

## 1.KAT KİRİŞ HATIL YÜKLERİ

Kiriş Hatıl Adı	Zati (t)	G Üst Duvardan (t)	Q Üst Duvardan (t)	G Döşemeden (t)	Q Döşemeden (t)	Ekstra G (t)	Ekstra Q (t)	G Pencere Üstü Duvar Parçasından (t)	G Kapi Üstü Duvar Parçasından (t)	G Üst Kat Pencere ve Parapet (t)	G Üst Kat Kapi (t)	G Saplama Kiriş Hatıldan (t)	Q Saplama Kiriş Hatıldan (t)
H101	0.18	0	0	0.742	0.312	0	0	0	0.124	0	0	0	0
H102	0.2	0	0	0.74	0.277	0	0	0	0.138	0	0	0	0
H103	0.27	0	0	1.347	0.521	0	0	0.109	0	0	0	0	0
H104	0.27	0	0	0.556	0.234	0	0	0.109	0	0	0	0	0
H105	0.28	0	0	0	0	0	0	0.145	0	0	0	0	0
H106	0.12	0	0	0.084	0.035	0	0	0.007	0	0	0	0	0
H107	0.935	0	0	2.764	1.005	0	0	0	0	0	0	0	0
H108	0.27	0	0	0.537	0.226	0	0	0.109	0	0	0	0	0
H109	0.27	0	0	0.553	0.233	0	0	0.109	0	0	0	0	0
H110	0.27	0	0	0.549	0.231	0	0	0.155	0	0	0	0	0
H111	0.27	0	0	1.159	0.452	0	0	0.109	0	0	0	0	0
H112	0.67	0	0	2.281	0.961	0	0	0	0	0	0	0	0
H113	0.18	0	0	0.624	0.263	0	0	0	0.124	0	0	0	0
H114	0.18	0	0	0.613	0.258	0	0	0	0.124	0	0	0	0
H115	0.18	0	0	0.624	0.263	0	0	0	0.124	0	0	0	0
H116	0.14	0	0	0.455	0.192	0	0	0	0.097	0	0	0	0
H117	0.14	0	0	0.378	0.159	0	0	0	0.097	0	0	0	0
H118	0.67	0	0	1.543	0.561	0	0	0	0	0	0	0	0
H119	0.27	0	0	0.537	0.226	0	0	0.109	0	0	0	0	0
H120	0.27	0	0	0.553	0.233	0	0	0.109	0	0	0	0	0
H121	0.12	0	0	0.15	0.063	0	0	0.007	0	0	0	0	0
H122	0.18	0	0	0.321	0.135	0	0	0	0.041	0	0	0	0

## ZEMİN KAT KİRİŞ HATIL YÜKLERİ

Kiriş Hatıl Adı	Zati (t)	G Üst Duvardan (t)	Q Üst Duvardan (t)	G Döşemeden (t)	Q Döşemeden (t)	Ekstra G (t)	Ekstra Q (t)	G Pencere Üstü Duvar Parçasından (t)	G Kapi Üstü Duvar Parçasından (t)	G Üst Kat Pencere ve Parapet (t)	G Üst Kat Kapi (t)	G Saplama Kiriş Hatıldan (t)	Q Saplama Kiriş Hatıldan (t)
HB01	0.18	0	0	0.742	0.312	0	0	0	0.124	0	0.09	0	0
HB02	0.2	0	0	0.74	0.277	0	0	0	0.138	0	0.1	0	0
HB03	0.27	0	0	1.347	0.521	0	0	0.109	0	0.325	0	0	0
HB04	0.27	0	0	0.556	0.234	0	0	0.109	0	0.325	0	0	0
HZ05	0.28	0	0	0	0	0	0	0.145	0	0.305	0	0	0
HZ06	0.12	0	0	0.084	0.035	0	0	0.007	0	0.278	0	0	0
HB07	0.935	0	0	2.764	1.005	0	0	0	0	0	0	0	0
HB08	0.27	0	0	0.537	0.226	0	0	0.109	0	0.325	0	0	0
HB09	0.27	0	0	0.553	0.233	0	0	0.109	0	0.325	0	0	0
HB10	0.27	0	0	0.549	0.231	0	0	0.155	0	0.278	0	0	0
HB11	0.27	0	0	1.159	0.452	0	0	0.109	0	0.325	0	0	0
HB12	0.67	0	0	2.281	0.961	0	0	0	0	0	0	0	0
HB13	0.18	0	0	0.624	0.263	0	0	0	0.124	0	0.09	0	0
HB14	0.18	0	0	0.613	0.258	0	0	0	0.124	0	0.09	0	0

## ZEMİN KAT KİRİŞ HATIL YÜKLERİ

Kiriş Hatıl Adı	Zati (t)	G Üst Duvardan (t)	Q Üst Duvardan (t)	G Döşemeden (t)	Q Döşemeden (t)	Ekstra G (t)	Ekstra Q (t)	G Pencere Üstü Duvar Parçasından (t)	G Kapı Üstü Duvar Parçasından (t)	G Üst Kat Pencere ve Parapet (t)	G Üst Kat Kapı (t)	G Saplama Kiriş Hatıldan (t)	Q Saplama Kiriş Hatıldan (t)
HB15	0.18	0	0	0.624	0.263	0	0	0	0.124	0	0.09	0	0
HB16	0.14	0	0	0.455	0.192	0	0	0	0.097	0	0.07	0	0
HB17	0.14	0	0	0.378	0.159	0	0	0	0.097	0	0.07	0	0
HB18	0.67	0	0	1.543	0.561	0	0	0	0	0	0	0	0
HB19	0.27	0	0	0.537	0.226	0	0	0.109	0	0.325	0	0	0
HB20	0.27	0	0	0.553	0.233	0	0	0.109	0	0.325	0	0	0
HB21	0.12	0	0	0.15	0.063	0	0	0.007	0	0.278	0	0	0
HZ22	0.18	0	0	0.321	0.135	0	0	0	0.041	0	0.108	0	0

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT DUVAR YÜKLERİ**

Duvar Adı	Zati (t)	G Üst Duvardan (t)	Q Üst Duvardan (t)	G Döşemeden (t)	Q Döşemeden (t)	Ekstra G (t)	Ekstra Q (t)	G Kiriş Hatıldan (t)	Q Kiriş Hatıldan (t)	G Üst Kat Pencere ve Parapet (t)	G Üst Kat Kapı (t)
W101	1.337	0	0	0.637	0.268	0	0	0.327	0.088	0	0
W102	0.08	0	0	0	0	0	0	0	0	0	0
W103	0.718	0	0	0.371	0.156	0	0	0.212	0	0	0
W104	2.773	0	0	2.868	1.207	0	0	0	0	0	0
W105	2.733	0	0	2.35	0.989	0	0	0	0	0	0
W106	1.935	0	0	1.957	0.824	0	0	0	0	0	0
W107	2.773	0	0	2.866	1.207	0	0	0	0	0	0
W108	2.733	0	0	2.785	1.173	0	0	0	0	0	0
W109	1.855	0	0	1.916	0.807	0	0	0.523	0.156	0	0
W110	0.279	0	0	0.28	0.115	0	0	0	0	0	0
W111	0.978	0	0	1.183	0.457	0	0	0.863	0.261	0	0
W112	0.798	0	0	0.998	0.386	0	0	0.863	0.261	0	0
W113	0.798	0	0	0.412	0.174	0	0	0.468	0.117	0	0
W114	0.898	0	0	0.464	0.195	0	0	0.468	0.117	0	0
W115	0.477	0	0	0.052	0.022	0	0	0.105	0.018	0	0
W116	1.743	0	0	0.597	0.251	0	0	0.604	0.148	0	0
W117	3.595	0	0	1.792	0.755	0	0	0.458	0.113	0	0
W118	1.652	0	0	0.838	0.353	0	0	0.924	0.23	0	0
W119	1.476	0	0	0.755	0.318	0	0	0.953	0.232	0	0
W120	0.818	0	0	0.417	0.176	0	0	0.487	0.116	0	0
W121	0.918	0	0	0.987	0.385	0	0	0.769	0.226	0	0
W122	0.678	0	0	0.73	0.285	0	0	0.769	0.226	0	0
W123	0.08	0	0	0.069	0.029	0	0	0	0	0	0
W124	1.955	0	0	1.698	0.715	0	0	0	0	0	0
W125	1.496	0	0	0.52	0.219	0	0	0.212	0	0	0
W126	1.875	0	0	1.6	0.674	0	0	0.459	0.129	0	0
W127	2.035	0	0	1.766	0.743	0	0	0.464	0.131	0	0
W128	0.08	0	0	0.069	0.029	0	0	0	0	0	0
W129	1.157	0	0	0.943	0.397	0	0	0.346	0.096	0	0
W130	0.16	0	0	0.119	0.05	0	0	0.327	0.088	0	0
W131	0.299	0	0	0.202	0.085	0	0	0.307	0.08	0	0
W132	0.878	0	0	0.438	0.184	0	0	0.458	0.113	0	0
W133	1.596	0	0	0.809	0.34	0	0	0.924	0.229	0	0
W134	1.29	0	0	0.253	0.106	0	0	0.244	0.049	0	0
W135	2.933	0	0	1.016	0.428	0	0	0	0	0	0

**ZEMİN KAT DUVAR YÜKLERİ**

Duvar Adı	Zati (t)	G Üst Duvardan (t)	Q Üst Duvardan (t)	G Döşemeden (t)	Q Döşemeden (t)	Ekstra G (t)	Ekstra Q (t)	G Kiriş Hatıldan (t)	Q Kiriş Hatıldan (t)	G Üst Kat Pencere ve Parapet (t)	G Üst Kat Kapı (t)
WB01	1.337	2.3	0.356	0.637	0.268	0	0	0.362	0.088	0	0

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT DUVAR YÜKLERİ**

Duvar Adı	Zati (t)	G Üst Duvardan (t)	Q Üst Duvardan (t)	G Döşemeden (t)	Q Döşemeden (t)	Ekstra G (t)	Ekstra Q (t)	G Kiriş Hatıldan (t)	Q Kiriş Hatıldan (t)	G Üst Kat Pencere ve Parapet (t)	G Üst Kat Kapı (t)
WZ02	2.933	3.949	0.428	1.016	0.428	0	0	0.325	0.068	0	0
WZ03	0.718	1.302	0.156	0.371	0.156	0	0	0.365	0	0	0
WB04	2.773	5.641	1.207	2.868	1.207	0	0	0	0	0	0
WB05	2.733	5.083	0.989	2.35	0.989	0	0	0	0	0	0
WZ06	1.935	3.893	0.824	1.957	0.824	0.534	0.068	0.163	0.034	0	0
WB07	2.773	5.639	1.207	2.866	1.207	0	0	0	0	0	0
WB08	2.733	5.519	1.173	2.785	1.173	0	0	0	0	0	0
WB09	1.855	4.295	0.963	1.916	0.807	0	0	0.568	0.156	0	0
WB10	0.279	0.559	0.115	0.28	0.115	0	0	0	0	0	0
WB11	0.978	3.024	0.717	1.183	0.457	0	0	1.025	0.261	0	0
WB12	0.798	2.658	0.647	0.998	0.386	0	0	1.025	0.261	0	0
WB13	0.798	1.678	0.291	0.412	0.174	0	0	0.63	0.117	0	0
WB14	0.898	1.829	0.312	0.464	0.195	0	0	0.63	0.117	0	0
WZ15	0.477	0.635	0.04	0.052	0.022	0	0	0.244	0.018	0	0
WZ16	1.743	2.945	0.399	0.597	0.251	0	0	0.906	0.148	0	0
WB17	3.595	5.845	0.868	1.792	0.755	0	0	0.62	0.113	0	0
WB18	1.652	3.414	0.582	0.838	0.353	0	0	1.249	0.23	0	0
WB19	1.476	3.184	0.55	0.755	0.318	0	0	1.255	0.232	0	0
WB20	0.818	1.722	0.291	0.417	0.176	0	0	0.626	0.116	0	0
WB21	0.918	2.674	0.611	0.987	0.385	0	0	0.931	0.226	0	0
WB22	0.678	2.177	0.511	0.73	0.285	0	0	0.931	0.226	0	0
WB23	0.08	0.149	0.029	0.069	0.029	0	0	0	0	0	0
WB24	1.955	3.653	0.715	1.698	0.715	0	0	0	0	0	0
WZ25	1.496	2.308	0.219	0.52	0.219	0.534	0.068	0.527	0.034	0	0
WB26	1.875	3.934	0.803	1.6	0.674	0	0	0.504	0.129	0	0
WB27	2.035	4.265	0.875	1.766	0.743	0	0	0.509	0.131	0	0
WB28	0.08	0.149	0.029	0.069	0.029	0	0	0	0	0	0
WB29	1.157	2.446	0.493	0.943	0.397	0	0	0.381	0.096	0	0
WB30	0.16	0.605	0.138	0.119	0.05	0	0	0.362	0.088	0	0
WB31	0.299	0.809	0.165	0.202	0.085	0	0	0.342	0.08	0	0
WB32	0.878	1.773	0.297	0.438	0.184	0	0	0.62	0.113	0	0
WB33	1.596	3.328	0.57	0.809	0.34	0	0	1.249	0.229	0	0
WB34	1.29	1.787	0.156	0.253	0.106	0	0	0.522	0.049	0	0

## KATLARA ETKİYEN DEPREM KUVVETLERİ

### Hesap Veri Giriş Bilgileri

Deprem Bölgesi	= 3. Derece Deprem Bölgesi
Ao	= 0.2 Etkin Yer İvmesi Katsayısı
I	= 1 Bina Önem Katsayısı
R	= 2 Taşıyıcı Sistem Davranış Katsayısı
ST	= 2.5 Spektrum Katsayısı

### DEPREMDEN DOLAYI KATLARA GELEN KESME KUVVETLERİ

Katın Adı	WG (t)	HYKK	WQ (t)	Wi	Hi	Wi*Hi	(Wi*Hi)/ S (Wi*Hi)	Vt (t)	Vi (t)	Qi (t)
1.KAT	124.748	0.3	22.127	131.386	6	788.316	0.668	65.542	43.762	43.762
ZEMİN KAT	124.143	0.3	22.127	130.781	3	392.344	0.332	65.542	21.78	65.542
TOPLAM	248.891	---	---	262.167	---	1180.66	1,000	---	65.542	---

### TABLODA KULLANILAN SİMGELER VE AÇIKLAMALARI

WG (t)	:Katın Ölü Yük Toplamı
HYKK	:Hareketli Yük Katılım Katsayısı
WQ (t)	:Katın Hareketli Yük Toplamı
Wi (t)	:Katın Deprem Etkisi Hesabında Kullanılan Yük Toplamı (Wi=WG+HYKK*WQ)
Hi (m)	:Kat Üst Döşeme Üstünün Temel Üstünden Mesafesi
Vt (t)	:Binaya Depremden Dolayı Gelen Toplam Kesme Kuvveti (Taban Kesme Kuvveti)
Vi (t)	:Katlara Depremden Dolayı Kat Hizalarında Etkiyen Kuvvet
Qi (t)	:Katlara Depremden Dolayı Etkiyen Kesme Kuvveti

## KAT KÜTLE ve KAYMA MERKEZİ KOORDİNATLARI

Kat İsmi	Kütle Merkezi Koordinatları		Kayma Merkezi Koordinatları	
	Xkütle (m)	Ykütle (m)	Xkayma (m)	Ykayma (m)

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT DUVAR RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Duvar Adı	Duvar Yönü	Duvar Etkili Yüksekliği (m)	Duvar Uzunluğu (m)	Duvar Kalınlığı (m)	Dx (m)	Dx*Y (m2)	Io <sub>x</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)	Dy*X (m2)	Io <sub>y</sub> =Dy*X <sup>2</sup> (m3)
W101	X-X	2.6	1.88	0.2	0.173	0.19	0.209	0	0	0
W102		2.4	0.1	0.2	0.01	-0.001	0	0	0	0
W103	X-X	1.35	0.9	0.2	0.16	-0.012	0.001	0	0	0
W104	X-X	2.6	3.68	0.2	0.339	1.136	3.807	0	0	0
W105	X-X	2.6	3.62	0.2	0.335	1.121	3.755	0	0	0
W106	Y-Y	2	2.52	0.2	0	0	0	0.303	1.053	3.659
W107	X-X	2.6	3.68	0.2	0.339	2.307	15.686	0	0	0
W108	X-X	2.6	3.62	0.2	0.335	2.275	15.473	0	0	0
W109	X-X	2	2.42	0.2	0.291	2.954	29.98	0	0	0
W110	X-X	2	0.35	0.2	0.042	0.426	4.327	0	0	0
W111	X-X	1.35	1.23	0.2	0.181	1.842	18.697	0	0	0
W112	X-X	1.35	1.1	0.2	0.196	1.985	20.147	0	0	0
W113	X-X	1.35	1.1	0.2	0.196	2.64	35.64	0	0	0
W114	X-X	1.35	1.23	0.2	0.218	2.94	39.69	0	0	0
W115	Y-Y	0.6	0.48	0.2	0	0	0	0.19	1.548	12.62
W116	Y-Y	0.6	1.75	0.2	0	0	0	0.583	4.754	38.746
W117	Y-Y	1.35	4.61	0.2	0	0	0	0.819	0	0
W118	Y-Y	1.35	2.07	0.2	0	0	0	0.307	0	0
W119	Y-Y	1.35	1.85	0.2	0	0	0	0.274	0	0
W120	Y-Y	1.35	1.02	0.2	0	0	0	0.182	0	0
W121	Y-Y	1.35	1.25	0.2	0	0	0	0.222	0.772	2.683
W122	Y-Y	1.35	0.95	0.2	0	0	0	0.169	0.587	2.039
W123	Y-Y	2	0.2	0.2	0	0	0	0.024	0.083	0.29
W124	Y-Y	2	2.55	0.2	0	0	0	0.306	1.063	3.695
W125	X-X	1.35	1.27	0.2	0.227	-0.017	0.001	0	0	0
W126	Y-Y	2	2.45	0.2	0	0	0	0.294	1.389	6.564
W127	Y-Y	2	2.55	0.2	0	0	0	0.306	1.446	6.832
W128	Y-Y	2	0.2	0.2	0	0	0	0.024	0.113	0.536
W129	Y-Y	2	1.55	0.2	0	0	0	0.186	1.204	7.798
W130	Y-Y	2	0.2	0.2	0	0	0	0.024	0.155	1.006
W131	Y-Y	2	0.48	0.2	0	0	0	0.057	0.369	2.39
W132	Y-Y	1.35	1.2	0.2	0	0	0	0.213	1.739	14.17
W133	Y-Y	1.35	2	0.2	0	0	0	0.296	2.415	19.681
W134	Y-Y	0.6	1.1	0.2	0	0	0	0.367	2.988	24.355
W135	X-X	2.4	3.78	0.2	0.378	-0.028	0.002	0	0	0
TOPLAM	---	---	---	---	6.378	36.418	358.511	8.905	42.396	296

**ZEMİN KAT DUVAR RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Duvar Adı	Duvar Yönü	Duvar Etkili Yüksekliği (m)	Duvar Uzunluğu (m)	Duvar Kalınlığı (m)	Dx (m)	Dx*Y (m2)	Io <sub>x</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)	Dy*X (m2)	Io <sub>y</sub> =Dy*X <sup>2</sup> (m3)
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## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT DUVAR RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Duvar Adı	Duvar Yönü	Duvar Etkili Yüksekliği (m)	Duvar Uzunluğu (m)	Duvar Kalınlığı (m)	Dx (m)	Dx*Y (m2)	I <sub>ox</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)	Dy*X (m2)	I <sub>oy</sub> =Dy*X <sup>2</sup> (m3)
WB01	X-X	2.6	1.88	0.2	0.173	0.19	0.209	0	0	0
WZ02	X-X	2.4	3.78	0.2	0.378	-0.028	0.002	0	0	0
WZ03	X-X	1.35	0.9	0.2	0.16	-0.012	0.001	0	0	0
WB04	X-X	2.6	3.68	0.2	0.339	1.136	3.807	0	0	0
WB05	X-X	2.6	3.62	0.2	0.335	1.121	3.755	0	0	0
WZ06	Y-Y	2	2.52	0.2	0	0	0	0.303	1.053	3.659
WB07	X-X	2.6	3.68	0.2	0.339	2.307	15.686	0	0	0
WB08	X-X	2.6	3.62	0.2	0.335	2.275	15.473	0	0	0
WB09	X-X	2	2.42	0.2	0.291	2.954	29.98	0	0	0
WB10	X-X	2	0.35	0.2	0.042	0.426	4.327	0	0	0
WB11	X-X	1.35	1.23	0.2	0.181	1.842	18.697	0	0	0
WB12	X-X	1.35	1.1	0.2	0.196	1.985	20.147	0	0	0
WB13	X-X	1.35	1.1	0.2	0.196	2.64	35.64	0	0	0
WB14	X-X	1.35	1.23	0.2	0.218	2.94	39.69	0	0	0
WZ15	Y-Y	0.6	0.48	0.2	0	0	0	0.19	1.548	12.62
WZ16	Y-Y	0.6	1.75	0.2	0	0	0	0.583	4.754	38.746
WB17	Y-Y	1.35	4.61	0.2	0	0	0	0.819	0	0
WB18	Y-Y	1.35	2.07	0.2	0	0	0	0.307	0	0
WB19	Y-Y	1.35	1.85	0.2	0	0	0	0.274	0	0
WB20	Y-Y	1.35	1.02	0.2	0	0	0	0.182	0	0
WB21	Y-Y	1.35	1.25	0.2	0	0	0	0.222	0.772	2.683
WB22	Y-Y	1.35	0.95	0.2	0	0	0	0.169	0.587	2.039
WB23	Y-Y	2	0.2	0.2	0	0	0	0.024	0.083	0.29
WB24	Y-Y	2	2.55	0.2	0	0	0	0.306	1.063	3.695
WZ25	X-X	1.35	1.27	0.2	0.227	-0.017	0.001	0	0	0
WB26	Y-Y	2	2.45	0.2	0	0	0	0.294	1.389	6.564
WB27	Y-Y	2	2.55	0.2	0	0	0	0.306	1.446	6.832
WB28	Y-Y	2	0.2	0.2	0	0	0	0.024	0.113	0.536
WB29	Y-Y	2	1.55	0.2	0	0	0	0.186	1.204	7.798
WB30	Y-Y	2	0.2	0.2	0	0	0	0.024	0.155	1.006
WB31	Y-Y	2	0.48	0.2	0	0	0	0.057	0.369	2.39
WB32	Y-Y	1.35	1.2	0.2	0	0	0	0.213	1.739	14.17
WB33	Y-Y	1.35	2	0.2	0	0	0	0.296	2.415	19.681
WB34	Y-Y	0.6	1.1	0.2	0	0	0	0.367	2.988	24.355
TOPLAM	---	---	---	---	6.175	36.439	358.508	8.788	41.999	295

**1.KAT DÜŞEY HATIL RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Düşey Hatıl Adı	Düşey Hatıl Yönü	X-X Etk. Yük/ Y-Y Etk. Yük(m)	Düşey Hatıl Genişliği (m)	Düşey Hatıl Kalınlığı (m)	Dx (m)*	Dx*Y (m2)	Io <sub>x</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)*	Dy*X (m2)	Io <sub>y</sub> =Dy*X <sup>2</sup> (m3)
DH101	Çift Yön	2.4/ 3	0.35	0.2	0.146	-0.011	0.001	0.117	0.397	1.349
DH102	Çift Yön	3/ 3	0.35	0.2	0.117	1.566	21.027	0.117	0	0
DH103	Çift Yön	3/ 3	0.35	0.2	0.117	1.184	12.019	0.117	0	0
DH104	Çift Yön	3/ 3	0.35	0.2	0.117	0.793	5.395	0.117	0	0
DH105	Çift Yön	3/ 3	0.35	0.2	0.117	0.391	1.309	0.117	0	0
DH106	Çift Yön	3/ 3	0.35	0.2	0.117	0	0	0.117	0	0
DH107	Çift Yön	3/ 3	0.2	0.35	0.117	1.575	21.262	0.117	0.397	1.349
DH108	Çift Yön	2/ 3	0.2	0.35	0.175	1.776	18.029	0.117	0.397	1.349
DH109	Çift Yön	3/ 2	0.2	0.35	0.117	0.793	5.395	0.175	0.595	2.023
DH110	Çift Yön	3/ 2	0.2	0.35	0.117	0.391	1.309	0.175	0.595	2.023
DH111	Çift Yön	3/ 3	0.2	0.35	0.117	1.184	12.019	0.117	0.56	2.688
DH112	Çift Yön	3/ 2	0.2	0.35	0.117	0.793	5.395	0.175	0.84	4.032
DH113	Çift Yön	3/ 2	0.2	0.35	0.117	0.391	1.309	0.175	0.84	4.032
DH114	Çift Yön	3/ 3	0.4	0.4	0.267	3.573	47.883	0.267	2.147	17.281
DH115	Çift Yön	3/ 3	0.35	0.2	0.117	1.184	12.019	0.117	0.951	7.749
DH116	Çift Yön	3/ 3	0.35	0.2	0.117	0.793	5.395	0.117	0.951	7.749
DH117	Çift Yön	3/ 3	0.35	0.2	0.117	0.391	1.309	0.117	0.951	7.749
DH118	Çift Yön	3/ 3	0.35	0.2	0.117	0	0	0.117	0.951	7.749
DH119	Çift Yön		0.35	0.2	0.117	-0.009	0.001	0.117	0.56	2.688
TOPLAM	---	---	---	---	6.378	36.418	358.511	8.905	42.396	296

\*Düşey Hatıl rijitlikleri bu projede (Düşey Hatıl Beton Elastisite Modülü/Duvar Elastisite Modülü=5) çarpanıyla artırılmıştır.

**ZEMİN KAT DÜŞEY HATIL RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Düşey Hatıl Adı	Düşey Hatıl Yönü	X-X Etk. Yük/ Y-Y Etk. Yük(m)	Düşey Hatıl Genişliği (m)	Düşey Hatıl Kalınlığı (m)	Dx (m)*	Dx*Y (m2)	Io <sub>x</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)*	Dy*X (m2)	Io <sub>y</sub> =Dy*X <sup>2</sup> (m3)
DHZ01	Çift Yön		0.35	0.2	0.117	-0.009	0.001	0.117	0.56	2.688
DHB02	Çift Yön	3/ 3	0.35	0.2	0.117	1.566	21.027	0.117	0	0
DHB03	Çift Yön	3/ 3	0.35	0.2	0.117	1.184	12.019	0.117	0	0
DHB04	Çift Yön	3/ 3	0.35	0.2	0.117	0.793	5.395	0.117	0	0
DHB05	Çift Yön	3/ 3	0.35	0.2	0.117	0.391	1.309	0.117	0	0
DHB06	Çift Yön	3/ 3	0.35	0.2	0.117	0	0	0.117	0	0
DHB07	Çift Yön	3/ 3	0.2	0.35	0.117	1.575	21.262	0.117	0.397	1.349
DHB08	Çift Yön	2/ 3	0.2	0.35	0.175	1.776	18.029	0.117	0.397	1.349
DHB09	Çift Yön	3/ 2	0.2	0.35	0.117	0.793	5.395	0.175	0.595	2.023
DHB10	Çift Yön	3/ 2	0.2	0.35	0.117	0.391	1.309	0.175	0.595	2.023
DHB11	Çift Yön	3/ 3	0.2	0.35	0.117	1.184	12.019	0.117	0.56	2.688
DHB12	Çift Yön	3/ 2	0.2	0.35	0.117	0.793	5.395	0.175	0.84	4.032
DHB13	Çift Yön	3/ 2	0.2	0.35	0.117	0.391	1.309	0.175	0.84	4.032
DHB14	Çift Yön	3/ 3	0.4	0.4	0.267	3.573	47.883	0.267	2.147	17.281
DHB15	Çift Yön	3/ 3	0.35	0.2	0.117	1.184	12.019	0.117	0.951	7.749



**ZEMİN KAT DÜŞEY HATIL RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Düşey Hatıl Adı	Düşey Hatıl Yönü	X-X Etk. Yük/ Y-Y Etk. Yük(m)	Düşey Hatıl Genişliği (m)	Düşey Hatıl Kalınlığı (m)	Dx (m)*	Dx*Y (m2)	I <sub>ox</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)*	Dy*X (m2)	I <sub>oy</sub> =Dy*X <sup>2</sup> (m3)
DHB16	Çift Yön	3/ 3	0.35	0.2	0.117	0.793	5.395	0.117	0.951	7.749
DHB17	Çift Yön	3/ 3	0.35	0.2	0.117	0.391	1.309	0.117	0.951	7.749
DHB18	Çift Yön	3/ 3	0.35	0.2	0.117	0	0	0.117	0.951	7.749
TOPLAM	---	---	---	---	6.175	36.439	358.508	8.788	41.999	295

\*Düşey Hatıl rijitlikleri bu projede (Düşey Hatıl Beton Elastisite Modülü/Duvar Elastisite Modülü=5) çarpanıyla artırılmıştır.

**1.KAT MANTO RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Manto Adı	Manto Yönü	Manto Etkili Yüksekliği (m)	Manto Uzunluğu (m)	Manto Kalınlığı (m)	Dx (m)*	Dx*Y (m2)	Io <sub>x</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)*	Dy*X (m2)	Io <sub>y</sub> =Dy*X <sup>2</sup> (m3)
C101	Y-Y	0.6	1.1	0.05	0	0	0	0.458	3.793	31.385
C102		0.6	0.48	0.05	0	0	0	0.238	1.965	16.263
C103		0.6	0.92	0.05	0	0	0	0.462	3.827	31.67
C104		1.35	1	0.05	0.222	-0.044	0.009	0	0	0
C105	X-X	1.35	1.27	0.05	0.283	-0.057	0.011	0	0	0
TOPLAM	---	---	---	---	6.378	36.418	358.511	8.905	42.396	296

\*Güçlendirme Manto rijitlikleri bu projede (Manto Elastisite Modülü/Duvar Elastisite Modülü=5) çarpanıyla artırılmıştır.

**ZEMİN KAT MANTO RİJİTLİKLERİ ve KAYMA MERKEZİ HESABI**

Manto Adı	Manto Yönü	Manto Etkili Yüksekliği (m)	Manto Uzunluğu (m)	Manto Kalınlığı (m)	Dx (m)*	Dx*Y (m2)	Io <sub>x</sub> =Dx*Y <sup>2</sup> (m3)	Dy (m)*	Dy*X (m2)	Io <sub>y</sub> =Dy*X <sup>2</sup> (m3)
CZ01	Y-Y	0.6	1.1	0.05	0	0	0	0.458	3.793	31.385
CZ02	Y-Y	0.6	0.48	0.05	0	0	0	0.238	1.965	16.263
CB03		0.6	0.92	0.05	0	0	0	0.462	3.827	31.67
CZ04		1.35	1	0.05	0.222	-0.044	0.009	0	0	0
CZ05	X-X	1.35	1.27	0.05	0.236	-0.047	0.009	0	0	0
TOPLAM	---	---	---	---	6.175	36.439	358.508	8.788	41.999	295

\*Güçlendirme Manto rijitlikleri bu projede (Manto Elastisite Modülü/Duvar Elastisite Modülü=5) çarpanıyla artırılmıştır.

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdış+n*Qdış	Hatıl	Düşey Hatıl	Pencere	Kapı
Ad	W101	D101	H101	DH101	P101	K101
W=G+n*Q	1.337	6.368	0.18	0.525	0.434	0.167
X1	6.48	0	2.32	3.22	5.8	6.48
X2	8.15	3.48	3.22	3.58	7.15	6.48
Y1	1.1	-0.08	10.15	0.02	10.15	1
Y2	1.1	3.35	10.15	-0.18	10.15	0.3
W*X	9.774	11.064	0.5	1.785	2.808	1.079
W*Y	1.47	10.427	1.827	-0.039	4.402	0.108
Ad	W102	D102	H102	DH102	P102	K102
W=G+n*Q	0.08	6.228	0.2	0.525	0.285	0.214
X1	3.48	0	3.58	-0.1	8.15	2.32
X2	3.58	3.48	4.58	0.1	8.15	3.22
Y1	-0.07	10.15	10.15	13.6	0.9	10.15
Y2	-0.08	13.5	10.15	13.25	0.3	10.15
W*X	0.281	10.821	0.815	0	2.324	0.594
W*Y	-0.006	73.647	2.03	7.048	0.171	2.174
Ad	W103	D103	H103	DH103	P103	K103
W=G+n*Q	0.718	9.553	0.27	0.525	0.285	0.238
X1	0	3.48	5.8	-0.1	8.15	3.58
X2	0.9	8.15	7.15	0.1	8.15	4.58
Y1	-0.08	10.15	10.15	10.32	2.6	10.15
Y2	-0.08	13.5	10.15	9.98	2	10.15
W*X	0.323	55.529	1.748	0	2.323	0.97
W*Y	-0.054	112.969	2.741	5.329	0.656	2.416
Ad	W104	D104	H104	DH104	P104	K104
W=G+n*Q	2.773	1.053	0.27	0.525	0.434	0.214
X1	0	6.48	1	-0.1	1	3.48
X2	3.48	8.15	2.35	0.1	2.35	3.48
Y1	3.35	-0.08	13.5	6.98	13.5	6.7
Y2	3.35	1.1	13.5	6.62	13.5	5.8
W*X	4.818	7.7	0.452	0	0.726	0.744
W*Y	9.29	0.54	3.645	3.57	5.855	1.339
Ad	W105	D105	H105	DH105	P105	K105
W=G+n*Q	2.733	2.016	0.28	0.525	0.434	0.09
X1	4.72	6.48	0.9	-0.1	0	3.48
X2	8.15	8.15	2.3	0.1	0	3.48
Y1	3.35	1.1	-0.08	3.52	9	3.25
Y2	3.35	3.35	-0.08	3.18	7.64	2.35
W*X	17.595	14.744	0.448	0	0	0.313
W*Y	9.156	4.486	-0.021	1.759	3.608	0.252
Ad	W106	D106	H106	DH106	P106	K106
W=G+n*Q	1.935	6.414	0.12	0.525	0.434	0.214
X1	3.48	0	8.15	-0.1	0	4.72
X2	3.48	3.48	8.15	0.1	0	4.72
Y1	2.35	3.35	0.9	0.18	5.58	7.8
Y2	-0.08	6.8	0.3	-0.18	4.22	6.9
W*X	6.725	11.144	0.978	0	0	1.012
W*Y	2.201	32.551	0.072	0	2.125	1.574
Ad	W107	D107	H107	DH107	P107	K107
W=G+n*Q	2.773	6.322	0.935	0.525	0.434	0.214
X1	0	4.72	3.48	3.22	0	4.72
X2	3.48	8.15	8.15	3.58	0	4.72
Y1	6.8	3.35	13.5	13.6	2.38	4.35
Y2	6.8	6.8	13.5	13.4	1.02	3.45
W*X	4.818	40.696	5.435	1.785	0	1.012
W*Y	18.857	32.083	12.622	7.088	0.737	0.835
Ad	W108	D108	H108	DH108	P108	K108
W=G+n*Q	2.733	6.228	0.27	0.525	0.434	0.167
X1	4.72	0	0	3.22	3.48	6.48
X2	8.15	3.48	0	3.58	3.48	6.48
Y1	6.8	6.8	9	10.25	12.35	1.9
Y2	6.8	10.15	7.64	10.05	11	1.2
W*X	17.595	10.821	0	1.785	1.507	1.079
W*Y	18.585	52.783	2.246	5.329	5.063	0.258

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdiş+n*Qdiş	Hatıl	Düsey Hatıl	Pencere	Kapı
Ad	W109	D109	H109	DH109	P109	K109
W=G+n*Q	1.855	6.138	0.27	0.525	0.434	0.149
X1	0	4.72	0	3.22	8.15	3.58
X2	2.32	8.15	0	3.58	8.15	4.48
Y1	10.15	6.8	5.58	6.9	9.05	-0.08
Y2	10.15	10.15	4.22	6.7	7.7	-0.08
W*X	2.157	39.516	0	1.785	3.535	0.601
W*Y	18.832	52.023	1.323	3.57	3.632	-0.011
Ad	W110	D110	H110	DH110	P110	
W=G+n*Q	0.279	4.548	0.27	0.525	0.434	
X1	3.22	3.48	0	3.22	8.15	
X2	3.58	4.72	0	3.58	8.15	
Y1	10.15	3.35	2.38	3.45	5.7	
Y2	10.15	10.15	1.02	3.25	4.35	
W*X	0.95	18.645	0	1.785	3.535	
W*Y	2.835	30.696	0.459	1.759	2.179	
Ad	W111	D111	H111	DH111	P111	
W=G+n*Q	0.978	5.497	0.27	0.525	0.45	
X1	4.58	3.48	3.48	4.62	0.9	
X2	5.8	6.48	3.48	4.98	2.3	
Y1	10.15	-0.08	12.35	10.25	-0.08	
Y2	10.15	3.35	11	10.05	-0.08	
W*X	5.071	27.348	0.938	2.52	0.72	
W*Y	9.922	9.002	3.152	5.329	-0.034	
Ad	W112		H112	DH112		
W=G+n*Q	0.798		0.67	0.525		
X1	7.15		3.48	4.62		
X2	8.15		3.48	4.98		
Y1	10.15		10.15	6.9		
Y2	10.15		6.8	6.7		
W*X	6.105		2.328	2.52		
W*Y	8.1		5.678	3.57		
Ad	W113		H113	DH113		
W=G+n*Q	0.798		0.18	0.525		
X1	0		3.48	4.62		
X2	1		3.48	4.98		
Y1	13.5		6.7	3.45		
Y2	13.5		5.8	3.25		
W*X	0.399		0.626	2.52		
W*Y	10.773		1.125	1.759		
Ad	W114		H114	DH114		
W=G+n*Q	0.898		0.18	1.2		
X1	2.35		4.72	7.85		
X2	3.48		4.72	8.25		
Y1	13.5		7.8	13.6		
Y2	13.5		6.9	13.2		
W*X	2.615		0.851	9.66		
W*Y	12.12		1.323	16.08		
Ad	W115		H115	DH115		
W=G+n*Q	0.477		0.18	0.525		
X1	8.15		4.72	8.05		
X2	8.15		4.72	8.25		
Y1	0.3		4.35	10.32		
Y2	-0.08		3.45	9.98		
W*X	3.891		0.851	4.279		
W*Y	0.054		0.702	5.329		
Ad	W116		H116	DH116		
W=G+n*Q	1.743		0.14	0.525		
X1	8.15		6.48	8.05		
X2	8.15		6.48	8.25		
Y1	4.35		1.9	6.98		
Y2	2.6		1.2	6.62		
W*X	14.209		0.907	4.279		
W*Y	6.058		0.217	3.57		

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdöş+n*Qdöş	Hatıl	Düsey Hatıl	Pencere	Kapı
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W117 3.595 0 0 13.5 9 0 40.435		H117 0.14 6.48 6.48 1 0.3 0.907 0.091	DH117 0.525 8.05 8.25 3.52 3.18 4.279 1.759		
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W118 1.652 0 0 7.64 5.58 0 10.919		H118 0.67 8.15 8.15 13.5 10.15 5.461 7.923	DH118 0.525 8.05 8.25 0.18 -0.18 4.279 0		
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W119 1.476 0 0 4.22 2.38 0 4.872		H119 0.27 8.15 8.15 9.05 7.7 2.201 2.261	DH119 0.525 0 0 0 0 0 0		
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W120 0.818 0 0 1.02 0 0 0.419		H120 0.27 8.15 8.15 5.7 4.35 2.201 1.357			
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W121 0.918 3.48 3.48 13.5 12.35 3.189 11.861		H121 0.12 8.15 8.15 2.6 2 0.978 0.276			
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W122 0.678 3.48 3.48 11 10.15 2.357 7.173		H122 0.18 3.58 4.48 -0.08 -0.08 0.724 -0.014			
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W123 0.08 3.48 3.48 6.8 6.7 0.277 0.539					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W124 1.955 3.48 3.48 5.8 3.35 6.794 8.945					

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdöş+n*Qdöş	Hatıl	Düsey Hatıl	Pencere	Kapı
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W125 1.496 2.3 3.58 -0.08 -0.08 4.393 -0.112					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W126 1.875 4.72 4.72 10.15 7.8 8.861 16.831					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W127 2.035 4.72 4.72 6.9 4.35 9.615 11.446					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W128 0.08 4.72 4.72 3.45 3.35 0.377 0.271					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W129 1.157 6.48 6.48 3.35 1.9 7.492 3.037					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W130 0.16 6.48 6.48 1.2 1 1.033 0.176					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W131 0.299 6.48 6.48 0.3 -0.08 1.938 0.034					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	W132 0.878 8.15 8.15 10.15 9.05 7.154 8.427					

**1.KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdöş+n*Qdöş	Hatıl	Düsey Hatıl	Pencere	Kapı
Ad	W133					
W=G+n*Q	1.596					
X1	8.15					
X2	8.15					
Y1	7.7					
Y2	5.7					
W*X	13.007					
W*Y	10.693					
Ad	W134					
W=G+n*Q	1.29					
X1	8.15					
X2	8.15					
Y1	2					
Y2	0.9					
W*X	10.516					
W*Y	1.871					
Ad	W135					
W=G+n*Q	2.933					
X1	4.48					
X2	8.15					
Y1	-0.08					
Y2	-0.08					
W*X	18.512					
W*Y	-0.22					
TOPLAM W	47.879	60.365	6.335	10.65	4.489	1.667
TOP(W*Xort)	=192.84	248.028	29.346	45.78	17.477	7.404
TOP(W*Yort)	=265.809	411.205	51.036	72.767	28.395	8.946
1.KATToplam(Kat Ağırlığı*Xbileşen)=540.876 tm						
1.KATToplam(Kat Ağırlığı*Ybileşen)=838.157 tm						
1.KATToplam Kat Ağırlığı=131.386 t						
1.KATKütle Merkezi X Koordinat Değeri=4.12 m						
1.KATKütle Merkezi Y Koordinat Değeri=6.38 m						

**ZEMİN KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdöş+n*Qdöş	Hatıl	Düsey Hatıl	Pencere	Kapı
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## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdiş+n*Qdiş	Hatıl	Düsey Hatıl	Pencere	Kapı
Ad	WB01	DB01	HB01	DHZ01	PB01	KZ01
W=G+n*Q	1.337	6.368	0.18	0.525	0.434	0.167
X1	6.48	0	2.32	0	5.8	6.48
X2	8.15	3.48	3.22	0	7.15	6.48
Y1	1.1	-0.08	10.15	0	10.15	1
Y2	1.1	3.35	10.15	0	10.15	0.3
W*X	9.774	11.064	0.5	0	2.808	1.079
W*Y	1.47	10.427	1.827	0	4.402	0.108
Ad	WZ02	DB02	HB02	DHB02	PB02	KB02
W=G+n*Q	2.933	6.228	0.2	0.525	0.285	0.214
X1	4.48	0	3.58	-0.1	8.15	2.32
X2	8.15	3.48	4.58	0.1	8.15	3.22
Y1	-0.08	10.15	10.15	13.6	0.9	10.15
Y2	-0.08	13.5	10.15	13.25	0.3	10.15
W*X	18.512	10.821	0.815	0	2.324	0.594
W*Y	-0.22	73.647	2.03	7.048	0.171	2.174
Ad	WZ03	DB03	HB03	DHB03	PB03	KB03
W=G+n*Q	0.718	9.553	0.27	0.525	0.285	0.238
X1	0	3.48	5.8	-0.1	8.15	3.58
X2	0.9	8.15	7.15	0.1	8.15	4.58
Y1	-0.08	10.15	10.15	10.32	2.6	10.15
Y2	-0.08	13.5	10.15	9.98	2	10.15
W*X	0.323	55.529	1.748	0	2.323	0.97
W*Y	-0.054	112.969	2.741	5.329	0.656	2.416
Ad	WB04	DB04	HB04	DHB04	PB04	KB04
W=G+n*Q	2.773	1.053	0.27	0.525	0.434	0.214
X1	0	6.48	1	-0.1	1	3.48
X2	3.48	8.15	2.35	0.1	2.35	3.48
Y1	3.35	-0.08	13.5	6.98	13.5	6.7
Y2	3.35	1.1	13.5	6.62	13.5	5.8
W*X	4.818	7.7	0.452	0	0.726	0.744
W*Y	9.29	0.54	3.645	3.57	5.855	1.339
Ad	WB05	DB05	HZ05	DHB05	PB05	KZ05
W=G+n*Q	2.733	2.016	0.28	0.525	0.434	0.09
X1	4.72	6.48	0.9	-0.1	0	3.48
X2	8.15	8.15	2.3	0.1	0	3.48
Y1	3.35	1.1	-0.08	3.52	9	3.25
Y2	3.35	3.35	-0.08	3.18	7.64	2.35
W*X	17.595	14.744	0.448	0	0	0.313
W*Y	9.156	4.486	-0.021	1.759	3.608	0.252
Ad	WZ06	DB06	HZ06	DHB06	PB06	KB06
W=G+n*Q	1.935	6.414	0.12	0.525	0.434	0.214
X1	3.48	0	8.15	-0.1	0	4.72
X2	3.48	3.48	8.15	0.1	0	4.72
Y1	2.35	3.35	0.9	0.18	5.58	7.8
Y2	-0.08	6.8	0.3	-0.18	4.22	6.9
W*X	6.725	11.144	0.978	0	0	1.012
W*Y	2.201	32.551	0.072	0	2.125	1.574
Ad	WB07	DB07	HB07	DHB07	PB07	KB07
W=G+n*Q	2.773	6.322	0.935	0.525	0.434	0.214
X1	0	4.72	3.48	3.22	0	4.72
X2	3.48	8.15	8.15	3.58	0	4.72
Y1	6.8	3.35	13.5	13.6	2.38	4.35
Y2	6.8	6.8	13.5	13.4	1.02	3.45
W*X	4.818	40.696	5.435	1.785	0	1.012
W*Y	18.857	32.083	12.622	7.088	0.737	0.835
Ad	WB08	DB08	HB08	DHB08	PB08	KB08
W=G+n*Q	2.733	6.228	0.27	0.525	0.434	0.167
X1	4.72	0	0	3.22	3.48	6.48
X2	8.15	3.48	0	3.58	3.48	6.48
Y1	6.8	6.8	9	10.25	12.35	1.9
Y2	6.8	10.15	7.64	10.05	11	1.2
W*X	17.595	10.821	0	1.785	1.507	1.079
W*Y	18.585	52.783	2.246	5.329	5.063	0.258



## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdiş+n*Qdiş	Hatıl	Düsey Hatıl	Pencere	Kapı
Ad	WB09	DB09	HB09	DHB09	PB09	KZ09
W=G+n*Q	1.855	6.138	0.27	0.525	0.434	0.149
X1	0	4.72	0	3.22	8.15	3.58
X2	2.32	8.15	0	3.58	8.15	4.48
Y1	10.15	6.8	5.58	6.9	9.05	-0.08
Y2	10.15	10.15	4.22	6.7	7.7	-0.08
W*X	2.157	39.516	0	1.785	3.535	0.601
W*Y	18.832	52.023	1.323	3.57	3.632	-0.011
Ad	WB10	DZ10	HB10	DHB10	PB10	
W=G+n*Q	0.279	4.548	0.27	0.525	0.434	
X1	3.22	3.48	0	3.22	8.15	
X2	3.58	4.72	0	3.58	8.15	
Y1	10.15	3.35	2.38	3.45	5.7	
Y2	10.15	10.15	1.02	3.25	4.35	
W*X	0.95	18.645	0	1.785	3.535	
W*Y	2.835	30.696	0.459	1.759	2.179	
Ad	WB11	DZ11	HB11	DHB11	PZ11	
W=G+n*Q	0.978	5.497	0.27	0.525	0.45	
X1	4.58	3.48	3.48	4.62	0.9	
X2	5.8	6.48	3.48	4.98	2.3	
Y1	10.15	-0.08	12.35	10.25	-0.08	
Y2	10.15	3.35	11	10.05	-0.08	
W*X	5.071	27.348	0.938	2.52	0.72	
W*Y	9.922	9.002	3.152	5.329	-0.034	
Ad	WB12		HB12	DHB12		
W=G+n*Q	0.798		0.67	0.525		
X1	7.15		3.48	4.62		
X2	8.15		3.48	4.98		
Y1	10.15		10.15	6.9		
Y2	10.15		6.8	6.7		
W*X	6.105		2.328	2.52		
W*Y	8.1		5.678	3.57		
Ad	WB13		HB13	DHB13		
W=G+n*Q	0.798		0.18	0.525		
X1	0		3.48	4.62		
X2	1		3.48	4.98		
Y1	13.5		6.7	3.45		
Y2	13.5		5.8	3.25		
W*X	0.399		0.626	2.52		
W*Y	10.773		1.125	1.759		
Ad	WB14		HB14	DHB14		
W=G+n*Q	0.898		0.18	1.2		
X1	2.35		4.72	7.85		
X2	3.48		4.72	8.25		
Y1	13.5		7.8	13.6		
Y2	13.5		6.9	13.2		
W*X	2.615		0.851	9.66		
W*Y	12.12		1.323	16.08		
Ad	WZ15		HB15	DHB15		
W=G+n*Q	0.477		0.18	0.525		
X1	8.15		4.72	8.05		
X2	8.15		4.72	8.25		
Y1	0.3		4.35	10.32		
Y2	-0.08		3.45	9.98		
W*X	3.891		0.851	4.279		
W*Y	0.054		0.702	5.329		
Ad	WZ16		HB16	DHB16		
W=G+n*Q	1.743		0.14	0.525		
X1	8.15		6.48	8.05		
X2	8.15		6.48	8.25		
Y1	4.35		1.9	6.98		
Y2	2.6		1.2	6.62		
W*X	14.209		0.907	4.279		
W*Y	6.058		0.217	3.57		

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdış+n*Qdış	Hatıl	Düşey Hatıl	Pencere	Kapı
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB17 3.595 0 0 13.5 9 0 40.435		HB17 0.14 6.48 6.48 1 0.3 0.907 0.091	DHB17 0.525 8.05 8.25 3.52 3.18 4.279 1.759		
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB18 1.652 0 0 7.64 5.58 0 10.919		HB18 0.67 8.15 8.15 13.5 10.15 5.461 7.923	DHB18 0.525 8.05 8.25 0.18 -0.18 4.279 0		
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB19 1.476 0 0 4.22 2.38 0 4.872		HB19 0.27 8.15 8.15 9.05 7.7 2.201 2.261			
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB20 0.818 0 0 1.02 0 0 0.419		HB20 0.27 8.15 8.15 5.7 4.35 2.201 1.357			
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB21 0.918 3.48 3.48 13.5 12.35 3.189 11.861		HB21 0.12 8.15 8.15 2.6 2 0.978 0.276			
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB22 0.678 3.48 3.48 11 10.15 2.357 7.173		HZ22 0.18 3.58 4.48 -0.08 -0.08 0.724 -0.014			
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB23 0.08 3.48 3.48 6.8 6.7 0.277 0.539					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB24 1.955 3.48 3.48 5.8 3.35 6.794 8.945					

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdış+n*Qdış	Hatıl	Düşey Hatıl	Pencere	Kapı
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WZ25 1.496 2.3 3.58 -0.08 -0.08 4.393 -0.112					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB26 1.875 4.72 4.72 10.15 7.8 8.861 16.831					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB27 2.035 4.72 4.72 6.9 4.35 9.615 11.446					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB28 0.08 4.72 4.72 3.45 3.35 0.377 0.271					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB29 1.157 6.48 6.48 3.35 1.9 7.492 3.037					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB30 0.16 6.48 6.48 1.2 1 1.033 0.176					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB31 0.299 6.48 6.48 0.3 -0.08 1.938 0.034					
Ad W=G+n*Q X1 X2 Y1 Y2 W*X W*Y	WB32 0.878 8.15 8.15 10.15 9.05 7.154 8.427					

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT KÜTLE MERKEZİ HESABI**

	Duvar	Gdöş+n*Qdöş	Hatıl	Düsey Hatıl	Pencere	Kapı
Ad	WB33					
W=G+n*Q	1.596					
X1	8.15					
X2	8.15					
Y1	7.7					
Y2	5.7					
W*X	13.007					
W*Y	10.693					
Ad	WB34					
W=G+n*Q	1.29					
X1	8.15					
X2	8.15					
Y1	2					
Y2	0.9					
W*X	10.516					
W*Y	1.871					
TOPLAM W	47.799	60.365	6.335	10.125	4.489	1.667
TOP(W*Xort)	=192.559	248.028	29.346	43.995	17.477	7.404
TOP(W*Yort)	=265.815	411.205	51.036	72.806	28.395	8.946
ZEMİN KATToplam(Kat Ağırlığı*Xbileşen)=538.81 tm						
ZEMİN KATToplam(Kat Ağırlığı*Ybileşen)=838.203 tm						
ZEMİN KATToplam Kat Ağırlığı=130.781 t						
ZEMİN KATKütle Merkezi X Koordinat Değeri=4.12 m						
ZEMİN KATKütle Merkezi Y Koordinat Değeri=6.41 m						

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yığma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**TEMEL HESAPLARI**

Temel Adı	Genişlik (cm)	Yükseklik (cm)	Max Zemin Gerilmesi (t/m <sup>2</sup> )	Min Zemin Gerilmesi (t/m <sup>2</sup> )	Ort. Zemin Gerilmesi (t/m <sup>2</sup> )	Vd (t/m)	Vcr (t/m)	Md (t/m)	Mcr (t/m)	Durum
T001	80	30	0.29	0.29	0.29	0	15.47	0	2.8	Ok
T002	80	40	4.47	4.47	3.18	1.34	20.63	0.2	4.97	Ok
T003	80	30	5.29	4.79	4.05	1.59	15.47	0.24	2.8	Ok
T004	80	30	5.29	5.24	4.23	1.59	15.47	0.24	2.8	Ok
T005	80	30	5.41	1.66	4.12	1.62	15.47	0.24	2.8	Ok
T006	80	30	3.45	3.42	1.58	1.03	15.47	0.16	2.8	Ok
T007	80	30	3.64	3.4	3.36	1.09	15.47	0.16	2.8	Ok
T008	80	30	4.97	1.17	3.09	1.49	15.47	0.22	2.8	Ok
T009	80	30	4.61	1.17	3.77	1.38	15.47	0.21	2.8	Ok
T010	80	40	4.59	2.59	3.32	1.38	20.63	0.21	4.97	Ok
T011	80	30	3.57	3.12	2.58	1.07	15.47	0.16	2.8	Ok

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT DUVAR KESME KUVVETLERİ HESABI**

Duvar Adı	Duvar Yönü	Vx (t)	Vy (t)	Vbx1 (t)	Vby1 (t)	Vtx1 (t)	Vty1 (t)			
W101	X-X	1.188	0	0.15	0	1.337	0			
W102		0.069	0	0.011	0	0.079	0			
W103	X-X	1.098	0	0.174	0	1.272	0			
W104	X-X	2.328	0	0.15	0	2.478	0			
W105	X-X	2.296	0	0.148	0	2.444	0			
W106	Y-Y	0	1.489	0	0.094	0	1.583			
W107	X-X	2.328	0	0.07	0	2.397	0			
W108	X-X	2.296	0	0.069	0	2.364	0			
W109	X-X	1.997	0	0.243	0	2.239	0			
W110	X-X	0.288	0	0.035	0	0.323	0			
W111	X-X	1.245	0	0.151	0	1.397	0			
W112	X-X	1.342	0	0.163	0	1.505	0			
W113	X-X	1.342	0	0.286	0	1.628	0			
W114	X-X	1.494	0	0.319	0	1.813	0			
W115	Y-Y	0	0.934	0	0.155	0	1.089			
W116	Y-Y	0	2.867	0	0.476	0	3.343			
W117	Y-Y	0	4.023	0	0.939	0	4.962			
W118	Y-Y	0	1.507	0	0.352	0	1.859			
W119	Y-Y	0	1.347	0	0.314	0	1.661			
W120	Y-Y	0	0.896	0	0.209	0	1.105			
W121	Y-Y	0	1.092	0	0.069	0	1.161			
W122	Y-Y	0	0.83	0	0.052	0	0.882			
W123	Y-Y	0	0.118	0	0.007	0	0.125			
W124	Y-Y	0	1.504	0	0.095	0	1.599			
W125	X-X	1.555	0	0.246	0	1.802	0			
W126	Y-Y	0	1.445	0	0.003	0	1.447			
W127	Y-Y	0	1.504	0	0.003	0	1.506			
W128	Y-Y	0	0.118	0	0	0	0.118			
W129	Y-Y	0	0.914	0	0.077	0	0.991			
W130	Y-Y	0	0.118	0	0.01	0	0.128			
W131	Y-Y	0	0.28	0	0.024	0	0.304			
W132	Y-Y	0	1.048	0	0.174	0	1.223			
W133	Y-Y	0	1.456	0	0.242	0	1.698			
W134	Y-Y	0	1.802	0	0.299	0	2.101			
W135	X-X	2.59	0	0.41	0	3.001	0			
TOPLAM	---	23.454	25.292	2.626	3.594	26.08	28.885			

**ZEMİN KAT DUVAR KESME KUVVETLERİ HESABI**

Duvar Adı	Duvar Yönü	Vx (t)	Vy (t)	Vbx1 (t)	Vby1 (t)	Vtx1 (t)	Vty1 (t)			
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## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT DUVAR KESME KUVVETLERİ HESABI**

Duvar Adı	Duvar Yönü	Vx (t)	Vy (t)	Vbx1 (t)	Vby1 (t)	Vtx1 (t)	Vty1 (t)			
WB01	X-X	1.837	0	0.245	0	2.082	0			
WZ02	X-X	4.007	0	0.664	0	4.671	0			
WZ03	X-X	1.698	0	0.281	0	1.98	0			
WB04	X-X	3.601	0	0.255	0	3.855	0			
WB05	X-X	3.552	0	0.251	0	3.803	0			
WZ06	Y-Y	0	2.26	0	0.129	0	2.389			
WB07	X-X	3.601	0	0.09	0	3.69	0			
WB08	X-X	3.552	0	0.089	0	3.64	0			
WB09	X-X	3.089	0	0.364	0	3.453	0			
WB10	X-X	0.446	0	0.053	0	0.498	0			
WB11	X-X	1.926	0	0.227	0	2.153	0			
WB12	X-X	2.076	0	0.244	0	2.32	0			
WB13	X-X	2.076	0	0.437	0	2.513	0			
WB14	X-X	2.312	0	0.487	0	2.798	0			
WZ15	Y-Y	0	1.417	0	0.21	0	1.627			
WZ16	Y-Y	0	4.351	0	0.644	0	4.994			
WB17	Y-Y	0	6.106	0	1.281	0	7.387			
WB18	Y-Y	0	2.287	0	0.48	0	2.767			
WB19	Y-Y	0	2.044	0	0.429	0	2.473			
WB20	Y-Y	0	1.359	0	0.285	0	1.644			
WB21	Y-Y	0	1.657	0	0.095	0	1.752			
WB22	Y-Y	0	1.26	0	0.072	0	1.332			
WB23	Y-Y	0	0.179	0	0.01	0	0.189			
WB24	Y-Y	0	2.282	0	0.131	0	2.413			
WZ25	X-X	2.406	0	0.399	0	2.804	0			
WB26	Y-Y	0	2.193	0	0.005	0	2.198			
WB27	Y-Y	0	2.282	0	0.005	0	2.288			
WB28	Y-Y	0	0.179	0	0	0	0.179			
WB29	Y-Y	0	1.387	0	0.103	0	1.49			
WB30	Y-Y	0	0.179	0	0.013	0	0.192			
WB31	Y-Y	0	0.425	0	0.032	0	0.457			
WB32	Y-Y	0	1.591	0	0.235	0	1.826			
WB33	Y-Y	0	2.21	0	0.327	0	2.537			
WB34	Y-Y	0	2.735	0	0.405	0	3.139			
TOPLAM	---	36.176	38.382	4.084	4.892	40.26	43.274			

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT DUVAR DÜŞEY GERİLME KONTROLÜ**

Duvar Adı	Duvar Malz.	Duvar Boyu (m)	Duvar Kalınlığı (m)	Narinlik Oranı	Narinlik Azaltma Katsayısı	Basınç Dayanım Gerilmesi (Mpa) (Duvar)	Duvar Düşey Yüğü (t)	Duvar Basınç Gerilmesi Mpa	Azaltılmış Bas. Day. Gerilmesi (Mpa)(Duvar)	Basınç Kapasitesi Kullanım Oranı	Durum
W101	-----	1.88	0.2	13	0.81	0.5	2.656	0.07	0.36	%19	Ok
W102	-----	0.1	0.2	13	0.81	0.5	0.08	0.04	0.36	%11	Ok
W103	-----	0.9	0.2	13	0.81	0.5	1.458	0.08	0.36	%22	Ok
W104	-----	3.68	0.2	13	0.81	0.5	6.848	0.09	0.36	%26	Ok
W105	-----	3.62	0.2	13	0.81	0.5	6.072	0.08	0.36	%23	Ok
W106	-----	2.52	0.2	13	0.81	0.5	4.717	0.09	0.36	%26	Ok
W107	-----	3.68	0.2	13	0.81	0.5	6.846	0.09	0.36	%26	Ok
W108	-----	3.62	0.2	13	0.81	0.5	6.691	0.09	0.36	%25	Ok
W109	-----	2.42	0.2	13	0.81	0.5	5.258	0.11	0.36	%30	Ok
W110	-----	0.35	0.2	13	0.81	0.5	0.674	0.1	0.36	%26	Ok
W111	-----	1.23	0.2	13	0.81	0.5	3.741	0.15	0.36	%42	Ok
W112	-----	1.1	0.2	13	0.81	0.5	3.305	0.15	0.36	%41	Ok
W113	-----	1.1	0.2	13	0.81	0.5	1.968	0.09	0.36	%25	Ok
W114	-----	1.23	0.2	13	0.81	0.5	2.141	0.09	0.36	%24	Ok
W115	-----	0.48	0.2	13	0.81	0.5	0.675	0.07	0.36	%19	Ok
W116	-----	1.75	0.2	13	0.81	0.5	3.344	0.1	0.36	%26	Ok
W117	-----	4.61	0.2	13	0.81	0.5	6.713	0.07	0.36	%20	Ok
W118	-----	2.07	0.2	13	0.81	0.5	3.996	0.1	0.36	%26	Ok
W119	-----	1.85	0.2	13	0.81	0.5	3.734	0.1	0.36	%28	Ok
W120	-----	1.02	0.2	13	0.81	0.5	2.013	0.1	0.36	%27	Ok
W121	-----	1.25	0.2	13	0.81	0.5	3.285	0.13	0.36	%36	Ok
W122	-----	0.95	0.2	13	0.81	0.5	2.688	0.14	0.36	%39	Ok
W123	-----	0.2	0.2	13	0.81	0.5	0.178	0.04	0.36	%12	Ok
W124	-----	2.55	0.2	13	0.81	0.5	4.368	0.09	0.36	%23	Ok
W125	-----	1.27	0.2	13	0.81	0.5	2.448	0.1	0.36	%26	Ok
W126	-----	2.45	0.2	13	0.81	0.5	4.737	0.1	0.36	%27	Ok
W127	-----	2.55	0.2	13	0.81	0.5	5.139	0.1	0.36	%28	Ok
W128	-----	0.2	0.2	13	0.81	0.5	0.178	0.04	0.36	%12	Ok
W129	-----	1.55	0.2	13	0.81	0.5	2.939	0.09	0.36	%26	Ok
W130	-----	0.2	0.2	13	0.81	0.5	0.743	0.19	0.36	%51	Ok
W131	-----	0.48	0.2	13	0.81	0.5	0.974	0.1	0.36	%28	Ok
W132	-----	1.2	0.2	13	0.81	0.5	2.071	0.09	0.36	%24	Ok
W133	-----	2	0.2	13	0.81	0.5	3.898	0.1	0.36	%27	Ok
W134	-----	1.1	0.2	13	0.81	0.5	1.942	0.09	0.36	%24	Ok
W135	-----	3.78	0.2	13	0.81	0.5	4.376	0.06	0.36	%16	Ok

**ZEMİN KAT DUVAR DÜŞEY GERİLME KONTROLÜ**

Duvar Adı	Duvar Malz.	Duvar Boyu (m)	Duvar Kalınlığı (m)	Narinlik Oranı	Narinlik Azaltma Katsayısı	Basınç Dayanım Gerilmesi (Mpa) (Duvar)	Duvar Düşey Yüğü (t)	Duvar Basınç Gerilmesi Mpa	Azaltılmış Bas. Day. Gerilmesi (Mpa)(Duvar)	Basınç Kapasitesi Kullanım Oranı	Durum
WB01	-----	1.88	0.2	13	0.81	0.5	5.346	0.14	0.36	%39	Ok



**ZEMİN KAT DUVAR DÜŞEY GERİLME KONTROLÜ**

Duvar Adı	Duvar Malz.	Duvar Boyu (m)	Duvar Kalınlığı (m)	Narinlik Oranı	Narinlik Azaltma Katsayısı	Basınç Dayanım Gerilmesi (Mpa) (Duvar)	Duvar Düşey Yüğü (t)	Duvar Basınç Gerilmesi Mpa	Azaltılmış Bas. Day. Gerilmesi (Mpa)(Duvar)	Basınç Kapasitesi Kullanım Oranı	Durum
WZ02	-----	3.78	0.2	13	0.81	0.5	9.145	0.12	0.36	%33	Ok
WZ03	-----	0.9	0.2	13	0.81	0.5	3.069	0.17	0.36	%47	Ok
WB04	-----	3.68	0.2	13	0.81	0.5	13.696	0.19	0.36	%51	Ok
WB05	-----	3.62	0.2	13	0.81	0.5	12.144	0.17	0.36	%46	Ok
WZ06	-----	2.52	0.2	13	0.81	0.5	10.231	0.2	0.36	%56	Ok
WB07	-----	3.68	0.2	13	0.81	0.5	13.692	0.19	0.36	%51	Ok
WB08	-----	3.62	0.2	13	0.81	0.5	13.383	0.18	0.36	%51	Ok
WB09	-----	2.42	0.2	13	0.81	0.5	10.561	0.22	0.36	%60	Ok
WB10	-----	0.35	0.2	13	0.81	0.5	1.348	0.19	0.36	%53	Ok
WB11	-----	1.23	0.2	13	0.81	0.5	7.645	0.31	0.36	%86	Ok
WB12	-----	1.1	0.2	13	0.81	0.5	6.773	0.31	0.36	%84	Ok
WB13	-----	1.1	0.2	13	0.81	0.5	4.099	0.19	0.36	%51	Ok
WB14	-----	1.23	0.2	13	0.81	0.5	4.445	0.18	0.36	%50	Ok
WZ15	-----	0.48	0.2	13	0.81	0.5	1.488	0.16	0.36	%43	Ok
WZ16	-----	1.75	0.2	13	0.81	0.5	6.989	0.2	0.36	%55	Ok
WB17	-----	4.61	0.2	13	0.81	0.5	13.588	0.15	0.36	%40	Ok
WB18	-----	2.07	0.2	13	0.81	0.5	8.317	0.2	0.36	%55	Ok
WB19	-----	1.85	0.2	13	0.81	0.5	7.77	0.21	0.36	%58	Ok
WB20	-----	1.02	0.2	13	0.81	0.5	4.165	0.2	0.36	%56	Ok
WB21	-----	1.25	0.2	13	0.81	0.5	6.733	0.27	0.36	%74	Ok
WB22	-----	0.95	0.2	13	0.81	0.5	5.538	0.29	0.36	%80	Ok
WB23	-----	0.2	0.2	13	0.81	0.5	0.357	0.09	0.36	%24	Ok
WB24	-----	2.55	0.2	13	0.81	0.5	8.735	0.17	0.36	%47	Ok
WZ25	-----	1.27	0.2	13	0.81	0.5	5.925	0.23	0.36	%64	Ok
WB26	-----	2.45	0.2	13	0.81	0.5	9.519	0.19	0.36	%53	Ok
WB27	-----	2.55	0.2	13	0.81	0.5	10.323	0.2	0.36	%56	Ok
WB28	-----	0.2	0.2	13	0.81	0.5	0.357	0.09	0.36	%24	Ok
WB29	-----	1.55	0.2	13	0.81	0.5	5.912	0.19	0.36	%52	Ok
WB30	-----	0.2	0.2	13	0.81	0.5	1.521	0.38	0.36	%104	X
WB31	-----	0.48	0.2	13	0.81	0.5	1.983	0.21	0.36	%57	Ok
WB32	-----	1.2	0.2	13	0.81	0.5	4.304	0.18	0.36	%49	Ok
WB33	-----	2	0.2	13	0.81	0.5	8.122	0.2	0.36	%56	Ok
WB34	-----	1.1	0.2	13	0.81	0.5	4.163	0.19	0.36	%52	Ok

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT DUVAR KAYMA GERİLMESİ KONTROLÜ**

Duvar Adı	Duvar Malz.	Duvar Boyu (m)	Duvar Kalınlığı (m)	Duvar Düşey Yükü (t)	Duvar Düşey Gerilmesi	Çatlama Emniyet Gerilmesi (Mpa)	Duvara etkileyen Kesme Kuvveti (t)	Duvar Kayma Gerilmesi Mpa	Kayma Emniyet Gerilmesi (Mpa)	Kayma Kapasite Kullanım Oranı	Durum
W101	-----	1.88	0.2	1.07	0.03	0.12	1.34	0.04	0.13	%28	Ok
W102	-----	0.1	0.2	0	0	0.12	0.08	0.04	0.11	%35	Ok
W103	-----	0.9	0.2	0.631	0.04	0.13	1.27	0.07	0.13	%53	Ok
W104	-----	3.68	0.2	3.23	0.04	0.12	2.48	0.03	0.13	%25	Ok
W105	-----	3.62	0.2	2.646	0.04	0.12	2.44	0.03	0.13	%26	Ok
W106	-----	2.52	0.2	2.205	0.04	0.12	1.58	0.03	0.13	%24	Ok
W107	-----	3.68	0.2	3.228	0.04	0.12	2.4	0.03	0.13	%25	Ok
W108	-----	3.62	0.2	3.137	0.04	0.12	2.36	0.03	0.13	%25	Ok
W109	-----	2.42	0.2	2.728	0.06	0.12	2.24	0.05	0.14	%34	Ok
W110	-----	0.35	0.2	0.314	0.04	0.12	0.32	0.05	0.13	%35	Ok
W111	-----	1.23	0.2	2.261	0.09	0.12	1.4	0.06	0.15	%37	Ok
W112	-----	1.1	0.2	2.055	0.09	0.12	1.5	0.07	0.15	%44	Ok
W113	-----	1.1	0.2	0.967	0.04	0.12	1.63	0.07	0.13	%56	Ok
W114	-----	1.23	0.2	1.025	0.04	0.12	1.81	0.07	0.13	%56	Ok
W115	-----	0.48	0.2	0.17	0.02	0.12	1.09	0.11	0.12	%99	Ok
W116	-----	1.75	0.2	1.321	0.04	0.12	3.34	0.1	0.13	%74	Ok
W117	-----	4.61	0.2	2.51	0.03	0.12	4.96	0.05	0.12	%43	Ok
W118	-----	2.07	0.2	1.936	0.05	0.12	1.86	0.04	0.13	%34	Ok
W119	-----	1.85	0.2	1.873	0.05	0.12	1.66	0.04	0.14	%33	Ok
W120	-----	1.02	0.2	0.991	0.05	0.12	1.1	0.05	0.13	%40	Ok
W121	-----	1.25	0.2	1.939	0.08	0.12	1.16	0.05	0.15	%32	Ok
W122	-----	0.95	0.2	1.652	0.09	0.12	0.88	0.05	0.15	%31	Ok
W123	-----	0.2	0.2	0.078	0.02	0.12	0.13	0.03	0.12	%26	Ok
W124	-----	2.55	0.2	1.912	0.04	0.12	1.6	0.03	0.13	%24	Ok
W125	-----	1.27	0.2	0.799	0.03	0.13	1.8	0.07	0.13	%54	Ok
W126	-----	2.45	0.2	2.3	0.05	0.12	1.45	0.03	0.13	%22	Ok
W127	-----	2.55	0.2	2.492	0.05	0.12	1.51	0.03	0.13	%22	Ok
W128	-----	0.2	0.2	0.078	0.02	0.12	0.12	0.03	0.12	%24	Ok
W129	-----	1.55	0.2	1.436	0.05	0.12	0.99	0.03	0.13	%24	Ok
W130	-----	0.2	0.2	0.487	0.12	0.12	0.13	0.03	0.17	%19	Ok
W131	-----	0.48	0.2	0.559	0.06	0.12	0.3	0.03	0.14	%23	Ok
W132	-----	1.2	0.2	0.985	0.04	0.12	1.22	0.05	0.13	%39	Ok
W133	-----	2	0.2	1.903	0.05	0.12	1.7	0.04	0.13	%32	Ok
W134	-----	1.1	0.2	0.543	0.02	0.12	2.1	0.1	0.12	%77	Ok
W135	-----	3.78	0.2	1.144	0.02	0.12	3	0.04	0.12	%33	Ok

**ZEMİN KAT DUVAR KAYMA GERİLMESİ KONTROLÜ**

Duvar Adı	Duvar Malz.	Duvar Boyu (m)	Duvar Kalınlığı (m)	Duvar Düşey Yükü (t)	Duvar Düşey Gerilmesi	Çatlama Emniyet Gerilmesi (Mpa)	Duvara etkileyen Kesme Kuvveti (t)	Duvar Kayma Gerilmesi Mpa	Kayma Emniyet Gerilmesi (Mpa)	Kayma Kapasite Kullanım Oranı	Durum
WB01	-----	1.88	0.2	3.512	0.09	0.12	2.08	0.06	0.15	%36	Ok

**ZEMİN KAT DUVAR KAYMA GERİLMESİ KONTROLÜ**

Duvar Adı	Duvar Malz.	Duvar Boyu (m)	Duvar Kalınlığı (m)	Duvar Düşey Yükü (t)	Duvar Düşey Gerilmesi	Çatlama Emniyet Gerilmesi (Mpa)	Duvara etkileyen Kesme Kuvveti (t)	Duvar Kayma Gerilmesi Mpa	Kayma Emniyet Gerilmesi (Mpa)	Kayma Kapasite Kullanım Oranı	Durum
WZ02	-----	3.78	0.2	5.567	0.07	0.12	4.67	0.06	0.15	%42	Ok
WZ03	-----	0.9	0.2	2.132	0.12	0.13	1.98	0.11	0.17	%65	Ok
WB04	-----	3.68	0.2	9.233	0.13	0.12	3.86	0.05	0.17	%31	Ok
WB05	-----	3.62	0.2	8.026	0.11	0.12	3.8	0.05	0.16	%32	Ok
WZ06	-----	2.52	0.2	7.071	0.14	0.12	2.39	0.05	0.18	%27	Ok
WB07	-----	3.68	0.2	9.229	0.13	0.12	3.69	0.05	0.17	%30	Ok
WB08	-----	3.62	0.2	9.008	0.12	0.12	3.64	0.05	0.17	%30	Ok
WB09	-----	2.42	0.2	7.357	0.15	0.12	3.45	0.07	0.18	%39	Ok
WB10	-----	0.35	0.2	0.908	0.13	0.12	0.5	0.07	0.17	%42	Ok
WB11	-----	1.23	0.2	5.663	0.23	0.12	2.15	0.09	0.22	%41	Ok
WB12	-----	1.1	0.2	5.07	0.23	0.12	2.32	0.11	0.22	%49	Ok
WB13	-----	1.1	0.2	2.894	0.13	0.12	2.51	0.11	0.17	%67	Ok
WB14	-----	1.23	0.2	3.11	0.13	0.12	2.8	0.11	0.17	%67	Ok
WZ15	-----	0.48	0.2	0.956	0.1	0.12	1.63	0.17	0.15	%112	X
WZ16	-----	1.75	0.2	4.687	0.13	0.12	4.99	0.14	0.17	%83	Ok
WB17	-----	4.61	0.2	8.778	0.1	0.12	7.39	0.08	0.16	%52	Ok
WB18	-----	2.07	0.2	5.85	0.14	0.12	2.77	0.07	0.18	%38	Ok
WB19	-----	1.85	0.2	5.524	0.15	0.12	2.47	0.07	0.18	%37	Ok
WB20	-----	1.02	0.2	2.94	0.14	0.12	1.64	0.08	0.18	%45	Ok
WB21	-----	1.25	0.2	4.959	0.2	0.12	1.75	0.07	0.2	%35	Ok
WB22	-----	0.95	0.2	4.144	0.22	0.12	1.33	0.07	0.21	%33	Ok
WB23	-----	0.2	0.2	0.236	0.06	0.12	0.19	0.05	0.14	%34	Ok
WB24	-----	2.55	0.2	5.779	0.11	0.12	2.41	0.05	0.16	%29	Ok
WZ25	-----	1.27	0.2	4.051	0.16	0.13	2.8	0.11	0.19	%58	Ok
WB26	-----	2.45	0.2	6.52	0.13	0.12	2.2	0.04	0.17	%26	Ok
WB27	-----	2.55	0.2	7.064	0.14	0.12	2.29	0.04	0.17	%26	Ok
WB28	-----	0.2	0.2	0.236	0.06	0.12	0.18	0.04	0.14	%32	Ok
WB29	-----	1.55	0.2	4.065	0.13	0.12	1.49	0.05	0.17	%28	Ok
WB30	-----	0.2	0.2	1.168	0.29	0.12	0.19	0.05	0.24	%20	Ok
WB31	-----	0.48	0.2	1.453	0.15	0.12	0.46	0.05	0.18	%27	Ok
WB32	-----	1.2	0.2	3.01	0.13	0.12	1.83	0.08	0.17	%45	Ok
WB33	-----	2	0.2	5.728	0.14	0.12	2.54	0.06	0.18	%36	Ok
WB34	-----	1.1	0.2	2.655	0.12	0.12	3.14	0.14	0.17	%86	Ok

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT DÜŞEY HATIL GERİLME KONTROLÜ**

Düşey Hatıl Adı	B/H (cm)	Vdmajor (t)	Vdminor (t)	Vmax-major (t)	VMax-minor (t)	Etriye	Vrmajor (t)	Vrminor (t)	Nd/Ncr	Durum
DH101	20/35	1.16	0.61	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH102	20/35	0.71	0.97	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH103	20/35	0.71	0.9	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH104	20/35	0.71	0.82	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH105	20/35	0.71	0.85	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH106	20/35	0.71	0.93	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH107	20/35	0.97	0.61	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH108	20/35	1.35	0.61	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH109	20/35	0.82	0.92	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH110	20/35	0.85	0.92	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH111	20/35	0.9	0.57	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH112	20/35	0.82	0.86	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH113	20/35	0.85	0.86	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH114	40/40	2.22	1.52	34.26	34.26	Φ8/20	13.53	13.53	%1.09	Ok
DH115	20/35	0.67	0.9	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH116	20/35	0.67	0.82	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH117	20/35	0.67	0.85	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH118	20/35	0.67	0.93	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok
DH119	20/35	0.93	0.57	14.78	13.55	Φ8/20	8.73	5.73	%1.09	Ok

**ZEMİN KAT DÜŞEY HATIL GERİLME KONTROLÜ**

Düşey Hatıl Adı	B/H (cm)	Vdmajor (t)	Vdminor (t)	Vmax-major (t)	VMax-minor (t)	Etriye	Vrmajor (t)	Vrminor (t)	Nd/Ncr	Durum
DHZ01	20/35	1.44	0.87	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB02	20/35	1.05	1.5	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB03	20/35	1.05	1.38	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB04	20/35	1.05	1.27	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB05	20/35	1.05	1.33	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB06	20/35	1.05	1.44	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB07	20/35	1.5	0.92	14.78	13.55	Φ8/20	8.73	5.73	%7.24	Ok
DHB08	20/35	2.08	0.92	14.78	13.55	Φ8/20	8.73	5.73	%10.77	Ok
DHB09	20/35	1.27	1.38	14.78	13.55	Φ8/20	8.73	5.73	%8.96	Ok
DHB10	20/35	1.33	1.38	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB11	20/35	1.38	0.87	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB12	20/35	1.27	1.31	14.78	13.55	Φ8/20	8.73	5.73	%3.45	Ok
DHB13	20/35	1.33	1.31	14.78	13.55	Φ8/20	8.73	5.73	%3.47	Ok
DHB14	40/40	3.42	2.27	34.26	34.26	Φ8/20	13.53	13.53	%5.7	Ok
DHB15	20/35	1	1.38	14.78	13.55	Φ8/20	8.73	5.73	%5.16	Ok
DHB16	20/35	1	1.27	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok
DHB17	20/35	1	1.33	14.78	13.55	Φ8/20	8.73	5.73	%2.19	Ok

StatiCAD-Yigma

Projeyi Yapan: Demo

Proje Adı: Yığma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**ZEMİN KAT DÜŞEY HATIL GERİLME KONTROLÜ**

Düşey Hatıl Adı	B/H (cm)	Vdmajor (t)	Vdminor (t)	Vmax-major (t)	VMax-minor (t)	Ettriye	Vrmajor (t)	Vrminor (t)	Nd/Ncr	Durum
DHB18	20/35	1	1.44	14.78	13.55	Ø8/20	8.73	5.73	%2.19	Ok

**GÜÇLENDİRİLMİŞ BİNA DEPREM PERFORMANS RAPORU**

Spektrum Katsayısı	1,0	50 yılda gelme olasılığı %10 olan deprem için hesap
Bilgi Düzeyi	Orta	
Bilgi Düzeyi Katsayısı	0.9	
Ao	0.2	Etkin Yer İvmesi Katsayısı
Deprem Bölgesi	3. Derece	
Bina Deprem Performans Düzeyi	CAN GÜVENLİĞİ (Yetersiz Duvarların Güçlendirilmesi Koşulu İle)	

**Kesme Dayanımı Sağlamayan Duvarların Kesme Kuvveti Kapasiteleri Toplamının Kat Kesme Kuvvetine Oranı**

ZEMİN KAT'ta X YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r=0$   $Q_i=65.54$

ZEMİN KAT'ta X YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r/Q_i= \%0$

ZEMİN KAT'ta Y YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r=0$   $Q_i=65.54$

ZEMİN KAT'ta Y YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r/Q_i= \%0$

1.KAT'ta X YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r=0.69$   $Q_i=43.76$

1.KAT'ta X YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r/Q_i= \%1.57$

1.KAT'ta Y YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r=0$   $Q_i=43.76$

1.KAT'ta Y YÖNÜNDE kesme dayanımı sağlamayan duvarlar toplam  $V_r/Q_i= \%0$

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

## 1.KAT GÜÇLENDİRME MANTOLARI KESME KUVVETİ HESABI

Manto Adı	Manto Doğrultusu	Vx (t)	Vy (t)	Vbx1 (t)	Vby1 (t)	Vtx1 (t)	Vty1 (t)			
C101	Y-Y	0	2.252	0	0.388	0	2.64			
C102	Y-Y	0	1.167	0	0.201	0	1.368			
C103	Y-Y	0	2.273	0	0.392	0	2.664			
C104		1.525	0	0.247	0	1.772	0			
C105	X-X	1.944	0	0.315	0	2.259	0			
TOPLAM	---	3.469	5.693	0.562	0.981	4.03	6.673			

## ZEMİN KAT GÜÇLENDİRME MANTOLARI KESME KUVVETİ HESABI

Manto Adı	Manto Doğrultusu	Vx (t)	Vy (t)	Vbx1 (t)	Vby1 (t)	Vtx1 (t)	Vty1 (t)			
CZ01	Y-Y	0	3.418	0	0.525	0	3.943			
CZ02	Y-Y	0	1.771	0	0.272	0	2.043			
CB03	Y-Y	0	3.449	0	0.529	0	3.979			
CZ04		2.359	0	0.399	0	2.758	0			
CZ05	X-X	2.506	0	0.424	0	2.93	0			
TOPLAM	---	4.865	8.639	0.823	1.326	5.688	9.965			

## StatiCAD-Yigma

Proje Yapan: Demo

Proje Adı: Yigma Yapı Projesi

Program Lisans No: 548EB6D329343321B028569CF859914F

**1.KAT GÜÇLENDİRİLMİŞ DURUM GERİLME KONTROLLERİ**

Duvar Adı	1. Duvar Mantosu Adı	2. Duvar Mantosu Adı	VDmanto1 (t)	Manto1 Donatısı	VDmanto2 (t)	Manto2 Donatısı	VDduvar (t)	VDkompozit(t)	VRkompozit (t)	VMAXkompozit (t)	KKKO Durum
W101			0		0		1.337	1.34	4.7	4.7	%28 Ok
W102	C105		2.26	Q106	0		0.079	2.34	0.69	18.93	%341X
W103	C104		1.77	Q106	0		1.272	3.04	6.54	17.06	%47 Ok
W104			0		0		2.478	2.48	9.72	9.72	%25 Ok
W105			0		0		2.444	2.44	9.35	9.35	%26 Ok
W106			0		0		1.583	1.58	6.67	6.67	%24 Ok
W107			0		0		2.397	2.4	9.72	9.72	%25 Ok
W108			0		0		2.364	2.36	9.57	9.57	%25 Ok
W109			0		0		2.239	2.24	6.68	6.68	%34 Ok
W110			0		0		0.323	0.32	0.93	0.93	%35 Ok
W111			0		0		1.397	1.4	3.77	3.77	%37 Ok
W112			0		0		1.505	1.5	3.4	3.4	%44 Ok
W113			0		0		1.628	1.63	2.91	2.91	%56 Ok
W114			0		0		1.813	1.81	3.22	3.22	%56 Ok
W115	C102		1.37	Q106	0		1.089	2.46	3.29	8.07	%75 Ok
W116			0		0		3.343	3.34	4.53	4.53	%74 Ok
W117			0		0		4.962	4.96	11.49	11.49	%43 Ok
W118			0		0		1.859	1.86	5.53	5.53	%34 Ok
W119			0		0		1.661	1.66	5.01	5.01	%33 Ok
W120			0		0		1.105	1.1	2.75	2.75	%40 Ok
W121			0		0		1.161	1.16	3.69	3.69	%32 Ok
W122			0		0		0.882	0.88	2.88	2.88	%31 Ok
W123			0		0		0.125	0.13	0.49	0.49	%26 Ok
W124			0		0		1.599	1.6	6.6	6.6	%24 Ok
W125	C105		2.26	Q106	0		1.802	4.06	9.22	22.04	%44 Ok
W126			0		0		1.447	1.45	6.55	6.55	%22 Ok
W127			0		0		1.506	1.51	6.86	6.86	%22 Ok
W128			0		0		0.118	0.12	0.49	0.49	%24 Ok
W129			0		0		0.991	0.99	4.13	4.13	%24 Ok
W130			0		0		0.128	0.13	0.67	0.67	%19 Ok
W131			0		0		0.304	0.3	1.32	1.32	%23 Ok
W132			0		0		1.223	1.22	3.14	3.14	%39 Ok
W133			0		0		1.698	1.7	5.36	5.36	%32 Ok
W134	C101		2.64	Q106	0		2.101	4.74	7.79	18.85	%61 Ok
W135			0		0		3.001	3	9.01	9.01	%33 Ok

**ZEMİN KAT GÜÇLENDİRİLMİŞ DURUM GERİLME KONTROLLERİ**

Duvar Adı	1. Duvar Mantosu Adı	2. Duvar Mantosu Adı	VDmanto1 (t)	Manto1 Donatısı	VDmanto2 (t)	Manto2 Donatısı	VDduvar (t)	VDkompozit(t)	VRkompozit (t)	VMAXkompozit (t)	KKKO Durum
WB01			0		0		2.082	2.08	5.8	5.8	%36 Ok



**ZEMİN KAT GÜÇLENDİRİLMİŞ DURUM GERİLME KONTROLLERİ**

Duvar Adı	1. Duvar Mantosu Adı	2. Duvar Mantosu Adı	VDmanto1 (t)	Manto1 Donatısı	VDmanto2 (t)	Manto2 Donatısı	VDduvar (t)	VDkompozit(t)	VRkompozit (t)	VMAXkompozit (t)	KKKO Durum
WZ02			0		0		4.671	4.67	11	11	%42 Ok
WZ03	CZ04		2.76	Q106	0		1.98	4.74	7.21	17.73	%66 Ok
WB04			0		0		3.855	3.86	12.42	12.42	%31 Ok
WB05			0		0		3.803	3.8	11.77	11.77	%32 Ok
WZ06			0		0		2.389	2.39	8.86	8.86	%27 Ok
WB07			0		0		3.69	3.69	12.42	12.42	%30 Ok
WB08			0		0		3.64	3.64	12.21	12.21	%30 Ok
WB09			0		0		3.453	3.45	8.77	8.77	%39 Ok
WB10			0		0		0.498	0.5	1.2	1.2	%42 Ok
WB11			0		0		2.153	2.15	5.3	5.3	%41 Ok
WB12			0		0		2.32	2.32	4.76	4.76	%49 Ok
WB13			0		0		2.513	2.51	3.78	3.78	%67 Ok
WB14			0		0		2.798	2.8	4.16	4.16	%67 Ok
WZ15	CZ02		2.04	Q131	0		1.627	3.67	4.16	8.42	%88 Ok
WZ16			0		0		4.994	4.99	6.05	6.05	%83 Ok
WB17			0		0		7.387	7.39	14.31	14.31	%52 Ok
WB18			0		0		2.767	2.77	7.29	7.29	%38 Ok
WB19			0		0		2.473	2.47	6.65	6.65	%37 Ok
WB20			0		0		1.644	1.64	3.63	3.63	%45 Ok
WB21			0		0		1.752	1.75	5.04	5.04	%35 Ok
WB22			0		0		1.332	1.33	4	4	%33 Ok
WB23			0		0		0.189	0.19	0.56	0.56	%34 Ok
WB24			0		0		2.413	2.41	8.34	8.34	%29 Ok
WZ25	CZ05		2.93	Q106	0		2.804	5.73	10.68	23.51	%54 Ok
WB26			0		0		2.198	2.2	8.45	8.45	%26 Ok
WB27			0		0		2.288	2.29	8.92	8.92	%26 Ok
WB28			0		0		0.179	0.18	0.56	0.56	%32 Ok
WB29			0		0		1.49	1.49	5.32	5.32	%28 Ok
WB30			0		0		0.192	0.19	0.98	0.98	%20 Ok
WB31			0		0		0.457	0.46	1.72	1.72	%27 Ok
WB32			0		0		1.826	1.83	4.05	4.05	%45 Ok
WB33			0		0		2.537	2.54	7.08	7.08	%36 Ok
WB34	CZ01		3.94	Q106	0		3.139	7.08	8.74	19.8	%81 Ok