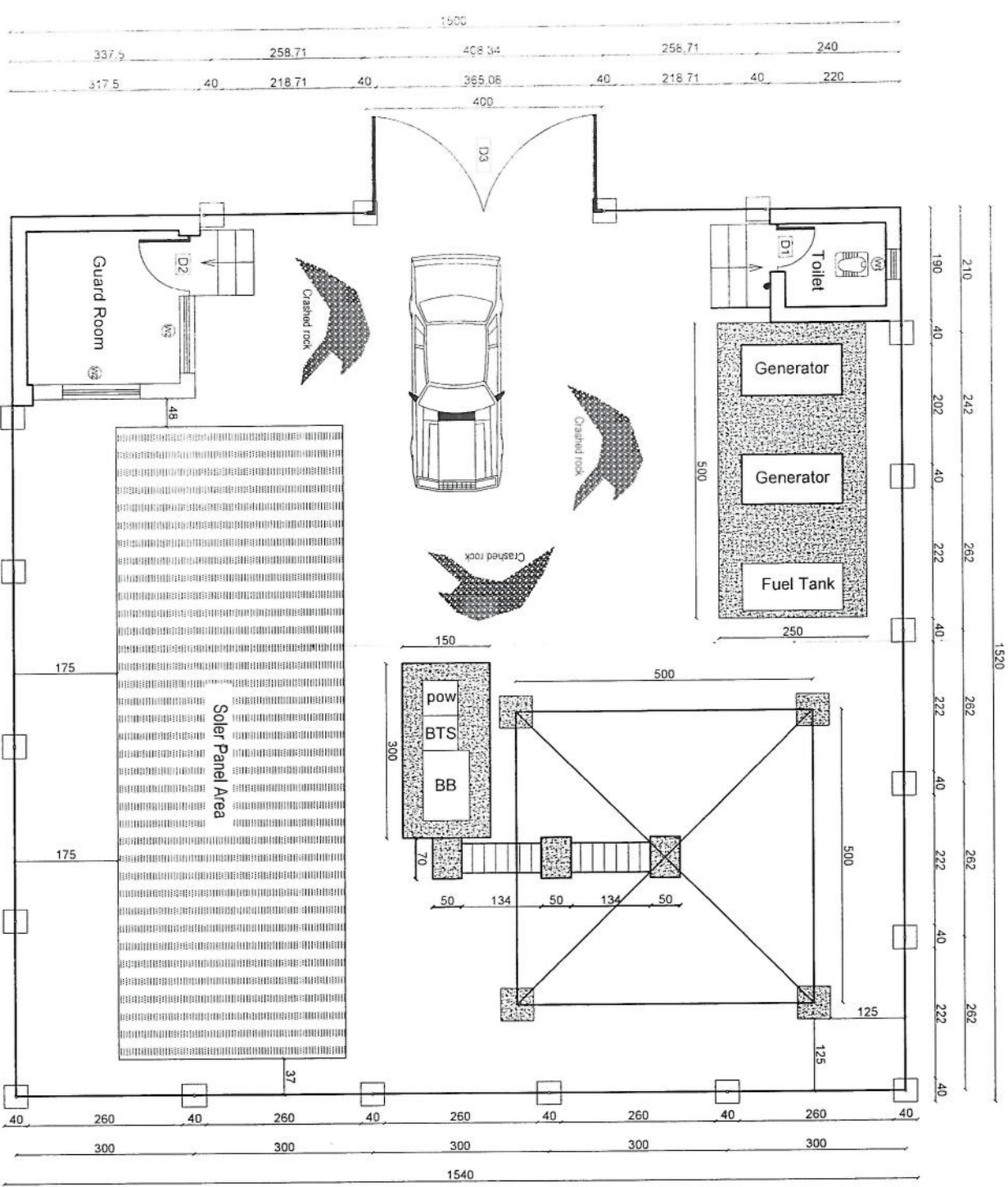


Exposure
 H. A. H.
 2014/04/04

1	Site ID (سایت)	HE1289
2	آدرس شماره	1
3	GPS coordinates	31.584661, 63.939924
4	نام ساحه و منطقه	ستاق بلوچ بازار
5	نام ولسوالی و ولایت مربوطه	مرجه ولسوالی ولایت هلمند
6	(نام ساحه) که قرار است تحت پوشش سایت بیاید	
7	مالکیت زمین (شخصی یا دولتی)	شخصی
8	مالکیت خاندان/خانه قابل دسترسی است	بل
9	شماره تماس مالک یا سکنه خاندان	0702422016 ضابطه حق
10	شخصی/کسانی	شخصی
11	مالک خاندان یا نصب سایت و شرایط افغان تیلی رام راجی است	بل
12	موافقه ابتدای ساحه یا مالک خاندان صورت گرفته؟	بل
13	نوعیت سایت (سرایم یا روی زمین)	روی زمین
14	چگونگی ساحه (شهری، روستایی، دوردست) یا VIP	روستایی
15	سری که واسطه نقلیه تردد بتواند دارد	بل
16	آیا به سری که جهت تردد واسطه ضرورت است	نه خیر
17	چه مقدار سری تردد واسطه ضرورت است (به متر)	
18	در صورتیکه آدرس سایت سرایم تعمیرات باشد	
19	نوعیت تعمیر (مسکونی/تجاری)	
20	تعداد منازل	
21	ارتفاع تعمیر	
22	راه رسیدن به نام (زیر پل، تونل، داخل)	
23	امکان خرابی وسایل سرایم یا افراد و کتله است؟	
24	امکان خرابی وسایل سرایم یا کتله است؟	
25	ظاهر تعمیر قابلیت برداشت سایت را دارد؟	
26	نوعیت سرایم (رنگ، کتله، یا کتله)	
27	مساحت موجود سرایم (طول و عرض)	
28	تور مورد نیاز (کتله، کتله)	
29	ارتفاع تور مورد نیاز	
30	ارتفاع مجموعی تور و تعمیر از سطح زمین منزل	
31	در صورتیکه آدرس سرایم خاندان باشد	

درج معلومات به اساس سرویس

معلومات ابتدایه ضروری سرایم



SCALE: 1:100

REVISION RECORDS			
REVISION NO.	DATE	DESCRIPTION	BY
1	23/02/2023	ISSUE	01

LEGEND:	
(W1)	WINDOWS TYPE 1
(W2)	WINDOWS TYPE 2
(D1)	DOOR TYPE 1
(D2)	DOOR TYPE 2
(D3)	DOOR TYPE 3

PROJECT TITLE / NO.:
GSM SITES

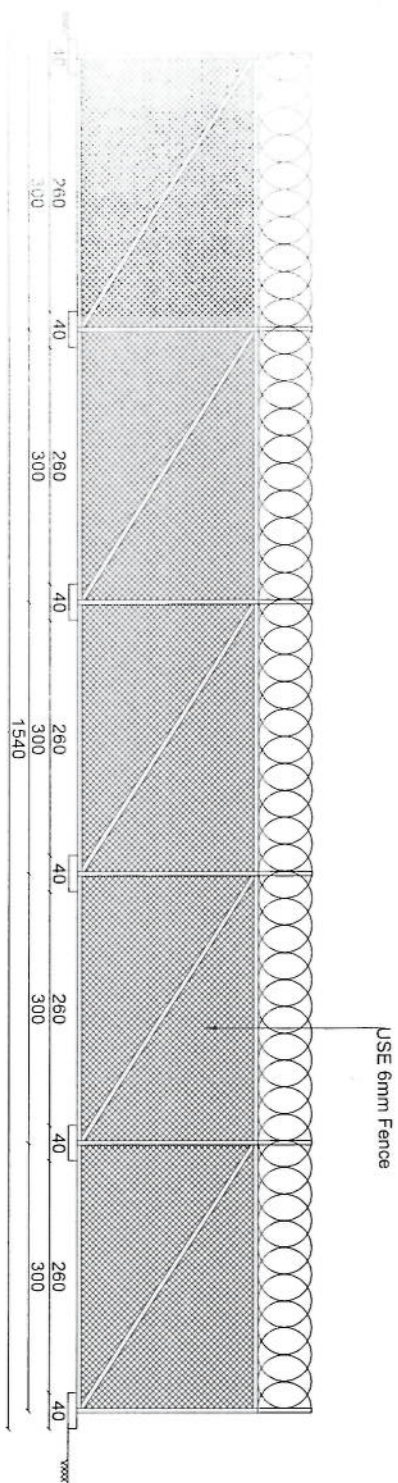
DRAWING TITLE:
SITE PLAN WITH FENCE WALL

DRAWN BY:
CIVIL TEAM

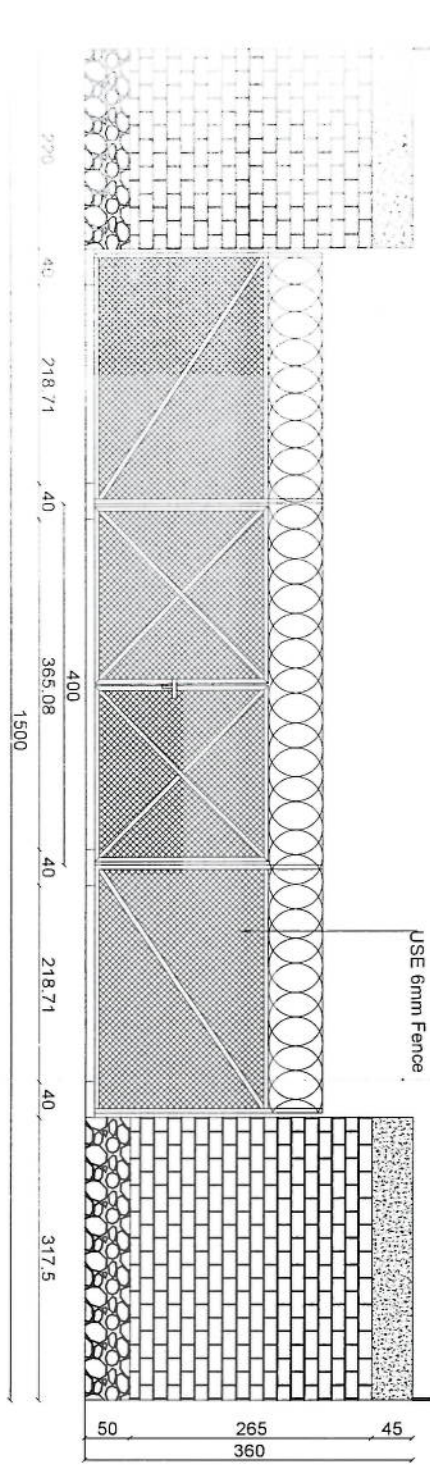
CHECKED BY:

APPROVED BY:

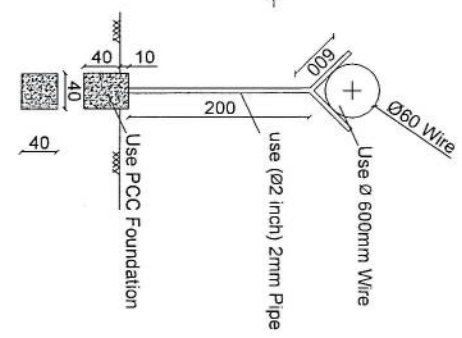
SCALE: 1:100
ACTUAL DATE: 23/02/2023
ISSUE DATE: 01
OWNER: AFGHAN TELECOM
DRAFTER: S. A. A. A.



EAST ELEVATION



WEST ELEVATION



REVISION RECORDS	
NO	DESCRIPTION
1	Issue

LEGEND:	
BRICK FREQD	
STONE MASONRY	
PCC (FASTER)	
6MM FENCE	
USE 6MM FENCE	

PROJECT TITLE / NO:
GSM SITES
سایت های GSM

DRAWING TITLE:
FENCE WALL ELEVATIONS & DETAILS
نمای های دیوار و جزئیات

DRAWN BY:
CIVIL TEAM
چک شده:

CHECKED BY:
چک شده:

APPROVED BY:
مطابق:

SCALE: 1:100
ACTUAL DATE: 23/02/2023
ISSUE DATE: DRG.NO: 02
OWNER: AFGHAN TELECOM
مطابق: افغان تله کام

PCC 5cm	
Isogam	
RCC 12 cm	
Plaster 2 cm	

D2-E



PCC, 10CM —
GRAVEL, 15CM —

Section A

3374

25.6375 130

63/5	W2
257	

Guard Ro...

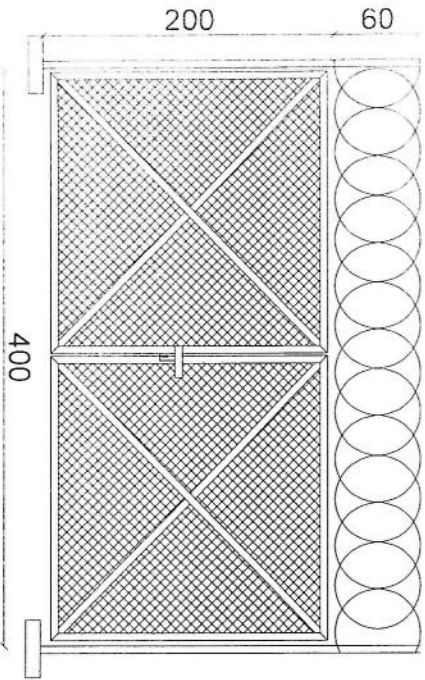
B2

A

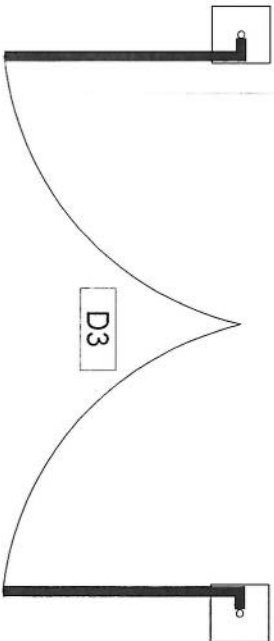
$$\begin{array}{r} 35 \\ \times 292.5 \\ \hline 175 \\ 3150 \\ 6300 \\ 7000 \\ \hline 4175 \end{array}$$

11

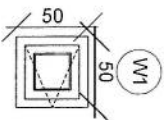
SCAL



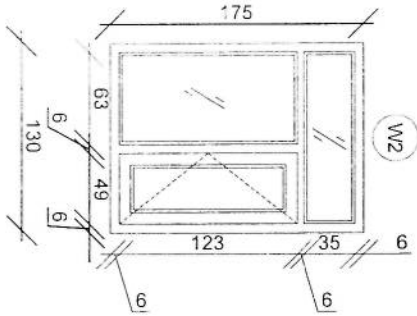
D3



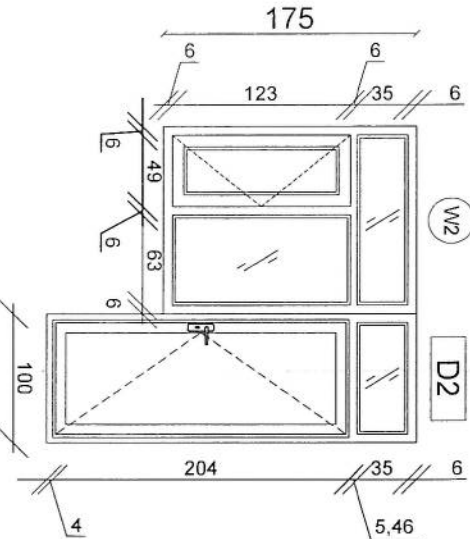
D3



W1

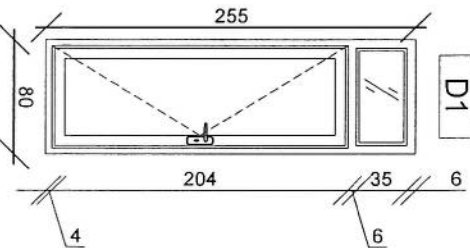


W2



W2

D2



D1

REVISION RECORDS	
REVISION NO	DATE
1	23/02/2025

LEGEND
BRICK PIER

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

PROJECT TITLE / NO:
GSM SITES
طرح (و نه پلان) سايه باني ها

DRAWING TITLE:
DOORS & WINDOWS DETAILS
مخاطبات دروازه و پنجره ها

DRAWN BY:
CIVIL TEAM

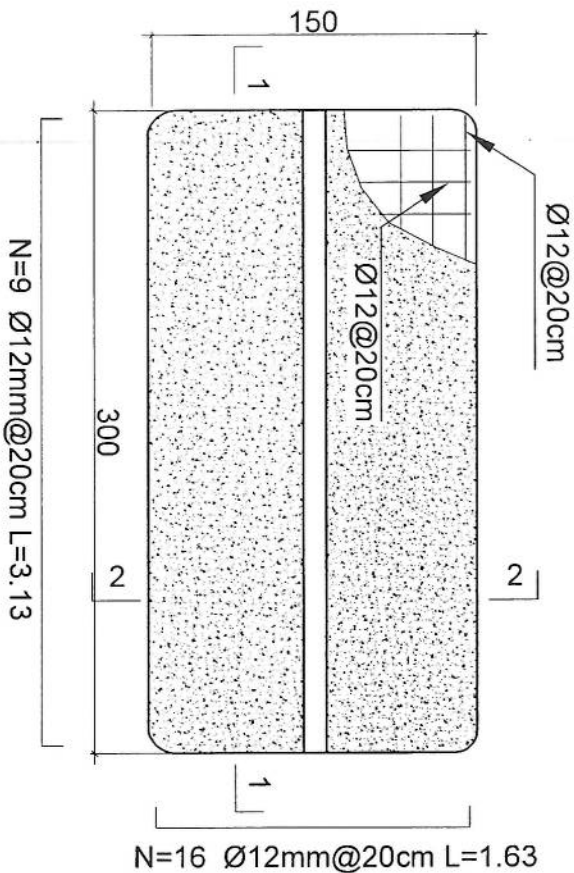
CHECKED BY:

APPROVED BY:

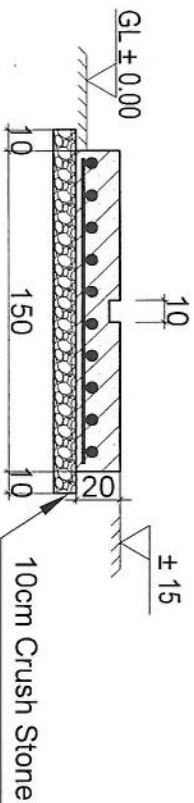
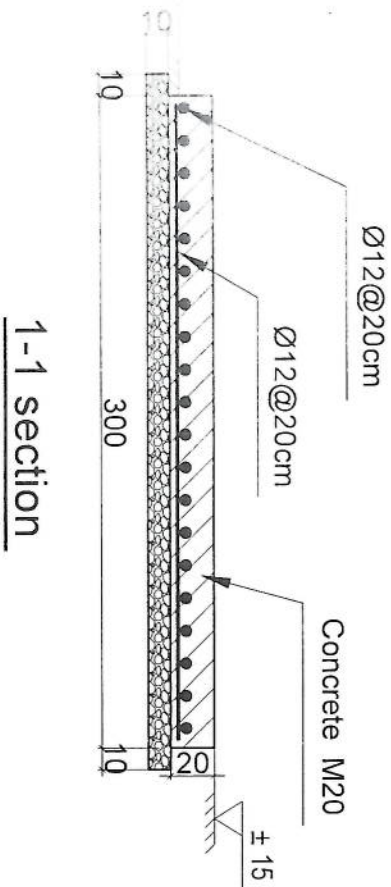
SCALE: 1:50
ACTUAL DATE: 23/02/2025
ISSUE DATE: 23/02/2025
DRG.NO: 05
OWNER: افغان تيليكوم
AFGHAN TELECOM
Salami Telecommunication Company
KABUL
AFGHANISTAN

32	نوع احداث: (ساحه باز یا ساحه محاطه)	باز
33	مساحت موجود (طول و عرض)	۱۵×۱۵
34	مساحت مورد نیاز سایت (طول عرض)	۱۵×۱۵
35	نوعیت احاطه در صورت ضرورت	پیش
36	محل بودیاش گارد در صورت ضرورت	لازم است
37	تاویر (کیبلی روی زمین یا سلف سیورت)	کیبلی روی زمین CRF
38	ارتفاع تاویر مورد نیاز	۳۰
39	امکانات وصل ترانس میشین سایت (TX type)	بلی
40	سایه بان و سلب برای وسایل مخابراتی (BTS and all racks)	لازم است
41	سایه بان و سلب مورد نیاز جنراتور و تانکر	لازم است
42	امکانات نصب سیولر است؟	بلی
43	ساحه کافی برای سول موجود است؟	بلی
44	برق شهری در ساحه وجود دارد؟	بلی
45	فاصله برج برق از ساحه سایت	بلی
46	تیم سروی	
47	نام	مولوی محب الله حقانی
48	دبیر اتمنت	
49	شماره	ولایتی سوپرویزر 748542000
50	سکچ ساحه سایت (ترتیب وضم ریور سروی شود)	
51	عکسهای بانارومیک از ساحه گرفته شود	
52	خط دید وصل مایکروویف با تیم از ساحه باید چک و تایید شود	
53	خدمات سلام در ساحه موجود است؟	
54	کیفیت خدمات سلام در ساحه	
55	نظرات:	

- 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	
NO	DESCRIPTION
1	Issued for construction

LEGEND:

DRILLED ROCK	چاله زده
PCC PLASTER	پسپورته
ROCK	سنگ
GROUND LEVEL	سطح زمین

PROJECT TITLE / NO:

GSM SITES
موقع های GSM

DRAWING TITLE:

ZTE OUTDOOR BTS FOUNDATION
فونداسیون BTS بیرون

DRAWN BY:
CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE: 1:25

ACTION DATE: 23.02.2023
ISSUE DATE: DRG.NO: 06

OWNER: AFGHAN TELECOM

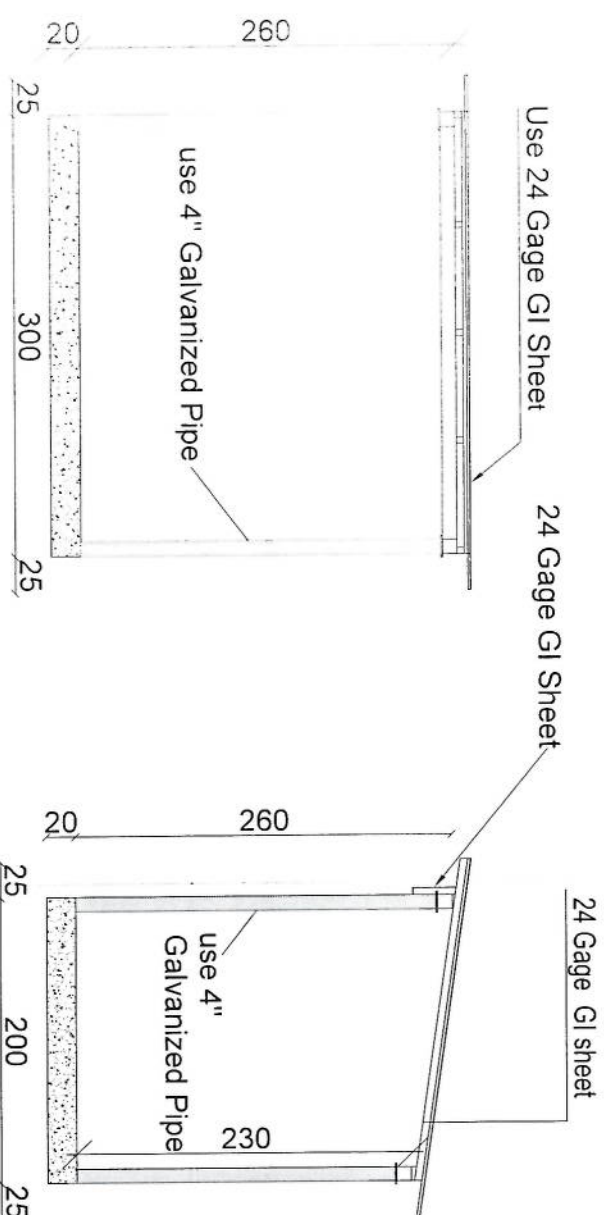
Salam Telecommunication Company
KABUL
AFGHANISTAN

REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION
تغییرات	تاریخ	توضیحات

LEGEND:	مطابق:
	GROUND ROCK
	PCC

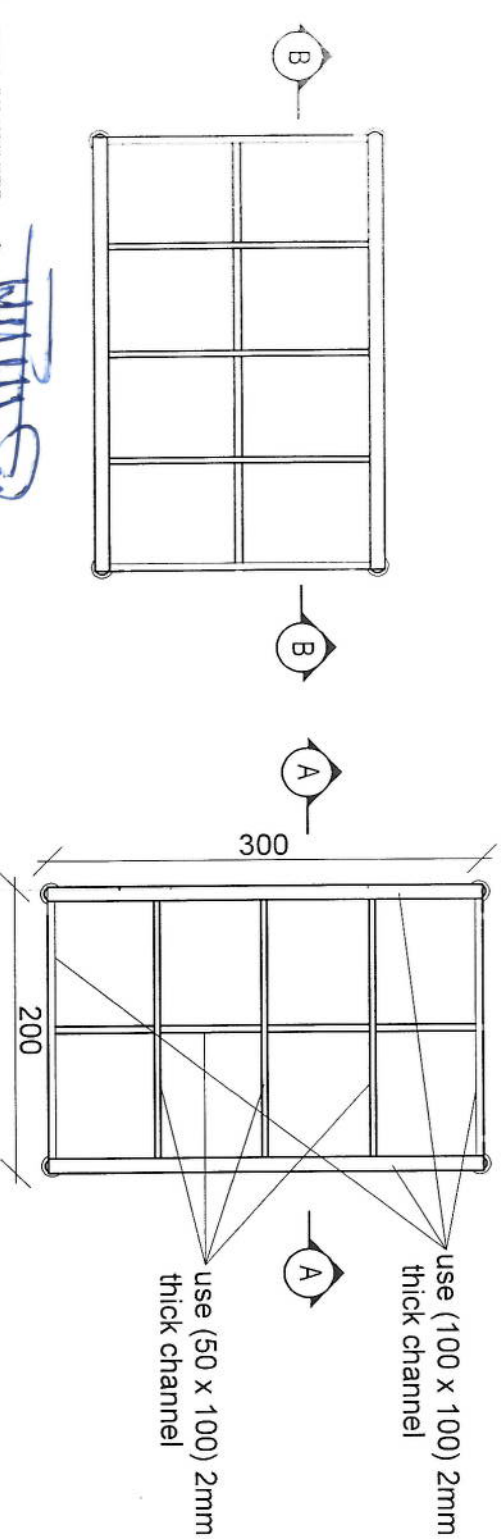
PROJECT TITLE / NO:	GSM SITES
موضوع پروژه / شماره:	مواقع GSM
DRAWING TITLE:	SUN SHELTER FOR ZTE BTS
عنوان نقشه:	سایه بان برای BTS ZTE
DRAWN BY:	CIVIL TEAM
ترسیم کننده:	تیم عمران
CHECKED BY:	
بررسی کننده:	
APPROVED BY:	
تایید کننده:	

SCALE:	1:50
ACTUAL DATE:	23/02/2025
ISSUE DATE:	
OWNER:	AFGHAN TELECOM
مالك:	تلف افغانستان



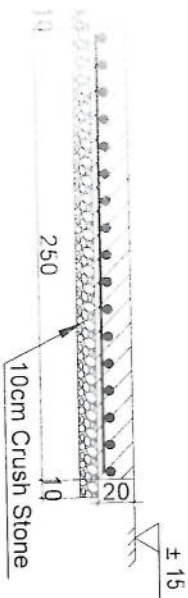
Section BB

Section AA

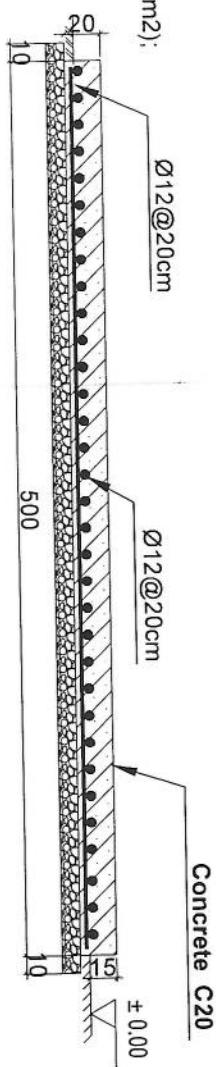


Notes

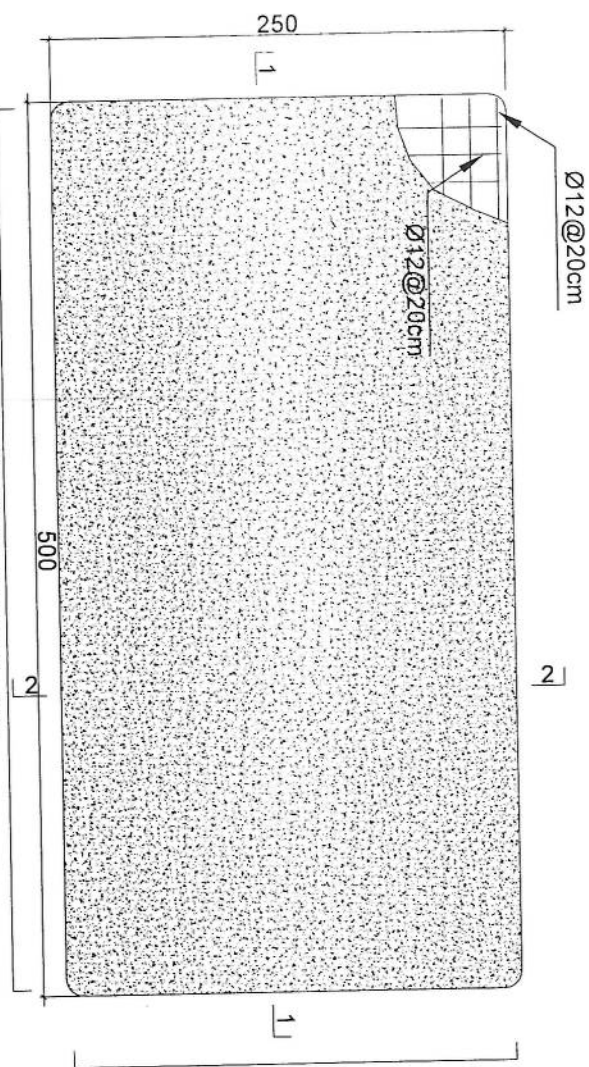
1. The foundation is adopts reinforced concrete, the concrete is C20; (C20:compressive strength is 20N/mm2); the foundation lays on a 10cm thick crush stone pad;
2. $\varnothing 12$ mild steel.rebars strength 210N/mm2
3. minimum concrete cover for rebar is 3.5cm,
4. All units are in cm
5. All edges of the Slab should be curve



2-2 section



1-1 section



N=26 $\varnothing 12\text{mm}@20\text{cm}$ L=2.63

N=14 $\varnothing 12\text{mm}@20\text{cm}$ L=5.13

Generator Foundation

REVISION RECORDS	
REVISION NO	DATE
1	23/02/2025

LEGEND:	DESCRIPTION
CRACKED ROCK	تکه شکسته سنگ
100% RASTER	100% رستر
ROCK	سنگ

± 0.00	GROUND LEVEL
± 15	GROUND LEVEL

PROJECT TITLE / NO:	GSM SITES
DRAWING TITLE:	GENERATOR FOUNDATION

DRAWN BY:	CIVIL TEAM
CHECKED BY:	

APPROVED BY:	
SCALE:	1:25

ACTUAL DATE:	23/02/2025
ISSUE DATE:	23/02/2025

OWNER:	AFGHAN TELECOM
PROJECT:	SAHAMI TELECOMMUNICATION COMPANY

OWNER:	AFGHAN TELECOM
PROJECT:	SAHAMI TELECOMMUNICATION COMPANY

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

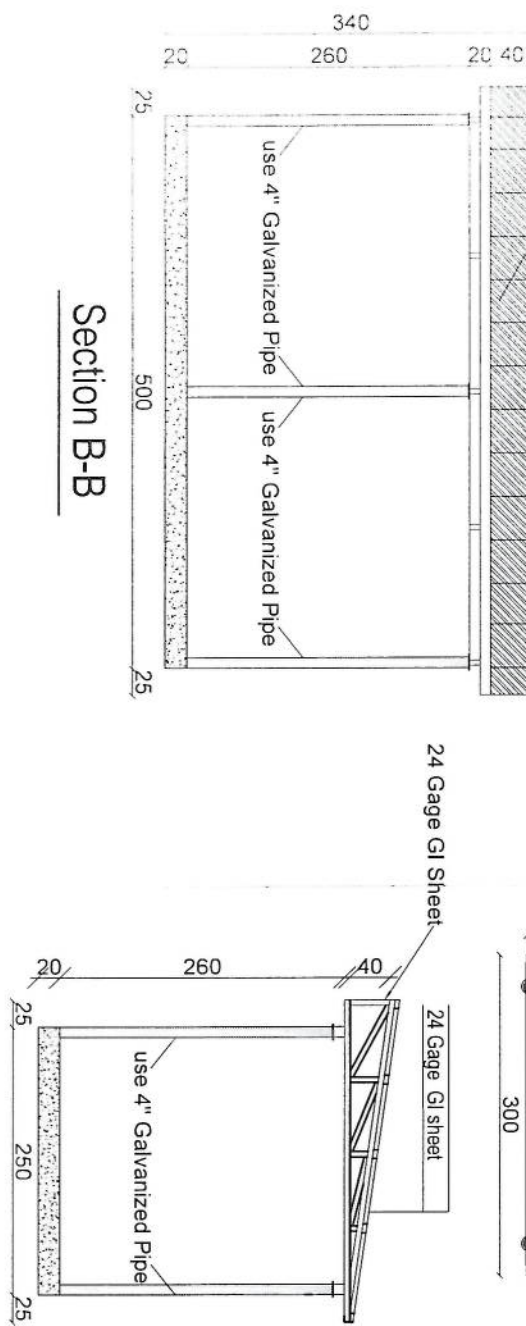
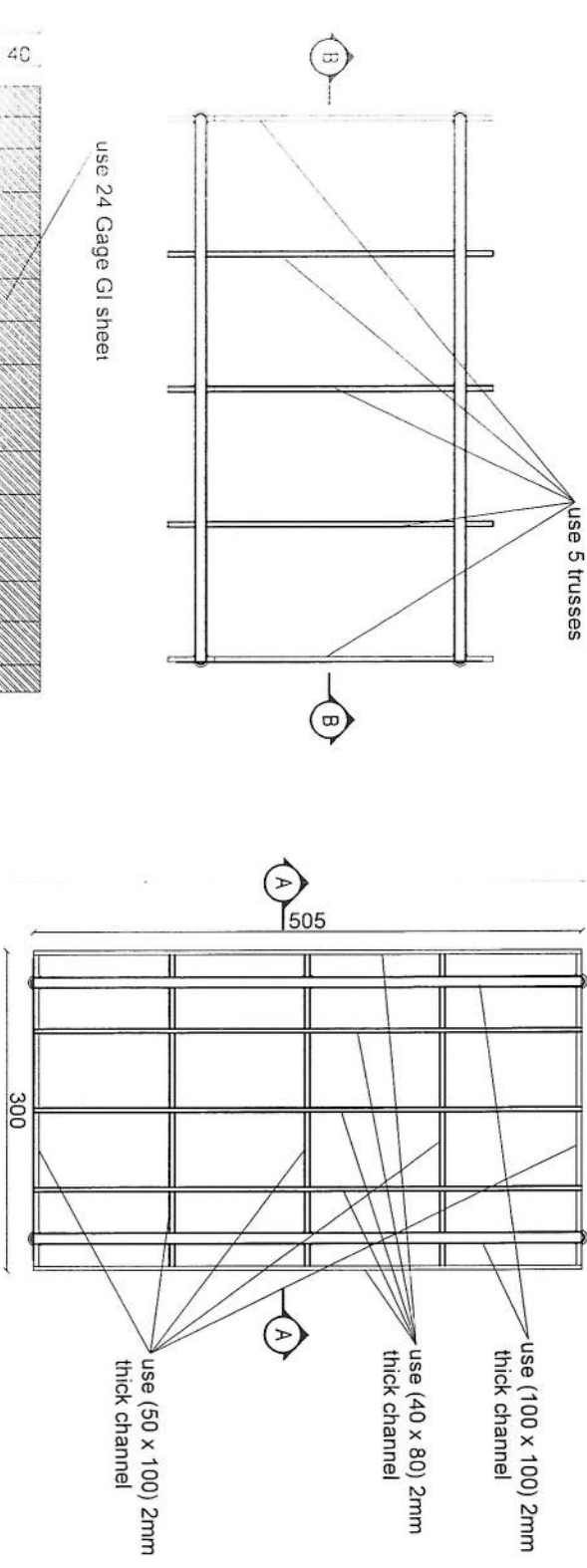
LEGEND:	
CHAINED ROCK	مرد
POC	نقطه کانونی

PROJECT TITLE / NO:	GSM SITES
OWNER:	سازمان مخابرات افغانستان

DRAWING TITLE:	SUN SHELTER FOR GENERATOR
DRAWN BY:	مهندس: سید علی محمد جبار
CHECKED BY:	مهندس: سید علی محمد جبار

APPROVED BY:	مهندس: سید علی محمد جبار
SCALE:	1:75
ACTUAL DATE:	23/02/2025
ISSUE DATE:	23/02/2025
OWNER:	AFGHAN TELECOM

OWNER:	AFGHAN TELECOM
PROJECT TITLE / NO:	GSM SITES
DRAWING TITLE:	SUN SHELTER FOR GENERATOR
DRAWN BY:	مهندس: سید علی محمد جبار
CHECKED BY:	مهندس: سید علی محمد جبار
APPROVED BY:	مهندس: سید علی محمد جبار
SCALE:	1:75
ACTUAL DATE:	23/02/2025
ISSUE DATE:	23/02/2025
OWNER:	AFGHAN TELECOM



Section AA

Section B-B

SUN SHELTER FOR GENERATOR

SCALE: 1:75

OWNER:	AFGHAN TELECOM
PROJECT TITLE / NO:	GSM SITES
DRAWING TITLE:	SUN SHELTER FOR GENERATOR
DRAWN BY:	مهندس: سید علی محمد جبار
CHECKED BY:	مهندس: سید علی محمد جبار
APPROVED BY:	مهندس: سید علی محمد جبار
SCALE:	1:75
ACTUAL DATE:	23/02/2025
ISSUE DATE:	23/02/2025
OWNER:	AFGHAN TELECOM

G

F

E

D

C

B

A



Handwritten signature in blue ink.

TOWER TYPE "AK1"

LATTICE Tower:40m

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

LATTICE Tower:40m

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

APPROVAL DRAWING

TOWER TYPE "AK1"

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
SUPPORTER		161.29 kg
BASE		524.41 kg
TOTAL		8006.20 kg



Omid Pishgam Engineering Co.

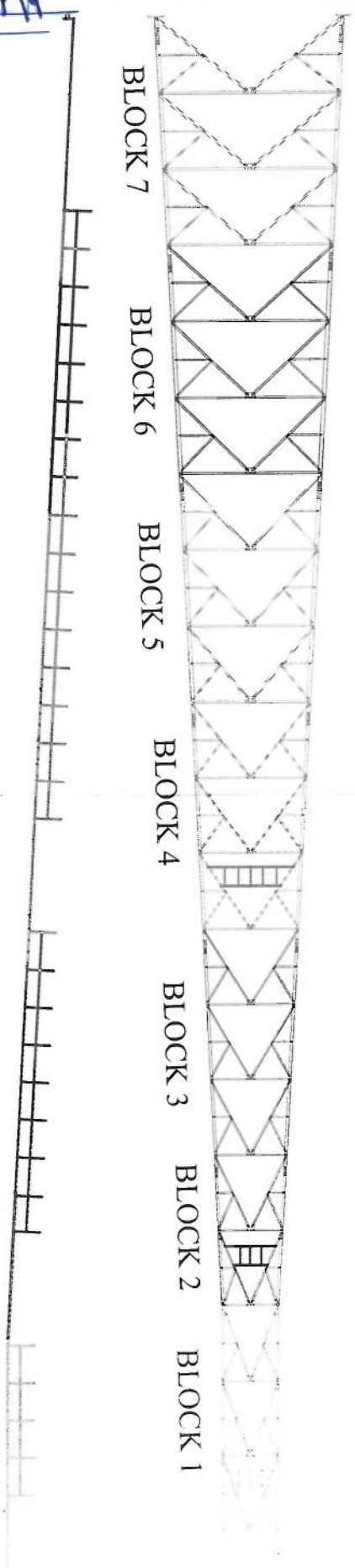


SULTAN MAYSOM
ENGINEERING & LOGISTICS SERVICES



[Handwritten signature]

40M TOWER VIEW



RED	WHITE	RED	WHITE	RED
-----	-------	-----	-------	-----

[illegible]

DATE: 10/10/10
DRAWN: [Signature]
CHECKED: [Signature]
DESIGNED: [Signature]
APPROVED: [Signature]

FOR TOWER TYPE 40-160-EPA10(AK1-40m)
APPROVAL DRAWING
PANEL 4

AFGHAN TELECOM

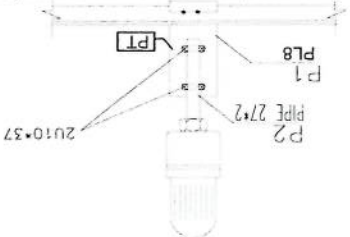
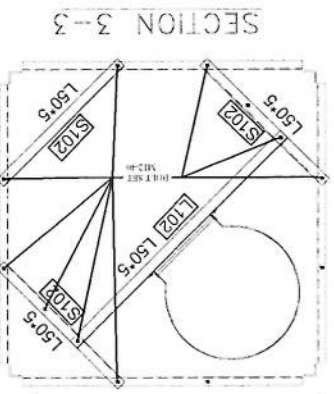
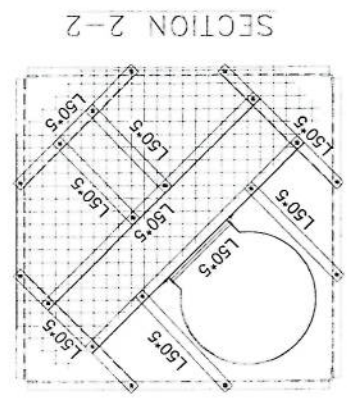
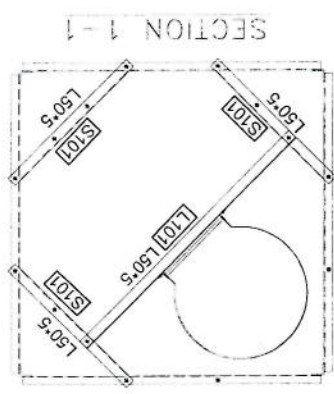
DESIGN AND MANUFACTURE

BAKATSAVAN
KALAN CO.

SK

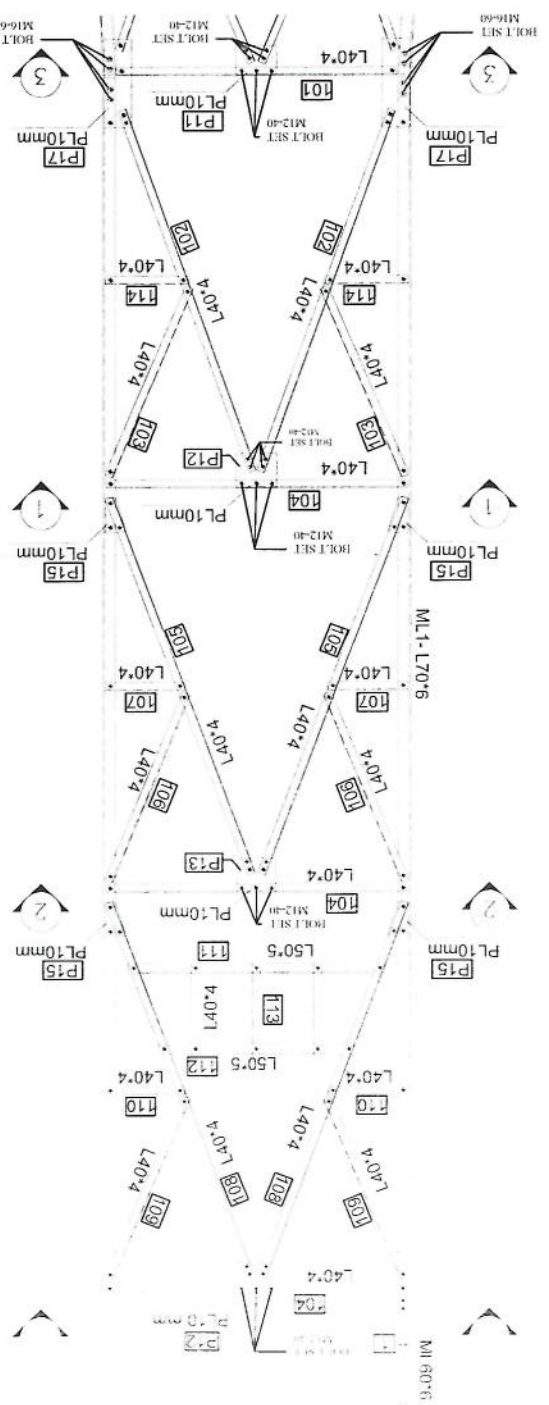
PROFILES GRADE LEGEND

1-L=ST137
2-ML=ST50
3-HT=ST52
4-ALL JOINT PLATES ARE ST52



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

ITEM	DESCRIPTION	QTY	UNIT	WEIGHT (KG)	TOTAL WEIGHT (KG)
1	WASHER	1		0.008446	442
2	BOLT SET	1		0.16274	32
3	BOLT SET	1		0.06798	410
4	C10x30	1		0.206	2
5	L60x56	1		0.206	2
6	P1	1		3.8831	1
7	P18	1		1.2463	8
8	P17	1		2.987	8
9	P15	1		1.6583	16
10	P11	1		3.1003	4
11	P13	1		1.9364	4
12	P12	1		1.9364	8
13	L102	1		5.6609131	1
14	L80x5	1		1.465	3
15	S105	1		0.569	2
16	S104	1		0.509	2
17	S103	1		0.509	2
18	S102	1		0.509	2
19	S101	1		0.509	2
20	Washer	1		0.008446	442
21	Bolt Set	1		0.16274	32
22	C10x30	1		0.206	2
23	L60x56	1		0.206	2
24	P1	1		3.8831	1
25	P18	1		1.2463	8
26	P17	1		2.987	8
27	P15	1		1.6583	16
28	P11	1		3.1003	4
29	P13	1		1.9364	4
30	P12	1		1.9364	8
31	L102	1		5.6609131	1
32	L80x5	1		1.465	3
33	S105	1		0.569	2
34	S104	1		0.509	2
35	S103	1		0.509	2
36	S102	1		0.509	2
37	S101	1		0.509	2
38	Washer	1		0.008446	442
39	Bolt Set	1		0.16274	32
40	C10x30	1		0.206	2
41	L60x56	1		0.206	2
42	P1	1		3.8831	1
43	P18	1		1.2463	8
44	P17	1		2.987	8
45	P15	1		1.6583	16
46	P11	1		3.1003	4
47	P13	1		1.9364	4
48	P12	1		1.9364	8
49	L102	1		5.6609131	1
50	L80x5	1		1.465	3
51	S105	1		0.569	2
52	S104	1		0.509	2
53	S103	1		0.509	2
54	S102	1		0.509	2
55	S101	1		0.509	2
56	Washer	1		0.008446	442
57	Bolt Set	1		0.16274	32
58	C10x30	1		0.206	2
59	L60x56	1		0.206	2
60	P1	1		3.8831	1
61	P18	1		1.2463	8
62	P17	1		2.987	8
63	P15	1		1.6583	16
64	P11	1		3.1003	4
65	P13	1		1.9364	4
66	P12	1		1.9364	8
67	L102	1		5.6609131	1
68	L80x5	1		1.465	3
69	S105	1		0.569	2
70	S104	1		0.509	2
71	S103	1		0.509	2
72	S102	1		0.509	2
73	S101	1		0.509	2
74	Washer	1		0.008446	442
75	Bolt Set	1		0.16274	32
76	C10x30	1		0.206	2
77	L60x56	1		0.206	2
78	P1	1		3.8831	1
79	P18	1		1.2463	8
80	P17	1		2.987	8
81	P15	1		1.6583	16
82	P11	1		3.1003	4
83	P13	1		1.9364	4
84	P12	1		1.9364	8
85	L102	1		5.6609131	1
86	L80x5	1		1.465	3
87	S105	1		0.569	2
88	S104	1		0.509	2
89	S103	1		0.509	2
90	S102	1		0.509	2
91	S101	1		0.509	2
92	Washer	1		0.008446	442
93	Bolt Set	1		0.16274	32
94	C10x30	1		0.206	2
95	L60x56	1		0.206	2
96	P1	1		3.8831	1
97	P18	1		1.2463	8
98	P17	1		2.987	8
99	P15	1		1.6583	16
100	P11	1		3.1003	4
101	P13	1		1.9364	4
102	P12	1		1.9364	8
103	L102	1		5.6609131	1
104	L80x5	1		1.465	3
105	S105	1		0.569	2
106	S104	1		0.509	2
107	S103	1		0.509	2
108	S102	1		0.509	2
109	S101	1		0.509	2
110	Washer	1		0.008446	442
111	Bolt Set	1		0.16274	32
112	C10x30	1		0.206	2
113	L60x56	1		0.206	2
114	P1	1		3.8831	1
115	P18	1		1.2463	8
116	P17	1		2.987	8
117	P15	1		1.6583	16
118	P11	1		3.1003	4
119	P13	1		1.9364	4
120	P12	1		1.9364	8
121	L102	1		5.6609131	1
122	L80x5	1		1.465	3
123	S105	1		0.569	2
124	S104	1		0.509	2
125	S103	1		0.509	2
126	S102	1		0.509	2
127	S101	1		0.509	2
128	Washer	1		0.008446	442
129	Bolt Set	1		0.16274	32
130	C10x30	1		0.206	2
131	L60x56	1		0.206	2
132	P1	1		3.8831	1
133	P18	1		1.2463	8
134	P17	1		2.987	8
135	P15	1		1.6583	16
136	P11	1		3.1003	4
137	P13	1		1.9364	4
138	P12	1		1.9364	8
139	L102	1		5.6609131	1
140	L80x5	1		1.465	3
141	S105	1		0.569	2
142	S104	1		0.509	2
143	S103	1		0.509	2
144	S102	1		0.509	2
145	S101	1		0.509	2
146	Washer	1		0.008446	442
147	Bolt Set	1		0.16274	32
148	C10x30	1		0.206	2
149	L60x56	1		0.206	2
150	P1	1		3.8831	1
151	P18	1		1.2463	8
152	P17	1		2.987	8
153	P15	1		1.6583	16
154	P11	1		3.1003	4
155	P13	1		1.9364	4
156	P12	1		1.9364	8
157	L102	1		5.6609131	1
158	L80x5	1		1.465	3
159	S105	1		0.569	2
160	S104	1		0.509	2
161	S103	1		0.509	2
162	S102	1		0.509	2
163	S101	1		0.509	2
164	Washer	1		0.008446	442
165	Bolt Set	1		0.16274	32
166	C10x30	1		0.206	2
167	L60x56	1		0.206	2
168	P1	1		3.8831	1
169	P18	1		1.2463	8
170	P17	1		2.987	8
171	P15	1		1.6583	16
172	P11	1		3.1003	4
173	P13	1		1.9364	4
174	P12	1		1.9364	8
175	L102	1		5.6609131	1
176	L80x5	1		1.465	3
177	S105	1		0.569	2
178	S104	1		0.509	2
179	S103	1		0.509	2
180	S102	1		0.509	2
181	S101	1		0.509	2
182	Washer	1		0.008446	442
183	Bolt Set	1		0.16274	32
184	C10x30	1		0.206	2
185	L60x56	1		0.206	2
186	P1	1		3.8831	1
187	P18	1		1.2463	8
188	P17	1		2.987	8
189	P15	1		1.6583	16
190	P11	1		3.1003	4
191	P13	1		1.9364	4
192	P12	1		1.9364	8
193	L102	1		5.6609131	1
194	L80x5	1		1.465	3
195	S105	1		0.569	2
196	S104	1		0.509	2
197	S103	1		0.509	2
198	S102	1		0.509	2
199	S101	1		0.509	2
200	Washer	1		0.008446	442



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1 OF 20

REV. 1

DESIGN AND MANUFACTURE

DAKSAZAN BAKAN CO.

AFGHAN TELECOM

APPROVAL DRAWING

PANEL 4

FOR TOWER TYPE 40-160-EPA10(AK1-40m)

CONSTRUCTION

PROFILES GRADE LEGEND

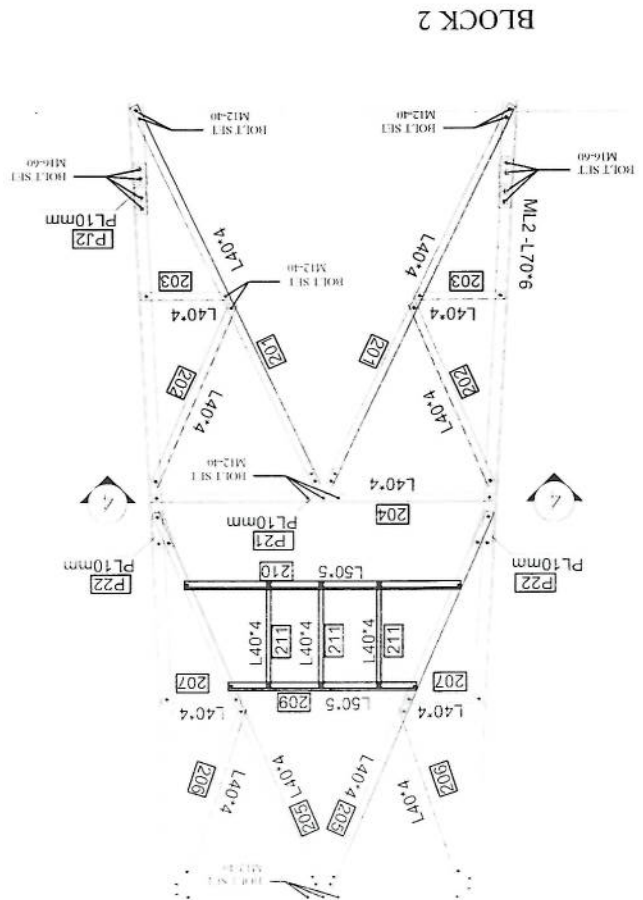
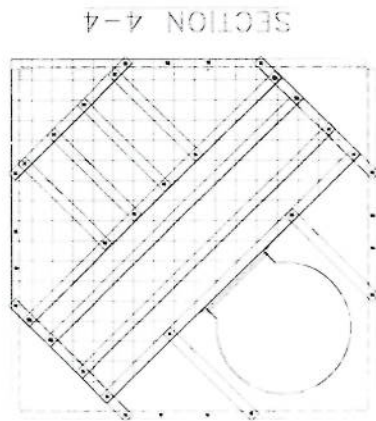
1-L = ST137

2-ML = ST150

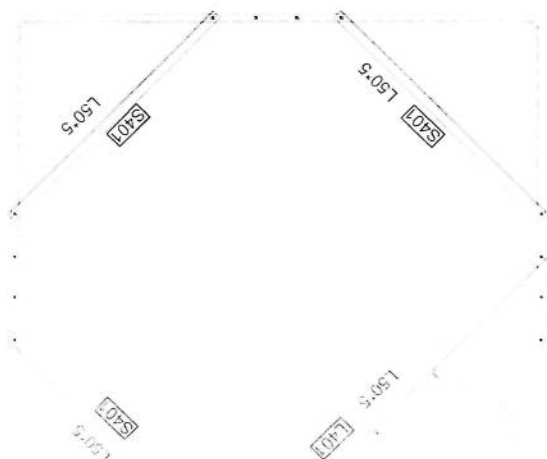
3-HT = ST152

4-ALL JOINT PLATES ARE ST152

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BL2	ML2	L70X6	4.005	26.0296965	4	104.118786
BL2	201	L40X4	2.303	5.6692951	8	45.3543608
BL2	202	L40X4	1.083	2.6660211	8	21.3281688
BL2	203	L40X4	0.425	1.046225	8	8.36978
BL2	204	L40X4	1.69	4.160273	4	16.641092
BL2	205	L40X4	2.32	5.711144	8	45.689152
BL2	206	L40X4	1.115	2.7447955	8	21.958364
BL2	207	L40X4	0.37	0.910829	8	7.28632
BL2	209	L50X5	0.96	3.688224	4	14.752896
BL2	210	L50X5	1.38	5.301822	4	21.207288
BL2	211	L40X4	0.585	1.4400945	12	17.281134
BL2	S201	L50X5	0.877	3.3693463	3	10.1080389
BL2	S202	L50X5	0.519	1.9939461	4	7.9757844
BL2	S203	L50X5	0.579	2.224601	2	4.448202
BL2	L201	L50X5	1.723	6.6195937	1	6.6195937
BL2	L202	L50X5	1.723	6.6195937	3	19.8587811
BL2	Washer	PL100X40X8	1	0.2575	10	2.575
BL2	Bolt Set	M16-60	1	0.16274	32	5.20768
BL2	Bolt Set	M12-40	1	0.06798	304	20.66592
BL2	P21	PL240*160*10	1	3.1003	4	12.4012
BL2	P22	PL119*110*10	1	1.0609	8	8.4872
BL2	PJ2	PL320*60*10	1	1.5553	8	12.4424
BL2	MJ2	L60X6	0.32	1.769922	4	7.079808
BL2	MESH	HEVY MESH	2.5	28.325	1	28.325
BL2	WASHER		1	0.008446	336	2.837856
						473.02 Kg



1. ALL DIMENSIONS ARE IN MILLIMETERS
2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED
3. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED

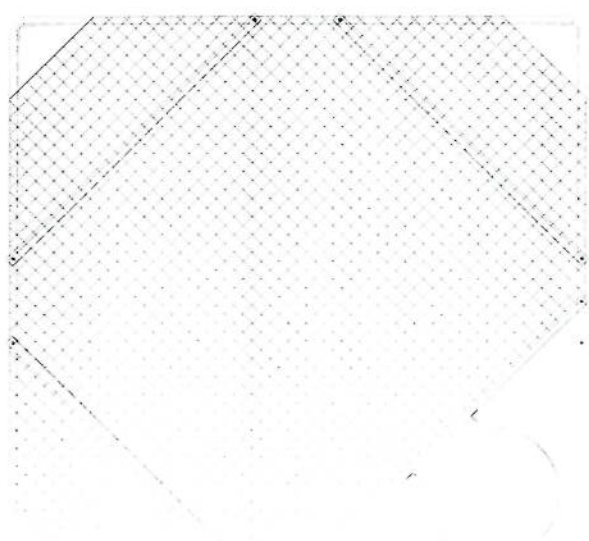


A B C D E F G

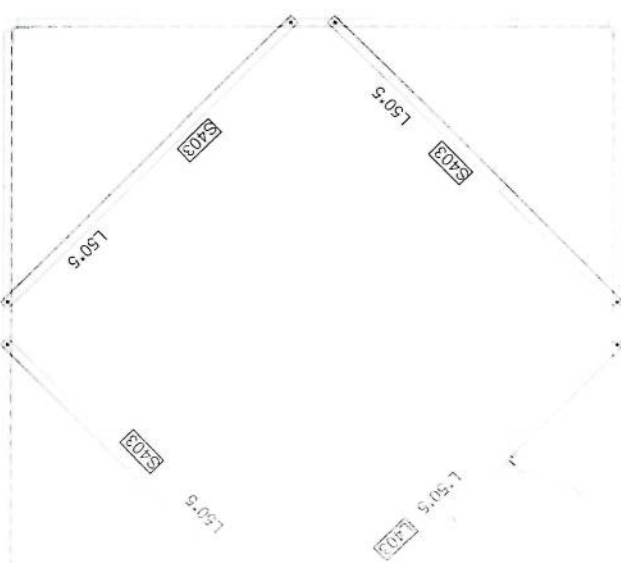
Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
B/L4	ML4	L80X7	6.005	52.017115	4	208.068446
B/L4	401	L40X4	2.955	7.2743235	4	29.097294
B/L4	402	L40X4	2.75	6.769675	4	27.0787
B/L4	403	L40X4	2.534	6.2379478	4	24.9517912
B/L4	404	L40X4	2.444	6.0163948	8	48.1311584
B/L4	405	L40X4	1.185	2.9171145	8	23.336916
B/L4	406	L40X4	0.71	1.747807	8	13.982456
B/L4	407	L40X4	2.38	5.858846	8	46.870768
B/L4	408	L40X4	1.158	2.8506486	8	22.8051888
B/L4	409	L40X4	0.664	1.6345688	8	13.0765504
B/L4	410	L40X4	2.321	5.7136057	8	45.7088456
B/L4	411	L40X4	1.132	2.7866444	8	22.2931552
B/L4	412	L40X4	0.617	1.5188689	8	12.1509512
B/L4	413	L40X4	0.545	1.3416265	20	26.83253
B/L4	414	L50X5	2.293	8.8094767	4	35.2379068
B/L4	415	L50X5	1.59	6.108621	4	24.434484
B/L4	L401	L50X5	1.995	7.6645905	1	7.6645905
B/L4	S401	L50X5	1.519	5.8358461	3	17.5075383
B/L4	S402	L50X5	1.7	6.53123	3	19.59369
B/L4	S403	L50X5	1.986	7.6300134	3	22.8900402
B/L4	L402	L50X5	1.986	7.6300134	1	7.6300134
B/L4	L403	L50X5	1.986	7.6300134	1	7.6300134
B/L4	S4	L50X5	1.387	5.3287153	4	21.3148612
B/L4	S44	L50X5	0.61	2.343559	2	4.687118
B/L4	S41	L50X5	0.62	2.381978	2	4.763956
B/L4	S43	L50X5	0.467	1.7941673	4	7.1766692
B/L4	P41	PL300*200*10	1	4.8513	4	19.4052
B/L4	P42	PL300*200*10	1	4.8513	4	19.4052
B/L4	P43	PL300*200*10	1	4.8513	4	19.4052
B/L4	ML4	L70X6	0.42	2.729706	4	10.918824
B/L4	PJ4	PL420*80*10	1	2.7192	8	21.7536
B/L4	Bolt Set	M16-60	1	0.16274	64	10.41536
B/L4	Bolt Set	M12-40	1	0.06798	372	25.28856
B/L4	Washer	PL100X40X8	1	0.2575	20	5.15
B/L4	MESH	HEVY MESH	5.1	57.783	1	57.783
B/L4	WASHER		1	0.008446	436	3.682456
				TOTAL WEIGHT		938.12 kg

SCALE	1:50
DATE	10/10/20
DESIGNER	SK
CHECKER	SK
APPROVAL	SK
DESIGN AND MANUFACTURE	SK
CONTRACTOR	SK
FOR TOWER TYPE 40-160-EPA10(AK1-40m)	
PANEL 4	
AFGHAN TELECOM	
APPROVAL DRAWING	
DATE	
BY	
CHECK	
APPROVE	
DATE	

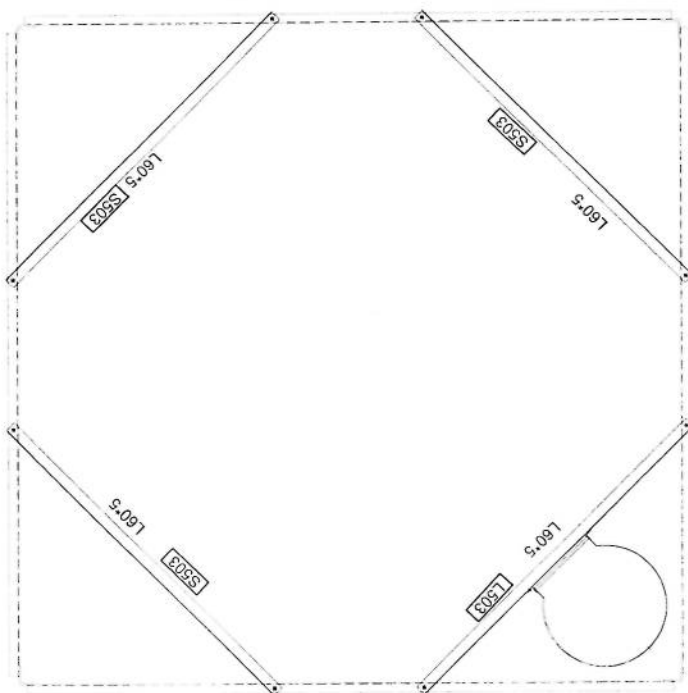
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SECTION 10-10

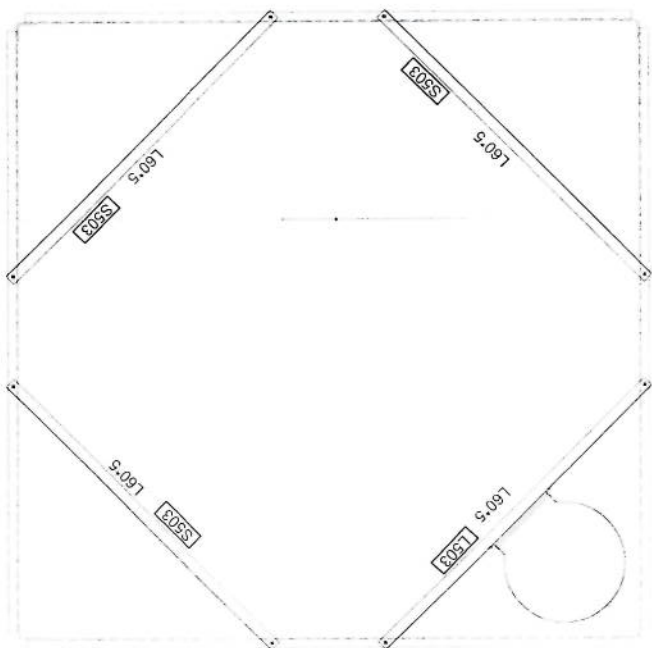


SECTION 13-13



SECTION 11-11. NOICES

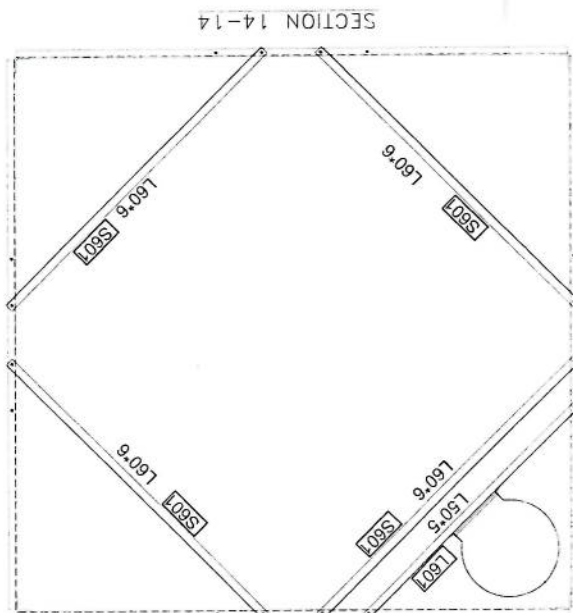
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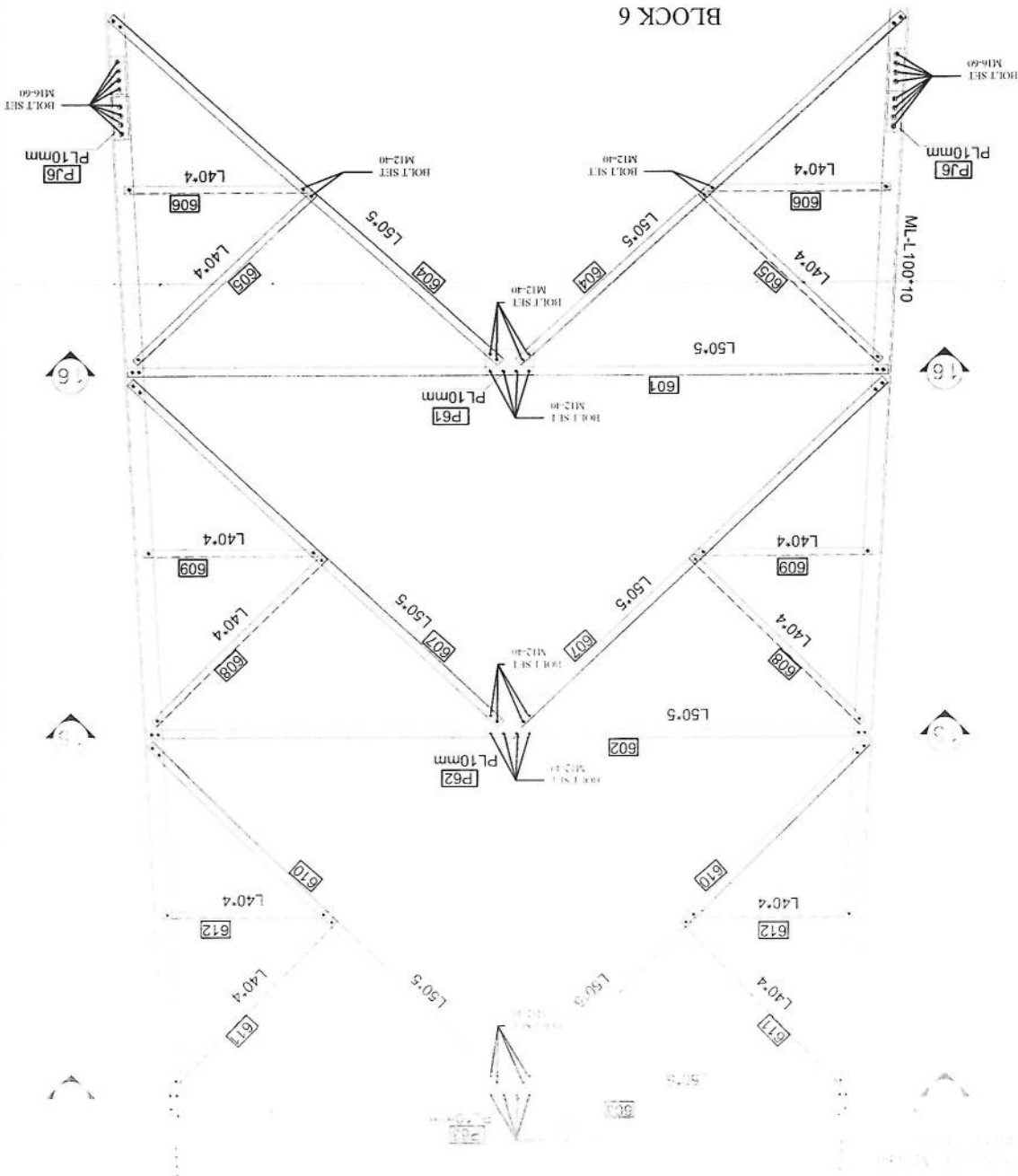
W. Schmidt

SCALE: 1:100		DATE: 01-20	
PROJECT: DAKSAZAN TOWER NO. 1		SHEET: 1/101A	
DESIGN AND MANUFACTURE: DAKSAZAN KALAN CO.		DESIGNER: SK	
APPROVAL DRAWING		FOR TOWER TYPE 40-160-EP10(AK1-40m)	
PANEL 4		SULTAN MANSOUR	
AFGHAN TELECOM		UPLD	
NO.	REVISION	DATE	BY
1	1	01-20	SK

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BLOCK 6



0 10 20

DATE: 10/10/2010

PROJECT: DAKALSTAN

DESIGN AND CONSTRUCTION

FOR TOWER TYPE 40-160-EP10(AK1-40m)

APPROVAL DRAWING

AFGHAN TELECOM

CLIENT: AFGHAN TELECOM

DESIGNER: DAKALSTAN

CONTRACTOR: DAKALSTAN

DATE: 10/10/2010

SCALE: 1:100

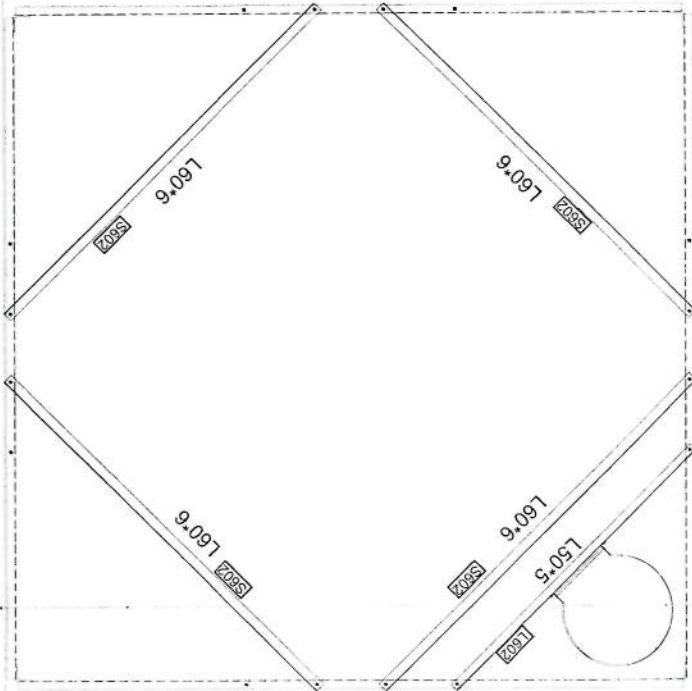
BY: [Signature]

CHECKED: [Signature]

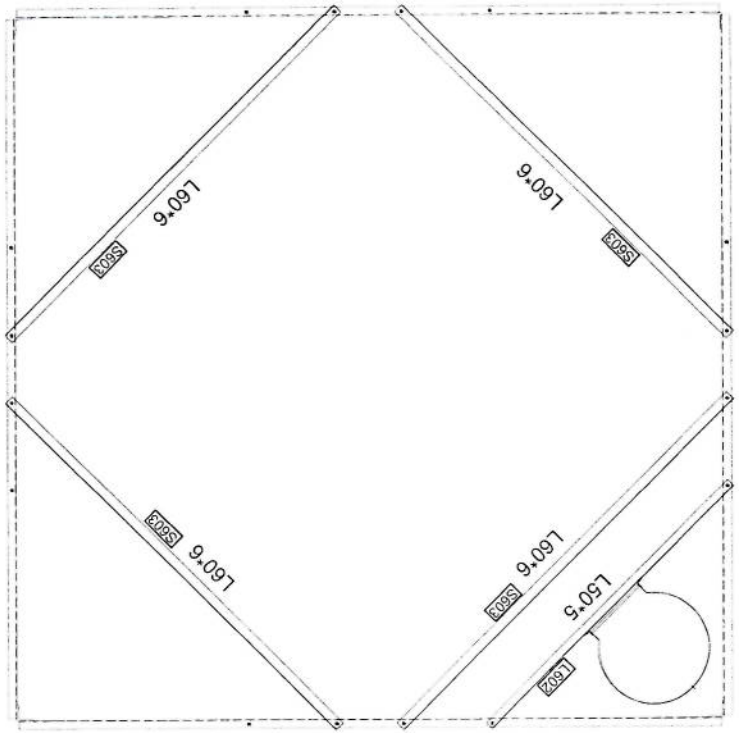
APPROVED: [Signature]



SECTION 15-15



SECTION 16-16



Block	Mark	Description	Length	Weight	Qty	Total Weight
B/L6	V-L6	100X10	6.205	92.252418	4	369.129752
B/L6	601	50X5	4.205	16.1551895	4	64.620758
B/L6	602	50X5	3.999	15.3637581	4	61.4550324
B/L6	603	50X5	3.793	14.5722267	4	58.2893068
B/L6	604	50X5	2.856	10.97224664	8	87.7797312
B/L6	605	40X4	1.342	3.3036014	8	26.4288112
B/L6	606	40X4	0.954	2.3484618	8	18.7876944
B/L6	607	50X5	2.781	10.6843239	8	85.4745912
B/L6	608	40X4	1.306	3.2149802	8	25.7198416
B/L6	609	40X4	0.906	2.2303002	8	17.8424016
B/L6	610	450X5	2.708	10.4038652	8	83.2309216
B/L6	611	40X4	1.271	3.1288207	8	25.0305656
B/L6	612	40X4	0.858	2.1121386	8	16.8971088
B/L6	L 601	L50X5	2	7.6838	1	7.6838
B/L6	L 602	L50X5	1.999	7.6799581	2	15.3599162
B/L6	S 601	L60X6	2.434	13.4626974	4	53.8507896
B/L6	S 602	L60X6	2.578	14.2591758	4	57.0367032
B/L6	S 603	L60X6	2.724	15.0667164	4	60.2668656
B/L6	P 61	P1300*200*10	1	4.8513	4	19.4052
B/L6	P 62	P1300*200*10	1	4.8513	4	19.4052
B/L6	P 63	P1300*200*10	1	4.8513	4	19.4052
B/L6	P1 6	P1420*90*10	1	3.0591	8	24.4728
B/L6	M16	L80X7	0.42	3.638166	4	14.552664
B/L6	Bolt Set	M16-60	1	0.16274	64	10.41536
B/L6	Bolt Set	M12-40	1	0.06798	318	21.61764
B/L6	Washer		1	0.008446	382	3.226372
						1267.39 Kg

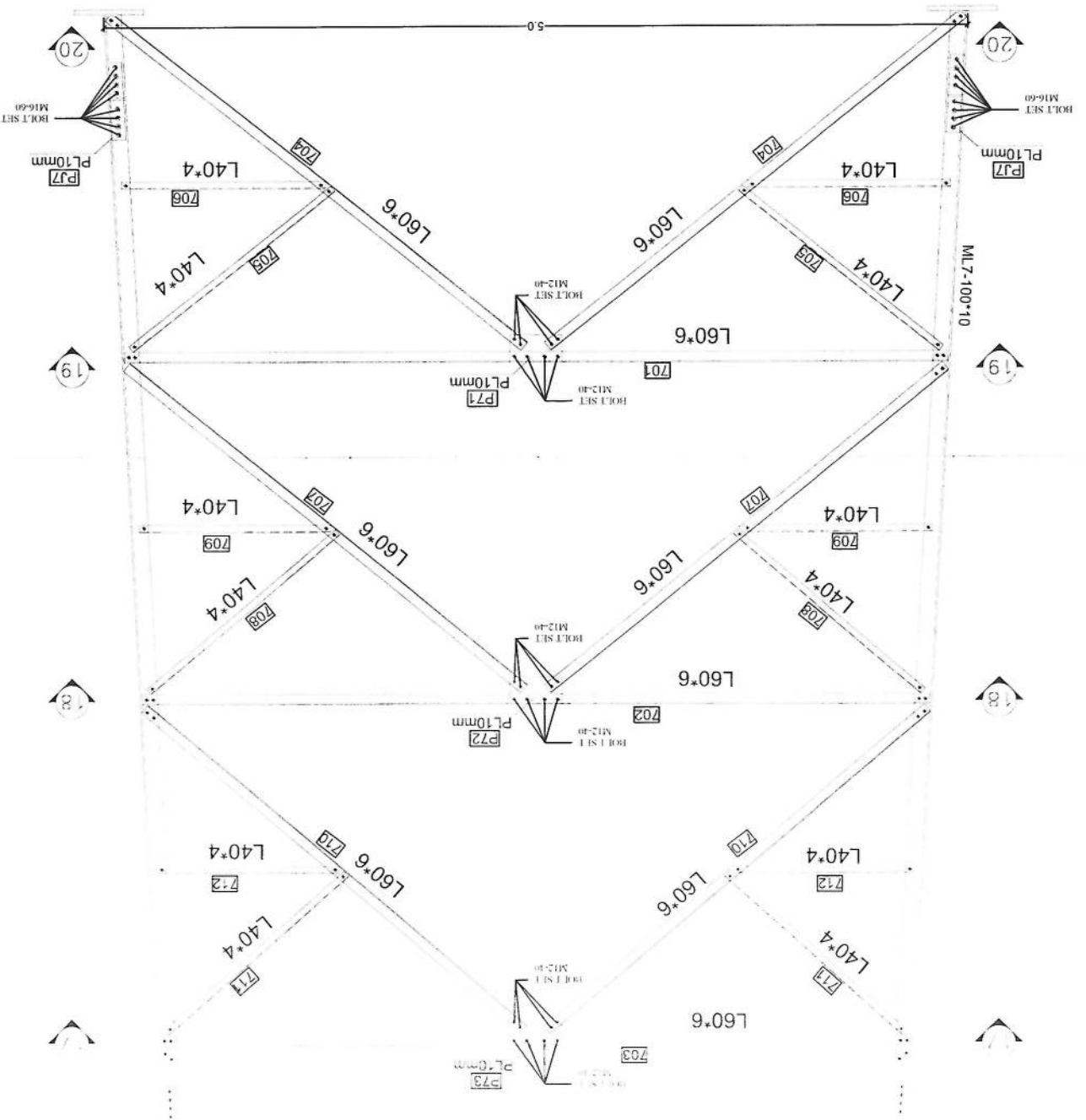
			
SUTUN MYSOON THE DESIGN & CONSTRUCTION EXPERTS		SK KALAN CO. DESIGN AND MANUFACTURE	
APPROVAL DRAWING FOR TOWER TYPE 40-160-CPA10(AK1-40m) PANEL 4			
AFGHAN TELECOM			
DESIGN NO. 001 REVISION NO. 001 DATE 01/01/2010			

PROFILES GRADE LEGEND

- 1-L=ST37
- 2-ML=ST50
- 3-HT=ST52
- 4-ALL JOINT PLATES ARE ST52

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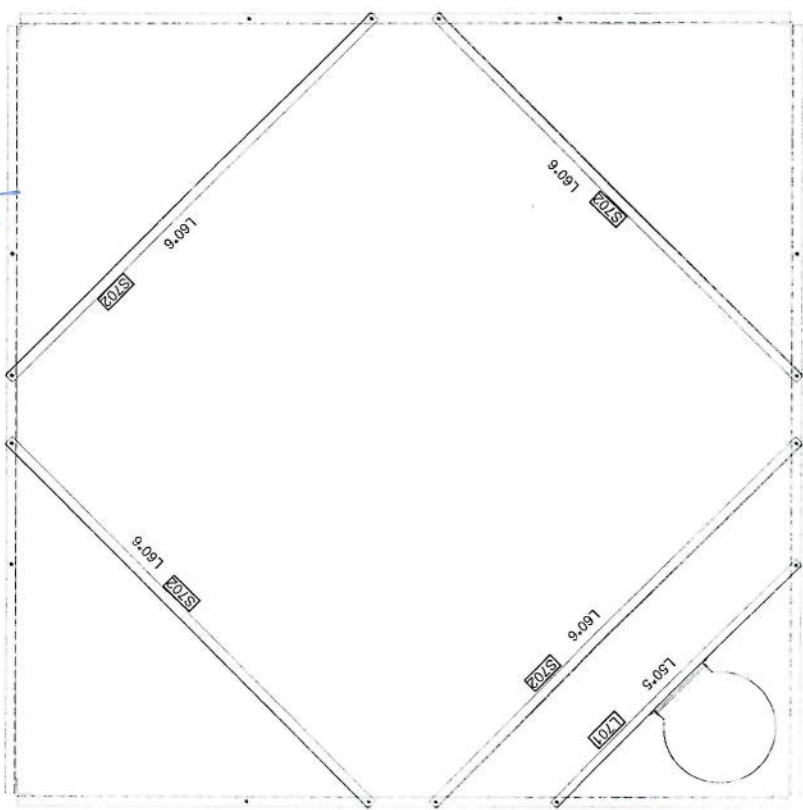
BLOCK 7



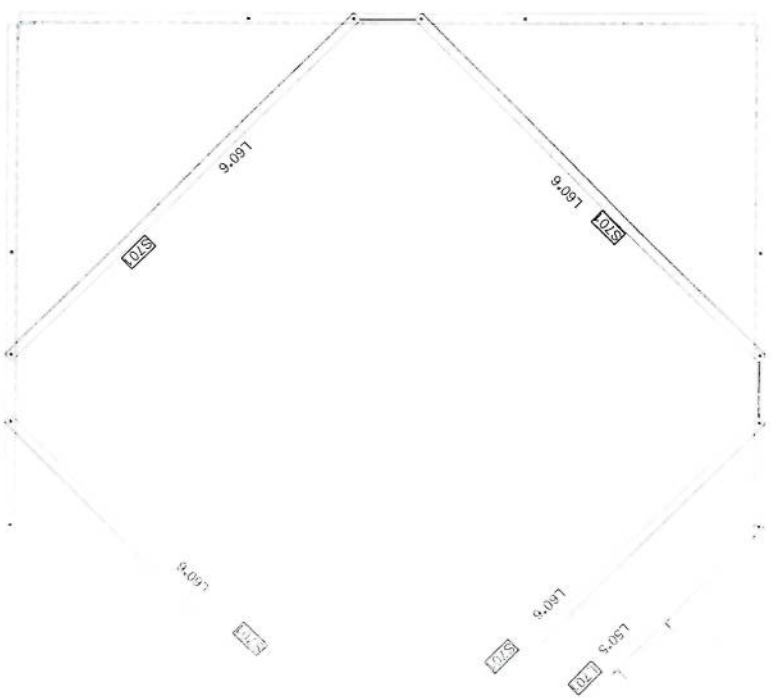
1. ALL DIMENSIONS ARE IN METERS (M) UNLESS OTHERWISE SPECIFIED.
 2. THE TOWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE AFGHAN TELECOM.
 3. THE TOWER SHALL BE DESIGNED TO WITHSTAND A WIND SPEED OF 100 KM/H.

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SECTION 18-18



SECTION 17-17



DATE: 11/01/2011		DRAWN BY: [Signature]	
DESIGN BY: [Signature]		CHECKED BY: [Signature]	
APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m) PANEL 4			
APPROVED BY: [Signature] DATE: 11/01/2011			

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DAKASAZAN
KALAN CO.

DESIGN AND CONSTRUCTION

FOR TOWER TYPE 40-160-EPA10(AK1-40m)
PANEL 7

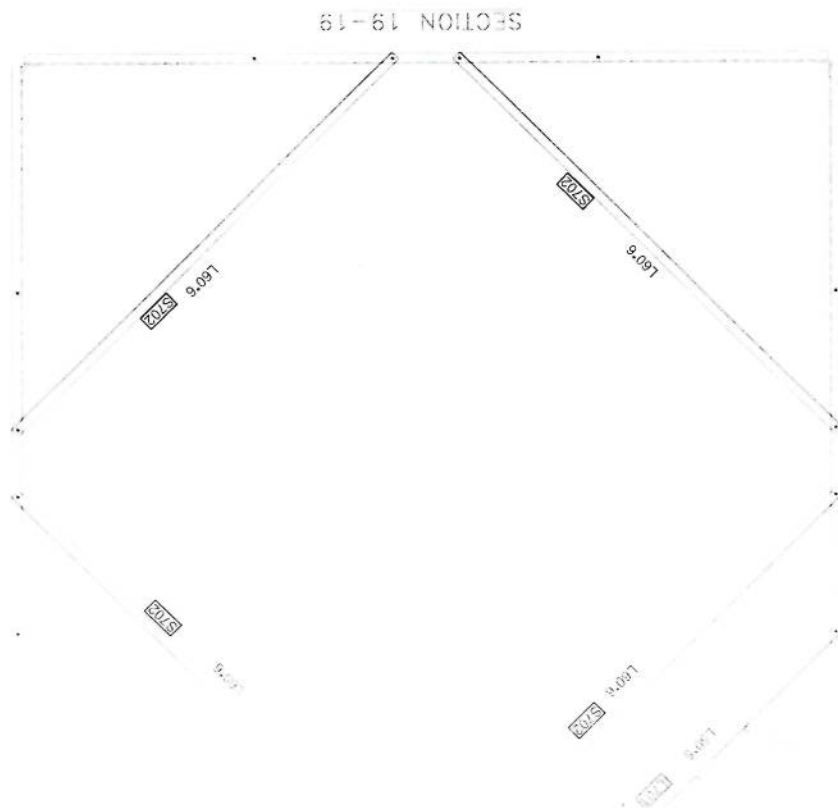
APPROVAL DRAWING

AFGHAN TELECOM

DESIGN: [Signature]
CHECK: [Signature]
DATE: [Signature]

[Handwritten signature]

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BL7	ML 7	L 100X10	5.5	84.5218	4	338.0872
BL7	701	L60X6	4.781	26.4441891	4	105.7767564
BL7	702	L60X6	4.595	25.4154045	4	101.661618
BL7	703	L60X6	4.41	24.392151	4	97.568604
BL7	704	L60X6	2.962	16.3831182	8	131.0649456
BL7	705	L 40X4	1.403	3.4537651	8	27.6301208
BL7	706	L 40X4	1.072	2.6389424	8	21.1115392
BL7	707	L60X6	2.855	15.7912905	8	126.330324
BL7	708	L 40X4	1.348	3.3183716	8	26.5469728
BL7	709	L 40X4	1.028	2.5306276	8	20.2450208
BL7	710	L60X6	2.779	15.3709269	8	122.9674152
BL7	711	L 40X4	1.315	3.2371355	8	25.897084
BL7	712	L 40X4	0.985	2.4247745	8	19.398196
BL7	L701	L50X5	2	7.6838	3	23.0514
BL7	S 701	L60X6	2.876	15.9074436	4	63.6297744
BL7	S 702	L60X6	3	16.5933	8	132.7464
BL7	P 71	PL300*175*10	1	4.2436	4	16.9744
BL7	P 72	PL300*175*10	1	4.2436	4	16.9744
BL7	P 73	PL300*175*10	1	4.2436	4	16.9744
BL7	PJ 7	PL420*90*10	1	3.0591	8	24.4728
BL7	MJ7	L80X7	0.42	3.638166	4	14.552664
BL7	Boil Set	M16-60	1	0.16274	64	10.41536
BL7	Boil Set	M12-40	1	0.06798	318	21.61764
BL7	Washer		1	0.008446	382	3.226372
						1508.92 Kg

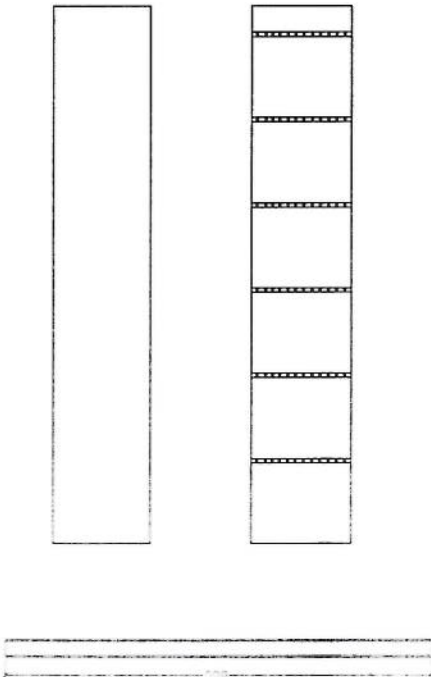


SCALE: 1 OF 20	
REV: 0	DAKALSAZAN DWG NO:
SH / TOTAL	DESIGN STAGE
 	
DESIGN AND MANUFACTURER DAKALSAZAN KALAN CO.	
CONTRACTOR SUTUN MYSOON BUILDING & CONSTRUCTION SERVICES	
TITLE: APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m)	
CLIENT: AFGHAN TELECOM	
REV	DESCRIPTION
2	FIRST ISSUE
1	DESIGN
0	DATE

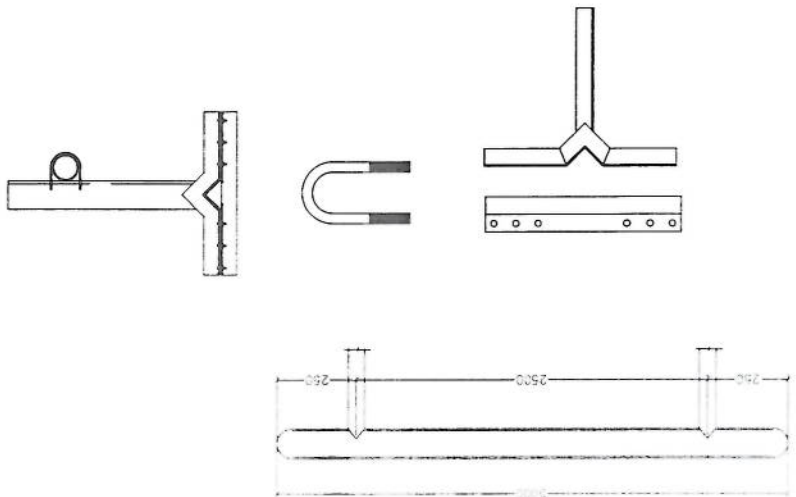
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Sr.No	Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
1	SUPPORT		(60X3)MM PIPE	3	13.0398	3	39.1194
2	SUPPORT		(60X3)MM PIPE	0.6	2.60796	2	5.21592
3	ANGLE	SL 1	L60X6	0.6	3.31866	3	9.95598
4	ANGLE	ANG	L60X6	0.45	2.488995	20	49.7799
5	ANGLE	ANG	L60X6	0.5	2.76555	5	13.82775
6	PIPE	PIPE	(27X2.6)MM PIPE	1.6	3.98816	5	19.9408
7	ANGLE	ANGLE	L60X6	0.5	2.76555	5	13.82775
8	U BOLT	U B	ROD 12	0.3	0.27501	35	9.62535
TOTAL WEIGHT							161.29 Kg

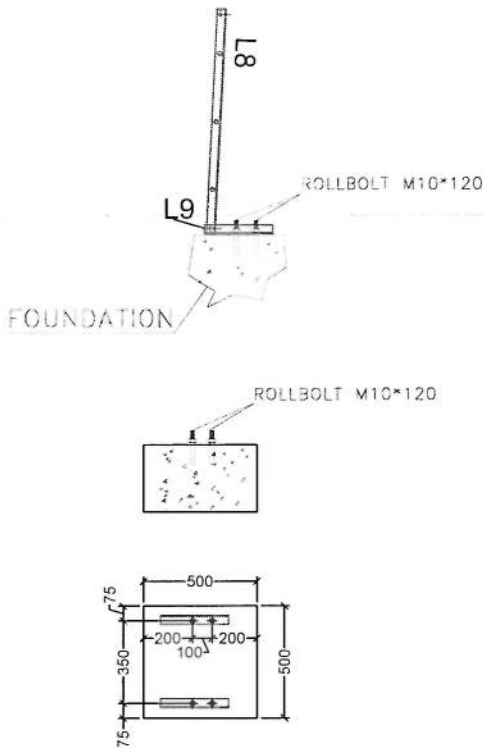
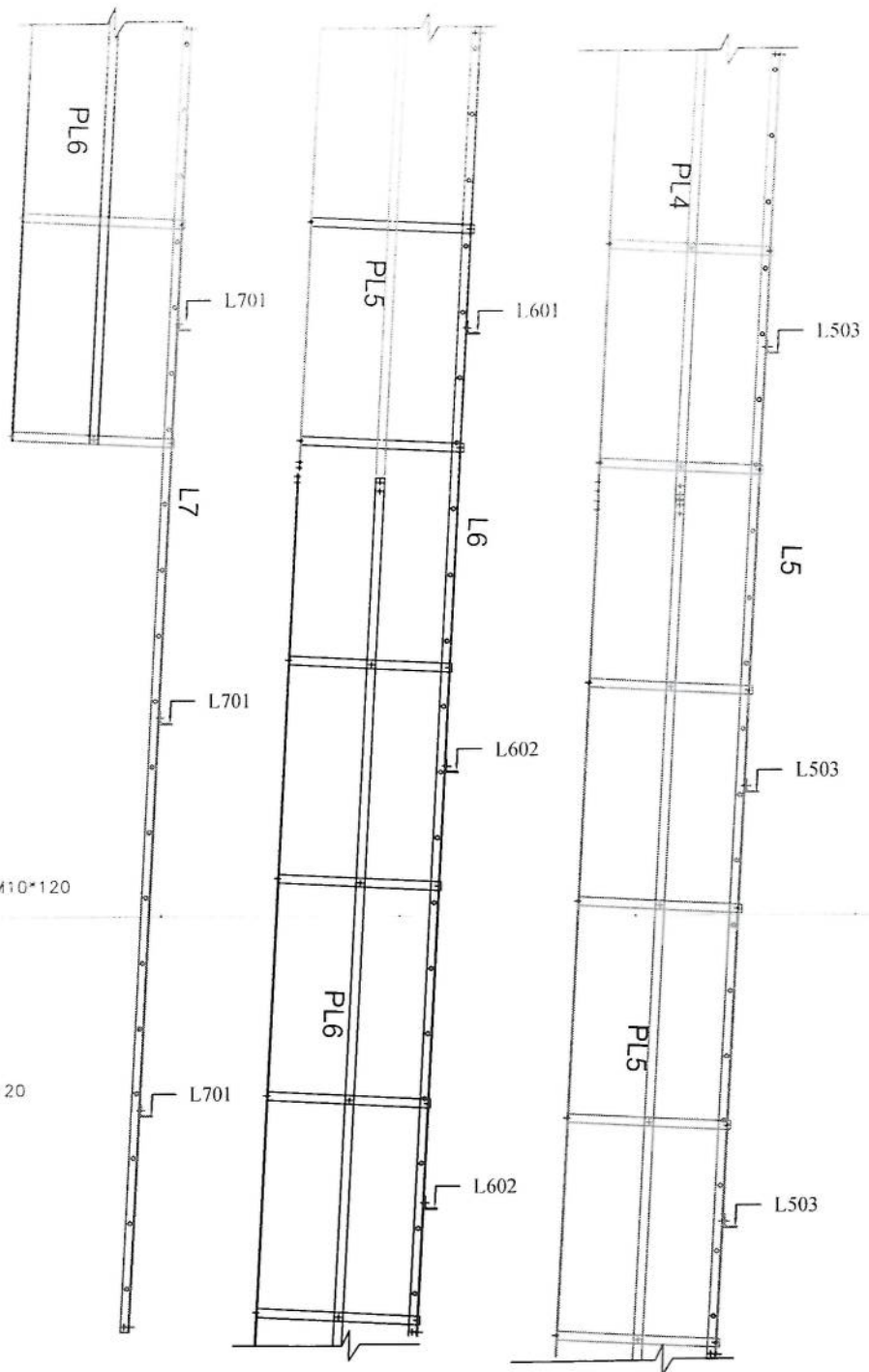
CABLE TRAY



SUPPORTER



A
B
C
D
E
F
G



[Handwritten signature]

2	REV	ISSUE	DATE	BY	CHK	APP	VER
1	DESIGN	SAHAN	2014/04/04	SAHAN	SAHAN	SAHAN	SAHAN
CLIENT: AFGHAN TELECOM							
TITLE: APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m) PANEL 4							
CONTRACTOR: SULTAN MAJID							
DESIGN AND MANUFACTURE: DAKALSAZAN KALAN CO.							
SEAL: <i>[Signature]</i> DATE: 2014/04/04 DAKALSAZAN KALAN CO.							
DESIGN STAGE: DETAIL DESIGN REV: 1 1 OF 25							

A

B

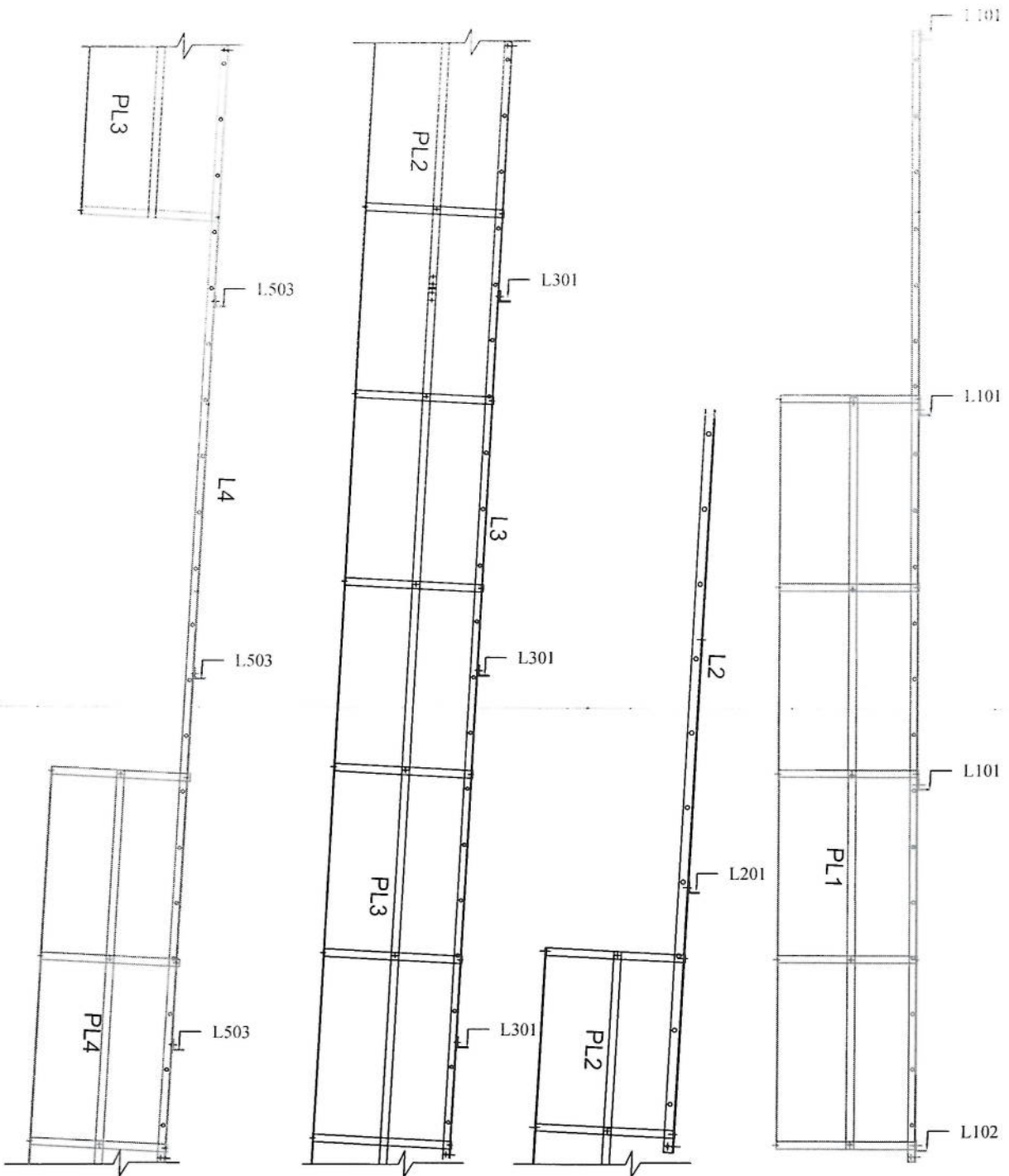
C

D

E

F

G



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REV	DESCRIPTION	DESIGN	DRAWN	CHECK	DATE
1					

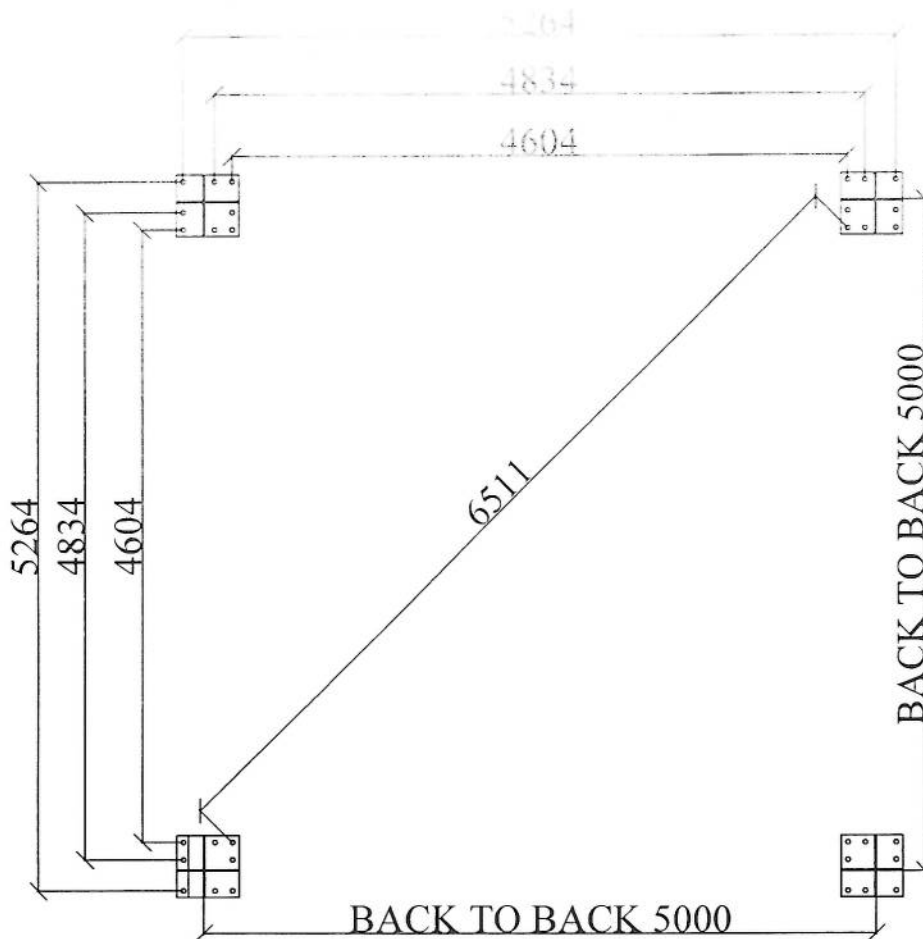
AFGHAN TELECOM

APPROVAL DRAWING
FOR TOWER TYPE 40-160-EPA10(AK1-40m)
PANEL 4

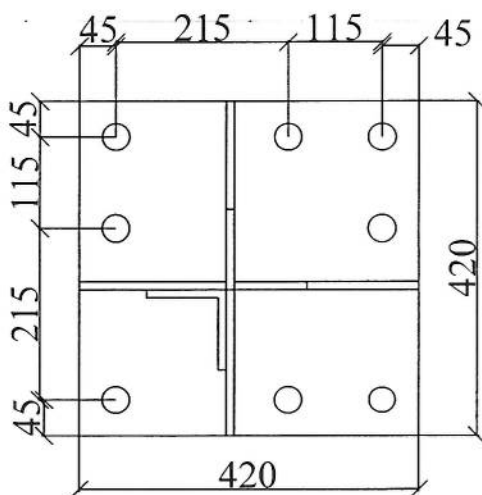
CONTRACTOR
SULTAN MASOOM
ENGINEERING & LOGISTICS SERVICES

DESIGN AND MANUFACTURER
DAKALSAZAN KALAN CO.

SCALE: 1:100
FORMAT: A1
DESIGN STAGE: DETAIL DESIGN
REV: 0
SHEET: 1 OF 20

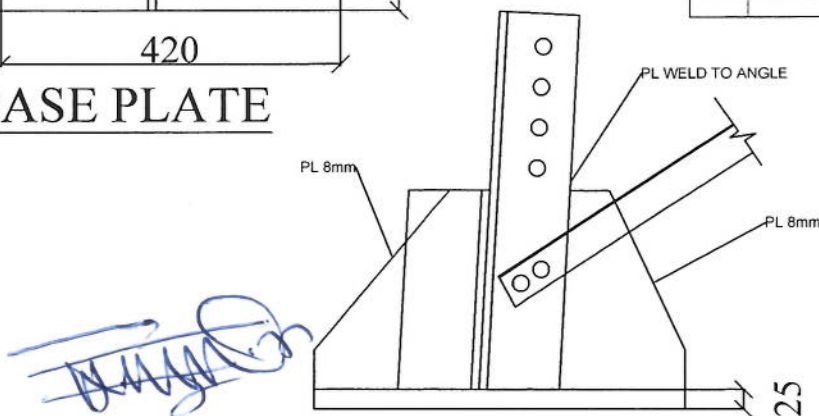


SECTION OF BASE PLATE



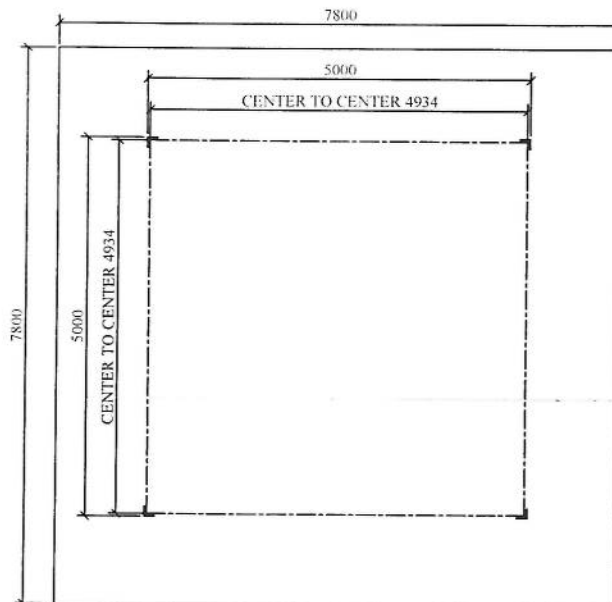
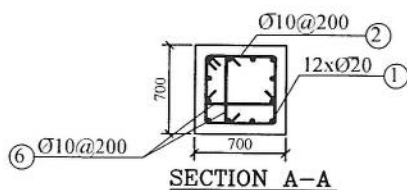
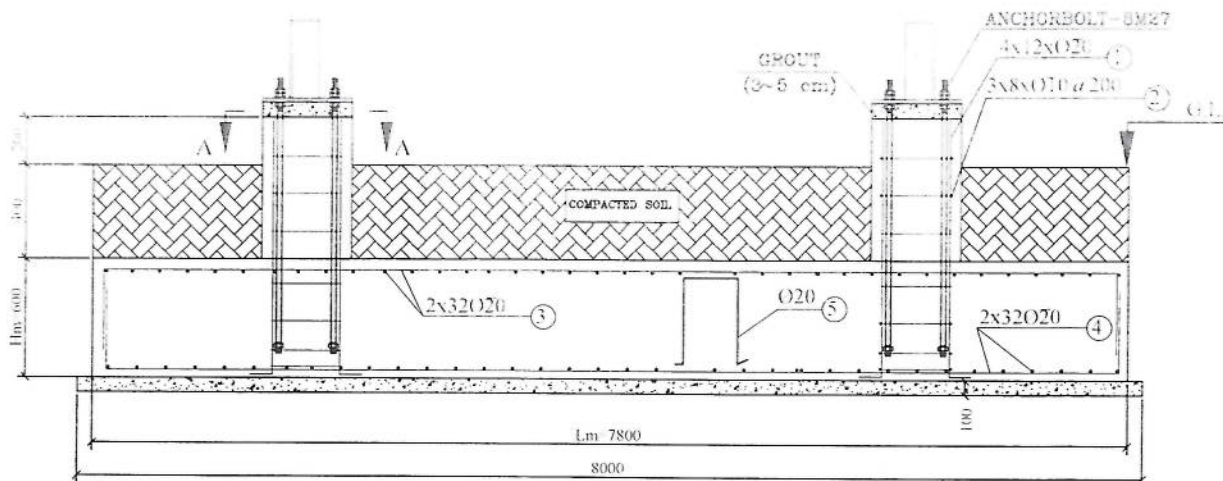
BASE PLATE

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BASE						
BASE	BS	PL 420X420X25	1	35.6586	4	142.6344
BASE	STF	PL250*189*8	1	3.0591	2	6.1182
BASE	STF	PL250*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 BO	Φ 30	1.1	6.28815	32	201.2208
BASE	TEMPLATE	PL40X40X5	1	6.4684	4	25.8736
BASE	NUT30	NUT30	1	0.309	128	39.552
BASE	Cable Tray	GI SHEET 1.8 mm	1		1	58.71
Total weight						524.41KG



**BASE PLATE
SIDE VIEW**

2	FIRST ISSUE	A.DH	Mr To De	D.DEP.	A.DH	--	01/05/08
REV	DESCRIPTION	DESIGN	DRAWN	CHECK	APPR	VRF	DATE
CLIENT:		AFGHAN TELECOM					
TITLE:		APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m) PANEL 4					
CONTRACTOR							
DESIGN AND MANUFACTURER		DAKALSAZAN KALAN CO.  					
SCALE:		FORMAT: A1		DESIGN STAGE: DETAIL DESIGN			
DAKALSAZAN DWG NO:		REV:		SH.		/TOTAL	
--		0		1		OF 20	

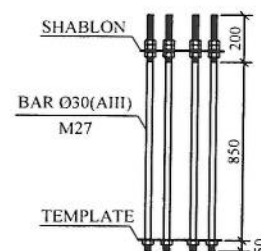


NOTE :

- 1- ALL DIMENSION ARE IN MM .
EXCEPTION AS NOTED.
- 2- F'c=210 Kg/Cm2 AFTER 28
DAYS ON CYLINDER SPEC.
- 3- GRADE OF BARS:
AII FOR D<12mm
AIII FOR D>12mm
- 4- COVER ON BARS IS 75 mm .
- 5- THICKNESS OF LEAN CONCRETE 10cm.

SOIL CHARAC.: ALLOWABLE BEARING=1.0~2.0 KG/CM2 NORMAL
BAR BENDING SCHEDULE (TYPE AIII - FY=4000kg/cm²)
TYPE 7

POS.	BENDING DIAGRAM cm	Ø mm	NO ROD.	UNIT LENGTH m	TOTAL LENGTH m	UNIT WEIGHT Kg/m	TOTAL WEIGHT Kg
1		20	12*4	1.35	64.8	2.47	160
2		10	6*4	2.40	57.6	0.617	36
3		20	32*2	8.25	528	2.47	1304
4		20	32*2	8.25	528	2.47	1304
5		20	58	1.80	104.4	2.47	258
6		10	48	0.75	36	0.617	22
CON. VOL. =37.7m ³ TOTAL WEIGHT (kg) : 3084							



BAR Ø30(AIII)
M27

TEMPLATE

REVISION RECORDS		تغییرات	
REVISION NO	تاریخ	DESCRIPTION	توضیحات

LEGEND:	علامت: نماد: PCC: قاعه بتونی
---------	---------------------------------------

PROJECT TITLE / NO:	عنوان پروژه: GSM SITES سایت های GSM
---------------------	---

DRAWING TITLE:	عنوان نقشه: 40m Tower Grounding System سیستم ارتداد برای برج 40 متر
----------------	---

DRAWN BY:	ترسیم کننده: CIVIL TEAM
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CHECKED BY:	تایید کننده:
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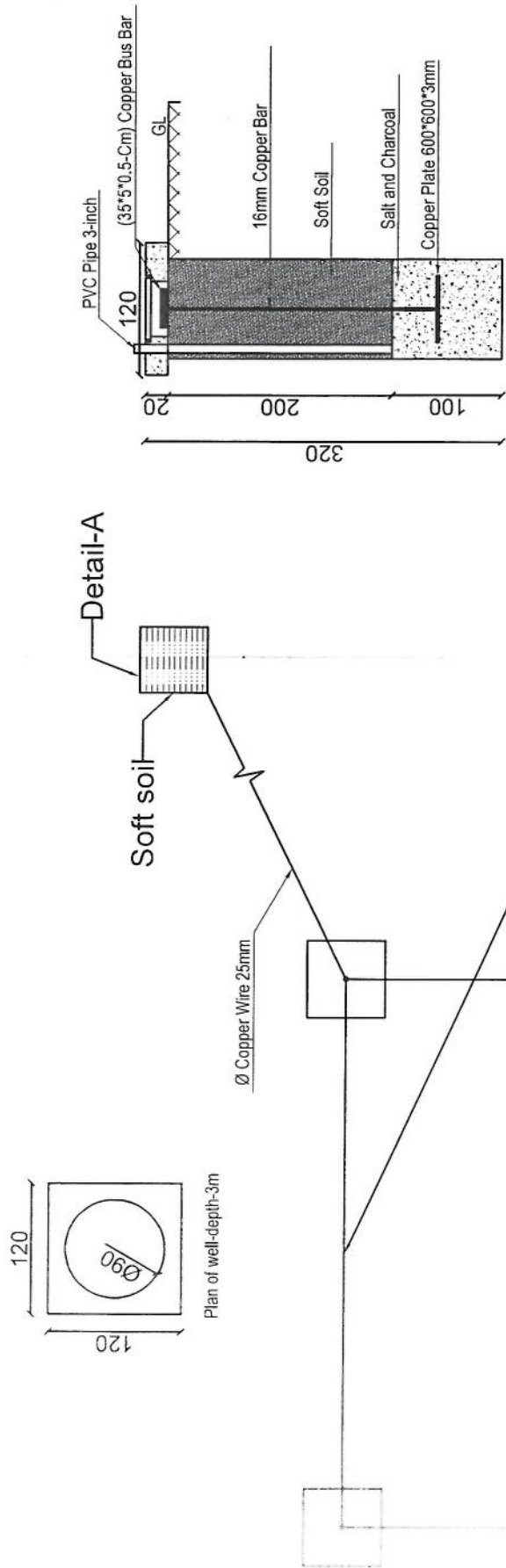
APPROVED BY:	تایید کننده:
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SCALE:	1:75
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ACTUAL DATE:	10/05/2025
ISSUE DATE:	

OWNER:	AFGHAN TELECOM
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سازمان مخابرات افغانستان Afghanistan Telecommunication Company AFGHANISTAN
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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

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

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Grading system- well plan & section

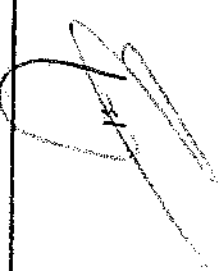
SCALE: 1:75

REF: A101

سایت HEL289 توسعوی ولایت هلمند مورد تایید رهبری شرکت افغان تیلیکام

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	Tower Height
1	HEL289	31.584661	63.939924	Helmand	Marjah	Sarayee Baloch Bazar	Coverage /Capacity	HEL226	7.26km	Not On Air	Not On Air	GF	40m

محمد هارون محمدی	محمد اجمل افغان	محمد جان روفی	حکمت الله ستانکزی	ولایت خان عظیمی
واریسی کننده معاونیت عملیاتی بیسیم	رئیس تکنیکی بیسیم	آمر ترانسیمیشن TX	آمر RF BSS	مدیر RF Optimization







پوهنځیاری علی احمد سامند
 رئیس عمومی شرکت افغان تیلی کام

X