

Site ID	KBL024		Candidate						
New Lat	34.483522		New long	69.212878					
Location Name									
کوه بنی حصار District ناحیه هاشم Province کابل									
Type of Property									
Private? ☐ Gov? ☒ Owner Accessable? ☐ N/A ☐									
Property owner contact									
Contract Agreement Negotiated? Yes: ☐ No: ☐ Ongoing: ☐									
Site type									
RT: ☐ GF: ☐									
Land type									
Desert level ☐ Hill ☒ Mountainouse ☐ City ☐ Rural ☐ Rocky ☐									
Access Road available									
Yes: ☐ No: ☐									
Access road needed									
Length "20m": ☐ Width "3m": ☐ بطول ۲۰ متر سړی هموار کړی نیاز دارو									
Needed tower type									
GF: ☐ GM: ☐ RT: ☐									
Needed tower height									
H: ☐ 40m: ☐									
Boundary wall needed									
One side: ☐ 2 sides: ☐ 3 sides: ☐ 4 sides: ☐									
Boundary wall length									
20 X 15 ☐									
Guardroom needed									
Yes: ☐									
Toilet/Washroom									
Yes: ☐									
Wall Fence needed									
RT site: ☐									
Building type									
No of floors: ☐ 0: ☐ N/A: ☐									
Building height									
0m: ☐ N/A: ☐									
RT available area									
General view: ☐ Yes: ☐									
Panoramic (45°) 8 photos: ☐ Yes: ☐									
Access Direction 3Phs: ☐									
Location photo record									
Note:									
انجنیر نور جان الهام، انجنیر عبدالرفیق روحانی، جهت یو طبیعت په صفحه بعدی مزاحمت کړو.									

انجنیر نور جان الهام، انجنیر عبدالرفیق روحانی، جهت یو طبیعت په صفحه بعدی مزاحمت کړو.

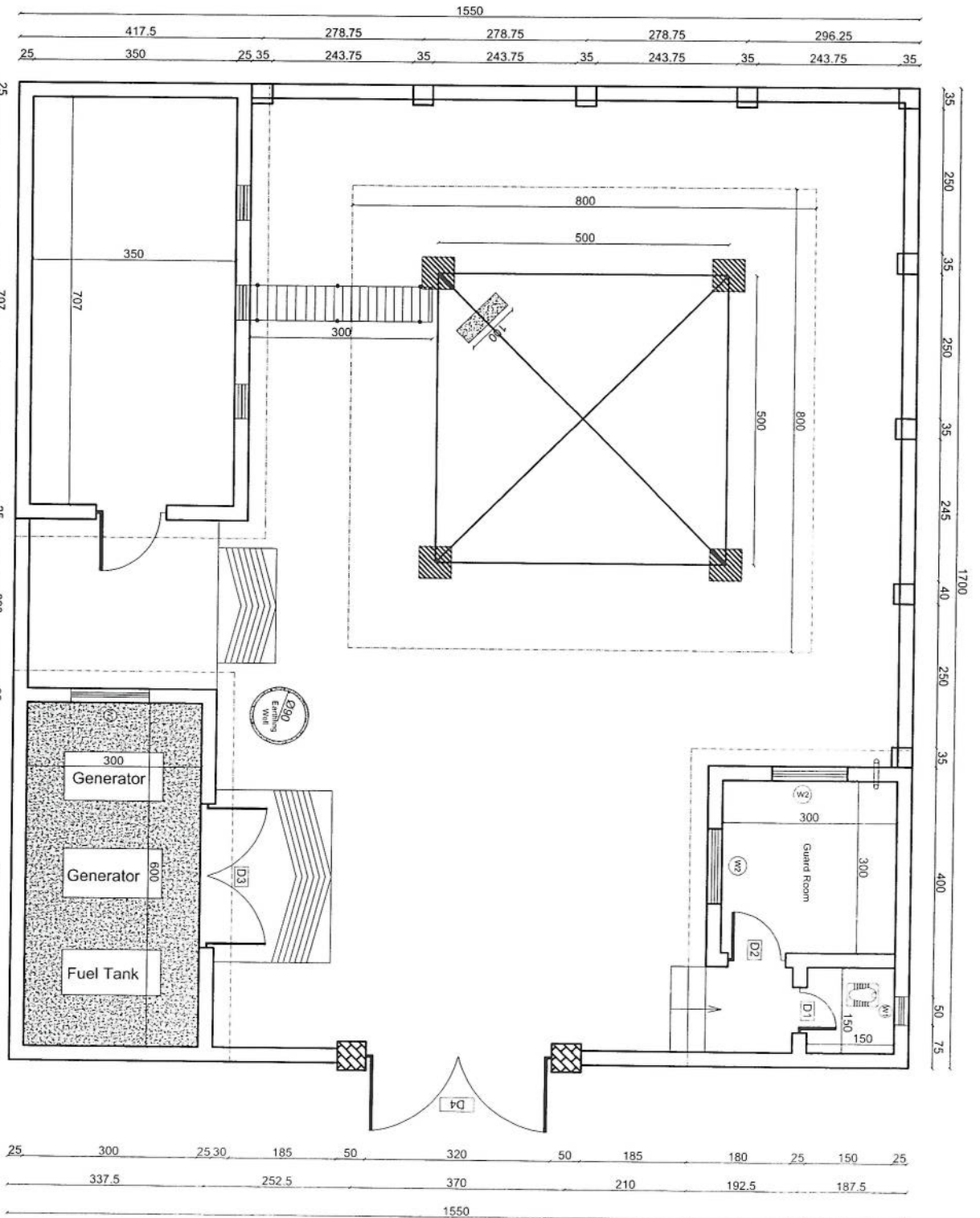
به تعداد ۵ بابیه ردمتر سایت اطراف شیر کابل جهت تسهیل اتصال سایت های انگشتری و مشترکین ISP و لایز مورد تأیید رهبری شرکت افغان تیلیکام

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	KAB006	34.542593	69.10945	Kabul	5th	Afshar Hill	RPT	Multiple sites	N/A	N/A	N/A	GF	50m
2	KAB018	34.491518	69.368155	Kabul	Botkhak	Botkhak Hill	RPT	Multiple sites	N/A	N/A	N/A	GF	40m
3	KAB024	34.483522	69.212878	Kabul	8th	Bene Hera Hill	RPT	Multiple sites	N/A	N/A	N/A	GF	40m
4	KAB038	34.56534	69.098558	Kabul	17th	Sar Kotai	RPT	Multiple sites	N/A	N/A	N/A	GF	40m
5	KAB047	34.451732	69.075788	Kabul	6th	Darul Aman	RPT	Multiple sites	N/A	N/A	N/A	GF	40m
مخابرات هارون محمدی				سید محمد افغان افغانی			حکمت الله ستانکزی			محمد جان روفی			
واری کنده معاونت عملیات پیسیم				رئیس پیسیم			آمر RF BSS			آمر ترانس میسر			

دا چي دا سايت د کابل ولايت بتخاک د غره په سر کي موقیعت لري او راتلونکي کي دا سايت د غټو او وړو ديشونو او د ISP خدماتو درلودلو سره راتلونکي کي د کابل د يوي مرکزي سايت اهميت به ولري چي اضافه تر 50 عدد لينکونه کيدايښي پکي نصب شي او د کابل حلقوي کيدو لپاره پلان شوي دي. نو ددي سايت مساحت بايد اضافه په نظر کي ونيول شي او ټاور بايد هتما 40 متره قوي او مستحکم وواوسي، او د جنراتور لپاره بايد خلاص اطاق او د سولر لپاره هم د پاور د آمريت په همغږي منظم سترکچر په نظر کي ونيول سي. د تخنيکي وسايلو لپاره تو غټ 5x4 کي پوخ او مستحکم اطاق په ۲/۸۰ متر لوړوالي کي ۶۰/۶۰ کي خلاصي کړکي او کيبل تري سره وصل وي او هره کړکي بايد قوي او ولاړ کيبل تري چي د تيکنيشن د ختلو مقاومت ولري بايد نصب شي. او د گرواندينگ مجهز او قوي سيستم ولري.



NORTH
WEST
EAST
SOUTH



01 SITE PLAN
REF. A101
SCALE: 1:100

REVISION RECORDS

REVISION NO	DATE	DESCRIPTION

LEGEND

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W6	WALL
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W100	WALL

PROJECT TITLE / NO

GSM SITES

DRAWING TITLE

SITE PLAN

DRAWN BY
CIVIL TEAM

CHECKED BY

APPROVED BY

SCALE: 1:100

ACTUAL DATE: 20/07/2026

ISSUE DATE: 20/07/2026

DRG NO: 01

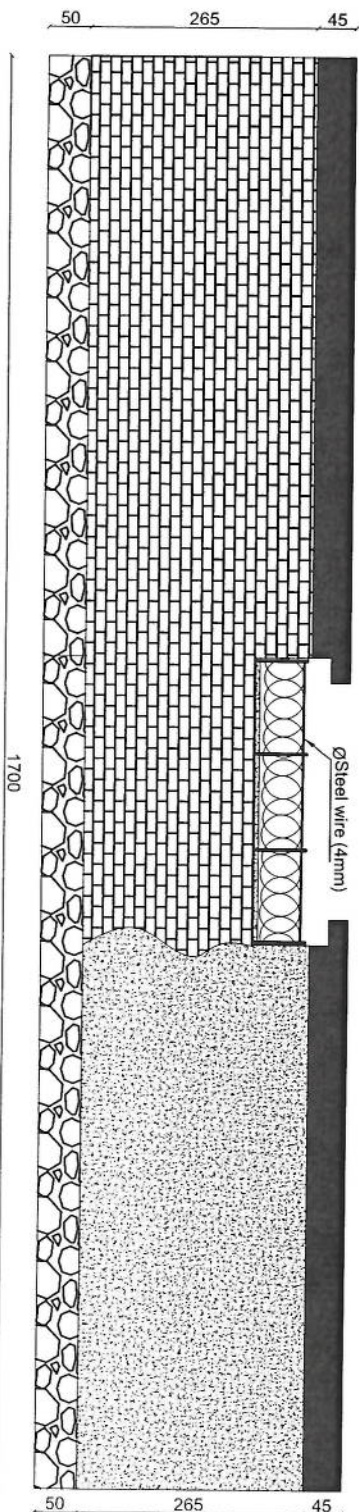
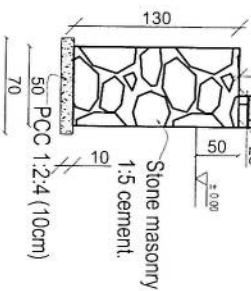
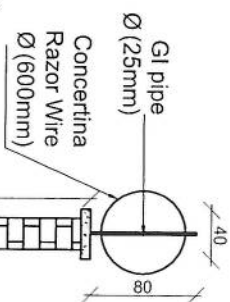
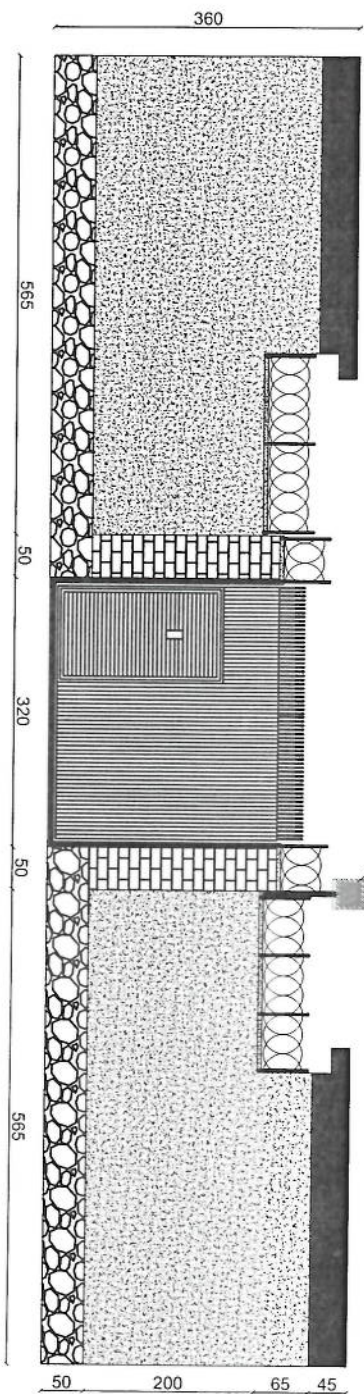
OWNER: AFGHAN TELECOM

Salam Telecommunication Company
KABUL
AFGHANISTAN

380

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REVISION RECORDS		
NO	DATE	DESCRIPTION

LEGEND	
	STONE MASONRY
	STEEL WIRE MESH (4mm)
	CONCRETE
	PCC

PROJECT TITLE / NO

CSM SITES

موقع های سیم خاردار

DRAWING TITLE

WALL ELEVATIONS & DETAILS

مقطع های دیوار و جزئیات

DRAWN BY:

CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE

1:100

ACTUAL DATE

19/07/2020

ISSUE DATE:

DRG NO. 02

OWNER:

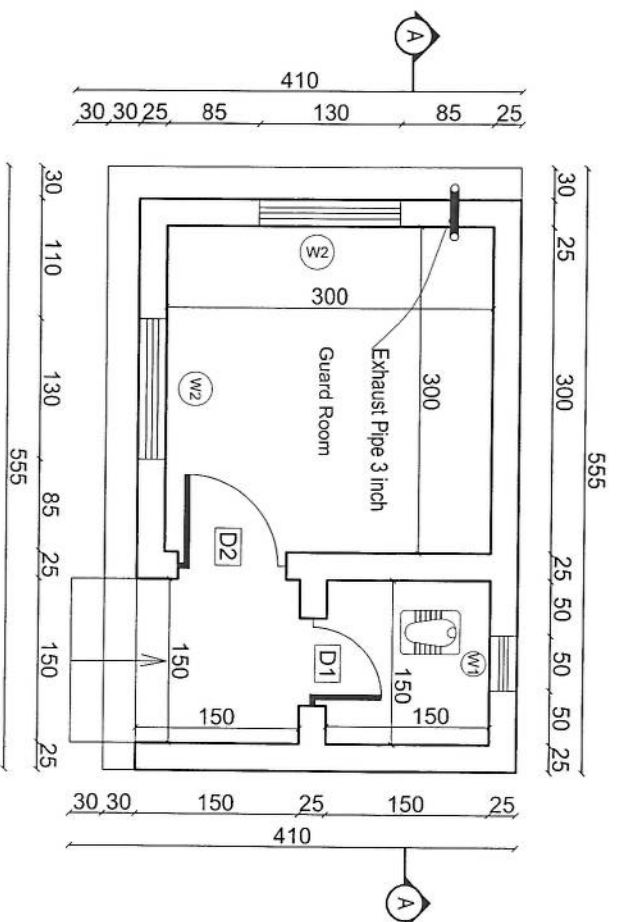
ATGHAN TELECOM

Salman Telecommunication Company
KABUL
AFGHANISTAN

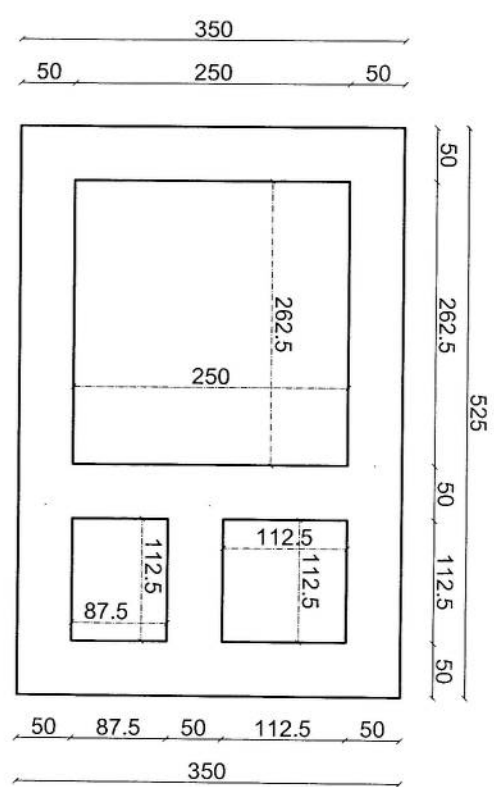
WALL ELEVATIONS & DETAILS

02 REF. A102

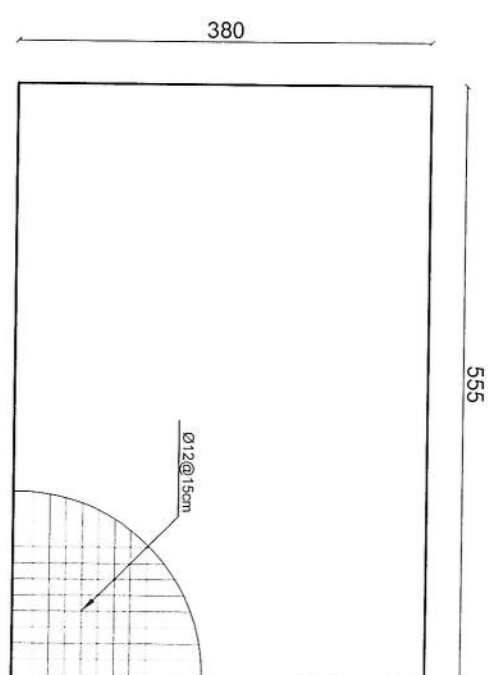
SCALE: 1:100



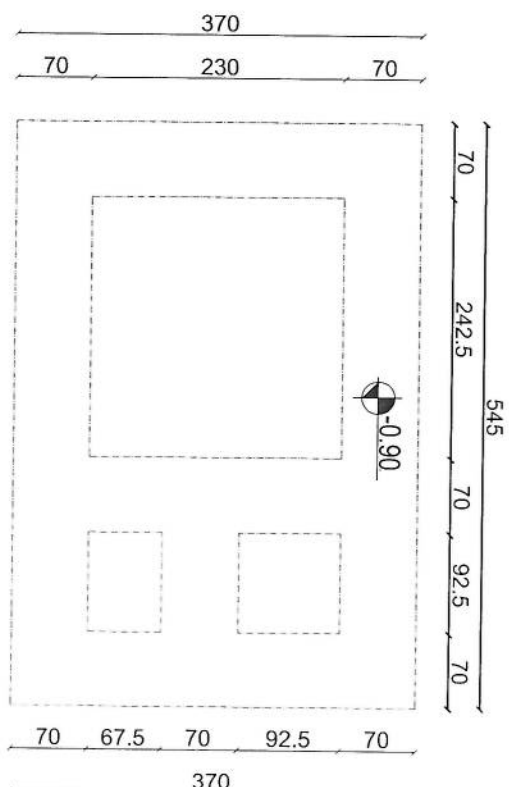
Guard room plan



Guard room foundation plan



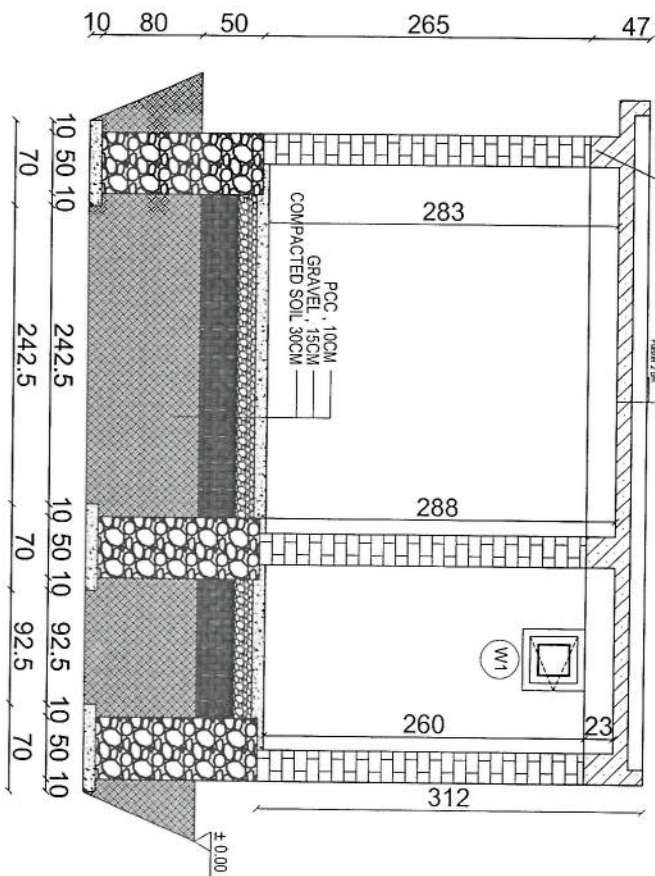
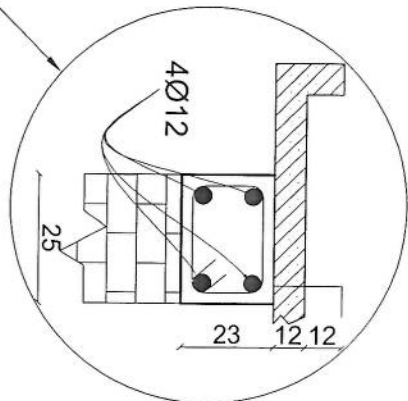
Rebar details of GR roof



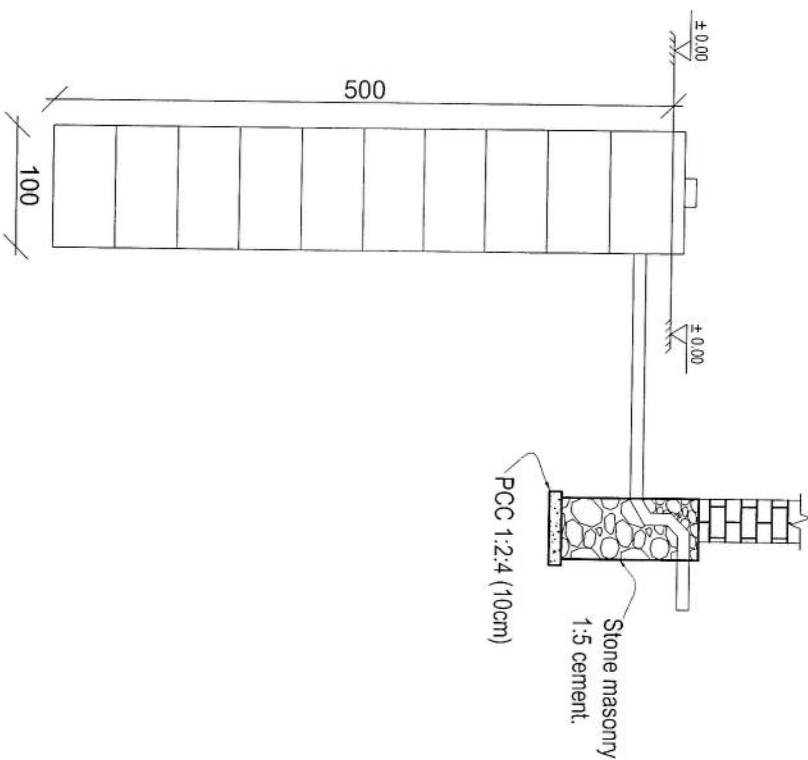
Excavation Plan of GR Foundation

03 REF. A103
GUARD ROOM
SCALE: 1:100
[Signature]

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Section AA



Well for toilet

REVISION RECORDS	
NO	DATE
1	29/07/2026

LEGEND	DESCRIPTION
BRICK (1:1)	BRICK (1:1)
STONE MASONRY	STONE MASONRY
PCC 1:2:4 (10CM)	PCC 1:2:4 (10CM)
GRAVEL	GRAVEL
COMPACTED SOIL	COMPACTED SOIL

W1	WELL
W2	WELL
W3	WELL
W4	WELL
W5	WELL
W6	WELL
W7	WELL
W8	WELL
W9	WELL
W10	WELL

PROJECT TITLE / NO:	GSM SITES
PROJECT NO:	001
PROJECT NAME:	GUARD ROOM & TOILET WELL
PROJECT LOCATION:	AFGHANISTAN
PROJECT DATE:	29/07/2026
PROJECT SCALE:	1:100

DRAWING TITLE	GUARD ROOM & TOILET WELL
SECTION	SECTION
DRAWN BY:	CIVIL TEAM
CHECKED BY:	CIVIL TEAM
APPROVED BY:	CIVIL TEAM

SCALE	1:100
ACTUAL DATE	29/07/2026
ISSUE DATE	29/07/2026
DRG NO	04

OWNER	AFGHAN TELECOM
DESIGNER	AFGHAN TELECOM
CONTRACTOR	AFGHAN TELECOM
CLIENT	AFGHAN TELECOM

APPROVED BY:	CIVIL TEAM
CHECKED BY:	CIVIL TEAM
DRAWN BY:	CIVIL TEAM
CIVIL TEAM	CIVIL TEAM

SCALE	1:100
ACTUAL DATE	29/07/2026
ISSUE DATE	29/07/2026
DRG NO	04

OWNER	AFGHAN TELECOM
DESIGNER	AFGHAN TELECOM
CONTRACTOR	AFGHAN TELECOM
CLIENT	AFGHAN TELECOM

REVISION RECORDS		
Job No. 1000		
REVISION NO	DATE	DESCRIPTION
1	10/1/00	Initial design
2	10/1/00	Revised design
3	10/1/00	Final design

LEGEND:

Figure	Material	Modulus, GPa	Strength, MPa	Strain to failure, %
(a)	Aluminum	70	350	10
(b)	Carbon fiber	230	1500	1.5
(c)	Kevlar	130	1400	3.5
(d)	Fiberglass	70	1000	2.5
(e)	Carbon fiber	230	1500	1.5
(f)	Kevlar	130	1400	3.5
(g)	Fiberglass	70	1000	2.5
(h)	Carbon fiber	230	1500	1.5
(i)	Kevlar	130	1400	3.5
(j)	Fiberglass	70	1000	2.5

DEAN J. D. HUGHES

[illegible]

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812

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W4
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PROJECT TITLE / NO.:GSM SITES

مجلس شورای اسلامی

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DRAWING TITLE:

TECHNICAL ROOM FLOOR PLAN

100

DRAWN BY: 

CIVIL TEAM

CHECKED BY _____

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APPROVED BY: _____

SCALE: 1:100

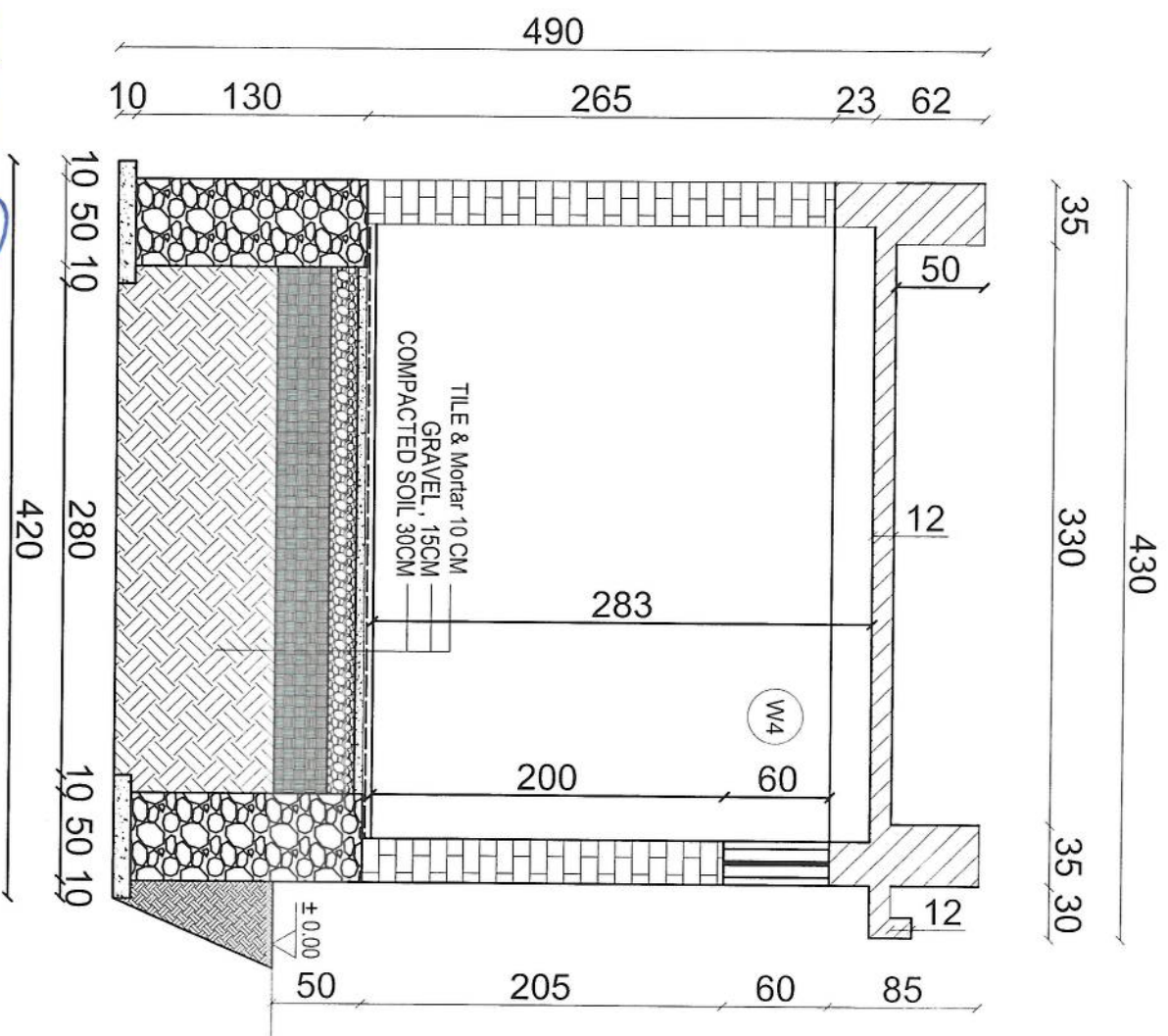
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	20.10.2018

29 OCT 2020	DRG.NO 09
ISSUE DATE:	

OWNER: 

AFGHAN TELECOM

Salam Telecommunication Company

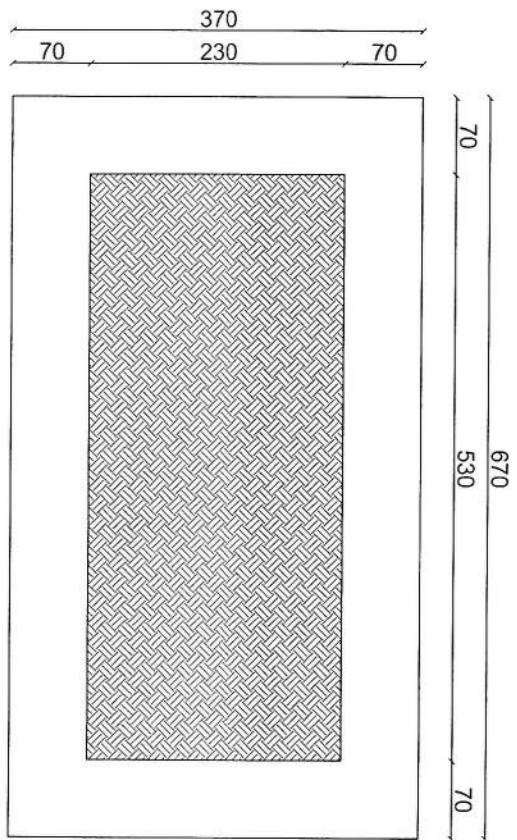


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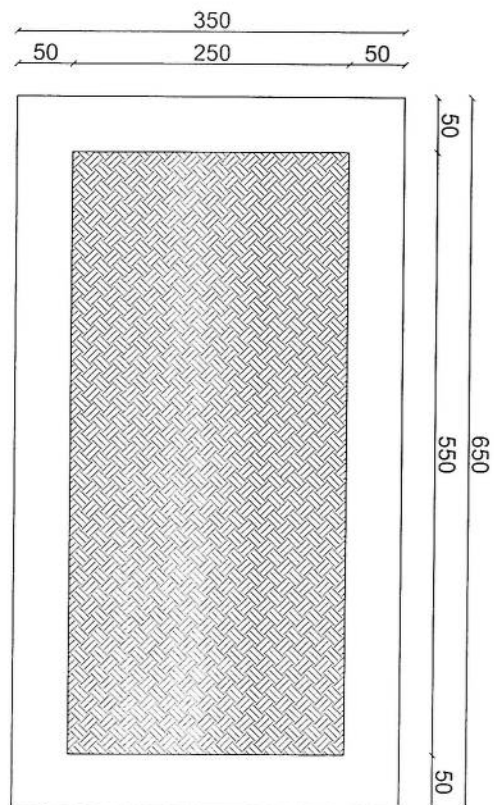
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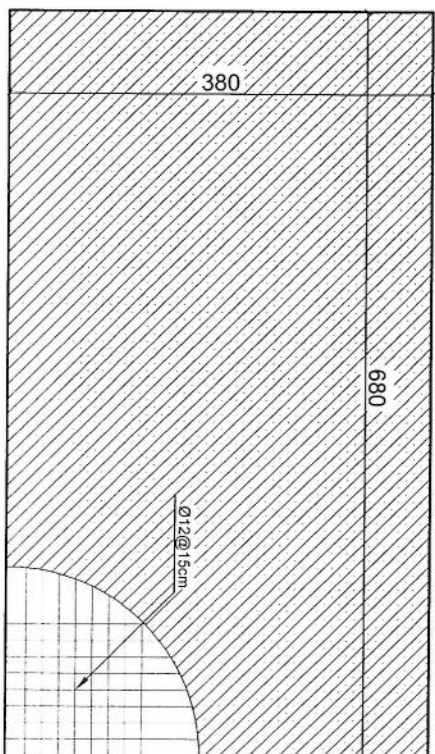
Section C-C



Generator room foundation Excavation plan



Generator room foundation plan



Rebar room Roof plan

05 REF: A105 GENERATOR FOUNDATION

SCALE: 1:100

REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION

LEGEND	
	FOUNDATION
	ROOF
	GENERATOR ROOM
	GENERATOR ROOM
	GENERATOR ROOM
	GENERATOR ROOM
	GENERATOR ROOM
	GENERATOR ROOM
	GENERATOR ROOM
	GENERATOR ROOM

PROJECT TITLE / NO	
GSN SITES	

DRAWING TITLE	
GENERATOR ROOM	

DRAWN BY:	
CIVIL TEAM	

CHECKED BY:	

APPROVED BY:	

SCALE	
1:100	

OWNER:	
AFGHAN TELECOM	

Salam Telecom Company	
KABUL	
AFGHANISTAN	

REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION
1	2010/01/01	Initial design
2	2010/02/01	Revised design
3	2010/03/01	Final design

LEGEND:

Fig. 1. (a) Schematic diagram of the experimental setup. (b) Photograph of the experimental setup.

COMPACT 1300L




W2	W1
2007-2008	2007-2008
2008-2009	2008-2009

10

[illegible][illegible]

DRAWING TITLE:
GENERATOR ROOM

طابق حفره

DRAWN BY:

طابق حفره

CIVIL TEAM

CHECKED BY: _____

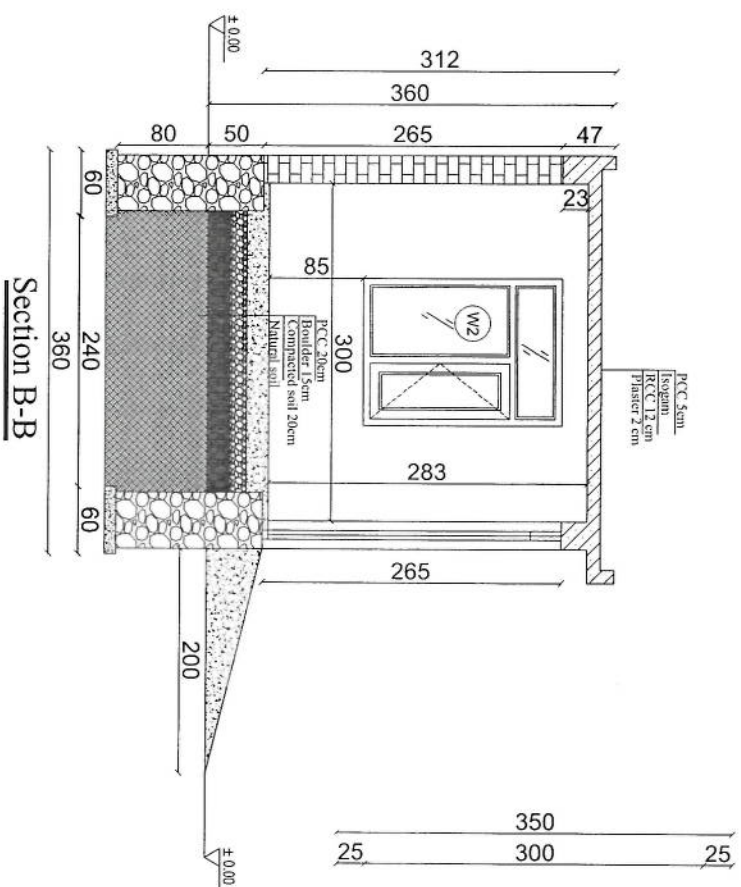
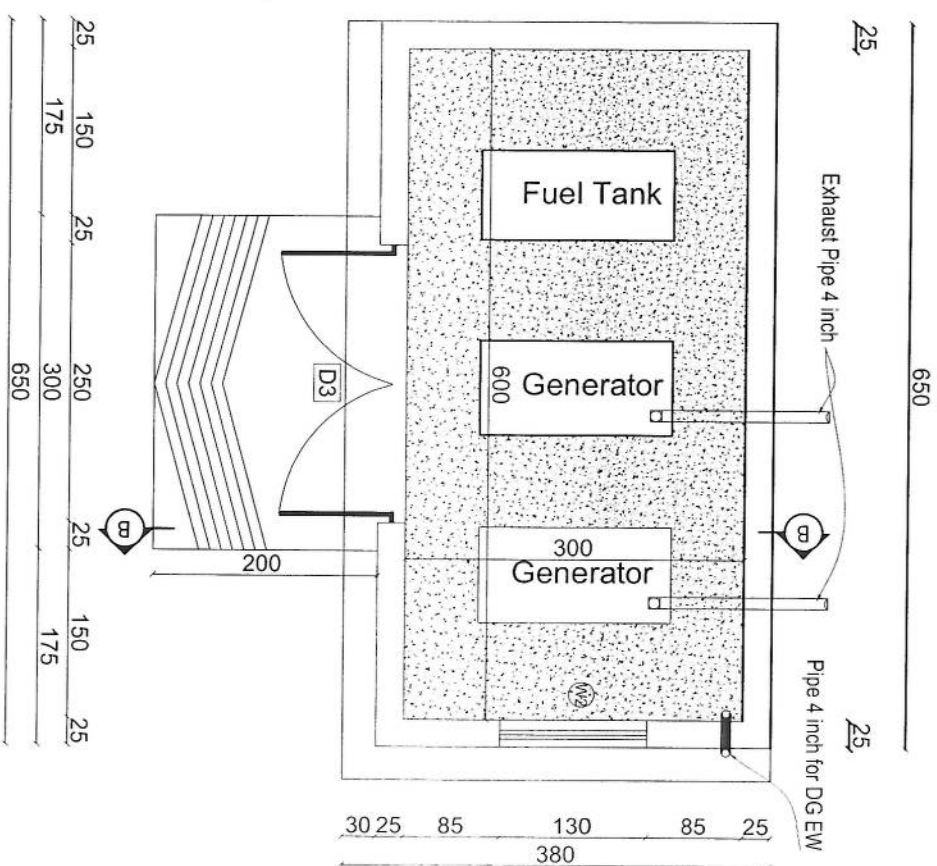
APPROVED BY: *J. J. [Signature]*

SCALE:	1:100	DATE:	
ACTUAL DATE:	29/07/2026		

ISSUE DATE:	DRG NO 06
OWNER: AFGHAN TELECOM	10/2/98 - Sema

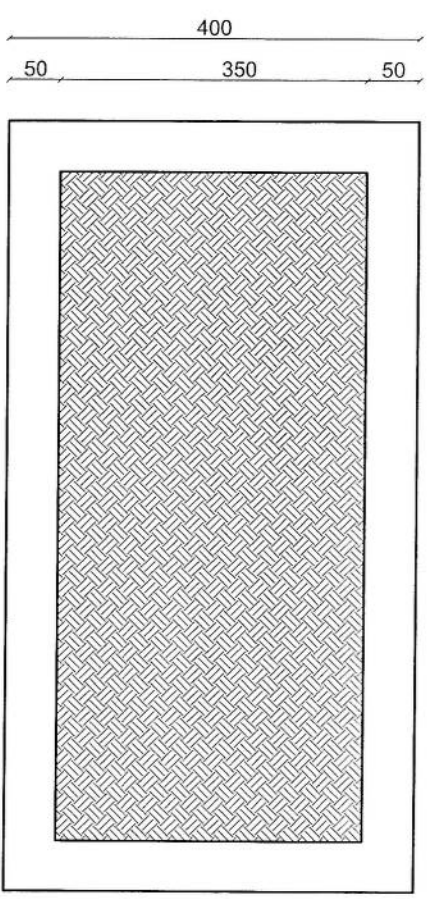
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Salam Telecomunicaciones Company



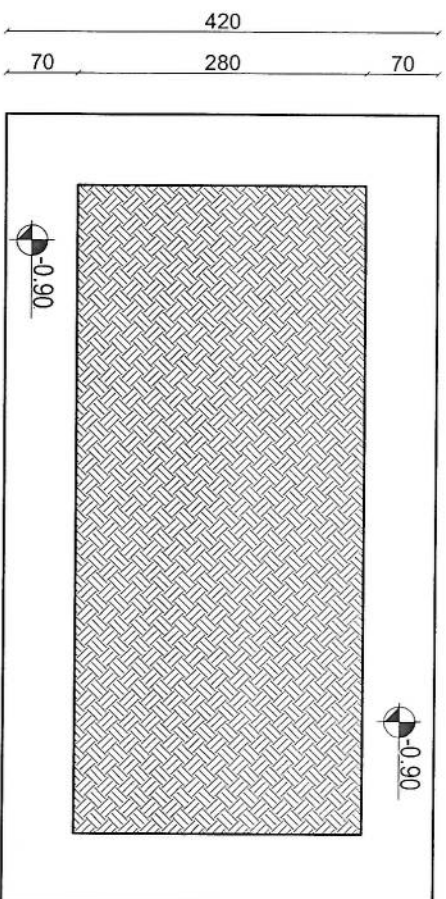
06	REF. A106	SCALE: 1:100	GENERATOR ROOM PLAN & SECTION
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757	657	50
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Technical Room foundation plan

777	637	70
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TECHNICAL ROOM FOUNDATION & EXCAVATION PLAN

Technical Room foundation Excavation plan

07 REF: A107

SCALE: 1:100

REVISION RECORDS			
REVISION NO	DATE	DESCRIPTION	

LEGEND	
	FOUNDATION
	EXCAVATION
	COMPACTED SOIL
	WATER TANK
	GROUND LEVEL
	WIND ROSS
	DOOR THRESH

PROJECT TITLE / NO:
GSM SITES
موقع سیم کارت

DRAWING TITLE:
GENERATOR ROOM FOUNDATION & EXCAVATION PLAN
پلان بنی و حفرت اتاق ژنراتور

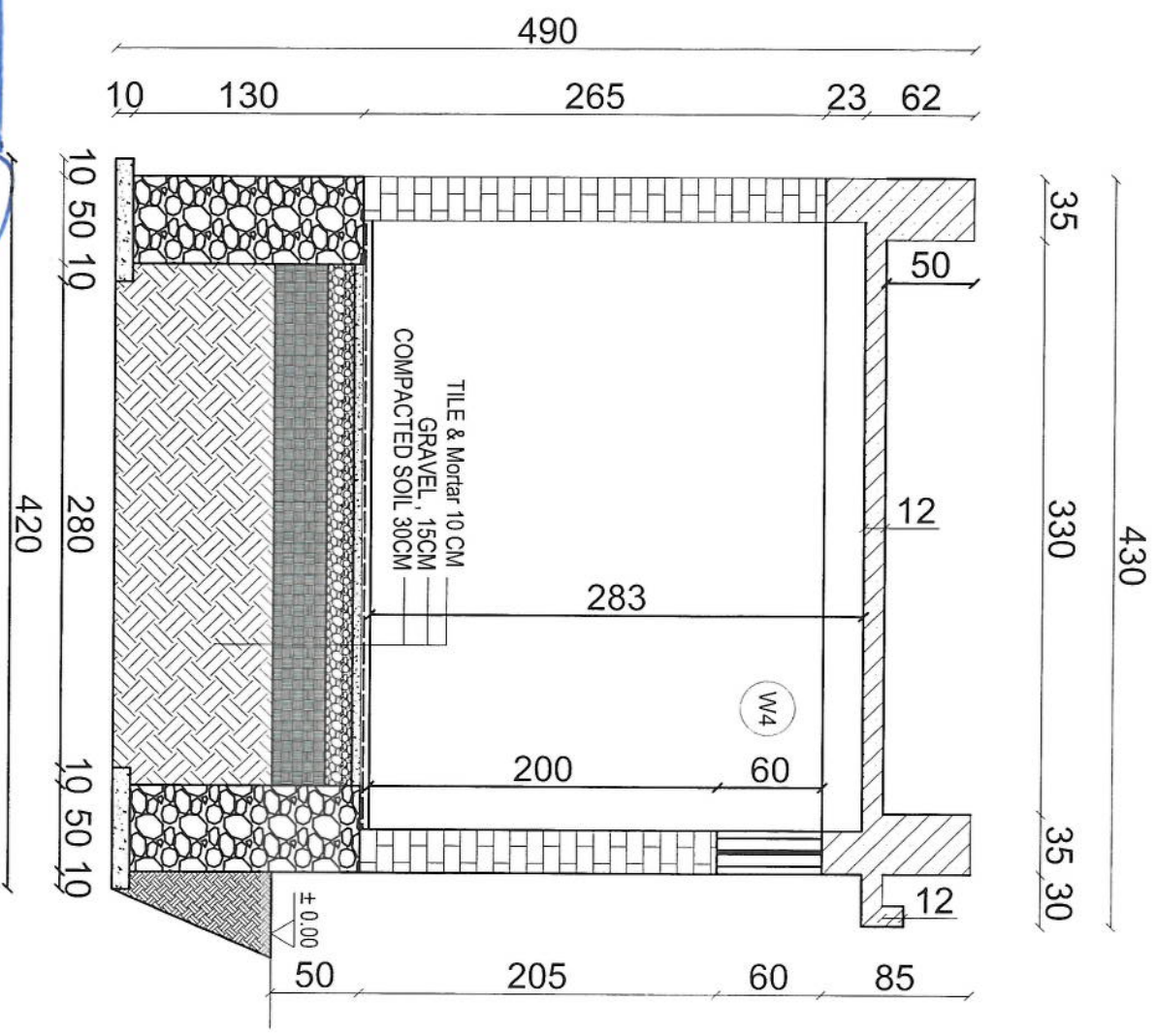
DRAWN BY:
CIVIL TEAM

CHECKED BY:

APPROVED BY:

SCALE: 1:100
ACTUAL DATE: 29.07.2020
ISSUE DATE: 29.07.2020
DRG NO: 07

OWNER:
AFGHAN TELECOM



REVISION RECORDS	
REVISION NO	DATE
1	2020/07/25

LEGEND	DESCRIPTION
1:100	GROUND FLOOR
1:200	SECTION
1:500	SECTION
1:1000	SECTION
1:2000	SECTION
1:5000	SECTION
1:10000	SECTION

PROJECT TITLE / NO	DESCRIPTION
09	TECHNICAL ROOM SECTION
01	SECTION
02	SECTION
03	SECTION
04	SECTION
05	SECTION
06	SECTION
07	SECTION
08	SECTION
09	SECTION
10	SECTION

DRAWING TITLE	DESCRIPTION
TECHNICAL ROOM SECTION	SECTION
09	SECTION
01	SECTION
02	SECTION
03	SECTION
04	SECTION
05	SECTION
06	SECTION
07	SECTION
08	SECTION
09	SECTION
10	SECTION

DRAWN BY	DESCRIPTION
09	SECTION
01	SECTION
02	SECTION
03	SECTION
04	SECTION
05	SECTION
06	SECTION
07	SECTION
08	SECTION
09	SECTION
10	SECTION

CHECKED BY	DESCRIPTION
09	SECTION
01	SECTION
02	SECTION
03	SECTION
04	SECTION
05	SECTION
06	SECTION
07	SECTION
08	SECTION
09	SECTION
10	SECTION

APPROVED BY	DESCRIPTION
09	SECTION
01	SECTION
02	SECTION
03	SECTION
04	SECTION
05	SECTION
06	SECTION
07	SECTION
08	SECTION
09	SECTION
10	SECTION

SCALE	DESCRIPTION
1:25	SECTION
1:50	SECTION
1:100	SECTION
1:200	SECTION
1:500	SECTION
1:1000	SECTION
1:2000	SECTION
1:5000	SECTION
1:10000	SECTION

OWNER	DESCRIPTION
09	SECTION
01	SECTION
02	SECTION
03	SECTION
04	SECTION
05	SECTION
06	SECTION
07	SECTION
08	SECTION
09	SECTION
10	SECTION

ISSUE DATE	DESCRIPTION
25/07/2020	SECTION
26/07/2020	SECTION
27/07/2020	SECTION
28/07/2020	SECTION
29/07/2020	SECTION
30/07/2020	SECTION
31/07/2020	SECTION
01/08/2020	SECTION
02/08/2020	SECTION
03/08/2020	SECTION

09
REF: A109
TECHNICAL ROOM SECTION

SCALE: 1:25

Section C-C

REVISION RECORDS		
REVISION NO	DATE	DESCRIPTION
1	10/1/80	Initial design
2	10/1/80	Revised design
3	10/1/80	Final design

LEGEND:

- POLYMER SOLUTION
- POLYMER FILM
- SUBSTRATE

0.1 cm

PROJECT TITLE / NO. _____

GSM SITES _____

$\Delta T_{\text{air}} = \Delta T_{\text{air}} - T_{\text{air}}$

TECHNICAL ROOM FLOOR PLAN

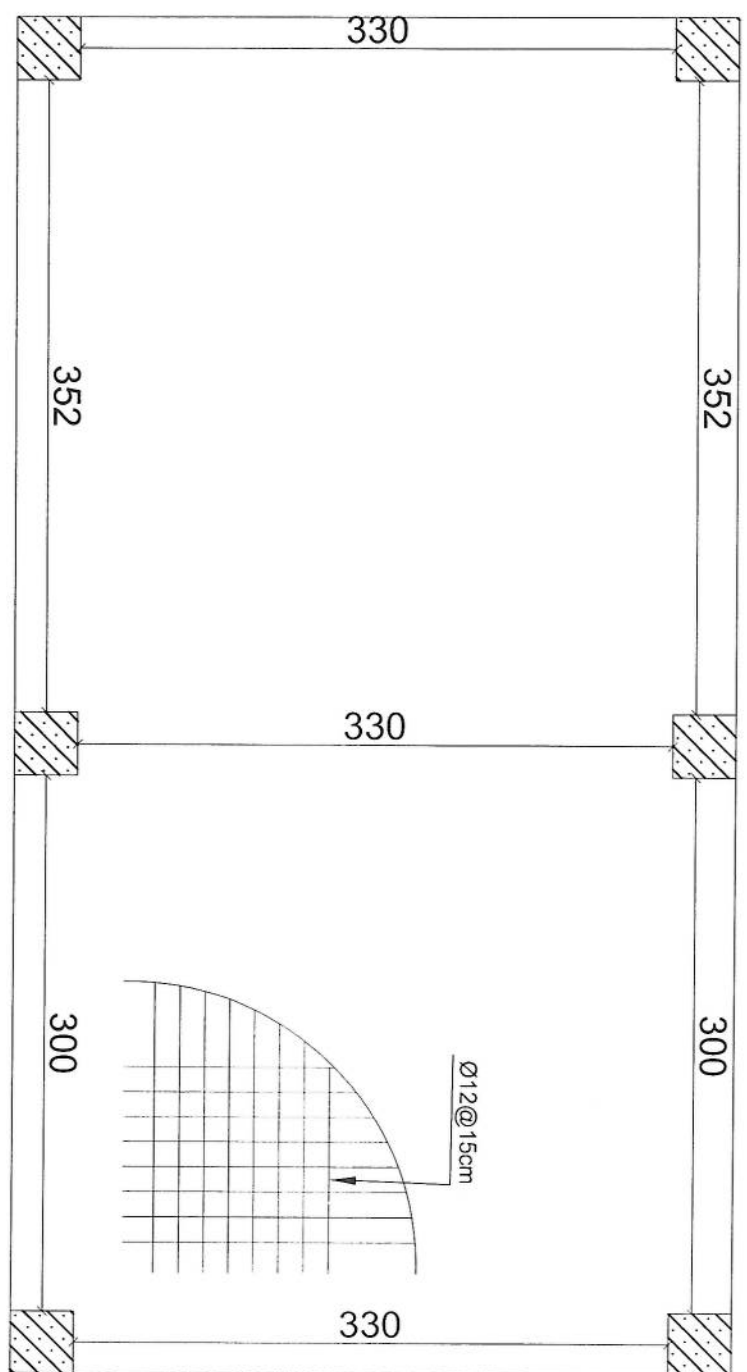
DRAWN BY:
 CIVIL TEAM

10

APPROVED BY:	<i>J. Johnson</i>
SCALE:	1/25
ACTUAL DATE:	29/07/2026
ISSUE DATE:	DRG. NO. 10

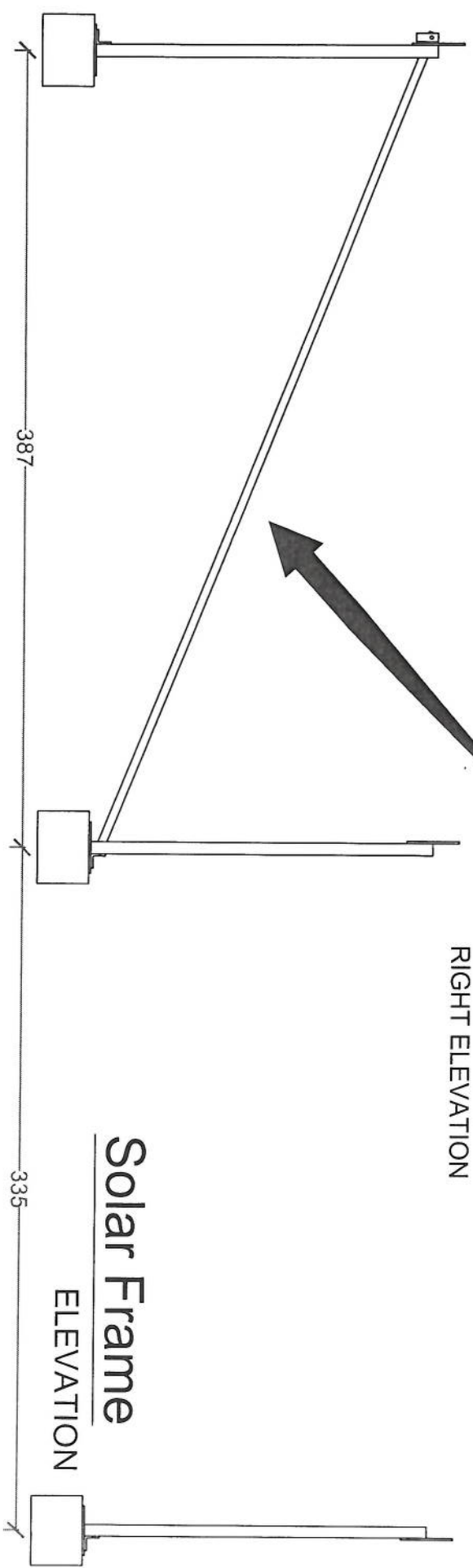
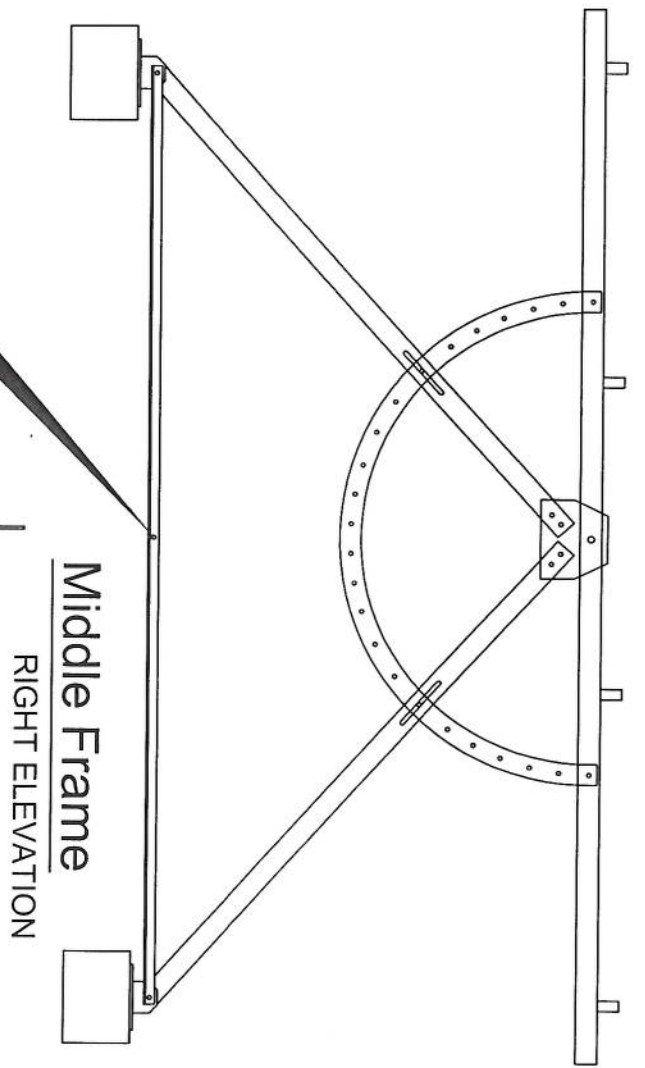
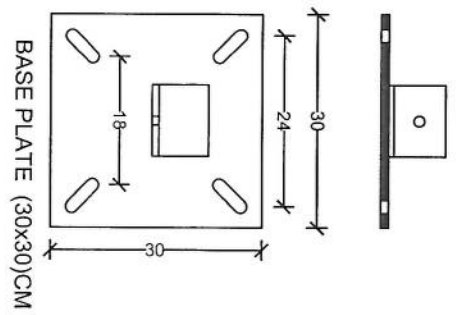
OWNER:
AFGHAN TELECOM

Salam | Salam Telecommunication Company
 ٤٤٤ ٥٥٥ ٦٦٦
 A.S. 111 222 333

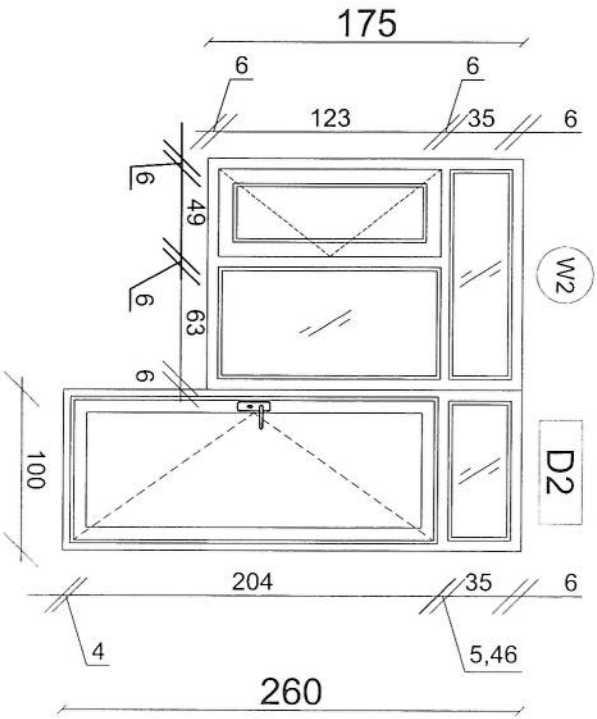
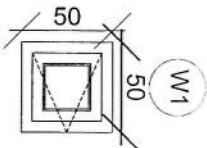
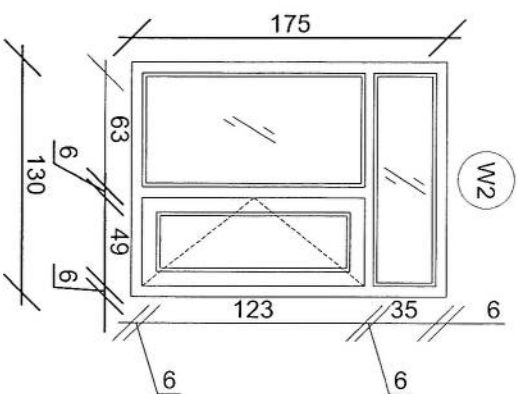
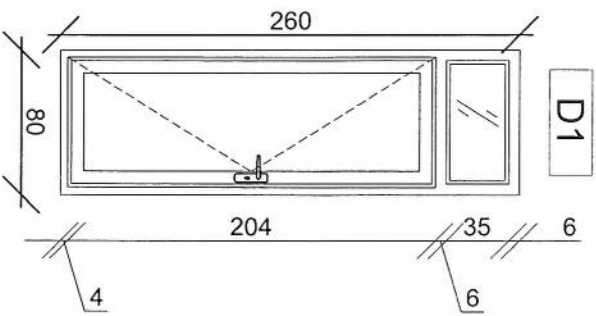


Technical Room Roof and solar foundation plan


 MARY ANN
 LER FOUNDATION PLAN



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11 REF. A111 DOORS & WINDOWS DETAILS-01 SCALE: 1:25

REVISION RECORDS	
NO.	DESCRIPTION

LEGEND

001	DOOR & WINDOW DETAILS
002	DOOR & WINDOW DETAILS
003	DOOR & WINDOW DETAILS
004	DOOR & WINDOW DETAILS
005	DOOR & WINDOW DETAILS
006	DOOR & WINDOW DETAILS
007	DOOR & WINDOW DETAILS
008	DOOR & WINDOW DETAILS
009	DOOR & WINDOW DETAILS
010	DOOR & WINDOW DETAILS

PROJECT TITLE / NO.
GSM SITES

DRAWING TITLE:
DOORS & WINDOWS DETAILS

DRAWN BY:
CIVIL TEAM

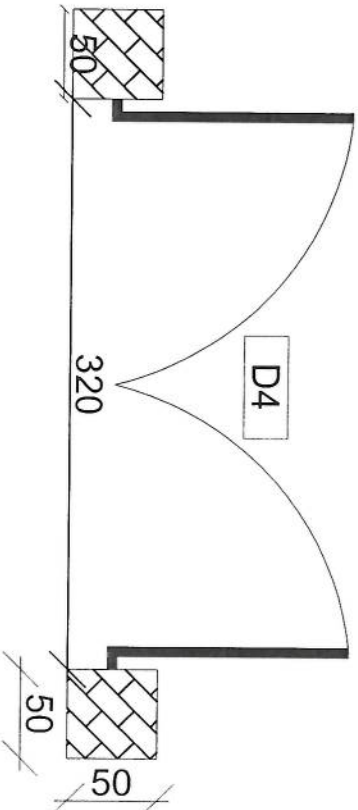
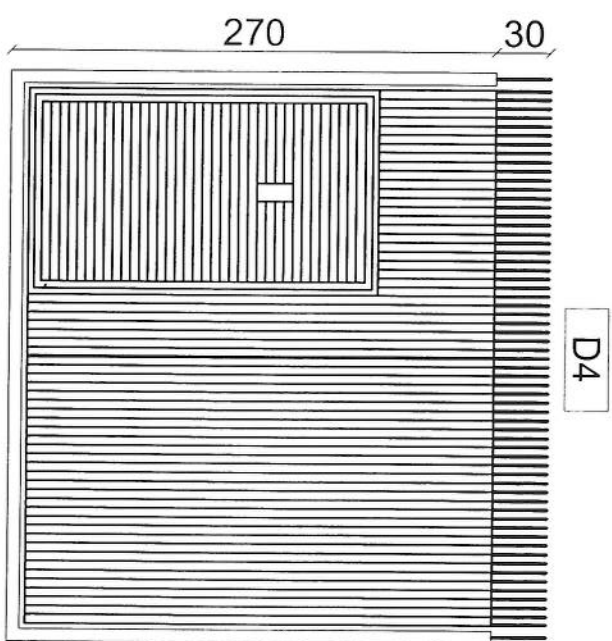
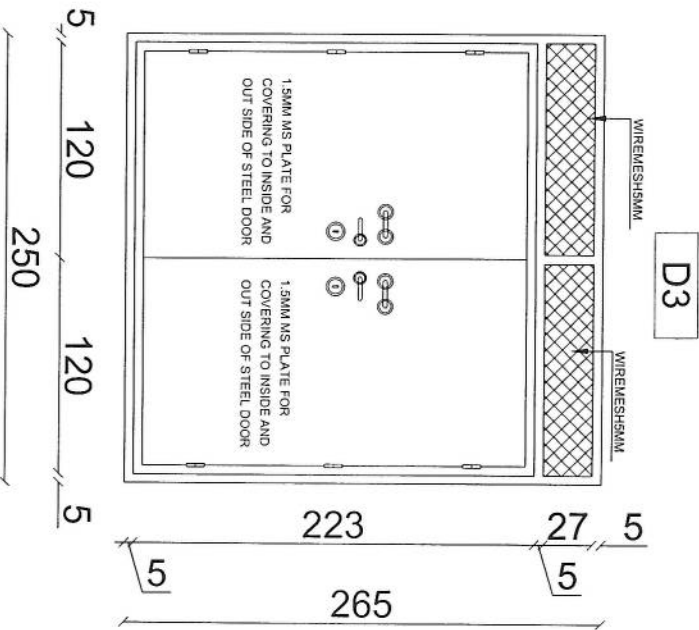
CHECKED BY:

APPROVED BY:

SCALE:
1:25
ACTUAL DATE:
08/07/2025
ISSUE DATE:
DRG NO: 11

OWNER:
AFGHAN TELECOM

Salman Telecommunication Company
KABUL
AFGHANISTAN



REVISION RECORDS			
NO	DATE	DESCRIPTION	
1	2020/07/20	DOOR & WINDOW DETAILS	

LEGEND	
DOOR	DOOR
WINDOW	WINDOW

PROJECT TITLE / NO	
DOOR & WINDOW DETAILS	
DRAWING TITLE	
DOOR & WINDOW DETAILS	
DRAWN BY:	
CIVIL TEAM	
CHECKED BY:	
APPROVED BY:	

SCALE:	
1/25	
ACTUAL DATE:	
20/07/2020	
ISSUE DATE:	
20/07/2020	
OWNER:	
AFGHAN TELECOM	

G

F

E

D

C

B

A



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SUTAN MASHOOM
CONSULTING & ENGINEERING SERVICES

TOWER TYPE "AK1"

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

A

B

C

D

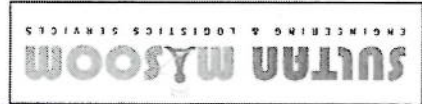
E

F

G

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



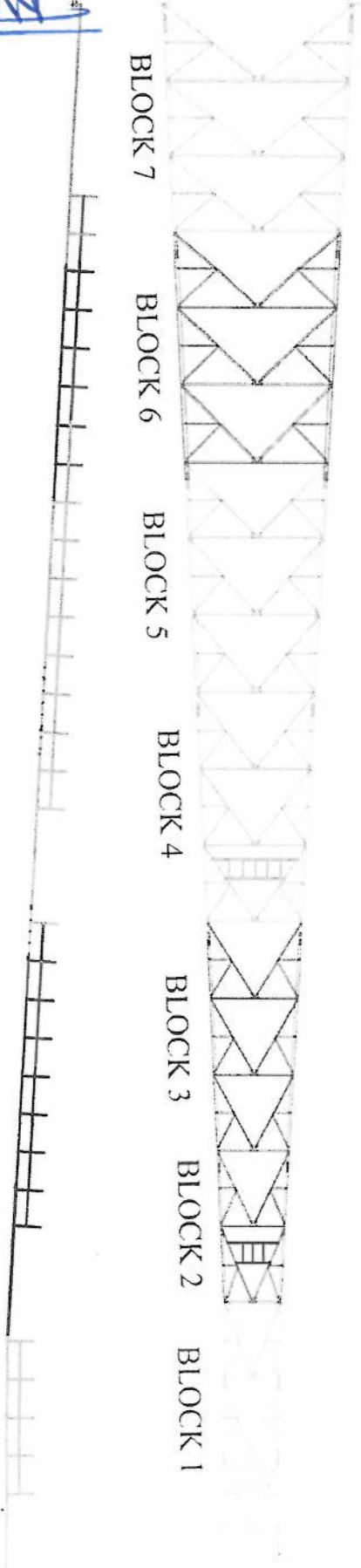
[Handwritten signature in blue ink]

G T F 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

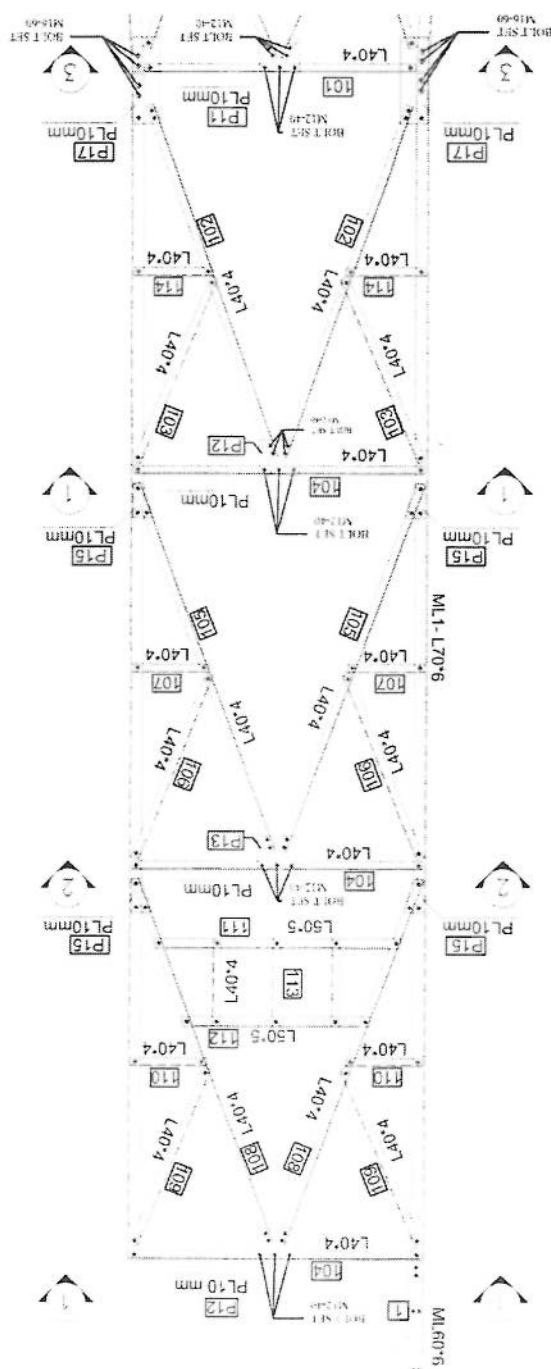


[Handwritten signature]

SCALE: 1/100	
DESIGN: SK	
DRAWN: SK	
CHECKED: SK	
APPROVED: SK	
DATE: 10/10/20	
PROJECT: 40-160-EPA10(AK1-40m)	
CONTRACTOR: SUTUN MYSOOM	
FOR TOWER TYPE 40-160-EPA10(AK1-40m)	
APPROVAL DRAWING	
AFGHAN TOWER	
CLIENT: SUTUN MYSOOM	
LOGISTICS & SERVICES	

A B C D E F G

BLOCK 1



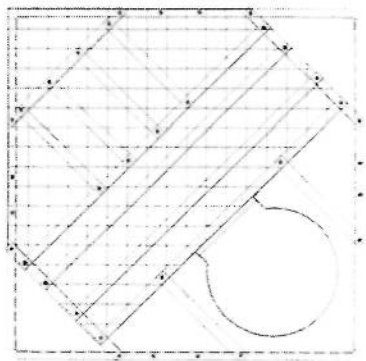
G
F
E
D
C
B
A

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
B1.2	M1.2	L70X6	4.005	26.0296965	4	104.118786
B1.2	201	L40X4	2.303	5.662951	8	45.354368
B1.2	202	L40X4	1.083	2.6660211	8	21.3281688
B1.2	203	L40X4	0.425	1.0462225	8	8.36978
B1.2	204	L40X4	1.69	4.160273	4	16.641092
B1.2	205	L40X4	2.32	5.711144	8	45.689152
B1.2	206	L40X4	1.115	2.7447955	8	21.958364
B1.2	207	L40X4	0.37	0.910829	8	7.286632
B1.2	209	L50X5	0.96	3.688224	4	14.752896
B1.2	210	L50X5	1.38	5.301822	4	21.207288
B1.2	211	L40X4	0.585	1.440945	12	17.281134
B1.2	S201	L50X5	0.877	3.3693463	3	10.1080389
B1.2	S202	L50X5	0.519	1.9939461	4	7.9757844
B1.2	S203	L50X5	0.579	2.2244601	2	4.4489202
B1.2	L201	L50X5	1.723	6.6195937	1	6.6195937
B1.2	L202	L50X5	1.723	6.6195937	3	19.8587811
B1.2	Washer	PL100X40X8	1	0.2575	10	2.575
B1.2	Hot Set	M16-60	1	0.16274	32	5.20768
B1.2	Hot Set	M12-40	1	0.06798	304	20.66992
B1.2	P21	PL130*60*10	1	1.0009	8	8.4872
B1.2	P22	PL119*110*10	1	1.5533	8	12.4424
B1.2	M22	L60X6	0.32	1.769952	4	7.079808
B1.2	MESH	HEAVY MESH	2.5	28.325	1	28.325
B1.2	WASHER		1	0.008446	336	2.837856
						473.02 kg

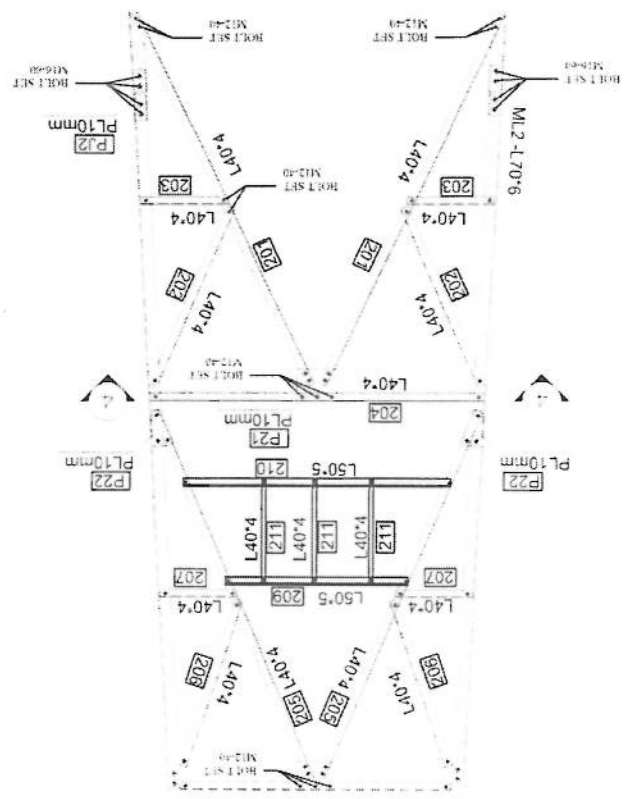
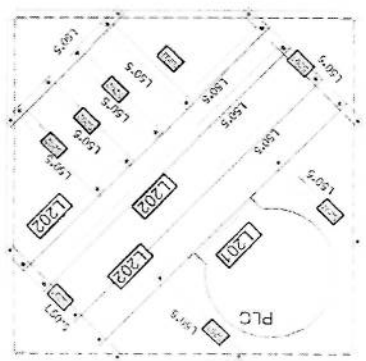
PROFILES GRADE LEGEND

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

SECTION 4-4

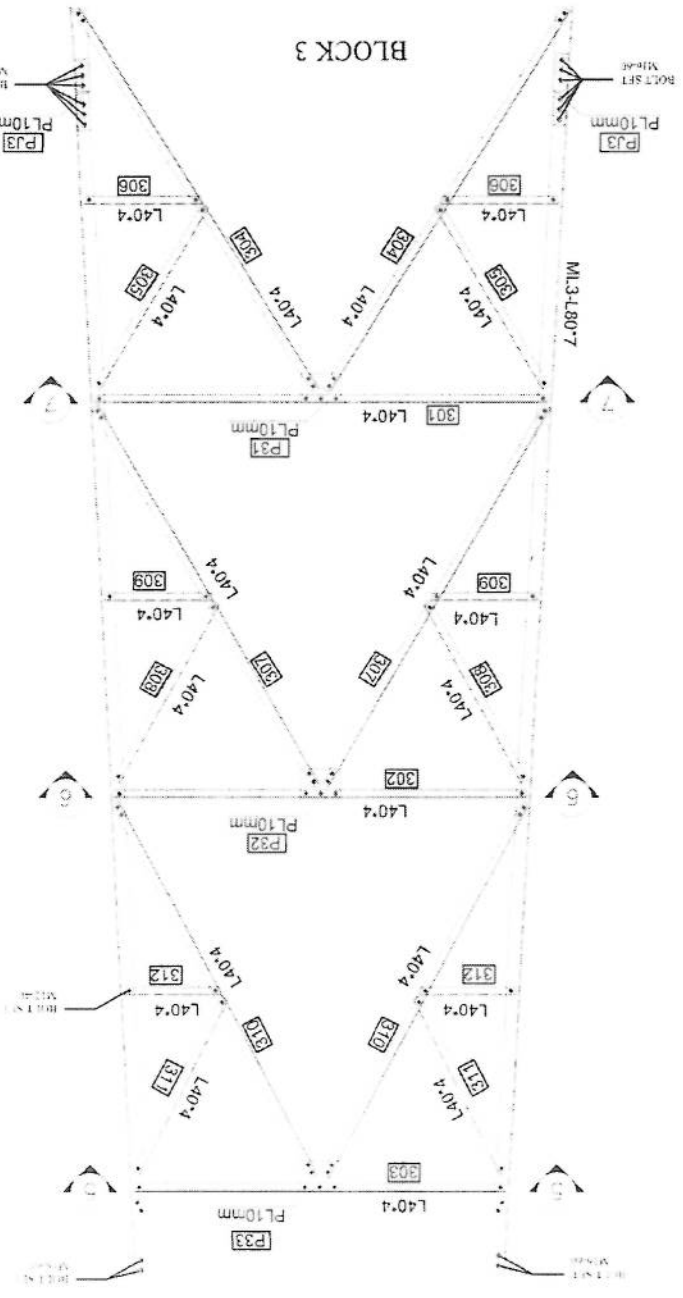


SECTION 4-4

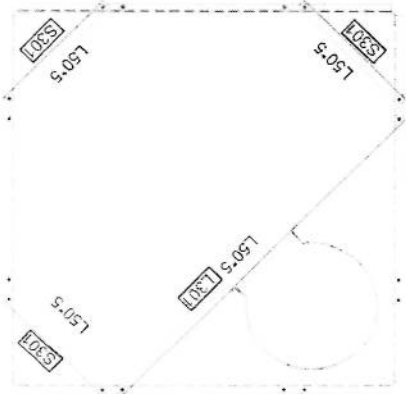
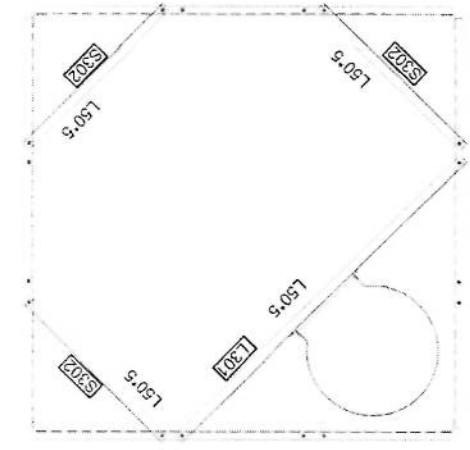
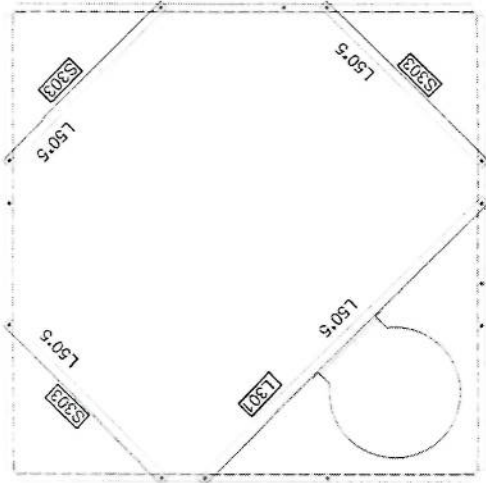


NOT:
1 ALL BOLT SET IN BRACING ARE M12-40
2 ALL BOLT SET IN MAIN LGS AND JOINT ARE M16-60
3 ALL PLATE AND JOINT PLATE ARE PLATE 100mm

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
B13	N13	L80*7	6	51.9738	4	207.8952
B13	S01	L40*4	2.386	5.2505312	4	21.0021248
B13	S02	L40*4	2.122	5.223724	4	20.8949056
B13	S03	L40*4	1.925	4.7387725	4	18.95509
B13	S04	L40*4	2.063	5.5708271	4	22.2833084
B13	S05	L40*4	1.208	2.7225566	4	11.2902264
B13	S06	L40*4	0.573	1.4205541	4	5.6822164
B13	S07	L40*4	1.23	5.485951	4	21.943804
B13	S08	L40*4	1.086	2.6754052	4	10.7016208
B13	S09	L40*4	0.506	1.2048542	4	4.8194168
B13	S10	L40*4	2.185	5.3756445	4	21.502578
B13	S11	L40*4	1.051	2.6118637	4	10.4474548
B13	S12	L40*4	0.479	1.1768805	4	4.707522
B13	S13	L40*4	1	2.0709	4	8.2836
B13	N13	L200*160*10	0.30	2.078778	4	8.315112
B13	P13	L200*160*10	1	3.2003	4	12.8012
B13	P14	L200*160*10	1	3.2003	4	12.8012
B13	P15	L200*160*10	1	3.2003	4	12.8012
B13	P16	L200*160*10	1	3.2003	4	12.8012
B13	P17	L200*160*10	1	3.2003	4	12.8012
B13	P18	L200*160*10	1	3.2003	4	12.8012
B13	P19	L200*160*10	1	3.2003	4	12.8012
B13	P20	L200*160*10	1	3.2003	4	12.8012
B13	P21	L200*160*10	1	3.2003	4	12.8012
B13	P22	L200*160*10	1	3.2003	4	12.8012
B13	P23	L200*160*10	1	3.2003	4	12.8012
B13	P24	L200*160*10	1	3.2003	4	12.8012
B13	P25	L200*160*10	1	3.2003	4	12.8012
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B13	P27	L200*160*10	1	3.2003	4	12.8012
B13	P28	L200*160*10	1	3.2003	4	12.8012
B13	P29	L200*160*10	1	3.2003	4	12.8012
B13	P30	L200*160*10	1	3.2003	4	12.8012
B13	P31	L200*160*10	1	3.2003	4	12.8012
B13	P32	L200*160*10	1	3.2003	4	12.8012
B13	P33	L200*160*10	1	3.2003	4	12.8012
B13	P34	L200*160*10	1	3.2003	4	12.8012
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B13	P47	L200*160*10	1	3.2003	4	12.8012
B13	P48	L200*160*10	1	3.2003	4	12.8012
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B13	P63	L200*160*10	1	3.2003	4	12.8012
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B13	P65	L200*160*10	1	3.2003	4	12.8012
B13	P66	L200*160*10	1	3.2003	4	12.8012
B13	P67	L200*160*10	1	3.2003	4	12.8012
B13	P68	L200*160*10	1	3.2003	4	12.8012
B13	P69	L200*160*10	1	3.2003	4	12.8012
B13	P70	L200*160*10	1	3.2003	4	12.8012
B13	P71	L200*160*10	1	3.2003	4	12.8012
B13	P72	L200*160*10	1	3.2003	4	12.8012
B13	P73	L200*160*10	1	3.2003	4	12.8012
B13	P74	L200*160*10	1	3.2003	4	12.8012
B13	P75	L200*160*10	1	3.2003	4	12.8012
B13	P76	L200*160*10	1	3.2003	4	12.8012
B13	P77	L200*160*10	1	3.2003	4	12.8012
B13	P78	L200*160*10	1	3.2003	4	12.8012
B13	P79	L200*160*10	1	3.2003	4	12.8012
B13	P80	L200*160*10	1	3.2003	4	12.8012
B13	P81	L200*160*10	1	3.2003	4	12.8012
B13	P82	L200*160*10	1	3.2003	4	12.8012
B13	P83	L200*160*10	1	3.2003	4	12.8012
B13	P84	L200*160*10	1	3.2003	4	12.8012
B13	P85	L200*160*10	1	3.2003	4	12.8012
B13	P86	L200*160*10	1	3.2003	4	12.8012
B13	P87	L200*160*10	1	3.2003	4	12.8012
B13	P88	L200*160*10	1	3.2003	4	12.8012
B13	P89	L200*160*10	1	3.2003	4	12.8012
B13	P90	L200*160*10	1	3.2003	4	12.8012
B13	P91	L200*160*10	1	3.2003	4	12.8012
B13	P92	L200*160*10	1	3.2003	4	12.8012
B13	P93	L200*160*10	1	3.2003	4	12.8012
B13	P94	L200*160*10	1	3.2003	4	12.8012
B13	P95	L200*160*10	1	3.2003	4	12.8012
B13	P96	L200*160*10	1	3.2003	4	12.8012
B13	P97	L200*160*10	1	3.2003	4	12.8012
B13	P98	L200*160*10	1	3.2003	4	12.8012
B13	P99	L200*160*10	1	3.2003	4	12.8012
B13	P100	L200*160*10	1	3.2003	4	12.8012



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



SUTUN MYSOOM
ENGINEERING SERVICES

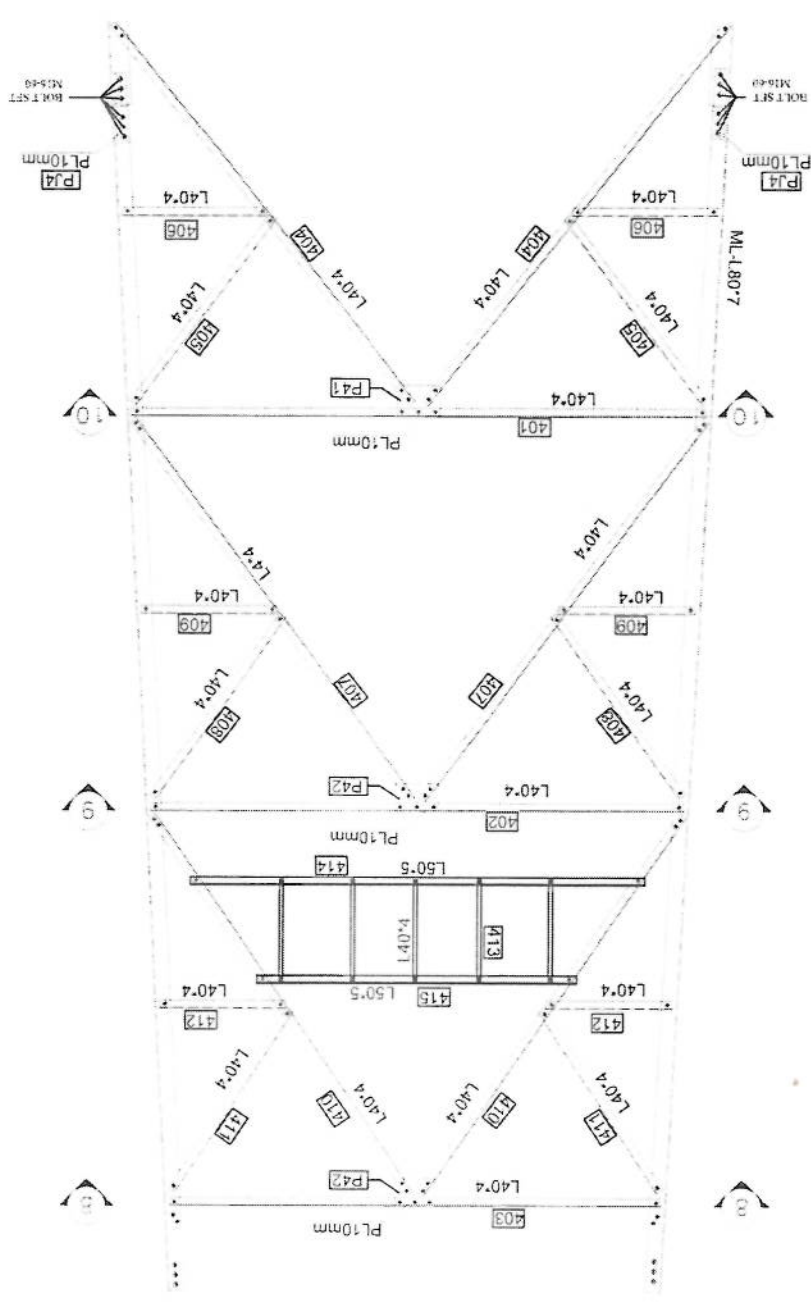
SK
KALAN CO.

APPROVAL DRAWING
FOR TOWER TYPE 40-160-EP410(A1-10m)
PANEL 4

AFGHAN TELECOM

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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

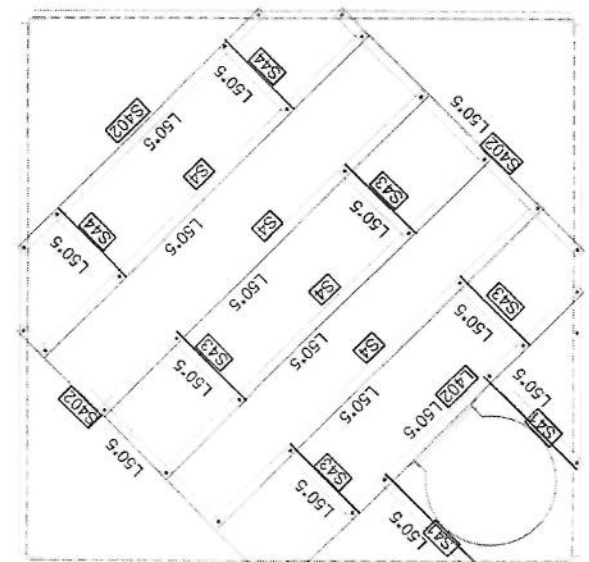


BLOCK 4

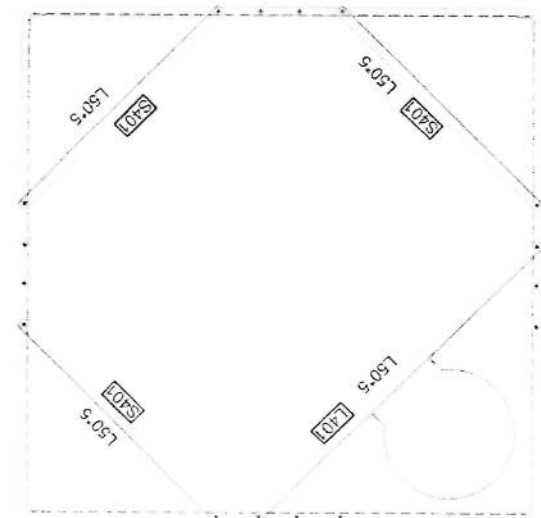
PROFILES GRADE LEGEND
1-L=ST37
2-ML=ST50
3-HT=ST52
4-ALL JOINT PLATES ARE ST52

APPROVAL DRAWING FOR TOWER TYPE 40-160-EPA10(AK1-40M)
PANEL 4
MCHAY TELECOM
SUTAN MYLOOM
BANKAZAN BAKAN CO.
SK
LOGISTICS & ENGINEERING SERVICES

SECTION 9-9



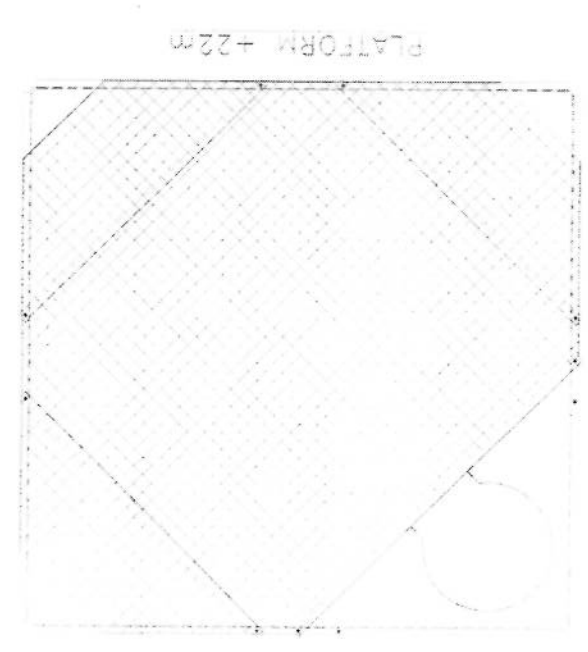
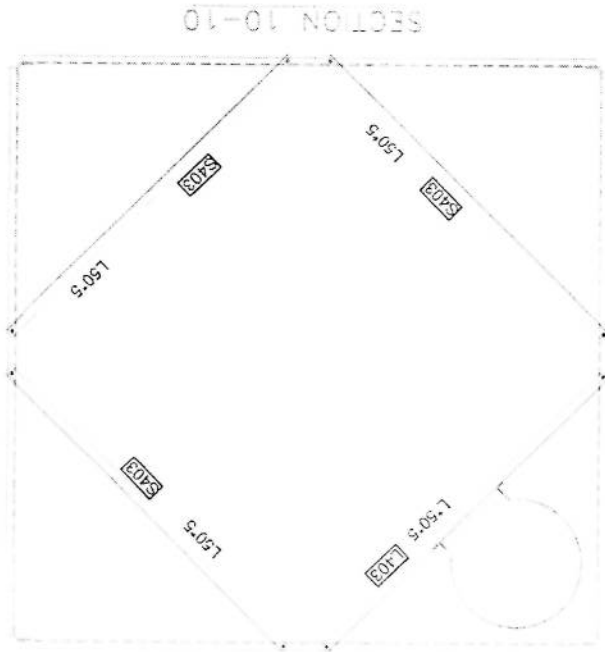
SECTION 8-8



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A B C D E F G

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
B14	M14	L50X7	6.005	52.017115	4	208.068446
B14	401	L40X4	2.955	7.2743235	4	29.097294
B14	402	L40X4	2.75	6.769675	4	27.0787
B14	403	L40X4	2.534	6.2379478	4	24.9517912
B14	404	L40X4	2.444	6.0163948	8	48.1311584
B14	405	L40X4	1.185	2.9171145	8	23.336916
B14	406	L40X4	0.71	1.747807	8	13.982456
B14	407	L40X4	2.38	5.85846	8	46.870768
B14	408	L40X4	1.158	2.8505486	8	22.8051888
B14	409	L40X4	0.664	1.6345668	8	13.0765504
B14	410	L40X4	2.321	5.7136057	8	45.7088456
B14	411	L40X4	1.132	2.786444	8	22.2891552
B14	412	L40X4	0.617	1.5188689	8	12.1509512
B14	413	L40X4	0.545	1.3416265	20	26.83253
B14	414	L50X5	2.293	8.8094767	4	24.434484
B14	415	L50X5	1.59	6.108621	4	7.6645905
B14	L401	L50X5	1.995	7.6645905	1	7.6645905
B14	S401	L50X5	1.519	5.8358461	3	17.5075383
B14	S402	L50X5	1.7	6.53123	3	19.59369
B14	S403	L50X5	1.986	7.6300134	3	22.8900402
B14	L402	L50X5	1.986	7.6300134	1	7.6300134
B14	L403	L50X5	1.986	7.6300134	1	7.6300134
B14	S4	L50X5	1.387	5.3827153	4	21.3148612
B14	S44	L50X5	0.61	2.343559	2	4.687118
B14	S41	L50X5	0.62	2.381978	2	4.763956
B14	S43	L50X5	0.467	1.7941673	4	7.1766692
B14	P41	PL300*200*10	1	4.8513	4	19.4052
B14	P42	PL300*200*10	1	4.8513	4	19.4052
B14	P43	PL300*200*10	1	4.8513	4	19.4052
B14	N44	L70X6	0.42	2.729705	4	10.918824
B14	PJ4	PL420*80*10	1	2.7192	8	21.7536
B14	Boil Set	M16-60	1	0.16274	64	10.41536
B14	Boil Set	M12-40	1	0.06796	372	25.28556
B14	Washer	PL100X40X8	1	0.2575	20	5.15
B14	MESH	HEVY MESH	5.1	57.783	1	57.783
B14	WASHER		1	0.008446	436	3.682456
TOTAL WEIGHT						938.12 Kg



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

AGHANY TELECOM

SUTTON MYSOON
ENGINEERING SERVICES

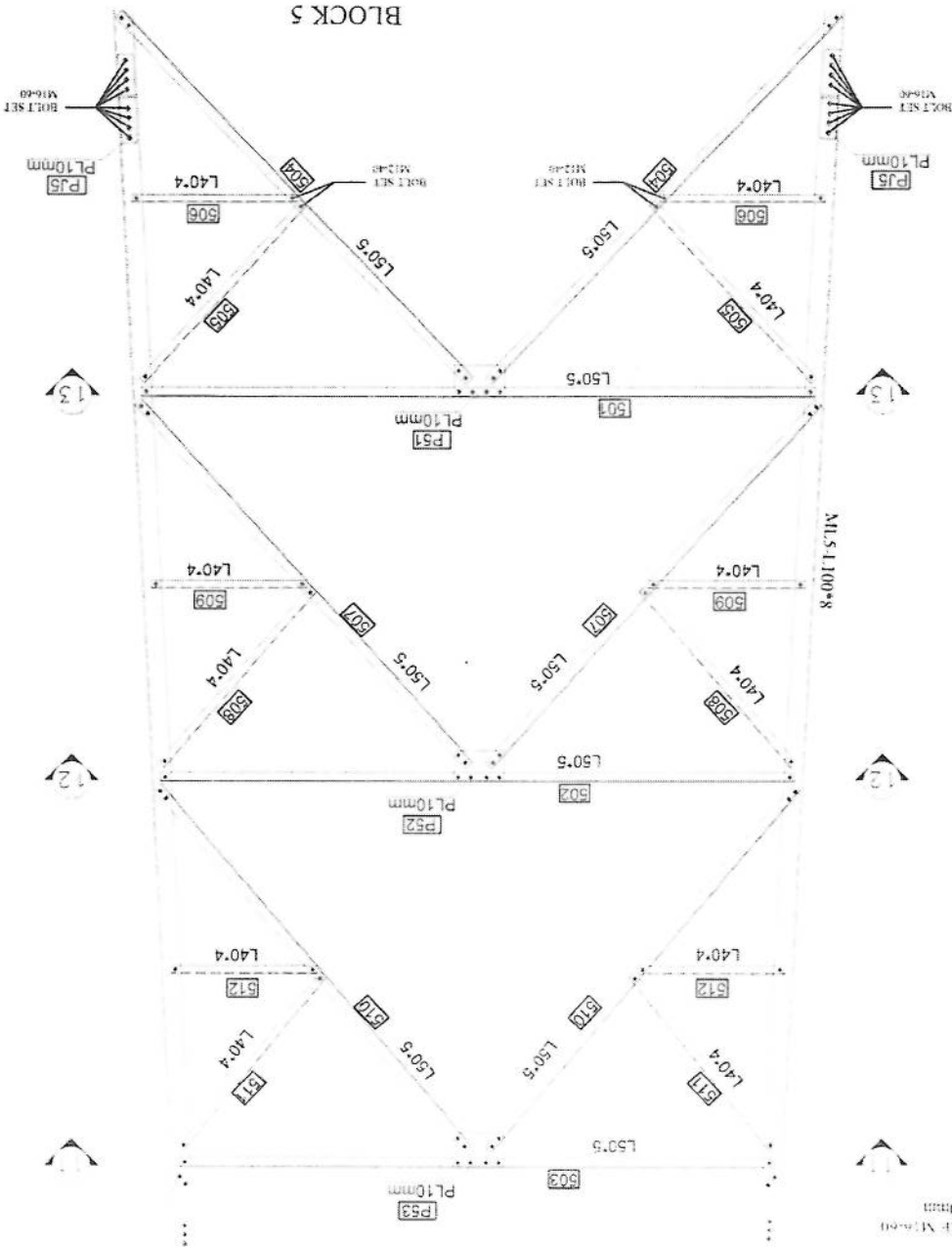
SK

BAHAYAN
KALAN CO

OPC

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BL5	ML5	L100X8	6.005	74.592909	4	298.371636
BL5	BL5	L50X5	3.588	13.7847372	4	55.1389488
BL5	S02	L50X5	3.382	12.9933058	4	51.9732232
BL5	S03	L50X5	3.177	12.2057163	4	48.8228652
BL5	S04	L50X5	2.648	10.1733512	8	81.3868096
BL5	S05	L40X4	1.24	3.052508	8	24.420064
BL5	S06	L40X4	0.818	2.0136706	8	16.1093648
BL5	S07	L50X5	2.577	9.9005763	8	79.2046104
BL5	S08	L40X4	1.208	2.9737336	8	23.7896888
BL5	S09	L40X4	0.771	1.8979707	8	15.1837656
BL5	S10	L50X5	2.514	9.6585366	8	77.2682928
BL5	S11	L40X4	1.177	2.8974209	8	23.1793672
BL5	S12	L40X4	0.724	1.7822708	8	14.2581664
BL5	S13	L60X5	1.98	9.197694	3	27.593082
BL5	S14	L60X5	1.98	9.197694	3	27.593082
BL5	P51	PL260*180*10	3.7801	3.7801	4	15.1204
BL5	P52	PL260*180*10	3.7801	3.7801	4	15.1204
BL5	P53	PL260*180*10	3.7801	3.7801	4	15.1204
BL5	BL5-60	M16-60	0.16274	0.06798	64	10.41536
BL5	Bolt Set	M12-40	1	0.06798	288	19.57824
BL5	M15	L80X7	0.42	3.638166	4	14.552664
BL5	PJ5	PL420*90*10	1	3.0591	8	24.4728
BL5	Washer		1	0.008446	350	2.9561
						1036.82 Kg

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

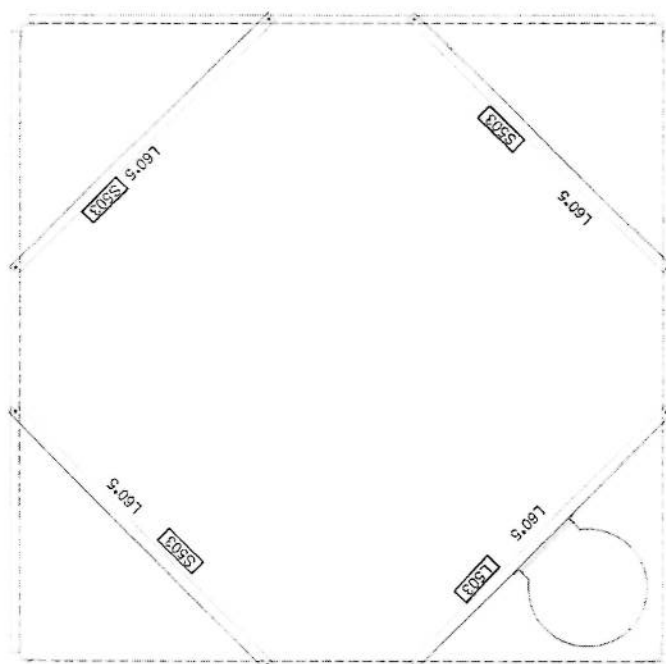


BLOCK 5

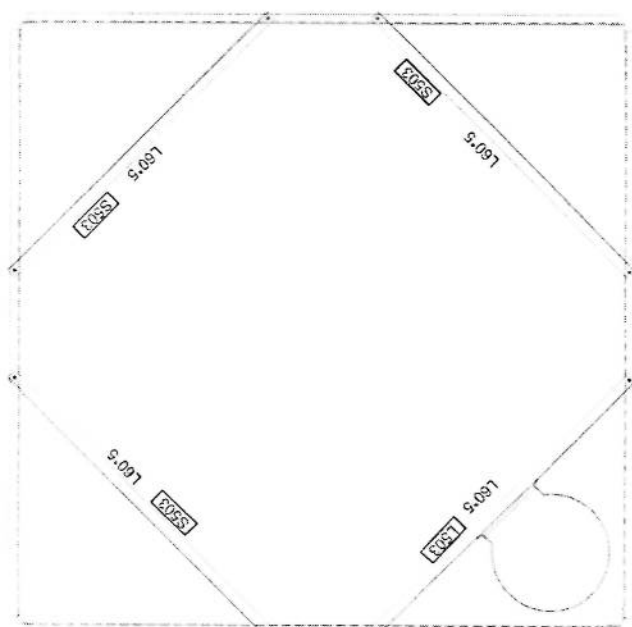
DESIGN AND MANUFACTURE
BY
SUTAN MYLOOM
FOR TOWER TYPE 40-160-CPA10(AKI-40m)
PANEL 2
APPROVAL DRAWING
ALGHAN TELECOM

SK
SUTAN MYLOOM
ENGINEERING SERVICES

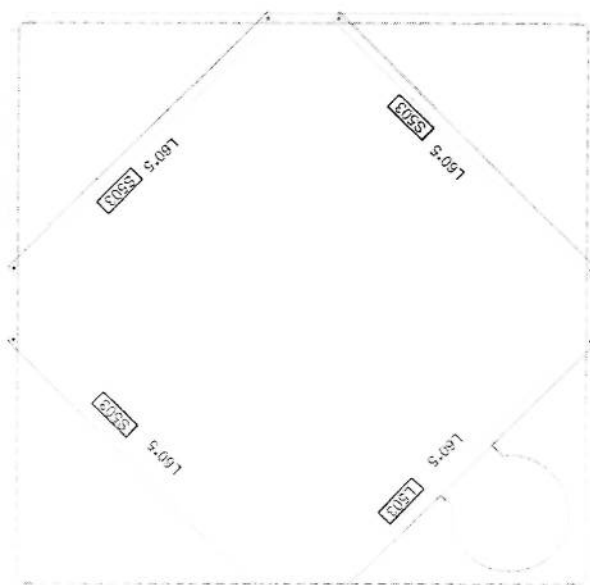
SECTION 13-13



SECTION 12-12

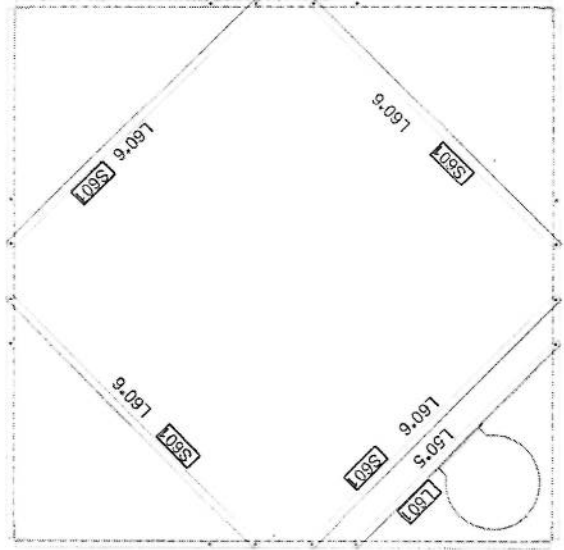


SECTION 11-11

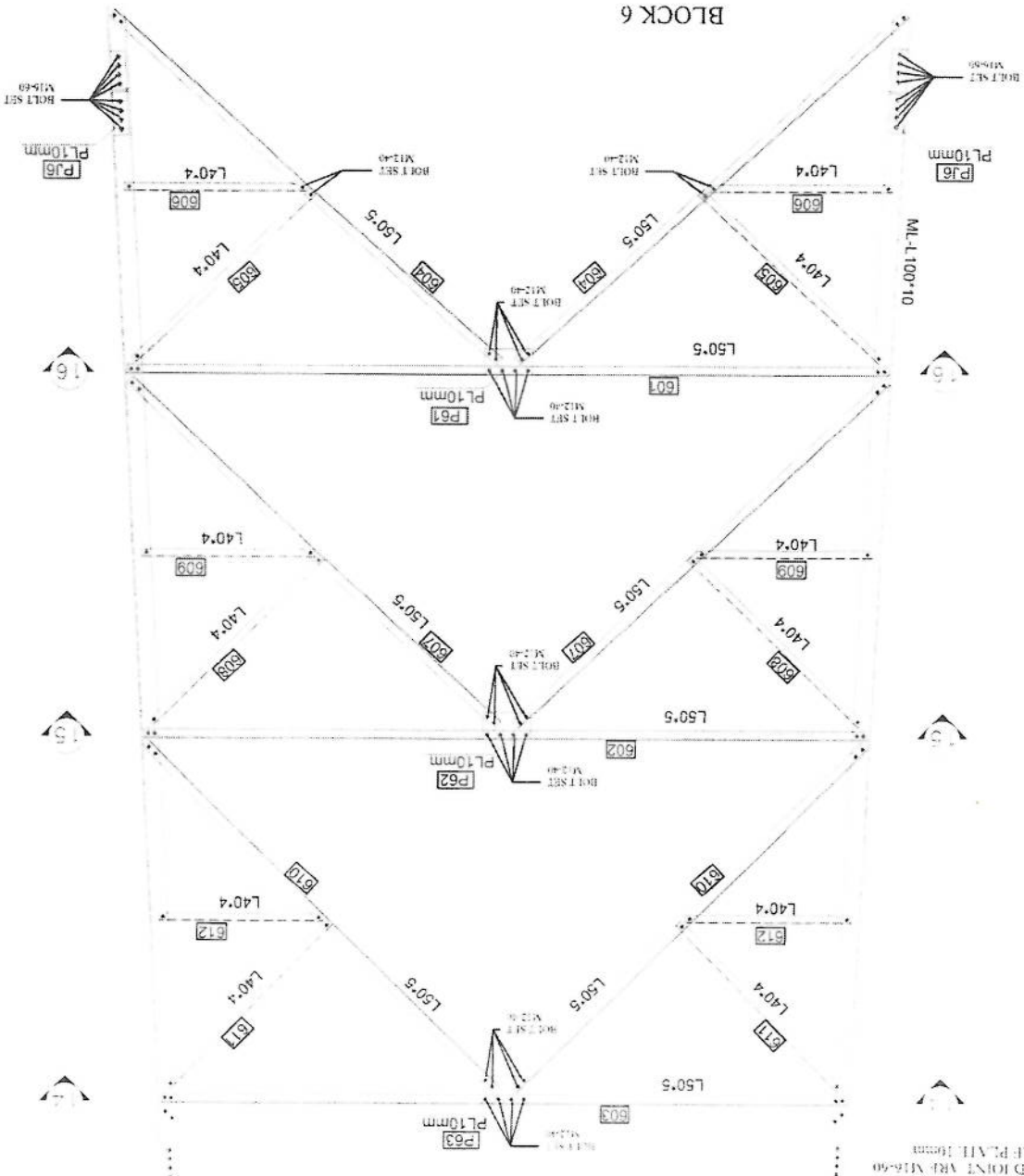


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SECTION 14-14



BLOCK 6



NOTE
1. ALL BOLT SET IN BRACING ARE M12.40
2. ALL BOLT SET IN MAIN LUGS AND JOINT ARE M16.60
3. ALL PLATE AND JOINT PLATE ARE PL10mm

AFGHAN TELECOM
APPROVAL DRAWING
FOR TOWER TYPE 40-160-100(4x1-40m)
SHEET 4
SUTUN MANSOOR
DURRANZAY KATAYLO
SK
PCC

SUTUN MANSOOR
ENGINEERING & CONSULTING
LOGISTICS & SERVICES

5 4 3 2 1

NOTE:
1. ALL BOLTS SET IN BRASS AND M12-40
2. ALL BOLT SETS IN MAIN LUGS AND JOINT ARE M16-60
3. ALL BRACE AND JOINT PLATE ARE M12-40

Block	Mark	Description	Length	WEIGHT	Qty	TOTAL WEIGHT
BL6	ML 6	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	10.9724654	8	87.779712
BL6	605	L40X4	1.342	3.3036014	8	26.428812
BL6	606	L40X4	0.954	2.3464618	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	3.1285207	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	PJ 6	PL420*90*10	1	3.0591	8	24.4728
BL6	MU6	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
						1267.39 Kg

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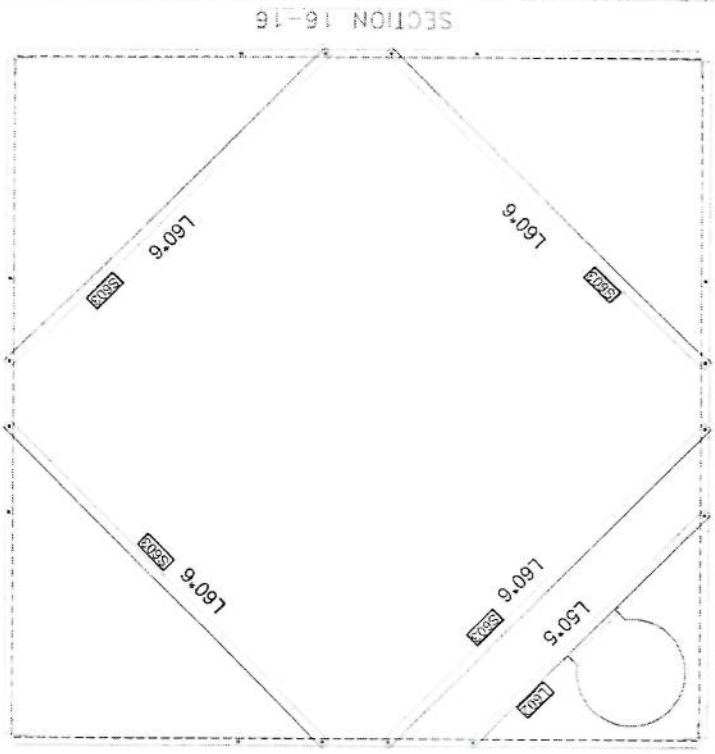
C

D

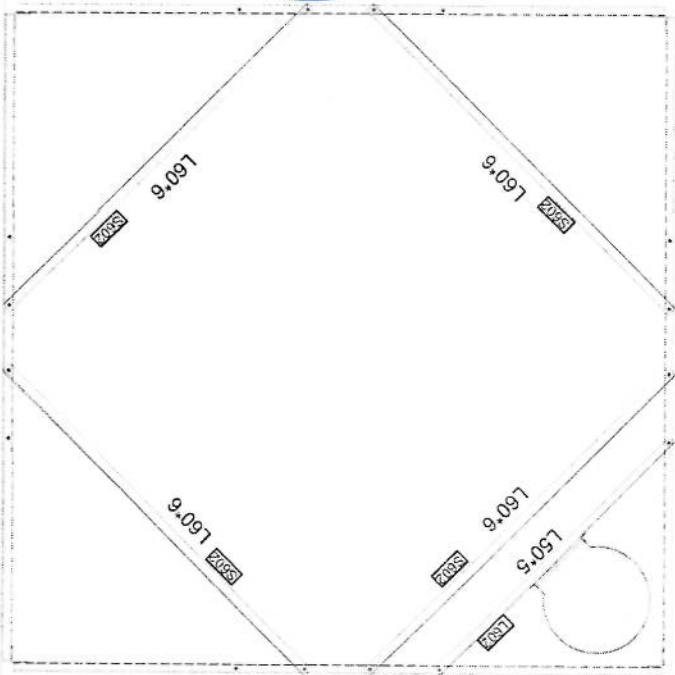
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SECTION 16-16



SECTION 15



4-ALL JOINT PLATES ARE ST52

3-HT=ST52

2-ML=ST60

4-1 = ST37



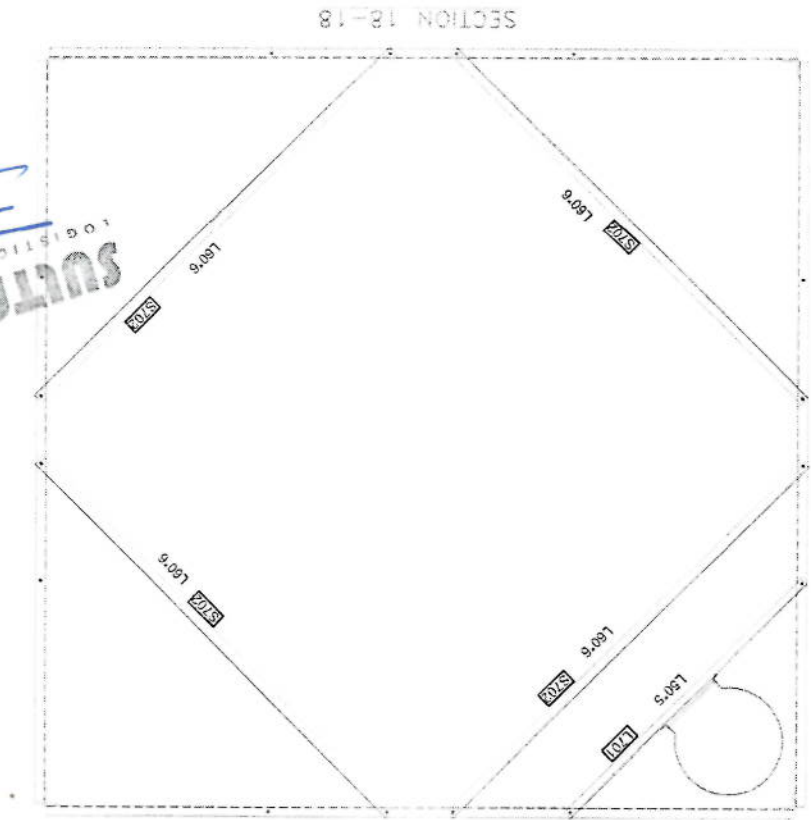
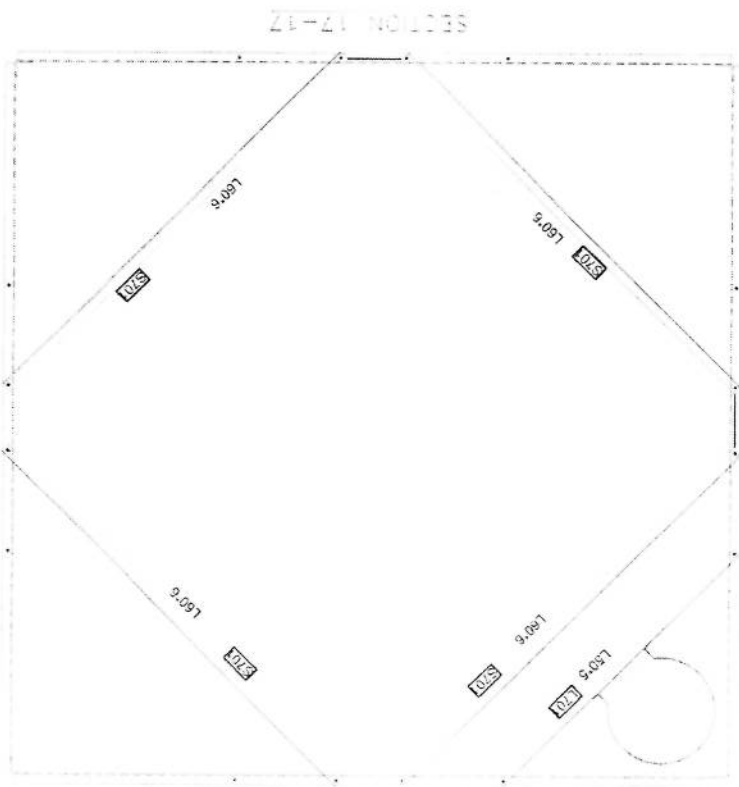
410N

7 MET BOLT SET IN BRACKING AREA M12-40

...WILL BOLE SLIT IN MANTLES AND JOINTS ARE M... 6-60

CONCRETE AND JOINT FLAT ARE PLATE FORM

A B C D E F G



SUTAN MYSOON
LOGISTICS ENGINEERING SERVICES

PROJECT NO. 18-18	
DATE: 18/01/2018	
DRAWN BY: SK	
CHECKED BY: SK	
APPROVED BY: SK	
PROJECT NAME: SECTION 18-18	
PROJECT LOCATION: SECTION 18-18	
PROJECT DESCRIPTION: SECTION 18-18	
PROJECT STATUS: SECTION 18-18	
PROJECT BUDGET: SECTION 18-18	
PROJECT RISK: SECTION 18-18	
PROJECT IMPACT: SECTION 18-18	
PROJECT BENEFIT: SECTION 18-18	
PROJECT COST: SECTION 18-18	
PROJECT TIME: SECTION 18-18	
PROJECT QUALITY: SECTION 18-18	
PROJECT SAFETY: SECTION 18-18	
PROJECT ENVIRONMENT: SECTION 18-18	
PROJECT SOCIETY: SECTION 18-18	
PROJECT ECONOMY: SECTION 18-18	
PROJECT CULTURE: SECTION 18-18	
PROJECT IDENTITY: SECTION 18-18	
PROJECT REPUTATION: SECTION 18-18	
PROJECT IMAGE: SECTION 18-18	
PROJECT BRAND: SECTION 18-18	
PROJECT LOGO: SECTION 18-18	
PROJECT TAGLINE: SECTION 18-18	
PROJECT MISSION: SECTION 18-18	
PROJECT VISION: SECTION 18-18	
PROJECT VALUES: SECTION 18-18	
PROJECT PRINCIPLES: SECTION 18-18	
PROJECT STANDARDS: SECTION 18-18	
PROJECT PROCEDURES: SECTION 18-18	
PROJECT POLICIES: SECTION 18-18	
PROJECT STRATEGIES: SECTION 18-18	
PROJECT TACTICS: SECTION 18-18	
PROJECT OPERATIONS: SECTION 18-18	
PROJECT MAINTENANCE: SECTION 18-18	
PROJECT REPAIRS: SECTION 18-18	
PROJECT REPLACEMENTS: SECTION 18-18	
PROJECT UPGRADES: SECTION 18-18	
PROJECT MODIFICATIONS: SECTION 18-18	
PROJECT IMPROVEMENTS: SECTION 18-18	
PROJECT OPTIMIZATIONS: SECTION 18-18	
PROJECT INNOVATIONS: SECTION 18-18	
PROJECT RESEARCH: SECTION 18-18	
PROJECT DEVELOPMENT: SECTION 18-18	
PROJECT TESTING: SECTION 18-18	
PROJECT EVALUATION: SECTION 18-18	
PROJECT REVIEW: SECTION 18-18	
PROJECT FEEDBACK: SECTION 18-18	
PROJECT LEARNING: SECTION 18-18	
PROJECT GROWTH: SECTION 18-18	
PROJECT SUCCESS: SECTION 18-18	

G

F

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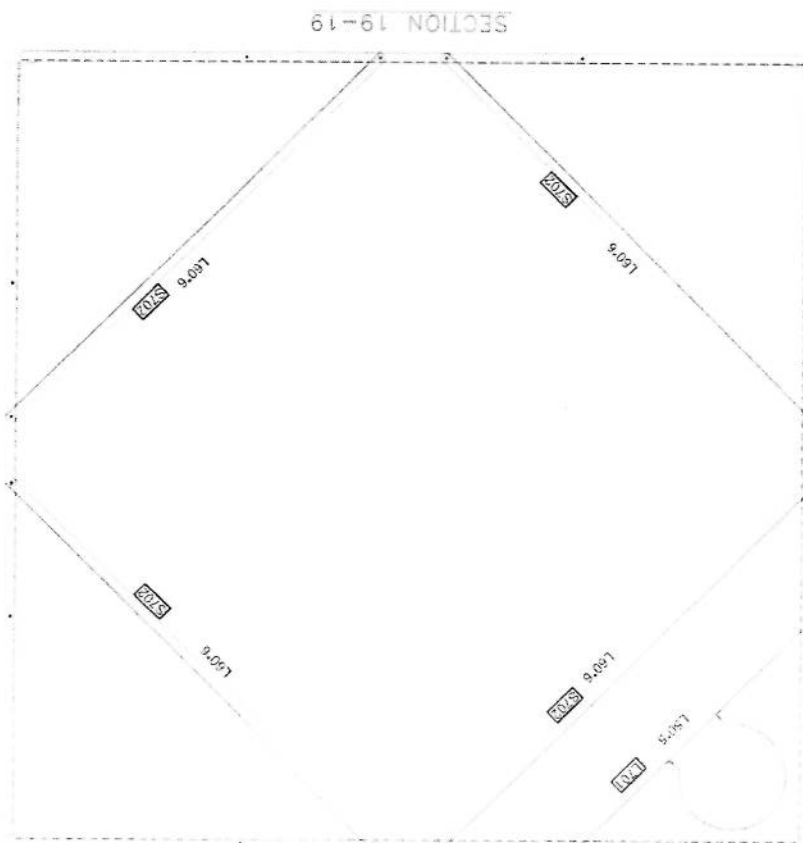
D

C

B

A

Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BL7	ML7	L100X10	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	L40X4	1.403	3.4537651	8	27.6301208
BL7	706	L40X4	1.072	2.6389424	8	21.115392
BL7	707	L60X6	2.855	15.7912905	8	126.330324
BL7	708	L40X4	1.348	3.3183716	8	26.5469728
BL7	709	L40X4	1.028	2.5306276	8	20.2450208
BL7	710	L60X6	2.779	15.3709269	8	122.9674152
BL7	711	L40X4	1.315	3.2371355	8	25.897084
BL7	712	L40X4	0.985	2.4247745	8	19.398196
BL7	L701	L50X5	2	7.6838	3	23.0514
BL7	S701	L60X6	2.876	15.9074436	4	63.6297744
BL7	S702	L60X6	3	16.5933	8	132.7464
BL7	P71	PL300*175*10	1	4.2436	4	16.9744
BL7	P72	PL300*175*10	1	4.2436	4	16.9744
BL7	P73	PL300*175*10	1	4.2436	4	16.9744
BL7	PJ7	PL420*90*10	1	3.0591	8	24.4728
BL7	ML7	L80X7	0.42	3.638166	4	14.552664
BL7	Bolt Set	M16-60	1	0.16274	64	10.41536
BL7	Bolt Set	M12-40	1	0.06798	318	21.61764
BL7	Washer		1	0.008446	382	3.226372
						1508.92 Kg



LOGISTICS ENGINEERING SERVICES

SUTAN MYSOON

FOR TOWER TYPE 40 (EPA104K1-40-7)

PANEL 4

APPROVAL SIGNATURE

APPROVAL DATE

APPROVAL TIME

APPROVAL PLACE

APPROVAL BY

APPROVAL DATE

APPROVAL TIME

APPROVAL PLACE

APPROVAL BY



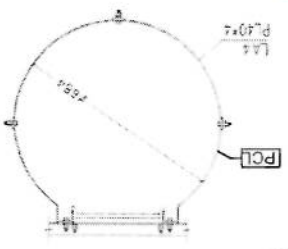
SULTAN MYSLOOM

FOR TOWER TYPE 40-160-EP10-AK1-40M)

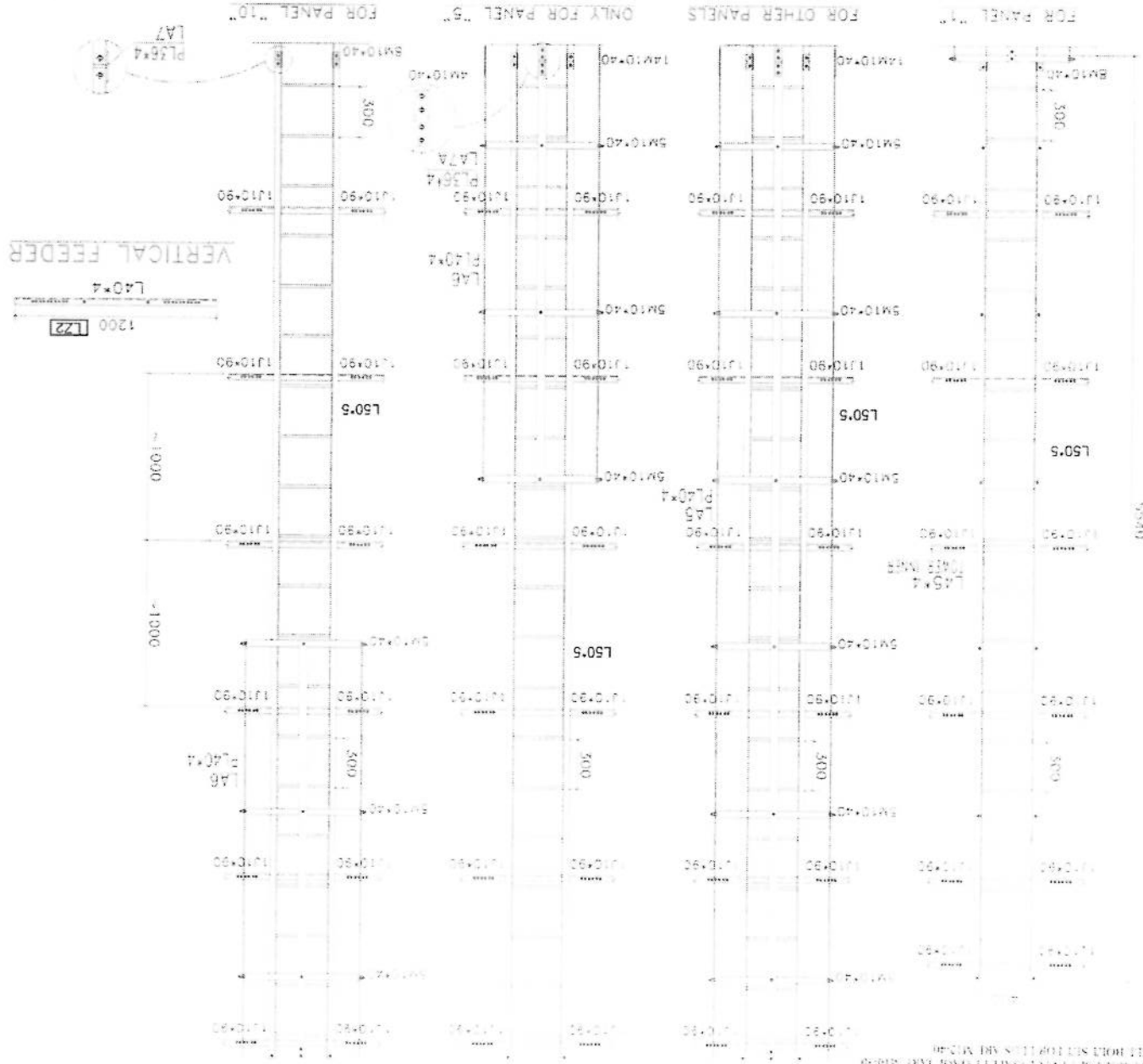
APPROVAL DRAWING



SULTAN MYSLOOM



Block	Mark	Description	Length	WEIGHT	Qty	Total
Ladder	PCL	PL40X4	1.875	2.43375	29	70.56875
Ladder	PL6	PL40X4	5.868	7.615904	3	22.84772
Ladder	PL5	PL40X4	5.996	7.7816088	3	23.345264
Ladder	PL4	PL40X4	4.168	5.4092304	3	16.227612
Ladder	PL3	PL40X4	5.603	7.271734	3	21.8147202
Ladder	PL2	PL40X4	1.448	1.8792144	3	5.6376432
Ladder	PL1	PL40X4	4.05	5.25609	3	15.76827
Ladder	LT7	LS0X5	5.995	23.0321905	2	46.064381
Ladder	LT6	LS0X5	5.995	23.0321905	2	46.064381
Ladder	LT5	LS0X5	5.995	23.0321905	2	46.064381
Ladder	LT4	LS0X5	5.997	23.038743	2	46.079486
Ladder	LT3	LS0X5	5.997	23.038743	2	46.079486
Ladder	LT2	LS0X5	2.998	11.5180162	2	23.0360324
Ladder	LT1	LS0X5	6.048	23.2358112	2	46.4716224
Ladder	MOD	φ 16	0.57	2.18883	2	4.37766
Ladder	JPP	PL18X40X8	0.478	0.8137	134	109.0398
Ladder	JPP	PL18X40X8	0.2678	0.4728	9	4.2642
Ladder	PL1	PL105X40X8	1	0.2678	24	6.4272
Ladder	LT2	LS0X5	1.2	2.95404	40	118.1616
Ladder	φ 10	φ 10	0.1	0.06386	80	5.1088
Ladder	BOLT SET	M10-30	1	0.05974	150	8.961
Ladder	BOLT SET	M12-40	1	0.06798	84	5.1032
Ladder	Washer		1	0.008446	234	1.976364
TOTAL WEIGHT						746.89 kg

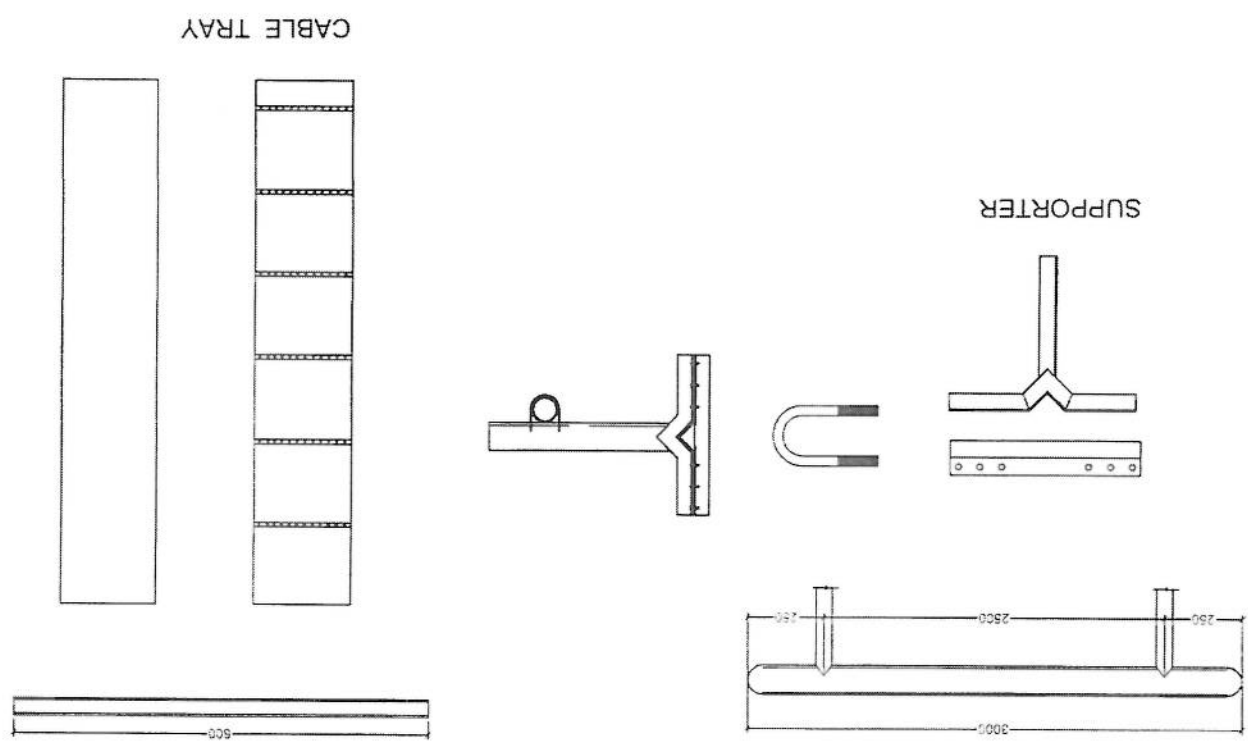


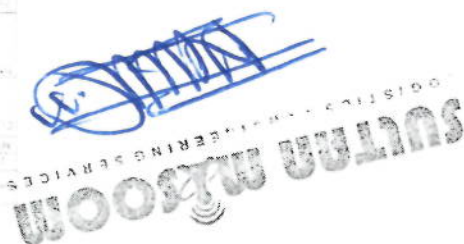
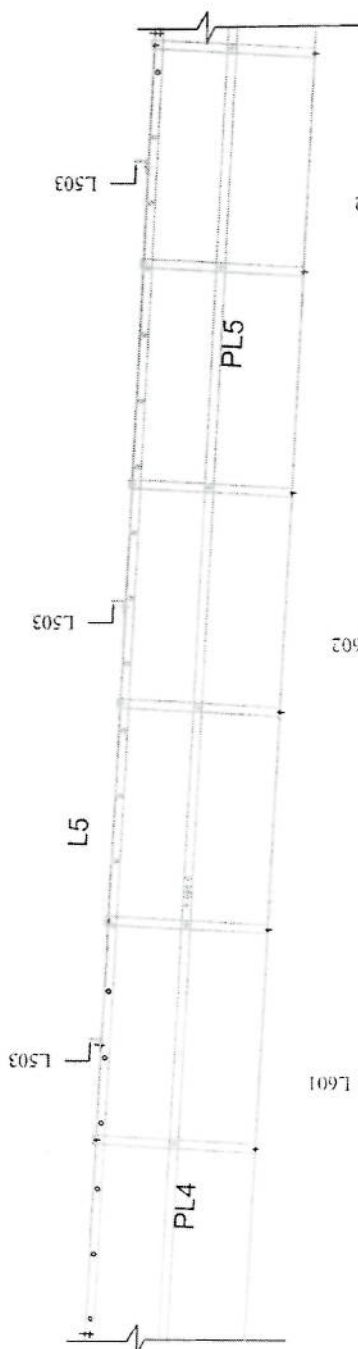
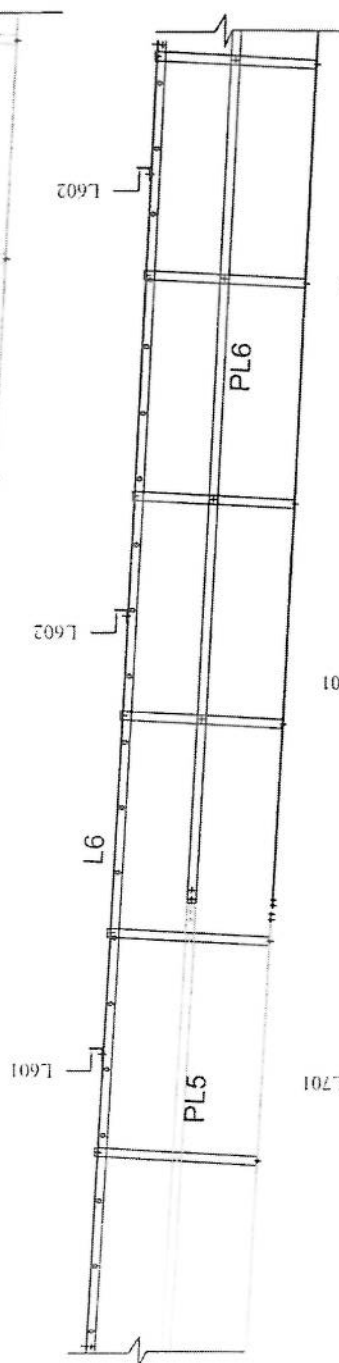
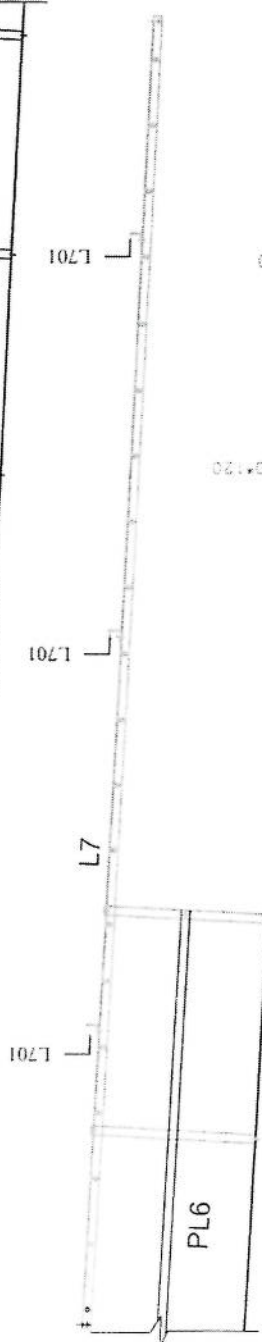
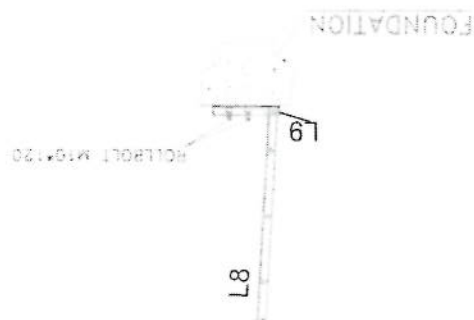
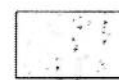
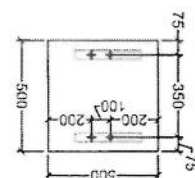
A B C D E F G

DATE: 01/01/2017	
PROJECT NO: 10171	
DESIGN NO: 10171	
DESIGN AND MANUFACTURE	
SULTAN MYSLOOM	
FOR TOWER TYPE 40-160-EPA10(AK1-40m)	
APPROVAL DRAWING	
CLIENT: MICHAN TITUM	
DESIGNER: MICHAN TITUM	
CHECKER: MICHAN TITUM	
DATE: 01/01/2017	

SULTAN MYSLOOM
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		2.60796	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





A B C D E F G

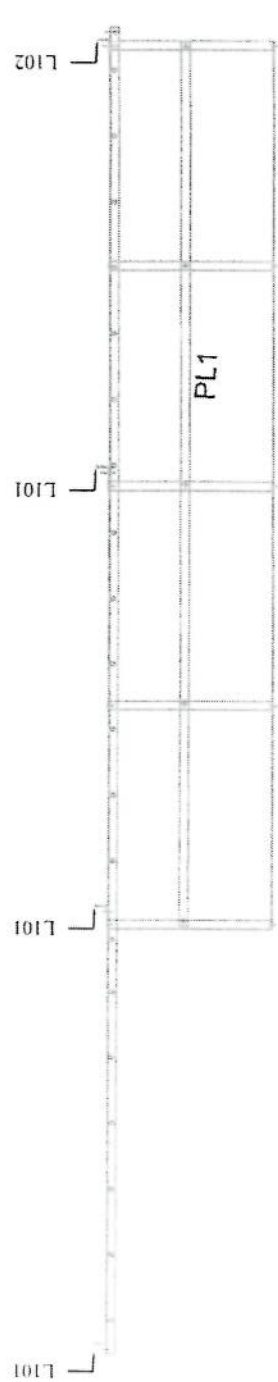
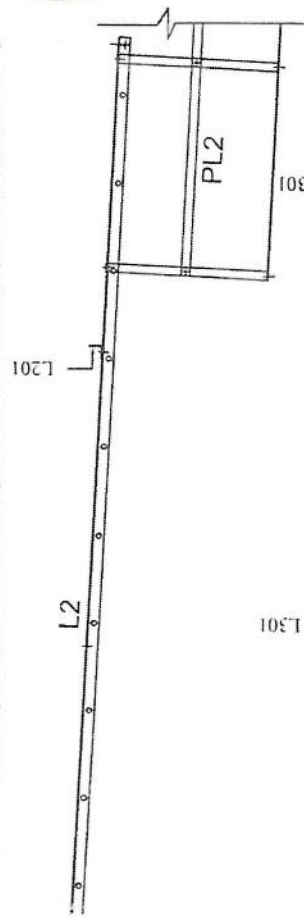
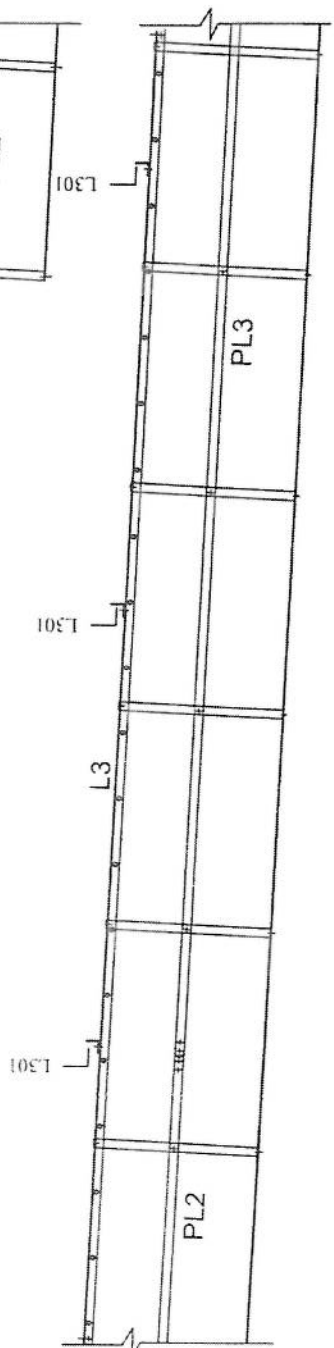
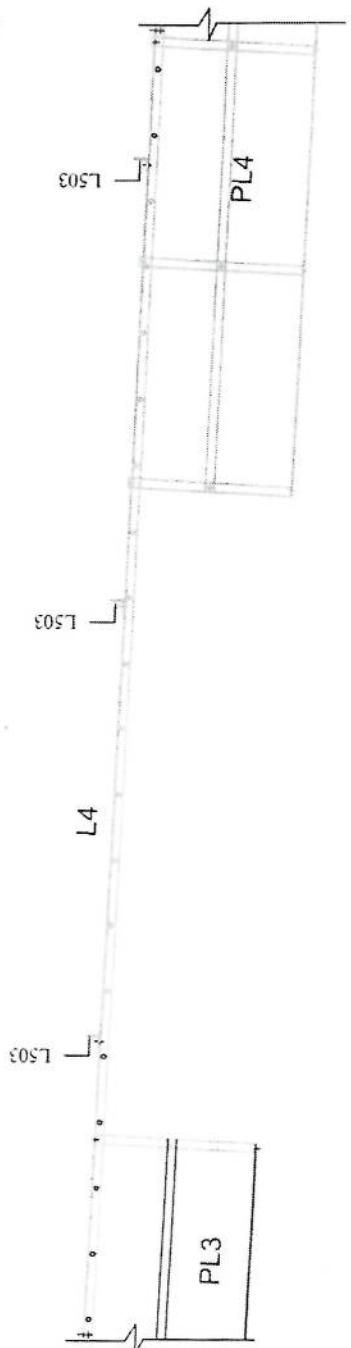
1

2

3

4

5



SUTAN MYROOM
LOGISTICS & ENGINEERING SERVICES

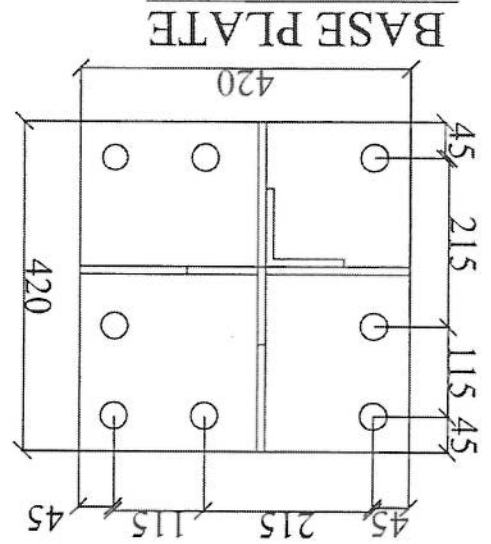
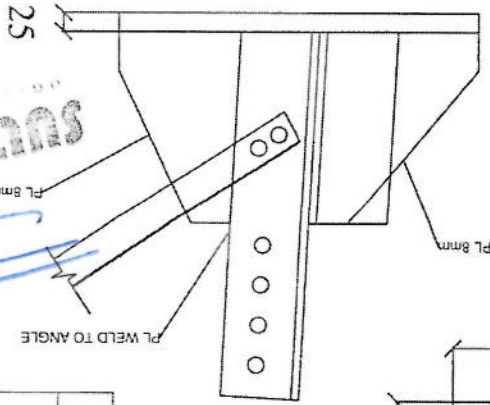
APPROVAL DRAWING
AFGHAN TELECOM

FOR TOWER TYPE 40-160-2PA10(AK1-40m)
PANEL 4

SUTAN MYROOM
ENGINEERING & CONSTRUCTION

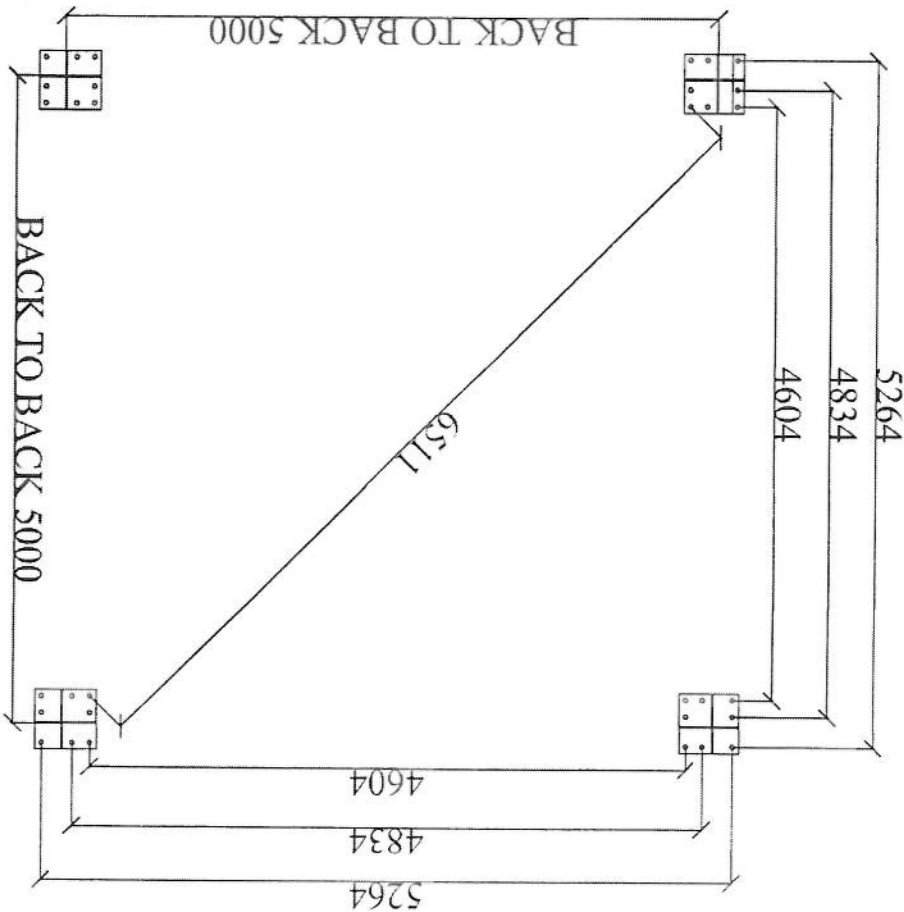
SK





Block	Mark	Description	Length	WEIGHT	Qty	Total Weight
BASE	B5	PL 42X24X2.5	1	35.6586	4	142.6344
BASE	SIF	PL250*180*8	1	3.0591	2	6.1182
BASE	SIF	PL250*130*8	1	2.1012	2	4.2024
BASE	ANGLE	L100X10	0.5	7.6938	30	230.7352
BASE	ANGLE	L100X10	0.25	3.8419	4	15.3676
BASE	ANCHOR BOLT	Φ 30	1.1	6.28815	32	201.2768
BASE	TEB/PLATE	PL40X40X5	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

SECTION OF BASE PLATE

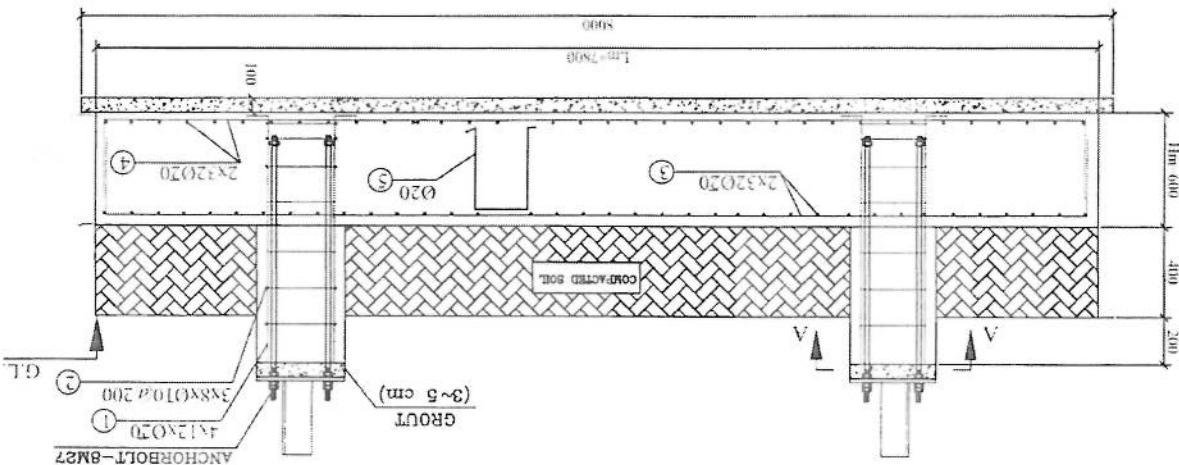
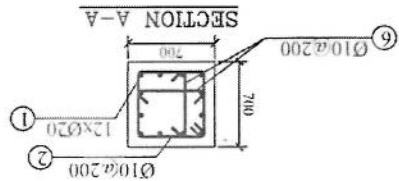
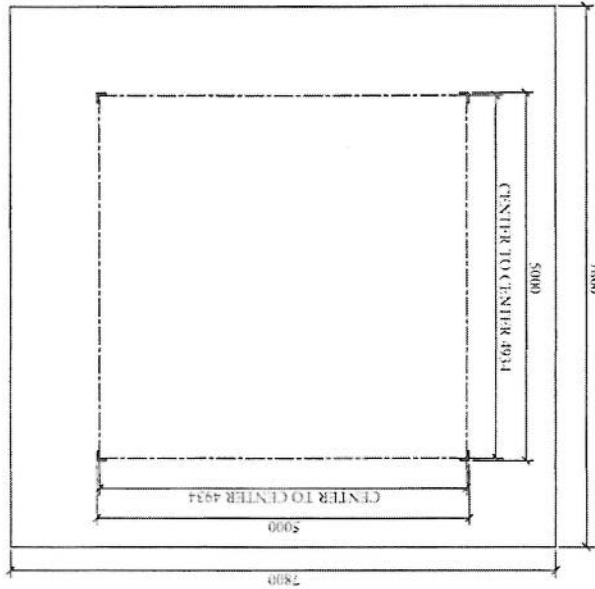
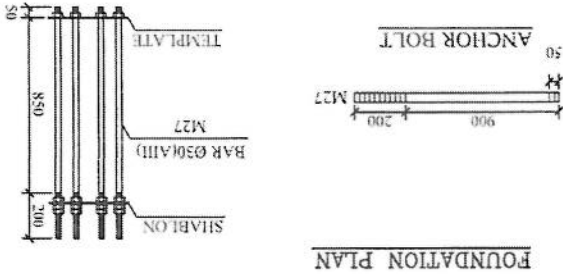


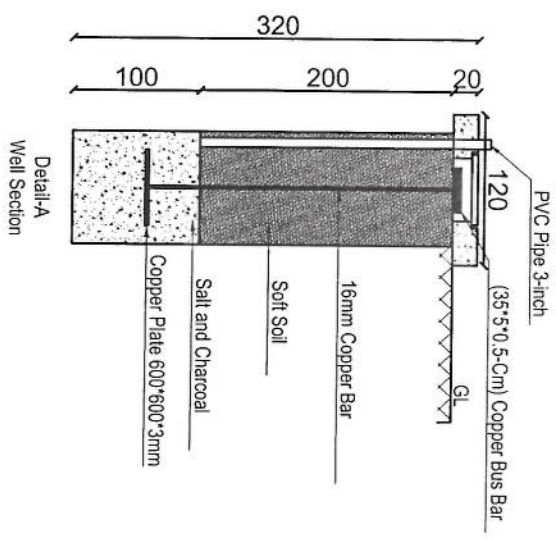
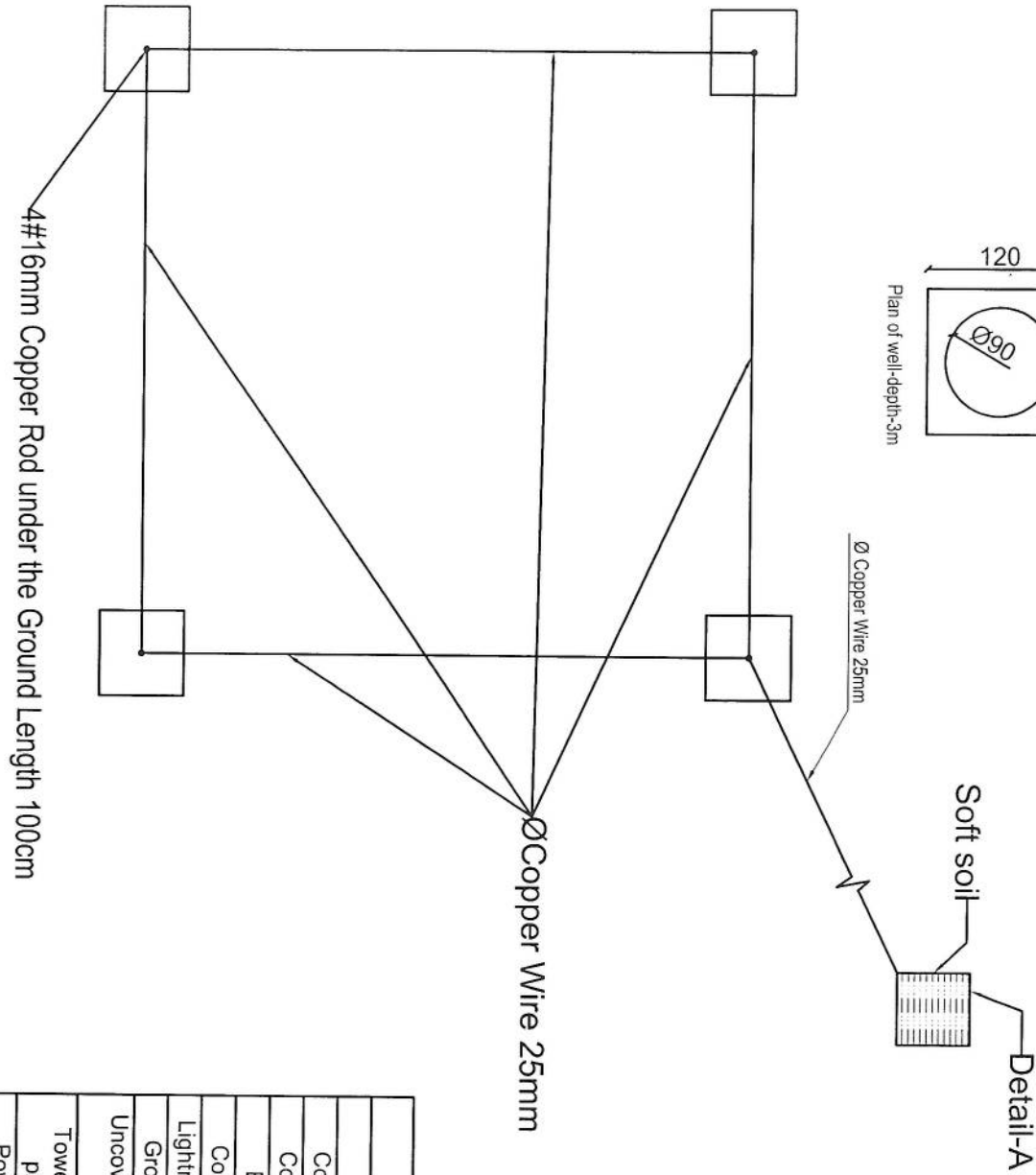
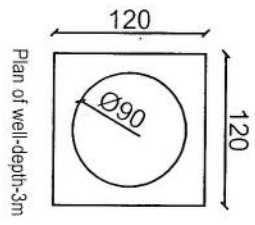
SUTAN M. ROOM
CONSULTING ENGINEERING SERVICES

POS.	SECTION DIAGRAM	#	NO.	UNIT	LENGTH	UNIT	WEIGHT	UNIT	WEIGHT	CON. VOL.	TOTAL WEIGHT (kg)
1		10#	20	12*4	1.35	64.8	2.47	160	36		
2		L=240 550	10	6*4	2.40	57.6	0.617	36	1304		
3		30#	20	32*2	8.25	528	2.47	1304	258		
4		30#	20	32*2	8.25	528	2.47	1304	258		
5		30#	20	58	1.80	104.4	2.47	258	22		
6		10#	10	48	0.75	36	0.617	22			
CON. VOL. = 37.7m³ TOTAL WEIGHT (kg) : 3084											

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

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





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

01 Grounding system- well plan & section

01 REF. A101

SCALE: 1:75

REVISION RECORDS	
REVISION NO	DATE DESCRIPTION
1	10/05/2025

LEGEND:

□ RCC

PROJECT TITLE / NO:

GSM SITES

موقع های GSM

DRAWING TITLE:

40m Tower Grounding System

سیستم گراوندینگ دکل 40متری

DRAWN BY:

CIVIL TEAM

تیم عمران

CHECKED BY:

مهندس

APPROVED BY:

مهندس

SCALE: 1:75

ACTUAL DATE: 10/05/2025

ISSUE DATE: DRG NO: 01

OWNER:

AFGHAN TELECOM

شرکت افغان تله کوم

Islam Telecommunication Company

KABUL

AFGHANISTAN