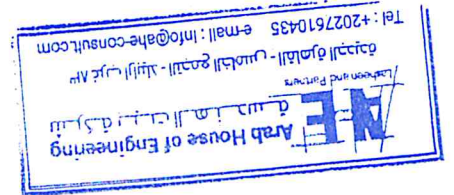


Project
Pedestrian steel Bridge
Qena Governorate

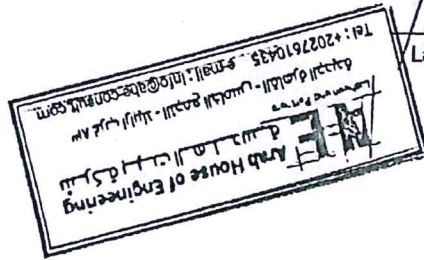
Project Owner



Contractor Consultant



A-E Arab House of Engineering
شركة بيت الهندسة
Lasheen and Partners



Contractor

شركة السلام انترناشيونال
للمقاولات و التجارة



Description	Rev	Date	Prepared by Eng.	Checked by Eng.	Approved by
Material List	01	06/2022	Makarious Masoud	Mohamed Maher	DR. Mahmoud Ramzy



+20 112 603 9251



+20 227 610 435



info@ahc-consult.com



83 West Arabella, New Cairo

www.ahc-consult.com

Assembly Part	No.	Profile	Grade	Length(mm)	Weight(kg)
---------------	-----	---------	-------	------------	------------

B/1	44	IPE270		114.4	
	123	1	IPE270 S235JR	2905	104.7
	184	4	L100*10 S235JR	160	2.4
B/2	8	IPE200		84.8	
	104	1	IPE200 S235JR	3467	77.6
	109	4	L100*10 S235JR	120	1.8
B/3	8	IPE270		143.6	
	120	1	IPE270 S235JR	3719	134.0
	184	4	L100*10 S235JR	160	2.4
B/4	40	IPE270		143.6	
	121	1	IPE270 S235JR	3720	134.0
	184	4	L100*10 S235JR	160	2.4
B/5	4	IPE270		110.5	
	237	1	IPE270 S235JR	2800	100.9
	184	4	L100*10 S235JR	160	2.4
CH/1	1	HEB280		1463.3	
	16	1	HEB280 S235JR	12000	1237.8
	31	1	PL12*452.3 S355JR	865	32.9
	34	3	PL12*401.9 S355JR	796	28.8
	45	4	PL25*280 S355JR	260	14.3
	71	4	PL16*224.7 S355JR	244	6.9
	100	4	PL10*134.8 S355JR	244	2.5
	125	4	PL18*220 S355JR	90	2.8
CH/2	1	HEB280		1463.3	
	16	1	HEB280 S235JR	12000	1237.8
	31	1	PL12*452.3 S355JR	865	32.9
	34	3	PL12*401.9 S355JR	796	28.8
	45	4	PL25*280 S355JR	260	14.3
	71	4	PL16*224.7 S355JR	244	6.9
	100	4	PL10*134.8 S355JR	244	2.5
	125	4	PL18*220 S355JR	90	2.8
CH/3	4	HEB240		1065.6	
	140	1	HEB240 S235JR	12000	998.5
	83	8	PL16*205 S355JR	206	5.3
	128	8	PL18*240 S355JR	90	3.1
CH/4	1	HEB280		416.8	



23	1	HEB280	S235JR	3464	357.4
45	1	PL25*280	S355JR	260	14.3
71	1	PL16*224.7	S355JR	244	6.9
100	1	PL10*134.8	S355JR	244	2.5
125	1	PL18*220	S355JR	90	2.8
210	1	PL12*452	S355JR	867	32.9
CH/5	1	HEB280		416.8	
23	1	HEB280	S235JR	3465	357.4
45	1	PL25*280	S355JR	260	14.3
71	1	PL16*224.7	S355JR	244	6.9
100	1	PL10*134.8	S355JR	244	2.5
125	1	PL18*220	S355JR	90	2.8
210	1	PL12*452	S355JR	867	32.9
CH/6	1	HEB280		1463.3	
188	1	HEB280	S235JR	12000	1237.8
34	3	PL12*401.9	S355JR	796	28.8
45	4	PL25*280	S355JR	260	14.3
71	4	PL16*224.7	S355JR	244	6.9
100	4	PL10*134.8	S355JR	244	2.5
125	4	PL18*220	S355JR	90	2.8
210	1	PL12*452	S355JR	867	32.9
CH/7	1	HEB280		1463.3	
188	1	HEB280	S235JR	12000	1237.8
34	3	PL12*401.9	S355JR	796	28.8
45	4	PL25*280	S355JR	260	14.3
71	4	PL16*224.7	S355JR	244	6.9
100	4	PL10*134.8	S355JR	244	2.5
125	4	PL18*220	S355JR	90	2.8
210	1	PL12*452	S355JR	867	32.9
CH/8	1	HEB280		427.6	
15	1	HEB280	S235JR	3569	368.2
45	1	PL25*280	S355JR	260	14.3
71	1	PL16*224.7	S355JR	244	6.9
100	1	PL10*134.8	S355JR	244	2.5
125	1	PL18*220	S355JR	90	2.8
210	1	PL12*452	S355JR	867	32.9
CH/9	1	HEB280		427.6	
15	1	HEB280	S235JR	3570	368.2
45	1	PL25*280	S355JR	260	14.3
71	1	PL16*224.7	S355JR	244	6.9
100	1	PL10*134.8	S355JR	244	2.5
125	1	PL18*220	S355JR	90	2.8
210	1	PL12*452	S355JR	867	32.9
D/1	3	HEB280		348.3	

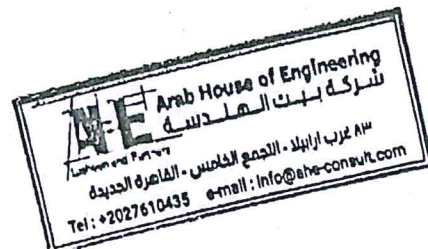


10	1	HEB280	S235JR	3100	319.8
41	2	PL25*280	S355JR	260	14.3
D/2	2	HEB340		465.4	
19	1	HEB340	S235JR	3020	405.2
159	2	FLAT40*300	S355JR	320	30.1
D/3	2	HEB280		450.5	
12	1	HEB280	S235JR	3540	365.1
50	1	PL10*307.3	S355JR	475	10.9
57	1	PL10*375.6	S355JR	543	14.9
74	1	FLAT12*120	S355JR	150	1.3
79	1	FLAT12*65	S355JR	170	0.8
143	1	PL30*280	S355JR	570	37.6
146	1	FLAT30*300	S355JR	280	19.8
D/4	2	HEB280		450.5	
12	1	HEB280	S235JR	3540	365.1
50	1	PL10*307.3	S355JR	475	10.9
57	1	PL10*375.6	S355JR	543	14.9

□

TEKLA STRUCTURES ASSEMBLY PART LIST FOR CONTRACT No:500-1 Page: 2
TITLE: Tekla Model PHASE: Date: 23.05.2022

Assembly Part	No.	Profile	Grade	Length(mm)	Weight(kg)
74	1	FLAT12*120	S355JR	150	1.3
79	1	FLAT12*65	S355JR	170	0.8
143	1	PL30*280	S355JR	570	37.6
146	1	FLAT30*300	S355JR	280	19.8
D/5	2	HEB280		446.5	
12	1	HEB280	S235JR	3540	365.1
50	2	PL10*307.3	S355JR	475	10.9
74	1	FLAT12*120	S355JR	150	1.3
79	1	FLAT12*65	S355JR	170	0.8
143	1	PL30*280	S355JR	570	37.6
146	1	FLAT30*300	S355JR	280	19.8
D/6	2	HEB280		832.2	
7	1	HEB280	S235JR	4460	460.0
17	1	HEB280	S235JR	1000	103.1
33	2	FLAT20*140	S355JR	160	2.7
86	1	PL10*272.9	S355JR	362	7.0
100	4	PL10*134.8	S355JR	244	2.5
160	1	FLAT40*600	S355JR	450	84.8
211	1	PL12*451.5	S355JR	318	11.2
215	2	PL10*134.8	S355JR	260	2.7
221	1	PL10*204	S355JR	1719	27.3
223	1	PL18*244	S355JR	1722	59.3
224	1	PL18*244	S355JR	1697	58.4

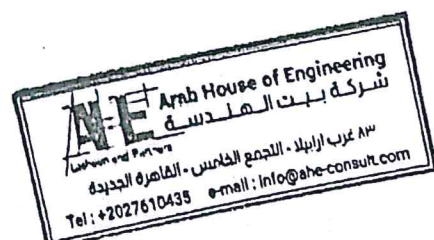


D/7	4	HEB280		355.6	
5	1	HEB280	S235JR	3170	327.0
102	2	PL25*280	S355JR	260	14.3

D/8	1	HEB280		826.6	
6	1	HEB280	S235JR	2465	254.3
8	1	PL10*204	S355JR	3892	62.1
11	1	PL18*244	S355JR	3894	134.1
14	1	PL18*244	S355JR	3869	133.3
17	1	HEB280	S235JR	1000	103.1
30	1	PL12*451.7	S355JR	316	11.2
33	2	FLAT20*140	S355JR	160	2.7
83	2	PL16*205	S355JR	206	5.3
100	4	PL10*134.8	S355JR	244	2.5
160	1	FLAT40*600	S355JR	450	84.8
215	1	PL10*134.8	S355JR	260	2.7
227	1	FLAT10*220	S355JR	135	2.3
230	2	PL18*240	S355JR	88	3.0
240	1	PL10*244	S355JR	382	6.5

D/9	1	HEB280		826.6	
6	1	HEB280	S235JR	2465	254.3
8	1	PL10*204	S355JR	3892	62.1
11	1	PL18*244	S355JR	3894	134.1
14	1	PL18*244	S355JR	3869	133.3
17	1	HEB280	S235JR	1000	103.1
30	1	PL12*451.7	S355JR	316	11.2
33	2	FLAT20*140	S355JR	160	2.7
83	2	PL16*205	S355JR	206	5.3
100	4	PL10*134.8	S355JR	244	2.5
160	1	FLAT40*600	S355JR	450	84.8
215	1	PL10*134.8	S355JR	260	2.7
227	1	FLAT10*220	S355JR	135	2.3
230	2	PL18*240	S355JR	88	3.0
240	1	PL10*244	S355JR	382	6.5

D/10	2	HEB280		832.2	
7	1	HEB280	S235JR	4460	460.0
17	1	HEB280	S235JR	1000	103.1
33	2	FLAT20*140	S355JR	160	2.7
86	1	PL10*272.9	S355JR	362	7.0
100	4	PL10*134.8	S355JR	244	2.5
160	1	FLAT40*600	S355JR	450	84.8
211	1	PL12*451.5	S355JR	318	11.2
215	2	PL10*134.8	S355JR	260	2.7
221	1	PL10*204	S355JR	1719	27.3
223	1	PL18*244	S355JR	1722	59.3
224	1	PL18*244	S355JR	1697	58.4



D/11	2	HEB340		465.4
18	1	HEB340	S235JR	3020 405.2
159	2	FLAT40*300	S355JR	320 30.1

D/12	2	HEB280		355.6
132	1	HEB280	S235JR	3170 327.0
222	2	PL25*280	S355JR	260 14.3

D/13	3	IPE330		172.4
118	1	IPE330	S235JR	3100 152.3
156	2	PL25*160	S355JR	320 10.0

D/14	1	HEB280		835.1
13	1	HEB280	S235JR	2462 253.9
17	1	HEB280	S235JR	1000 103.1
33	2	FLAT20*140	S355JR	160 2.7
83	2	PL16*205	S355JR	206 5.3
87	1	PL10*235.7	S355JR	384 6.3
100	4	PL10*134.8	S355JR	244 2.5
160	1	FLAT40*600	S355JR	450 84.8
211	1	PL12*451.5	S355JR	318 11.2
215	1	PL10*134.8	S355JR	260 2.7
226	1	PL10*204	S355JR	3996 63.8
227	1	FLAT10*220	S355JR	135 2.3
230	2	PL18*240	S355JR	88 3.0
231	1	PL18*244	S355JR	4000 137.8
232	1	PL18*244	S355JR	3975 136.9

D/15	1	HEB280		835.1
13	1	HEB280	S235JR	2462 253.9
17	1	HEB280	S235JR	1000 103.1
33	2	FLAT20*140	S355JR	160 2.7
83	2	PL16*205	S355JR	206 5.3
87	1	PL10*235.7	S355JR	384 6.3
100	4	PL10*134.8	S355JR	244 2.5
160	1	FLAT40*600	S355JR	450 84.8
211	1	PL12*451.5	S355JR	318 11.2
215	1	PL10*134.8	S355JR	260 2.7
226	1	PL10*204	S355JR	3996 63.8
227	1	FLAT10*220	S355JR	135 2.3

TEKLA STRUCTURES ASSEMBLY PART LIST FOR CONTRACT No:500-1 Page: 3

TITLE: Tekla Model PHASE: Date: 23.05.2022

Assembly Part	No.	Profile	Grade	Length(mm)	Weight(kg)
230	2	PL18*240	S355JR	88	3.0
231	1	PL18*244	S355JR	4000	137.8
232	1	PL18*244	S355JR	3975	136.9

G/1	8	HEB280		368.4
-----	---	--------	--	-------



1	1	HEB280	S235JR	3467	357.6
187	4	L100*10	S235JR	180	2.7
G/2	10	HEB280		350.4	
4	1	HEB280	S235JR	3120	321.8
45	2	PL25*280	S355JR	260	14.3
HB/1	4	L100*10		138.6	
110	1	L100*10	S235JR	3967	60
36	1	PL12*412.2	S355JR	625	17.6
110	1	L100*10	S235JR	3967	60
207	2	FLAT10*110	S355JR	60	0.5
HB/2	10	L120*12		208.2	
180	1	L120*12	S235JR	4488	96.9
37	2	FLAT12*80	S355JR	150	1.1
38	1	PL12*314.1	S355JR	584	12.1
180	1	L120*12	S235JR	4488	96.9
HB/3	16	L100*10		56.8	
113	1	L100*10	S235JR	1858	28.1
70	1	FLAT10*110	S355JR	60	0.5
113	1	L100*10	S235JR	1858	28.1
HB/4	2	L120*12		206.5	
181	1	L120*12	S235JR	4450	96.1
182	1	L120*12	S235JR	4450	96.1
37	2	FLAT12*80	S355JR	150	1.1
38	1	PL12*314.1	S355JR	584	12.1
181	1	L120*12	S235JR	4450	96.1
182	1	L120*12	S235JR	4450	96.1
HB/5	20	L120*12		101.7	
172	1	L120*12	S235JR	2334	50.4
68	1	FLAT10*80	S355JR	150	0.9
172	1	L120*12	S235JR	2334	50.4
HB/6	2	L120*12		96.2	
173	1	L120*12	S235JR	2207	47.6
68	1	FLAT10*80	S355JR	150	0.9
173	1	L120*12	S235JR	2207	47.6
HB/7	10	L120*12		220.4	
177	1	L120*12	S235JR	4833	104.3
66	1	PL10*313.8	S355JR	570	9.9
68	2	FLAT10*80	S355JR	150	0.9
177	1	L120*12	S235JR	4833	104.3
HB/8	22	L120*12		94.2	
175	1	L120*12	S235JR	2155	46.5



37	1	FLAT12*80	S355JR	150	1.1
175	1	L120*12	S235JR	2155	46.5
HB/9	2	L120*12		92.5	
176	1	L120*12	S235JR	2117	45.7
37	1	FLAT12*80	S355JR	150	1.1
176	1	L120*12	S235JR	2117	45.7
HB/10	2	L120*12		215.3	
179	1	L120*12	S235JR	4710	101.7
205	1	L120*12	S235JR	4710	101.7
68	2	FLAT10*80	S355JR	150	0.9
179	1	L120*12	S235JR	4710	101.7
204	1	PL10*314.5	S355JR	579	10.0
205	1	L120*12	S235JR	4710	101.7
HB/11	2	L120*12		101.5	
206	1	L120*12	S235JR	2329	50.3
68	1	FLAT10*80	S355JR	150	0.9
206	1	L120*12	S235JR	2329	50.3
HB/12	2	L120*12		195.5	
213	1	L120*12	S235JR	3858	83.3
208	2	FLAT10*150	S355JR	60	0.7
212	1	PL12*537.7	S355JR	756	27.5
213	1	L120*12	S235JR	3858	83.3
HB/13	6	L120*12		76.3	
214	1	L120*12	S235JR	1750	37.8
209	1	FLAT10*150	S355JR	60	0.7
214	1	L120*12	S235JR	1750	37.8
HB/14	1	L120*12		195.5	
213	1	L120*12	S235JR	3858	83.3
208	2	FLAT10*150	S355JR	60	0.7
212	1	PL12*537.7	S355JR	756	27.5
213	1	L120*12	S235JR	3858	83.3
HB/15	4	L100*10		138.6	
110	1	L100*10	S235JR	3967	60
36	1	PL12*412.2	S355JR	625	17.6
110	1	L100*10	S235JR	3967	60
207	2	FLAT10*110	S355JR	60	0.5
HB/16	2	L120*12		74.2	
242	1	L120*12	S235JR	1703	36.8
209	1	FLAT10*150	S355JR	60	0.7
242	1	L120*12	S235JR	1703	36.8
HB/17	1	L120*12		193.9	



32	1	L120*12	S235JR	3791	81.8
29	1	PL12*541.7	S355JR	782	28.8
32	1	L120*12	S235JR	3791	81.8
208	2	FLAT10*150	S355JR	60	0.7

SF/1	32	PL10*285		16.3	
49	1	PL10*285	S355JR	730	16.3

SF/2	32	PL18*300		43.7	
105	1	PL18*300	S355JR	1030	43.7

□

TEKLA STRUCTURES ASSEMBLY PART LIST FOR CONTRACT No:500-1 Page: 4
TITLE: Tekla Model PHASE: Date: 23.05.2022

Assembly Part No. Profile Grade Length(mm) Weight(kg)

SF/3	64	PL18*110		16.0	
106	1	PL18*110	S355JR	1030	16.0

SF/4	16	PL10*145		6.7	
84	1	PL10*145	S355JR	590	6.7

SF/5	16	PL16*240		24.4	
219	1	PL16*240	S355JR	810	24.4

SF/6	32	FLAT16*80		8.1	
220	1	FLAT16*80	S355JR	810	8.1

SF/7	24	FLAT10*180		6.8	
101	1	FLAT10*180	S355JR	480	6.8

SF/8	24	PL18*280		33.6	
129	1	PL18*280	S355JR	850	33.6

SF/9	48	PL18*100		12.0	
130	1	PL18*100	S355JR	850	12.0

TR/1	2	HEB400		3355.6	
24	1	HEB400	S235JR	7500	1164.5
25	1	HEB400	S235JR	8000	1242.2
39	2	FLAT12*400	S355JR	843	31.1
41	1	PL25*280	S355JR	260	14.3
47	2	UPN200	S235JR	3560	90.0
52	1	PL10*307.3	S355JR	595	14.2
53	1	PL10*307.3	S355JR	595	14.2
61	2	FLAT10*100	S355JR	230	1.8
62	2	FLAT10*100	S355JR	130	1.0
65	1	PL10*250.1	S355JR	638	12.0
75	3	PL10*143.3	S355JR	352	3.9
116	1	PL25*280	S355JR	110	6.4



155	1	PL25*160	S355JR	390	12.2
161	2	L100*10	S235JR	4786	72.1
195	1	PL12*253.3	S355JR	352	7.6
197	2	PL20*135	S355JR	143	3.0
199	2	PL10*250.1	S355JR	314	4.1

TR/2	2	HEB400		4708.2	
26	1	HEB400	S235JR	8400	1304.3
3	2	FLAT20*100	S355JR	150	1.9
20	1	HEB400	S235JR	4580	711.2
27	1	HEB400	S235JR	7900	1226.7
28	4	PL12*143.3	S355JR	352	4.7
39	2	FLAT12*400	S355JR	843	31.1
40	1	PL12*284.6	S355JR	399	8.6
47	2	UPN200	S235JR	3560	90.0
48	4	UPN200	S235JR	4693	118.6
51	1	PL10*375.7	S355JR	664	18.8
54	1	PL10*375.6	S355JR	664	18.8
55	2	PL10*375.6	S355JR	674	19.1
59	2	FLAT10*100	S355JR	250	2.0
61	6	FLAT10*100	S355JR	230	1.8
65	2	PL10*250.1	S355JR	638	12.0
69	1	PL10*334	S355JR	257	5.5
73	1	PL10*375.7	S355JR	543	15.2
115	4	PL25*352	S355JR	543	37.5
142	2	PL30*390	S355JR	460	42.2
157	2	PL16*352	S355JR	543	24.0
160	1	FLAT40*600	S355JR	450	84.8
183	2	UPN220	S235JR	3560	104.5
196	2	PL10*143.3	S355JR	316	3.5

TR/3	2	HEB400		4708.2	
26	1	HEB400	S235JR	8400	1304.3
3	2	FLAT20*100	S355JR	150	1.9
20	1	HEB400	S235JR	4580	711.2
27	1	HEB400	S235JR	7900	1226.7
28	4	PL12*143.3	S355JR	352	4.7
39	2	FLAT12*400	S355JR	843	31.1
40	1	PL12*284.6	S355JR	399	8.6
47	2	UPN200	S235JR	3560	90.0
48	4	UPN200	S235JR	4692	118.6
51	1	PL10*375.7	S355JR	664	18.8
54	1	PL10*375.6	S355JR	664	18.8
55	2	PL10*375.6	S355JR	674	19.1
59	2	FLAT10*100	S355JR	250	2.0
61	6	FLAT10*100	S355JR	230	1.8
65	2	PL10*250.1	S355JR	638	12.0
69	1	PL10*334	S355JR	257	5.5
73	1	PL10*375.7	S355JR	543	15.2
115	4	PL25*352	S355JR	543	37.5



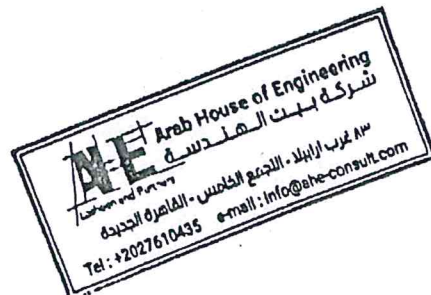
142	2	PL30*390	S355JR	460	42.2
157	2	PL16*352	S355JR	543	24.0
160	1	FLAT40*600	S355JR	450	84.8
183	2	UPN220	S235JR	3560	104.5
196	2	PL10*143.3	S355JR	316	3.5

TR/4	2	HEB400		3355.6	
24	1	HEB400	S235JR	7500	1164.5
25	1	HEB400	S235JR	8000	1242.2
39	2	FLAT12*400	S355JR	843	31.1
41	1	PL25*280	S355JR	260	14.3
47	2	UPN200	S235JR	3560	90.0
52	1	PL10*307.3	S355JR	595	14.2
53	1	PL10*307.3	S355JR	595	14.2
61	2	FLAT10*100	S355JR	230	1.8
62	2	FLAT10*100	S355JR	130	1.0
65	1	PL10*250.1	S355JR	638	12.0
75	3	PL10*143.3	S355JR	352	3.9
116	1	PL25*280	S355JR	110	6.0
155	1	PL25*160	S355JR	390	12.2
161	2	L100*10	S235JR	4786	72.1
195	1	PL12*253.3	S355JR	352	7.6
197	2	PL20*135	S355JR	143	3.0
199	2	PL10*250.1	S355JR	314	4.1

TR/5	2	HEB400		5072.6	
21	1	HEB400	S235JR	12000	1863.3
22	1	HEB400	S235JR	12000	1863.3
21	1	HEB400	S235JR	12000	1863.3
22	1	HEB400	S235JR	12000	1863.3

TEKLA STRUCTURES ASSEMBLY PART LIST FOR CONTRACT No:500-1 Page: 5
TITLE: Tekla Model PHASE: Date: 23.05.2022

Assembly	Part	No.	Profile	Grade	Length(mm)	Weight(kg)
39	3	FLAT12*400	S355JR		843	31.1
41	1	PL25*280	S355JR		260	14.3
47	4	UPN200	S235JR		3560	90.0
52	2	PL10*307.3	S355JR		595	14.2
53	2	PL10*307.3	S355JR		595	14.2
61	4	FLAT10*100	S355JR		230	1.8
62	4	FLAT10*100	S355JR		130	1.0
65	2	PL10*250.1	S355JR		638	12.0
75	3	PL10*143.3	S355JR		352	3.9
116	1	PL25*280	S355JR		110	6.0
155	1	PL25*160	S355JR		390	12.2
161	4	L100*10	S235JR		4786	72.1
195	1	PL12*253.3	S355JR		352	7.6
197	2	PL20*135	S355JR		143	3.0
199	2	PL10*250.1	S355JR		314	4.1



VB/1	4	UPN200		240.8	
46	1	UPN200	S235JR	4692	118.6
46	1	UPN200	S235JR	4692	118.6
63	2	FLAT10*100	S355JR	230	1.8
VB/2	4	L100*10		146.3	
162	1	L100*10	S235JR	4786	72.1
64	2	FLAT10*100	S355JR	130	1.0
162	1	L100*10	S235JR	4786	72.1
VB/3	2	L100*10		91.3	
9	1	L100*10	S235JR	2975	44.8
9	1	L100*10	S235JR	2975	44.8
98	2	FLAT10*80	S355JR	130	0.8
VB/4	4	L100*10		135.1	
165	1	L100*10	S235JR	4428	66.7
98	2	FLAT10*80	S355JR	130	0.8
165	1	L100*10	S235JR	4428	66.7
VB/5	4	L100*10		127.9	
166	1	L100*10	S235JR	4188	63.1
98	2	FLAT10*80	S355JR	130	0.8
166	1	L100*10	S235JR	4188	63.1
VB/6	4	L100*10		120.2	
167	1	L100*10	S235JR	3935	59.3
98	2	FLAT10*80	S355JR	130	0.8
167	1	L100*10	S235JR	3935	59.3
VB/7	4	L100*10		106.8	
168	1	L100*10	S235JR	3489	52.6
98	2	FLAT10*80	S355JR	130	0.8
168	1	L100*10	S235JR	3489	52.6
VB/8	4	L100*10		100.2	
169	1	L100*10	S235JR	3269	49.3
98	2	FLAT10*80	S355JR	130	0.8
169	1	L100*10	S235JR	3269	49.3
VB/9	2	HEB220		311.3	
131	1	HEB220	S235JR	3374	241.2
2	2	FLAT16*100	S355JR	150	1.9
81	1	FLAT16*120	S355JR	150	2.3
82	1	FLAT16*65	S235JR	180	1.5
89	1	PL10*246.1	S355JR	328	5.9
94	1	PL10*254.5	S355JR	333	6.0
149	1	FLAT30*220	S355JR	520	26.9
152	1	PL30*240	S355JR	420	23.7



VN/15	2	HEB200		215.4	
134	1	HEB200	S235JR	2364	144.9
92	1	PL10*234.8	S355JR	349	6.0
96	1	PL10*249.7	S355JR	337	5.6
190	1	FLAT30*220	S355JR	520	26.9
191	1	PL30*240	S355JR	420	23.7
192	1	FLAT16*130	S355JR	150	2.4
193	1	FLAT16*65	S235JR	190	1.6
194	2	FLAT16*110	S355JR	150	2.1

VB/16	2	L100*10		93.9	
170	1	L100*10	S235JR	3059	46.1
98	2	FLAT10*80	S355JR	130	0.8
170	1	L100*10	S235JR	3059	46.1

VB/17	2	HEB200		256.6
136	1	HEB200	S235JR	3037 186.1
88	1	PL10*243.9	S355JR	322 5.7
95	1	FLAT10*250	S355JR	327 5.8
190	1	FLAT30*220	S355JR	520 26.9
191	1	PL30*240	S355JR	420 23.7
192	1	FLAT16*130	S355JR	150 2.4
193	1	FLAT16*65	S235JR	190 1.6
194	2	FLAT16*110	S355JR	150 2.1

VB/18	1	HEB200		194.1	
135	1	HEB200	S235JR	2027	124.2
97	1	PL10*243.4	S355JR	339	5.5
190	1	FLAT30*220	S355JR	520	26.9
191	1	PL30*240	S355JR	420	23.7
192	1	FLAT16*130	S355JR	150	2.4
193	1	FLAT16*65	S235JR	190	1.6
194	2	FLAT16*110	S355JR	150	2.1
239	1	PL10*218.4	S355JR	343	5.4

VB/19	1	HEB200		194.1	
135	1	HEB200	S235JR	2027	124.2
93	1	PL10*216.2	S355JR	344	5.4
97	1	PL10*243.4	S355JR	339	5.5
190	1	FLAT30*220	S355JR	520	26.9
191	1	PL30*240	S355JR	420	23.7
192	1	FLAT16*130	S355JR	150	2.4
193	1	FLAT16*65	S235JR	190	1.6
194	2	FLAT16*110	S355JR	150	2.1



VB/20	1	HEB200		194.1
135	1	HEB200	S235JR	2027 124.2
93	1	PL10*216.2	S355JR	344 5.4
97	1	PL10*243.4	S355JR	339 5.5
190	1	FLAT30*220	S355JR	520 26.9
192	1	FLAT16*130	S355JR	150 2.4
193	1	FLAT16*65	S235JR	190 1.6
194	2	FLAT16*110	S355JR	150 2.1
233	1	PL30*240	S355JR	420 23.7

VB/21	1	HEB200		194.1
135	1	HEB200	S235JR	2027 124.2
97	1	PL10*243.4	S355JR	339 5.5
190	1	FLAT30*220	S355JR	520 26.9
192	1	FLAT16*130	S355JR	150 2.4
193	1	FLAT16*65	S235JR	190 1.6
194	2	FLAT16*110	S355JR	150 2.1
233	1	PL30*240	S355JR	420 23.7
239	1	PL10*218.4	S355JR	343 5.4

Total: 115679.6

+ 5.5% Bolts and weld 6362.378

Total: 122042

حسين محمد
F

محمد عبد الحليم
E.E.C

