



SHAPE OF BARS

- ① #10, L=8000 mm
- ② #10, L=8000 mm
- ③ #10, L=7600 mm
- ④ #10, L=8300 mm
- ⑤ #10, L=900 mm
- ⑥ #10, L=8000 mm
- ⑦ #10, L=7600 mm
- ⑧ #10, L=8200 mm
- ⑨ #10, L=9200 mm
- ⑩ #10, L=10200 mm
- ⑪ #10, L=4750 mm
- ⑫ #10, L=11250 mm
- ⑬ #10, L=8250 mm
- ⑭ #10, L=7500 mm
- ⑮ #10, L=7400 mm
- ⑯ #10, L=3000 mm
- ⑰ #10, L=8400 mm
- ⑱ #10, L=3400 mm
- ⑲ #10, L=7100 mm
- ⑳ #10, L=3900 mm
- ㉑ #10, L=5400 mm
- ㉒ #10, L=8070 mm
- ㉓ #10, L=4750 mm
- ㉔ #10, L=6750 mm
- ㉕ #10, L=1500 mm
- ㉖ #10, L=10 mm
- ㉗ #10, L=105 mm
- ㉘ #10, L=1105 mm
- ㉙ #10, L=34 mm
- ㉚ #10, L=47.6 mm
- ㉛ #10, L=100.8 mm
- ㉜ #10, L=9 mm
- ㉝ #10, L=6.8 mm
- ㉞ #10, L=10.100 mm
- ㉟ #10, L=20.8 mm
- ㊱ #10, L=5850 mm
- ㊲ #10, L=10700 mm
- ㊳ #10, L=5200 mm
- ㊴ #10, L=2850 mm
- ㊵ #10, L=6500 mm
- ㊶ #10, L=8400 mm
- ㊷ #10, L=8500 mm
- ㊸ #10, L=7500 mm
- ㊹ #10, L=7100 mm
- ㊺ #10, L=5200 mm
- ㊻ #10, L=8000 mm
- ㊼ #10, L=8150 mm
- ㊽ #10, L=1500 mm
- ㊾ #10, L=2500 mm
- ㊿ #10, L=4200 mm
- ① #10, L=4000 mm
- ② #10, L=2500 mm
- ③ #10, L=2150 mm

TABLE OF REINFORCEMENT

Item	Profile	Length (m)	Piece	Total length of bars (m)
①	#10	8	245	1960
②	#10	8.9	211	1877.9
③	#10	7.6	26	197.6
④	#10	8.3	6	49.8
⑤	#10	0.9	5	4.5
⑥	#10	8.5	25	212.5
⑦	#10	7.6	5	38
⑧	#10	8.05	18	144.9
⑨	#10	9	33	297
⑩	#10	10.05	33	331.65
⑪	#10	4.750	4	19
⑫	#10	11.25	4	45
⑬	#10	8.25	5	41.25
⑭	#10	7.5	15	113
⑮	#10	7.4	15	111
⑯	#10	3.9	20	78
⑰	#10	8.4	20	168
⑱	#10	3.4	2	6.8
⑲	#10	7.1	2	14.2
⑳	#10	2.9	5	14.5
㉑	#10	5.4	5	27
㉒	#10	8.05	5	40.25
㉓	#10	6.75	5	33.75
㉔	#10	2	10	20
㉕	#10	1.5	177	265.5
㉖	#10	6	19	60
㉗	#10	6.750	3	20.25
㉘	#10	5.9	5	29.5
㉙	#10	10	105	1050
㉚	#10	11.05	4	44.2
㉛	#10	3.4	14	47.6
㉜	#10	3.6	18	100.8
㉝	#10	9	3	27
㉞	#10	6.8	5	34
㉟	#10	10.100	35	757.5
㊱	#10	5.2	4	20.8
㊲	#10	5850	4	23.4
㊳	#10	6.800	111	763.35
㊴	#10	8.4	5	42
㊵	#10	8.55	4	34.2
㊶	#10	7.15	63	468.1
㊷	#10	7.7	109	838.3
㊸	#10	5.6	11	61.6
㊹	#10	8.5	4	34
㊺	#10	8.150	109	883.35
㊻	#10	1.3	14	21
㊼	#10	2.5	10	25
㊽	#10	4.5	20	90
㊾	#10	7.5	20	150
㊿	#10	6	10	60
①	#10	4.950	13	64.35
②	#10	0.9	1372	1234.8
③	#10	4	440	1760
④	#10	4	440	1760
⑤	#10	2.500	40	100.2
⑥	#10	2.150	86	184.9
Total length (m)				18886.5
Unit weight (kg/m)				0.62 / 0.89
Weight of steel(kg)				11497.809

ISOKORB:

- 1 TYPE K-M2-VI-RE120-CV35-X80-H250-6.0
- 2 TRAPEZ BOX HALFEN HBB-O for in-situ cast concrete landing

MATERIALS:

CONCRETE: 30/37-XC1-D_{max}=22 mm-CI 0.4-54
 CONCRETE COVER: 20 mm
 STEEL: B500A
 LAP LENGTH: 550-600 mm
 ANCHORAGE LENGTH: 360-400 mm

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Worked out by: HAYTHEM CHERIF	Year:	2020/2021
Task: Residential building	Date:	24/05/2020
Purpose: Diploma Thesis	Scale:	1:100
Drawing: Upper reinforcement of RC slab above 1 floor	Format:	A0
	Drawing number:	6