

معلومات به اساس سروی از ساحه	معلومات ابتدایه ضروری هر یک سروی	شماره
HRT063	ای دی (سایت) Site ID	
A	شماره	
34.45159 62.19418	GPS coordinates	
Kotal_e_Surkh	نام ساحه و منطقه	
Kotal_e_Surkh	نام ولسوالی و ولایت مربوطه	
Kotal_e_Surkh	(نام ساحه که قرار است تحت پوشش سایت بیفتد)	
دولتی	مالیگت (یعنی: شخصی یا دولتی)	
دولتی	مالی خاندان/خانه قابل دسترسی است	
دولتی	شماره تماس مالک یا سکنه خاندان	
دولتی	شخصی/کافی	
دولتی	مالی خاندان یا نصب سایت و شرایط اتصال تیلی کام راضی است	
دولتی	موافقه ابتدای ساحه یا مالک خاندان صورت گرفت؟	
دولتی	نوعیت سایت (سایم یا روی مین)	
دولتی	چگونگی ساحه (شهری، روستایی، دورست) یا VIP	
دولتی	سری که واسطه نقلیه تردد بتواند دارد	
دولتی	آیا به سری تردد جهت واسطه ضرورت است	
دولتی	چه مقدار سری تردد واسطه ضرورت است (به متر)	
دولتی	در صورتیکه کالیدر سایت سایم تعمیرات یافتند	
دولتی	نوعیت تعمیر (مسکونی/تجاری)	
دولتی	تعداد منازل	
دولتی	ارتفاع تعمیر	
دولتی	راه رسیدن به نام (زیرنه بترونی داخل)	
دولتی	امکان خاندان وسایل سریام یا افراد و کالیدرها است؟	
دولتی	امکان خاندان وسایل سریام یا کترین سریام است؟	
دولتی	ظاهر تعمیر قابلیت برداشت سایت را دارد؟	
دولتی	نوعیت سریام (رنگی، کتری، یا کدوری)	
دولتی	مساحت موجود سریام (طول و عرض)	
دولتی	تور مورد نیاز (کاید ماست کثیف)	
دولتی	ارتفاع تور مورد نیاز	
دولتی	ارتفاع مجموعی تور و تعمیر از سطح زمین منزل	
دولتی	در صورتیکه کالیدر سروی درختی یا زمین خاندان یافتند	

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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

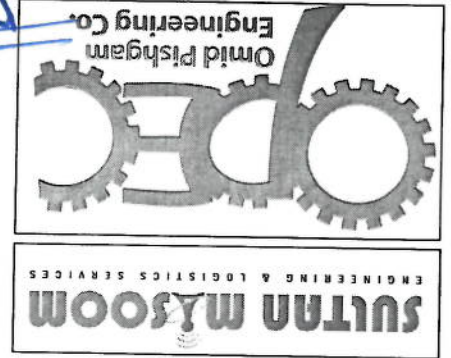
LATTICE Tower:40m

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

APPROVAL DRAWING

TOWER TYPE "AK1"

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



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G

F

E

D

C

B

A

RED

WHITE

RED

WHITE

RED

40M TOWER VIEW

BLOCK 7

BLOCK 6

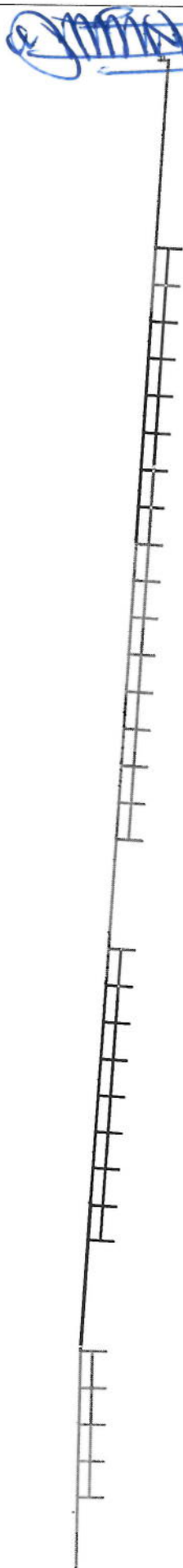
BLOCK 5

BLOCK 4

BLOCK 3

BLOCK 2

BLOCK 1

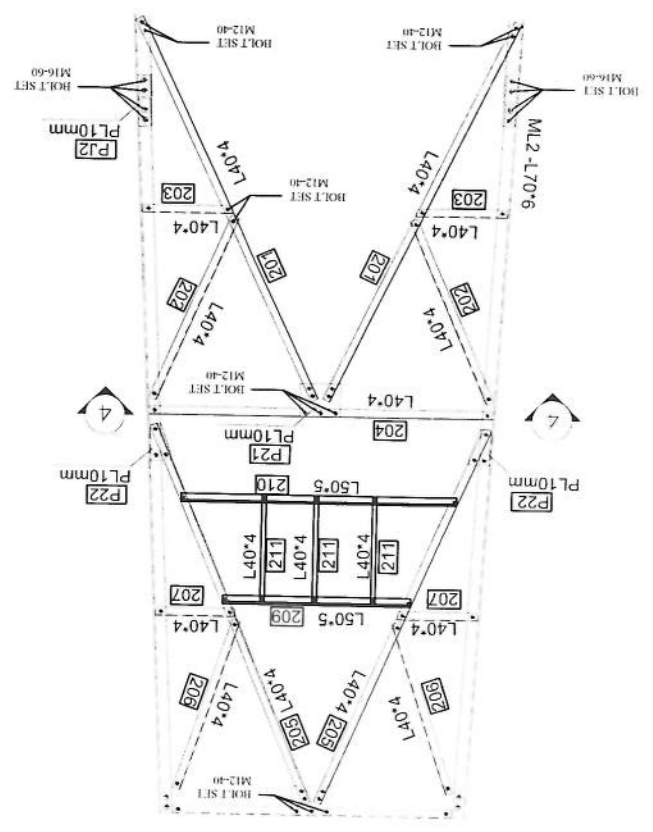


REV:	0	1 OF 20
SCALE:	DAKASAZAN DWG NO:	
FORMAT:	DESIGN STAGE: DETAIL DESIGN	
DESIGN AND MANUFACTURER:	DAKASAZAN KALAN CO.	
CONTRACTOR:	SULTAN MYSOOM	
TITLE:	APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m) PANEL 4	
CLIENT:	AFGHAN TELECOM	
REV:	2	
DESCRIPTION:	FIRST ISSUE	
DESIGN:	AKH	15/04
CHECK:	AKH	15/04
APPV:	---	---
DATE:	---	---

جدول سروی سایت‌های غیر تی دی اف (AFTEL)

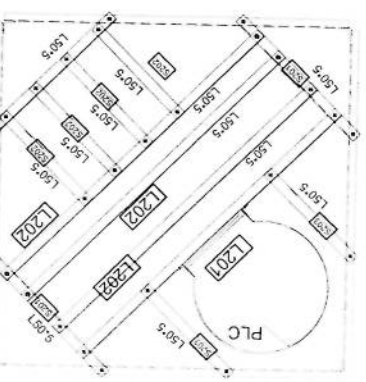
32	نوعیت سازه (سازه باز یا سازه محاط)	
33	مساحت موجود (طول و عرض)	20*15m
34	مساحت مورد نیاز سایت (طول عرض)	20*15m
35	نوعیت احاطه در صورت ضرورت	احاطه خشت پخته
36	مخل بودبایش گارد در صورت ضرورت	ضرورت دارد
37	تاوور (کیلی روی زمین یا سلف سپورت)	GF
38	ارتفاع تاوور مورد نیاز	40
39	امکانات وصل ترانس‌میشن سایت (TX type)	دارد (با تیم TX چک گردید)
40	سایه بان و سلب برای وسایل مخایرات (BTS and all racks)	سایه بان که تمام سلب 3X2
41	سایه بان و سلب مورد نیاز جراتور و تانکر	اتاق ضرورت دارد
42	امکانات نصب سولر است؟	دارد
43	سازه کافی برای سولر موجود است؟	موجود میباشد
44	برق شهری در سازه وجود دارد؟	No
45	فاصله برج برق از سازه سایت	
46	تیم سروی	RF/TX/CIVIL
47	نام	HABIB/ESMAIL/M.Hanif
48	دییارتمنت	RF BSS
49	شماره	0749416198/0744418134/0745005310
50	سکیمج سازه سایت (ترتیب و ضم ریزر سروی شود)	
51	عکسهای پانارومیک از سازه گرفته شود	Yes
52	خط دید وصل مایکرونیف با تیم از سازه باید چک و تایید شود	چک گردیده است
53	خدمات سلام در سازه موجود است؟	نه خیر
54	کیفیت خدمات سلام در سازه	نه خیر
55	نظریات: انجینر ساختمانی	نوعیت سرگ خاکی و عادی می باشد

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

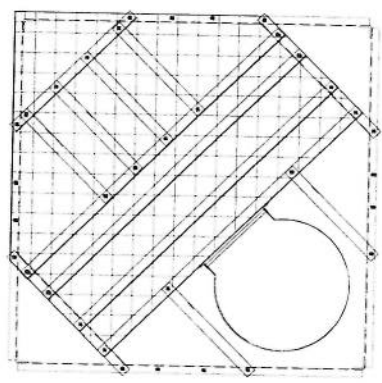


BLOCK 2

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BL.2	ML.2	L.70X6	4.005	26.0296965	4	104.118786
BL.2	S.201	L.40X4	2.303	5.6692951	8	45.3543608
BL.2	S.202	L.40X4	1.083	2.660211	8	21.3281688
BL.2	S.203	L.40X4	0.425	1.0462225	8	8.36978
BL.2	S.204	L.40X4	1.69	4.160273	4	16.641092
BL.2	S.205	L.40X4	2.32	5.711144	8	45.689152
BL.2	S.206	L.40X4	1.115	2.7447955	8	21.958364
BL.2	S.207	L.40X4	0.37	0.910829	8	7.286632
BL.2	S.209	L.50X5	0.96	3.688224	4	14.752896
BL.2	S.210	L.50X5	1.38	5.301822	4	21.207288
BL.2	S.211	L.40X4	0.585	1.400945	12	17.281134
BL.2	S.201	L.50X5	0.877	3.3693463	3	10.1080389
BL.2	S.202	L.50X5	0.519	1.9939461	4	7.9757844
BL.2	S.203	L.50X5	0.579	2.2244601	2	4.4489202
BL.2	L.201	L.50X5	1.723	6.6195937	1	6.6195937
BL.2	L.202	L.50X5	1.723	6.6195937	1	6.6195937
BL.2	Washer	P1.100X40X8	1	0.2575	10	2.575
BL.2	Bolt Set	M16-60	1	0.16274	32	5.20768
BL.2	Bolt Set	M12-40	1	0.06798	304	20.66592
BL.2	P.21	P1.240*160*10	1	3.1003	4	12.4012
BL.2	P.22	P1.119*110*10	1	1.0609	8	8.4872
BL.2	P.22	P1.320*60*10	1	1.5553	8	12.4424
BL.2	ML.2	L.60X6	0.32	1.769952	4	7.079808
BL.2	MESSH	HEVY MESSH	2.5	28.325	1	28.325
BL.2	WASHER		1	0.008446	336	2.837856
TOTAL WEIGHT						473.02 kg



SECTION 4-4



SECTION 4-4

PROFILES GRADE LEGEND

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

AFGHAN TELECOM
APPROVAL DRAWING
FOR TOWER TYPE 40-160-EPA10(AK1-40m)
PANEL 4
CONTRACTOR
DAKALSAZAN
KALAN CO.
DESIGN AND MANUFACTURE
SK
DETAIL DESIGN
REV. 1 OF 20
DATE

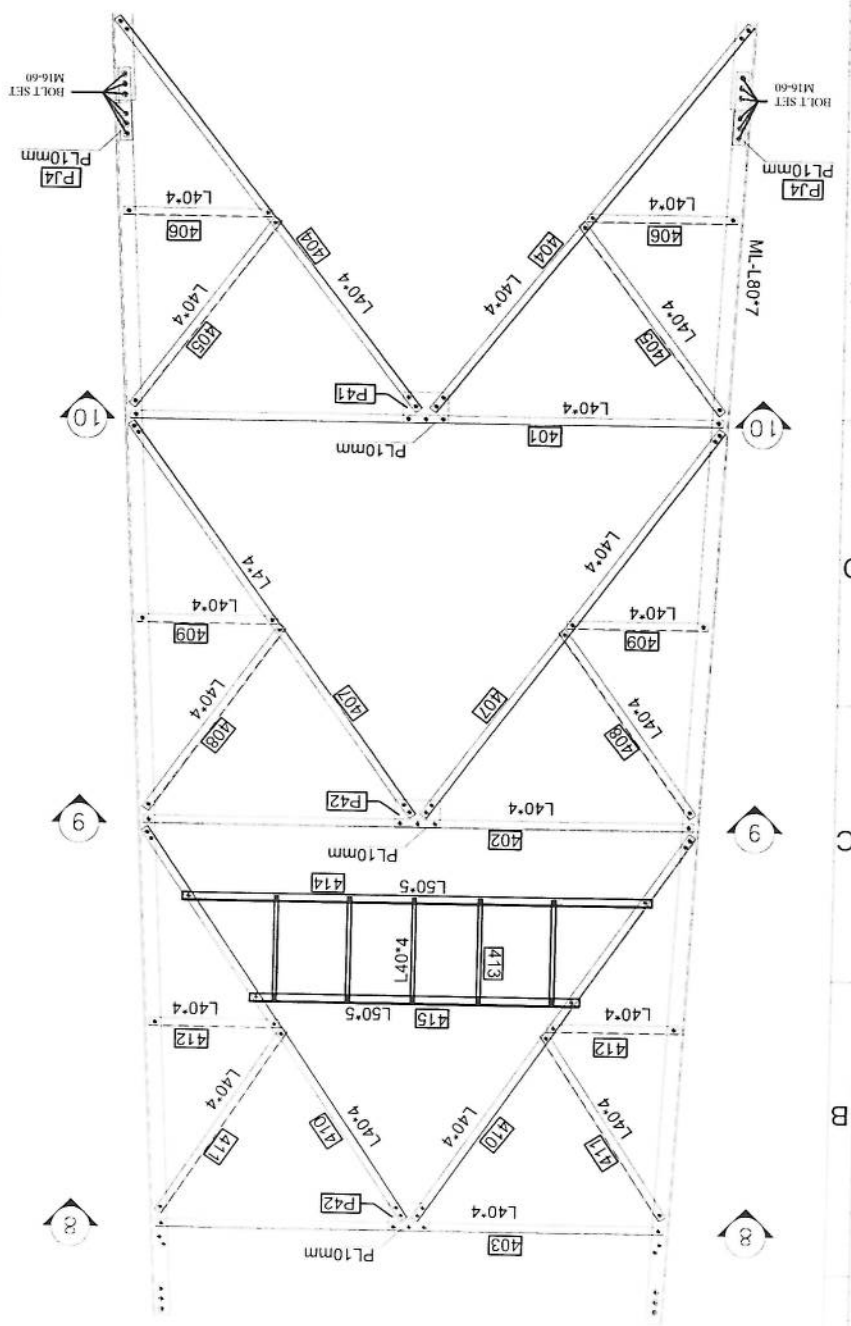
CLIENT	AFGHAN TELECOM
TITLE	APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m) PANEL 2
CONTRACTOR	SUITAN MYSOOM
DESIGN AND MANUFACTURE	DAKRAZAN KALAN CO.
SCALE	1:1
DATE	10/10/20

PROFILES GRADE LEGEND

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

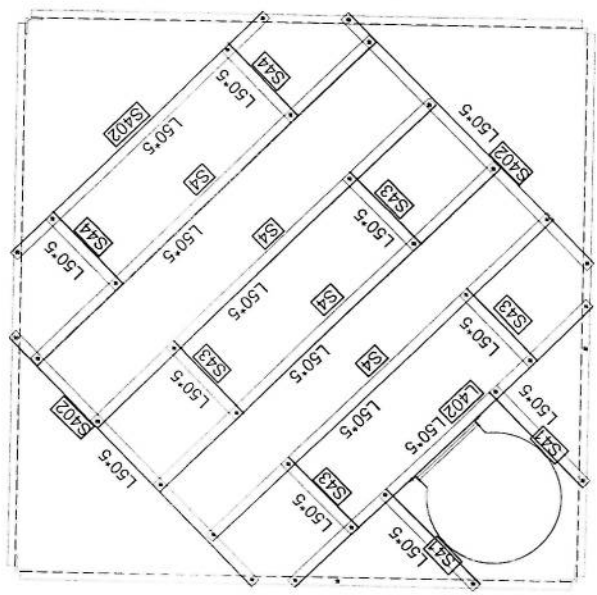
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BLOCK 4

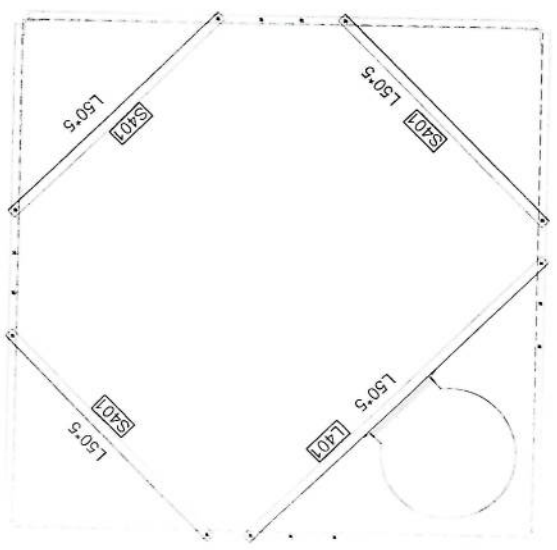


NOTE:
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2. ALL BOLT SET IN MAIN LEGS AND JOINT ARE M16-60
3. ALL PLATE AND JOINT PLATE ARE PLATE 10mm

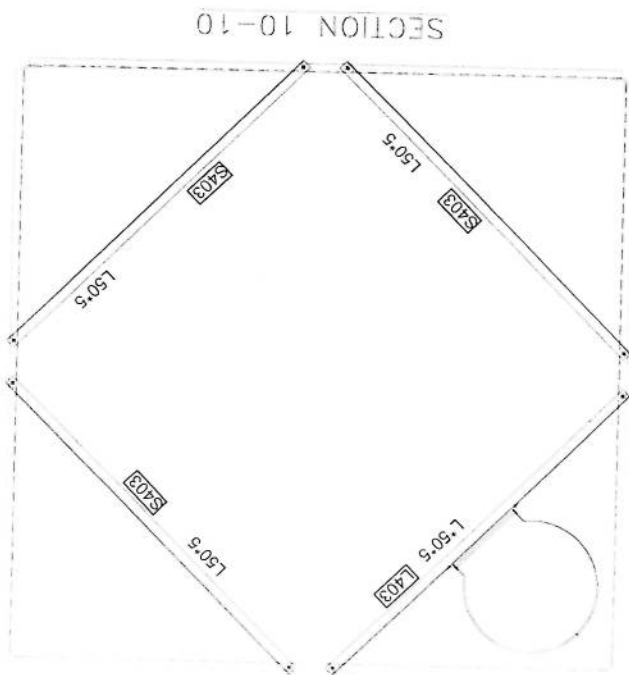
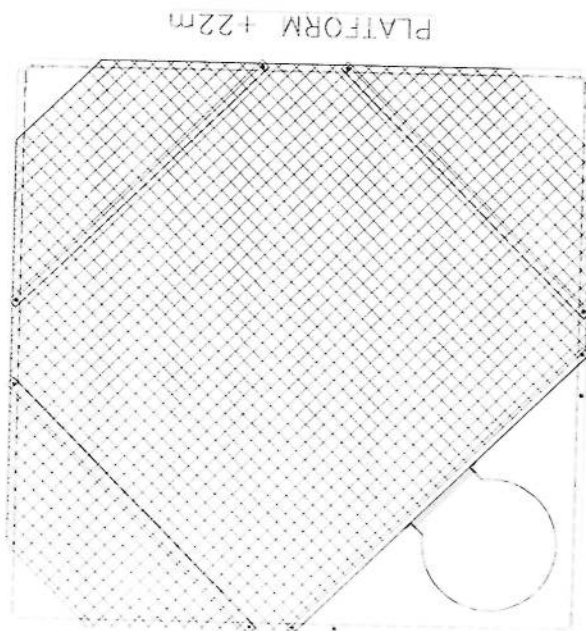
SECTION 9-9



SECTION 8-8



Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BL4	M4	L80X7	6.005	52.017115	4	208.068446
BL4	401	L40X4	2.955	7.2743235	4	29.097294
BL4	402	L40X4	2.75	6.766675	4	27.0787
BL4	403	L40X4	2.534	6.2379478	4	24.9517912
BL4	404	L40X4	2.444	6.0163948	8	48.1311584
BL4	405	L40X4	1.85	2.9171145	8	23.336916
BL4	406	L40X4	0.71	1.747807	8	13.982456
BL4	407	L40X4	2.38	5.858846	8	46.870768
BL4	408	L40X4	1.158	2.8506486	8	22.8051888
BL4	409	L40X4	0.664	1.6345688	8	13.0765504
BL4	410	L40X4	2.321	5.7136057	8	45.7088456
BL4	411	L40X4	1.132	2.786444	8	22.2931552
BL4	412	L40X4	0.617	1.5188689	8	12.1509512
BL4	413	L40X4	0.545	1.3416265	20	26.83253
BL4	414	L50X5	2.293	8.8094767	4	35.2379068
BL4	415	L50X5	1.59	6.108621	4	24.434484
BL4	L401	L50X5	1.995	7.6645905	1	7.6645905
BL4	S401	L50X5	1.519	5.8358461	3	17.5075383
BL4	S402	L50X5	1.7	6.53123	3	19.59369
BL4	S403	L50X5	1.986	7.6300134	3	22.8900402
BL4	L402	L50X5	1.986	7.6300134	1	7.6300134
BL4	L403	L50X5	1.986	7.6300134	1	7.6300134
BL4	S4	L50X5	1.387	5.3287153	4	21.3148612
BL4	S44	L50X5	0.61	2.343559	2	4.687118
BL4	S41	L50X5	0.62	2.381978	2	4.763956
BL4	S43	L50X5	0.467	1.7941673	4	7.1766692
BL4	P41	PL300*200*10	1	4.8513	4	19.4052
BL4	P42	PL300*200*10	1	4.8513	4	19.4052
BL4	P43	PL300*200*10	1	4.8513	4	19.4052
BL4	M4	L70X6	0.42	2.729706	4	10.918824
BL4	P4	PL420*80*10	1	2.7192	8	21.7536
BL4	Bolt Set	M16-60	1	0.16274	64	10.41536
BL4	Bolt Set	M12-40	1	0.06798	372	25.2856
BL4	Washer	PL100X40X8	1	0.2575	20	5.15
BL4	MESH	HEVY MESH	5.1	57.783	1	57.783
BL4	WASHER		1	0.008446	436	3.682456
				TOTAL WEIGHT		938.12 Kg



AFGHAN TELECOM
APPROVAL DRAWING
FOR TOWER TYPE 40-160-EPA10(AK1-40m)
PANEL 4
SULTAN MYSOOM
DAKSAZAN KALAN CO.
DAKSAZAN DMS NO
SCALE: 1:500
DATE: 10/10/20

G

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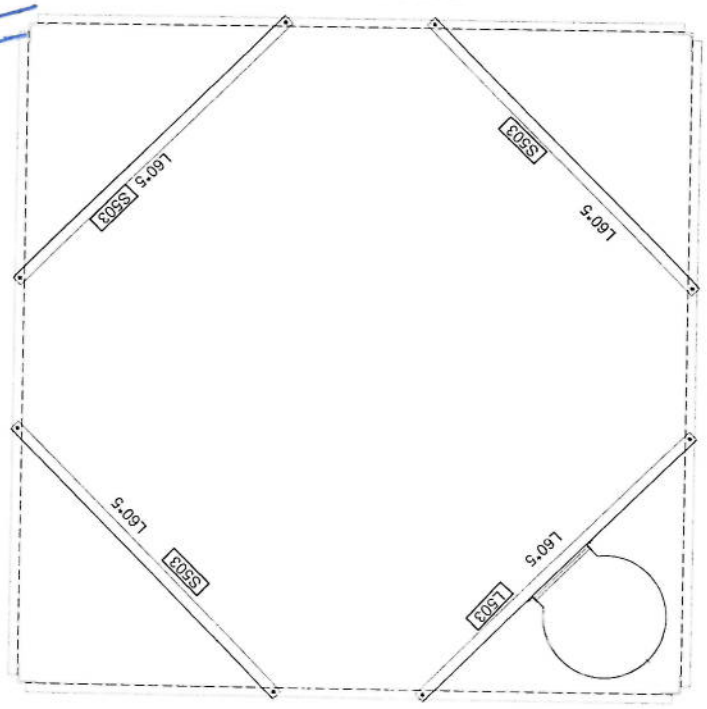
D

C

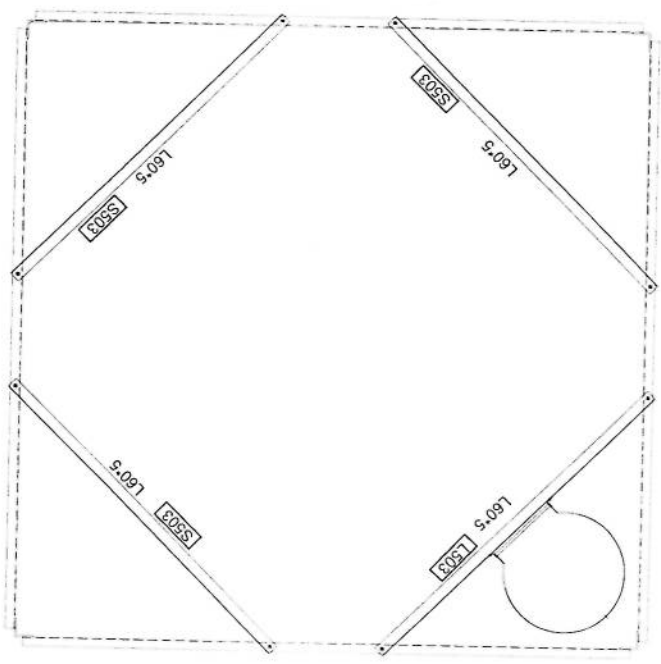
B

A

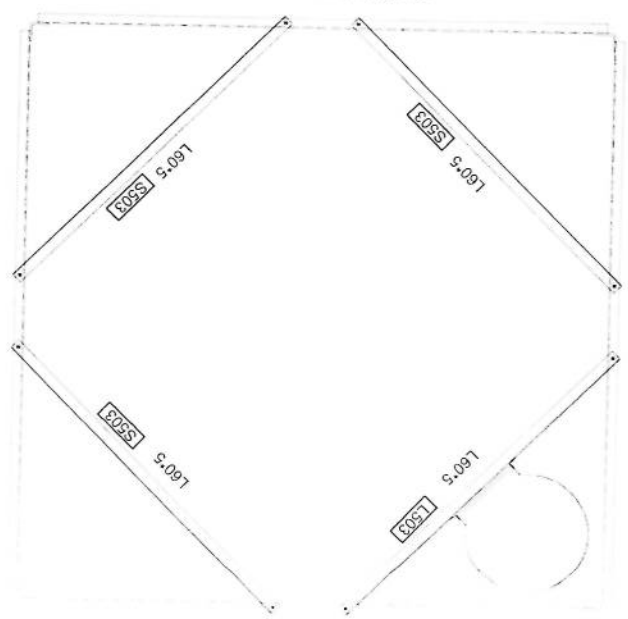
SECTION 13-13



SECTION 12-12

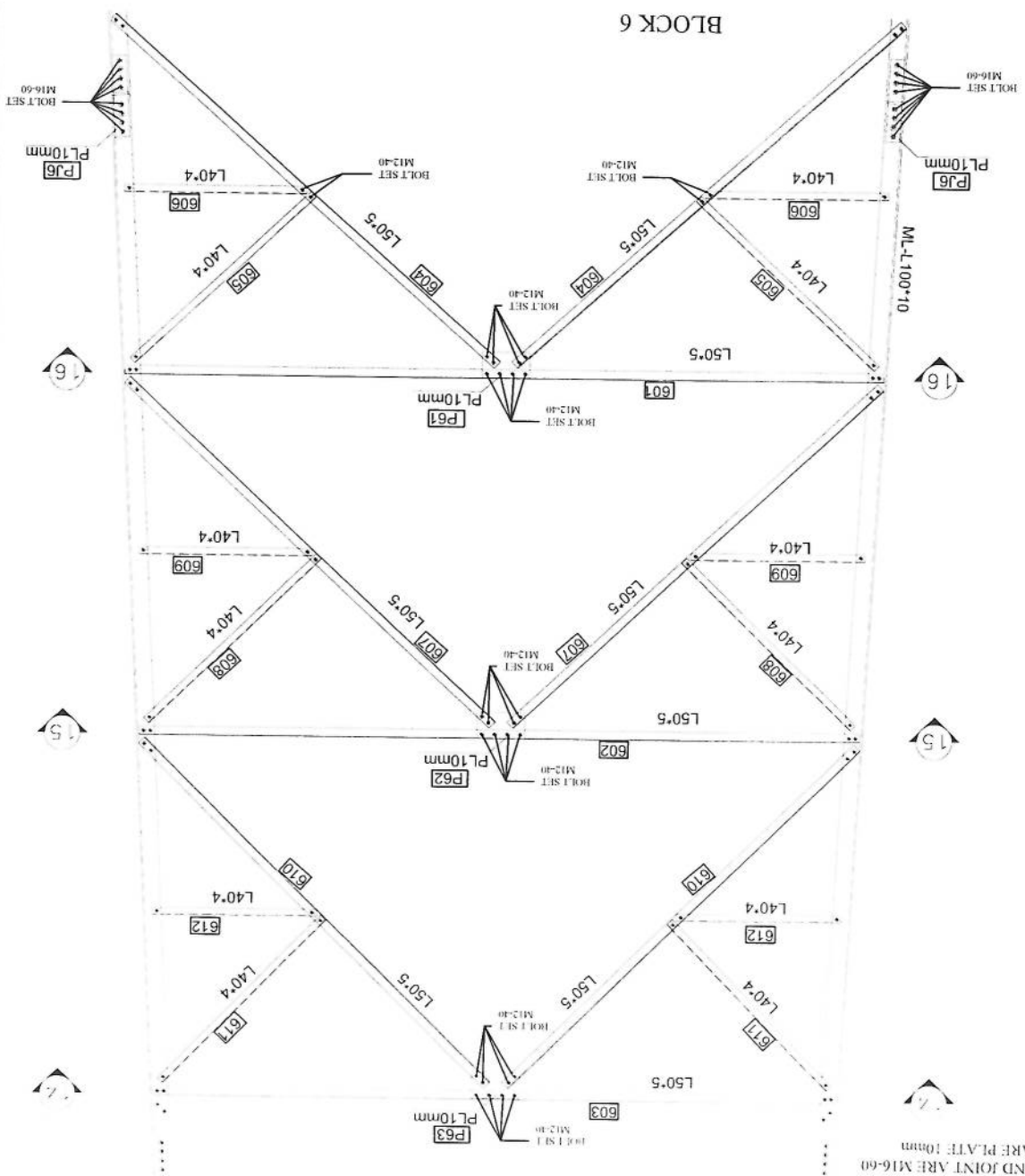
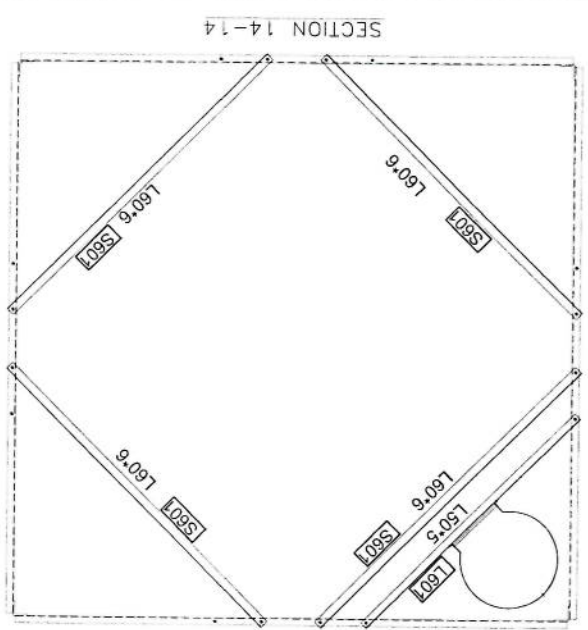


SECTION 11-11



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DATE: 01/07/20		DRAWN: SK		DESIGN: SK		CHECK: SK		APPROVAL: SK	
PROJECT: DARULAZAN KALAN CO		CONTRACTOR: SULTAN MANSOOR		FOR TOWER TYPE 40-160-EPA10(AK1-40m)		PANEL 4		APPROVAL: AFGHAN TELECOM	
DESIGN: SK		CHECK: SK		APPROVAL: SK		DATE: 01/07/20		DRAWN: SK	

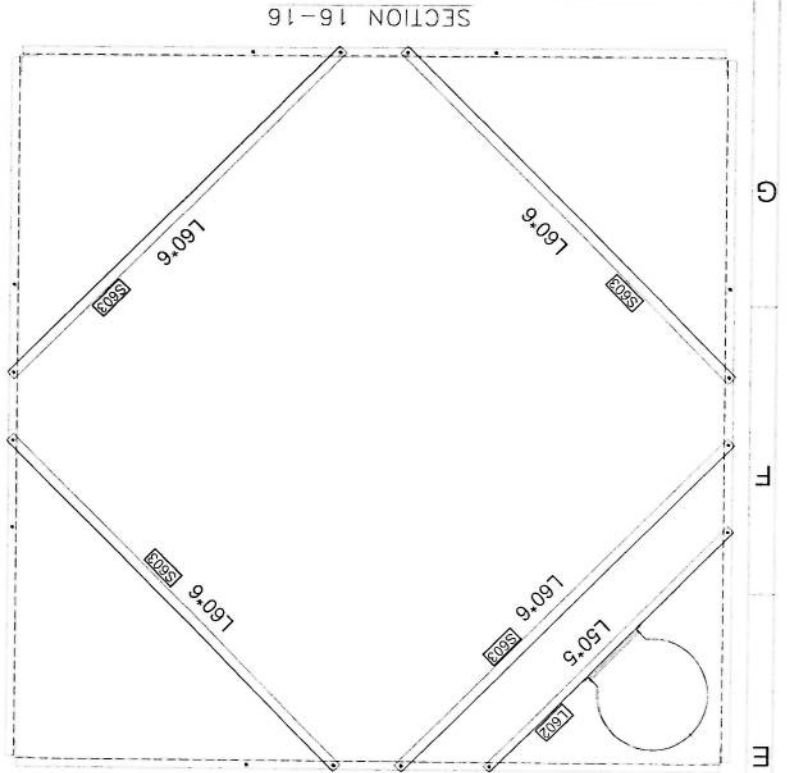
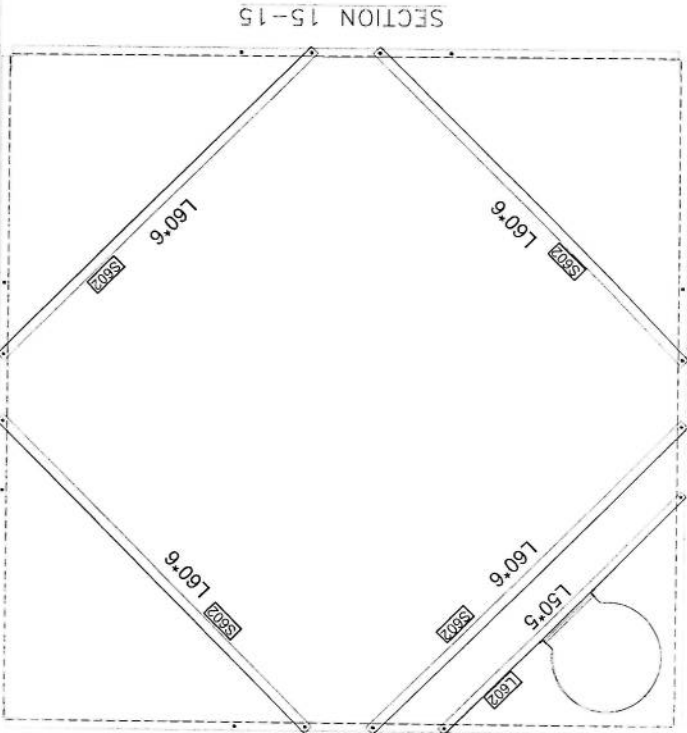


NOTE:
1 ALL BOLT SET IN BRACING ARE M12-40
2 ALL BOLT SET IN MAIN LEGS AND JOINT ARE M16-60
3 ALL PLATE AND JOINT PLATE ARE PLATE 10mm

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

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BL6	ML6	L100X10	6.005	92.282438	4	369.129752
BL6	601	L50X5	4.205	16.1551895	4	64.620758
BL6	602	L50X5	3.999	15.3637581	4	61.4550324
BL6	603	L50X5	3.793	14.5723267	4	58.2893068
BL6	604	L50X5	2.856	10.9724664	8	87.7797312
BL6	605	L40X4	1.342	3.3036014	8	26.4288112
BL6	606	L40X4	0.954	2.3484618	8	18.7876944
BL6	607	L50X5	2.781	10.6843239	8	85.4745912
BL6	608	L40X4	1.306	3.2149802	8	25.7198416
BL6	609	L40X4	0.906	2.2303002	8	17.8424016
BL6	610	L50X5	2.708	10.4038652	8	83.2309216
BL6	611	L40X4	1.271	3.1288207	8	25.0305656
BL6	612	L40X4	0.858	2.1121386	8	16.8971088
BL6	L601	L50X5	2	7.6838	1	7.6838
BL6	L602	L50X5	1.999	7.6799581	2	15.3599162
BL6	S601	L60X6	2.434	13.4626974	4	53.8507896
BL6	S602	L60X6	2.578	14.2591758	4	57.0367032
BL6	S603	L60X6	2.724	15.0667164	4	60.2668656
BL6	P61	PL300*200*10	1	4.8513	4	19.4052
BL6	P62	PL300*200*10	1	4.8513	4	19.4052
BL6	P63	PL300*200*10	1	4.8513	4	19.4052
BL6	PJ6	PL420*90*10	1	3.0591	8	24.4728
BL6	MJ6	L80X7	0.42	3.638166	4	14.552664
BL6	Bolt Set	M16-60	1	0.16274	64	10.41536
BL6	Bolt Set	M12-40	1	0.06798	318	21.61764
BL6	Washer		1	0.008446	382	3.226372
				WEIGHT	Qty	Total Weight
						1267.39 Kg



APPROVAL DRAWING
FOR TOWER TYPE 40-160-CPA10(AK-40m)
PANEL 4
SUTUN MÜSÖM
DAKASIZAN
KALAN CO.
DESIGN AND MANUFACTURE
SK
05.05.20

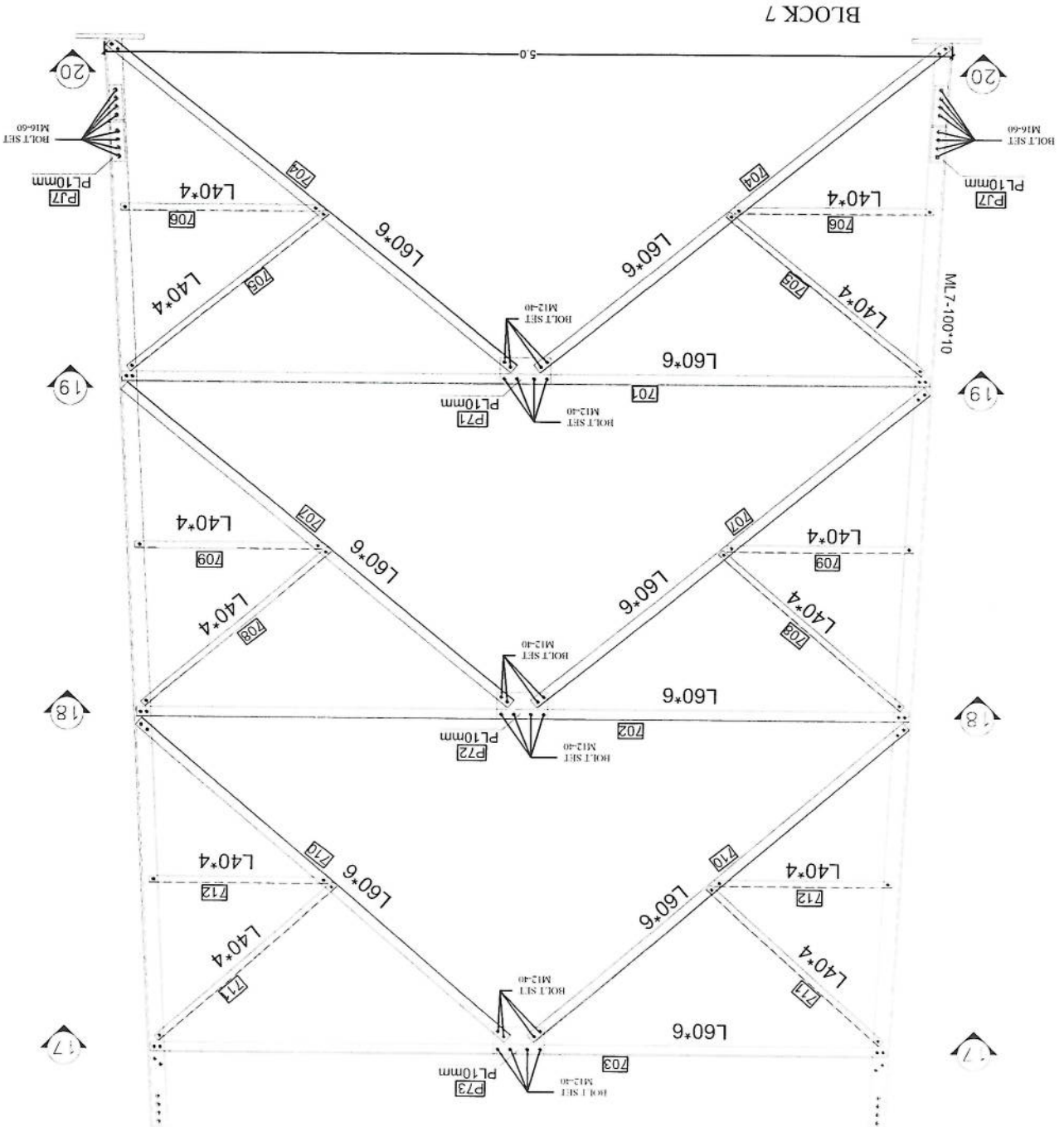
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DATE	1 OF 20	0
REV	SH	TOTAL
DESIGN STAGE	DETAIL DESIGN	SCALE
DESIGN AND MANUFACTURE	DAKASAZAN KALAN CO.	DAKASAZAN BMO NO.
CONTRACTOR	SULTAN MANSOOR	DESIGN AND MANUFACTURE
CLIENT	AFGHAN TELECOM	APPROVAL DRAWING
FOR TOWER TYPE	40-160-EPA10(AK1-40m)	PANEL 4
APPROVAL	DATE	DATE
DESIGN	CHECK	DATE
APPROVAL	DATE	DATE

PROFILES GRADE LEGEND

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

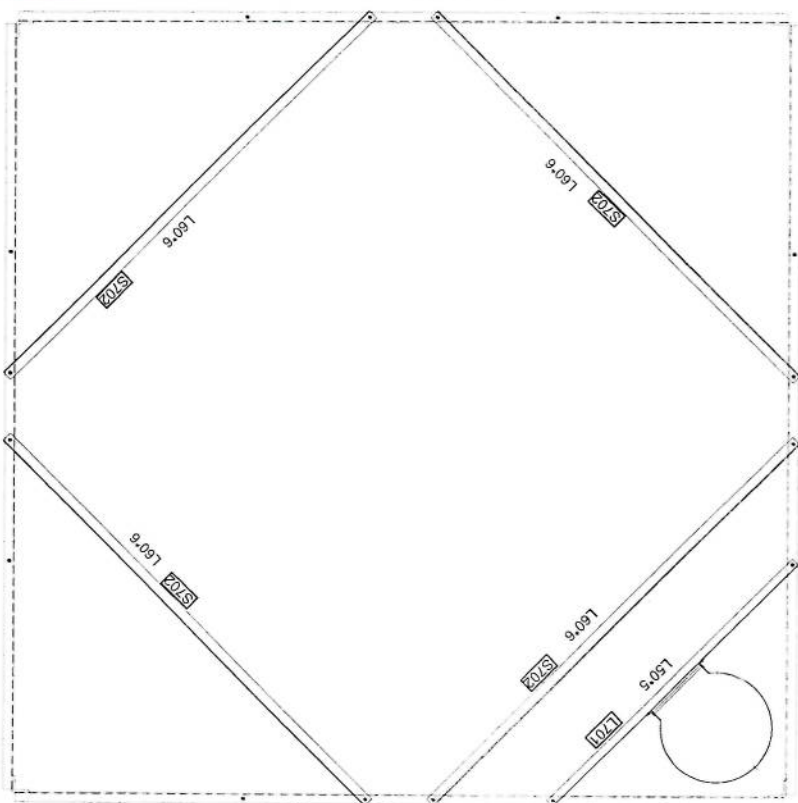
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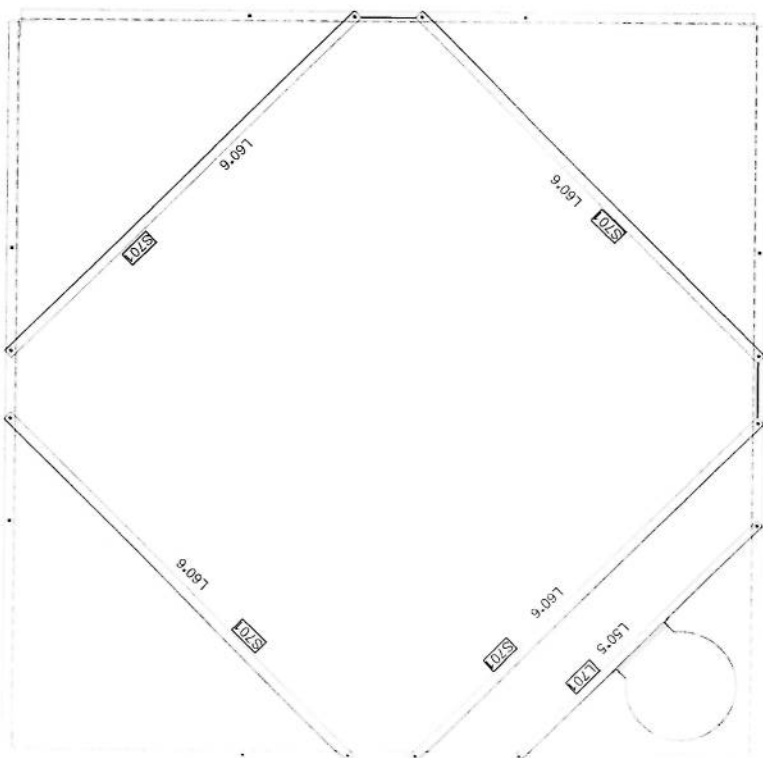
NOTE:
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3. ALL PLATE AND JOINT PLATE ARE PLATE 10mm



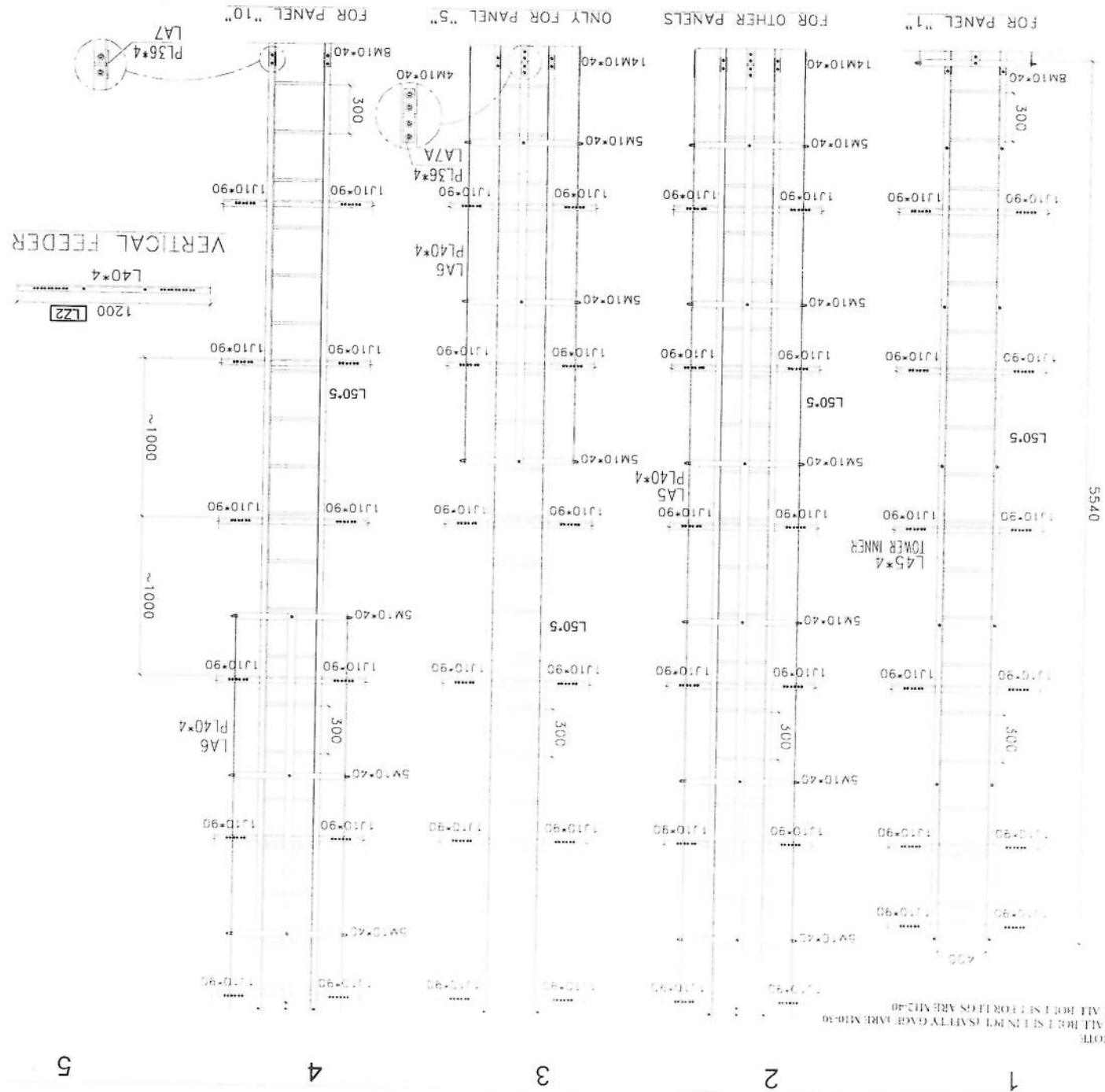
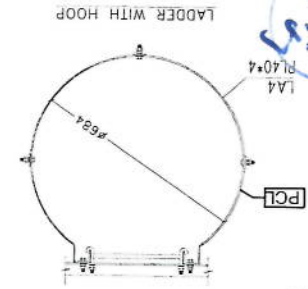
SECTION 18-18



SECTION 17-17



Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
Ladder	PCL	PL40X4	1.875	2.43375	29	70.567875
Ladder	PL6	PL40X4	5.868	7.6154904	3	22.8464712
Ladder	PL4	PL40X4	5.996	7.7816088	3	23.3448264
Ladder	PL3	PL40X4	5.603	7.2715734	3	16.2277912
Ladder	PL2	PL40X4	1.448	1.8792144	3	5.6376432
Ladder	PL1	PL40X4	4.05	5.25609	3	15.6376432
Ladder	LL7	L50X5	5.995	23.0321905	2	46.064381
Ladder	LL6	L50X5	5.995	23.0321905	2	46.064381
Ladder	LL5	L50X5	5.995	23.0321905	2	46.064381
Ladder	LL4	L50X5	5.997	23.0398743	2	46.0797486
Ladder	LL3	L50X5	5.997	23.0398743	2	46.0797486
Ladder	LL2	L50X5	2.998	11.5180162	2	23.0360324
Ladder	LL1	L50X5	6.048	23.2358112	2	46.4716224
Ladder	LZ7	L40X4	0.57	2.189883	2	4.379766
Ladder	JPP	PL184*40*8	0.5	0.8137	134	109.0358
Ladder	JPL	PL105*40*8	1	0.4738	9	4.2642
Ladder	LZ2	L40X4	1	0.2678	24	6.4272
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
					234	1.976364
						740.09 Kg



SCALE: 1:100

DATE: 7/07A

DESIGN STAGE: DESIGN

DESIGNER: DAKHSAZAN

RAIAN CO.

DESIGN AND MANUFACTURE

CONTRACTOR: SUTUN MYSOOM

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

PANEL 4

AFGHAN TELECOM

APPROVAL: [Signature]

DATE: 7/07A

DESIGNER: DAKHSAZAN

RAIAN CO.

DESIGN AND MANUFACTURE

CONTRACTOR: SUTUN MYSOOM

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

PANEL 4

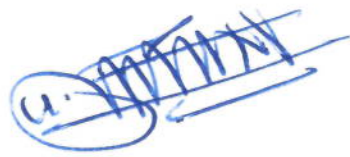
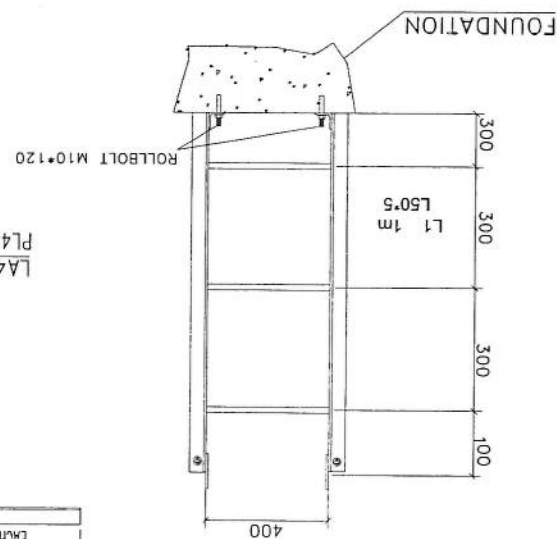
AFGHAN TELECOM

APPROVAL: [Signature]

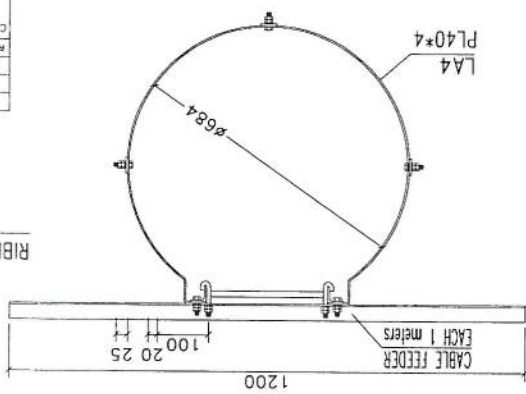
DATE: 7/07A

G
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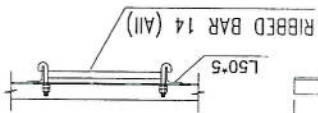
INSTALL BOTTOM PART OF LADDERS



LADDER WITH HOOP



LADDER WITHOUT HOOP

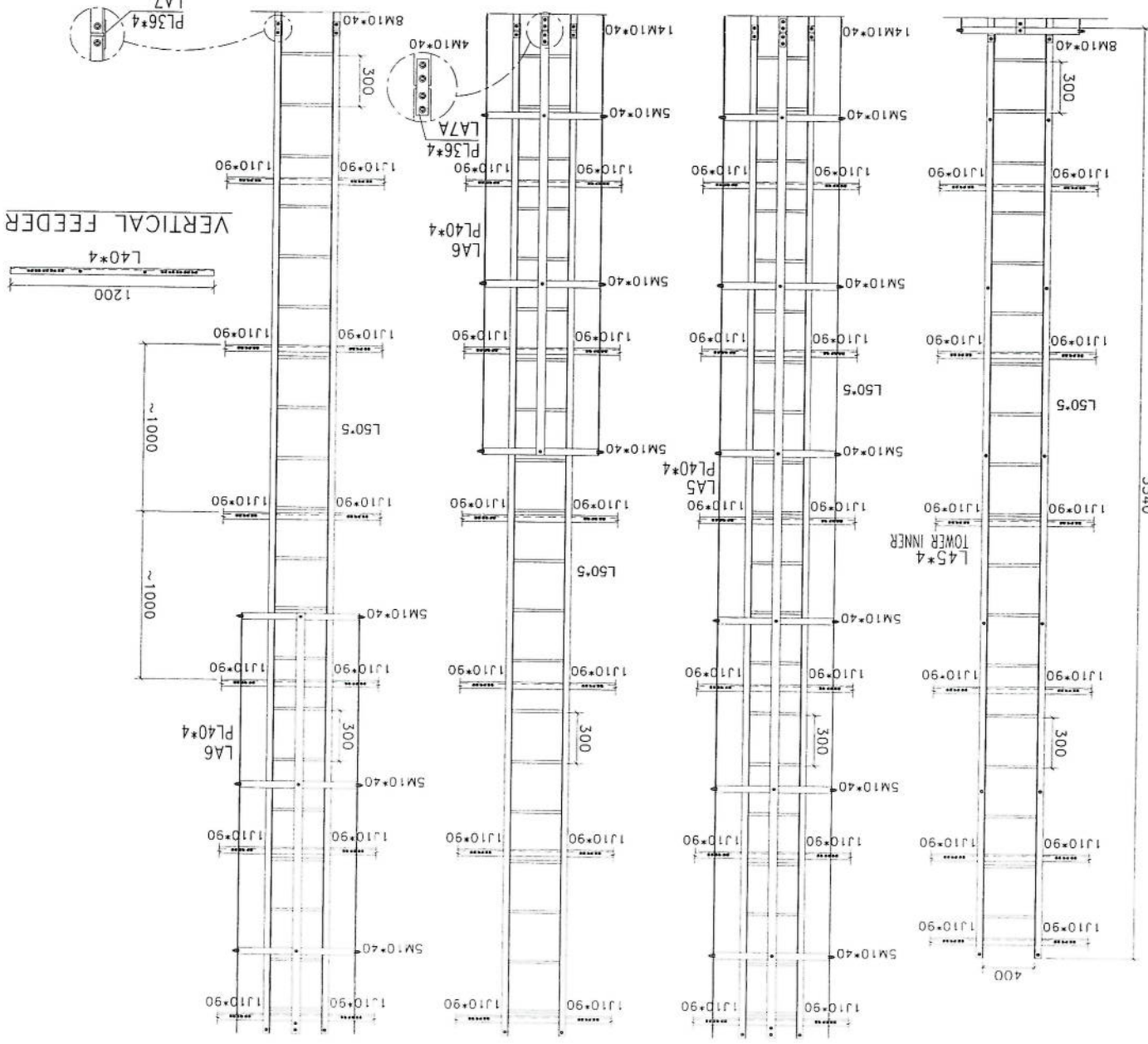


FOR PANEL "10"

ONLY FOR PANEL "5"

FOR OTHER PANELS

FOR PANEL "1"

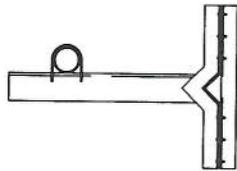
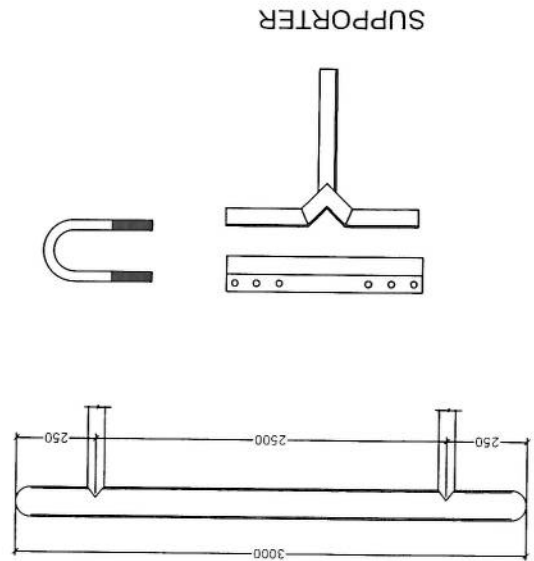


SCALE:	FORMAT: A1	DESIGN STAGE: DETAIL DESIGN	REV: 0	1 OF: 20
CONTRACTOR:	DAKATSAZAN KALAN CO.	DESIGN AND MANUFACTURER:	DAKATSAZAN KALAN CO.	
TITLE:	APPROVAL DRAWING	FOR TOWER TYPE 40-160-EPA10(AK1-40m)	PANEL 4	
CLIENT:	AFGHAN TELECOM			
REV:	DESCRIPTION	DESIGN	CHECK	DATE
1	FIRST ISSUE	ACM	WALID	02/01/2010
2		DESIGN	WALID	02/01/2010
3		DESIGN	WALID	02/01/2010
4		DESIGN	WALID	02/01/2010
5		DESIGN	WALID	02/01/2010

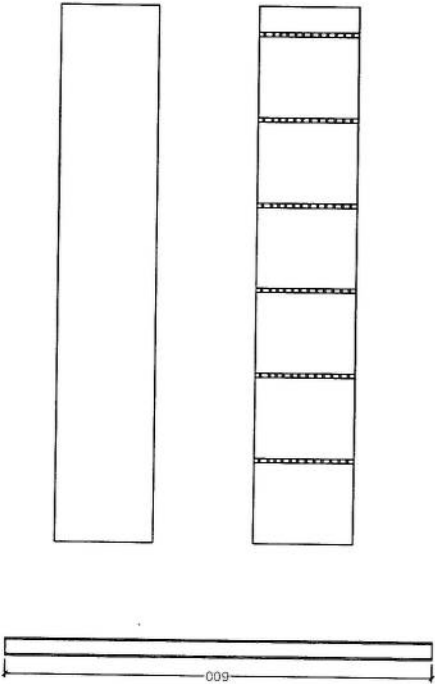
REV.	0	1 OF 20
DAKATSAZAN DWG. NO.:		
SCALE:	FORMAT: A1	DESIGN STAGE: DETAIL DESIGN
 DAKATSAZAN KALAN CO.		
DESIGN AND MANUFACTURER		
 SULTAN MYSOOM		
CONTRACTOR		
APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m) PANEL 4		
AFGHAN TELECOM		
CUSTOMER:	AFGHAN TELECOM	
REV.	1	1 OF 20
DESCRIPTION	APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40m) PANEL 4	
DATE	APP.	VER.

[Handwritten signature]

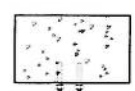
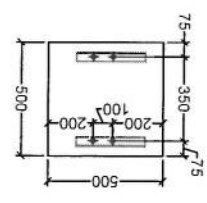
Sr.No	Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
1	SUPPORT		(60X3) MM PIPE	3	13.0398	3	39.1194
2	SUPPORT		(60X3) MM PIPE		2.60796	2	5.21592
3	ANGLE	SL 1	L60X6		3.31866	3	9.95598
4	ANGLE	ANG	L60X6		2.488995	20	49.7799
5	ANGLE	ANG	L60X6		2.76555	5	13.82775
6	PIPE	PIPE	(27X2.6) MM PIPE	1.6	3.98816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



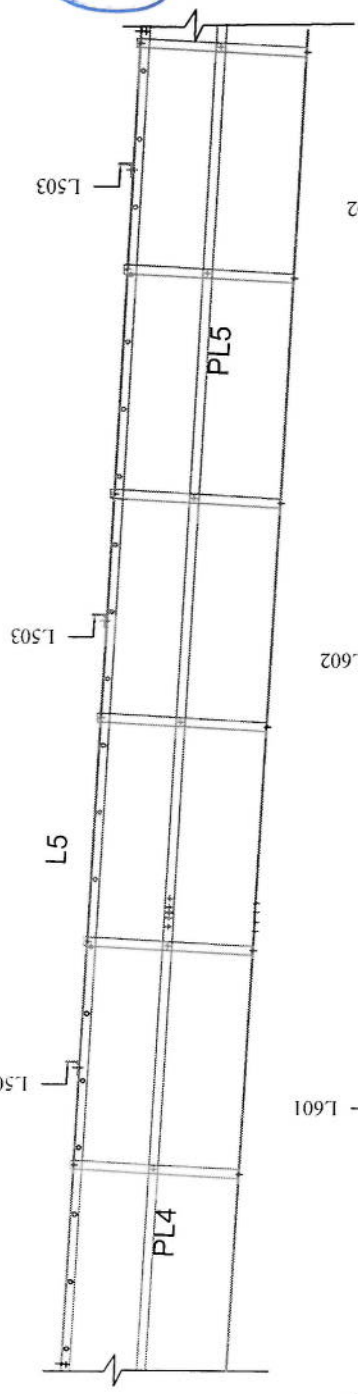
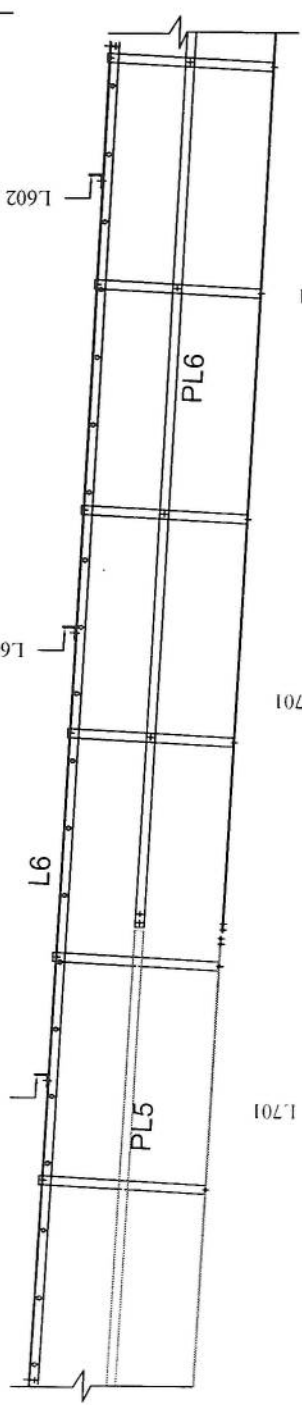
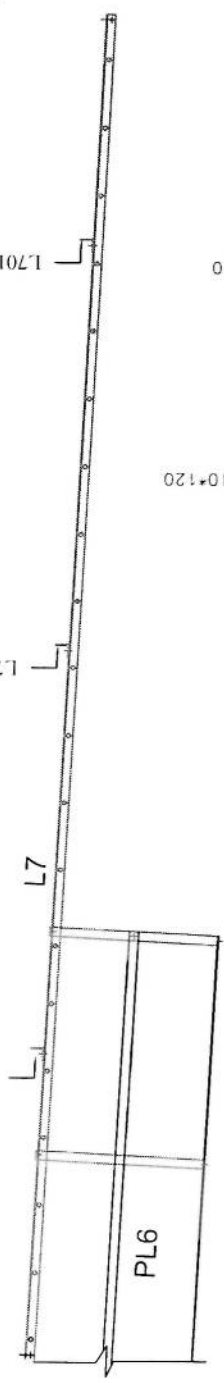
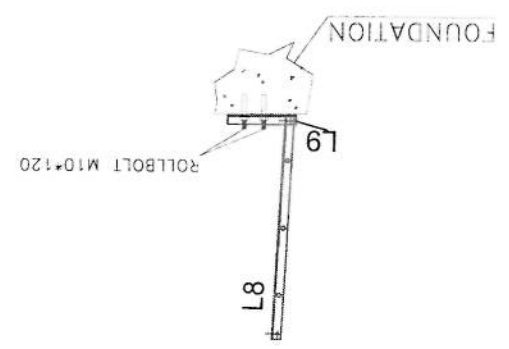
CABLE TRAY



A B C D E F G



ROLLBOLT M10*120



[Handwritten signature]

AFGHAN TELECOM		DESIGN AND MANUFACTURE	
FOR TOWER TYPE 40-160-EPA10(AK1-40m)		PANEL 4	
APPROVAL DRAWING		DRAWING NO.	
DAKALSAZAN KALAN CO.		DESIGN NO.	
SK		DATE	
01/01/20		01/01/20	

A B C D F F G

01

01-20

DAKATASAZAN BMS NO.

REV. 1

01/10/14

SCALE

FORMAT: A1

DESIGN: 1/10/14

DATE: 01/10/14





DAKATASAZAN
KALAN CO.

DESIGN AND MANUFACTURE

DAKATASAZAN
KALAN CO.

CONTRACTOR

DAKATASAZAN
KALAN CO.

APPROVAL DRAWING

FOR TOWER TYPE 40-160-LPA10(AK1-40m)

PANEL 4

AFGHAN TELECOM



CLIENT

AFGHAN TELECOM

REVISION

NO.

DATE

DESIGN

DATE

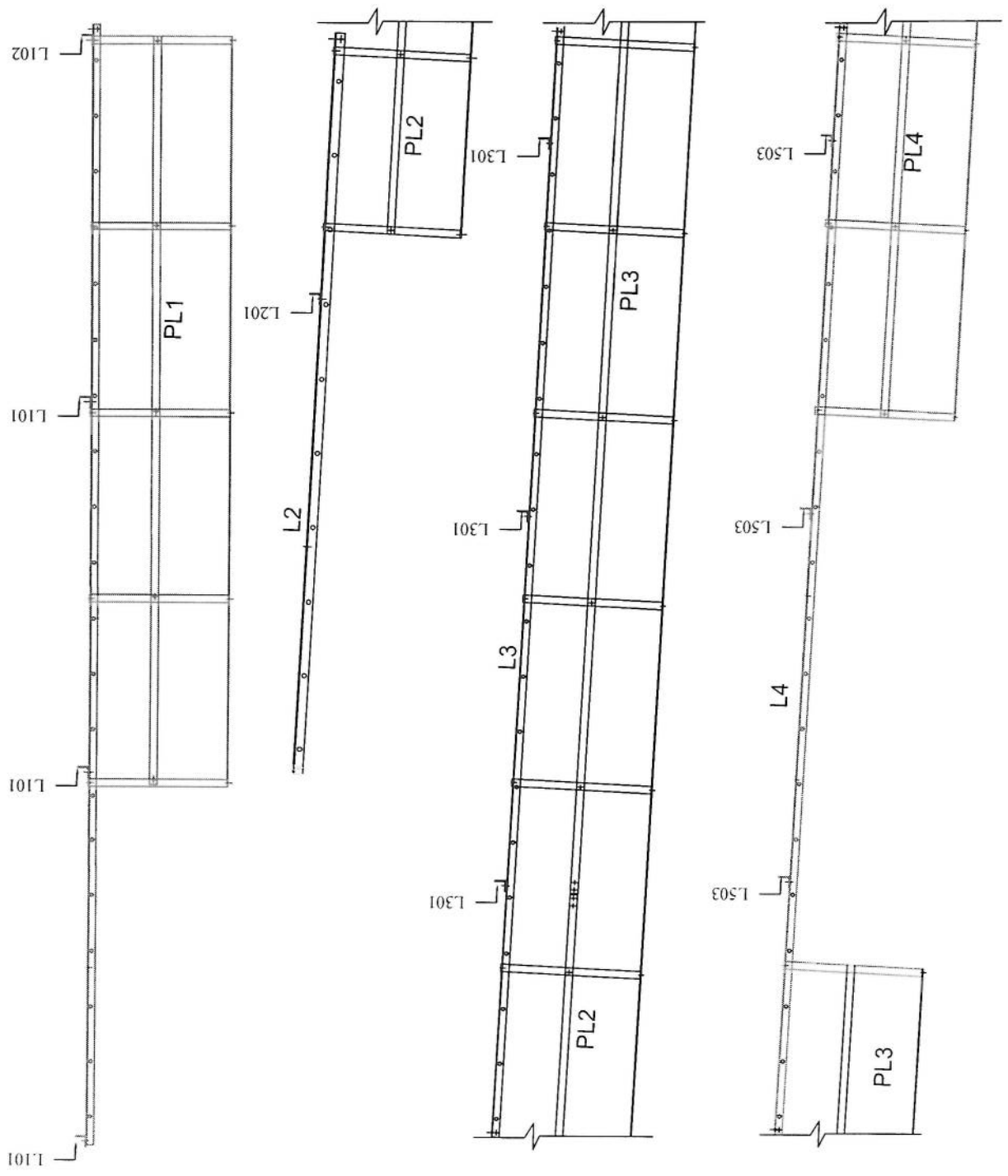
BY

CHK

APP

DATE

[Handwritten signature]



Technical drawing of a structural connection. The drawing shows a vertical plate (PL 8mm) and a horizontal plate (PL 8mm) connected by a diagonal plate (PL 8mm). The diagonal plate is labeled "PL WELD TO ANGLE". The vertical plate has four circular holes. The horizontal plate has two circular holes. The diagonal plate has two circular holes. The drawing is labeled with "PL 8mm" and "PL WELD TO ANGLE". A dimension of "25" is shown at the top left.

Diagram illustrating a square room layout with dimensions and labels:

- Overall dimensions: 5264 (width) by 5264 (height).
- Internal dimensions (from the walls): 4834 (width) and 4604 (height).
- Diagonal dimension: 6511.
- Labels: "BACK TO BACK 5000" (top and bottom), "BACK TO BACK 5000" (left and right).

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BASE	B5	PL 420x420x25	1	35.6586	4	142.6344
BASE	S1F	PL 250*189*8	1	3.0591	2	6.1182
BASE	S1F	PL250*130*8	0.5	2.1012	2	4.2024
BASE	ANGLE	L100X10	0.25	7.8638	4	30.7352
BASE	ANGLE	L100X10	0.25	3.8419	4	15.3676
BASE	ANCHOR BOLL	Φ 30	1.1	6.28815	32	201.2208
BASE	TEMPPLATE	NUT30	1	6.4684	128	25.8736
BASE	NUT30	NUT30	1	0.309	128	39.5552
BASE	Cable Tray	G1 SHEET 1.8 mm	1	58.71	1	58.71
BASE						
						524.41KG

5

4

3

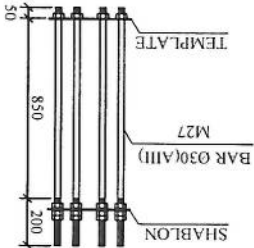
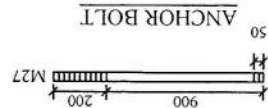
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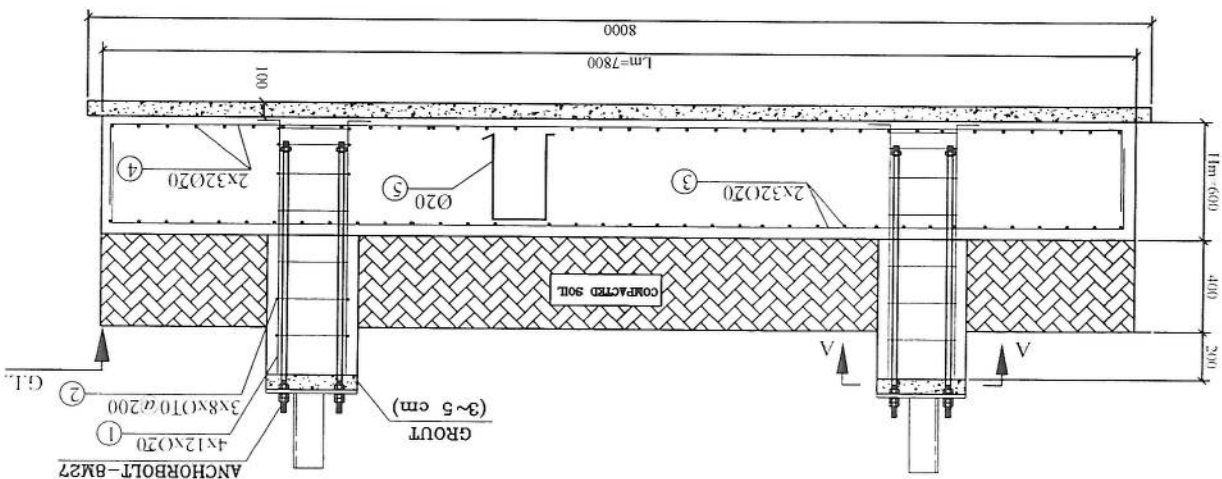
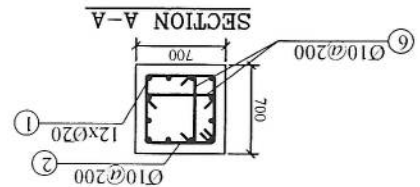
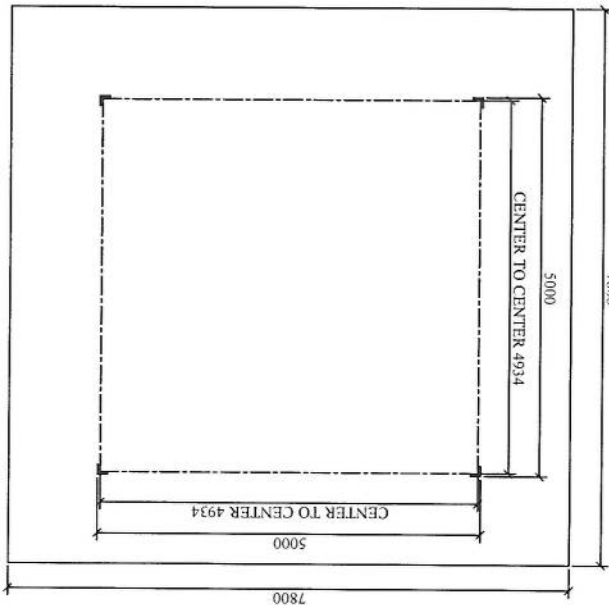
POS.	BENDING DIAGRAM	#	NO.	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	CON. VOL.	TOTAL WEIGHT (kg)
1	105	20	12*4	1.35	64.8	2.47	160	36	1304		
2	L=240 550	10	6*4	2.40	57.6	0.617	36	36	1304		
3	765	20	32*2	8.25	528	2.47	1304	36	1304		
4	765	20	32*2	8.25	528	2.47	1304	36	1304		
5	30 45 130	20	58	1.80	104.4	2.47	258	36	1304		
6	10 55 110	10	48	0.75	36	0.617	22	36	1304		
CON. VOL. = 37.7m ³ TOTAL WEIGHT (kg) : 3084											

SOIL CHARAC.: ALLOWABLE BEARING=1.0~2.0 KG/CM² NORMAL
BAR BENDING SCHEDULE (TYPE AIII - FY=400KG/CM²)
TYPE 7

NOTE :
1. ALL DIMENSION ARE IN MM.
2. F_c=210 KG/CM² AFTER 28 DAYS ON CYLINDER SPEC.
3. GRADE OF BARS.
4. ALL FOR D<12mm
5. COVER ON BARS IS 75 mm.
6. THICKNESS OF LEAN CONCRETE 10cm.



FOUNDATION PLAN



REVISION RECORDS		تبدیلیات	
REVISION NO	تاریخ	DESCRIPTION	توضیحات

LEGEND:	PCC قند کمر بست
---------	--------------------

PROJECT TITLE / NO:	GSM SITES
	خطوط بی سیم

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

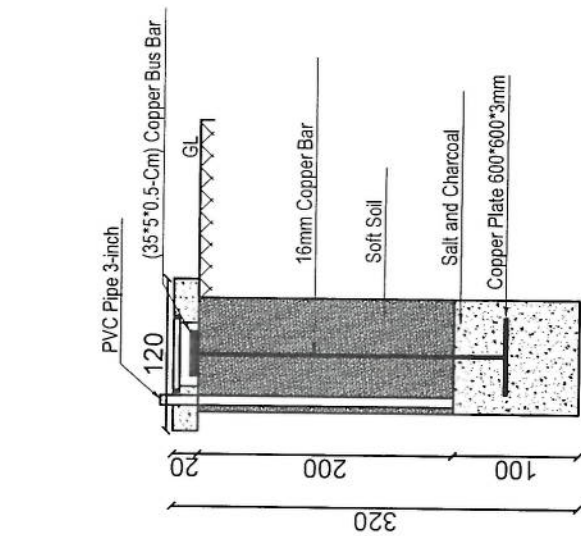
DRAWN BY:	CIVIL TEAM
CHECKED BY:	

APPROVED BY:	
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SCALE:	1:75
ACTUAL DATE:	10/05/2023
ISSUE DATE:	
DRG.NO:	23

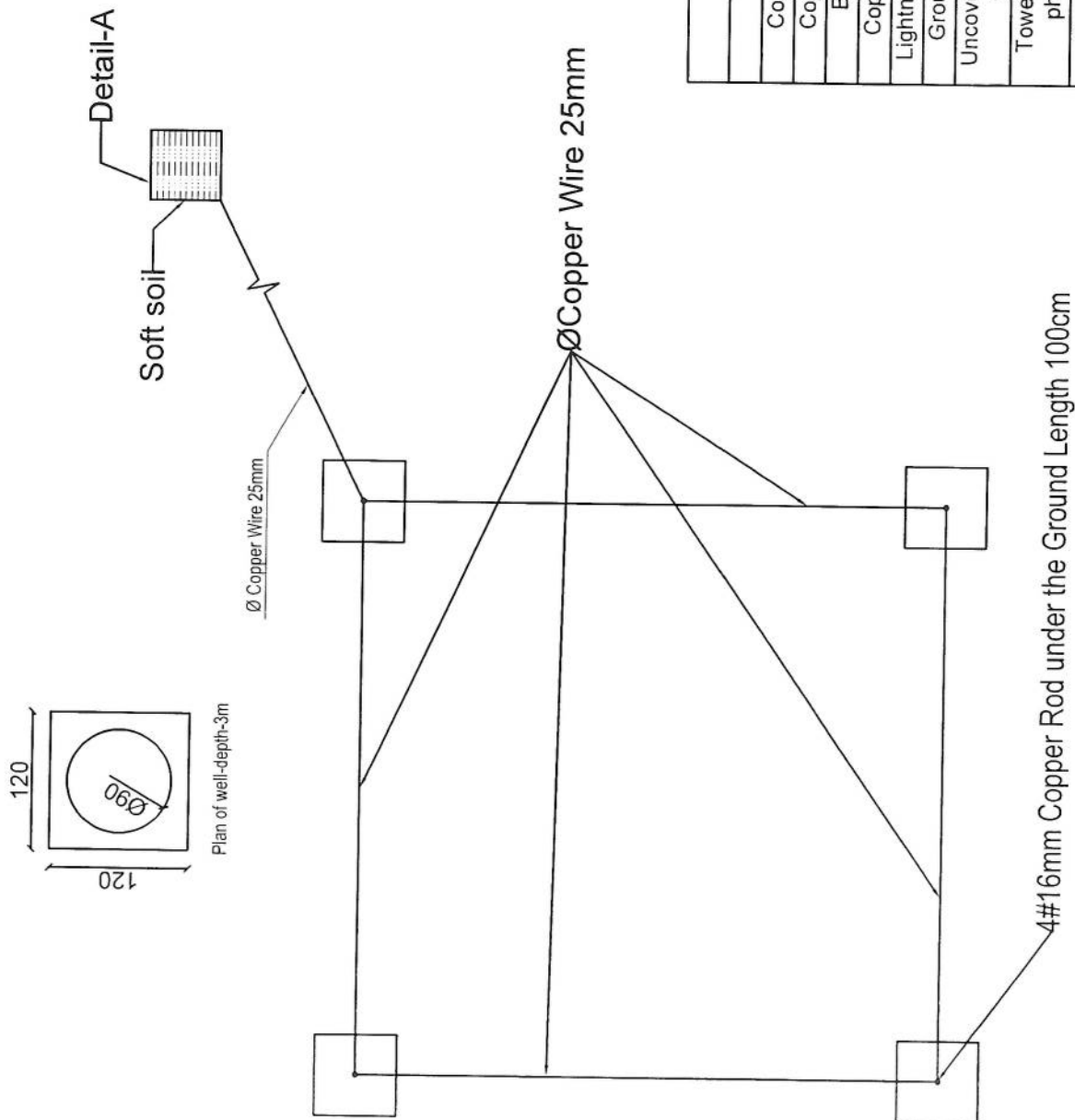
OWNER:	AFGHAN TELECOM

سلام	Salam Telecommunication Company
KABUL	AFGHANISTAN



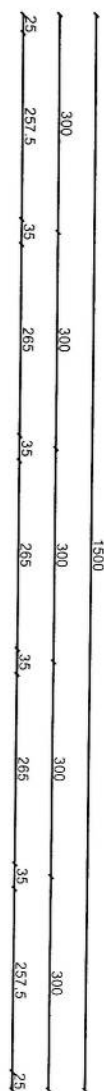
Detail-A
Well Section

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



[Signature]

25	257.5	35	222.5	50	320	50	222.5	35	257.5	25
----	-------	----	-------	----	-----	----	-------	----	-------	----



LEGEND:

	CASPER ROCK
	POC
	W1
	W2
	D1
	D2
	D3

Salsam Telecommunication Company

REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION

LEGEND:

	
STONE WAREHOUSE	BRICK BARN




PROJECT TITLE / NO:	GSM SITES

$\frac{1}{2} \log \frac{1}{2}$

DRAWING TITLE

WALL ELEVATIONS & DETAILS

[illegible]

DRAWN BY:
CIVIL TEAM

مختبر

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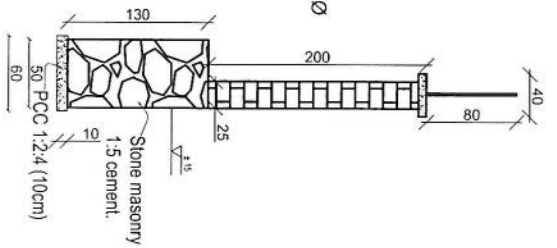
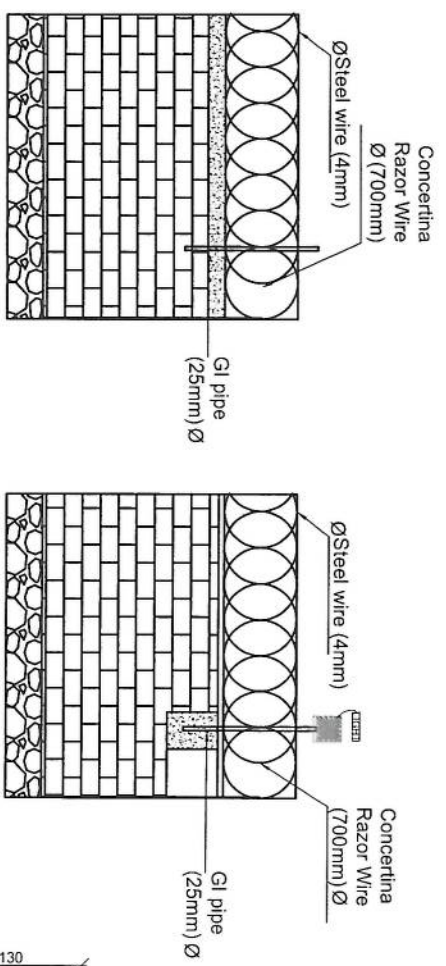
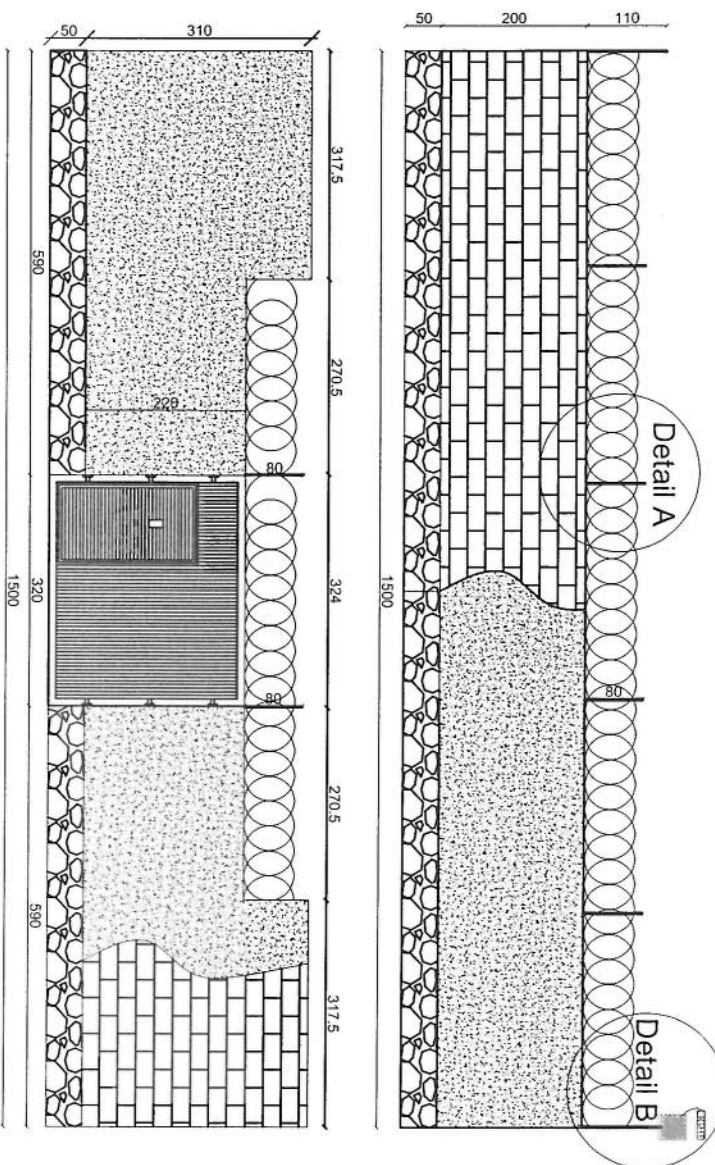
APPROVED BY: _____

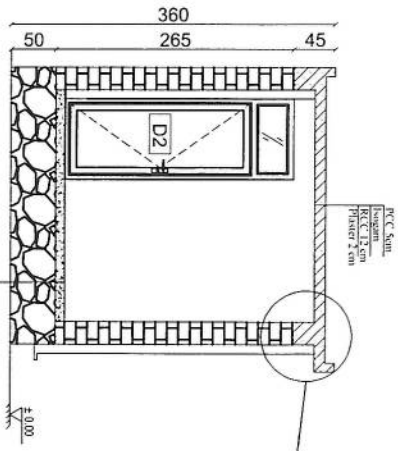
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ACTUAL DATE:	25/03/2026	DRG NO: 02

ISSUE DATE:	
OWNER:	AFGHAN TELECOM

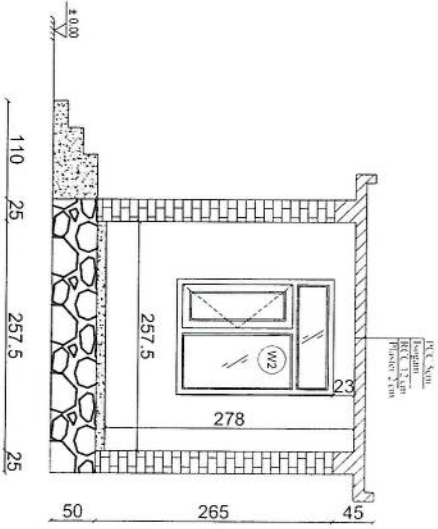
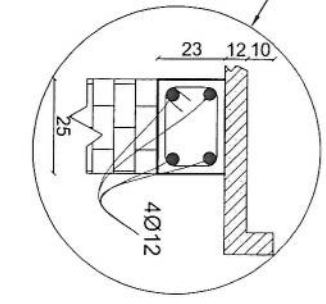
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Saham Telecommunication Company
K.A.B.U.L
A.I.G.H.A.T.I.S.T.A.N

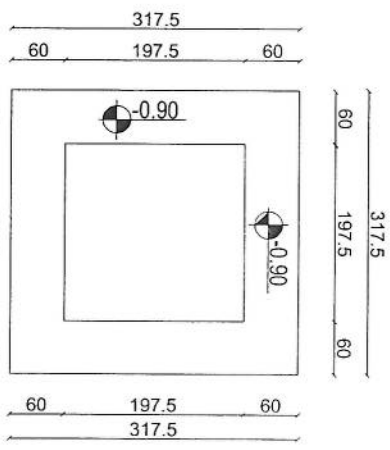
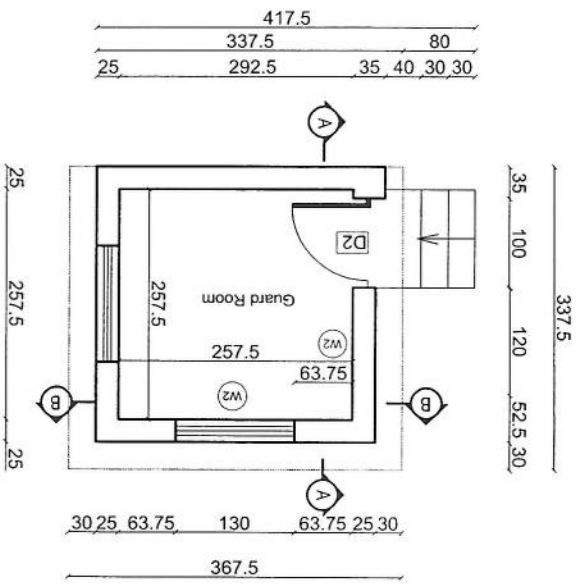




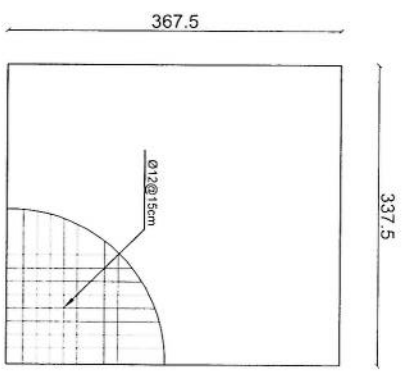
Section AA



Section B-B



Excavation of Foundation



Rebar details of GR roof

03 REF: A103

GUARD ROOM
SCALE: 1:75

REVISION RECORDS		
NO.	DATE	DESCRIPTION
1	25/03/2006	ISSUE FOR CONSTRUCTION

LEGEND	
STONE MASONRY	STONE MASONRY
CONCRETE	CONCRETE
GRAVEL	GRAVEL
COMPACTED SOIL	COMPACTED SOIL
REINFORCED CONCRETE	REINFORCED CONCRETE
W1	WINDOW
D1	DOOR
TO	TO

PROJECT TITLE / NO.

GSN SITES

DRAWING TITLE

GUARD ROOM

DRAWN BY:
CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE: 1:75

ACTUAL DATE: 25/03/2006
ISSUE DATE: DRG NO. 03

OWNER: AFOHAN TELECOM

Salman Telecommunication Company
KABUL - AFGHANISTAN

LEGEND

LEGEND:

STONE MASONRY














W1	W2	W3
W4	W5	W6
W7	W8	W9
W10	W11	W12
W13	W14	W15
W16	W17	W18
W19	W20	W21
W22	W23	W24
W25	W26	W27
W28	W29	W30
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W334	W335	W336
W337	W338	W339
W340	W3	

D2	2004 Year 2	100%
D3	2004 Year 3	100%

PROJECT TITLE / NO.	
---------------------	--

GSM SITES
مقامات GSM

DRAWING TITLE:

GENERATOR ROOM

10-10-2010

DRAWN BY: _____

Scale: _____

CIVIL TEAM

CHECKED BY:

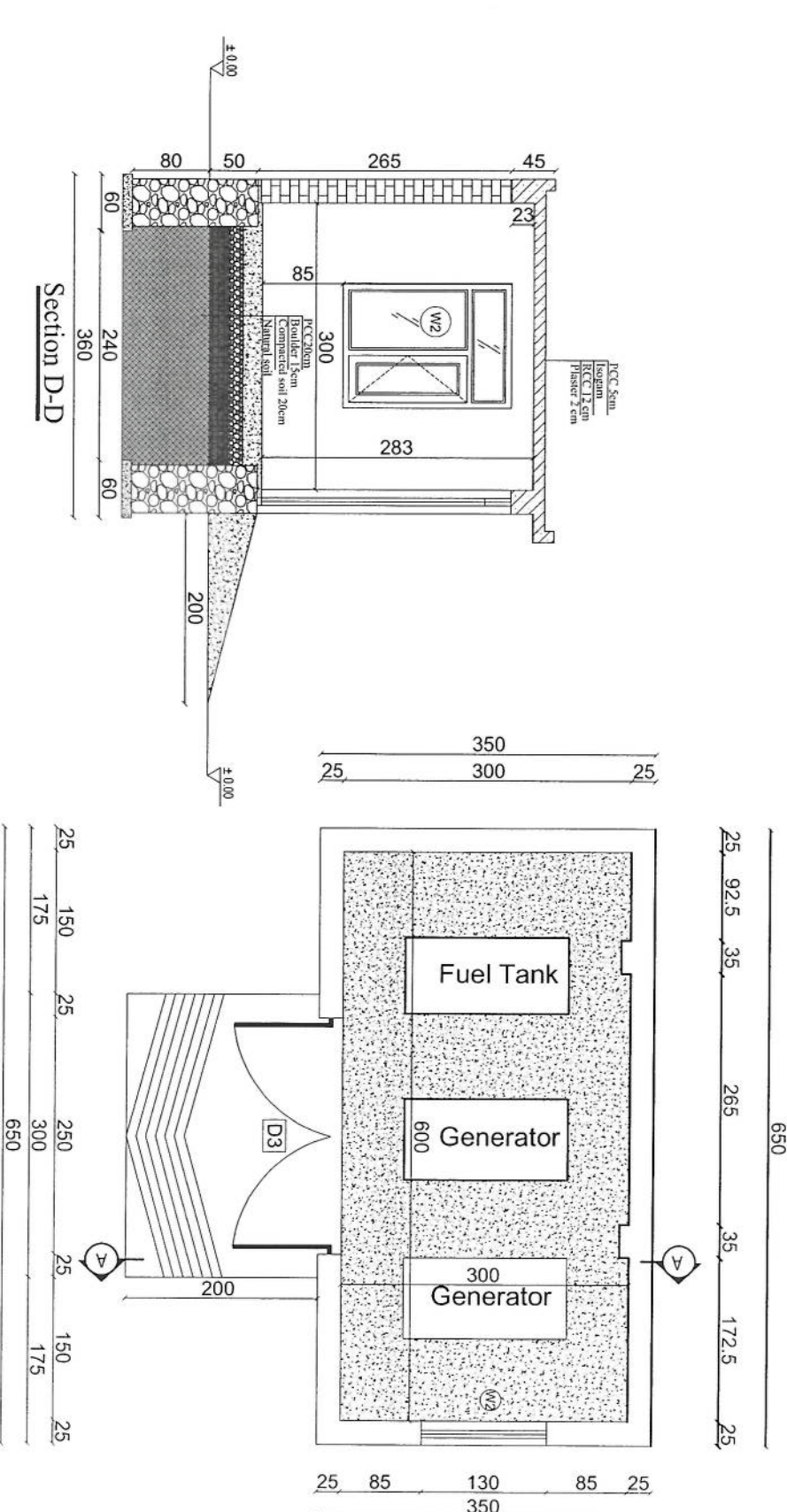
APPROVED BY _____
J. J. Wilson

SCALE:	1.75	1.75
ACTUAL DATE:		

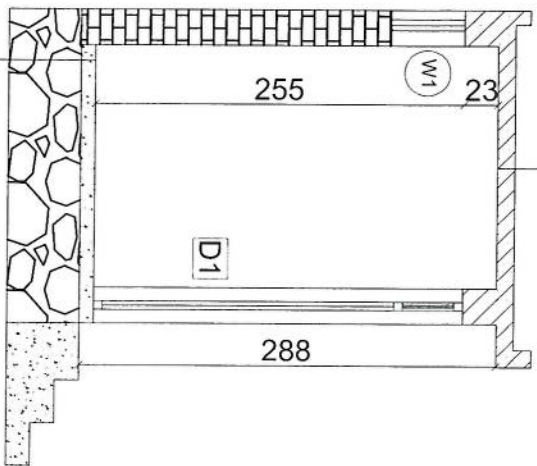
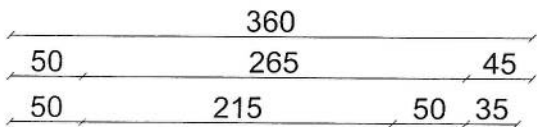
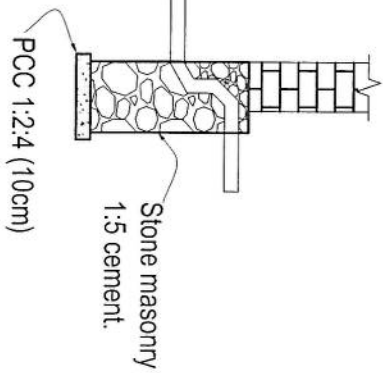
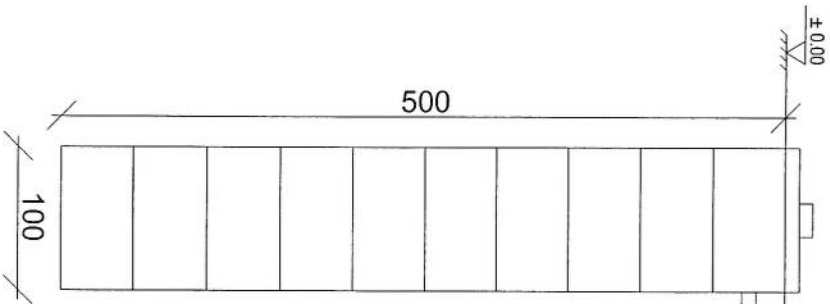
25 JUL 2020	
ISSUE DATE	DWG NO. 04
OWNER:	1938 St.

AFGHAN TELECOM

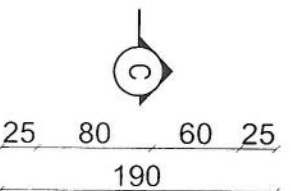
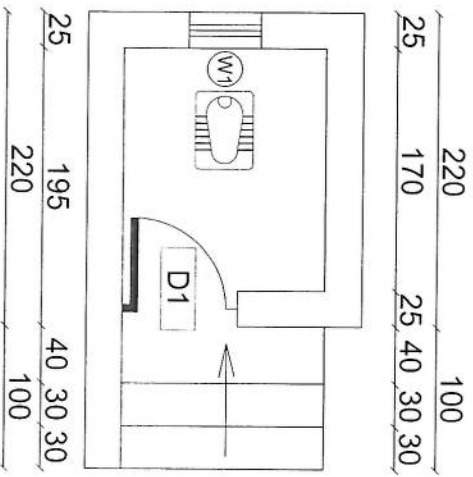
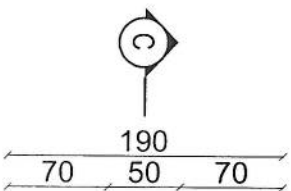
سابك
Sasim Telecommunication Company
KABUL
AFGHANISTAN



04 GENRATOR ROOM REF. A104 SCALE: 1:75



Well for toilet



Toilet

PCC 5cm
Isogram
RCC 12 cm
Plaster 2 cm

REVISION RECORDS	
NO	DATE
1	25/03/2028

LEGEND:

BRICK 230x115x65

STONE MASONRY 1:5

STONE MASONRY 1:5

STONE MASONRY 1:5

STONE MASONRY 1:5

STONE MASONRY 1:5

STONE MASONRY 1:5

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STONE MASONRY 1:5

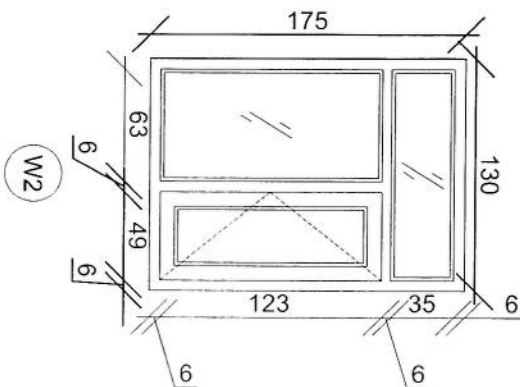
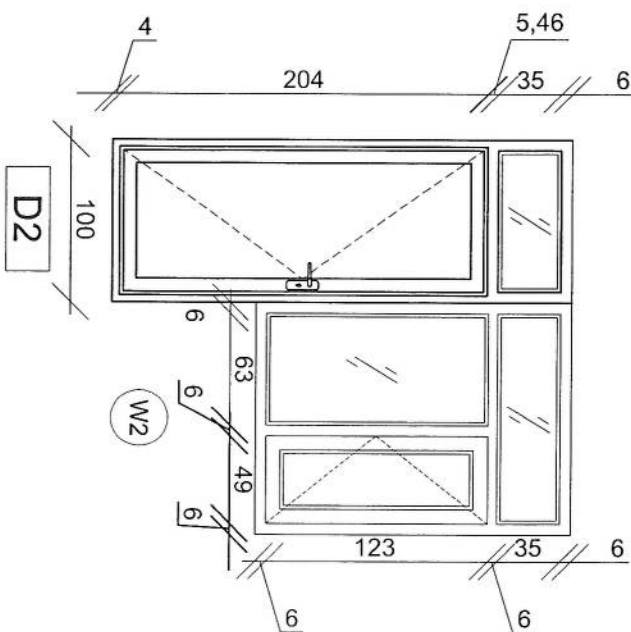
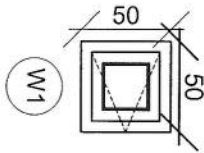
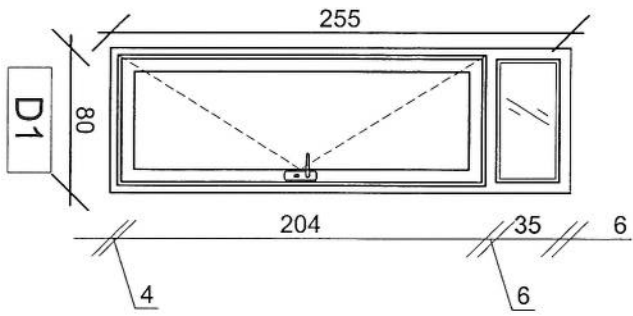
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STONE MASONRY 1:5

STONE MASONRY 1:5

STONE MASONRY 1:5

STONE MASONRY 1:5



06 REF. A106

DOORS & WINDOWS DETAILS

SCALE: 1:25

REVISION RECORDS

REVISION NO	DATE	DESCRIPTION

LEGEND

W1	WINDOWS W1
W2	WINDOWS W2
D1	DOOR W1
D2	DOOR W2

PROJECT TITLE / NO

GSM SITES

DRAWING TITLE

DOORS & WINDOWS DETAILS

DRAWN BY:
CIVIL TEAM

CHECKED BY:

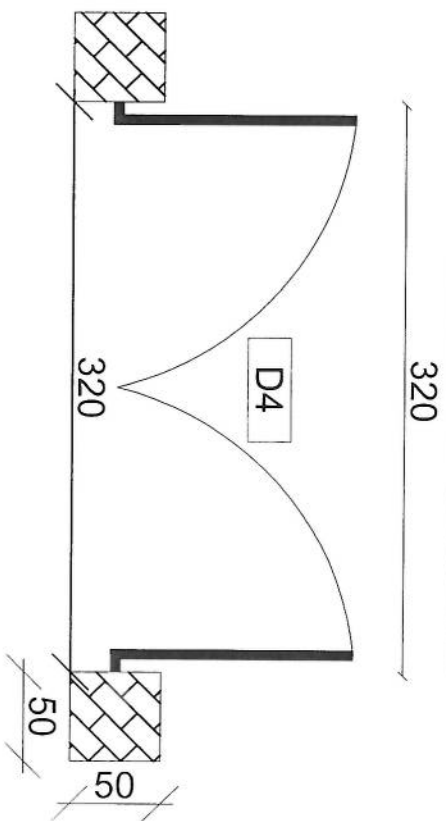
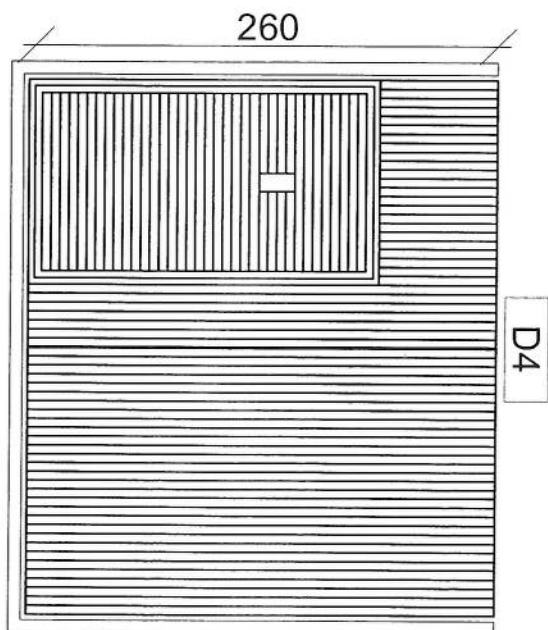
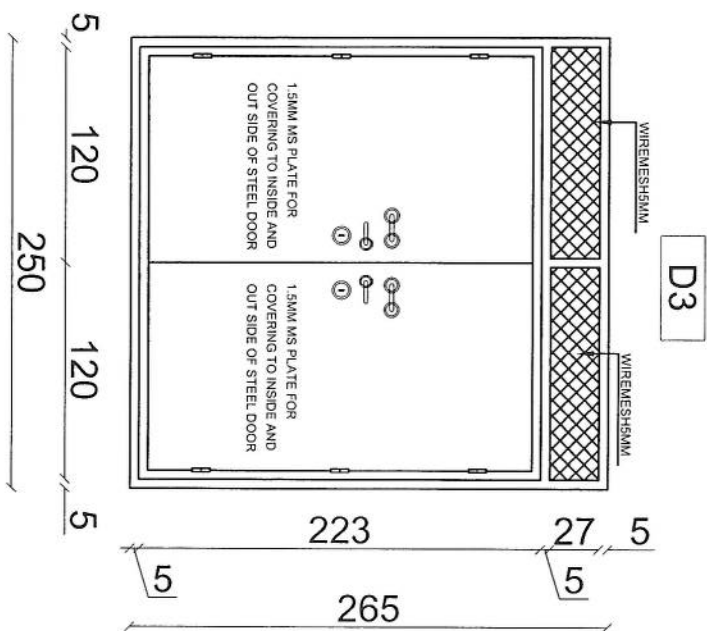
APPROVED BY:

SCALE: 1:25

ACTUAL DATE: 25/03/2026
ISSUE DATE: DRG NO: 06

OWNER: AFGHAN TELECOM

Seban Telecommunication Company
AFGHANISTAN



DOORS & WINDOWS DETAILS

07 REF. A107

SCALE: 1:25

REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION
01	2008-03-01	ISSUE FOR TENDER
02	2008-03-01	ISSUE FOR TENDER
03	2008-03-01	ISSUE FOR TENDER
04	2008-03-01	ISSUE FOR TENDER

LEGEND	
01	DOOR FRAME
02	DOOR PANEL
03	DOOR HANDLE
04	DOOR LOCK

PROJECT TITLE / NO:

GSM SITES

موقع GSM

DRAWING TITLE:

DOORS DETAILS

مفصلات دروازها

DRAWN BY:

CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE: 1:25

ACTUAL DATE: 23/03/2008

ISSUE DATE: 23/03/2008

DWG NO: 07

OWNER:

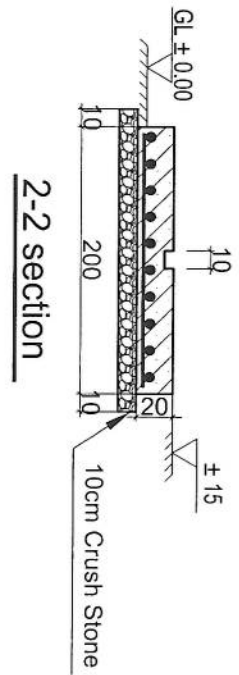
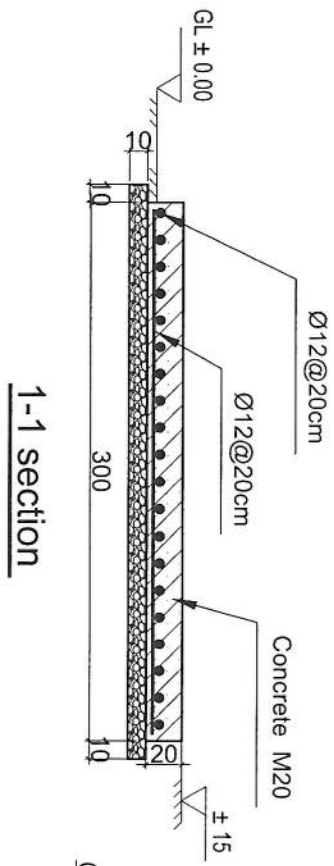
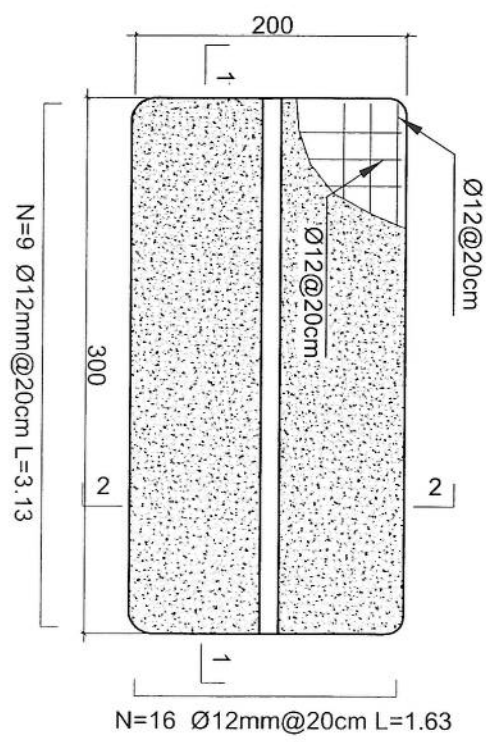
AFGHAN TELECOM

مخابرات افغانستان

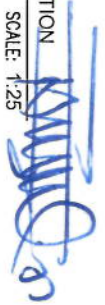
Seham Telecommunication Company

افغانستان

- 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.	DATE	DESCRIPTION

LEGEND	
	Concrete
	Reinforcement
	Ground Level

PROJECT TITLE / NO:	GSM SITES
DRAWING TITLE	ZTE OUTDOOR BTS FOUNDATION

DRAWN BY:	CIVIL TEAM
CHECKED BY:	

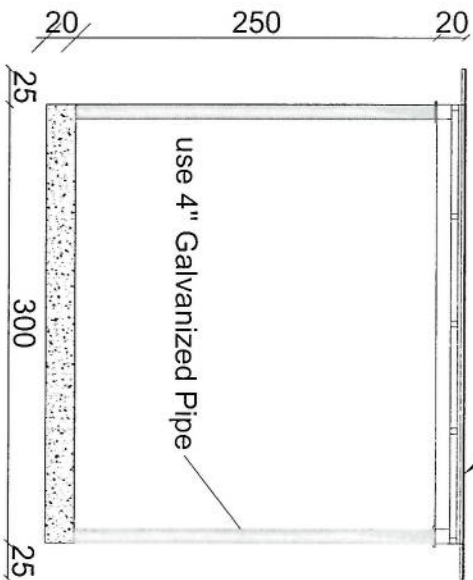
APPROVED BY:	
SCALE:	1:25
ACTUAL DATE:	23/03/2020
ISSUE DATE:	
DRG NO.	08

OWNER:	AFGHAN TELECOM

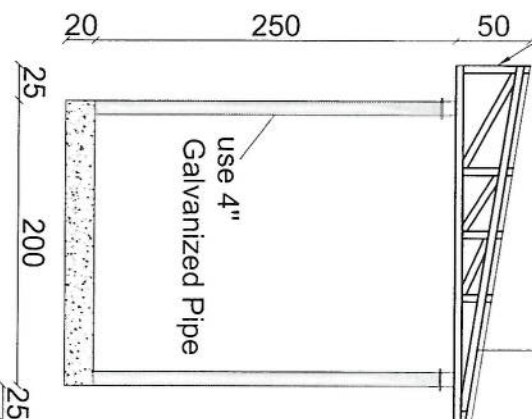
Use 24 Gage GI Sheet

24 Gage GI Sheet

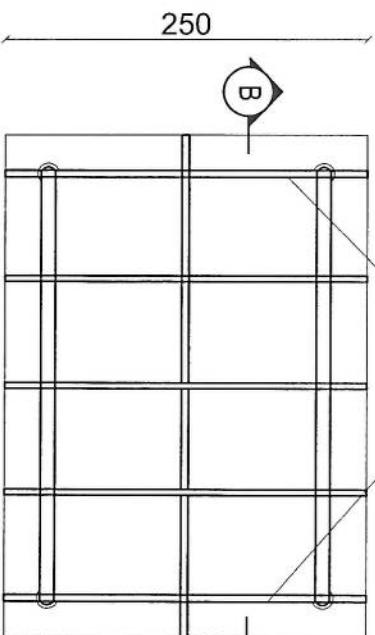
24 Gage GI sheet



Section BB



Section AA



350

250

use (80 x 80) 2mm thick channel
use (40 x 80) 2mm thick channel

SUN SHELTER FOR ZTE BTS

REF. A109

SCALE: 1:50

REVISION RECORDS			
REVISION NO	DATE	DESCRIPTION	
1	20/03/2025	Issue for fabrication	



PROJECT TITLE / NO
GSM SITES

DRAWING TITLE:

SUN SHELTER FOR ZTE BTS
BTS

DRAWN BY:
CIVIL TEAM
CHECKED BY:
J.M.

APPROVED BY:
J.M.

SCALE: 1:50
ACTUAL DATE: 20/03/2025
ISSUE DATE:
DRG NO: 09

OWNER:
AFGHAN TELECOM

Salam Telecommunication Company
KABUL
AFGHANISTAN

SITE	HRT063	CAND	1		TYPE	40m Self-Support Tower
ADDRESS	سایت کویت، ولسوالی رباط سندی و لایت فرات					
NAME	سایت کویت					
GPS COORDINATE	Lat	34.45159	Long	62.19418		
ELEVATION(SEA LEVEL)		1237	DATE	27/06/2026		
DISTANT SITE NAME	TX	RX	VLAN	ANTENNA SIZE	BEARING	Distance (km)
HRT P984				3.7	0	62
HRT064				1.8	340	30
						15
						20

VERTICAL VIEW PLAN 1

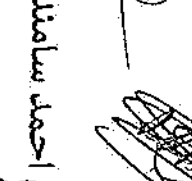
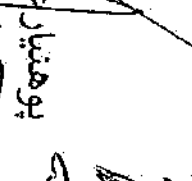
HORIZONTAL VIEW PLAN 1

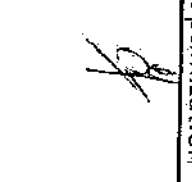
سایت های توسعهی ترانسیمیشن HRT063, HRT064, HRT066, HRT071 ولایت هرات مورد تأیید رهبری شرکت افغان تیلی کام

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	Tower Height
1	HRT063	34.45159	62.19418	Herat	Robat Sangi	Kotal Surkh	TX Site	HRT369	7.4km	48 Gb	168 Erl	GF	40m
2	HRT064	34.71498	62.0921	Herat	Robat Sangi	Robat Mirza	TX Site	HRT320	9km	64Gb	97 Erl	GF	40m
3	HRT066	34.91919	62.1546	Herat	Robat Sangi	Pir Marzi	TX Site	HRT320	14km	64 Gb	97 Erl	GF	40m
4	HRT071	34.38301	62.19313	Herat	Markaz	Baghi Milat	TX Site	HRT337	1.096km	188 Gb	120 Erl	GF	40m

محمد هارون محمدی	سید محمد افضل افغری	محمد جان روفی	حکمت الله ستانکزی	سیدالله توبی	ولایت خان عطایی
واری کنده معاونیت عملیات پیسیم	رئیس تحقیقی پیسیم	آمر ترانسیمیشن	آمر RF & BSS	مدیر ترانسیمیشن	مدیر RF Optimization



پوهنځیاری علی احمد سامند
 رئیس عمومی شرکت افغان تیلی کام