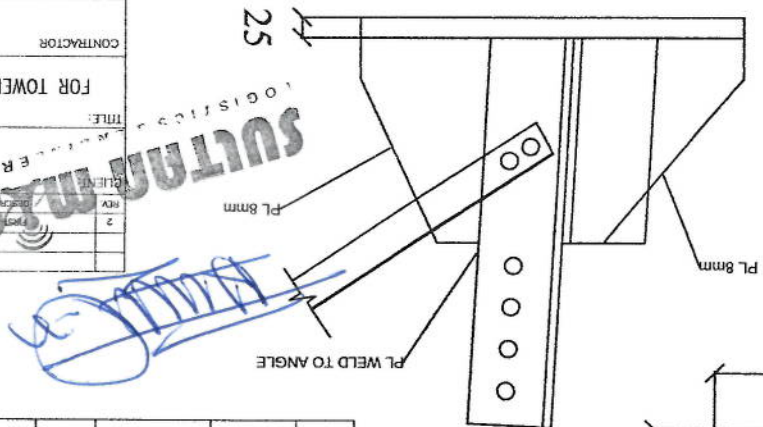


SUTAN MYSOOM
LOGISTICS & ENGINEERING SERVICES

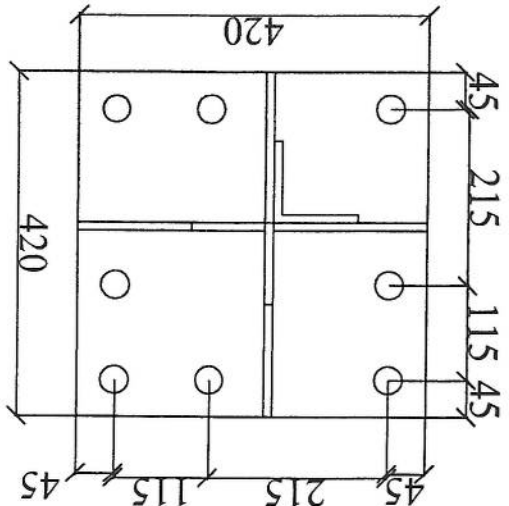
SCALE:		DAKATSAZAN DWG NO.	
FORMAT: A1		DESIGN STAGE: DETAIL DESIGN	
DESIGN AND MANUFACTURER:		DAKATSAZAN CO.	
CONTRACTOR:		SUTAN MYSOOM	
TITLE:		FOR TOWER TYPE 40-160-EPA10(AK1-40m)	
CLIENT:		AFGHAN TELECOM	
APPROVAL DRAWING:		PANEL 4	
REV:		2	
DESCRIPTION:		A. OH	
CHECK:		A. OH	
APPROVE:		A. OH	
DATE:		04/11/20	

SCALE: 1 OF: 20		REV: 0	
DAKATSAZAN DWG NO:		DESIGN STAGE: DETAIL DESIGN	
FORMAT: A1		KALAN CO.	
DESIGN AND MANUFACTURER		DAKATSAZAN	
CONTRACTOR		SUTAN MYROOM	
FOR TOWER TYPE 40-160-EPA10(AK1-40m)		PANEL 4	
APPROVAL DRAWING		TIME:	
AFGHAN TELECOM		ENGINEERING	
REVISION		DATE	
1		01/05/08	
2		01/05/08	

BASE PLATE SIDE VIEW

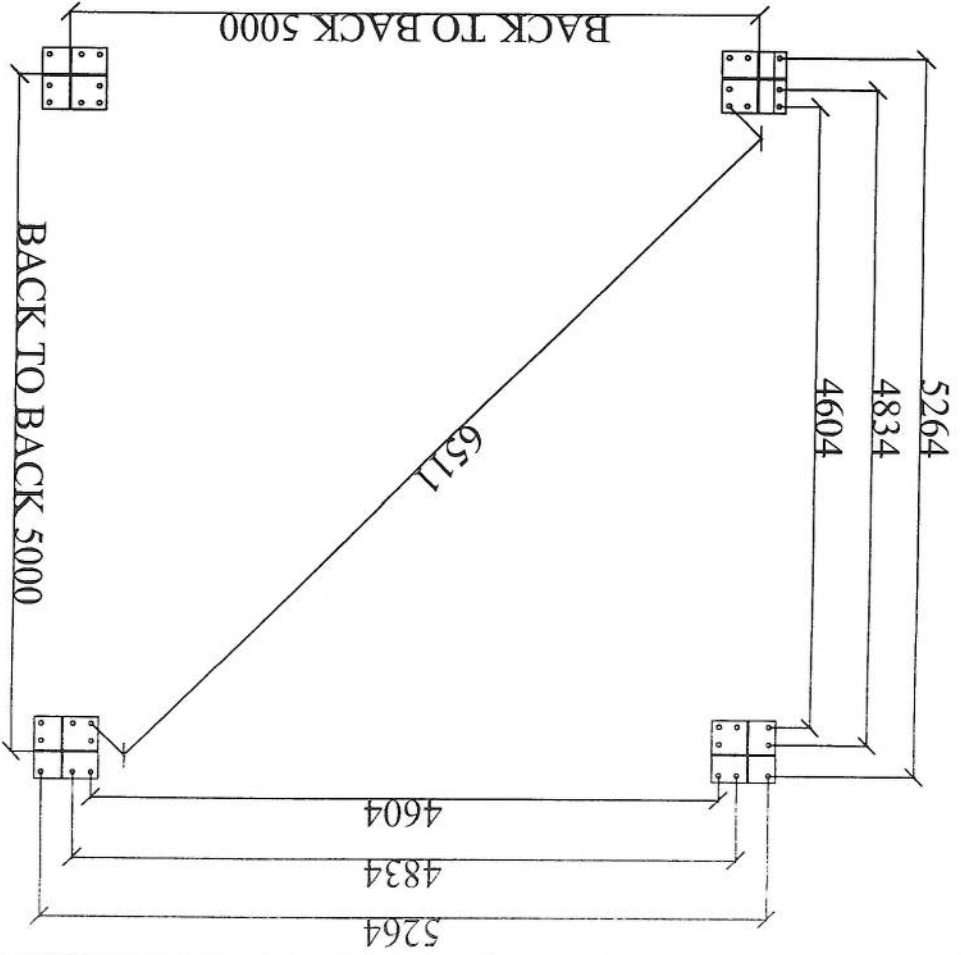


BASE PLATE

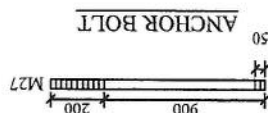
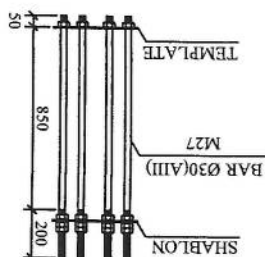


Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BASE	BS	PL 420X420X25	1	35.6586	4	142.6344
BASE	STF	PL 250*189*8	1	3.0591	2	6.1182
BASE	STF	PL 250*130*8	1	2.1012	2	4.2024
BASE	ANGLE	L100X10	0.5	7.6838	4	30.7352
BASE	ANGLE	L100X10	0.25	3.8419	4	15.3676
BASE	ANCHOR B	Ø 30	1.1	6.28815	32	201.2208
BASE	TEMP/PLATE	PL 40X40X5	1	6.4684	4	25.8736
BASE	NUT/30		1	0.309	128	39.552
BASE	Cable Tray	GI SHEET 1.8 mm	1	58.71	1	58.71
Total weight						524.41KG

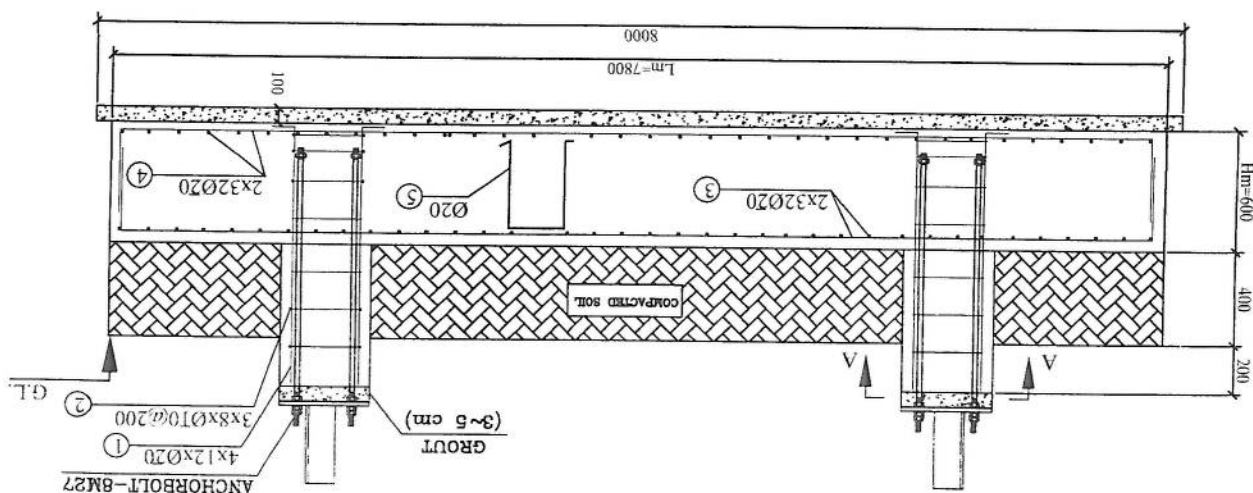
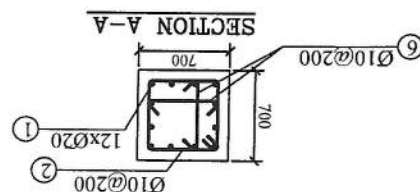
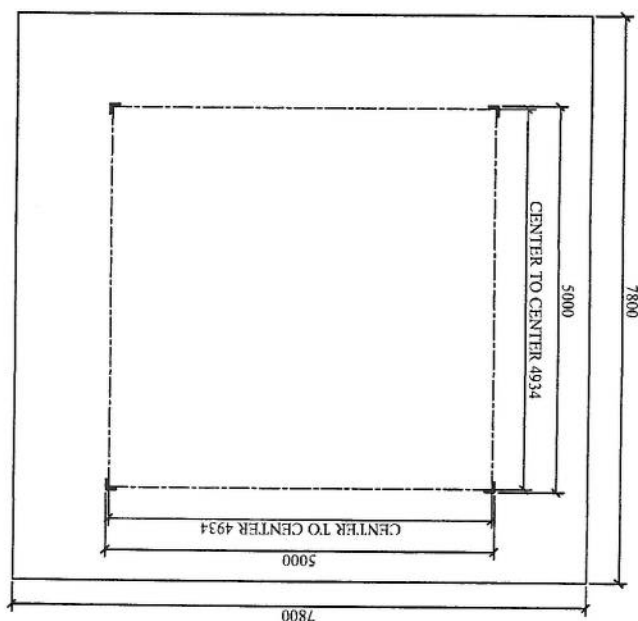
SECTION OF BASE PLATE



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FOUNDATION PLAN

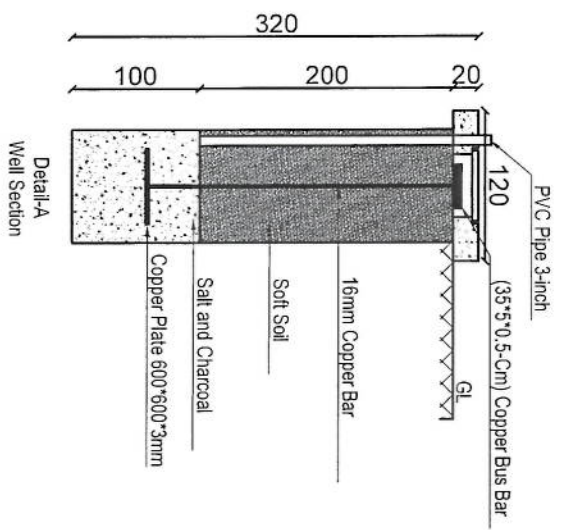
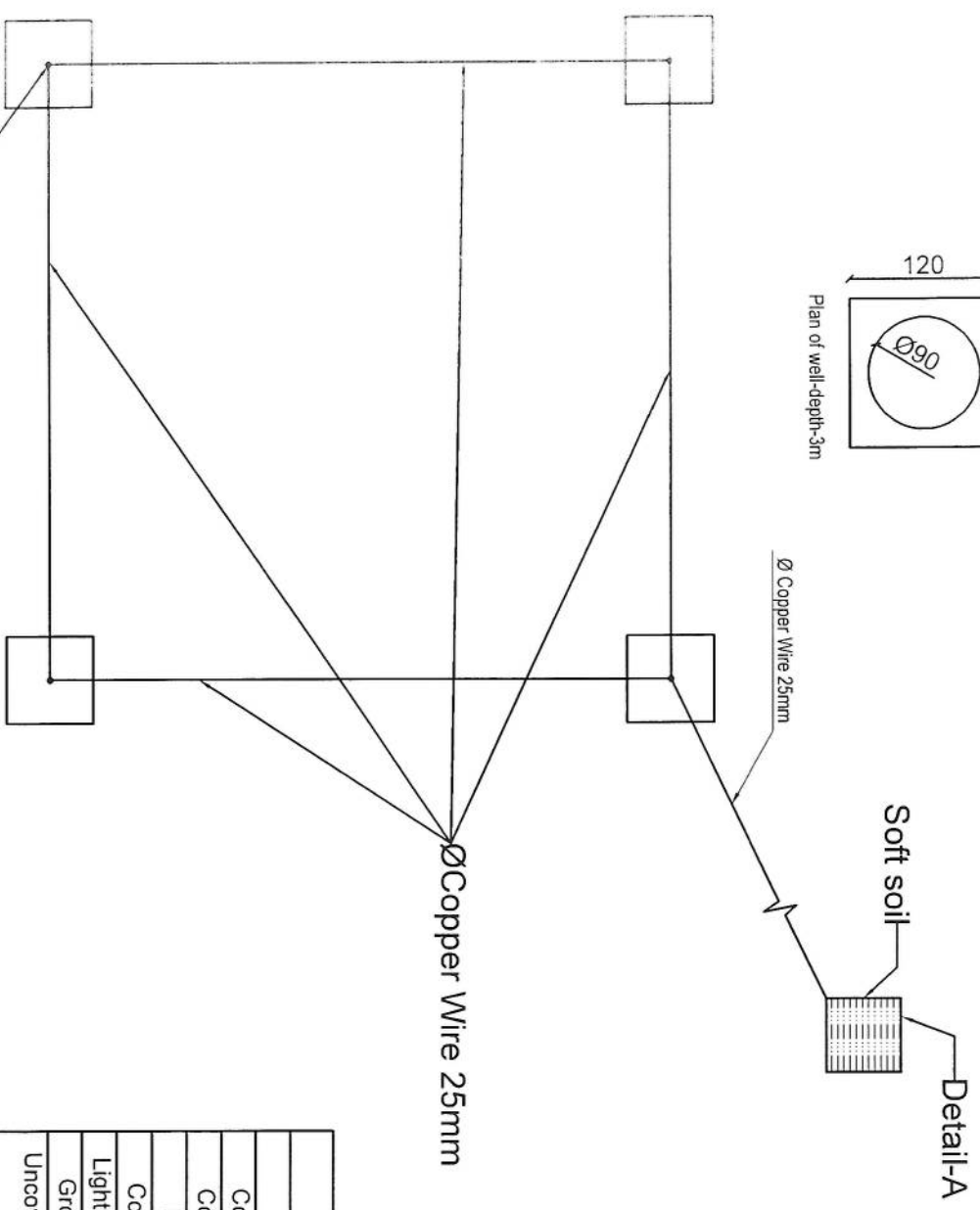
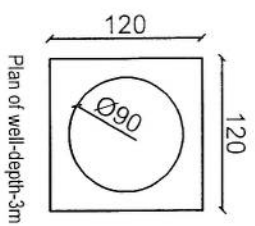


SOIL CHARACTERISTICS: ALLOWABLE BEARING=1.0-2.0 KG/CM2 NORMAL									
BAR BENDING SCHEDULE (TYPE AIII - FY=4000KG/CM ²)									
TYPE 7									
POS.	BENDING DIAGRAM	#	NO.	UNIT	UNIT	TOTAL	UNIT	TOTAL	UNIT
	mm	mm	mm	mm	mm	mm	mm	mm	mm
1	105	20	12.4	1.35	64.8	2.47	160		
2	L=240 550	10	6.4	2.40	57.6	0.617	36		
3	765	20	32.2	8.25	528	2.47	1304		
4	765	20	32.2	8.25	528	2.47	1304		
5	45 30 45	20	58	1.80	104.4	2.47	258		
6	10 66 10	10	48	0.75	36	0.617	22		
CON. VOL.=37.7m ³ TOTAL WEIGHT (kg) : 3084									

NOTE:

- 1- ALL DIMENSION ARE IN MM.
- EXCEPTION AS NOTED.
- 2- $f'_{ci} = 210 \text{ Kg/Cm}^2$ AFTER 28 DAYS ON CYLINDER SPEC.
- 3- GRADE OF BARS:
 - ALL FOR $D > 12 \text{ mm}$
 - 4- COVER ON BARS IS 75 mm .
 - 5- THICKNESS OF LEAN CONCRETE 10 cm .

گت ۴۰ برای سازه
سیم ۱۶ میلی



Item List		
Item	Quantity	Dimension
Copper Rod	4	1m*Ø16mm
Copper Rod	1	2m*Ø16mm
Bus Bar	5	35cm*5cm*5mm
Copper Plate	1	60cm*60cm*3mm
Lightning Arrestor	1	1m
Ground Cable	60m	25mm
Uncovered Ground Cable	32m	25mm
Tower Light with photo cell	1	48V DC
Power Cable	50m	2*2mm

[Handwritten signature]

REVISION RECORDS	
REVISION NO	DATE
1	10/05/2025

LEGEND:

PROJECT TITLE / NO.:
GSM SITES
طرح سازه های GSM

DRAWING TITLE:
40m Tower Grounding System
سیستم ارتداد سازه ۴۰ متری

DRAWN BY:
CIVIL TEAM
فرمانده

CHECKED BY:
طرح

APPROVED BY:
مهندس

SCALE: 1:75
ACTUAL DATE: 10/05/2025
ISSUE DATE: DRG.NO: 23