

YAPAN: ALPTEKİN ŞAKALAR

PROJE: KIRKLARELİ OSB MESLEK YÜKSEK OKULU

TARİH: 18.05.2026

DEPREM YÖNETMELİĞİ: TBDY 2018

10HL-0667 Statik (Betonarme+Çelik) İnş.Müh.Alptekin Şakalar

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TEKİL ELEMAN RAPORU

Tekil Eleman Profil Listesi

Parça Adı	Profil	Malzeme	Uzunluk [m]	Adet	Ağırlık [t]	Alan [m²]	Toplam Ağırlık [t]	Toplam Alan [m²]
p1	HE 180 A	S275	3.49	16	0.124	3.57	1.988	57.16
p2	HE 180 A	S275	4.13	16	0.147	4.23	2.352	67.61
p3	HE 160 A	S275	8.87	16	0.271	8.03	4.329	128.49
p4	SHS 90*3	S275	6.17	4	0.049	2.16	0.198	8.63
p5	SHS 90*3	S275	6.14	12	0.049	2.15	0.591	25.78
p6	SHS 90*3	S275	6.29	4	0.050	2.20	0.202	8.80
p7	SHS 100*3	S275	7.18	4	0.064	2.80	0.257	11.19
p8	SHS 90*3	S275	5.18	4	0.042	1.81	0.166	7.25
p9	UPN 120	S275	6.74	2	0.090	2.89	0.180	5.78
p10	UPN 120	S275	6.13	6	0.082	2.63	0.490	15.76
p11	UPN 120	S275	6.28	2	0.084	2.69	0.167	5.38
p12	UPN 120	S275	6.74	2	0.090	2.89	0.180	5.78
p13	UPN 120	S275	6.13	6	0.082	2.63	0.490	15.76
p14	UPN 120	S275	6.28	2	0.084	2.69	0.167	5.38
p15	UPN 120	S275	6.74	8	0.090	2.89	0.719	23.12
p16	UPN 120	S275	6.13	24	0.082	2.63	1.960	63.04
p17	UPN 120	S275	6.28	8	0.084	2.69	0.669	21.53
p18	UPN 120	S275	6.74	2	0.090	2.89	0.180	5.78
p19	UPN 120	S275	6.13	6	0.082	2.63	0.490	15.76
p20	UPN 120	S275	6.28	2	0.084	2.69	0.167	5.38
p21	UPN 140	S275	7.18	2	0.115	3.50	0.230	6.99
p22	UPN 140	S275	7.18	2	0.115	3.50	0.230	6.99
p23	UPN 140	S275	7.18	8	0.115	3.50	0.919	27.97
p24	UPN 140	S275	7.18	2	0.115	3.50	0.230	6.99
p25	UPN 120	S275	5.77	2	0.077	2.47	0.154	4.94
p26	UPN 120	S275	5.77	2	0.077	2.47	0.154	4.94
p27	UPN 120	S275	5.77	8	0.077	2.47	0.614	19.76
p28	UPN 120	S275	5.77	2	0.077	2.47	0.154	4.94
p29	CHS 114.3*3	S275	6.16	1	0.051	2.21	0.051	2.21
p30	CHS 114.3*3	S275	2.87	4	0.024	1.03	0.094	4.12
p31	CHS 114.3*3	S275	6.10	2	0.050	2.19	0.100	4.38
p32	CHS 114.3*3	S275	2.84	4	0.023	1.02	0.093	4.08
p33	CHS 114.3*3	S275	6.16	1	0.051	2.21	0.051	2.21
p34	CHS 114.3*3	S275	6.97	2	0.057	2.50	0.115	5.00
p35	CHS 114.3*3	S275	3.26	4	0.027	1.17	0.107	4.68
p36	CHS 114.3*3	S275	6.92	2	0.057	2.48	0.114	4.97
p37	CHS 114.3*3	S275	3.23	4	0.027	1.16	0.106	4.64
p38	CHS 114.3*3	S275	6.95	2	0.057	2.49	0.114	4.99
p39	CHS 114.3*3	S275	3.25	4	0.027	1.17	0.107	4.67
p40	CHS 114.3*3	S275	6.90	2	0.057	2.48	0.113	4.95
p41	CHS 114.3*3	S275	3.22	4	0.026	1.16	0.106	4.63

Toplam parça sayısı : 210

Toplam ağırlık : 19.894 t

Toplam alan : 642.43 m²

Genel Profil Listesi

Profil	Malzeme	Toplam Uzunluk [m]	Toplam Ağırlık [t]	Toplam Alan [m²]
HE 180 A	S275	121.86	4.339	124.77
HE 160 A	S275	141.84	4.329	128.49
SHS 90*3	S275	144.32	1.156	50.46
SHS 100*3	S275	28.72	0.257	11.19
UPN 120	S275	520.52	6.934	223.04
UPN 140	S275	100.45	1.608	48.95
CHS 114.3*3	S275	154.74	1.270	55.53

Toplam ağırlık : 19.894 t

Toplam alan : 642.43 m²

Tekil Eleman Levha Listesi

Parça Adı	Boyutlar	Malzeme	Adet	Ağırlık [t]	Alan [m ²]	Toplam Ağırlık [t]	Toplam Alan [m ²]
p42	272.320...15	S275	16	0.010	0.17	0.164	2.79
p43	272.320...20	S275	16	0.014	0.17	0.219	2.79
p44	180.350...20	S275	16	0.010	0.13	0.158	2.02
p45	98.306...10	S275	16	0.001	0.03	0.019	0.48
p46	88.306...10	S275	16	0.002	0.05	0.034	0.86
p47	77.134...10	S275	32	0.001	0.02	0.026	0.66
p48	180.380...10	S275	16	0.005	0.14	0.086	2.19
p49	170.467...10	S275	16	0.003	0.08	0.050	1.27
p50	160.467...10	S275	16	0.006	0.15	0.094	2.39
p51	87.152...10	S275	64	0.001	0.03	0.066	1.69
p52	77.134...10	S275	32	0.001	0.02	0.026	0.66
p53	177.180...10	S275	16	0.003	0.06	0.040	1.02
p54	390.400...30	S275	32	0.037	0.31	1.175	9.98
p55	150.390...10	S275	64	0.005	0.12	0.294	7.49
p56	100.150...10	S275	128	0.001	0.03	0.151	3.84
p57	268.416...10	S275	1	0.006	0.16	0.006	0.16
p58	128.270...15	S275	72	0.004	0.07	0.294	4.99
p59	47.105...5	S275	48	0	0.01	0.007	0.36
p60	264.412...10	S275	3	0.006	0.15	0.018	0.46
p61	336.436...10	S275	2	0.010	0.26	0.020	0.51
p62	264.482...10	S275	4	0.009	0.22	0.034	0.87
p63	288.340...10	S275	4	0.005	0.12	0.018	0.47
p64	337.454...10	S275	2	0.010	0.26	0.021	0.53
p65	260.465...10	S275	4	0.006	0.16	0.025	0.63
p66	47.106...5	S275	96	0	0.01	0.014	0.72
p67	350.594...10	S275	2	0.012	0.31	0.025	0.63
p68	260.436...10	S275	4	0.008	0.20	0.031	0.78
p69	301.315...10	S275	4	0.005	0.12	0.018	0.47
p70	352.621...10	S275	2	0.013	0.32	0.025	0.65
p71	260.465...10	S275	4	0.006	0.16	0.025	0.63
p72	350.590...10	S275	2	0.012	0.31	0.025	0.62
p73	260.437...10	S275	4	0.008	0.20	0.031	0.79
p74	301.315...10	S275	4	0.005	0.12	0.018	0.47
p75	352.616...10	S275	2	0.013	0.32	0.025	0.64

Toplam parça sayısı : 760

Toplam ağırlık : 3.281 t

Toplam alan : 55.49 m²

Genel Levha Listesi

Boyutlar	Malzeme	Toplam Ağırlık [t]	Toplam Alan [m ²]
t:5	S275	0.021	1.07
t:30	S275	1.175	9.98
t:10	S275	1.250	31.86
t:20	S275	0.377	4.80
t:15	S275	0.458	7.77

Toplam ağırlık : 3.281 t

Toplam alan : 55.49 m²

Gergi Çubuğu Listesi

Parça Adı	Adet	Malzeme	a [m]	b [m]	L [m]	Toplam Uzunluk [m]	Açı	Ağırlık [t]	Toplam Ağırlık [t]
SG1	12	D16 ISO 5.6	0.10	0.10	1.20	1.60	-	0.0025	0.0302
SG2	64	D16 ISO 5.6	0.10	0.10	1.23	1.63	-	0.0026	0.1651
SG3	12	D16 ISO 5.6	0.10	0.10	1.22	1.62	-	0.0026	0.0307
SG4	4	D16 ISO 5.6	0.10	0.10	3.14	3.54	112	0.0056	0.0224

Parça Adı	Adet	Malzeme	a [m]	b [m]	L [m]	Toplam Uzunluk [m]	Açı	Ağırlık [t]	Toplam Ağırlık [t]
SG5	12	D16 ISO 5.6	0.10	0.10	3.13	3.53	112	0.0056	0.0668
SG6	4	D16 ISO 5.6	0.10	0.10	3.20	3.60	112	0.0057	0.0227
SG7	4	D16 ISO 5.6	0.10	0.10	1.19	1.59	-	0.0025	0.0101
SG8	4	D16 ISO 5.6	0.10	0.10	1.22	1.62	-	0.0026	0.0102
SG9	4	D16 ISO 5.6	0.10	0.10	2.52	2.92	118	0.0046	0.0184
SG10	4	D16 ISO 5.6	0.10	0.10	2.70	3.10	116	0.0049	0.0196

Toplam parça sayısı : 124

Toplam ağırlık : 0.3961 t

Gergi Çubuğu Örtü Listesi

Parça Adı	Adet	Profil	Malzeme	Uzunluk [m]	Ağırlık [t]
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Toplam parça sayısı : 0

Toplam ağırlık : 0 t

MONTAJ RAPORU

Genel Montaj Parça Listesi

Montaj Poz No	Ana Profil	Malzeme	Adet	Ağırlık [t]	Alan [m²]	Toplam Ağırlık [t]	Toplam Alan [m²]
AS1	HE 180 A	S275	1	8.919	265.70	8.919	265.70
AS2	HE 180 A	S275	1	8.920	265.70	8.920	265.70
AS3	HE 180 A	S275	1	1.805	50.67	1.805	50.67
AS4	HE 180 A	S275	1	1.805	50.67	1.805	50.67
D1	CHS 114.3*3	S275	1	0.069	2.63	0.069	2.63
D2	CHS 114.3*3	S275	4	0.032	1.20	0.129	4.79
D3	CHS 114.3*3	S275	2	0.069	2.62	0.138	5.24
D4	CHS 114.3*3	S275	4	0.032	1.19	0.128	4.75
D5	CHS 114.3*3	S275	1	0.069	2.64	0.069	2.64
D6	CHS 114.3*3	S275	2	0.078	2.98	0.157	5.97
D7	CHS 114.3*3	S275	4	0.036	1.34	0.142	5.36
D8	CHS 114.3*3	S275	2	0.078	2.97	0.156	5.95
D9	CHS 114.3*3	S275	4	0.035	1.33	0.141	5.32
D10	CHS 114.3*3	S275	2	0.078	2.98	0.156	5.95
D11	CHS 114.3*3	S275	4	0.035	1.34	0.142	5.34
D12	CHS 114.3*3	S275	2	0.078	2.97	0.156	5.93
D13	CHS 114.3*3	S275	4	0.035	1.33	0.141	5.30

Toplam parça sayısı : 40

Toplam ağırlık : 23.176 t

Toplam alan : 697.92 m²

Detaylı Montaj Parça Listesi

Montaj Poz No	Adet	Parça Adı	Profil	Malzeme	Parça Sayısı	Ağırlık [t]	Alan [m²]	Toplam Ağırlık [t]	Toplam Alan [m²]
AS1	1	p2	HE 180 A	S275	8	0.147	4.23	1.176	33.81
		p3	HE 160 A	S275	8	0.271	8.03	2.165	64.24
		p4	SHS 90*3	S275	1	0.049	2.16	0.049	2.16
		p5	SHS 90*3	S275	3	0.049	2.15	0.148	6.44
		p6	SHS 90*3	S275	1	0.050	2.20	0.050	2.20
		p7	SHS 100*3	S275	1	0.064	2.80	0.064	2.80
		p8	SHS 90*3	S275	1	0.042	1.81	0.042	1.81
		p9	UPN 120	S275	1	0.090	2.89	0.090	2.89
		p10	UPN 120	S275	3	0.082	2.63	0.245	7.88
		p11	UPN 120	S275	1	0.084	2.69	0.084	2.69
		p12	UPN 120	S275	1	0.090	2.89	0.090	2.89
		p13	UPN 120	S275	3	0.082	2.63	0.245	7.88
		p14	UPN 120	S275	1	0.084	2.69	0.084	2.69
		p15	UPN 120	S275	4	0.090	2.89	0.359	11.56
		p16	UPN 120	S275	12	0.082	2.63	0.980	31.52
		p17	UPN 120	S275	4	0.084	2.69	0.335	10.76
		p18	UPN 120	S275	1	0.090	2.89	0.090	2.89
		p19	UPN 120	S275	3	0.082	2.63	0.245	7.88
		p20	UPN 120	S275	1	0.084	2.69	0.084	2.69
		p21	UPN 140	S275	1	0.115	3.50	0.115	3.50
		p22	UPN 140	S275	1	0.115	3.50	0.115	3.50
		p23	UPN 140	S275	4	0.115	3.50	0.460	13.99
		p24	UPN 140	S275	1	0.115	3.50	0.115	3.50
		p25	UPN 120	S275	1	0.077	2.47	0.077	2.47
		p26	UPN 120	S275	1	0.077	2.47	0.077	2.47
		p27	UPN 120	S275	4	0.077	2.47	0.307	9.88
		p28	UPN 120	S275	1	0.077	2.47	0.077	2.47
		p42	PI 15*272	S275	8	0.010	0.17	0.082	1.39
		p43	PI 20*272	S275	8	0.014	0.17	0.109	1.39
		p44	PI 20*180	S275	8	0.010	0.13	0.079	1.01
		p45	PI 10*98	S275	8	0.001	0.03	0.009	0.24
		p46	PI 10*88	S275	8	0.002	0.05	0.017	0.43
		p47	PI 10*77	S275	16	0.001	0.02	0.013	0.33
		p48	PI 10*180	S275	8	0.005	0.14	0.043	1.09
		p49	PI 10*170	S275	8	0.003	0.08	0.025	0.64

Montaj Poz No	Adet	Parça Adı	Profil	Malzeme	Parça Sayısı	Ağırlık [t]	Alan [m²]	Toplam Ağırlık [t]	Toplam Alan [m²]
		p50	PI 10*160	S275	8	0.006	0.15	0.047	1.19
		p52	PI 10*77	S275	16	0.001	0.02	0.013	0.33
		p54	PI 30*390	S275	8	0.037	0.31	0.294	2.50
		p55	PI 10*150	S275	16	0.005	0.12	0.073	1.87
		p56	PI 10*100	S275	32	0.001	0.03	0.038	0.96
		p60	PI 10*264	S275	2	0.006	0.15	0.012	0.31
		p62	PI 10*264	S275	2	0.009	0.22	0.017	0.44
		p63	PI 10*288	S275	2	0.005	0.12	0.009	0.24
		p65	PI 10*260	S275	2	0.006	0.16	0.012	0.32
		p68	PI 10*260	S275	2	0.008	0.20	0.015	0.39
		p69	PI 10*301	S275	2	0.005	0.12	0.009	0.23
		p71	PI 10*260	S275	2	0.006	0.16	0.012	0.32
		p73	PI 10*260	S275	2	0.008	0.20	0.015	0.39
		p74	PI 10*301	S275	2	0.005	0.12	0.009	0.23
								8.919	265.70
AS2	1	p2	HE 180 A	S275	8	0.147	4.23	1.176	33.81
		p3	HE 160 A	S275	8	0.271	8.03	2.165	64.24
		p4	SHS 90*3	S275	1	0.049	2.16	0.049	2.16
		p5	SHS 90*3	S275	3	0.049	2.15	0.148	6.44
		p6	SHS 90*3	S275	1	0.050	2.20	0.050	2.20
		p7	SHS 100*3	S275	1	0.064	2.80	0.064	2.80
		p8	SHS 90*3	S275	1	0.042	1.81	0.042	1.81
		p9	UPN 120	S275	1	0.090	2.89	0.090	2.89
		p10	UPN 120	S275	3	0.082	2.63	0.245	7.88
		p11	UPN 120	S275	1	0.084	2.69	0.084	2.69
		p12	UPN 120	S275	1	0.090	2.89	0.090	2.89
		p13	UPN 120	S275	3	0.082	2.63	0.245	7.88
		p14	UPN 120	S275	1	0.084	2.69	0.084	2.69
		p15	UPN 120	S275	4	0.090	2.89	0.359	11.56
		p16	UPN 120	S275	12	0.082	2.63	0.980	31.52
		p17	UPN 120	S275	4	0.084	2.69	0.335	10.76
		p18	UPN 120	S275	1	0.090	2.89	0.090	2.89
		p19	UPN 120	S275	3	0.082	2.63	0.245	7.88
		p20	UPN 120	S275	1	0.084	2.69	0.084	2.69
		p21	UPN 140	S275	1	0.115	3.50	0.115	3.50
		p22	UPN 140	S275	1	0.115	3.50	0.115	3.50
		p23	UPN 140	S275	4	0.115	3.50	0.460	13.99
		p24	UPN 140	S275	1	0.115	3.50	0.115	3.50
		p25	UPN 120	S275	1	0.077	2.47	0.077	2.47
		p26	UPN 120	S275	1	0.077	2.47	0.077	2.47
		p27	UPN 120	S275	4	0.077	2.47	0.307	9.88
		p28	UPN 120	S275	1	0.077	2.47	0.077	2.47
		p42	PI 15*272	S275	8	0.010	0.17	0.082	1.39
		p43	PI 20*272	S275	8	0.014	0.17	0.109	1.39
		p44	PI 20*180	S275	8	0.010	0.13	0.079	1.01
		p45	PI 10*98	S275	8	0.001	0.03	0.009	0.24
		p46	PI 10*88	S275	8	0.002	0.05	0.017	0.43
		p47	PI 10*77	S275	16	0.001	0.02	0.013	0.33
		p48	PI 10*180	S275	8	0.005	0.14	0.043	1.09
		p49	PI 10*170	S275	8	0.003	0.08	0.025	0.64
		p50	PI 10*160	S275	8	0.006	0.15	0.047	1.19
		p52	PI 10*77	S275	16	0.001	0.02	0.013	0.33
		p54	PI 30*390	S275	8	0.037	0.31	0.294	2.50
		p55	PI 10*150	S275	16	0.005	0.12	0.073	1.87
		p56	PI 10*100	S275	32	0.001	0.03	0.038	0.96
		p57	PI 10*268	S275	1	0.006	0.16	0.006	0.16
		p60	PI 10*264	S275	1	0.006	0.15	0.006	0.15
		p62	PI 10*264	S275	2	0.009	0.22	0.017	0.44
		p63	PI 10*288	S275	2	0.005	0.12	0.009	0.24
		p65	PI 10*260	S275	2	0.006	0.16	0.012	0.32
		p68	PI 10*260	S275	2	0.008	0.20	0.015	0.39
		p69	PI 10*301	S275	2	0.005	0.12	0.009	0.23
		p71	PI 10*260	S275	2	0.006	0.16	0.012	0.32
		p73	PI 10*260	S275	2	0.008	0.20	0.015	0.39
		p74	PI 10*301	S275	2	0.005	0.12	0.009	0.23
								8.920	265.70
AS3	1	p1	HE 180 A	S275	8	0.124	3.57	0.994	28.58
		p4	SHS 90*3	S275	1	0.049	2.16	0.049	2.16
		p5	SHS 90*3	S275	3	0.049	2.15	0.148	6.44
		p6	SHS 90*3	S275	1	0.050	2.20	0.050	2.20

Montaj Poz No	Adet	Parça Adı	Profil	Malzeme	Parça Sayısı	Ağırlık [t]	Alan [m²]	Toplam Ağırlık [t]	Toplam Alan [m²]
		p7	SHS 100*3	S275	1	0.064	2.80	0.064	2.80
		p8	SHS 90*3	S275	1	0.042	1.81	0.042	1.81
		p51	PI 10*87	S275	32	0.001	0.03	0.033	0.85
		p53	PI 10*177	S275	8	0.003	0.06	0.020	0.51
		p54	PI 30*390	S275	8	0.037	0.31	0.294	2.50
		p55	PI 10*150	S275	16	0.005	0.12	0.073	1.87
		p56	PI 10*100	S275	32	0.001	0.03	0.038	0.96
								1.805	50.67
AS4	1	p1	HE 180 A	S275	8	0.124	3.57	0.994	28.58
		p4	SHS 90*3	S275	1	0.049	2.16	0.049	2.16
		p5	SHS 90*3	S275	3	0.049	2.15	0.148	6.44
		p6	SHS 90*3	S275	1	0.050	2.20	0.050	2.20
		p7	SHS 100*3	S275	1	0.064	2.80	0.064	2.80
		p8	SHS 90*3	S275	1	0.042	1.81	0.042	1.81
		p51	PI 10*87	S275	32	0.001	0.03	0.033	0.85
		p53	PI 10*177	S275	8	0.003	0.06	0.020	0.51
		p54	PI 30*390	S275	8	0.037	0.31	0.294	2.50
		p55	PI 10*150	S275	16	0.005	0.12	0.073	1.87
		p56	PI 10*100	S275	32	0.001	0.03	0.038	0.96
								1.805	50.67
D1	1	p29	CHS 114.3*3	S275	1	0.051	2.21	0.051	2.21
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p59	PI 5*47	S275	4	0	0.01	0.001	0.03
		p61	PI 10*336	S275	1	0.010	0.26	0.010	0.26
								0.069	2.63
D2	4	p30	CHS 114.3*3	S275	1	0.024	1.03	0.024	1.03
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p59	PI 5*47	S275	4	0	0.01	0.001	0.03
								0.032	1.20
								0.129	4.79
D3	2	p31	CHS 114.3*3	S275	1	0.050	2.19	0.050	2.19
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p59	PI 5*47	S275	4	0	0.01	0.001	0.03
		p64	PI 10*337	S275	1	0.010	0.26	0.010	0.26
								0.069	2.62
								0.138	5.24
D4	4	p32	CHS 114.3*3	S275	1	0.023	1.02	0.023	1.02
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p59	PI 5*47	S275	4	0	0.01	0.001	0.03
								0.032	1.19
								0.128	4.75
D5	1	p33	CHS 114.3*3	S275	1	0.051	2.21	0.051	2.21
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p59	PI 5*47	S275	4	0	0.01	0.001	0.03
		p61	PI 10*336	S275	1	0.010	0.26	0.010	0.26
								0.069	2.64
D6	2	p34	CHS 114.3*3	S275	1	0.057	2.50	0.057	2.50
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
		p67	PI 10*350	S275	1	0.012	0.31	0.012	0.31
								0.078	2.98
								0.157	5.97
D7	4	p35	CHS 114.3*3	S275	1	0.027	1.17	0.027	1.17
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
								0.036	1.34
								0.142	5.36
D8	2	p36	CHS 114.3*3	S275	1	0.057	2.48	0.057	2.48
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
		p70	PI 10*352	S275	1	0.013	0.32	0.013	0.32
								0.078	2.97
								0.156	5.95
D9	4	p37	CHS 114.3*3	S275	1	0.027	1.16	0.027	1.16
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
								0.035	1.33
								0.141	5.32
D10	2	p38	CHS 114.3*3	S275	1	0.057	2.49	0.057	2.49
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14

Montaj Poz No	Adet	Parça Adı	Profil	Malzeme	Parça Sayısı	Ağırlık [t]	Alan [m²]	Toplam Ağırlık [t]	Toplam Alan [m²]
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
		p72	PI 10*350	S275	1	0.012	0.31	0.012	0.31
								0.078	2.98
								0.156	5.95
D11	4	p39	CHS 114.3*3	S275	1	0.027	1.17	0.027	1.17
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
								0.035	1.34
								0.142	5.34
D12	2	p40	CHS 114.3*3	S275	1	0.057	2.48	0.057	2.48
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
		p75	PI 10*352	S275	1	0.013	0.32	0.013	0.32
								0.078	2.97
								0.156	5.93
D13	4	p41	CHS 114.3*3	S275	1	0.026	1.16	0.026	1.16
		p58	PI 15*128	S275	2	0.004	0.07	0.008	0.14
		p66	PI 5*47	S275	4	0	0.01	0.001	0.03
								0.035	1.33
								0.141	5.30

Montaj Bulon Listesi

Montaj	Bağlı Montajlar	Bulon Tipi	Sınıf	Bulon Adedi
AS1	AS2	M16*80	ISO 8.8	8
	AS4	M27*80	ISO 8.8	4
	D3	M12*55	ISO 8.8	2
	D4	M12*55	ISO 8.8	2
	D5	M12*55	ISO 8.8	2
	D2	M12*55	ISO 8.8	2
	D12	M12*55	ISO 8.8	2
	D13	M12*55	ISO 8.8	2
	D10	M12*55	ISO 8.8	2
	D11	M12*55	ISO 8.8	2
	D8	M12*55	ISO 8.8	2
	D9	M12*55	ISO 8.8	2
	D6	M12*55	ISO 8.8	2
	D7	M12*55	ISO 8.8	2
AS2	AS1	M16*80	ISO 8.8	8
	AS3	M27*80	ISO 8.8	4
	D1	M12*55	ISO 8.8	2
	D2	M12*55	ISO 8.8	2
	D3	M12*55	ISO 8.8	2
	D4	M12*55	ISO 8.8	2
	D6	M12*55	ISO 8.8	2
	D7	M12*55	ISO 8.8	2
	D8	M12*55	ISO 8.8	2
	D9	M12*55	ISO 8.8	2
	D10	M12*55	ISO 8.8	2
	D11	M12*55	ISO 8.8	2
	D12	M12*55	ISO 8.8	2
	D13	M12*55	ISO 8.8	2
AS3	AS2	M27*80	ISO 8.8	4
AS4	AS1	M27*80	ISO 8.8	4
D1	AS2	M12*55	ISO 8.8	2
	D2	M12*55	ISO 8.8	4
D2	AS2	M12*55	ISO 8.8	2
	D1	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
	D5	M12*55	ISO 8.8	4
D3	AS2	M12*55	ISO 8.8	2
	D4	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D4	AS2	M12*55	ISO 8.8	2
	D3	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D5	AS1	M12*55	ISO 8.8	2
	D2	M12*55	ISO 8.8	4

Montaj	Bağlı Montajlar	Bulon Tipi	Sınıf	Bulon Adedi
D6	AS2	M12*55	ISO 8.8	2
	D7	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D7	AS2	M12*55	ISO 8.8	2
	D6	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D8	AS2	M12*55	ISO 8.8	2
	D9	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D9	AS2	M12*55	ISO 8.8	2
	D8	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D10	AS2	M12*55	ISO 8.8	2
	D11	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D11	AS2	M12*55	ISO 8.8	2
	D10	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D12	AS2	M12*55	ISO 8.8	2
	D13	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2
D13	AS2	M12*55	ISO 8.8	2
	D12	M12*55	ISO 8.8	4
	AS1	M12*55	ISO 8.8	2

BULON RAPORU**Bulon Listesi**

Tip	Sınıf	Adet
M12*55	ISO 8.8	144
M16*80	ISO 8.8	64
M20*80	ISO 8.8	64
M27*80	ISO 8.8	64

Somun Listesi

Tip	Sınıf	Adet
M12	ISO 8.8	144
M16	ISO 8.8	64
M20	ISO 8.8	64
M22	ISO 10.9	512
M27	ISO 8.8	64

Pul Listesi

Tip	Sınıf	Adet
M12	ISO 8.8	144
M16	ISO 8.8	64
M20	ISO 8.8	64
M22	ISO 10.9	256
M27	ISO 8.8	64

Ankraj Listesi

Boyutlar	Tip	Sınıf	Adet
M22*500*50	Düz	ISO 10.9	256