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ÇOK KATLI YÜKSEK YAPILARDA BETONARME
ÇELİK ve KOMPOZİT TAŞIYICI SİSTEMLİ YAPILARIN
EKONOMİK YÖNDEN KARŞILAŞTIRILMASI

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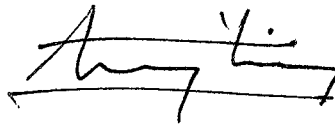
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SİMGE LİSTESİ

A_s	Basınç donatısı kesit alanı
A_c	Gövde kesiti beton alanı Kirişlerde gövde kesiti beton alanı Kolonlarda tüm kesit beton alanı
A_0	Etriye çubuğu kesit alanı
A_s	Çekme donatısı kesit alanı Eğilme donatısı alanı
A_{sw}	Kesme donatısı toplam kesit alanı
c	En dış donatı apırlık merkezinden ölçülen net beton örtüsü tarafsız eksen derinliği
c_c	Net beton örtüsü
e_x	X doğrultusundaki dış merkezlik
e_y	Y doğrultusundaki dış merkezlik
E_c	Beton elastisite modülü
E_s	Donatı elastisite modülü
EI	Eğilme rijitliği
f_{cd}	Beton tasarım basınç dayanımı
f_{ck}	Beton karakteristik basınç dayanımı
f_{cm}	Beton ortalama basınç dayanımı
f_{ctd}	Beton tasarım eksenel çekme dayanımı
f_{ctk}	Beton karakteristik eksenel çekme dayanımı
f_{yd}	Boyuna donatı tasarım akma dayanımı
f_{yk}	Boyuna donatı karakteristik akma dayanımı
f_{ywd}	Enine donatı tasarım akma dayanımı
F	Kuvvet
G	Kayma modülü
h	Döşeme kalınlığı Eleman yüksekliği Kiriş toplam yüksekliği
I	Eylemsizlik momenti
M_d	Tasarım eğilme momenti
M_{max}	Elemandaki en büyük eğilme momenti
N_d	Tasarım eksenel kuvveti
p	Döşeme yayılı yükü
q	Hareketli yük etkisi
s	Etriye aralığı
V	Kesme kuvveti
V_{cr}	Kesitin kesmede çatlama dayanımı
V_d	Tasarım kesme kuvveti
W	Rüzgar etkisi
ϕ	Boyuna donatı çapı
ρ	Kirişte çekme donatısı oranı
ρ_t	Kolonlarda toplam boyuna donatı oranı
ρ_{max}	Kirişte maksimum donatı oranı
ρ_{min}	Minimum donatı oranı
σ_s	Donatı gerilmesi
$A(T)$	Spektral İvme Katsayısı
A_o	Etkin Yer İvmesi Katsayısı
A_t	Birinci doğal titreşim periyodunun hesabında kullanılan eşdeğer alan [m^2]
A_{wj}	Binanın temel üstündeki ilk katında j'inci perdenin brüt enkesit alanı [m^2]

B_a	Taşıyıcı sistem elemanının a asal eksenine doğrultusunda tasarıma esas iç kuvvet büyüklüğü
B_{ax}	Taşıyıcı sistem elemanının a asal eksenine doğrultusunda, x doğrultusundaki depremden oluşan iç kuvvet büyüklüğü
B_{ay}	Taşıyıcı sistem elemanının a asal eksenine doğrultusunda, x'e dik y doğrultusundaki depremden oluşan iç kuvvet büyüklüğü
B_B	Mod Birleştirme Yönteminde mod katkılarının birleştirilmesi ile bulunan herhangi bir büyüklük
B_D	B_B büyüklüğüne ait büyütülmüş değer
C_t	Eşdeğer Deprem Yüğü Yönteminde birinci doğal titreşim periyodunun yaklaşık olarak belirlenmesinde kullanılan katsayı
D_i	Eşdeğer Deprem Yüğü Yönteminde burulma düzensizliği olan binalar için i'inci katta \pm %5 ek dışmerkezliğe uygulanan büyütme katsayısı
d_{fi}	Binanın i'inci katında F_{fi} fiktif yüklerine göre hesaplanan yerdeğiştirme
d_i	Binanın i'inci katında deprem yüklerine göre hesaplanan yerdeğiştirme
F_{fi}	Birinci doğal titreşim periyodunun hesabında i'inci kata etkiyen fiktif yük
F_i	Eşdeğer Deprem Yüğü Yönteminde i'inci kata etkiyen eşdeğer deprem yüğü
f_e	Mekanik ve elektrik donanımın kütle merkezine etkiyen eşdeğer deprem yüğü
g	Yerçekimi ivmesi (9.81 m/s^2)
g_i	Binanın i'inci katındaki toplam sabit yük
H_i	Binanın i'inci katının temel üstünden itibaren ölçülen yüksekliği (Bodrum Katlarında rijit çevre perdelerinin bulunduğu binalarda i'inci katın zemin kat döşemesi üstünden itibaren ölçülen yüksekliği) [m]
H_N	Binanın temel üstünden itibaren ölçülen toplam yüksekliği (Bodrum katlarında rijit çevre perdelerinin bulunduğu binalarda zemin kat döşemesi üstünden itibaren ölçülen toplam yükseklik) [m]
h_i	Binanın i'inci katının kat yüksekliği
I	Bina Önem Katsayısı
ℓ_{wj}	Binanın temel üstündeki ilk katında j'inci perdenin, gözönüne alınan deprem doğrultusunda çalışan uzunluğu [m]
M_r	r'inci doğal titreşim moduna ait modal kütle
M_{xr}	Gözönüne alınan x deprem doğrultusunda binanın r'inci doğal titreşim modundaki etkin kütle
M_{yr}	Gözönüne alınan y deprem doğrultusunda binanın r'inci doğal titreşim modundaki etkin kütle
m_i	Binanın i'inci katının kütlesi ($m_i = w_i / g$)
$m\theta_i$	Kat döşemelerinin rijit diyafram olarak çalışması durumunda, binanın i'inci katının kaydırılmamış kütle merkezinden geçen düşey eksene göre kütle eylemsizlik momenti
N	Binanın temel üstünden itibaren toplam kat sayısı (Bodrum katlarında rijit çevre perdelerinin bulunduğu binalarda zemin kat döşemesi üstünden itibaren toplam kat sayısı)
n	Hareketli Yük Katılım Katsayısı
q_i	Binanın i'inci katındaki toplam hareketli yük
R	Taşıyıcı Sistem Davranış Katsayısı
$R_a(T)$	Deprem Yüğü Azaltma Katsayısı
$R_{NÇ}$	Tablo 6.5'te deprem yüklerinin tamamının süneklik düzeyi normal çerçeveler tarafından taşındığı durum için tanımlanan Taşıyıcı Sistem Davranış Katsayısı
\dot{R}_{YP}	Tablo 6.5'te deprem yüklerinin tamamının süneklik düzeyi yüksek perdeler tarafından taşındığı durum için tanımlanan Taşıyıcı Sistem Davranış Katsayısı
$S(T)$	Spektrum Katsayısı
$S_{pa}(T_r)$	r'inci doğal titreşim modu için ivme spektrumu ordinatı [m/s^2]

T	Bina doğal titreşim periyodu [s]
T_1	Binanın birinci doğal titreşim periyodu [s]
T_{1A}	Binanın amprik bağıntı ile hesaplanan birinci doğal titreşim periyodu [s]
T_A, T_B	Spektrum Karakteristik Periyotları [s]
T_r, T_s	Binanın r'inci ve s'inci doğal titreşim periyotları [s]
$V_i(*)$	Gözönüne alınan deprem doğrultusunda binanın I'inci katına etki eden kat kesme kuvveti
V_i	Eşdeğer Deprem Yüğü Yönteminde gözönüne alınan deprem doğrultusunda binaya etkiyen toplam eşdeğer deprem yükü (taban kesme kuvveti)
V_{tB}	Mod Birleştirme Yönteminde, gözönüne alınan deprem doğrultusunda modlara ait katkıların birleştirilmesi ile bulunan bina toplam deprem yükü (taban kesme kuvveti)
W	Binanın, hareketli yük katılım katsayısı kullanılarak bulunan toplam ağırlığı
w_e	Mekanik veya elektrik donanımın ağırlığı
w_i	Binanın i'inci katının, hareketli yük katılım katsayısı kullanılarak hesaplanan ağırlığı
Y	Mod Birleştirme Yönteminde hesaba katılan yeterli doğal titreşim modu sayısı
α	Deprem derzi boşluklarının hesabında kullanılan katsayı
$\alpha_M(*)$	Süneklik düzeyi yüksek perdelerin tabanında elde edilen eğilme momentleri toplamının, binanın tümü için tabanda meydana gelen toplam devrilme momentine oranı (Perde tabanındaki eğilme momentlerinin hesabında, perdeler düzlemi içinde saplanan kirişlerin uçlarında depremden meydana gelen kesme kuvvetlerinin katkısı da gözönüne alınabilir.)
β	Mod Birleştirme Yöntemi ile hesaplanan büyüklüklerin alt sınırlarının belirlenmesi için kullanılan katsayı
Δ_i	Binanın i'inci katındaki görelî kat ötelemesi
$(\Delta_i)_{max}$	Binanın i'inci katındaki maksimum görelî kat ötelemesi
$(\Delta_i)_{ort}$	Binanın i'inci katındaki ortalama görelî kat ötelemesi
ΔF_N	Binanın N'inci katına (tepesine) etkiyen ek eşdeğer deprem yükü
η_{bi}	i'inci katta tanımlanan Burulma Düzensizliği Katsayısı
η_{ci}	i'inci katta tanımlanan Dayanım Düzensizliği Katsayısı
η_{ki}	i'inci katta tanımlanan Rijitlik Düzensizliği Katsayısı
Φ_{xir}	Kat döşemelerinin rijit diyafram olarak çalıştığı binalarda, r'inci mod şeklinin i'inci katta x eksenî doğrultusundaki yatay bileşeni
Φ_{yir}	Kat döşemelerinin rijit diyafram olarak çalıştığı binalarda, r'inci mod şeklinin i'inci katta y eksenî doğrultusundaki yatay bileşeni
$\Phi_{\theta_{ir}}$	Kat döşemelerinin rijit diyafram olarak çalıştığı binalarda, r'inci mod şeklinin i'inci katta düşey eksen etrafındaki dönme bileşeni
θ_i	i'inci katta tanımlanan İkinci Mertebe Gösterge Değeri

KISALTMA LİSTESİ

TS 500	Betonarme Yapıların Tasarım ve Yapım Kuralları
TS 498	Yapı Elemanlarının Boyutlandırılmasında Alınacak Yüklerin Hesap Değerleri
ABYYHY 97	Afet Bölgelerinde Yapılacak Yapılar Hakkında Yönetmelik
TS 648	Çelik Yapıların Yapım ve Hesap Kuralları
TS 4561	Çelik Yapıların Plastik Teoriye Göre Hesap Kuralları
TS 3357	Çelik Yapılarda Kaynaklı Birleşimlerin Hesap ve Yapım Kuralları



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ÖNSÖZ

Bu tez çalışmasında çok katlı yüksek yapıların taşıyıcı sistemlerinin ekonomik yönden incelenmesi konusu incelenmiştir.Yapılan çalışmada öncelikle çok katlı yüksek yapıların tarihi gelişimi, avantajları ve taşıyıcı sistemlerinin maruz kaldığı yükleme durumları incelenmiştir.

Tez çalışmasının ileriki aşamalarında taşıyıcı sistemlerden betonarme, çelik ve kompozit taşıyıcı sistemlerin tasarım prensipleri açıklanmış ve literatürlerden faydalanılarak ekonomik boyutlandırılmalarının gereği taşıyıcı sistem tasarımları incelenmiştir.

Çalışmamızın sonraki aşamasında tez çalışmasına konu olan betonarme, çelik ve kompozit taşıyıcı sisteme sahip bir yapının statik ve dinamik analizi tezin ön aşamalarında anlatılan ekonomik sistem tasarımı prensiplerinden faydalanılarak bilgisayar destekli çözüm yoluna gidilmiş ve aynı özelliklere sahip yapının betonarme, çelik ve kompozit sisteme göre analizleri bilgisayar programlarından yararlanılarak yapılmış ve ekonomik olarak maliyetleri hesaplanmıştır.

Son bölümde taşıyıcı sistemleri betonarme, çelik ve kompozit sistemlere göre ekonomik biçimde tasarlanmış olan yapının önceki bölümlerde hesaplanan maliyetleri karşılaştırmalı olarak incelenmiş ve bundan çıkan mühendislik sonuçları yorumlanmış ve teze konu olan ekonomik değerlerden çıkarılan sonuç sunulmuştur.

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ÖZET

Günümüzde çok katlı yüksek yapılar sosyal yaşamın ve iş hayatının vazgeçilmez bir parçası olmuşlardır. Bu sebeple inşaat mühendisliği alanında çok katlı yüksek yapılar sıklıkla karşılaşılan projeler arasında yerini almaktadır.

Özellikle bu yapıların projelendirilmesi aşamasında yapıya etkiyen yükler, yapım kriterleri ve yapının kullanılabilirliği büyük önem kazanmaktadır. Bu nedenle taşıyıcı sistemin tespiti, taşıyıcı sistem elemanlarının dizaynı ve birleşim şekilleri tesbitinde maksimum ekonomi ve güvenilirlik sağlanmalı ve yapı bu kriterler gözönünde bulundurularak dizayn edilmelidir. Şüphesiz ki günümüz ekonomik şartlarında ve mühendislik etiği gereği tasarımın ekonomikliği yapının güvenilirliği ve kullanılabilirliği ile birlikte ön planda tutulmalı ve taşıyıcı sistem ekonomik, uygulanabilir ve fiyat performansı açısından seri imalata izin verecek standartlar gözönünde bulundurularak seçilmelidir. Taşıyıcı sistemin tasarımında inşaat süresinde gözönüne alınması gerekmekte ve taşıyıcı sistemin ekonomik değeriyle birlikte değerlendirilmelidir.

Çok katlı yüksek yapılarda taşıyıcı sistemlerin sınıflandırılması aşağıdaki şekilde özetlenebilir:

- **Malzeme:**
Betonarme, Çelik, Kompozit,
- **Yerçekimi kuvvetlerine dayanıklı sistemler:**
Döşeme iskeleti, Kolonlar, Kafesler, Temeller,
- **Yatay yüklere dayanıklı sistemler:**
Perde duvarlar, Çerçeveler, Kafesler, Diyaframlar,
- **Yatay yükün büyüklüğü ve tipi:**
Rüzgar, Deprem(Sismik),
- **Mukavemet ve servis gereksinimleri:**
Hız(akselerasyon), Ötelenme, Düktilite,

Çok katlı yüksek yapılarda kullanılan taşıyıcı sistemlerden bazıları aşağıda gösterilmiştir:

- Çerçeve sistemler
- Perde duvarlı sistemler
- Çerçeve ve perde duvarlı sistemler
- Çekirdekli sistemler
- Tübüler sistemler
- Kompozit sistemler

Yapının ekonomik biçimde tasarımı; yukarıda anlatılan kriterlerin yanında yapının yapılacağı zemin durumuna, yapının kat adedine, yapının yüksekliğinin taban alanına oranına, yapım kriterlerine, bölgesel yönetmeliklere, işgücü maliyetine, malzeme temini kriterlerine ve mekanik sistem kriterlerine bağlıdır. Taşıyıcı sistem bu kriterler gözönünde bulundurularak tasarlanmalıdır.

Yapılan bu tez çalışmasında yukarıda anlatılan kriterler gözönünde bulundurularak standart yüklere maruz büro olarak tasarlanmış bir yapı betonarme, çelik ve kompozit sistem olarak tasarlanmış ve statik dinamik analizleri yapılarak maliyetleri kıyaslanmıştır.

Anahtar Kelimeler : Yüksek yapılar, betonarme, çelik, kompozit, taşıyıcı sistem

ABSTRACT

In nowadays tall buildings take important place in our social and business lifes. So that reason in civil engineering tall buildings are the most encountered projects in this field.

Especially in the planning of the tall buildings, loads that effects the tall buildings, construction criterians and the usefulness of the buildings take importance. For that reason in the demonstration of tall buildings, design of system elements, and in the fixing condtions the system must be in the maximum economic condition and reliability.

But certainly for the economic conditions of these days and the rules of engineering the economy of the design must be seizing with the realitibility and usefulness of the building and the construction of the system must be selected to be applied and give chance for serial production. Also construction time must be easily available in the design of construction system.

Classification for tall buildings construction system can be summarized like defined below;

- **Material**
Reinforced concrete, steel, composite material
- **Systems that resists to gravity forces**
Floors, columns, cages, foundations
- **Systems that resists horizontal forces**
Shear walls, frames, cages, diaphrams
- **The type and magnitude of the horizontal forces**
Wind, Earthquake(sismic)
- **Resistence and service needs**
Speed(acceleration), translation, ductility

Some of the construction systems that are used in tall buildings summarized below;

- Frame systems
- Shear wall systems
- Frame and shear wall systems
- Tubular systems
- Nucleus systems
- Composite systems

For the economically design of the construction system ground formation, floor number, height /foundation area of the building, construction criteria, regional rules, worker cost, and providing of materials are also important .So the construction system must be designed for these criterias. In this thesis a building designed for use as a office building and static and dynamic analysis made for three construction systems that are reinforced concrete, steel, and composite systems and results of the cost of the buildings is compared.

Keywords :Tall buildings, concrete, steel, composite, construction system

1. ÇOK KATLI YAPILARIN GELİŞİMİ ve TARİHÇESİ

İnsanlığın başlangıcından itibaren insanlar tabiat şartlarına karşı ve yaşamının gereği olarak barınma ve korunma ihtiyacı duymuş ve bunun gereği olarak günümüze dek çeşitli yapılar aracılığı ile bu ihtiyaçlarını giderme yoluna gitmişlerdir. Endüstri devriminin başlangıcına kadar barınma ve korunma ihtiyaçları genellikle az katlı yapılar ile karşılanmasına rağmen endüstri devriminin gelişmesi ve bundan dolayı çeliğin yüksek fırınlarda üretimi ve yeni yapı malzemelerinin gelişmesi ile az katlı olarak gelişmiş olan yapılar 18.yüzyıl başlangıcı itibari ile çok katlı olarak gelişme göstermeye başlamıştır. Genellikle 10 kattan başlayan çok katlı yüksek yapıların, günümüzde 100 katın üzerindeki örneklerine rastlamak mümkündür.

Çok katlı yüksek yapıların gelişme nedenleri çok olmakla birlikte bunlar arasında en önemlileri arasında; 1900'lü yıllardan sonra başlayan hızlı şehirleşme ve şehirlerin nüfus yoğunluğundaki hızlı artıştan dolayı şehirlerde ekonomik çözüm olarak çok katlı yüksek yapı uygulamasına gidilmesidir ve böylece şehirlerde alanların daha ekonomik kullanılması sağlanmıştır. Toplu konut düşüncesinin gelişmesi ile çok katlı yüksek yapı uygulamaları daha sık görülmeye başlanmıştır. Yapı malzemelerinin gelişimi ve yapım teknolojisindeki gelişmelerde çok katlı yüksek yapılardaki kat artışına olanak sağlamış ve kat adetleri bu gelişmeler nedeni ile kısa sürede hızlı bir artış sergilemiştir. Bunlarla birlikte şehirlerdeki nüfus yoğunluğu, yapım alanlarının azalması ve yüksek arsa fiyatlarına karşı yüksek yapılar doğal olarak en uygun çözüm olmuştur.

19.yüzyıl başlarında yapı malzemelerindeki gelişmeler ve inşaat malzemesi olarak dökme demir ve çeliğin seri üretiminin yapılması ile çelik çerçeve sistemli yapılarda büyük gelişme sağlanmıştır. Böylece yapı kat adetlerinde artış sağlanmış ve büyük açıklıkları geçme olanağı sağlanmıştır. Çelik çerçeveli yapıların ilk uygulamalarında çelik çerçeveler ile birlikte cephelerde yığma duvarlar kullanılmıştır. İleriki yıllarda yüksek yapılara ihtiyacın artması ve kısa sürede yapıların tamamlanması amacı ile taşıyıcı duvarların yapılması terkedilmiş ve yapı bütünü ile çelik çerçeveler ile yapılmaya başlanmıştır. Bu gelişmelerle birlikte düşey sirkülasyon elemanı asansör geliştirilmiştir ve ilk olarak 1851 yılında New York'ta bir otelde kullanılmıştır.

1851 yılında Londra'da inşaa edilen Crystal Palace binasında, çift korniyerli başlıklar, levhalardan kesilen şeritler ve perçinli birleşimlerle oluşturulan demir kafes kirişler kullanılmıştır.

1854 yılında New York şehrinde inşaa edilen Harper&Bros. Basımevinde 18 cm derinliğe

sahip dövme demirden yapılmış I profiller kullanılmıştır.

1865 yılında demir üreticilerinin test makinelerini kullanıma sunması ile malzemelerin çekme, basınç, ve eğilme mukavemetleri deneysel olarak ölçülmeye başlanmıştır ve çok katlı bina yapımında güvenilirlik sağlanmıştır.(Tuncay, 1999)

1883'te 11 katlı Home Insurance Binası'nda çerçeve sistemi geliştirilmiş ve bu yapı dünyanın ilk gökdeleni olarak kabul edilmiştir.Taş cephe duvarlarının kendini taşıdığı bu yapı çelik kirişlerin yapının iç kısmında kullanıldığı ilk örnektir.(Tall, 1964)

1889'da II.Leiter Binası 'da taşıyıcı duvarların kullanılmadığı ilk gerçek iskelet yapıdır.1895 de Chicago'da Reliance Binası'da çelik çerçeve sistemde cephede ilk olarak hafif yüzeyler ve cam kullanılmıştır.60 mt yükseklikte olan binada yatay rijitlik ince çelik bir çerçeve tarafından sağlanmaktadır.Çelik iskeletin rüzgar yükleri altında yatay stabilitesini arttırmak için, diyagonal bağlantıları cephe çerçevesinde kullanılmış ve böylece düşey kafes kiriş ve perde duvar kavramı ortaya çıkmıştır.

19.yy'ın sonlarında çelik yapı malzemesi, dökme demirden yapılmış kolon ve kirişlerin yerine geçmiştir.Çelik malzemenin tercih edilme nedeni, çelik çerçeve profillerinin dökme demirden yapılanlardan %15 daha ekonomik olmasından kaynaklanmıştır.

Çelik çerçevelerde, geniş kolon açıklıkları kullanılabilmekte ve bina çevresi yalıtımlı cephe giydirmeleriyle kaplanabilmektedir.(Blanc, 1993)

1920'lerin sonunda New York şehrinde'de çok katlı yapılar hızla artmıştır.Bu dönemde yapılan yapıların en önemli örneklerden birisi, 1913 yılında tamamlanan 237 metre yüksekliğindeki 58 katlı Woolworth binasıdır.Vierendeel çerçeveleri kullanılarak yapılan ve Şekil 1.1'de görülen bu binanın yüksekliğinin fazla olması dolayısı ile yanal yüklere karşı K-Tipi destekler, oynar destekler ve tek diyagonal destekler kullanılmıştır.Yapıda kullanılan elektrikli asansörler, 180 mt/dk hızla yükleme ve taşıma yapabilmektedir.

1930'lu yıllarda yapılan 30 katlı Gulf Oil Building binası ve 75 katlı Chrysler Building Binası, Vierendeel çerçevelerinin özellikleri kullanılarak inşaa edilmiştir.1931 yılında, 381 metre yüksekliğindeki 102 katlı Empire State binasının tamamlanmasıyla, bu tip çerçevelerin çalışma şekli ve ekonomik avantajları daha iyi anlaşılmıştır.Yüksek yapılardaki hızlı gelişme II.Dünya Savaşının başlamasıyla azalmıştır.



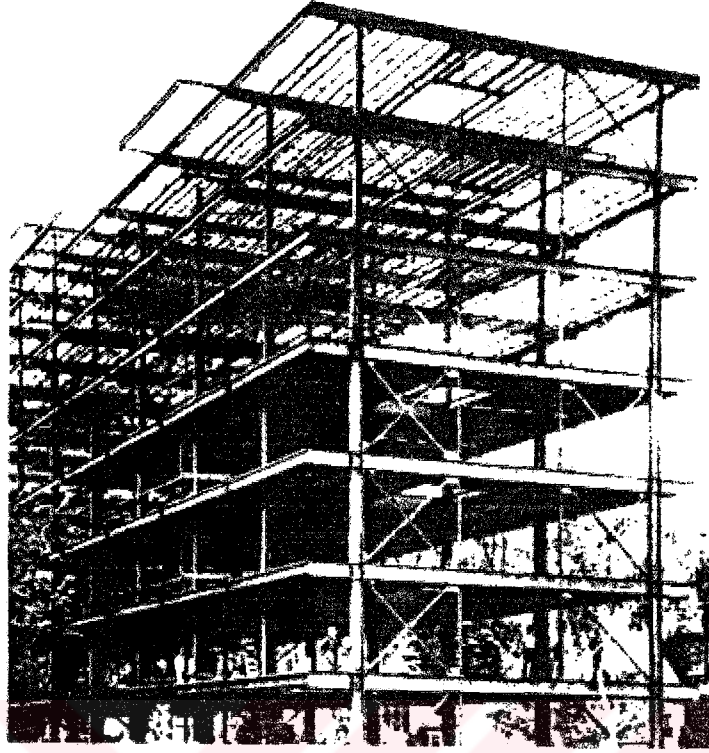
Şekil 1.1 : Woolworth Tower Binası New York 1913.(Tall, 1964)

1930 ve 1950 yılları arasında, çok katlı çelik yapılar gittikçe narinleştirilmiştir..Kolon ve kirişleri yangından korumak için beton örtü kullanılmış ve betonarme plakları ağır tuğla kemerlerin yerini almıştır.Yapıların dik akslarla oluşturulması, moment ve kesme kuvveti hesaplarını kolaylaştırmış ve çerçeve hareketi daha kolay açıklanabilmiştir.

Plastik dizayn yönteminin 1950'li yıllarda geliştirilmesi, yapı davranışının daha iyi yorumlanmasını sağlamıştır.Plastik dizaynın tekniğinin kaynaklı birleşimlere uygulanmasına örnek olarak Toronto'daki 8 katlı apartman binası verilebilir.(Şekil 1.2)

1950'li yıllarda çıkan yüksek mukavemetli bulonlar, şantiye koşullarında montajı yapılan bağlantılar için birinci derecede tercih edilen birleşim araçları haline gelmiştir.

1950 ve 1960 yılları arasında geniş açıklıklı çerçeveler,diyagonal destekler ve döşemeler için narin betonarme plaklar bu yıllarda yaygın biçimde kullanılmıştır.(Tuncay, 1999)



Şekil 1.2 : Plastik dizayn yöntemiyle inşaa edilmiş bir apartman Toronto.(Tall, 1964)

1960'lı yıllarda, yatay kafesli çerçeve-kafes etkileşimli sistemleri, çerçevesiz tüpler ve modüler tüplü sistemler gibi üç boyutlu sistemler geliştirilmiştir. Bu sistemler kullanılarak 110 kata kadar, yanal yüklere karşı dayanıklı ve ekonomik binalar uygulanmıştır.

1972 yılında New York'ta inşaa edilen World Trade Center ve iki yıl sonra Chicago'da gerçekleştirilen 442 metre yüksekliğindeki Sears Tower binası, tüp sistemli yapılara örnek olarak gösterilebilir.

Yüksek yapıların kat sayıları artması ile birlikte, yanal yüklere karşı yüksek dayanımlı yapı sistemleri oluşturma ihtiyacı artmıştır. Bunu için çeşitli rijitleştirme yöntemleri denenmiştir. Buna tipik örnek olarak Chicago'daki John Hancock Center binasında 100 katlı olan bu binanın yatay yük taşıma kapasitesini arttırmak için yapının cephelerine X diyagonelleri ve düşey kafes kirişler yapılarak diyagonelli tüp sistemi elde edilmiştir.

Ülkemizde çok katlı yapıların 1950'li yıllarda gündeme geldiği görülür. Bunun en önemli faktörlerinden birisi ülkemizin önemli bir deprem kuşağında yer almasından kaynaklanmıştır. Fakat zamanla artan ihtiyacı karşılamak ve arsa değerlerinin yükselmesi ve gelişen yapı teknolojisinin sonucu olarak ülkemizde yüksek yapıların yapımı hızlanmıştır.

Ülkemizde 1970’li yıllara kadar 25 katı geçmeyen binalar yapılmıştır. Bunların başlıca örnekleri arasında Ankara’daki 13 katlı Ulus İşhanı, 24 katlı Kızılay Emek İşhanı, 20 katlı Stad Oteli 23 katlı Ceylan-Intercontinental Oteli gösterilebilir. (Özgen, 2000)

1975 ile 1985 yılları arasında yükek yapıların kat adetlerinde artış gözlenmiş olup Ankarada’ki 29 katlı Türkiye İş Bankası, İstanbul’da 28 katlı Harbiye Orduevi gösterilebilir.

1985 sonrası yapılan binalarda yükseklik olarak büyük bir artış görülmektedir. 26 katlı Maya-Akar İş merkezi, 24 ve 39 katlı iki bloktan oluşan Sabancı İş Merkezi gösterilebilir.

Türkiye’nin en yüksek binası ise Mersin’deki 52 katlı olan Mersin Ticaret ve İş Merkezi’dir.



2. ÇOK KATLI YAPILARDA TAŞIYICI SİSTEM TASARIMI ve YAPIDA ETKİLİ OLAN YÜKLER

2.1 Taşıyıcı Sistem Tasarımı

Taşıyıcı sistem tasarımında amaç, işlevsel ve estetik istekleri karşılayabilecek güvenilirliğin ve ekonominin ön planda tutulduğu ideal sistemin tasarlanmasıdır. Bu şartları sağlamak bilimsel araştırma ve çözümleri gerektiren yeni yapı tekniklerini ve yapı türlerinin geliştirilmesini gerektirir. Böylece mühendislik ve ekonomi, daha gelişmiş yapıların ortaya çıkmasında etkili olmaktadır. Taşıyıcı sistem tasarımının temel ilkeleri aşağıda belirtilen adımlardan oluşmaktadır:

- Yapı tipinin ve konumunun seçimi,
- Yapıda oranların ve malzemenin seçimi,
- Yapıda yüklerin belirlenmesi,
- Yapının taşıyıcı elemanlardaki iç kuvvetlerin belirlenmesi,
- İşletme koşullarında yapı performansının kontrolü,
- Son gözden geçirme ve düzeltmeler, (Özgen, 2000)

2.2 Çok Katlı Yapılarda Taşıyıcı Sistem Tasarımı.

Çok katlı yapılar düşey yüklerin yanısıra rüzgar ve depremden dolayı meydana gelen yatay yükleri de taşımaktadır. Yapı yüksekliğinin artmasıyla yapıya tesir eden yüklerin değerleri de artmaktadır. Bu nedenle çok katlı yüksek yapılarda yatay yüklere karşı yeterli rijitlik sağlanmalıdır.

Çok katlı yapıların taşıyıcı sistemleri, yatay kullanım alanlarını içeren döşeme sistemleri ile bunları taşıyan ve yapıyı saran düşey taşıyıcı kolon veya duvar sistemlerinden oluşmaktadır.

Taşıyıcı sistem tasarımında, sistem elemanlarının boyut hesabında yatay yüklerin oranı, düşey yüklerin taşınması gerekli olandan öteye geçmemelidir. Bu nedenle yükseklikte artan deprem ve rüzgar kuvvetlerinin karşılanması, artan eleman boyutları ile değil, taşıyıcı sistemin etkinliğinin artırılması ile sağlanmalıdır. (Özgen, 2000)

Çok katlı yapıların planlanmasında aşağıdaki etmenlerin gözönünde bulundurulması gerekmektedir:

- Genel ekonomik etkenler,

- Zemin koşulları,
- Yapının geometrik formu ve yükseklik / genişlik değeri,
- Fabrikasyon ve yapım,
- Mekanik donanım sistemleri,
- Yangından korunma,
- Yerel koşullar,
- Yerel malzeme fiyatları ve olanaklar, (Schueller, 1977)

Planlama aşamasında ilk olarak ekonomik nedenler etken olmaktadır. Ekonomik etkenler sadece yapım maliyeti olarak değil, yapı tamamlandıktan sonraki işletme giderleriyle birlikte değerlendirilmelidir. Yapım ve işletme giderleri yapının yüksekliği ile doğru orantılı olarak artış göstermektedir. Yüksekliğin artması ile arsadan ve idare masraflarından kazanılanlar bunları karşılamalıdır. (Sev, 2000)

Yapının üzerine oturacağı zemin, tasarım için önemli olan bir diğer etkendir. Sistem yükleri toplayarak zemine aktarmaktadır. Bu nedenle yapının taşıyıcı sisteminin tipi, zeminin jeolojik yapısına büyük ölçüde uygun seçilmelidir. Çürük zeminlerde beton yerine hafif çelik sistemler tercih etmek uygun olabilir.

Taşıyıcı sistemin rijitliği yapının geometrik formuna, katların sayısına, sistemin türüne, elemanların ve bağlantıların rijitliğine ve yükseklik / genişlik oranına bağlıdır. Yüksek bir yapıda alt kattan başlayarak üst kata doğru ağırlık ve rijitlikle uyumlu bir azalma olmalıdır.

Taşıyıcı sistemin seçiminde yapım sistemi de önemli olmaktadır. Bazı durumlarda seçim aşamasında en önemli etken durumuna gelebilir. Bu etken işçiliği azaltır, yapım süresini kısaltır.

Yapım maliyetlerinin 1/3'ünü, mekanik ve sıhhi donanım sistemleri oluşturmaktadır. Bundan dolayı bu sistemlerin yapıdaki yeri önem kazanmaktadır. Bunları mümkün olduğunca bir çekirdekte toplanması genellikle kolay ve maliyeti düşük olan bir çözümdür.

Çok katlı yapılarda yangın sorunu ve çözümlenmesi önemli problemlerden birisidir. Özellikle çelik yapılarda taşıyıcı sistemin yangından korunması için gerekli tedbirlerin alınması gerekmektedir.

Bölgesel yönetmelik ve şartnameler yapım ve sistem seçiminde önemli etkenlerdendir. Kat adet sınırlamaları ve döşeme yükseklik şartları taşıyıcı sistem tasarımında önemli rol oynamaktadır.

Yapının gerçekleştirileceği yerin, yapı malzemesi kaynağına yakın bir mesafede bulunması durumunda normal şartlar altında pahalı olan sistemler daha ekonomik sınırlara ulaşabilir. Bu nedenle sistem tasarımı sırasında bu etkende gözönünde bulundurulmalıdır. (Sev, 2000)

2.3 Çok Katlı Yapı Tasarımında Etkili Olan Yükler.

Yapıya etkileyen yükler ya doğrudan doğa kuvvetleri ile ya da insan tarafından oluşturulur. Yüksek yapılara etkileyen yükler ise; yerçekimi, meteorolojik ve sismik kuvvetler tarafından meydana gelir. Yerçekimi dolayısı ile yapı üzerinde sabit ve hareketli yükler ile montaj yükleri gibi düşey yükler oluşmaktadır. Meteorolojik kuvvetler; zamana ve bölgelere bağlı olarak değişen rüzgar, ısı, yağmur, kar ve buz yüklemelidir. Sismik kuvvetler ise deprem ve toprak kayması gibi yer hareketleri sebebiyle meydana gelmektedir. (Yamantürk, 1993)

Yapının yükler karşısındaki davranışlarını etkileyen faktörler; yapının ağırlığı, boyutu, şekli ve yapıda kullanılan inşaat malzemeleridir. Güvenli ve konforlu yapı dizaynı için, tasarımcının kuvvetleri ve yük etkilerini çok iyi bilmesi gerekmektedir. Aşağıda yapıya etkileyen yükler açıklamaları ile birlikte izah edilmiştir.

2.3.1 Düşey Yükler

Düşey yükler; yapı elemanları, döşeme kaplamaları ve sabit dekoratif inşaat malzemeleri, eşyalar ve insanların ağırlıklarından oluşmaktadır. Ülkemizde TSE tarafından hazırlanan TS 498'de bu yüklerin bir çoğu tarif edilmiştir.

2.3.1.1 Sabit Yükler

Sabit yükler; yapının taşıyıcı elemanlarının, döşeme ve tavan kaplamalarının, sabit bölme duvarlarının, cephe kaplamalarının, tesisat sistemlerinden dolayı yapı ağırlıkları olup, statik ve dinamik yükler şeklinde sınıflandırılır. (Yamantürk, 1993)

Sabit yükler yapıyı oluşturan malzeme ve eşya ağırlıklarıdır. Dinamik yükler ise zamana, mevsimlere veya yapı içindeki mekanların fonksiyonuna bağlı olarak değişmekte olan geçici yüklemelerdir.

2.3.1.2 Hareketli Yükler

Hareketli yükler; yapı içinde bulunan insan ve eşyaların ağırlıklarından dolayı oluşan yüklerdir. Bu yükler taşıyıcı sistemin bir parçası olmayıp; insan, mobilya, hareketli bölmeler,

mekanik aletler, arabalar, endüstri makineleri gibi sabit ve geçici yüklemelerdir.Hareketli yükler; araba, asansör ve makine yükleri gibi dinamik karakterli, insanların ve eşyaların hareketleri gibi sabit hızlı veya patlama ve çarpma gibi darbe etkili olabilmektedir.(Tuncay, 1999)

2.3.1.3 Montaj Yükleri.

Taşıyıcı elemanlar, genellikle sabit ve hareketli yüklere göre tasarlanırsa da,yapının imalat ve montajı sırasında tasarım yüklerinin çok üstünde yük etkisinde kalabilmektedirler.

Yapının montajı esnasında kullanılan bağlantılar destekler yapıda ek yüklemeler oluşturmaktadır.Ayrıca yapının inşası sırasında yığılan ağır alet ve malzemeler de büyük tekil yükler meydana getirebilmektedir.

2.3.2 Isı Değişimi, Kar ve Yağmur Yükleri.

Isı değişimi, kar ve yağmur yükleri meteorolojik yükler olarak isimlendirilmektedir ve coğrafi bölgelere bağlı olarak şiddetleri ve yapılara etki biçimleri değişmektedir.

Kar yükleri, çatılarda ve teraslarda kar yığılması olabilecek yerlerde gözönüne alınmalıdır.Şartnamelerde belirtilen kar yükleri, zeminde oluşan maksimum kar yüksekliğine bağlı olarak saptanır ve genellikle gerçek değerlerden daha fazla alınmaktadır.Şartnamelerde çatı eğimine bağlı olarak, yük değerlerinde belirli oranlarda azaltmalar yapılmaktadır.

Yağmur yükleri, düz çatılarda oluklar tıkanıdığı zaman, suların birikmesiyle oluşmaktadır.Yağmur yükleri hesapta dikkate alınmasa da tasarımda gözönüne alınmalıdır.

Yapı cephelerinde ve yapının dış etkilere maruz kalan taşıyıcı elemanlarında, iç ve dış bölgelerdeki ısı farklılıkları dolayısıyla, yapıdaki genleşme ve büzülme dolaylı iç gerilmeler ve burkulmalar oluşmaktadır.Isı etkisiyle kolonlarda eğilmeler ve farklı hareketler oluşmakta bunun yanında döşemeler, duvarlar ve çatı bölgelerinde hasarlar gözlenebilmektedir.

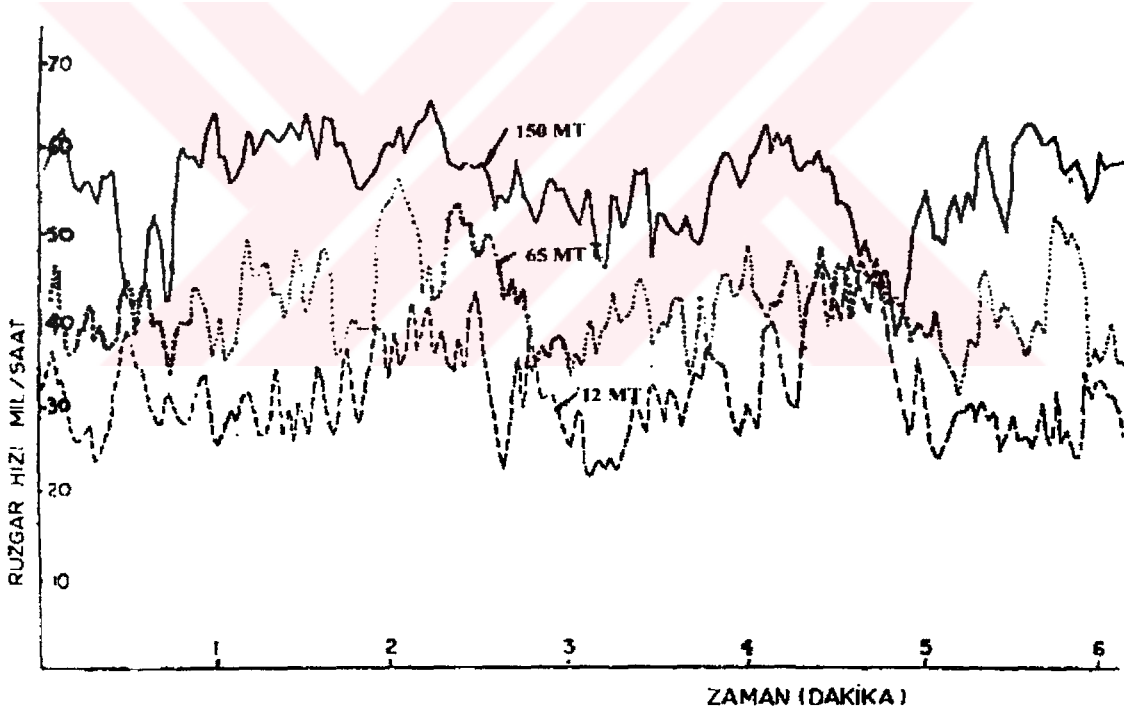
2.3.3 Rüzgar Yükleri.

Çok katlı yapıların ilk örneklerinde taşıyıcı duvarlar kullanıldığından ve bunların ağırlığının fazla olmasından dolayı rüzgar yükleri yapının taşıyıcı sistemini olumsuz yönde etkileyecek boyutlarda değildi.Fakat çerçeve sistemlerin tasarlanması ve yapı ağırlığındaki büyük azalmalar rüzgar etkisini özellikle çok katlı yüksek yapılarda önemli mertebelere

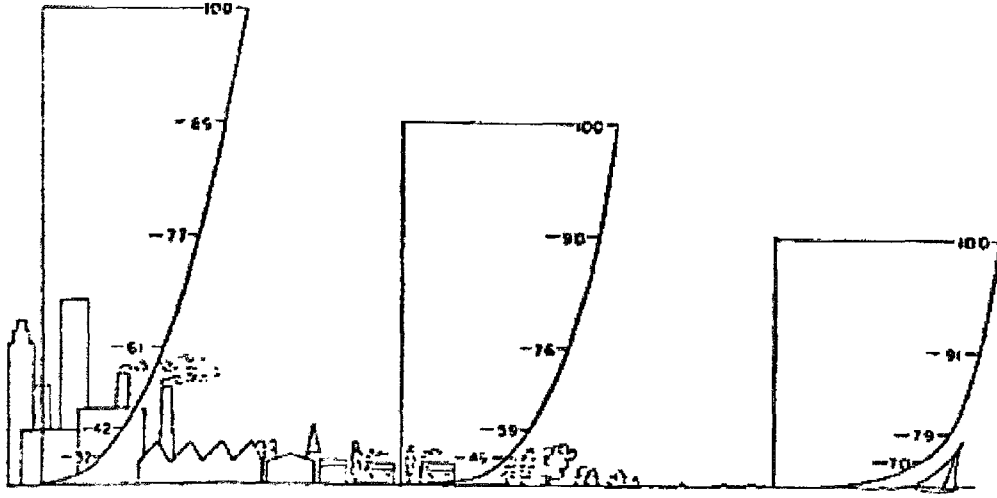
ulařtırmıřtır.Yapıdaki rüzgar etkisi dinamik etkili bir yük olup; yapı etrafındaki yeryüzü řekline pürüzlülüęüne, taşıyıcı sistemin řekline, komřu yapıların dizilme řekli gibi çevresel faktörler nedeni ile deęiřmektedir.Bunlar gibi nedenler dolayısı ile yapıyı etkileyen rüzgar hızını, doęrultusunu ve davranıřını deęiřtirmektedir.

2.3.3.1 Rüzgar Hızı.

Çok katlı yüksek yapıların rüzgar yüklerinin belirlenmesi ařamasında, yapı yükseklięine baęlı ortalama bir rüzgar hızı ve rüzgarın dinamik karakterini taşıyan deęiřken řiddetli fırtına hızları bileřenleri kullanılmaktadır.Bu durum 150 metre yükseklięindeki bir anten direęinin üç farklı seviyesinden alınan rüzgar hızı kayıtlarında, řekil 2.1'de gösterilmiřtir.Hafif rüzgar hızı, řekil 2.2 'de gösterildięi gibi yükseklięe baęlı olarak artmaktadır.Hızdaki artıřın oranı arazinin pürüzlülüęü'ne baęlı olarak deęiřir.



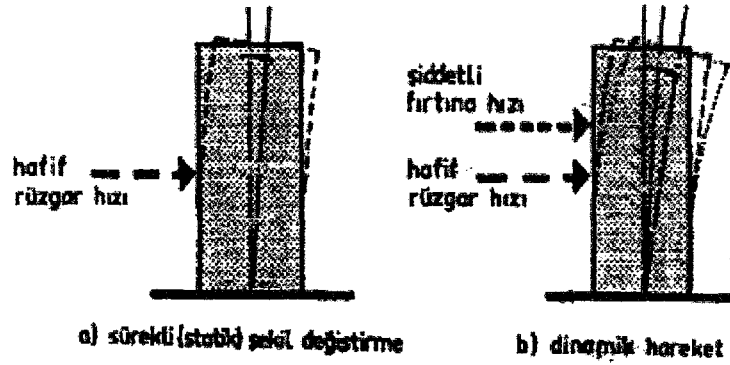
řekil 2.1 : Üç deęiřik yükseklik için rüzgar hızı kaydı.(Özgen, 1989)



Şekil 2.2 : Çeşitli pürüzlülükteki yüzeylerde ortalama rüzgar hızı profili.(Özgen, 1989)

2.3.3.2 Rüzgar Basıncı.

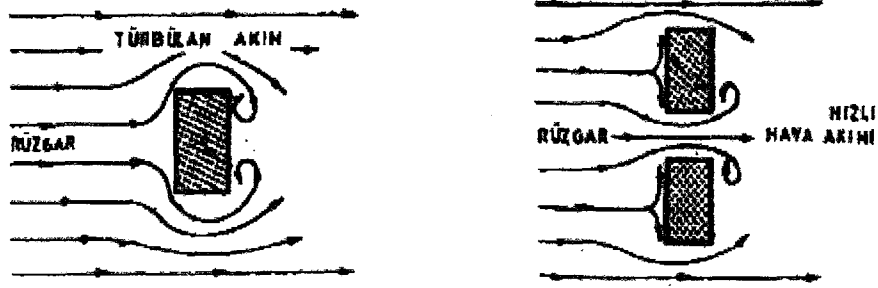
Rüzgar basıncı, hafif rüzgar hızı ve şiddetli fırtına hızı bileşenlerinin etkileriyle oluşmaktadır.Şekilde görüldüğü gibi hafif rüzgar hızları, sürekli yer değiştirme meydana getirmektedir.Değişken şiddetli fırtına hızlarında ise ivmelenme ve titreşimler oluşmakta, yapı rüzgar yönünde sallanmaktadır.(Yamantürk, 1993)



Şekil 2.3 : Rüzgar basıncının yapıda meydana getirdiği hareket.(Yamantürk, 1993)

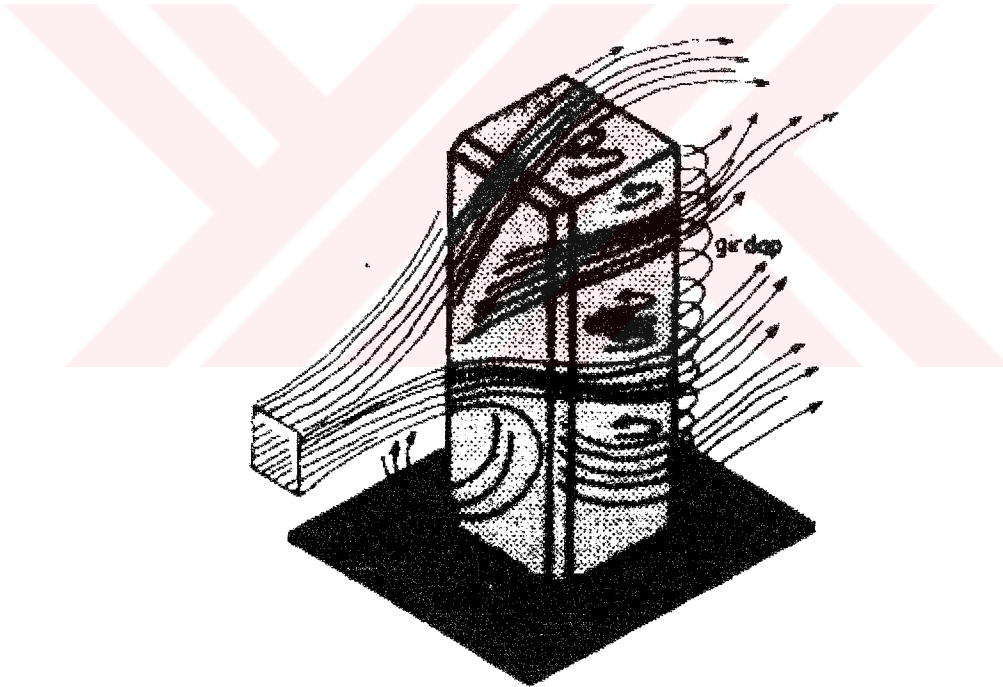
2.3.3.3 Türbülans Etkisi.

Hareket halindeki hava kümesi yapı ile karşılaştığında, yapı çevresinden geçerek arka çephede, şekil 2.4 'de görüldüğü şekilde türbülans oluşturmaktadır.Şekil 2.4'de görünen Venturi etkisi ise, hava akımı yüksek iki bina arasındaki dar aralıktan geçerek türbülansı meydana getirmektedir.



Şekil 2.4 : Türbülans ve Venturi etkisi. (Yamantürk,1993)

Girdaplar, yapının cephelerinde, yukarı doğru dairesel hava hareketi oluşturan yüksek hızlı hava akımlarıdır.Şekil 2.5’de görülen bu girdaplar, rüzgarın alçak basınç bölgelerinde oluşturduğu dairesel hava akımlarıdır.



Şekil 2.5 : Girdapların oluşumu. (Yamantürk, 1993)

Genel kural olarak yapının yükseklik/genişlik oranı dörtten küçük ve yapı yüksekliği 120 metreden az ise, yapı dizaynında türbülans etkisi dikkate alınmaz.

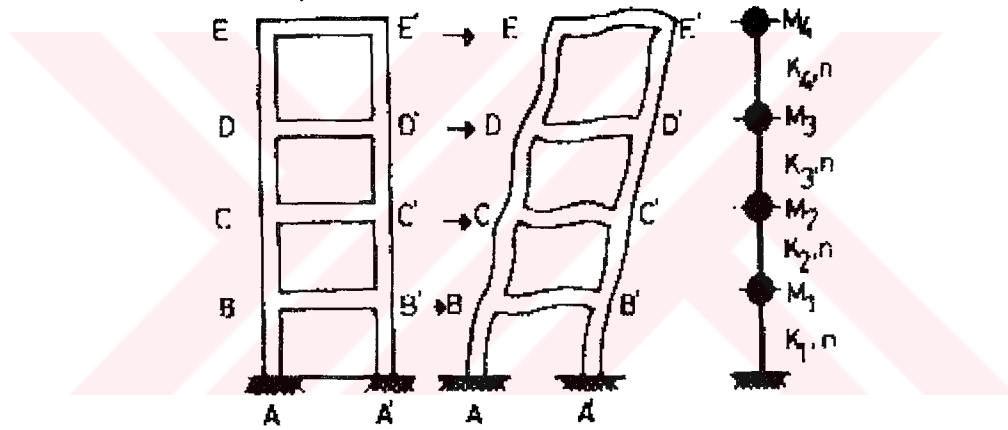
Yapıların rüzgar hareketlerine göre tasarımında insan faktörü önem kazanmaktadır.Rüzgar basıncı taşıyıcı sistemi olumsuz etkilemese bile, yapı konforunun dikkate alınması gerekmektedir.Yapının yatay salınımı insanların kullanabileceği sınırlara göre azaltılarak,

yapılarda meydana gelen gıcırtilar, pencere kenarlarında duyulan rüzgar sesleri, emme veya basınç yüzünden camların kırılması gibi kötü etkiler önlenmeye çalışılmalıdır.(Tuncay, 1999)

2.3.4 Deprem Yükleri.

Depremler, yerkabuğunda meydana gelen gerilme yığılmalarının ve biriken deformasyon enerjisinin, fay hatlarında oluşan ani kaymalarla serbest kalması sonucu ortaya çıkan sismik dalga hareketleridir. Deprem dalgaları yapılarda kütlelerine bağlı olarak yatay kuvvetler meydana getirmektedir.

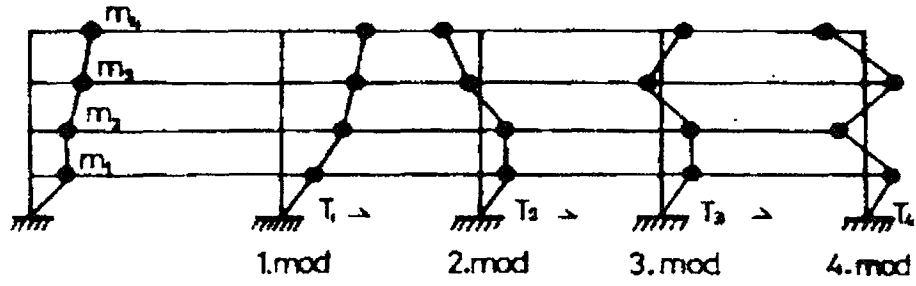
Deprem boyutu Richter ölçeğiyle, şiddeti düzenlenmiş Mercalli ölçeğiyle belirtilmektedir. Depremi oluşturduğu merkezin yeryüzüne dik olan noktasına episantr denilmektedir ve deprem dalgalarını merkez noktasını ifade etmektedir.



Şekil 2.6 : Deprem etkisinden dolayı yapıda meydana gelen zorlanmalar.(Çamlıbel, 1994)

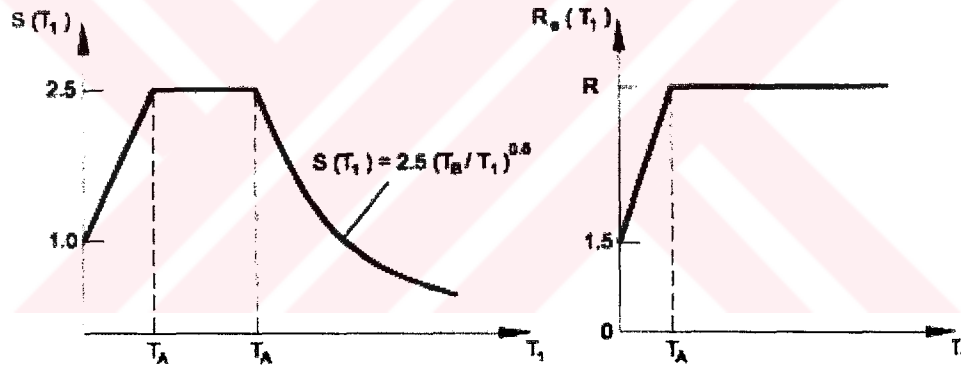
Çok katlı yüksek yapıların tasarımında, deprem yükleri ve yapının bu yüklere karşı gösterdiği tepkinin bilinmesi büyük önem taşımaktadır. Deprem kuvvetleri yapıyı, temellerden başlayarak yatay ve düşey doğrultuda titreşim yapmaya zorlamaktadır. Bu durumda yapıda ek olarak deplasmanlar ve dönmeler oluşmaktadır.

Deprem esnasında zemin ve yapı ayrı titreşmektedir. Deprem hareketi sırasında, her kattaki kütlelerin, yay gibi çalışan kolonlara bağlanarak, yatay kuvvet etkisi altında titreştiği varsayılmaktadır. Şekil 2.7'de görüldüğü gibi yapıda, kat adedi kadar farklı titreşim modu yani titreşim şekli bulunmaktadır ve kat adedi kadarda periyot bulunmaktadır.



Şekil 2.7 : Yapıda kat adedince oluşan titreşim modları. (Çamlıbel,1994)

İvme spektrumları, sistemlerin titreşim periyotları ile bu periyotlara karşı gelen maksimum ivme değerlerini gösteren şekillerdir. Yönetmeliklerde, zemin durumu ve yapının birinci moddaki titreşim periyotuna göre spektrum eğrileri belirlenmektedir. Şekil'de 2.8'de görülen bu eğrilerden yararlanarak spektrum katsayısı bulunmaktadıdır. (Tuncay, 1999)



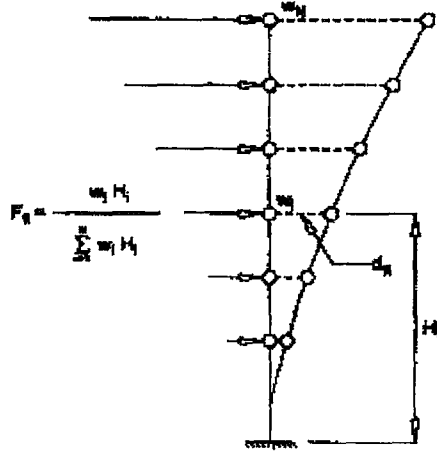
Şekil 2.8 : İvme spektrum değerleri. (ABYYHY 97,1997)

Yapıların deprem yüklerine karşı hesabında eşdeğer statik kesme kuvveti yöntemi veya dinamik analiz metodu kullanılmaktadır.

Eşdeğer deprem kuvveti yönteminde yapıya, ağırlığına bağlı kesme kuvveti etki ettiği varsayılmaktadır. Bu yöntemde taşıyıcı sistem davranış katsayısına bağlı bir eşdeğer kesme kuvveti etki ettiği varsayılmaktadır. Bu katsayı binanın toplam ağırlığına, deprem bölgelerine göre değişen etkin yer ivmesi katsayısına, binanın birinci moddaki doğal titreşim periyoduna, ivme spektrum periyoduna ve süneklığe bağlıdır. (ABYYHY 97, 1997)

Yapıya etkiyen toplam kesme kuvveti, Şekil 2.9'da görüldüğü gibi rijitlikleri oranında çerçevelere ve katlara dağılmaktadır. Bu yüklerin hesaplanması ile ilgili ABYYHY 'de detaylı

bilgi mevcuttur.



Şekil 2.9 : Deprem kuvvetlerinin katlara dağıtılması. (ABYYHY 97, 1997)

3. ÇOK KATLI YÜKSEK YAPILARDA YATAY YÜKLERİ TAŞIYAN SİSTEMLER

Yatay yüklerin aktarılmasında başlıca üç sistem uygulanmaktadır, bunlar;

- Çerçeveler,
- Perde duvarları,
- Tüpler

olmak üzere üç ana grupta toplanmaktadırlar. Bu sistemler yatay yüklerle birlikte düşey yükleride taşımakta ve sistem bir bütün olarak ele alınmaktadır. (Çakıroğlu, 1978)

Çerçeveler kolon ve kirişlerin rijit bağlanmalarıyla oluşturulan en basit taşıyıcı sistemlerdir. Fakat sınırlı durumlarda ve kat adedinde kullanılabilirler.

Perde duvarlar dolu ya da kafes şeklinde oluşturulmaktadır. Duvarlar ya tek düşey düzlem elemanları, ya da çeşitli şekillerde birleştirilerek, çekirdekler şeklinde düzenlenir.

Tüpler, yüksek yapıya ilişkin cephe çerçevelerinin bir “delikli tüp” şeklinde tasarlanması ve yapılması ile elde edilen çok daha etkin sistemlerdir. Tüp sistemler, her kat düzeyinde ana taşıyıcı kirişler ve kolon tipi elemanlardan oluşmuştur ve aralarda pencere boşlukları oluşmaktadır. Bu sayede, üzerine gelen yatay ve düşey yükleri, bünyesinde bulundurduğu tüm strüktürel elemanlarıyla birlikte, üç boyutlu bir bütün şeklinde çalışarak zemine aktarırlar.

Bütün bu sistemler ele alındığında çok katlı yapılarda yatay yükü taşıyan eleman tipleri yukarıdaki gibi gruplara ayrılarak incelenebilir. Bu tanımlar ışığında çok katlı yapılarda taşıyıcı sistemler

- Çerçeve sistemler,
- Perde duvarlı ve çerçeve, perdeli sistemler,
- Çekirdekli sistemler,
- Tübüler sistemler,

Şeklinde gruplandırılmak mümkündür. Bunların yanında yeni olmamakla birlikte, yapı ve yapım sistemleri yeni uygulanmaya başlanmıştır. Bunlar;

- Yüksek kirişli sistemler,
- Çok katlı asma sistemler,
- Pnömatik sistemler

- Hibrid (Kompozit) sistemler'dir.(Özgen, 2000)

3.1 Çerçeve Sistemler.

Çok katlı yapılarda çerçeve sistemler, birbirine rijit bağlantılarla bağlanmış düşey kolon ve yatay kirişlerden oluşmaktadırlar. Betonarme ve çelik malzemenin kullanıldığı bu sistemlerin yatay yüklere karşı sağlamlığı bağlantı noktalarının rijitliğine bağlıdır.Çerçeveler düşeydeki konumlarına göre iki alt bölümde incelenebilirler:

- Düzlemsel çerçeveler,
- Uzaysal Çerçeveler, (Smith, 1991)

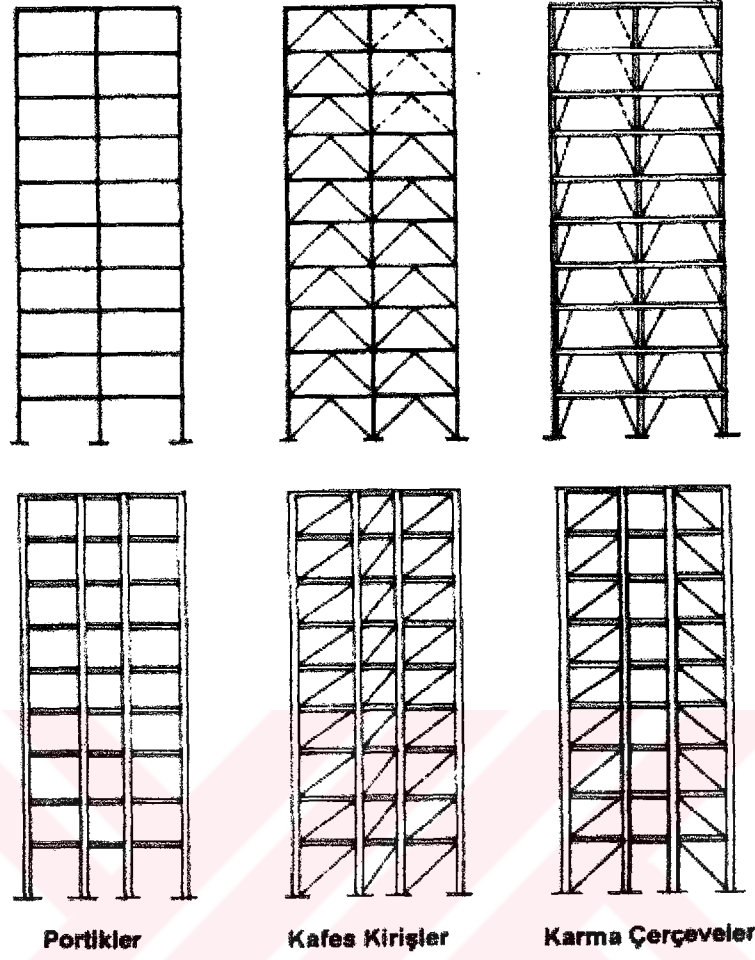
Düzlemsel çerçeveler, aynı düşey düzlem içindeki kolon ve kirişlerden oluşan sistemlerdir.Kiriş ve kolonlar, düşey ve yatay yükleri birlikte taşırlar.Yatay konumdaki kat kiriş ve döşemeleri, düşey yük momentlerine ek olarak, yatay yüklerden oluşan momentleride aktarırlar.Kolonlar ise düşey yüklerden oluşan normal kuvvetler ve genellikle küçük olan düşey yük momentlerinin yanısıra yatay kuvvetlerin doğurduğu momentleride iletirler.Rijit çerçeve, yatay yüklere, kolon ve kirişlerin eğilmesiyle karşı koyar.Bu nedenle çerçevelerin taşıma gücü, çerçeveyi oluşturan kiriş ve kolonların mukavemetine bağlıdır.(Christiansen, 1973)

Birbirine paralel olan ve yatay kirişlerle birleştirilen çok sayıdaki düzlemsel çerçeveden oluşan sistemler, çok katlı yapılarda kullanım alanı oldukça geniş alanı olan uzay çerçeve tipini oluştururlar.Uzay çerçeveler, düzlem çerçevelere göre daha yüksek dereceden hiperstatik ve daha rijit sistemlerdir.

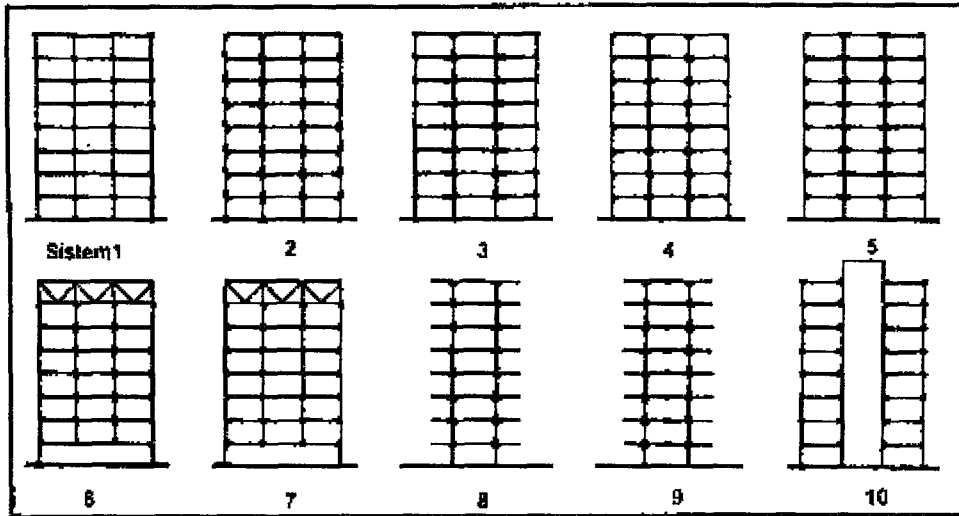
Çerçeveler tek başlarına ancak kat adedi az olan yapılarda ekonomik olarak uygulanabilmektedirler.Yapı yüksekliği arttıkça, kolon ve kiriş boyutları da hızla büyümeye başlar ve bu durumda ekonomik olmaktan çıkmaktadırlar.

Çelik çerçeve iskelet sistemlerin rijitleştirilmesi ve sistemin tümünün stabilitesinin sağlanması, dolu betonarme ya da kafes kiriş türü çelik perde elemanlarıyla yapılır.Bu durumda kafes perdeler, bina içindeki bazı bölmelerde, örneğin çekirdekte düzenlenir ve çerçeve – perde karma sistemler ortaya çıkar.(Duman, 1973)

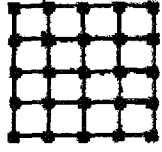
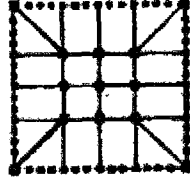
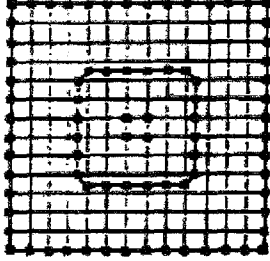
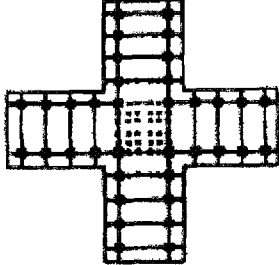
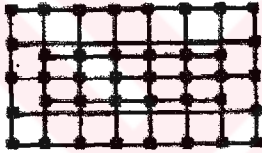

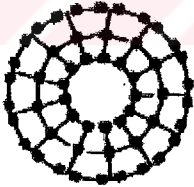
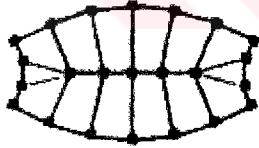

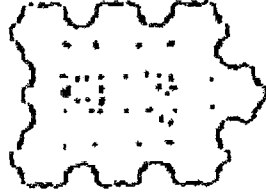
Yüksek yapılarda çelik çerçevelerin elemanlarla rijitleştirilmesi iç kullanım alanlarında esnekliği sınırlamaktadır.Buna karşılık rijitleştirmenin cephe çerçevelerinde yapılması çözümüne gidilebilmektedir.(Şekil 3.1)



Şekil 3.1 : Çelik çerçevelerde rijitleştirme şekilleri.(Özgen, 1989)



Şekil 3.2 : Çelik çerçeve tipleri. (Özgen,1989)

 <p>a. İki doğrultulu çerçeve (Gas Binası, 28 kat)</p>	 <p>b. Dışta tıp, içte çekirdek (Boston Company Binası, 41 kat)</p>
 <p>c. İçte veya dışta tıp (Osakka Kakussi Binası, 32 kat)</p>	 <p>d. İki aks üzerinde çerçeve (Washington Plaza Hotel)</p>
 <p>e. İç kolonları farklı aralıklı çerçeve (Dresser Kulesi, 40 kat)</p>	 <p>f. Paralel çerçeve (Chase Manhattan Bank Binası, 60 kat)</p>
 <p>g. Dışta ve içte dairesel tıp (Royal Company Binası, 41 kat)</p>	 <p>h. Eğrisel ızgara üzerinde çerçeve (One Chemung Canal Plaza)</p>
 <p>i. Radyal ızgara üzerinde çerçeve (Kaiser Center, 27 kat)</p>	 <p>j. Düzensiz kolonlar (Morningside House, 20 kat)</p>

Şekil 3.3 : Çerçeveli yapı sistemleri. (Schueller, 1977)

3.2 Perde Duvarlı Sistemler

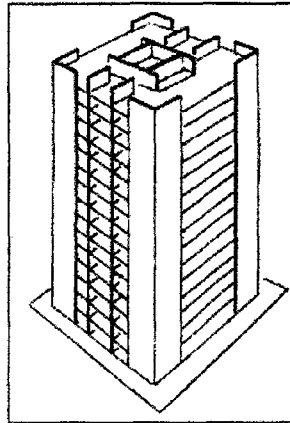
Belirli bir yapı yüksekliğine ulaşıldıktan sonra çerçeve sistemler yatay yüklerin taşınmasında yetersiz kalmaktadır. Bu durumlarda yapı içinde yapılacak bölmelerin sabit olanlarından hem düşey hem de yatay yüklere karşı koyacak şekilde düzenlenerek perde duvarlar oluşturulur. Burada kullanılan perdeler düzlem duvarları, asansör, merdiven, ve iç çekirdek duvarlarını kapsamaktadır. Perde duvarlar, yapıya sismik ve rüzgar kuvvetlerine karşı ,çerçeve sistemlere göre daha fazla rijitlik sağlamaktadırlar ve düşey konsollar şeklinde davranan düşey düzlemsel diyaframlardır. (Frischmann, 1967)

Betonarme perde duvarlı sistemlerin konstrüksiyon açısından avantajları:

- Merkezi servis çekirdeğindeki perde duvarları kayar-kalıp ya da tırmanır kalıp teknolojileri ile etkin bir şekilde uygulanabilirler.
- Yüksek dayanımlı beton ile duvar kalınlığının minimuma inmesi sağlanmıştır, ve bu da kat alanının verimli kullanımı ile sonuçlanmıştır.
- Günümüzde kullanılan pompalama teknolojisi, yüksek dayanımlı betonun belli yükseklik üzerine pompalanmasına imkan sağlamıştır.
- Çelik konstrüksiyonun karmaşık olan kaynaklı ve soğuk birleşimlerinin getirdiği problemler mevcut değildir.

Bunun yanında perde duvarlı sistemlerinde getirdiği bazı dezavantajlarda bulunmaktadır bunlar:

- Yapı yüksekliği boyunca perde duvarlar üzerinde açılan boşluklar, bu duvarların burulma ve eğilme rijitliğini büyük ölçüde etkilemektedir.
- Yapım süresi çelik konstrüksiyona göre daha uzundur.
- Düşey betonarme elemanların ek ağırlıkları çelik bir sisteme göre temellerde maliyet açısından artışa neden olmaktadır. (Beedle, 1995)



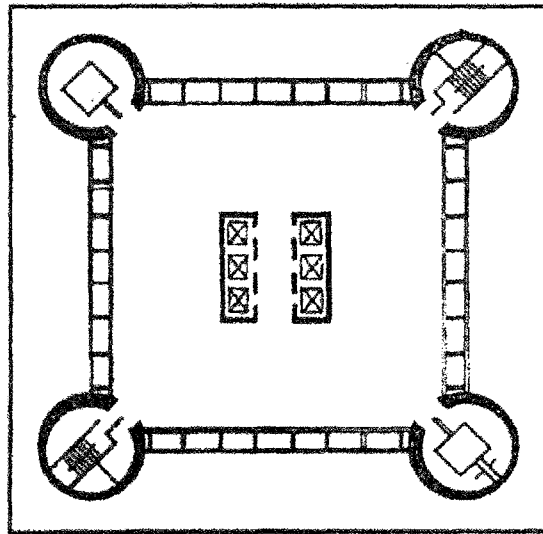
Şekil 3.4 : Perde duvarlı bir sistem. (Smith, 1991)

3.3 Çerçeve ve Perde Duvarlı Sistemler.

Yatay yük olarak deprem ve rüzgar etkisi gözönüne alınan durumlarda 30 katın üzerindeki yapılarda rijit çerçeve sistemi tek başına uygulanamamaktadır bu nedenle yapı içinde yatay yükleri karşılayacak perde duvarlar düzenlenir. Bu perde duvarlar betonarme ve ya çelik kafes sistemi şeklinde düzenlenebilmektedir. Bu perde duvarlar merdiven kovaları ve asansör shaftları etrafında düzenlenerek düşey bir çekirdek oluşturacak şekilde düzenlenip yapının yatay rijitliğini yapı yüksekliği boyunca oldukça artırmakta ve yatay yüklerin büyük çoğunluğunu karşılayarak çerçeve eleman boyutlarının küçülmesi sağlanmakta ve büyük ekonomi sağlanmış olmaktadır. Perdeli ve çerçeveli sistemler genellikle 40–60 kat arasındaki yükseklikler için uygun olmakla beraber deprem etkisi gözönüne alındığında bu kat adedi büyük ölçüde azalma göstermektedir. Ülkemizde ve dünyada kullanılan sistemler arasında en yaygın olarak kullanılan sistemler bu tip sistemlerdir. (Sev, 2000)

Perde duvarlı ve çerçeveli sistemler konstrüksiyon açısından üç kısma ayrılmaktadır:

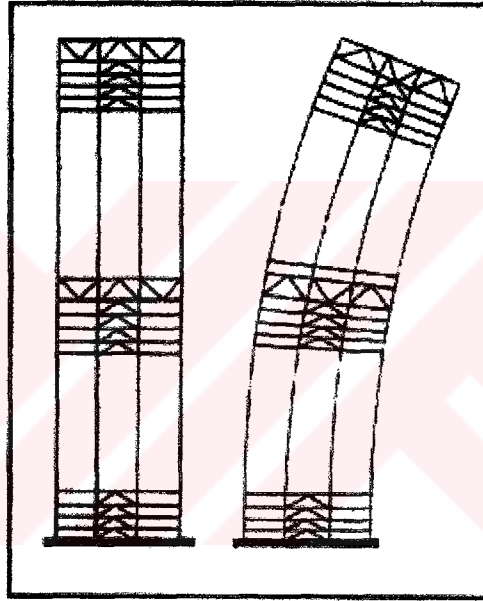
- **Yatay yük dayanımlı perde duvarlar:** Bu sistemlerde perde duvarları veya çekirdekler tüm yatay yükleri alırken döşeme ve kolonlar düşey yükleri taşımaktadırlar.
- **Yatay yük dayanımlı, cephede perde duvarları :** Bu sistemde delikli şekildeki cephe duvarları yatay stabiliteyi büyük oranda sağlamaktadırlar.
- **Yatay yük dayanımlı cephe çekirdekleri :** Bu sistemlerde, yapıya dayanıklılık ve rijitlik kazandırmak için cepheye bir dizi çekirdek yerleştirilmektedir. (Smith, 1991)



Şekil 3.5 : Cephe çekirdekli bir sistem. (Guise, 1991)

3.4 Yatay Kafes Kirişli Çerçeve ve Çekirdekli Sistemler.

Sadece düşey bir kafes kirişin bulunduğu çerçeve sistemler 40 kat üzerindeki yapılar için uygun olmamaktadır. Bu sistemde yeterli rijitlik ve sağlamlık için çaprazlama ekmanlarıyla fazla malzeme kullanmak gerekmektedir. Taşıyıcı sistemin rijitliğini çerçeveyi çekirdeğe bağlayan yatay kafes kirişler kullanarak yaklaşık %30 oranda artırabilmektedir. Bu kafes kirişler çekirdeğe rijit, dış kolonlara basit olarak bağlanır. Bu sayede çekirdek tüm yatay kesme kuvvetlerini karşılarken, yatay kafes kirişlerde düşey kesme kuvvetlerini çekirdekten dış çerçeveye iletirler. Çok katlı yüksek yapıların tasarımında ekonomik ve güvenilirlik açısından bu sistemler yaygınca uygulanmaktadır. (Özgen, 2000)



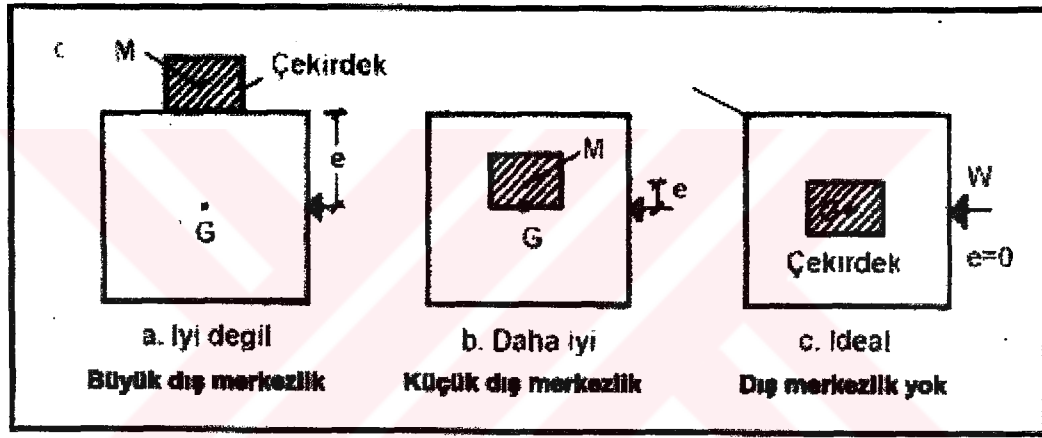
Şekil 3.6 : Yatay yük altındaki yatay kafesli sistemin davranışı. (Smith, 1991)

Yatay kafes kirişli sistemlerin avantajları:

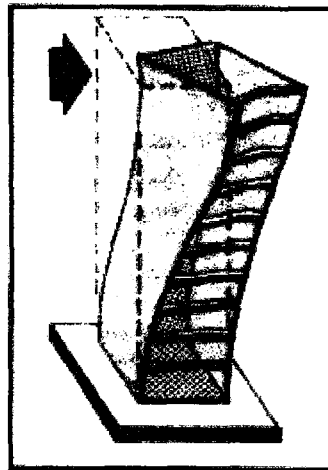
- Çekirdekteki devrilme momentleri, her bir yatay kafes kirişinin çekirdekle kesiştiği noktada uyguladığı karşıt moment ile azaltılabilir.
- Kolonlarda ve temel sisteminde artan basınç gerilmeleri bütünüyle azaltılabilir.
- Dıştaki çerçeve daha ekonomik olarak basit kiriş ve kolonlarla, rijit çerçeve tipi bağlantılara gerek kalmadan oluşturulabilir. (Özgen, 2000)

3.5 Çekirdekli Sistemler

Çekirdekler perdelerden oluşan düşey taşıyıcı elemanlardır ve iki doğrultuda rijitleştirilmiş perde davranışı göstermektedirler. Perde ve çekirdeklerin planda simetrik ve asimetrik yerleştirmelerine göre çalışma şekilleri değişiklik göstermektedir. Aşağıdaki şekilde de görüldüğü üzere simetrik yerleştirmede yatay yüklerin bileşkesi rijitlik merkezinden geçmektedir ve yapıda burulma etkileri minimuma indirilmiş olmaktadır. Çekirdeklerin asimetrik yerleştirmeleri durumunda ise yatay yüklerin bileşkesi katların rijitlik merkezinden geçmez ve bir dış merkezlik doğar. Bunun sonucu eğilme ve kayma etkileri ve burulmalar oluşmaktadır. Bu durumda perdeler yerleştirmeleri sonucu doğacak bu gerilmeleride karşılamaktadırlar. (Özgen, 2000)



Şekil 3.7 : Perde ve çekirdeklerin yerleştirilmesi. (Özgen, 1989)



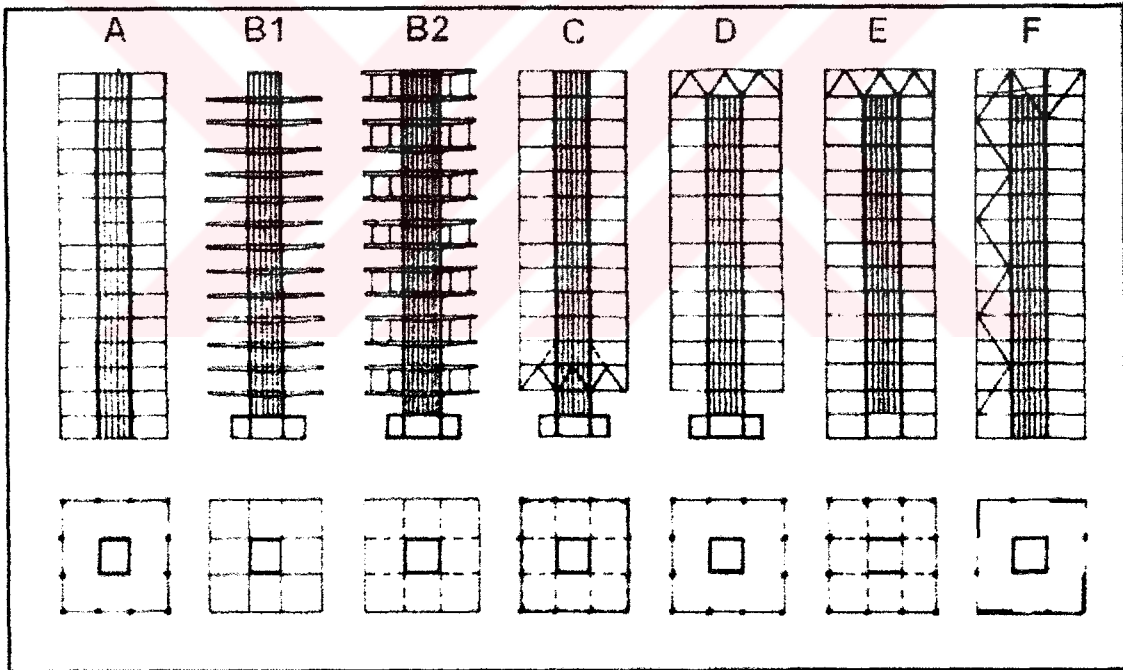
Şekil 3.8 : Çekirdeklerin burulması. (Özgen, 1989)

Çok katlı yüksek yapılarda çekirdekler, çelik veya betonarme malzeme birleştirilerek yapılabilmektedir. Çelik çekirdeklerde düşey stabilite, diyagonal bağlantılı Vierendeel çerçeve

ile sağlanmaktadır çelik çerçevelerin avantajları betonarme çekirdeklere göre daha hızlı imal edilebilmeleridir. Betonarme çekirdeklere ise yangına karşı ek önlem almaya gerek duyulmamaktadır.

Merkezi çekirdekli sistemler aşağıdaki gibi sınıflandırılmışlardır;

- Çekirdek ve dış kolonlu sistemler (A)
- Çekirdek ve konsol döşemeli (B1-B2)
- Çekirdek ve zemin kat üzerinde tabliyeli (C)
- Çekirdek ve asma sistemler (D)
- Çekirdek ve kafes kiriş kuşaklı-başlıklı (E-F)
- İki çekirdekli



Şekil 3.9 : Merkezi çekirdekli sistemler. (Özgen, 1989)

3.6 Tübüler Sistemler.

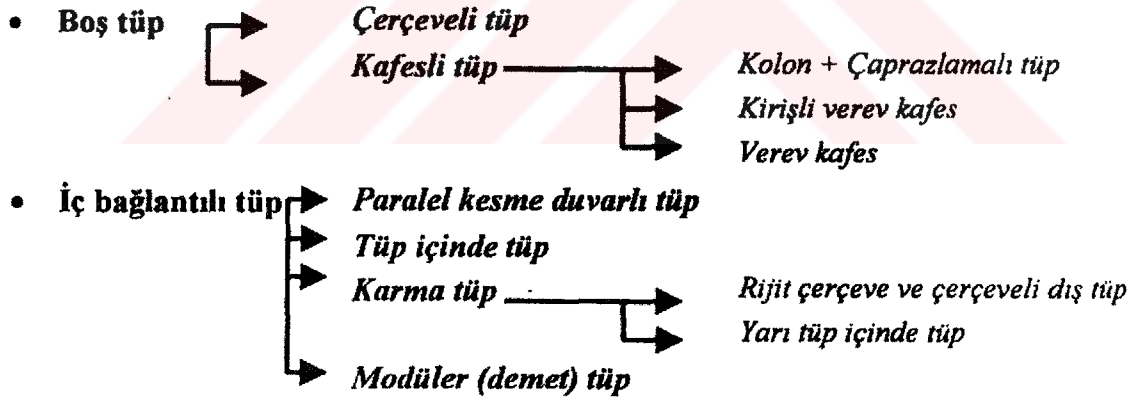
Bu tip taşıyıcı sistemler birbirine yakın dikdörtgen veya boru tipi dış kolonların dizilmesi sonucu oluşturulur. Yapı çevresini oluşturan tüpün duvarları, yüksek ana kirişlerle bağlanmıştır. Böylece bu sık kolon ve kat kirişlerinin birleşmesiyle oluşturulan çerçevelerden meydana gelen bir taşıyıcı sistem elde edilmektedir. Tübüler sistemlerde, dıştaki sık aralıklarla yerleştirilen kolon ve kirişler aynı zamanda cephe kaplamasının maliyetini de azaltmaktadır.

Tübüler sistemlerde yatay yüklere karşı iki farklı çalışma şekli oluşmaktadır:

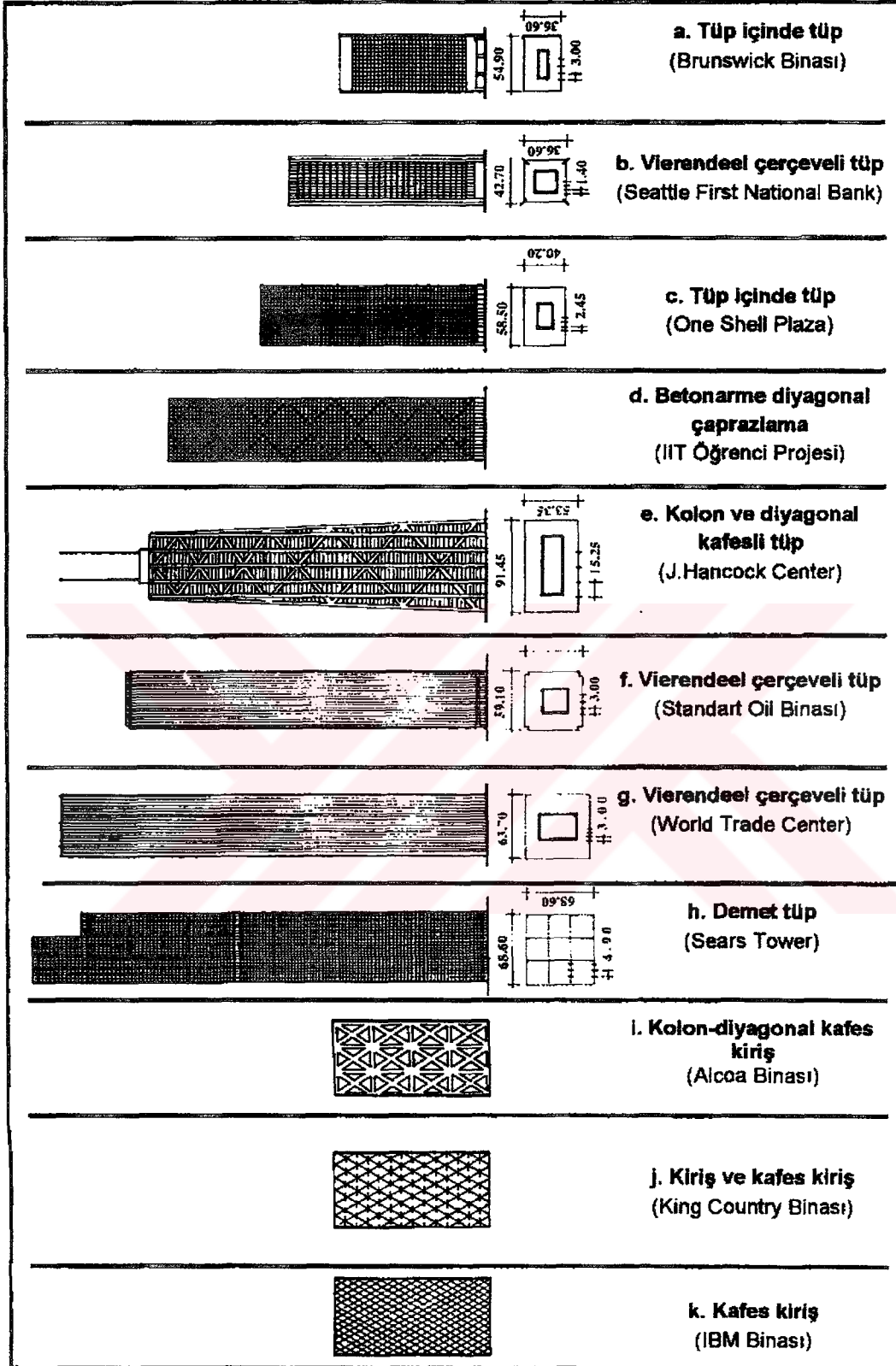
- Yatay yüklere paralel iki cephe duvarı yaklaşık olarak çerçeve davranışı göstermekte, bu çerçevelerin kiriş ve kolonlarının eğilmesiyle yatay yük karşılanmaktadır.
- Yatay yüklere karşı yapı tümüyle bir konsol tüp davranışı göstermektedir. Burada dış kolonlar sistemi, rijit diyaframlanmış boş bir borunun parçası olarak düşünülmektedir.

Tübüler sistemlerde dış cephe duvarları yatay yüklerin çoğunu ya da tümünü karşıladığından, içindeki rüzgar bağlantısı ve perdeler gerek kalmamaktadır.

Aşağıda bu güne kadar uygulanmış tüp sistem uygulamaları sınıflandırılmıştır:



Şekil 3.10 : Tüp sistemlerin sınıflandırılması.(Schueller, 1977)



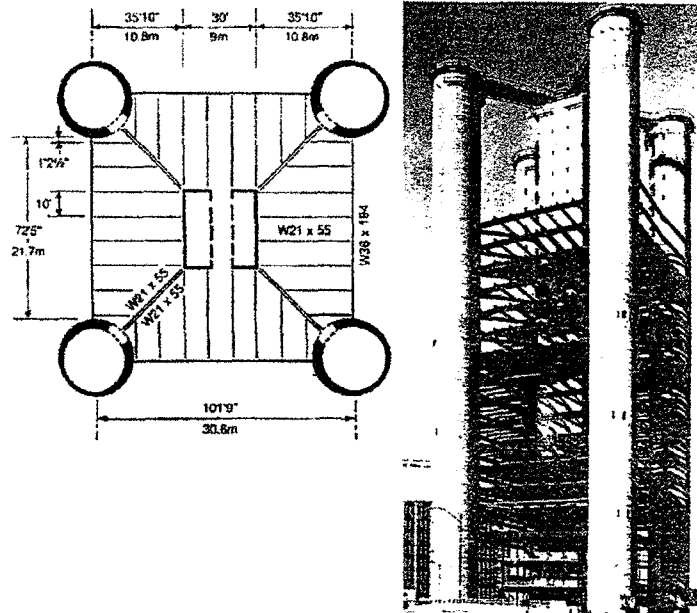
Şekil 3.11 : Bu güne kadar uygulanmış tüp sistem örnekleri.(Sev, 1997)

3.7 Hibrid (Kompozit) Sistemler.

Yüksek yapılar geleneksel olarak, sırasıyla moment dayanımlı çerçeve, perde duvarlı ve çerçeveli tüp şeklinde gelişme göstermiş olan yatay yüke dayanıklı sistemler tarafından taşınmak üzere tasarlanmış konstrüksüyonlardır. Fakat gelişen bilgisayar teknolojisi kompozit sistemlerin hesaplanmalarını kolay hale getirmiş ve bu sistemlerde uygulama alanı bulmuşlardır. Kompozit sistemlerde genellikle yatay yüklere karşı betonarme perdeler kullanılmakta ve yapının yatay yükleri Vierendeel kirişleri yardımıyla yatay yükü taşıyan çekirdek veya perdelerle aktarılmaktadır. Bu sayede yapıda belirli bir ekonomi sağlanmış olmaktadır. Kompozit yapılarda çelik yapıların hafifliği, hızlı inşaa edilebilmesi ve mukavemetinin yüksekliği gibi avantajlarıyla birlikte çelik malzemenin maliyeti ve işçiliğinin zor olması dezavantajlarının betonarme çelik kompozit sistemler kullanılması suretiyle optimize edilmesi sağlanabilmektedir. (Özgen, 2000)

3.7.1 Betonarme Çekirdek veya Perde Duvarlı Kompozit Çelik Çerçeveler.

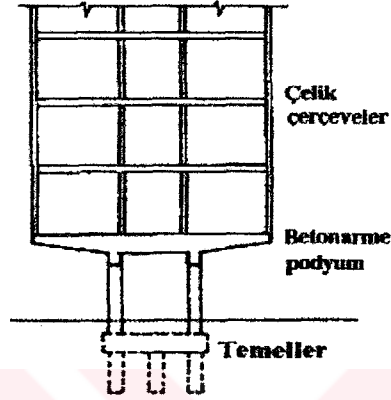
Bu kompozit yapı tipinde bina cephesinde betonarme kolonlar veya yapının çekirdek bölgesinde betonarme perdeler kullanılmaktadır. Diğer çerçeveler ise çelik profillerden yapılmaktadır. Bu yapı sisteminde betonarme kolonlar veya betonarme çekirdek yanal yükleri taşımakta ve yangına dayanıklılık sağlamaktadır. Çelik çerçeveler ise düşey yüklerin taşınmasında kullanılır. (Tuncay, 1999)



Şekil 3.12 : Betonarme çekirdek ve perde duvarlı çerçeve. Knights of Columbus. (Blanc, 1993)

3.7.2 Betonarme Podyum ve Üstte Çelik Çerçevesi Kompozit Yapı Sistemi.

Bu tip taşıyıcı sistemde temeller, bodrum, zemin kat, ve birinci kattaki podyum adı verilen derin döşeme platformu betonarmeden inşa edilmektedir.Üst kısımda ise çelik çerçeveler kullanılmaktadır.Bu tip sistemler zemin durumu kötü olan bölgelerde yapılmakta olup düşey yükler podyum tarafından zemine aktarılmaktadır.



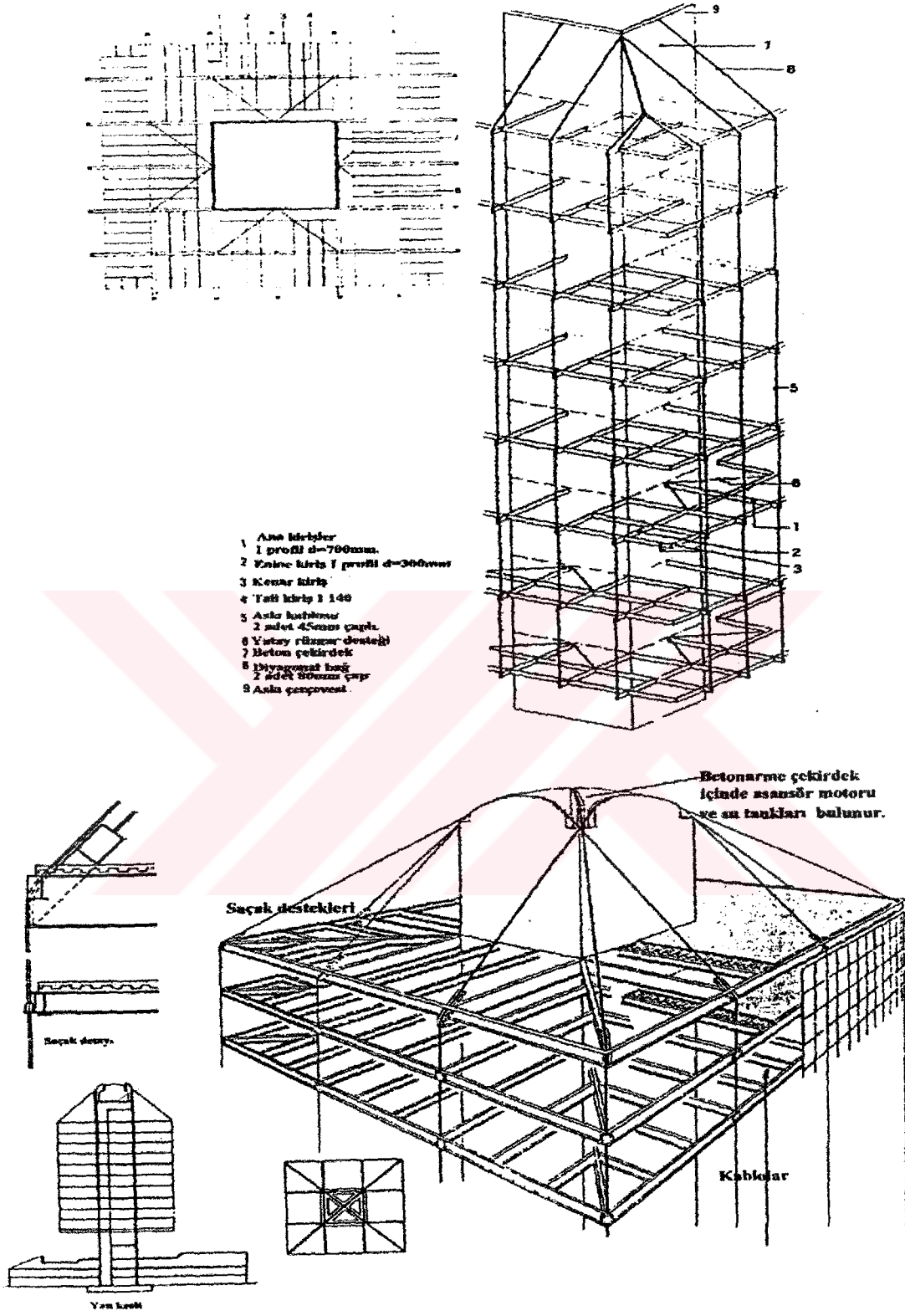
Şekil 3.13 : Betonarme podyumlu kompozit yapı örneği.Pavillon Suisse,Paris.(Blanc, 1993)

3.7.3 Betonarme Tüplü Kompozit Yapı Sistemi.

Bu tip taşıyıcı sistemde betonarme tüp yapı sistemi tüm cephe boyunca uygulanmakta olup iç kısımda çelik çerçeveler kullanılmaktadır.Betonarme tüp tüm yanal kuvvetleri alarak zemine aktarmakta olup düşey yükler çelik çerçeveler tarafından taşınmaktadır.(Tuncay, 1999)

3.7.4 Askılı Kompozit Yapı Sistemleri.

Bu tip yapı sistemlerinde betonarme çekirdek ve etrafında çelik çerçeveler kullanılır.Bina cephesindeki çelik, çerçeveler, kablolar yardımıyla betonarme çekirdeğe asılmaktadır.(Şekil 3.14)



Şekil 3.14 : Askılı kompozit sistem örnekleri.(Blanc, 1993)

4. ÇOK KATLI YÜKSEK YAPILARDA DÖŞEME SİSTEMLERİ

Çok katlı yüksek yapılarda yatay düzlem elemanları, kiriş ve plaklardan oluşan kat döşemeleridir. Döşemeler yalnızca katlardaki yükleri, düşey düzlemlerdeki yapı elemanlarına aktarmakla kalmayıp, yatay yüklerin zemine aktarılmasında, düzlemleri içindeki yüklerin iletilmesinde sonsuz rijit elemanlar olarak “diyafram” görevinde yapmaktadırlar. (Özgen, 1990)

Döşeme sistemlerinin uygun olarak seçimi yapının taşıyıcı sistemini önemli ölçüde etkilemektedir. Bu tercih rüzgar ve düşey kuvvetlerin akış yönünü belirleyerek yapı iskeletinin geometrisini biçimlendirir.

4.1 Betonarme Döşeme Sistemleri.

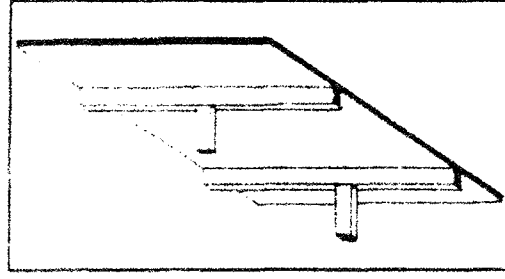
Betonarme yapılarda döşeme sistemleri aşağıdaki şekilde sınıflandırılmıştır:

- **Kirişli Döşemeler;**
 - Tek doğrultuda çalışan, kirişlere oturan döşemeler,
 - İki doğrultuda çalışan, kirişlere oturan döşemeler,
- **Perdelere oturan döşemeler; plak+taşıyıcı duvar,**
- **Dişli döşemeler;**
 - Nervürlü döşemeler,
 - Kaset döşemeler,
 - Tablalı kirişli döşemeler,
- **Kirişsiz / Mantar döşemeler,**
- **Ön germeli ve son germeli döşemeler, (Özgen, 1996)**

4.1.1 Kirişli Döşemeler.

Kirişli döşemeler tek doğrultuda çalışan ve iki doğrultuda çalışan kirişlere oturan döşemeler şeklinde iki gruba ayrılmaktadırlar. Tek doğrultuda çalışan yerinde imal edilen betonarme döşemeler, 6 mt açıklığa kadar yaklaşık 18-20 cm kalınlık gerektirmektedirler ve bu sınırlar dahilinde ekonomik kullanılabilirler.

İki doğrultuda çalışan kirişli döşemeler az ve orta yükseklikteki yapılarda çok kullanılmamakla birlikte, yüksek yapılarda özel durumlarda kullanılır. 10-15 cm kalınlıktaki



Şekil 4.1 : Tek yönlü, kirişlere oturan döşeme.(Sev, 1997)

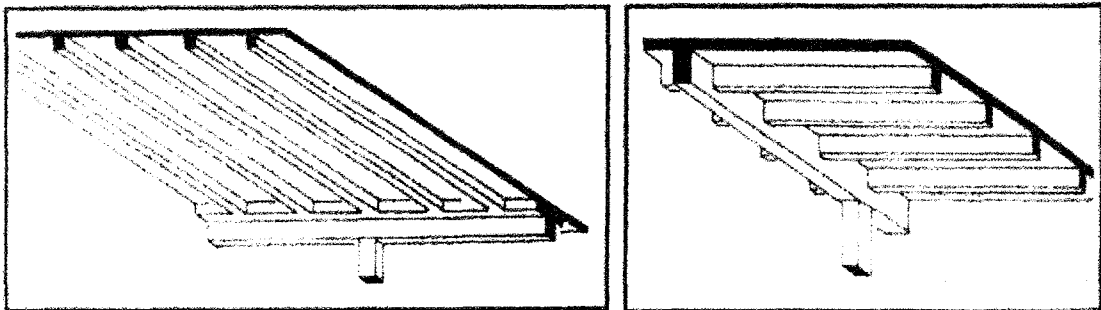
Plaklar, her iki doğrultuda 3-6 mt açıklığındaki kirişler tarafından taşınmaktadır.Bu tip döşeme sistemleri konutlarda, bürolarda ve ticari yapılarda yaygın olarak kullanılmaktadır.

4.1.2 Perdelere Oturan Döşemeler.

Bu sistemdeki döşemeler doğrudan betonarme perdelere oturan sürekli plak şeridindedir.Açıklıklar genellikle 4.5-7.5 mt arasında, kalınlıkları ise 15-20 cm arasında olabilmektedir.Bu sistem özellikle çok katlı konutlarda, kiriş olmaksızın minimum kat yüksekliği ve düz tavan sağladığı için kullanılabilir.Plak ve taşıyıcı perde duvarların birlikte kullanıldığı yüksek yapılarda gerekli donatı konulmak sureti ile döşemeler yatay yükler altında sistemde bir kiriş gibi etkili olabilmektedir.

4.1.3 Dişli Döşemeler.

Bu tip döşemeler açıklıkların 7-10 mt arasında olduğu ve kat döşemesi yüksekliğinin sınırlı tutulması gerektiği durumlarda uygulanmaktadır.Döşeme kalınlığı genellikle 30-40 cm arasında seçilir.Dişlerin serbest aralıkları en çok 70 cm; tabla kalınlığı en az 7 cm 'dir.Böylece dişli döşemeler, sık kirişler ve bunların üzerindeki plaktan oluşmaktadırlar.



Şekil 4.2 : Dişli Döşeme Örnekleri.(Sev, 1997)

Açıklıkların büyümesi durumunda dışlar iki yönde düzenlenerek kaset döşeme oluşturulur. Basit kaset döşemelerinde açıklık yaklaşık 10 mt'ye kadar çıkabilmektedir. Öngerilme uygulandığında ise bu açıklıklar 15 mt'ye kadar ulaşmaktadır. (Christiansen, 1973)

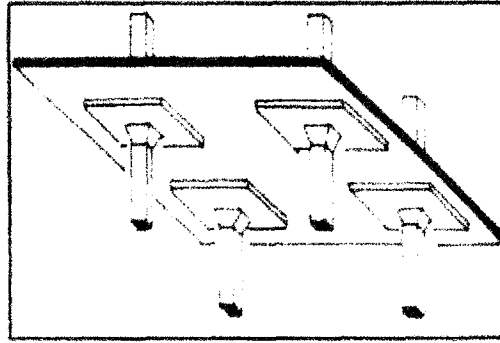
4.1.4 Tablalı Kirişli Döşemeler.

Bu sistemde 14 mt'ye kadar açıklıklar geçilebilmektedir. Kiriş yüksekliği 30-80 cm arasında değişir. Tablalı kirişlerin gövdeleri önyapımlı olarak hazırlanmakta, tabla ise ya tümüyle yerinde döküm olmakta, ya da 4-5 cm kalınlığında ön yapımlı betonarme bir kalıp üzerine yerinde dökümle tamamlanmaktadır.

Tablalı kirişli döşemeli binalarda, çekirdek ve dış çeper arasında döşemelerin çalışma doğrultuları değiştirilerek, zararlı gerilme yığılmalarının olabileceğince önüne geçilmelidir.

4.1.5 Kirişsiz Döşemeler (Mantar Döşemeler).

Kirişsiz döşemeler genellikle eşit açıklıklı, düzgün sıralanmış, kare ve ya dairesel kesitli kolonlar üzerine oturtulan ve onlara eğilmeye dayanıklı olarak bağlanan betonarme plakların oluşturduğu taşıyıcı sistemlerdir. Döşeme kalınlığı en az 15 cm ve açıklığı her iki yönde 4,5-7,5 mt mertebesindedir. Öngerilme ile açıklıkları %50 oranında büyütme mümkündür. Kolon başlarına başlık yapılması açıklıkların artırılmasına olanak verir.



Şekil 4.3 : Mantar Başlıklı Döşeme. (Sev, 1997)

4.1.6 Ön Germeli ve Son Germeli Döşemeler.

Genellikle geniş açıklıkların istendiği durumlarda bu sistemler kullanılmaktadır. Ön germeli kirişler vasıtasıyla yüksekliği fazla olmayan bir döşeme sistemi elde etmek mümkün olmaktadır. Kolonların uygun ölçülerde düzenli bir form oluşturduğu döşemelerde, öngerilme

yöntemi çökmeleri kontrol ederken, döşeme yüksekliğini azaltma açısından oldukça etkili olmaktadır. Prekast öngermeli döşeme elemanları genellikle üzerlerindeki ince yerinde dökme beton tabakası ile birbirlerine bağlanarak kompozit bir sistem oluştururlar. Son germeli döşeme sistemleri yuvaların içinde 12.7 veya 15.2 mm yüksek dayanımlı çelik kablolar ile uygulanmaktadır. Yuvalar, her bir kablonun yağlanıp, plastikler içinde zarflandığı durumlarda bağlanmadan ya da basınç uygulamasının ardından sulu çimento harcı ile doldurulmuş dört köşe metal kutular içine dörtlü veya beşli kablolar halinde bağlanarak uygulanmaktadırlar. En yaygın uygulanan son germeli döşeme sistemleri :

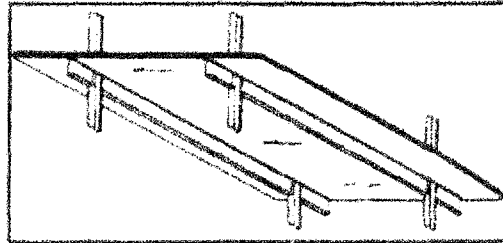
- Son germeli düz plak döşemeler,
- Son germeli döşeme plaklarını taşıyan son germeli kirişler,
- Betonarme döşeme plaklarını taşıyan son germeli kirişlerdir. (Özgen, 2000)

4.2 Çelik Döşeme Sistemleri.

Çelik döşeme sistemleri bir çok birleşim, kiriş ve kuşaklar içeren bir çerçeveye oturtulmuş, bir döşeme tablası ile karakterize edilebilir. Döşemelerin kalınlığı 10-18 cm arasında değişebilmektedir ve metal bir tabliyenin üzerine oturtulur, değişik kesitlere sahip olabilmektedir. Döşemenin ağırlığı çelik çerçevenin ağırlık ve maliyetine yansımaktadır. Bu nedenle daha küçük açıklıklı, dolayısıyla daha az kalınlıkta döşeme sistemleri tercih edilebilir. (Özgen, 2000)

4.2.1 Tek Yönde Kiriş Sistemi.

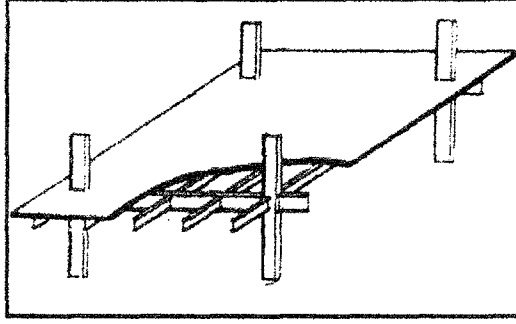
Bu sistemde dikdörtgen bir ızgaraya bağlı kolonlar, bir dizi büyük açıklık geçen paralel kiriş taşımaktadır. Döşeme bu dikdörtgenin kısa kenarı doğrultusundaki açıklığı geçmektedir. Diğer doğrultuda ise yalnızca bağ kirişi bulunmaktadır.



Şekil 4.4 : Tek yönde kiriş sistemi. (Sev, 1997)

4.2.2 İki Yönde Kiriş Sistemi.

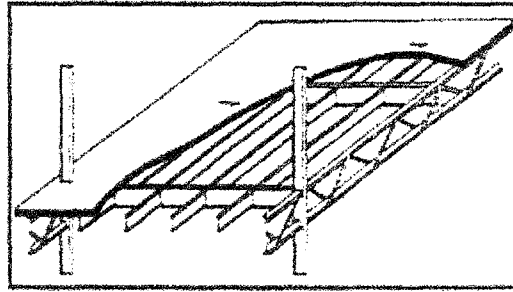
Kiriş açıklıkları birbirine dik iki yönde olduğu döşeme sistemlerinde iki yönlü çerçeve oluşturacak şekilde kiriş ve kuşaklar kullanılmaktadır. Döşeme bu iki yöndeki kirişlerin arasına geçmektedir. Toplam yüksekliği azaltmak için küçük açıklığı geçen kiriş yüksekliği fazla, büyük açıklık geçen kiriş yüksekliği ise daha az tutulabilir.



Şekil 4.5 : İki yönde kiriş sistemi. (Sev, 1997)

4.2.3 Üçlü Kiriş Sistemi.

Kolon açıklıklarının fazla olduğu yapılarda üç yönde kiriş sistemi uygulanmaktadır. Diğerlerinden yüksekliği fazla olan bir kafes kiriş, ikinci ve üçüncü yönlerdeki kirişleri taşır. Bu kiriş sayesinde diğer iki yöndeki kirişlerin yüksekliği daha az olabilir. Böylece döşeme bunların arasındaki küçük açıklığı geçer.

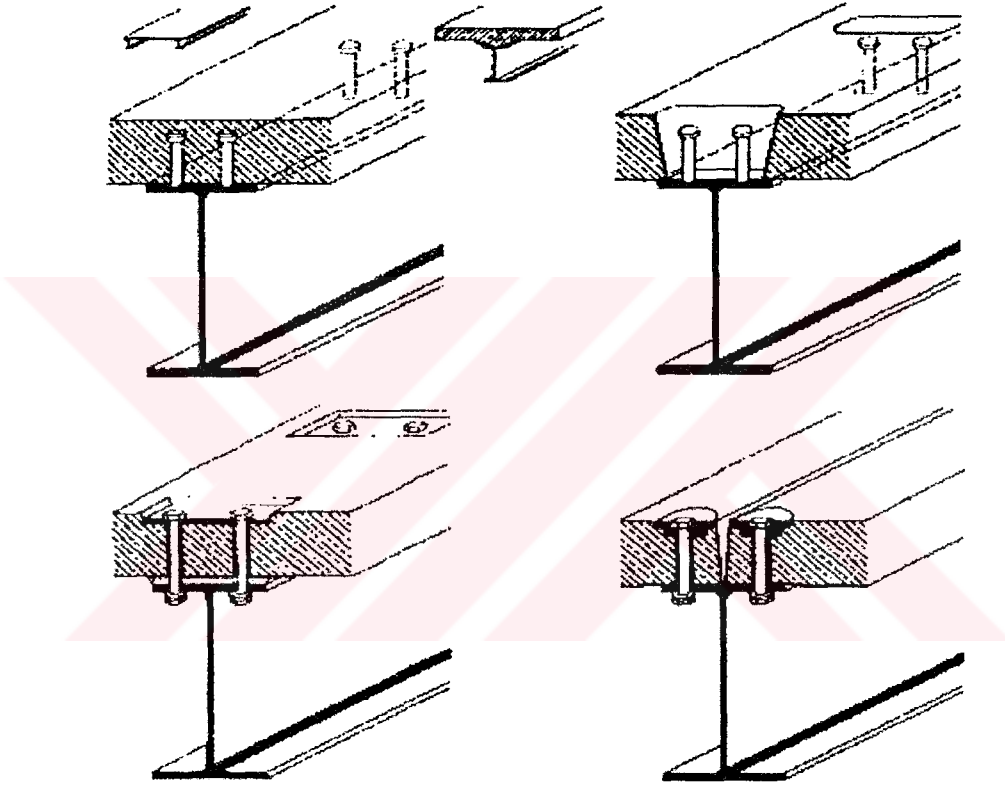


Şekil 4.6 : Üç yönde kiriş sistemi. (Sev, 1997)

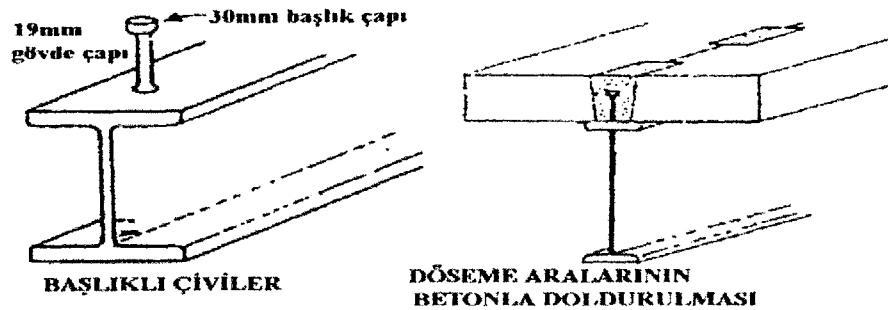
4.3 Kompozit Döşeme Sistemleri.

Kompozit döşeme sistemleri, çelik profillerle betonarme kesitin beraber çalıştığı, t kirişler oluşturmaya yönelik bir taşıyıcı sistem düzenlemesidir. Çelik gövde ve betonarme tablanın birleşimi profil üzerine kaynatılan bağlayıcılar ve bulonlar vasıtasıyla

sağlanmaktadır. Kompozit döşeme sistemleri, malzeme kullanımındaki ekonomikliği, ön yapım sayesinde işgücünden tasarruf, hızlı konstrüksiyon, basit ve sık tekrarlanan bağlantı detayları, strüktürel yüksekliğin azlığı, iç mekanda temiz ve kullanışlı tavan yüzeyleri sağlanması ve deprem kuşağındaki bölgeler için daha hafif bina kütleleri oluşturmaları açısından oldukça avantajlıdır. Kompozit döşeme sistemlerinde döşeme elemanı, düz betonarme döşeme, prekast beton kaplama elemanlarıyla yada üzeri yerinde dökme betonarme ile örtülen döşeme panelleriyle kompozit yada kompozit olmayan bir şekilde çelik tabliyeler oluşturulabilmektedir. (Beedle, 1995)



Şekil 4.7 : Kompozit döşeme şekilleri. (Özgen, 1989)

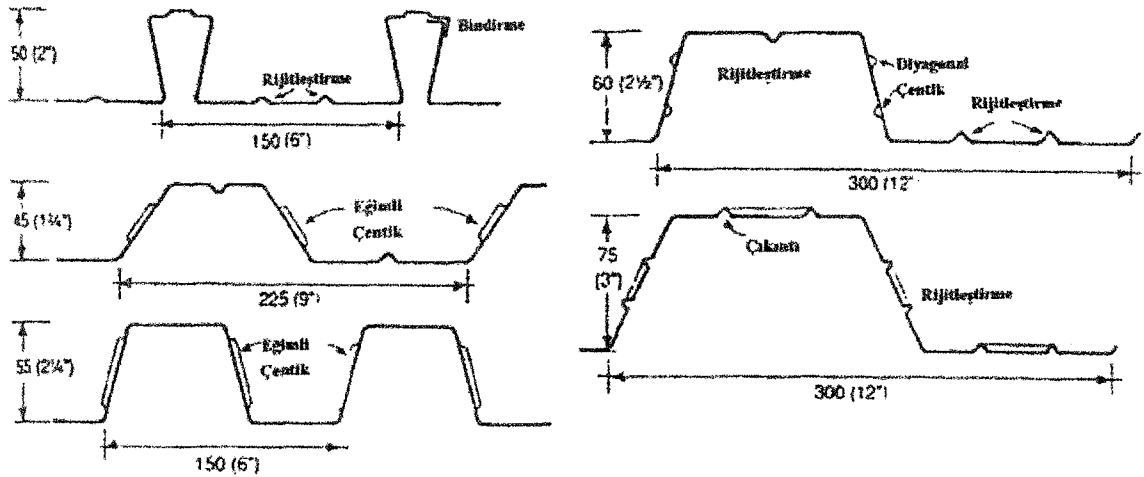
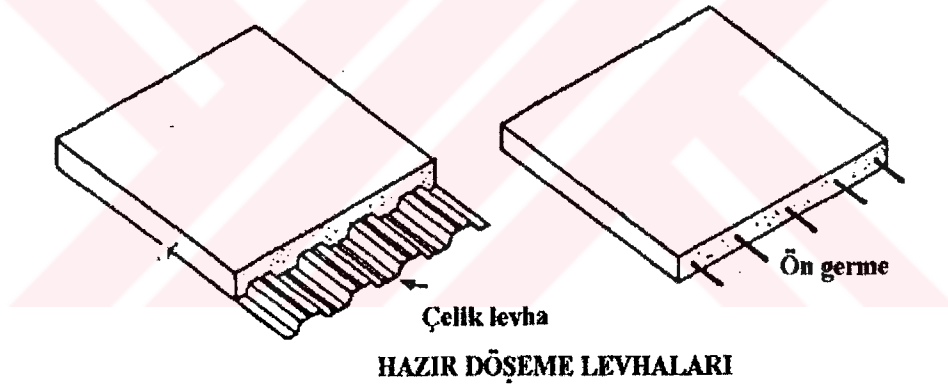


Şekil 4.8 : Kompozit döşemelerin oluşturulması. (Blanc, 1993)

Döşeme ve kiriş elemanlarını kompozit biçimde çalışması için kiriş uçlarına 19 mm.çapında başlıklı çiviler kaynaklanmakta ve üzerleri betonla örtülmektedir.Kesme kuvvetini aktaran bu çiviler, kiriş ve döşeme elemanları arasında yük alışverişini sağlayacak rijitlikte olmalıdırlar.

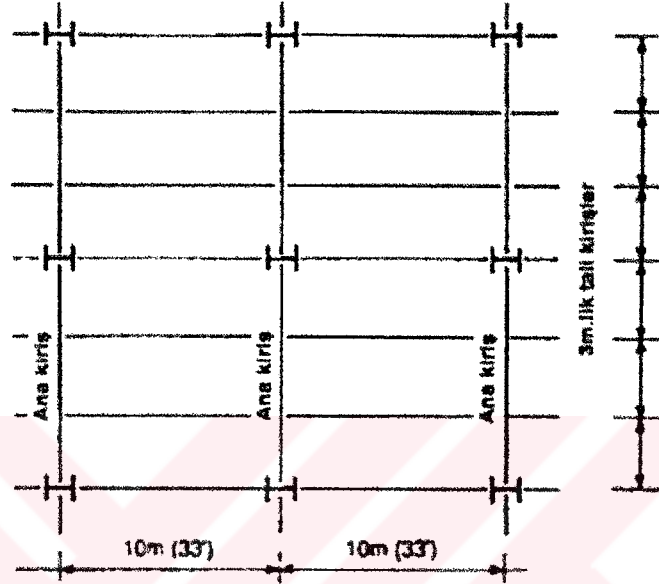
Ön gerilmeli döşemelerin yerleştirilmesi sırasında kiriş üzerine kesikli veya devamlı boşluklar bırakılmalı ve daha sonra bu boşlukların betonla doldurulması suretiyle kiriş ve döşemelerin kompozit davranış gösterecek biçimde birleştirilmesi sağlanmalıdır.

Diğer bir kompozit döşeme sistemide çelik levhaların üzerine beton dökülmesiyle oluşturulan kompozit birleşim şeklidir.kompozit çelik levhali döşemeler, tek doğrultuda çalışan, uygun şekil verilmiş çelik profil levhalar üzerine çelik hasır çubuklar konulması ve beton dökülmesiyle oluşturulur.Bu tip döşemelerde, beton kalınlığı 65-120 mm. Ve uygulanabilir maksimum döşeme açıklığı 3,5 mt civarındadır.Bu tip döşemeler tek yönde çalışmakta olup profil kesitine paralel yöndeki döşeme açıklığı sehimleri azaltmak ve ekonomik bir yapı biçimi oluşturmak amacıyla sınırlandırılmaktadır.



Şekil 4.9 : Döşeme profilleri. (Blanc, 1993)

Çelik profil levhalardan yapılmış döşemelerde açıklıklar, kullanılacak profil tipine ve yüklemelerin şiddetine bağlıdır. Profil kesitine dik yöndeki açıklık 3 mt ile sınırlandırılmış olup Şekil 4.10'daki örnekte görüldüğü üzere profil doğrultusunda 10 m. açıklık elde edilebilmektedir. Çelik levha üzerindeki betonun çatlamaması ve levha ile birlikte çalışması için hasır çelik çubuklar kullanılmalıdır. (Tuncay, 1999)



Şekil 4.10 : Döşeme örneği. (Blanc, 1993)

5. ÇOK KATLI YÜKSEK YAPILARDA BETONARME, ÇELİK ve KOMPOZİT SİSTEMLERİN EKONOMİK AÇIDAN KARŞILAŞTIRILMASI

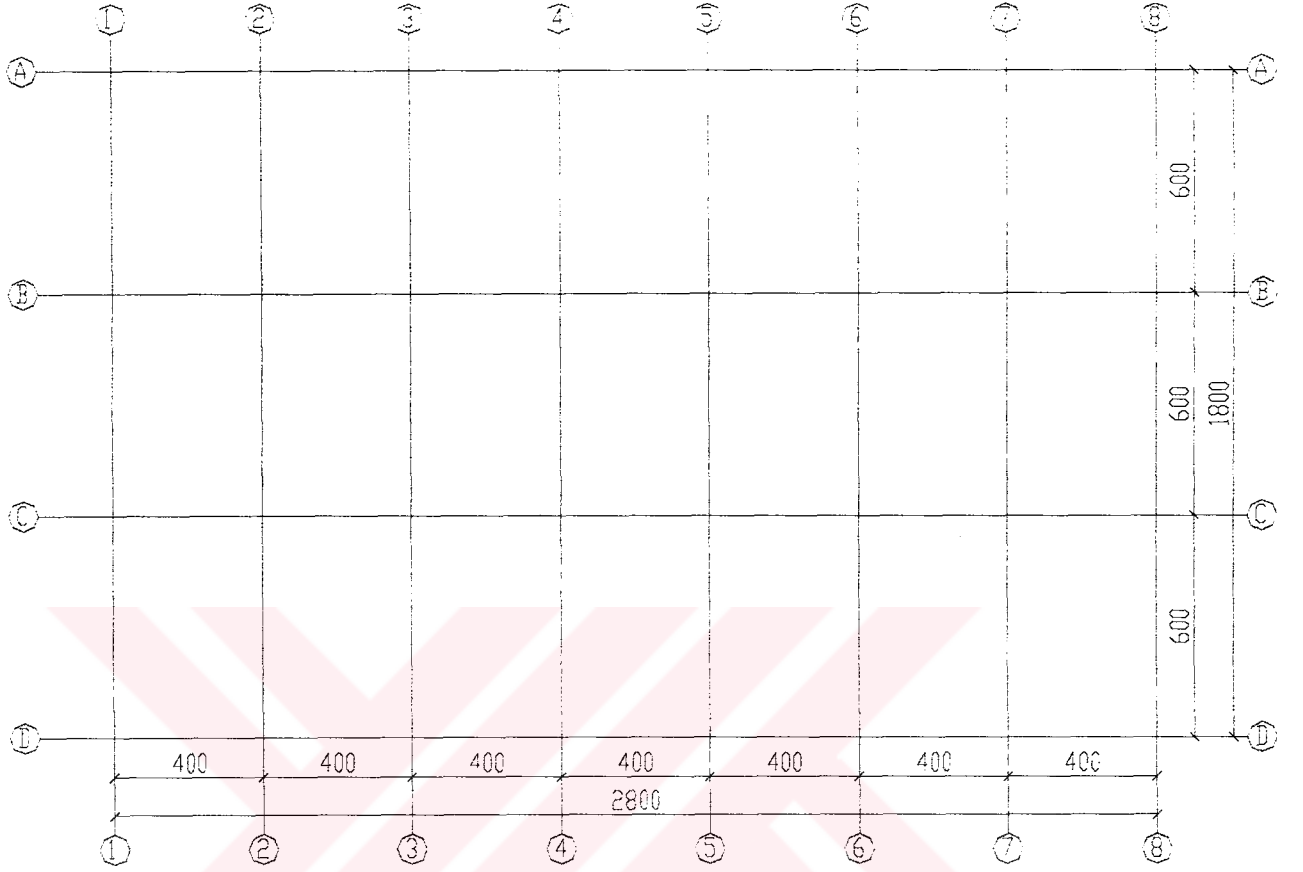
Hazırlanan bu tez çalışmasının özet bölümünde'de anlatıldığı üzere tezin asıl konusu çok katlı yüksek yapılarda betonarme,çelik ve kompozit sistemlerin ekonomik açıdan karşılaştırılması amacını içermektedir.Bu karşılaştırmaya ön bilgi içermesi amacıyla tezin ilk dört bölümünde çok katlı yüksek yapıların tarihçesi,taşıyıcı sistem tasarımı hakkındaki genel prensipler, taşıyıcı sistemlerin sınıflandırılması, çok katlı yapıların maruz kaldığı yük durumları özet biçimde anlatılmıştır.Bu bölümde ise tez çalışmasına esas olan karşılaştırma için x yönünde 4'er metre Y yönünde 6'şar metre aks aralığına sahip toplam 28x18 metre boyutlarında ve 31 metre toplam yüksekliğe sahip büro olarak tasarlanmış bir yapının çözümü ele alınmıştır.Yapının 1.derece deprem bölgesinde olduğu kabul edilmiş,ve ABYYHY 98 'de depreme karşı dayanıklı tasarım kuralları gereği gerekli katsayılar ileriki bölümdeki proje raporlarında sunulmuştur.Yapının betonarme, çelik sistem, kompozit sistemde çözümü yapılmış olup EK 1-2-3'de sırasıyla sunulmuştur.Yapının betonarme çözümünde yatay yüklere karşı rijitliği yüksek olan betonarme perdeler ve çekirdek yapılmış ve sistem deprem yüklerine maruz bırakılarak dizayn edilmiştir.Yapının çelik sistem olarak çözümünde yapının yatay rijitliğini sağlamak amacıyla bina cephesinde ve bina içinde rijitliği yüksek olan çelik çerçevesel diyagonal bağlantı kullanılmıştır.Yapının kompozit sistem olarak çözümünde ise yatay yüklere karşı rijitliği yüksek olan betonarme perdeler kullanılmış düşey yükler ise çelik çerçeveler vasıtasıyla taşınmıştır.

Yapıların hesapları ile ilgili bilgiler ve katsayılar hesap raporlarında detaylı şekilde sunulmuştur.Yapının betonarme tasarımında ve statik ve dinamik analizinde türk mühendislerince yaygın biçimde kullanılan STA4-CAD yapıların bilgisayar destekli betonarme tasarım programı kullanılmıştır.Çelik ve kompozit sistemlerin çözümünde ise SAP2000 statik ve dinamik analiz programı kullanılmıştır.Betonarme,çelik ve kompozit sistemlerin çözümünde düzensizlik kontrolleri ABYYHY 98'e göre hesaplanmış ve hesaplarda gerekli iterasyonlar yapılmış olup raporlarda en son bulunan değerlere yer verilmiştir.

Bölüm 6'da betonarme, çelik ve kompozit sistem olarak dizayn edilmiş olan yapının maliyet analizi yapılmıştır.Bölüm 7'de ise maliyet sonucu ve öneriler sunulmuştur.

5.1 HESABI YAPILAN YAPININ AKS PLANI VE KESİTİ

YAPININ AKS PLANI



9.KAT			300
8.KAT			300
7.KAT			300
6.KAT			300
5.KAT			300
4.KAT			300
3.KAT			300
2.KAT			300
1.KAT			300
ZEMİN			400
			3100

5.2 Yapı Genel Bilgileri.

PROJE İSMİ.....:10 KATLI İŞ MERKEZİ PROJESİ
 KAT ADEDİ.....: 10
 X yönü aks sayısı.....: 13
 Y yönü aks sayısı.....: 8
 ZEMİN EMNİYET GERİLMESİ..... (t/m²)...:30.0
 ZEMİN YATAK KATSAYISI..... (t/m³)...:7000.0
 BETON YOĞUNLUĞU.....(t/m³)...:2.5
 Zemin gerilmesi hareketli yük azaltma değeri...:60
 Zemin gerilmesi deprem azaltması.....:50
 Zemin gerilmesi rüzgar azaltması.....:25

BETON ve ÇELİK MALZEME BİLGİLERİ	Kiriş\Kolon	Döşeme	Temel
Beton dayanım gerilmesi (kg/cm ²)	250	250	250
Çelik akma gerilmesi (kg/cm ²)	4200	4200	4200
Çelik akma gerilmesi (kg/cm ²) (Etriye)	4200		4200

MALZEME:

BETON :BS 25
 ÇELİK :S 420

Karşılaştırılması yapılacak olan yapı İş Merkezi olarak dizayn edilmiş olup Zemin + 9 kattan oluşmaktadır.Zemin kat yüksekliği 4 mt olup diğer katlar 3'er metredir.Bina yüksekliği toplam 31 metre olup taban alanı 18X28=504 M2 'dir.Toplam yapı kullanım alanı 5040M2'dir.Yapının betonarme hesabında ve çelik, kompozit sistem döşeme ve temel hesaplarında BS25 betonu ve BÇ III çeliği kullanılmıştır.Yapının çelik hesabında ST 37 yapısal çelik kullanılmıştır.Yapının temelleri betonarme çözümde kirişli radye olarak yapılmış olup çelik ve kompozit çözümlerde düz radye olarak sonlu elemanlar yöntemiyle hesaplanmıştır.Çelik ve kompozit sistem çözümlerinde birleşimler kaynak olarak hesaplanmıştır.

6. MALİYET ANALİZİ

6.1 Maliyeti Etkileyen Unsurlar

Yapı elemanlarının statik ve dinamik etkilere maruz kalarak boyutlandırılmasından sonra İş merkezi olarak dizayn edilmiş binanın yapı maliyetine etki eden unsurlar aşağıda sıralanmıştır bu unsurlardan bazıları yapı maliyetine direkt etki ederken bazılarının etkisi gözönünde bulundurulmamıştır.

- Betonarme Betonu BS 25
- İnce ve Kalın Nervürlü İnşaat Demiri
- Rendeli Düz Kalıp Yapılması
- Her Türlü Çelik Konstrüksiyon Profili ve Bağlantı Elemanları
- Yapının yangına karşı korunması işçilik+malzeme
- Çelik Yapı Montaj İşçiliği
- Zemin İyileştirmeleri
- Vinçler
- Kompresörler

Yapı metrajları tezin eklerinde her yapı grubunun statik çözümlerinde ek olarak verilmiştir. Aşağıda genel yapı metrajları sunulmuştur.

Betonarme Yapı

Toplam BS 25 Betonu	: 1752.00 M3
Toplam Betonarme Kalıbı	: 11353.00 M2
Toplam BÇ III İnşaat Demiri	: 187.00 Ton

Çelik Yapı

Toplam Yapısal Çelik	: 594,00 Ton
Toplam BS 25 Betonu	: 829.80 M3
Toplam Betonarme Kalıbı	: 4548.00 M2

Toplam BÇ III İnşaat Demiri : 55.10 Ton

Kompozit Yapı

Toplam Yapısal Çelik : 208.30 Ton

Toplam BS 25 Betonu : 1239.80 M3

Toplam Betonarme Kalıbı : 7288.00 M2

Toplam BÇ III İnşaat Demiri : 91.32 Ton

Yapının Birim M2 'si için gerekli malzeme miktarları aşağıda sunulmuştur;

Betonarme Yapı

Toplam BS 25 Betonu : 1752.00 M3 /5040 M2 = 0,347 m3/m2

Toplam Betonarme Kalıbı : 11353.00 M2 /5040 M2 = 2,25 m2/m2

Toplam BÇ III İnşaat Demiri : 187.00 Ton/5040 M2 =37,10 kg/m2

Çelik Yapı

Toplam Yapısal Çelik : 594,00 Ton/5040 M2 =117,85 kg/m2

Toplam BS 25 Betonu : 829.80 M3 /5040 M2 =16,46 m3/m2

Toplam Betonarme Kalıbı : 4548.00 M2 /5040 M2 =0,90 m2/m2

Toplam BÇ III İnşaat Demiri : 55.10 Ton/5040 M2 =10,93 kg/m2

Kompozit Yapı

Toplam Yapısal Çelik : 208.30 Ton/5040 M2 =41,32 kg/m2

Toplam BS 25 Betonu : 1239.80 M3 / 5040 M2 =0,24 m3/m2

Toplam Betonarme Kalıbı : 7288.00 M2/5040 M2 =1,44 m2/m2

Toplam BÇ III İnşaat Demiri : 91.32 Ton/5040 M2 =18,11 kg/m2

Burada metrajlandırılmış olan malzeme miktarları proje ölçülerine göre metrajlandırılmış olup gerçeğe yakın bir maliyet analizi için şantiye çalışması esnasında ortaya çıkacak kayıplar ve metraj safhasında dikkat çekmeyen fakat toplamda maliyete ciddi etkileri olan imalat kalemlerinde etkisi gözönüne alındığında demir miktarlarında %10 kayıp olacağı, yapısal çelik miktarındada katlardaki yatay stabilite bağlantıları, bağ levhaları, bayrak levhaları, kayma kamaları, kompozit döşeme rot ve levhaları, berkitmeler, kesim ve imalat kayıpları gözönüne alındığında %15 oranında'da yapısal çelik metrajını artırmak yerinde olacaktır.

Fiyatların güncelliğini koruması amacıyla fiyatlar dolara endekslenmiş ve yapı maliyetleri

dolar olarak hesaplanmıştır.

Fiyatlar T.C. Bayındırlık ve İskan Bakanlığı'nın Birim Fiyat Tariflerinden alınmıştır.

6.2 Birim Fiyat Tarifleri ve Maliyet Hesabı

1 M3 Beton

Satın alınan ve pompa ile dökülen fabrikasyon hazır beton..

BS 25 (Poz No : 16.059) :32.70 \$ (52.325.816 TL)

1 Ton Demir

0-28 mm Nervürlü çelik çubukların kesilmesi, bükülmesi ve yerine konması(nervürlü)

ST III (Poz No : 23.014) :350.57 \$ (560.912.500 TL)

1 M2 Kalıp Yapılması

Rendeli ve lamba zıvanalı düz yüzeyli çıplak beton ve betonarme kalıbının alınması ve yerine yerleştirilmesi, yerleştirilirken gerekli düşey ve yatay elemanların, desteklerin, kilitlerin kullanılması. (Poz No : 21.015) :12.92 \$ (20.660.000 TL)

1 Ton Yapısal Çelik Konstrüksüyon

Her çeşit profil çubuk ve çelik saçlarla karkas inşaat yapılması, ve yerine tesbiti.

(Poz No:23.101) :769.35 \$(1.230.956.250 TL)

Aşağıda hazırlanan tablo 6.1'de yapının yukarıda anlatılan birim fiyat tariflerine göre maliyet analizleri hazırlanmıştır.Aşağıdaki tablodada görüldüğü üzere Konstrüktif sistem olarak en ekonomik betonarme sistem olmuş daha sonra kompozit sistem ve çelik sistem olduğu görülmüştür.Bölüm 7'de sonuçların detaylı değerlendirilmesi yapılmıştır.

Çizelge 6.1 Yapı Maliyet Analiz Çizelgesi

KONSTRÜKSİYON	BS 25 BETONU (m3)		BÇ III DEMİR (TON)		KALIP YAPILMASI (m2)		ÇELİK KONS.İMALATI (TON)		ToplamYapı Maliyeti	Birim M2 Maliyeti			
	AD.	BR. FIY.	AD.	BR. FIY.	AD.	BR. FIY.	AD.	BR. FIY.					
BETONARME SİSTEM	1752	\$32.70	\$57,290	205.7	\$350.57	\$72,112	11353	\$12.92	\$146,681	\$769.35	\$ -	\$ 276,083	\$ 54.78
ÇELİK SİSTEM	830	\$32.70	\$27,141	60.6	\$350.57	\$21,245	4548	\$12.92	\$58,760	\$769.35	\$525,627.61	\$632,773	\$125.55
KOMPOZİT SİSTEM	1240	\$32.70	\$40,548	100.4	\$350.57	\$35,197	7288	\$12.92	\$94,161	\$769.35	\$184,282.41	\$354,189	\$70.28

7. SONUÇLAR

Önceki bölümlerde'de anlatıldığı üzere bir yapının taşıyıcı sistemin seçilmesi ve tasarlanması aşamasında en önemli etkenlerden birinde sistemin maliyeti olduğu vurgulanmıştır. Fakat bazı durumlarda yapının mimarisi gereği maliyet ikinci aşamada değerlendirilip ekonomi gözardı edilmek sureti ile maliyeti daha yüksek olan taşıyıcı sistemlerde seçilebilmektedir. Bu tez çalışmasında da betonarme, çelik ve kompozit taşıyıcı sistemli yapıların ekonomik olarak değerlendirilmesi yapılmış ve sonuç olarak en ekonomik yapı sistemi ülkemiz şartlarında betonarme sistem olarak gözlenmiştir. Aşağıda bu karşılaştırmadan çıkan sonuçlar yer almaktadır;

- Yapının betonarme olarak dizaynı sonucunda birim M2 maliyeti 54.78 \$ olarak hesaplanmış olup bu değer çelik sistem için 125,55 \$ ve kompozit sistem için 70,28 \$ olan maliyetlerle karşılaştırıldığında betonarme sistemin çelik sisteme göre %56 oranında, kompozit sisteme oranla ise %44 oranında daha ekonomik olduğu sonucuna varılmıştır.
- Betonarme sistemler ülkemizde yaygın olarak kullanılmakta olup betonarme konusunda yetişmiş teknik ve işçi gücü yüksek olduğundan dolayı da betonarme sistem değerlendirilen diğer sistemlere göre uygulanabilirlik açısından daha avantajlıdır.
- Bu sonuçların değerlendirilmesi esnasında betonarme sistemin ekonomik olduğu çok açık olmakla beraber değerlendirilen sistemlerden diğerlerinin de deprem davranışlarında konstrüktif üstünlükleri, yapı ağırlığının düşüklüğü nedeni dolayısı ile taşıma gücü düşük zeminlerde daha ekonomik olarak yapılması gibi özelliklerinin de gözardı edilmemesi gerekmektedir.
- Ülkemizin etkin bir deprem kuşağında yer alması dolayısı ile Çelik ve kompozit sistemlerin deprem davranışlarındaki faydalarından yararlanılması gerekmektedir.
- Tez çalışması sırasında ele alınan 10 katlı sistemin benzeri sistemler ülkemizde genellikle betonarme yapılmakla beraber ülkemizde henüz örnekleri bulunmayan 50-60 katın üzerindeki yapıların dünyadaki bir çok örneklerinin çelik ve kompozit sistem olarak yapıldığı gözönüne alınmalıdır.

Çelik ve kompozit sistemlerin betonarme sisteme göre daha hızlı montajı sağlanmakta olup çelik ve kompozit sistemlerde yapının ekonomik olarak hayata geçişi hızlandırılabilen ve böylece bazı durumlarda çelik sistemler daha avantajlı olabilmektedirler.

KAYNAKLAR

ABYYHY 97, (1997), "Afet Bölgelerinde Yapılacak Yapılar Hakkında Yönetmelik", İMO, İzmir

Arda, T. S., Yardımcı, N., (2000), "Çelik Yapıda Karma Elemanların Plastik Hesabı", Birsen Yayınevi, İstanbul

Beedle, L.S., Rice, D.B., (1995), "Structural Systems For Tall Buildings", Mc Graw Hill, New York

Blanc, A., Mc Evoy, M., Plank, R., (1993), "Architecture and Construction in Steel" , E&FN Spon, London

Celep,Z., Kumbasar, N., (1998), "Betonarme Yapılar", Beta Yayınevi, İstanbul

Celep,Z., Kumbasar, N., (2000), "Deprem Mühendisliğine Giriş ve Depreme Dayanıklı Yapı Tasarımı", Beta Yayınevi, İstanbul

Christiansen, J.V., (1973), "Structures en Betonarme Coule en Place", System de Structures Commission, Paris

Çakıroğlu, A., (1979), "Yatay Yükleri Taşıyan Yapı Elemanları", İTÜ İnşaat Fakültesi Yayınları, İstanbul

Çamlıbel, N., (1994), "Depreme Dayanıklı Yapıların Tasarım İlkeleri", YTÜ Mimarlık Fakültesi Baskı İşçiliği, İstanbul

Duman, N., Özgen, K., (1973), "Çelik Yapılar", İTÜ Mimarlık Fakültesi Yayınları, İstanbul

Erşen N., (2000), "Çelik Yapılar ve Çözümlemiş Problemler", Birsen Yayınevi, İstanbul

Frischmann, W.W., Prabhu, S.S., (1967), "Planning Concepts Using Shear Walls", Pergamon Press, London

Guise, D., (1985), "Design and Technology in Architecture", John Wiley & Sons, New York

Karaduman, M., (1999), "Çelik Yapılar", Nobel Yayın Dağıtım, Ankara

Odabaşı, Y., (1997), "Ahşap ve Çelik Yapı Elemanları", Beta Yayınevi, İstanbul

Özgen, A., Sev, A., (2000), "Çok Katlı Yüksek Yapılarda Taşıyıcı Sistemler", Birsen Yayınevi, İstanbul

Özgen, A., (1989), "Yüksek Yapılarda Tübüler Taşıyıcı Sistemlerin Kullanılması", Yüksek Yapılar Sempozyumu, İstanbul

Özden K., Kumbasar N., (1993), "Betonarme Yüksek Binalar", İTÜ Matbaası, İstanbul

Öztürk, Z., (2002), "Çelik Yapılar", Birsen Yayınevi, İstanbul

Schueller, W., (1977), "High Rise Building Structures", John Wiley&Sons,
Çeviri;Ö.G.Özşen, E.F. Yamantürk, (1993) "Yüksek Yapı Taşıyıcı Sistemleri", YTÜ Mimarlık Fakültesi Yayınları, İstanbul

Sev, A., (1997), "Türkiye'de Gerçekleştirilen Yüksek Konut Binalarında Perdeli Sistem Uygulama Örneklerinin İncelenmesi", Y.Lisans Tezi, MSÜ Fen Bilimleri Enstitüsü, İstanbul

Smith, B.S., Coull, A., (1991), "Tall Building Structures Analysis and Design", John Wiley&Sons, New York

Tall, L., Beedle, L.S., Galambos, T.V., (1964), "Structural Steel Design", The Ronald Press Company, New York

Taranath, B.S., (1990), "Steel, Concrete and Composite Design of Tall Buildings", McGraw Hill, New York

Taranath B.S., (1988), "Structural Analysis and Design of Tall Buildings", McGraw Hill, New York

TS 500, (2000), "Betonarme Yapıların Tasarım ve Yapım Kuralları", TSE, Ankara

TS 498, "Yapı Elemanlarının Boyutlandırılmasında Alınacak Yüklerin Hesap Değerleri", TSE, Ankara

TS 648, (1980), "Çelik Yapıların Yapım ve Hesap Kuralları", TSE, Ankara

TS 4561, (1985), "Çelik Yapıların Plastik Teoriye Göre Hesap Kuralları", TSE, Ankara

TS 3357, (1979), "Çelik Yapılarda Kaynaklı Birleşimlerin Hesap ve Yapım Kuralları", TSE, Ankara

Tuncay, N., (1999), "Çok Katlı Çelik Yapılarda Ekonomik Taşıyıcı Sistem Tasarımı", Y.T.Ü Fen B., Y.Lisans Tezi, İstanbul

Uluğ, N., Odabaşı, Y., (1966), "Ahşap ve Çelik İnşaat Hesapları", Arı Kitabevi, İstanbul

EK 1 - SİSTEMİN BETONARME ANALİZİ VE ÇİZİMLER

STAA-CAD PROGRAMI

ÇOK KATLI BETONARME YAPILARIN STATİK ve BETONARME ANALİZ PROGRAMI Ver.9.0

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 ZEMİN EMNİYET GERİLMESİ..... (t/m²)...:30.0
 ZEMİN YATAK KATSAYISI..... (t/m²)...:7000.0
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 BETONARME HESAP YÖNTEMİ.....:TAŞIMA GÜCÜ YÖNTEMİ (TS 500, 2000)
 BETONARME KESİT DORATI HESAP YÖNTEMİ.....:BRÜT KESİTE GÖRE
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 Kırış & Kolon rijitlik bölgesi opsiyonu.....: Yarım Rijit davranış
 Kiriş uçlarında elastik ankastrelik opsiyonu : Elastik ankastre

BETON ve ÇELİK MALZEME BİLGİLERİ	Kiriş\Kolon	Döşeme	Temel
Beton dayanım gerilmesi (kg/cm ²)	250	250	250
Çelik akma gerilmesi (kg/cm ²)	4200	4200	4200
Çelik akma gerilmesi (kg/cm ²) (Etriye)	4200		4200

TAŞIMA GÜCÜ MALZEME KATSAYILARI	BETON	ÇELİK
	1.50	1.15
TAŞIMA GÜCÜ YÜK KATSAYILARI	SABİT YÜK	HAREKETLİ YÜK
	1.40	1.60

ELASTİSİTE MODÜLÜ (kg/cm²)

BS25	E1= 302500	G1= 121000
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BETONARME HESAP YÜK KOMBİNASYONU

Ölü yük C _g	Hareketli yük C _q	Zemin C _s	Deprem ± C _e	Rüzgar ± C _w
1.40	1.60	0.00	0.00	0.00
1.40	1.60	1.60	0.00	0.00
1.40	0.00	0.00	0.00	0.00
1.00	1.00	0.00	1.00	0.00
1.00	1.00	1.00	1.00	0.00
0.90	0.90	0.00	1.00	0.00
1.00	1.30	0.00	0.00	1.30
1.00	1.30	1.00	0.00	1.30
0.90	0.00	0.00	0.00	1.30
0.90	0.00	0.90	0.00	1.30

CODE: TSS00T.COD

ZEMİN GERİLMESİ YÜK KOMBİNASYONU

Ölü yük C _g	Hareketli yük C _q	Zemin C _s	Deprem ± C _e	Rüzgar ± C _w
1.00	1.00	0.00	0.00	0.00
1.00	1.00	1.00	0.00	0.00
0.67	0.67	0.67	0.67	0.00
0.80	0.00	0.80	0.00	0.80

ZEMİN GERİLMESİ HAREKETLİ YÜK AZALTIMA DEĞERLERİ

Kat	1	2	3	4	5	6	7	8	9	10
Eksiltme %				20	40	60	80	80	80	40

YAPI AKS BİLGİLERİ

X yönü aks bilgileri

no	isim	Ax	Bx
1	1	0.00	0.00
2	2	0.00	4.00
3	3	0.00	8.00
4	4	0.00	12.00
5	5	0.00	16.00
6	6	0.00	20.00
7	7	0.00	24.00
8	8	0.00	28.00
9	9	0.00	14.00
10	10	0.00	13.00
11	11	0.00	15.00
12		0.00	28.50
13		0.00	-0.50

Y yönü aks bilgileri

no	isim	Ay	By
1	A	0.00	0.00
2	B	0.00	6.00
3	C	0.00	12.00
4	D	0.00	18.00
5	E	0.00	2.85
6	F	0.00	15.15
7		0.00	18.50
8		0.00	-0.50

1. KAT KOLONLARI AKS BİLGİLERİ

Kolon no	X aksı	Y aksı	dx	dy	alt yük.
101	1	1	-0.1	-0.1	0.00
103	4	1	0.0	-0.1	0.00
105	6	1	0.0	-0.1	0.00
107	1	2	-0.1	0.0	0.00
109	3	2	0.0	0.0	0.00
111	6	2	0.0	0.0	0.00
113	8	2	0.1	0.0	0.00
115	2	3	0.0	0.0	0.00
117	6	3	0.0	0.0	0.00
119	8	3	0.1	0.0	0.00
121	3	4	0.0	0.1	0.00
123	5	4	0.0	0.1	0.00
125	8	4	0.1	0.1	0.00

Kolon no	X aksı	Y aksı	dx	dy	alt yük.
102	3	1	0.0	-0.1	0.00
104	5	1	0.0	-0.1	0.00
106	8	1	1.0	-1.1	0.00
108	2	2	0.0	0.0	0.00
110	9	2	0.0	0.0	0.00
112	7	2	0.0	0.0	0.00
114	1	3	-0.1	0.0	0.00
116	3	3	0.0	0.0	0.00
118	7	3	0.0	0.0	0.00
120	1	4	-0.1	0.1	0.00
122	4	4	0.0	0.1	0.00
124	6	4	0.0	0.1	0.00

DEPREM RAPORU

Deprem yükü aksantirisitesi : 0.050
 Dinamik Analiz min. deprem yükü oranı β : 0.9

DİNAMİK ANALİZ BİLGİLERİ
 TASARIM SPECTRUM BİLGİSİ

T (s)	Sa (m/s ²) Ao.I.S(t)
0.00	4.000
0.15	10.000
0.40	10.000
0.50	8.364
0.60	7.228
0.70	6.392
0.80	5.744
0.90	5.228
1.00	4.804
1.10	4.452
1.20	4.152
1.30	3.896
1.40	3.672
1.50	3.472
1.60	3.300
1.70	3.144
1.80	3.004
1.90	2.876
2.00	2.800
5.00	2.800

MODAL ANALİZ - YAPI PERİYOD ve VEKTÖRLERİ

Mod w T yon	1.mod 11.12 0.5652 x	2.mod 11.20 0.5611 y	3.mod 13.01 0.4831 b	4.mod 47.52 0.1322 y	5.mod 48.20 0.1304 x	6.mod 53.79 0.1168 b	7.mod 108.75 0.0578 y	8.mod 113.65 0.0553 x	9.mod 126.10 0.0498 b
1x	0.00949	0.00000	0.00009	0.00000	0.04820	-0.00019	0.00000	0.11225	-0.00088
2x	0.02459	-0.00001	0.00023	0.00001	0.10241	-0.00038	0.00000	0.18354	-0.00137
3x	0.04474	-0.00002	0.00041	0.00001	0.15124	-0.00056	0.00000	0.18345	-0.00134
4x	0.06849	-0.00003	0.00060	0.00001	0.18005	-0.00068	0.00000	0.10404	-0.00076
5x	0.09487	-0.00005	0.00080	0.00001	0.17933	-0.00071	0.00000	-0.02082	0.00013
6x	0.12263	-0.00006	0.00100	0.00001	0.14555	-0.00062	0.00000	-0.13014	0.00092
7x	0.15092	-0.00008	0.00119	0.00001	0.08141	-0.00041	0.00000	-0.16913	0.00122
8x	0.17910	-0.00009	0.00137	0.00000	-0.00537	-0.00010	0.00000	-0.11485	0.00087
9x	0.20698	-0.00010	0.00152	-0.00001	-0.10522	0.00032	0.00000	0.01548	-0.00006
10x	0.23419	-0.00012	0.00165	-0.00001	-0.20695	0.00082	0.00000	0.17325	-0.00129
1y	0.00000	0.01003	0.00000	0.03104	0.00000	0.00000	0.11468	0.00000	0.00000
2y	0.00001	0.02555	0.00000	0.10635	-0.00001	0.00000	0.18529	0.00000	0.00000
3y	0.00002	0.04594	0.00001	0.15434	-0.00001	0.00000	0.18098	0.00000	0.00000
4y	0.00003	0.06977	0.00001	0.18118	-0.00001	0.00000	0.09775	0.00000	0.00000
5y	0.00005	0.09606	0.00001	0.17811	-0.00001	0.00000	-0.02806	0.00000	0.00000
6y	0.00006	0.12359	0.00001	0.14232	-0.00001	0.00000	-0.13482	0.00000	0.00000
7y	0.00008	0.15150	0.00002	0.07714	-0.00001	0.00000	-0.16913	0.00000	0.00000
8y	0.00009	0.17914	0.00002	-0.00923	0.00000	0.00000	-0.11088	0.00000	0.00000
9y	0.00010	0.20631	0.00002	-0.10694	0.00001	0.00000	0.01995	0.00000	0.00000
10y	0.00012	0.23260	0.00002	-0.20471	0.00001	0.00000	0.17356	0.00000	0.00000
1b	-0.00001	0.00000	0.00104	0.00000	0.00002	0.00487	0.00000	0.00008	0.01121
2b	-0.00002	0.00000	0.00268	0.00000	0.00004	0.01054	0.00000	0.00013	0.01886
3b	-0.00003	0.00000	0.00485	0.00000	0.00006	0.01568	0.00000	0.00014	0.01915
4b	-0.00005	0.00000	0.00737	0.00000	0.00007	0.01869	0.00000	0.00008	0.01107
5b	-0.00007	0.00000	0.01013	0.00000	0.00007	0.01858	0.00000	-0.00002	-0.00194
6b	-0.00009	0.00000	0.01298	0.00000	0.00005	0.01499	0.00000	-0.00010	-0.01349
7b	-0.00012	0.00000	0.01585	0.00000	0.00002	0.00822	0.00000	-0.00013	-0.01771
8b	-0.00014	0.00000	0.01865	0.00000	-0.00001	-0.00087	0.00000	-0.00009	-0.01212
9b	-0.00017	0.00000	0.02139	0.00000	-0.00005	-0.01128	0.00000	0.00002	0.00156
10b	-0.00019	0.00000	0.02403	0.00000	-0.00009	-0.02182	0.00000	0.00014	0.01825
Mxr%	69.354	0.000	0.004	0.000	18.893	0.000	0.000	6.736	0.000
Myr%	0.000	69.927	0.000	18.852	0.000	0.000	6.444	0.000	0.000
Mbr%	0.004	0.000	70.285	0.000	0.000	17.806	0.000	0.000	6.632

$\Sigma = 95.0$
 $\Sigma = 95.2$

$M_{xr} = \Sigma[(\Sigma m_i \cdot e_i)^2 / M_{xr}] = 494.99 > 490.00$ Dinamik kütle oranı yeterli. ✓
 $M_{yr} = \Sigma[(\Sigma m_i \cdot e_i)^2 / M_{yr}] = 495.22 > 490.00$ Dinamik kütle oranı yeterli. ✓

EŞDEĞER DEPREM HESABI 1. DOĞAL TİTREŞİM PERİYODUNUN KONTROLÜ

$H_n = \frac{m \cdot \Sigma A_{tx} = \Sigma A_{ty} = \Sigma C_{ty} = \Sigma C_{tx} = 3/4$
 $T_{lx} = C_{tx} \cdot H_n = \frac{3}{4} s. < 1.0$ $T_{lx} = s. \checkmark$
 $T_{ly} = C_{ty} \cdot H_n = \frac{3}{4} s. < 1.0$ $T_{ly} = s. \checkmark$

KAT KÜTLELERİ ve RİJİTLİK MERKEZİ (t)

Kat no	H (m)	W _g	W _q	X _g (m)	X _r (m)	Y _g (m)	Y _r (m)	ΣW _k
1	4.00	555.35	176.85	14.00	14.00	8.98	8.86	608.405
2	7.00	505.30	176.85	14.00	14.00	8.99	8.86	558.355
3	10.00	505.30	176.85	14.00	14.00	8.99	8.86	558.355
4	13.00	505.30	176.85	14.00	14.00	8.99	8.86	558.355
5	16.00	496.27	176.60	14.00	14.00	8.99	8.86	549.252
6	19.00	496.27	176.60	14.00	14.00	8.99	8.86	549.252
7	22.00	496.27	176.60	14.00	14.00	8.99	8.86	549.252
8	25.00	496.27	176.60	14.00	14.00	8.99	8.86	549.252
9	28.00	488.44	176.89	14.00	14.00	8.99	8.85	541.504
10	31.00	510.07	82.72	14.00	14.00	8.99	8.85	534.891

ΣW_t = 5556.873

DEPREM KUVVETİ (t)

Deprem tepe yükü F_{tx} = 23.82 F_{ty} = 23.78 (t)

Kat no	X YÖNÜ			Y YÖNÜ			Kat tipi
	Modal Analiz	Eşdeğer dep.yön.	Deprem yükü	Modal Analiz	Eşdeğer dep.yön.	Deprem yükü	
1	12.815	14.662	15.346	12.811	14.752	15.279	NORMAL
2	18.596	23.548	22.270	18.857	23.693	22.490	NORMAL
3	24.663	33.639	29.535	25.046	33.847	29.871	NORMAL
4	30.202	43.731	36.169	30.668	44.000	36.576	NORMAL
5	35.214	52.945	42.170	35.741	53.272	42.626	NORMAL
6	41.329	62.873	49.494	41.946	63.260	50.026	NORMAL
7	48.841	72.800	58.490	49.609	73.248	59.165	NORMAL
8	59.042	82.727	70.706	60.120	83.237	71.701	NORMAL
9	75.482	91.347	90.394	76.506	91.910	91.243	NORMAL
10	106.232	123.719	127.219	105.641	124.299	125.991	ÜST KAT
Σ	452.417	601.992	541.792	456.946	605.518	544.966	GENEL

Vt=W.A(t)/Ra(t) > 0,10. Ao.I.W 601.99 , 605.52 > 222.27
 X Deprem kontrol: 0.90 x 601.992 = 541.792 > 452.417 >>> 541.792
 Y Deprem kontrol: 0.90 x 605.518 = 544.966 > 456.946 >>> 544.966

Rüzgar kuvvetleri (t)

Kat no	X-yönü F	X-yönü ey m	Y-yönü F	Y-yönü ex m
1	4.320	14.000	6.720	9.000
2	3.240	14.000	5.040	9.000
3	5.184	14.000	8.064	9.000
4	5.184	14.000	8.064	9.000
5	5.184	14.000	8.064	9.000
6	5.184	14.000	8.064	9.000
7	7.128	14.000	11.088	9.000
8	7.128	14.000	11.088	9.000
9	7.128	14.000	11.088	9.000
10	7.128	14.000	11.088	9.000

Kat Deprem deplasmanları

Kat no	9. yükleme		10. yükleme		11. yükleme		12. yükleme	
	δx (m)	θx (rad)	δx (m)	θx (rad)	δy (m)	θz (rad)	δy (m)	θz (rad)
1	0.0006428	0.0000054	0.0006429	-0.000004	-0.000672	-0.000007	-0.000672	0.0000073
2	0.0016568	0.0000140	0.0016570	-0.000010	-0.001703	-0.000019	-0.001703	0.0000192
3	0.0030033	0.0000251	0.0030038	-0.000019	-0.003051	-0.000034	-0.003051	0.0000347
4	0.0045873	0.0000380	0.0045884	-0.000029	-0.004623	-0.000032	-0.004623	0.0000326
5	0.0063463	0.0000521	0.0063480	-0.000040	-0.006357	-0.000072	-0.006357	0.0000722
6	0.0082025	0.0000666	0.0082050	-0.000052	-0.008177	-0.000092	-0.008178	0.0000926
7	0.0101035	0.0000813	0.0101070	-0.000063	-0.010033	-0.000113	-0.010033	0.0001132
8	0.0120077	0.0000957	0.0120122	-0.000075	-0.011882	-0.000133	-0.011882	0.0001335
9	0.0139035	0.0001098	0.0139092	-0.000086	-0.013711	-0.000153	-0.013711	0.0001534
10	0.0157596	0.0001234	0.0157667	-0.000097	-0.015487	-0.000172	-0.015487	0.0001727

Deprem yapı salınımı: x= 0.00051 y= 0.00050

DEPREM PERDELERİ TABAN MOMENT KONTROLÜ

Kat deprem momenti (tm)

Kat	H (m)	Fx	Fx . H	Fy	Fy . H
1	4.00	15.35	61.39	15.28	61.12
2	7.00	22.27	155.89	22.49	157.43
3	10.00	29.53	295.35	29.87	298.71
4	13.00	36.17	470.19	36.58	475.48
5	16.00	42.17	674.72	42.63	682.02
6	19.00	49.49	940.38	50.03	950.49
7	22.00	58.49	1286.77	59.16	1301.62
8	25.00	70.71	1767.66	71.70	1792.53
9	28.00	90.39	2531.03	91.24	2554.81
10	31.00	127.22	3943.78	125.99	3905.71

M_{ix}= 12127.16 M_{iy}= 12179.90

Perde taban momenti (tm)

M : Perde ve Panel deprem momenti

ΣM_x : Perdelerde; bağlı olduğu kirişlerin deprem momentlerinin toplamı
 Panellerde ise; başlık kolonlarından oluşan deprem momentlerinin toplamıdır.

Perde	M _x	ΣM _{xk} =	ΣM _{xr}	M _y	ΣM _{yk} =	ΣM _{yr}
SZ01	718.12	210.09	928.21	321.40	268.23	589.63
SZ06	718.12	210.06	928.18	491.32	356.55	847.87
SZ10	3583.42	708.22	4291.64	5181.70	679.23	5860.93
SZ20	892.98	240.48	1133.46	320.52	268.26	588.78
SZ25	892.98	240.48	1133.46	492.20	356.33	848.53

TOPLAM 6805.61 8414.95 6807.14 8735.73

X yönü em = 8414.95 / 12127.16 = 0.69

Y yönü em = 8735.73 / 12179.9 = 0.72

YÜKSEK SÜNEKLİ YAPILARDA; R=7 olmalıdır.

Normal sünekli KARMA YAPI için em = .69 > .67, R=6 alınabilir.

Perde taban kesme kuvveti oranı :

X yönü V_m = 507.78 / 541.79 = 0.94

Y yönü V_m = 507.02 / 544.97 = 0.93

DEPREMDE YAPI DÜZENSİZLİKLERİNİN KONTROLÜ

A1, B2 düzensizliklerinin kontrolü

max(di/hi) = 0.0035, 0.02/R = 0.029

1. kat X dıst = -.0006428 + -.0000054 x (.2 - 8.86) = -.00069 (S102)

1. kat X dalt = -.0006428 + -.0000054 x (17.8 - 8.86) = -.0005942 (S121)

2. kat X dust = $-0.0016568 + -0.000014 \times (.2 - 8.86) - -0.00069 = -0.0010879$ (s207)
 2. kat X dalt = $-0.0016568 + -0.000014 \times (17.8 - 8.86) - -0.0005942 = -0.0009377$ (s213)

Görelî kat ötelemesi kontrolü
 X YÖNÜ (+45)

Kat	(di) max (m)	(Ai) max (m)	(Ai) max/hi	<veya>	Kontrol	kat tipi
1	-0.0006900	0.0006900	0.0001725	<	0.02/R veya 0.0035	Normal kat
2	-0.0017779	0.0010879	0.0003626	<	0.02/R veya 0.0035	Normal kat
3	-0.0032210	0.0014431	0.0004810	<	0.02/R veya 0.0035	Normal kat
4	-0.0049166	0.0016956	0.0005652	<	0.02/R veya 0.0035	Normal kat
5	-0.0067985	0.0018810	0.0006270	<	0.02/R veya 0.0035	Normal kat
6	-0.0087812	0.0019827	0.0006609	<	0.02/R veya 0.0035	Normal kat
7	-0.0108094	0.0020282	0.0006761	<	0.02/R veya 0.0035	Normal kat
8	-0.0128385	0.0020291	0.0006764	<	0.02/R veya 0.0035	Normal kat
9	-0.0148592	0.0020183	0.0006728	<	0.02/R veya 0.0035	Normal kat
10	-0.0168331	0.0019739	0.0006580	<	0.02/R veya 0.0035	Normal kat

X YÖNÜ (-45)

Kat	(di) max (m)	(Ai) max (m)	(Ai) max/hi	<veya>	Kontrol	kat tipi
1	-0.0006796	0.0006796	0.0001699	<	0.02/R veya 0.0035	Normal kat
2	-0.0017522	0.0010725	0.0003575	<	0.02/R veya 0.0035	Normal kat
3	-0.0031761	0.0014239	0.0004746	<	0.02/R veya 0.0035	Normal kat
4	-0.0048507	0.0016746	0.0005582	<	0.02/R veya 0.0035	Normal kat
5	-0.0067102	0.0018588	0.0006196	<	0.02/R veya 0.0035	Normal kat
6	-0.0086709	0.0019607	0.0006536	<	0.02/R veya 0.0035	Normal kat
7	-0.0106781	0.0020071	0.0006690	<	0.02/R veya 0.0035	Normal kat
8	-0.0126876	0.0020095	0.0006698	<	0.02/R veya 0.0035	Normal kat
9	-0.0146899	0.0020005	0.0006668	<	0.02/R veya 0.0035	Normal kat
10	-0.0166481	0.0019581	0.0006527	<	0.02/R veya 0.0035	Normal kat

Y YÖNÜ (+45)

Kat	(di) max (m)	(Ai) max (m)	(Ai) max/hi	<veya>	Kontrol	kat tipi
1	0.0007755	0.0007755	0.0001939	<	0.02/R veya 0.0035	Normal kat
2	0.0019690	0.0011936	0.0003979	<	0.02/R veya 0.0035	Normal kat
3	0.0035307	0.0015616	0.0005205	<	0.02/R veya 0.0035	Normal kat
4	0.0053502	0.0018196	0.0006065	<	0.02/R veya 0.0035	Normal kat
5	0.0073568	0.0020052	0.0006684	<	0.02/R veya 0.0035	Normal kat
6	0.0094592	0.0021025	0.0007008	<	0.02/R veya 0.0035	Normal kat
7	0.0115994	0.0021401	0.0007134	<	0.02/R veya 0.0035	Normal kat
8	0.0137286	0.0021292	0.0007097	<	0.02/R veya 0.0035	Normal kat
9	0.0158376	0.0021057	0.0007019	<	0.02/R veya 0.0035	Normal kat
10	0.0178806	0.0020429	0.0006810	<	0.02/R veya 0.0035	Normal kat

Y YÖNÜ (-45)

Kat	(di) max (m)	(Ai) max (m)	(Ai) max/hi	<veya>	Kontrol	kat tipi
1	0.0007754	0.0007754	0.0001938	<	0.02/R veya 0.0035	Normal kat
2	0.0019688	0.0011934	0.0003978	<	0.02/R veya 0.0035	Normal kat
3	0.0035303	0.0015615	0.0005205	<	0.02/R veya 0.0035	Normal kat
4	0.0053496	0.0018194	0.0006065	<	0.02/R veya 0.0035	Normal kat
5	0.0073560	0.0020051	0.0006684	<	0.02/R veya 0.0035	Normal kat
6	0.0094583	0.0021023	0.0007008	<	0.02/R veya 0.0035	Normal kat
7	0.0115983	0.0021400	0.0007133	<	0.02/R veya 0.0035	Normal kat
8	0.0137275	0.0021291	0.0007097	<	0.02/R veya 0.0035	Normal kat
9	0.0158365	0.0021057	0.0007019	<	0.02/R veya 0.0035	Normal kat
10	0.0178793	0.0020429	0.0006810	<	0.02/R veya 0.0035	Normal kat

A1 - Burulma düzensizliği kontrolü
 X YÖNÜ (+45)

Kat	(di) min (m)	(di) max (m)	(Ai) max (m)	(Ai) ort (m)	nbi	ek dış merkezlik	θi	kat tipi
1	-0.0005942	-0.0006900	0.0006900	0.0006421	1.07	0.047315	0.00165	Normal kat
2	-0.0015318	-0.0017779	0.0010879	0.0010128	1.07	0.047306	0.00317	Normal kat
3	-0.0027786	-0.0032210	0.0014431	0.0013449	1.07	0.047280	0.00390	Normal kat
4	-0.0042475	-0.0049166	0.0016956	0.0015822	1.07	0.047251	0.00426	Normal kat
5	-0.0058794	-0.0067985	0.0018810	0.0017569	1.07	0.047228	0.00437	Normal kat
6	-0.0076050	-0.0087812	0.0019827	0.0018542	1.07	0.047199	0.00425	Normal kat
7	-0.0093748	-0.0108094	0.0020282	0.0018990	1.07	0.047171	0.00397	Normal kat
8	-0.0111497	-0.0128385	0.0020291	0.0019020	1.07	0.047144	0.00357	Normal kat
9	-0.0129158	-0.0148592	0.0020183	0.0018934	1.07	0.047125	0.00312	Normal kat
10	-0.0146486	-0.0168331	0.0019739	0.0018534	1.07	0.047105	0.00260	Normal kat

X YÖNÜ (-45)

Kat	(di)min (m)	(di)max (m)	(Ai)max (m)	(Ai)ort (m)	nbi	ek dış merkezlik	θi	kat tipi
1	-0.0006073	-0.0006796	0.0006796	0.0006435	1.06	0.046909	0.00165	Normal kat
2	-0.0015648	-0.0017522	0.0010725	0.0010151	1.06	0.046919	0.00318	Normal kat
3	-0.0028369	-0.0031761	0.0014239	0.0013480	1.06	0.046911	0.00391	Normal kat
4	-0.0043343	-0.0048507	0.0016746	0.0015860	1.06	0.046901	0.00427	Normal kat
5	-0.0059972	-0.0067102	0.0018588	0.0017612	1.06	0.046891	0.00438	Normal kat
6	-0.0077538	-0.0086709	0.0019607	0.0018586	1.05	0.046880	0.00426	Normal kat
7	-0.0095539	-0.0106781	0.0020071	0.0019036	1.05	0.046868	0.00398	Normal kat
8	-0.0113582	-0.0126876	0.0020095	0.0019069	1.05	0.046856	0.00358	Normal kat
9	-0.0131538	-0.0146899	0.0020005	0.0018990	1.05	0.046847	0.00313	Normal kat
10	-0.0149149	-0.0166481	0.0019581	0.0018596	1.05	0.046837	0.00261	Normal kat

Y YÖNÜ (+45)

Kat	(di)min (m)	(di)max (m)	(Ai)max (m)	(Ai)ort (m)	nbi	ek dış merkezlik	θi	kat tipi
1	0.0005692	0.0007755	0.0007755	0.0006724	1.15	0.049019	0.00171	Normal kat
2	0.0014375	0.0019690	0.0011936	0.0010309	1.16	0.049112	0.00321	Normal kat
3	0.0025724	0.0035307	0.0015616	0.0013482	1.16	0.049123	0.00389	Normal kat
4	0.0038969	0.0053502	0.0018196	0.0015720	1.16	0.049106	0.00421	Normal kat
5	0.0053582	0.0073568	0.0020052	0.0017340	1.16	0.049084	0.00429	Normal kat
6	0.0068966	0.0094592	0.0021025	0.0018204	1.15	0.049052	0.00415	Normal kat
7	0.0084676	0.0115994	0.0021401	0.0018556	1.15	0.049019	0.00386	Normal kat
8	0.0100354	0.0137286	0.0021292	0.0018485	1.15	0.048987	0.00347	Normal kat
9	0.0115853	0.0158376	0.0021057	0.0018295	1.15	0.048968	0.00302	Normal kat
10	0.0130938	0.0178806	0.0020429	0.0017757	1.15	0.048958	0.00251	Normal kat

Y YÖNÜ (-45)

Kat	(di)min (m)	(di)max (m)	(Ai)max (m)	(Ai)ort (m)	nbi	ek dış merkezlik	θi	kat tipi
1	0.0005693	0.0007754	0.0007754	0.0006724	1.15	0.049016	0.00171	Normal kat
2	0.0014378	0.0019688	0.0011934	0.0010309	1.16	0.049109	0.00321	Normal kat
3	0.0025728	0.0035303	0.0015615	0.0013482	1.16	0.049120	0.00389	Normal kat
4	0.0038975	0.0053496	0.0018194	0.0015720	1.16	0.049103	0.00421	Normal kat
5	0.0053591	0.0073560	0.0020051	0.0017340	1.16	0.049082	0.00429	Normal kat
6	0.0068976	0.0094583	0.0021023	0.0018204	1.15	0.049050	0.00415	Normal kat
7	0.0084688	0.0115983	0.0021400	0.0018556	1.15	0.049017	0.00386	Normal kat
8	0.0100367	0.0137275	0.0021291	0.0018485	1.15	0.048986	0.00347	Normal kat
9	0.0115867	0.0158365	0.0021057	0.0018295	1.15	0.048967	0.00302	Normal kat
10	0.0130953	0.0178793	0.0020429	0.0017757	1.15	0.048957	0.00251	Normal kat

B2 - Komşu katlar arası dayanım düzensizliği kontrolü

X YÖNÜ (+45)

Kat	hi (m)	(di)ort (m)	(Ai)ort (m)	nki	<veya>	kontrol	kat tipi
1	4.000	0.0006421	0.0006421	0.63	<	1.5	Normal kat
2	3.000	0.0016548	0.0010128	0.75	<	1.5	Normal kat
3	3.000	0.0029998	0.0013449	0.85	<	1.5	Normal kat
4	3.000	0.0045820	0.0015822	0.90	<	1.5	Normal kat
5	3.000	0.0063389	0.0017569	0.95	<	1.5	Normal kat
6	3.000	0.0081931	0.0018542	0.98	<	1.5	Normal kat
7	3.000	0.0100921	0.0018990	1.00	<	1.5	Normal kat
8	3.000	0.0119941	0.0019020	1.00	<	1.5	Normal kat
9	3.000	0.0138875	0.0018934	1.02	<	1.5	Normal kat
10	3.000	0.0157409	0.0018534	0.00	<	1.5	Normal kat

X YÖNÜ (-45)

Kat	hi (m)	(di)ort (m)	(Ai)ort (m)	nki	<veya>	kontrol	kat tipi
1	4.000	0.0006435	0.0006435	0.63	<	1.5	Normal kat
2	3.000	0.0016585	0.0010151	0.75	<	1.5	Normal kat
3	3.000	0.0030065	0.0013480	0.85	<	1.5	Normal kat
4	3.000	0.0045925	0.0015860	0.90	<	1.5	Normal kat
5	3.000	0.0063537	0.0017612	0.95	<	1.5	Normal kat
6	3.000	0.0082124	0.0018586	0.98	<	1.5	Normal kat
7	3.000	0.0101160	0.0019036	1.00	<	1.5	Normal kat
8	3.000	0.0120229	0.0019069	1.00	<	1.5	Normal kat
9	3.000	0.0139219	0.0018990	1.02	<	1.5	Normal kat
10	3.000	0.0157815	0.0018596	0.00	<	1.5	Normal kat

Y YÖNÜ (+45)

Kat	hi (m)	(di)ort(m)	(Ai)ort(m)	nki	<veya>	kontrol	kat tipi
1	4.000	0.0006724	0.0006724	0.65	<	1.5	Normal kat
2	3.000	0.0017033	0.0010309	0.76	<	1.5	Normal kat
3	3.000	0.0030515	0.0013482	0.86	<	1.5	Normal kat
4	3.000	0.0046235	0.0015720	0.91	<	1.5	Normal kat
5	3.000	0.0063575	0.0017340	0.95	<	1.5	Normal kat
6	3.000	0.0081779	0.0018204	0.98	<	1.5	Normal kat
7	3.000	0.0100335	0.0018556	1.00	<	1.5	Normal kat
8	3.000	0.0118820	0.0018485	1.01	<	1.5	Normal kat
9	3.000	0.0137115	0.0018295	1.03	<	1.5	Normal kat
10	3.000	0.0154872	0.0017757	0.00	<	1.5	Normal kat

Y YÖNÜ (-45)

Kat	hi (m)	(di)ort(m)	(Ai)ort(m)	nki	<veya>	kontrol	kat tipi
1	4.000	0.0006724	0.0006724	0.65	<	1.5	Normal kat
2	3.000	0.0017033	0.0010309	0.76	<	1.5	Normal kat
3	3.000	0.0030515	0.0013482	0.86	<	1.5	Normal kat
4	3.000	0.0046236	0.0015720	0.91	<	1.5	Normal kat
5	3.000	0.0063575	0.0017340	0.95	<	1.5	Normal kat
6	3.000	0.0081780	0.0018204	0.98	<	1.5	Normal kat
7	3.000	0.0100336	0.0018556	1.00	<	1.5	Normal kat
8	3.000	0.0118821	0.0018485	1.01	<	1.5	Normal kat
9	3.000	0.0137116	0.0018295	1.03	<	1.5	Normal kat
10	3.000	0.0154873	0.0017757	0.00	<	1.5	Normal kat

TDY 6.3.2.1 A1 burulma düzensizliği:

nbi=1.158 <1.2 , dinamik analizle çözülmüştür ✓

TDY 6.3.2.1 B2 düzensizliği sağlanmaktadır. ✓

TDY 6.20 koşulu sağlanmaktadır. .0007 < .0029 ✓

TDY 6.21 koşulu sağlanmaktadır. max $\delta_i =$ < 0.12 ✓

B1-Düşey doğrultudaki düzensizliklerinin kontrolü

Kat	Av	Agx	Agy	ΣAx	ΣAy	ncix	noiy	AÇIKLAMA
1	6.40	13.62	13.62	20.02	20.02	1.00	1.00	Düzenli ✓
2	6.40	13.62	13.62	20.02	20.02	1.00	1.00	Düzenli ✓
3	6.40	13.62	13.62	20.02	20.02	1.00	1.00	Düzenli ✓
4	6.40	13.62	13.62	20.02	20.02	1.08	1.08	Düzenli ✓
5	4.90	13.62	13.62	18.52	18.52	1.00	1.00	Düzenli ✓
6	4.90	13.62	13.62	18.52	18.52	1.00	1.00	Düzenli ✓
7	4.90	13.62	13.62	18.52	18.52	1.00	1.00	Düzenli ✓
8	4.90	13.62	13.62	18.52	18.52	1.08	1.08	Düzenli ✓
9	3.60	13.62	13.62	17.22	17.22	1.00	1.00	Düzenli ✓
10	3.60	13.62	13.62	17.22	17.22	1.00	1.00	üst kat ✓

A4 düzensizliği bulunmamıştır. ✓

DÖŞEME STATİK HESAP SONUÇLARI

Döşeme no	yön	L m	sol mesnet (tm)			açıklık	sağ mesnet (tm)			sehim / fmax mm
			gGg	qGq	gGg		gGg	qGq	gGg	
DZ01	X	3.88	0.00	0.00	0.00	1.46	-1.81	-1.37	-1.38	2.07
	Y	5.85	0.00	0.00	0.00	0.00	-0.67	-0.67	-0.35	12.92
DZ02	X	4.00	1.81	1.37	1.38	0.94	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
DZ03	X	4.00	1.32	1.01	1.01	1.08	-1.44	-1.10	-1.10	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
DZ04	X	4.00	1.44	1.10	1.10	1.03	-1.44	-1.10	-1.10	1.11
	Y	5.88	0.00	0.00	0.00	0.28	-0.61	-0.48	-0.44	13.33
DZ05	X	4.00	1.44	1.10	1.10	1.08	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
DZ06	X	4.00	1.32	1.01	1.01	0.94	-1.81	-1.37	-1.39	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
DZ07	X	3.88	1.81	1.37	1.39	1.46	0.00	0.00	0.00	2.08
	Y	5.86	0.00	0.00	0.00	0.00	-0.67	-0.67	-0.35	12.92
DZ08	X	3.88	0.00	0.00	0.00	1.27	-1.63	-1.24	-1.25	1.83
	Y	6.00	0.67	0.67	0.35	0.35	-0.63	-0.44	-0.52	12.92
DZ09	X	4.00	1.63	1.24	1.25	0.93	-1.18	-0.85	-0.95	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
DZ10	X	4.00	1.18	0.85	0.95	1.01	-1.54	-1.38	-0.97	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
DZ11	X	4.00	1.54	1.38	0.97	1.86	-1.55	-1.39	-0.98	0.43
	Y	6.00	0.61	0.48	0.44	0.82	-0.61	-0.48	-0.44	13.33
DZ12	X	4.00	1.55	1.39	0.98	1.02	-1.15	-0.82	-0.94	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
DZ13	X	4.00	1.15	0.82	0.94	0.89	-1.73	-1.34	-1.30	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
DZ14	X	3.88	1.73	1.34	1.30	1.43	0.00	0.00	0.00	2.01
	Y	6.00	0.67	0.67	0.35	0.00	-0.67	-0.67	-0.35	12.92
DZ15	X	3.88	0.00	0.00	0.00	1.25	-1.65	-1.22	-1.31	1.80
	Y	5.85	0.63	0.44	0.52	0.60	0.00	0.00	0.00	12.92
DZ16	X	4.00	1.65	1.22	1.31	1.00	-1.36	-1.05	-1.03	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
DZ17	X	4.00	1.36	1.05	1.03	1.07	-1.43	-1.09	-1.10	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
DZ18	X	4.00	1.43	1.09	1.10	1.04	-1.45	-1.10	-1.10	1.11
	Y	5.88	0.61	0.48	0.44	0.28	0.00	0.00	0.00	13.33
DZ19	X	4.00	1.45	1.10	1.10	1.08	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
DZ20	X	4.00	1.32	1.01	1.01	0.94	-1.81	-1.37	-1.39	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
DZ21	X	3.88	1.81	1.37	1.39	1.46	0.00	0.00	0.00	2.07
	Y	5.85	0.67	0.67	0.35	0.00	0.00	0.00	0.00	12.92
D101	X	3.88	0.00	0.00	0.00	1.46	-1.81	-1.37	-1.38	2.07
	Y	5.85	0.00	0.00	0.00	0.00	-0.67	-0.67	-0.35	12.92
D102	X	4.00	1.81	1.37	1.38	0.94	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D103	X	4.00	1.32	1.01	1.01	1.08	-1.44	-1.10	-1.10	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D104	X	4.00	1.44	1.10	1.10	1.03	-1.44	-1.10	-1.10	1.11
	Y	5.88	0.00	0.00	0.00	0.28	-0.61	-0.48	-0.44	13.33
D105	X	4.00	1.44	1.10	1.10	1.08	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D106	X	4.00	1.32	1.01	1.01	0.94	-1.81	-1.37	-1.39	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D107	X	3.88	1.81	1.37	1.39	1.46	0.00	0.00	0.00	2.08
	Y	5.86	0.00	0.00	0.00	0.00	-0.67	-0.67	-0.35	12.92
D108	X	3.88	0.00	0.00	0.00	1.27	-1.63	-1.24	-1.25	1.83
	Y	6.00	0.67	0.67	0.35	0.35	-0.63	-0.44	-0.52	12.92
D109	X	4.00	1.63	1.24	1.25	0.93	-1.18	-0.85	-0.95	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D110	X	4.00	1.18	0.85	0.95	1.01	-1.54	-1.38	-0.97	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D111	X	4.00	1.54	1.38	0.97	1.86	-1.55	-1.39	-0.98	0.43
	Y	6.00	0.61	0.48	0.44	0.82	-0.61	-0.48	-0.44	13.33
D112	X	4.00	1.55	1.39	0.98	1.02	-1.15	-0.82	-0.94	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D113	X	4.00	1.15	0.82	0.94	0.89	-1.73	-1.34	-1.30	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D114	X	3.88	1.73	1.34	1.30	1.43	0.00	0.00	0.00	2.01
	Y	6.00	0.67	0.67	0.35	0.00	-0.67	-0.67	-0.35	12.92
D115	X	3.88	0.00	0.00	0.00	1.25	-1.65	-1.22	-1.31	1.80
	Y	5.85	0.63	0.44	0.52	0.60	0.00	0.00	0.00	12.92
D116	X	4.00	1.65	1.22	1.31	1.00	-1.36	-1.05	-1.03	1.11

DÖŞEME STATİK HESAP SONUÇLARI

Döşeme no	yön	L m	sol mesnet (tm)			açıklık	sağ mesnet (tm)			sahin / fmax mm
			gGg	qGq	gGg		gGg	qGq	gGg	
D117	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
	X	4.00	1.36	1.05	1.03	1.07	-1.43	-1.09	-1.10	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
D118	X	4.00	1.43	1.09	1.10	1.04	-1.45	-1.10	-1.10	1.11
	Y	5.88	0.61	0.48	0.44	0.28	0.00	0.00	0.00	13.33
D119	X	4.00	1.45	1.10	1.10	1.08	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
D120	X	4.00	1.32	1.01	1.01	0.94	-1.81	-1.37	-1.39	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
D121	X	3.88	1.81	1.37	1.39	1.46	0.00	0.00	0.00	2.07
	Y	5.85	0.67	0.67	0.35	0.00	0.00	0.00	0.00	12.92
D201	X	3.88	0.00	0.00	0.00	1.46	-1.81	-1.37	-1.38	2.07
	Y	5.85	0.00	0.00	0.00	0.00	-0.67	-0.67	-0.35	12.92
D202	X	4.00	1.81	1.37	1.38	0.94	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D203	X	4.00	1.32	1.01	1.01	1.08	-1.44	-1.10	-1.10	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D204	X	4.00	1.44	1.10	1.10	1.03	-1.44	-1.10	-1.10	1.11
	Y	5.88	0.00	0.00	0.00	0.28	-0.61	-0.48	-0.44	13.33
D205	X	4.00	1.44	1.10	1.10	1.08	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D206	X	4.00	1.32	1.01	1.01	0.94	-1.81	-1.37	-1.39	1.11
	Y	5.88	0.00	0.00	0.00	0.31	-0.55	-0.38	-0.46	13.33
D207	X	3.88	1.81	1.37	1.39	1.46	0.00	0.00	0.00	2.08
	Y	5.86	0.00	0.00	0.00	0.00	-0.67	-0.67	-0.35	12.92
D208	X	3.88	0.00	0.00	0.00	1.27	-1.63	-1.24	-1.25	1.83
	Y	6.00	0.67	0.67	0.35	0.35	-0.63	-0.44	-0.52	12.92
D209	X	4.00	1.63	1.24	1.25	0.93	-1.18	-0.85	-0.95	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D210	X	4.00	1.18	0.85	0.95	1.01	-1.54	-1.38	-0.97	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D211	X	4.00	1.54	1.38	0.97	1.86	-1.55	-1.39	-0.98	0.43
	Y	6.00	0.61	0.48	0.44	0.82	-0.61	-0.48	-0.44	13.33
D212	X	4.00	1.55	1.39	0.98	1.02	-1.15	-0.82	-0.94	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D213	X	4.00	1.15	0.82	0.94	0.89	-1.73	-1.34	-1.30	1.02
	Y	6.00	0.55	0.38	0.46	0.49	-0.55	-0.38	-0.46	13.33
D214	X	3.88	1.73	1.34	1.30	1.43	0.00	0.00	0.00	2.01
	Y	6.00	0.67	0.67	0.35	0.00	-0.67	-0.67	-0.35	12.92
D215	X	3.88	0.00	0.00	0.00	1.25	-1.65	-1.22	-1.31	1.80
	Y	5.85	0.63	0.44	0.52	0.60	0.00	0.00	0.00	12.92
D216	X	4.00	1.65	1.22	1.31	1.00	-1.36	-1.05	-1.03	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
D217	X	4.00	1.36	1.05	1.03	1.07	-1.43	-1.09	-1.10	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
D218	X	4.00	1.43	1.09	1.10	1.04	-1.45	-1.10	-1.10	1.11
	Y	5.88	0.61	0.48	0.44	0.28	0.00	0.00	0.00	13.33
D219	X	4.00	1.45	1.10	1.10	1.08	-1.32	-1.01	-1.01	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
D220	X	4.00	1.32	1.01	1.01	0.94	-1.81	-1.37	-1.39	1.11
	Y	5.88	0.55	0.38	0.46	0.31	0.00	0.00	0.00	13.33
D221	X	3.88	1.81	1.37	1.39	1.46	0.00	0.00	0.00	2.07
	Y	5.85	0.67	0.67	0.35	0.00	0.00	0.00	0.00	12.92
D901	X	3.88	0.00	0.00	0.00	1.08	-1.42	-1.24	-1.24	1.68
	Y	5.85	0.00	0.00	0.00	0.00	-0.53	-0.39	-0.39	12.92
D902	X	4.00	1.42	1.24	1.24	0.61	-1.04	-0.91	-0.91	0.90
	Y	5.88	0.00	0.00	0.00	0.21	-0.43	-0.36	-0.39	13.33
D903	X	4.00	1.04	0.91	0.91	0.73	-1.14	-0.99	-0.99	0.90
	Y	5.88	0.00	0.00	0.00	0.21	-0.43	-0.36	-0.39	13.33
D904	X	4.00	1.14	0.99	0.99	0.69	-1.14	-0.99	-0.99	0.90
	Y	5.88	0.00	0.00	0.00	0.19	-0.53	-0.41	-0.46	13.33
D905	X	4.00	1.14	0.99	0.99	0.73	-1.04	-0.91	-0.91	0.90
	Y	5.88	0.00	0.00	0.00	0.21	-0.43	-0.36	-0.39	13.33
D906	X	4.00	1.04	0.91	0.91	0.61	-1.42	-1.24	-1.24	0.90
	Y	5.88	0.00	0.00	0.00	0.21	-0.43	-0.36	-0.39	13.33
D907	X	3.88	1.42	1.24	1.24	1.08	0.00	0.00	0.00	1.68
	Y	5.86	0.00	0.00	0.00	0.00	-0.53	-0.53	-0.39	12.92
D908	X	3.88	0.00	0.00	0.00	0.93	-1.30	-1.12	-1.13	1.48
	Y	6.00	0.53	0.53	0.39	0.20	-0.50	-0.42	-0.45	12.92
D909	X	4.00	1.30	1.12	1.13	0.60	-0.90	-0.80	-0.80	0.82
	Y	6.00	0.43	0.36	0.39	0.33	-0.43	-0.36	-0.39	13.33
D910	X	4.00	0.90	0.80	0.80	0.61	-1.35	-1.11	-1.11	0.82
	Y	6.00	0.43	0.36	0.39	0.33	-0.43	-0.36	-0.39	13.33
D911	X	4.00	1.35	1.11	1.11	1.73	-1.36	-1.12	-1.11	0.43
	Y	6.00	0.53	0.41	0.46	0.85	-0.53	-0.41	-0.46	13.33

DÖŞEME STATİK HESAP SONUÇLARI

Döşeme no	yön	L m	sol mesnet (tm)			açıklık	sağ mesnet (tm)			sehim / fmax mm
			gGg	qGq	gQg		gGg	qGq	gQg	
D912	X	4.00	1.36	1.12	1.11	0.61	-0.87	-0.78	-0.78	0.82
	Y	6.00	0.43	0.36	0.39	0.33	-0.43	-0.36	-0.39	13.33
D913	X	4.00	0.87	0.78	0.78	0.57	-1.38	-1.20	-1.19	0.82
	Y	6.00	0.43	0.36	0.39	0.33	-0.43	-0.36	-0.39	13.33
D914	X	3.88	1.38	1.20	1.19	1.04	0.00	0.00	0.00	1.63
	Y	6.00	0.53	0.53	0.39	0.00	-0.53	-0.53	-0.39	12.92
D915	X	3.88	0.00	0.00	0.00	0.91	-1.31	-1.12	-1.16	1.46
	Y	5.85	0.50	0.42	0.45	0.44	0.00	0.00	0.00	12.92
D916	X	4.00	1.31	1.12	1.16	0.65	-1.07	-0.94	-0.93	0.90
	Y	5.88	0.43	0.36	0.39	0.21	0.00	0.00	0.00	13.33
D917	X	4.00	1.07	0.94	0.93	0.72	-1.13	-0.98	-0.99	0.90
	Y	5.88	0.43	0.36	0.39	0.21	0.00	0.00	0.00	13.33
D918	X	4.00	1.13	0.98	0.99	0.69	-1.14	-0.99	-0.99	0.90
	Y	5.88	0.53	0.41	0.46	0.19	0.00	0.00	0.00	13.33
D919	X	4.00	1.14	0.99	0.99	0.73	-1.04	-0.91	-0.91	0.90
	Y	5.88	0.43	0.36	0.39	0.21	0.00	0.00	0.00	13.33
D920	X	4.00	1.04	0.91	0.91	0.61	-1.42	-1.24	-1.24	0.90
	Y	5.88	0.43	0.36	0.39	0.21	0.00	0.00	0.00	13.33
D921	X	3.88	1.42	1.24	1.24	1.08	0.00	0.00	0.00	1.68
	Y	5.85	0.53	0.53	0.39	0.00	0.00	0.00	0.00	12.92

Not: Tabloda görüldüğü üzere 2,1,2,3,4,5,6,7,8 katların statik sonuçları aynı çatı katının statik sonuçları yük analizinin farklılığı nedeniyle farklı olduğundan dolayı bütün statik sonuçlar burada varılmamıştır.

KIRIŞ STATİK HESAP SONUÇLARI

KZ01	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
SolM	6.69	2.43	2.22	0.28	0.44	2.32	2.24	0.00	1.78 (tm)
SagM	-0.99	-0.33	-0.43	0.14	0.26	-0.37	-0.47	0.00	
SolV	2.33	0.82						0.00	
SagV	-1.57	-0.55						0.00	
Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Yaç (m)
SolM	-10.67	-12.05	-1.72	0.45	-1.14	-1.01	-0.25	0.06	4.12
SagM	-6.78	-7.69	-1.05	0.37	-0.73	-0.65	-0.15	0.05	
SolV	3.33						0.32		
SagV	3.33						0.32		
KZ02	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
SolM	1.84	0.70	0.06	0.64	0.60	0.08	0.72	0.00	1.34 (tm)
SagM	-1.74	-0.66	-0.05	-0.61	-0.74	0.00	-0.59	0.00	
SolV	1.88	0.68						0.00	
SagV	-1.83	-0.66						0.00	
Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Yaç (m)
SolM	-6.81	-7.81	-0.80	0.77	-0.75	-0.65	-0.11	0.11	2.02
SagM	-6.81	-7.81	-0.81	0.75	-0.75	-0.65	-0.12	0.11	
SolV	3.91						0.37		
SagV	3.91						0.37		
KZ03	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
SolM	1.81	0.69	0.63	0.06	0.72	0.59	0.07	0.00	1.31 (tm)
SagM	-1.80	-0.69	-0.62	-0.06	-0.60	-0.76	-0.02	0.00	
SolV	1.86	0.67						0.00	
SagV	-1.85	-0.67						0.00	
Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Yaç (m)
SolM	-6.89	-7.88	-0.77	0.77	-0.75	-0.66	-0.11	0.11	2.02
SagM	-6.89	-7.88	-0.77	0.77	-0.75	-0.66	-0.11	0.11	
SolV	3.94						0.38		
SagV	3.94						0.38		
KZ04	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
SolM	1.75	0.66	0.05	0.62	0.05	0.70	0.57	0.00	1.34 (tm)
SagM	-1.84	-0.70	-0.07	-0.63	-0.03	-0.59	-0.77	0.00	
SolV	1.83	0.66						0.00	
SagV	-1.88	-0.68						0.00	
Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Yaç (m)
SolM	-6.81	-7.81	-0.75	0.81	-0.75	-0.65	-0.11	0.12	2.00
SagM	-6.81	-7.81	-0.77	0.79	-0.75	-0.65	-0.11	0.11	
SolV	3.91						0.37		
SagV	3.91						0.37		
KZ05	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
SolM	1.00	0.34	0.43	-0.13	0.39	-0.22	0.43	0.00	1.79 (tm)
SagM	-6.68	-2.43	-2.23	-0.28	-2.33	-0.39	-2.29	0.00	
SolV	1.57	0.55						0.00	
SagV	-2.33	-0.82						0.00	
Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Yaç (m)
SolM	-6.78	-7.68	-0.37	1.05	-0.73	-0.65	-0.05	0.15	1.84
SagM	-10.66	-12.05	-0.45	1.72	-1.14	-1.01	-0.06	0.25	
SolV	3.32						0.32		
SagV	3.32						0.32		
KZ06	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
SolM	3.30	1.59	1.23	0.36	0.48	1.35	1.35	0.00	3.06 (tm)
SagM	-1.20	-0.52	-0.49	-0.03	0.24	-0.41	-0.87	0.00	
SolV	3.49	1.60						0.00	
SagV	-2.34	-1.00						0.00	
Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Yaç (m)
SolM	-4.93	-5.06	-0.65	-0.45	-0.48	-0.47	-0.09	-0.06	2.09
SagM	-4.21	-4.30	-0.62	-0.46	-0.41	-0.40	-0.09	-0.06	
SolV	2.46						0.23		
SagV	2.46						0.23		
KZ07	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
SolM	2.60	1.24	0.23	0.99	0.89	0.24	1.32	0.00	3.47 (tm)
SagM	-2.32	-1.10	-0.16	-0.93	-1.35	-0.05	-0.78	0.00	
SolV	3.18	1.42						0.00	
SagV	-3.04	-1.35						0.00	
Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Yaç (m)
SolM	-4.43	-4.60	-0.20	0.07	-0.43	-0.41	-0.03	0.01	2.04
SagM	-4.24	-4.41	-0.29	-0.03	-0.41	-0.40	-0.04	0.00	
SolV	2.25						0.21		
SagV	2.25						0.21		

KZ16	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	6.85	3.09	0.45	2.86	0.84	3.08	2.71	0.00	3.23 (tm)
	SagM	-0.50	-0.31	0.09	-0.23	0.48	-0.08	-0.67	0.00	
	SolV	4.29	1.88						0.00	
	SagV	-1.99	-0.89						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	0.01	Xaç (m)
	SolM	-7.56	-7.46	0.21	0.06	-0.69	-0.70	0.03	0.00	2.88
	SagM	-5.40	-5.24	0.25	-0.01	-0.49	-0.50	0.03	0.00	
	SolV	2.93						0.27		
	SagV	2.93						0.27		
KZ17	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	2.31	1.09	0.95	0.13	0.80	0.12	1.24	0.00	3.53 (tm)
	SagM	-2.53	-1.20	-0.97	-0.22	-1.42	-0.11	-0.85	0.00	
	SolV	3.06	1.36						0.00	
	SagV	-3.17	-1.41						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	0.00	Xaç (m)
	SolM	-4.48	-4.30	-0.01	-0.30	-0.40	-0.41	0.00	-0.04	2.00
	SagM	-4.66	-4.47	0.09	-0.21	-0.41	-0.43	0.01	-0.03	
	SolV	2.29						0.21		
	SagV	2.29						0.21		
KZ18	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	1.17	0.51	0.02	0.49	0.77	0.39	-0.15	0.00	3.06 (tm)
	SagM	-3.32	-1.60	-0.34	-1.26	-1.27	-1.46	-0.47	0.00	
	SolV	2.32	0.99						0.00	
	SagV	-3.50	-1.61						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	0.00	Xaç (m)
	SolM	-4.33	-4.22	-0.45	-0.63	-0.40	-0.41	-0.06	-0.09	1.71
	SagM	-5.09	-4.95	-0.43	-0.66	-0.46	-0.48	-0.06	-0.09	
	SolV	2.48						0.23		
	SagV	2.48						0.23		
KZ19	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	6.69	2.43	2.22	0.28	0.42	2.33	2.24	0.00	1.78 (tm)
	SagM	-0.99	-0.33	-0.43	0.14	0.25	-0.36	-0.48	0.00	
	SolV	2.33	0.82						0.00	
	SagV	-1.57	-0.55						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	0.00	Xaç (m)
	SolM	-12.26	-10.84	1.75	-0.48	-0.99	-1.12	0.26	-0.07	4.12
	SagM	-7.82	-6.89	1.07	-0.39	-0.63	-0.72	0.16	-0.06	
	SolV	3.39						0.31		
	SagV	3.39						0.31		
KZ20	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	1.86	0.71	0.03	0.68	0.62	0.04	0.75	0.00	1.34 (tm)
	SagM	-1.72	-0.65	-0.08	-0.57	-0.72	-0.04	-0.55	0.00	
	SolV	1.89	0.69						0.00	
	SagV	-1.82	-0.66						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	0.00	Xaç (m)
	SolM	-7.96	-6.93	0.82	-0.79	-0.63	-0.73	0.12	-0.12	2.04
	SagM	-7.96	-6.93	0.83	-0.77	-0.63	-0.73	0.12	-0.11	
	SolV	3.98						0.37		
	SagV	3.98						0.37		
KZ21	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	1.81	0.69	0.63	0.05	0.71	0.59	0.07	0.00	1.31 (tm)
	SagM	-1.80	-0.69	-0.63	-0.06	-0.60	-0.76	-0.02	0.00	
	SolV	1.86	0.67						0.00	
	SagV	-1.85	-0.67						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	0.00	Xaç (m)
	SolM	-8.03	-7.01	0.79	-0.79	-0.64	-0.74	0.12	-0.12	2.02
	SagM	-8.03	-7.01	0.80	-0.79	-0.64	-0.74	0.12	-0.12	
	SolV	4.01						0.37		
	SagV	4.01						0.37		
KZ22	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	1.73	0.66	0.08	0.58	0.03	0.74	0.54	0.00	1.34 (tm)
	SagM	-1.86	-0.71	-0.04	-0.67	-0.06	-0.56	-0.80	0.00	
	SolV	1.82	0.66						0.00	
	SagV	-1.89	-0.68						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	0.00	Xaç (m)
	SolM	-7.96	-6.93	0.77	-0.83	-0.63	-0.73	0.11	-0.12	1.98
	SagM	-7.96	-6.93	0.79	-0.82	-0.63	-0.73	0.12	-0.12	
	SolV	3.98						0.37		
	SagV	3.98						0.37		

KZ23	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	1.00	0.34	0.42	-0.13	0.38	-0.23	0.43	0.00	1.78 (tm)
	SagM	-6.69	-2.43	-2.23	-0.28	-2.31	-0.41	-2.29	0.00	
	SolV	1.57	0.55						0.00	
	SagV	-2.33	-0.82						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-7.82	-6.89	0.39	-1.07	-0.63	-0.72	0.06	-0.16	1.84
	SagM	-12.26	-10.84	0.48	-1.75	-0.99	-1.12	0.07	-0.26	
	SolV	3.39						0.31		
	SagV	3.39						0.31		
KZ26	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	5.11	2.17	2.09	0.18	0.40	2.19	1.94	0.00	1.09 (tm)
	SagM	-0.37	-0.14	-0.06	-0.01	0.19	0.00	-0.33	0.00	
	SolV	2.41	1.04						0.00	
	SagV	-0.93	-0.32						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-2.51	-0.21	-10.55	-14.14	0.02	-0.20	-1.56	-2.08	3.15
	SagM	-1.63	-0.06	-6.97	-9.42	0.02	-0.13	-1.03	-1.39	
	SolV	5.23						0.77		
	SagV	5.23						0.77		
KZ25	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	4.19	1.78	0.01	1.75	1.75	0.00	1.79	0.00	3.95 (tm)
	SagM	-4.40	-1.87	-0.06	-1.82	-1.91	-0.05	-1.80	0.00	
	SolV	3.30	1.34						0.00	
	SagV	-3.37	-1.37						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.70	0.58	-5.23	-7.23	0.07	-0.05	-0.75	-1.04	3.00
	SagM	-0.75	0.53	-5.23	-7.23	0.07	-0.05	-0.75	-1.04	
	SolV	2.41						0.35		
	SagV	2.41						0.35		
KZ24	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	0.13	0.02	0.01	-0.07	0.15	-0.06	-0.21	0.00	1.20 (tm)
	SagM	-5.48	-2.35	-2.18	-0.29	-2.14	-2.31	-0.49	0.00	
	SolV	0.80	0.25						0.00	
	SagV	-2.54	-1.10						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.15	1.41	-6.97	-9.41	0.15	0.00	-1.03	-1.39	1.26
	SagM	-0.10	2.19	-10.56	-14.13	0.24	0.02	-1.56	-2.08	
	SolV	5.23						0.77		
	SagV	5.23						0.77		
KZ29	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.79	3.95	3.86	0.12	0.37	3.95	3.63	0.00	6.88 (tm)
	SagM	-5.70	-3.09	-2.89	-0.16	0.20	-2.83	-3.48	0.00	
	SolV	5.92	2.90						0.00	
	SagV	-4.90	-2.50						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.59	0.49	-5.53	-7.22	0.06	-0.04	-0.81	-1.05	3.04
	SagM	-0.47	0.53	-5.57	-7.13	0.06	-0.03	-0.81	-1.04	
	SolV	2.45						0.36		
	SagV	2.45						0.36		
KZ28	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.13	3.73	0.23	3.50	3.33	0.25	3.88	0.00	6.92 (tm)
	SagM	-7.36	-3.84	-0.28	-3.57	-4.14	-0.14	-3.41	0.00	
	SolV	5.37	2.71						0.00	
	SagV	-5.44	-2.74						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.57	0.41	-5.95	-7.49	0.05	-0.04	-0.86	-1.09	3.00
	SagM	-0.56	0.42	-5.95	-7.49	0.05	-0.04	-0.86	-1.09	
	SolV	2.50						0.36		
	SagV	2.50						0.36		
KZ27	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	5.51	3.00	2.85	0.10	3.16	2.86	-0.12	0.00	6.89 (tm)
	SagM	-7.99	-4.04	-3.91	-0.18	-3.83	-3.97	-0.37	0.00	
	SolV	4.83	2.46						0.00	
	SagV	-5.99	-2.93						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.66	0.35	-5.57	-7.13	0.05	-0.05	-0.81	-1.04	2.81
	SagM	-0.63	0.45	-5.53	-7.22	0.06	-0.04	-0.81	-1.05	
	SolV	2.45						0.36		
	SagV	2.45						0.36		
KZ32	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	5.40	2.80	2.54	0.24	0.29	2.60	2.66	0.00	7.72 (tm)
	SagM	-7.23	-3.79	-3.60	-0.21	0.04	-3.59	-4.08	0.00	
	SolV	5.16	2.56						0.00	
	SagV	-5.53	-2.79						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.38	0.08	-4.74	-5.46	0.02	-0.03	-0.69	-0.80	2.78
	SagM	-0.43	0.09	-5.28	-6.08	0.02	-0.03	-0.77	-0.89	
	SolV	1.99						0.29		
	SagV	1.99						0.29		

KZ31		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	7.15	3.76	0.25	3.49	3.29	0.28	3.92	0.00	6.90 (tm)
	SagM	-7.58	-3.95	-0.34	-3.62	-4.29	-0.18	-3.46	0.00	
	SolV	5.37	2.71						0.00	
	SagV	-5.51	-2.78						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.33	0.22	-6.10	-6.97	0.03	-0.02	-0.89	-1.02	3.00
	SagM	-0.34	0.21	-6.10	-6.97	0.03	-0.02	-0.89	-1.02	
	SolV	2.32						0.34		
	SagV	2.32						0.34		
KZ30		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	7.17	3.75	3.56	0.22	3.93	3.51	0.11	0.00	7.67 (tm)
	SagM	-5.48	-2.84	-2.63	-0.19	-2.51	-2.91	-0.22	0.00	
	SolV	5.51	2.78						0.00	
	SagV	-5.19	-2.58						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.13	0.38	-5.27	-6.07	0.04	-0.01	-0.77	-0.89	3.05
	SagM	-0.13	0.34	-4.74	-5.46	0.04	-0.01	-0.69	-0.80	
	SolV	1.99						0.29		
	SagV	1.99						0.29		
KZ33		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	24.30	11.98	-0.03	12.15	12.01	0.04	12.19	0.00	8.41 (tm)
	SagM	-5.02	-2.68	-0.11	-2.49	-2.68	-0.05	-2.47	0.00	
	SolV	5.79	2.82						0.00	
	SagV	-5.16	-2.59						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.06	0.02	-8.57	-8.69	0.00	0.00	-1.23	-1.25	6.07
	SagM	-0.06	0.03	-4.97	-5.10	0.00	0.00	-0.72	-0.74	
	SolV	1.57						0.23		
	SagV	1.57						0.23		
KZ34		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	4.83	2.59	2.37	0.13	0.02	2.35	2.63	0.00	8.47 (tm)
	SagM	-24.63	-12.13	-12.30	0.00	-0.13	-12.36	-12.11	0.00	
	SolV	5.09	2.55						0.00	
	SagV	-5.85	-2.84						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.04	0.04	-4.97	-5.10	0.01	0.00	-0.72	-0.74	2.77
	SagM	-0.03	0.05	-8.57	-8.68	0.01	0.00	-1.23	-1.25	
	SolV	1.57						0.23		
	SagV	1.57						0.23		
KZ35		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	24.30	11.98	-0.03	12.15	12.01	0.03	12.20	0.00	8.41 (tm)
	SagM	-5.02	-2.68	-0.11	-2.49	-2.67	-0.06	-2.47	0.00	
	SolV	5.79	2.82						0.00	
	SagV	-5.16	-2.59						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.06	-0.02	-8.69	-8.57	0.00	0.00	-1.25	-1.23	6.07
	SagM	0.06	-0.03	-5.10	-4.97	0.00	0.00	-0.74	-0.72	
	SolV	1.57						0.23		
	SagV	1.57						0.23		
KZ36		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	4.83	2.59	2.37	0.13	0.02	2.36	2.62	0.00	8.47 (tm)
	SagM	-24.63	-12.13	-12.30	0.00	-0.14	-12.35	-12.11	0.00	
	SolV	5.09	2.55						0.00	
	SagV	-5.85	-2.84						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.04	-0.04	-5.10	-4.97	-0.01	0.00	-0.74	-0.72	2.77
	SagM	0.03	-0.05	-8.68	-8.57	-0.01	0.00	-1.25	-1.23	
	SolV	1.57						0.23		
	SagV	1.57						0.23		
KZ39		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	5.41	2.80	2.54	0.24	0.29	2.60	2.67	0.00	7.72 (tm)
	SagM	-7.23	-3.79	-3.60	-0.21	0.03	-3.59	-4.07	0.00	
	SolV	5.16	2.56						0.00	
	SagV	-5.53	-2.79						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.38	-0.08	-5.46	-4.74	-0.02	0.03	-0.80	-0.69	2.78
	SagM	0.42	-0.09	-6.08	-5.28	-0.02	0.03	-0.89	-0.77	
	SolV	1.99						0.29		
	SagV	1.99						0.29		

KZ38	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.15	3.76	0.25	3.49	3.29	0.28	3.92	0.00	6.90 (tm)
	SagM	-7.58	-3.95	-0.34	-3.62	-4.29	-0.18	-3.46	0.00	
	SolV	5.37	2.71						0.00	
	SagV	-5.51	-2.78						0.00	
	Deprem+X	0.33	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.33	-0.22	-6.97	-6.10	-0.03	0.02	-1.02	-0.89	3.00
	SagM	0.34	-0.21	-6.97	-6.10	-0.03	0.02	-1.02	-0.89	
	SolV	2.32						0.34		
	SagV	2.32						0.34		
KZ37	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.17	3.75	3.55	0.22	3.94	3.51	0.10	0.00	7.67 (tm)
	SagM	-5.48	-2.84	-2.63	-0.19	-2.51	-2.91	-0.23	0.00	
	SolV	5.51	2.78						0.00	
	SagV	-5.19	-2.58						0.00	
	Deprem+X	0.13	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.13	-0.38	-6.07	-5.27	-0.04	0.01	-0.89	-0.77	3.05
	SagM	0.13	-0.34	-5.46	-4.74	-0.04	0.01	-0.80	-0.69	
	SolV	1.99						0.29		
	SagV	1.99						0.29		
KZ42	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.81	3.96	3.87	0.12	0.38	3.97	3.63	0.00	6.90 (tm)
	SagM	-5.73	-3.10	-2.91	-0.16	0.21	-2.84	-3.51	0.00	
	SolV	5.92	2.90						0.00	
	SagV	-4.91	-2.50						0.00	
	Deprem+X	0.59	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.59	-0.49	-7.21	-5.53	-0.06	0.04	-1.05	-0.81	3.08
	SagM	0.47	-0.53	-7.13	-5.57	-0.06	0.03	-1.04	-0.81	
	SolV	2.45						0.36		
	SagV	2.45						0.36		
KZ41	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.13	3.74	0.23	3.50	3.32	0.25	3.88	0.00	6.92 (tm)
	SagM	-7.36	-3.84	-0.28	-3.57	-4.14	-0.14	-3.41	0.00	
	SolV	5.37	2.71						0.00	
	SagV	-5.44	-2.74						0.00	
	Deprem+X	0.57	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.57	-0.41	-7.49	-5.95	-0.05	0.04	-1.09	-0.86	3.00
	SagM	0.56	-0.42	-7.49	-5.95	-0.05	0.04	-1.09	-0.86	
	SolV	2.50						0.36		
	SagV	2.50						0.36		
KZ40	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	5.51	3.00	2.85	0.10	3.16	2.85	-0.11	0.00	6.89 (tm)
	SagM	-7.99	-4.04	-3.91	-0.18	-3.84	-3.98	-0.35	0.00	
	SolV	4.83	2.46						0.00	
	SagV	-5.99	-2.93						0.00	
	Deprem+X	0.66	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.66	-0.35	-7.13	-5.57	-0.05	0.05	-1.04	-0.81	2.81
	SagM	0.63	-0.45	-7.22	-5.53	-0.06	0.04	-1.05	-0.81	
	SolV	2.45						0.36		
	SagV	2.45						0.36		
KZ45	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	5.13	2.18	2.07	0.21	0.42	2.22	1.92	0.00	1.09 (tm)
	SagM	-0.37	-0.14	-0.09	0.01	0.20	0.00	-0.35	0.00	
	SolV	2.41	1.04						0.00	
	SagV	-0.94	-0.32						0.00	
	Deprem+X	2.50	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	2.50	0.21	-14.14	-10.56	-0.02	0.20	-2.08	-1.56	3.16
	SagM	1.62	0.06	-9.42	-6.97	-0.02	0.13	-1.39	-1.03	
	SolV	5.22						0.77		
	SagV	5.22						0.77		
KZ44	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	4.19	1.78	0.01	1.75	1.75	0.00	1.79	0.00	3.95 (tm)
	SagM	-4.40	-1.87	-0.06	-1.82	-1.91	-0.05	-1.80	0.00	
	SolV	3.30	1.34						0.00	
	SagV	-3.37	-1.37						0.00	
	Deprem+X	0.70	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.70	-0.58	-7.22	-5.23	-0.07	0.05	-1.04	-0.75	3.00
	SagM	0.75	-0.53	-7.23	-5.23	-0.07	0.05	-1.04	-0.75	
	SolV	2.41						0.35		
	SagV	2.41						0.35		
KZ43	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	0.13	0.02	0.03	-0.09	0.14	-0.07	-0.18	0.00	1.19 (tm)
	SagM	-5.48	-2.35	-2.14	-0.33	-2.15	-2.33	-0.46	0.00	
	SolV	0.80	0.25						0.00	
	SagV	-2.54	-1.10						0.00	
	Deprem+X	0.15	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.15	-1.41	-9.41	-6.97	-0.15	0.00	-1.39	-1.03	1.28
	SagM	0.10	-2.19	-14.14	-10.56	-0.24	-0.02	-2.08	-1.56	
	SolV	5.23						0.77		
	SagV	5.23						0.77		

K108	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	-0.18	0.01	-0.31	0.10	-0.69	0.34	-0.07	0.00	4.00 (tm)
	SagM	-14.02	-6.23	-0.93	-5.70	-1.50	-5.69	-6.07	0.00	
	SolV	1.80	0.81						0.00	
	SagV	-4.47	-1.96						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-8.55	-8.78	0.00	0.35	-0.80	-0.78	0.00	0.05	1.53
	SagM	-16.28	-16.53	0.07	0.46	-1.51	-1.48	0.01	0.06	
	SolV	4.22						0.38		
	SagV	4.22						0.38		
K109	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	14.04	6.24	5.71	0.93	5.71	1.48	6.08	0.00	4.00 (tm)
	SagM	0.19	-0.01	-0.09	0.30	-0.34	0.69	0.08	0.00	
	SolV	4.48	1.96						0.00	
	SagV	-1.80	-0.81						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-16.28	-16.53	-0.46	-0.07	-1.51	-1.48	-0.06	-0.01	4.50
	SagM	-8.55	-8.78	-0.35	0.00	-0.80	-0.78	-0.05	0.00	
	SolV	4.22						0.38		
	SagV	4.22						0.38		
K110	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	2.15	1.01	0.15	0.86	1.24	0.72	0.05	0.00	3.71 (tm)
	SagM	-2.55	-1.21	-0.23	-0.96	-0.83	-1.38	-0.16	0.00	
	SolV	3.01	1.33						0.00	
	SagV	-3.21	-1.44						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-7.25	-7.52	0.08	0.50	-0.69	-0.66	0.01	0.07	1.98
	SagM	-7.49	-7.77	-0.07	0.37	-0.71	-0.68	-0.01	0.05	
	SolV	3.82						0.35		
	SagV	3.82						0.35		
K111	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	-0.06	-0.09	0.14	-0.24	-0.62	0.44	-0.03	0.00	3.39 (tm)
	SagM	-4.65	-2.26	-1.59	-0.68	-0.96	-1.71	-1.87	0.00	
	SolV	1.65	0.66						0.00	
	SagV	-4.18	-1.94						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-6.77	-6.91	0.85	1.07	-0.64	-0.63	0.11	0.15	1.46
	SagM	-7.77	-7.95	0.84	1.12	-0.73	-0.72	0.11	0.15	
	SolV	3.91						0.36		
	SagV	3.91						0.36		
K112	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	4.69	2.28	0.73	1.56	1.75	0.97	1.86	0.00	3.42 (tm)
	SagM	0.12	0.12	0.27	-0.15	-0.42	0.64	0.03	0.00	
	SolV	4.20	1.96						0.00	
	SagV	-1.62	-0.64						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-8.01	-7.80	1.14	0.82	-0.71	-0.73	0.16	0.11	2.36
	SagM	-6.96	-6.79	1.09	0.83	-0.62	-0.64	0.15	0.11	
	SolV	3.94						0.36		
	SagV	3.94						0.36		
K113	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	2.41	1.16	0.91	0.22	1.32	0.81	0.12	0.00	3.79 (tm)
	SagM	-2.16	-1.01	-0.90	-0.10	-0.74	-1.24	-0.03	0.00	
	SolV	3.17	1.43						0.00	
	SagV	-3.05	-1.35						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-7.86	-7.55	0.38	-0.10	-0.68	-0.71	0.05	-0.02	2.02
	SagM	-7.62	-7.32	0.51	0.06	-0.66	-0.69	0.07	0.00	
	SolV	3.87						0.35		
	SagV	3.87						0.35		
K114	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	-1.10	-0.39	-0.47	-0.22	-0.95	0.01	-0.44	0.00	4.11 (tm)
	SagM	-8.81	-3.95	-0.93	-3.40	-1.45	-3.48	-3.75	0.00	
	SolV	1.18	0.54						0.00	
	SagV	-5.09	-2.24						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-8.74	-8.48	0.00	-0.42	-0.77	-0.80	0.00	-0.06	1.24
	SagM	-11.95	-11.79	-0.10	-0.36	-1.07	-1.09	-0.01	-0.05	
	SolV	4.68						0.43		
	SagV	4.68						0.43		
K116	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	8.82	3.96	3.41	0.92	3.45	1.46	3.76	0.00	4.12 (tm)
	SagM	1.10	0.40	0.23	0.46	-0.04	0.96	0.46	0.00	
	SolV	5.10	2.24						0.00	
	SagV	-1.18	-0.54						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-11.95	-11.79	0.36	0.10	-1.07	-1.09	0.05	0.01	3.21
	SagM	-8.74	-8.48	0.42	0.00	-0.77	-0.80	0.06	0.00	
	SolV	4.68						0.43		
	SagV	4.68						0.43		

K117		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	2.16	1.01	0.11	0.89	1.25	0.74	0.02	0.00	3.80 (tm)
	SagM	-2.41	-1.16	-0.21	-0.91	-0.79	-1.32	-0.13	0.00	
	SolV	3.05	1.35						0.00	
	SagV	-3.17	-1.42						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-7.62	-7.32	-0.06	-0.51	-0.66	-0.69	0.00	-0.07	2.00
	SagM	-7.86	-7.55	0.10	-0.38	-0.68	-0.71	0.02	-0.05	
	SolV	3.87						0.35		
	SagV	3.87						0.35		
K118		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	-0.12	-0.12	0.13	-0.26	-0.63	0.40	-0.03	0.00	3.42 (tm)
	SagM	-4.69	-2.28	-1.59	-0.69	-0.95	-1.75	-1.87	0.00	
	SolV	1.63	0.65						0.00	
	SagV	-4.20	-1.95						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-6.96	-6.79	-0.83	-1.09	-0.62	-0.64	-0.11	-0.15	1.44
	SagM	-8.01	-7.80	-0.82	-1.14	-0.71	-0.73	-0.11	-0.16	
	SolV	3.94						0.36		
	SagV	3.94						0.36		
K119		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	7.79	2.90	0.54	2.47	2.60	0.76	2.66	0.00	2.11 (tm)
	SagM	-0.27	-0.03	0.31	-0.26	-0.23	0.47	-0.15	0.00	
	SolV	2.64	0.95						0.00	
	SagV	-1.26	-0.42						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-18.70	-16.49	2.47	-1.00	-1.47	-1.67	0.35	-0.14	4.30
	SagM	-11.98	-10.53	1.57	-0.69	-0.94	-1.07	0.22	-0.10	
	SolV	5.18						0.46		
	SagV	5.18						0.46		
K120		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	1.91	0.73	0.64	0.09	0.79	0.60	0.06	0.00	1.37 (tm)
	SagM	-1.65	-0.62	-0.59	-0.03	-0.52	-0.72	-0.02	0.00	
	SolV	1.92	0.70						0.00	
	SagV	-1.79	-0.65						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-12.32	-10.73	1.31	-1.18	-0.96	-1.10	0.18	-0.17	2.04
	SagM	-12.31	-10.72	1.32	-1.17	-0.96	-1.10	0.19	-0.17	
	SolV	6.16						0.55		
	SagV	6.16						0.55		
K121		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	1.81	0.69	0.07	0.62	0.04	0.74	0.59	0.00	1.33 (tm)
	SagM	-1.80	-0.68	-0.07	-0.62	-0.04	-0.58	-0.75	0.00	
	SolV	1.86	0.67						0.00	
	SagV	-1.85	-0.67						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-12.41	-10.84	1.22	-1.23	-0.97	-1.11	0.17	-0.17	2.02
	SagM	-12.41	-10.84	1.23	-1.22	-0.97	-1.11	0.17	-0.17	
	SolV	6.20						0.56		
	SagV	6.20						0.56		
K122		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	1.66	0.63	0.60	0.02	0.53	0.01	0.71	0.00	1.37 (tm)
	SagM	-1.90	-0.72	-0.62	-0.10	-0.79	-0.07	-0.59	0.00	
	SolV	1.79	0.65						0.00	
	SagV	-1.92	-0.70						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-12.31	-10.72	1.17	-1.32	-0.96	-1.10	0.17	-0.19	1.98
	SagM	-12.32	-10.73	1.19	-1.30	-0.96	-1.10	0.17	-0.18	
	SolV	6.16						0.55		
	SagV	6.16						0.55		
K123		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	0.28	0.04	-0.29	0.25	0.23	0.14	-0.46	0.00	2.11 (tm)
	SagM	-7.78	-2.89	-0.53	-2.49	-2.61	-2.67	-0.75	0.00	
	SolV	1.26	0.42						0.00	
	SagV	-2.64	-0.95						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-11.98	-10.53	0.69	-1.57	-0.94	-1.07	0.10	-0.22	1.66
	SagM	-18.70	-16.49	1.00	-2.47	-1.47	-1.67	0.14	-0.35	
	SolV	5.18						0.46		
	SagV	5.18						0.46		
K126		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	6.53	2.75	0.49	2.42	2.38	0.80	2.64	0.00	1.82 (tm)
	SagM	0.67	0.29	0.21	0.19	0.01	0.46	0.32	0.00	
	SolV	2.95	1.26						0.00	
	SagV	-0.38	-0.09						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-3.60	-0.24	-15.00	-20.25	0.03	-0.28	-2.15	-2.91	3.60
	SagM	-2.42	-0.11	-10.01	-13.62	0.03	-0.19	-1.44	-1.96	
	SolV	7.52						1.08		
	SagV	7.52						1.08		

K133		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	24.15	11.82	12.17	-0.12	12.06	12.06	-0.01	0.00	8.11 (tm)
	SagM	-5.36	-2.90	-2.52	-0.25	-2.68	-2.68	-0.17	0.00	
	SolV	5.73	2.77						0.00	
	SagV	-5.22	-2.63						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.09	0.02	-13.30	-13.47	0.00	-0.01	-1.87	-1.90	6.07
	SagM	-0.09	0.04	-7.68	-7.88	0.01	-0.01	-1.09	-1.11	
	SolV	2.43						0.34		
	SagV	2.43						0.34		
K134		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	5.04	2.75	0.24	2.36	2.56	0.11	2.52	0.00	8.21 (tm)
	SagM	-24.70	-12.08	0.04	-12.39	-12.26	-0.15	-12.29	0.00	
	SolV	5.11	2.58						0.00	
	SagV	-5.83	-2.82						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.06	0.07	-7.68	-7.88	0.01	0.00	-1.09	-1.11	2.77
	SagM	-0.04	0.07	-13.29	-13.46	0.01	0.00	-1.87	-1.90	
	SolV	2.42						0.34		
	SagV	2.42						0.34		
K135		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	24.15	11.82	12.17	-0.12	12.06	12.06	-0.02	0.00	8.11 (tm)
	SagM	-5.36	-2.90	-2.52	-0.25	-2.68	-2.68	-0.18	0.00	
	SolV	5.73	2.77						0.00	
	SagV	-5.22	-2.63						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.09	-0.02	-13.47	-13.30	0.00	0.01	-1.90	-1.87	6.07
	SagM	0.09	-0.04	-7.88	-7.68	-0.01	0.01	-1.11	-1.09	
	SolV	2.43						0.34		
	SagV	2.43						0.34		
K136		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	5.04	2.75	0.24	2.36	2.56	0.10	2.53	0.00	8.21 (tm)
	SagM	-24.70	-12.08	0.04	-12.39	-12.26	-0.16	-12.29	0.00	
	SolV	5.11	2.58						0.00	
	SagV	-5.83	-2.82						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.06	-0.07	-7.88	-7.68	-0.01	0.00	-1.11	-1.09	2.77
	SagM	0.04	-0.07	-13.46	-13.29	-0.01	0.00	-1.90	-1.87	
	SolV	2.42						0.34		
	SagV	2.42						0.34		
K139		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	6.50	3.37	0.55	2.77	2.94	0.64	3.07	0.00	7.53 (tm)
	SagM	-6.35	-3.33	-0.03	-3.35	-3.75	0.25	-3.26	0.00	
	SolV	5.50	2.73						0.00	
	SagV	-5.19	-2.62						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.62	-0.10	-8.29	-7.17	-0.02	0.04	-1.18	-1.02	2.87
	SagM	0.68	-0.10	-9.12	-7.89	-0.02	0.05	-1.30	-1.12	
	SolV	3.00						0.43		
	SagV	3.00						0.43		
K138		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	6.95	3.66	3.41	0.23	3.97	3.20	0.10	0.00	7.04 (tm)
	SagM	-7.70	-4.00	-3.61	-0.41	-3.45	-4.25	-0.35	0.00	
	SolV	5.31	2.69						0.00	
	SagV	-5.56	-2.80						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.50	-0.33	-10.40	-9.09	-0.04	0.03	-1.48	-1.29	2.97
	SagM	0.52	-0.32	-10.40	-9.09	-0.04	0.04	-1.48	-1.29	
	SolV	3.47						0.49		
	SagV	3.47						0.49		
K137		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	6.23	3.27	0.04	3.26	-0.27	3.70	3.19	0.00	7.49 (tm)
	SagM	-6.62	-3.43	-0.50	-2.90	-0.66	-2.94	-3.20	0.00	
	SolV	5.15	2.60						0.00	
	SagV	-5.55	-2.76						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.16	-0.62	-9.10	-7.88	-0.07	0.01	-1.30	-1.12	2.93
	SagM	0.16	-0.55	-8.28	-7.17	-0.06	0.01	-1.18	-1.02	
	SolV	3.00						0.43		
	SagV	3.00						0.43		
K142		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	9.00	4.51	0.37	4.19	4.06	0.71	4.34	0.00	7.11 (tm)
	SagM	-4.48	-2.53	0.07	-2.55	-3.01	0.52	-2.46	0.00	
	SolV	6.33	3.09						0.00	
	SagV	-4.50	-2.31						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.71	-0.89	-10.51	-8.00	-0.10	0.05	-1.50	-1.14	3.19
	SagM	0.60	-0.90	-10.50	-8.15	-0.10	0.04	-1.50	-1.16	
	SolV	3.58						0.51		
	SagV	3.58						0.51		

K212		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	5.79	2.79	1.80	0.99	2.20	2.07	1.31	0.00	3.95 (tm)
	SagM	1.15	0.61	0.10	0.52	0.36	-0.10	0.98	0.00	
	SolV	4.76	2.22						0.00	
	SagV	-1.06	-0.38						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-9.83	-9.61	1.51	1.15	-0.86	-0.88	0.20	0.15	2.60
	SagM	-8.52	-8.34	1.44	1.16	-0.75	-0.76	0.19	0.15	
	SolV	4.83						0.43		
	SagV	4.83						0.43		
K213		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	2.27	1.12	0.20	0.86	0.09	1.27	0.76	0.00	4.06 (tm)
	SagM	-2.02	-0.93	-0.07	-0.87	0.04	-0.70	-1.20	0.00	
	SolV	3.18	1.43						0.00	
	SagV	-3.05	-1.34						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-9.92	-9.55	0.50	-0.07	-0.84	-0.88	0.07	-0.01	2.02
	SagM	-9.62	-9.27	0.68	0.13	-0.82	-0.85	0.09	0.01	
	SolV	4.88						0.43		
	SagV	4.88						0.43		
K214		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	-2.40	-0.96	-0.57	-0.79	-0.91	-1.38	-0.44	0.00	5.20 (tm)
	SagM	-10.45	-4.66	-3.83	-1.35	-4.33	-1.98	-4.05	0.00	
	SolV	0.51	0.25						0.00	
	SagV	-5.76	-2.53						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-10.92	-10.59	-0.03	-0.55	-0.94	-0.97	0.00	-0.07	0.89
	SagM	-15.01	-14.81	-0.16	-0.48	-1.32	-1.34	-0.02	-0.06	
	SolV	5.86						0.52		
	SagV	5.86						0.52		
K216		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	10.46	4.67	1.35	3.83	4.33	3.99	2.04	0.00	5.22 (tm)
	SagM	2.41	0.97	0.79	0.57	0.91	0.39	1.42	0.00	
	SolV	5.76	2.53						0.00	
	SagV	-0.51	-0.25						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-15.01	-14.81	0.48	0.16	-1.32	-1.34	0.06	0.02	3.56
	SagM	-10.92	-10.59	0.55	0.03	-0.94	-0.97	0.07	0.00	
	SolV	5.86						0.52		
	SagV	5.86						0.52		
K217		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	2.02	0.93	0.85	0.08	-0.01	1.19	0.69	0.00	4.06 (tm)
	SagM	-2.27	-1.11	-0.87	-0.19	-0.08	-0.77	-1.28	0.00	
	SolV	3.05	1.34						0.00	
	SagV	-3.17	-1.43						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-9.62	-9.27	-0.13	-0.68	-0.82	-0.85	-0.01	-0.09	2.00
	SagM	-9.92	-9.55	0.07	-0.50	-0.84	-0.88	0.01	-0.07	
	SolV	4.88						0.43		
	SagV	4.88						0.43		
K218		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	-1.15	-0.61	-0.51	-0.11	-0.37	-0.95	0.07	0.00	3.94 (tm)
	SagM	-5.79	-2.79	-0.97	-1.83	-2.21	-1.28	-2.10	0.00	
	SolV	1.07	0.39						0.00	
	SagV	-4.76	-2.21						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-8.52	-8.34	-1.16	-1.44	-0.75	-0.76	-0.15	-0.19	1.22
	SagM	-9.83	-9.61	-1.15	-1.51	-0.86	-0.88	-0.15	-0.20	
	SolV	4.83						0.43		
	SagV	4.83						0.43		
K219		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	8.72	3.29	2.71	0.74	2.95	2.89	1.05	0.00	2.47 (tm)
	SagM	0.34	0.23	-0.10	0.43	0.04	-0.04	0.66	0.00	
	SolV	2.90	1.06						0.00	
	SagV	-1.00	-0.30						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-23.35	-20.59	3.03	-1.28	-1.80	-2.05	0.42	-0.18	4.47
	SagM	-14.94	-13.14	1.94	-0.86	-1.15	-1.31	0.27	-0.12	
	SolV	6.46						0.57		
	SagV	6.46						0.57		
K220		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	1.96	0.75	0.06	0.68	0.07	0.79	0.63	0.00	1.39 (tm)
	SagM	-1.59	-0.60	-0.06	-0.54	0.00	-0.52	-0.68	0.00	
	SolV	1.95	0.71						0.00	
	SagV	-1.76	-0.63						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-15.37	-13.40	1.64	-1.44	-1.17	-1.35	0.23	-0.20	2.06
	SagM	-15.36	-13.39	1.66	-1.42	-1.17	-1.34	0.23	-0.20	
	SolV	7.68						0.67		
	SagV	7.68						0.67		

K221		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	1.80	0.69	0.62	0.06	0.58	0.05	0.74	0.00	1.34 (tm)
	SagM	-1.80	-0.68	-0.61	-0.07	-0.75	-0.04	-0.58	0.00	
	SolV	1.86	0.67						0.00	
	SagV	-1.85	-0.67						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-15.45	-13.52	1.51	-1.52	-1.18	-1.35	0.21	-0.21	2.02
	SagM	-15.45	-13.52	1.52	-1.51	-1.18	-1.35	0.21	-0.21	
	SolV	7.73						0.68		
	SagV	7.73						0.68		
K222		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	1.59	0.60	0.06	0.54	0.71	0.51	-0.03	0.00	1.40 (tm)
	SagM	-1.95	-0.74	-0.07	-0.67	-0.59	-0.79	-0.10	0.00	
	SolV	1.77	0.64						0.00	
	SagV	-1.94	-0.71						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-15.36	-13.39	1.42	-1.65	-1.17	-1.34	0.20	-0.23	1.96
	SagM	-15.37	-13.40	1.44	-1.64	-1.17	-1.35	0.20	-0.23	
	SolV	7.68						0.67		
	SagV	7.68						0.67		
K223		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	-0.33	-0.22	0.09	-0.43	-0.65	0.03	-0.05	0.00	2.47 (tm)
	SagM	-8.71	-3.28	-2.72	-0.74	-1.04	-2.91	-2.96	0.00	
	SolV	1.00	0.31						0.00	
	SagV	-2.90	-1.06						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-14.94	-13.14	0.87	-1.94	-1.15	-1.31	0.12	-0.27	1.48
	SagM	-23.35	-20.59	1.29	-3.03	-1.80	-2.05	0.18	-0.42	
	SolV	6.46						0.57		
	SagV	6.46						0.57		
K226		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	7.62	3.19	2.70	0.71	2.94	2.72	1.13	0.00	2.92 (tm)
	SagM	1.41	0.59	0.38	0.35	0.53	0.25	0.69	0.00	
	SolV	3.36	1.42						0.00	
	SagV	0.02	0.07						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-4.43	-0.38	-18.01	-24.34	0.03	-0.34	-2.52	-3.41	4.50
	SagM	-3.00	-0.22	-12.02	-16.37	0.02	-0.23	-1.68	-2.29	
	SolV	9.04						1.27		
	SagV	9.04						1.27		
K225		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	4.05	1.71	-0.01	1.70	-0.06	1.76	1.68	0.00	3.98 (tm)
	SagM	-4.54	-1.94	-0.11	-1.84	-0.11	-1.86	-1.95	0.00	
	SolV	3.25	1.31						0.00	
	SagV	-3.42	-1.39						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-1.37	1.13	-10.12	-14.03	0.13	-0.09	-1.39	-1.93	2.97
	SagM	-1.44	1.06	-10.12	-14.03	0.13	-0.09	-1.39	-1.93	
	SolV	4.68						0.64		
	SagV	4.68						0.64		
K224		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	-1.95	-0.84	-0.52	-0.51	-0.73	-0.87	-0.45	0.00	4.09 (tm)
	SagM	-8.43	-3.57	-2.90	-0.94	-3.24	-1.41	-3.02	0.00	
	SolV	-0.32	-0.21						0.00	
	SagV	-3.66	-1.57						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.13	2.65	-12.02	-16.36	0.27	0.02	-1.68	-2.29	0.00
	SagM	-0.13	3.92	-18.02	-24.34	0.40	0.04	-2.52	-3.41	
	SolV	9.04						1.27		
	SagV	9.04						1.27		
K229		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	10.01	4.96	4.44	0.59	4.64	4.38	1.04	0.00	7.36 (tm)
	SagM	-3.39	-2.03	-2.23	0.28	-2.13	-2.65	0.87	0.00	
	SolV	6.69	3.25						0.00	
	SagV	-4.12	-2.14						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-0.78	1.18	-9.77	-12.83	0.13	-0.05	-1.36	-1.79	3.31
	SagM	-0.66	1.17	-9.95	-12.82	0.13	-0.04	-1.38	-1.78	
	SolV	4.38						0.61		
	SagV	4.38						0.61		
K228		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	6.92	3.64	0.22	3.39	0.11	3.90	3.23	0.00	7.10 (tm)
	SagM	-7.46	-3.89	-0.35	-3.55	-0.26	-3.43	-4.12	0.00	
	SolV	5.31	2.68						0.00	
	SagV	-5.50	-2.77						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		Xaç (m)
	SolM	-1.09	0.79	-11.12	-14.05	0.10	-0.07	-1.54	-1.94	3.00
	SagM	-1.07	0.81	-11.12	-14.05	0.10	-0.07	-1.54	-1.94	
	SolV	4.68						0.65		
	SagV	4.68						0.65		

K227		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	2.96	1.83	2.13	-0.40	1.98	-0.99	2.46	0.00	7.46 (tm)
	SagM	-10.44	-5.16	-4.55	-0.71	-4.80	-1.17	-4.56	0.00	
	SolV	3.98	2.07						0.00	
	SagV	-6.85	-3.32						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-1.38	0.45	-9.95	-12.82	0.07	-0.10	-1.38	-1.78	2.52
	SagM	-1.41	0.56	-9.76	-12.83	0.08	-0.10	-1.36	-1.79	
	SolV	4.38						0.61		
	SagV	4.38						0.61		
K232		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	6.77	3.53	2.92	0.65	3.17	3.02	0.75	0.00	7.72 (tm)
	SagM	-5.90	-3.10	-3.22	0.06	-3.12	-3.61	0.41	0.00	
	SolV	5.62	2.80						0.00	
	SagV	-5.07	-2.55						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.81	0.06	-8.77	-10.13	0.02	-0.06	-1.22	-1.41	2.93
	SagM	-0.90	0.06	-9.64	-11.13	0.02	-0.06	-1.34	-1.55	
	SolV	3.66						0.51		
	SagV	3.66						0.51		
K231		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	6.82	3.60	0.23	3.34	0.07	3.92	3.15	0.00	7.07 (tm)
	SagM	-7.84	-4.06	-0.46	-3.63	-0.37	-3.51	-4.31	0.00	
	SolV	5.27	2.67						0.00	
	SagV	-5.61	-2.82						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.61	0.41	-11.18	-12.79	0.05	-0.04	-1.55	-1.77	2.97
	SagM	-0.64	0.39	-11.18	-12.79	0.05	-0.04	-1.55	-1.77	
	SolV	4.26						0.59		
	SagV	4.26						0.59		
K230		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	5.75	3.01	3.14	-0.07	3.03	-0.42	3.53	0.00	7.67 (tm)
	SagM	-6.93	-3.61	-2.95	-0.61	-3.31	-0.76	-3.07	0.00	
	SolV	5.02	2.52						0.00	
	SagV	-5.68	-2.84						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.13	0.82	-9.63	-11.12	0.08	0.00	-1.34	-1.55	2.90
	SagM	-0.13	0.74	-8.75	-10.11	0.08	0.00	-1.22	-1.41	
	SolV	3.66						0.51		
	SagV	3.66						0.51		
K233		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	24.62	11.96	-0.02	12.31	0.15	12.20	12.21	0.00	8.30 (tm)
	SagM	-4.99	-2.78	-0.19	-2.41	-0.05	-2.58	-2.57	0.00	
	SolV	5.83	2.80						0.00	
	SagV	-5.12	-2.60						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.11	0.02	-16.67	-16.87	0.00	-0.01	-2.30	-2.33	6.07
	SagM	-0.11	0.05	-9.57	-9.80	0.01	-0.01	-1.32	-1.36	
	SolV	3.03						0.42		
	SagV	3.03						0.42		
K234		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	4.58	2.58	2.21	0.17	2.38	2.41	-0.04	0.00	8.45 (tm)
	SagM	-25.35	-12.31	-12.59	-0.10	-12.51	-12.49	-0.37	0.00	
	SolV	4.98	2.53						0.00	
	SagV	-5.96	-2.86						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-0.07	0.09	-9.56	-9.80	0.01	0.00	-1.32	-1.36	2.73
	SagM	-0.04	0.09	-16.66	-16.87	0.01	0.00	-2.30	-2.33	
	SolV	3.03						0.42		
	SagV	3.03						0.42		
K235		GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık
	SolM	24.62	11.96	-0.02	12.31	0.14	12.21	12.22	0.00	8.30 (tm)
	SagM	-4.99	-2.78	-0.19	-2.41	-0.06	-2.58	-2.56	0.00	
	SolV	5.83	2.80						0.00	
	SagV	-5.12	-2.60						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	0.11	-0.02	-16.87	-16.67	0.00	0.01	-2.33	-2.30	6.07
	SagM	0.11	-0.05	-9.80	-9.57	-0.01	0.01	-1.36	-1.32	
	SolV	3.03						0.42		
	SagV	3.03						0.42		

K236	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	4.58	2.58	2.21	0.17	2.39	2.41	0.00	8.45 (tm)	
	SagM	-25.35	-12.31	-12.59	-0.10	-12.50	-12.49	-0.38	0.00	
	SolV	4.98	2.53					0.00	0.00	
	SagV	-5.96	-2.86					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.06	-0.09	-9.80	-9.56	-0.01	0.00	-1.36	-1.32	2.73
	SagM	0.04	-0.09	-16.87	-16.66	-0.01	0.00	-2.33	-2.30	
	SolV	3.03						0.42	0.42	
	SagV	3.03						0.42	0.42	
K239	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	6.78	3.53	2.82	0.65	3.16	3.03	0.75	0.00	7.72 (tm)
	SagM	-5.90	-3.09	-3.22	0.06	-3.13	-3.60	0.41	0.00	
	SolV	5.62	2.80					0.00	0.00	
	SagV	-5.07	-2.55					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.81	-0.06	-10.13	-8.77	-0.02	0.06	-1.41	-1.22	2.93
	SagM	0.90	-0.06	-11.14	-9.64	-0.02	0.06	-1.55	-1.34	
	SolV	3.67						0.51	0.51	
	SagV	3.67						0.51	0.51	
K238	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	6.82	3.60	0.23	3.34	0.08	3.92	3.15	0.00	7.07 (tm)
	SagM	-7.84	-4.06	-0.46	-3.63	-0.37	-3.51	-4.31	0.00	
	SolV	5.27	2.67					0.00	0.00	
	SagV	-5.61	-2.82					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.61	-0.41	-12.79	-11.18	-0.05	0.04	-1.77	-1.55	2.97
	SagM	0.64	-0.39	-12.79	-11.18	-0.05	0.04	-1.77	-1.55	
	SolV	4.26						0.59	0.59	
	SagV	4.26						0.59	0.59	
K237	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	5.75	3.01	3.14	-0.07	3.03	-0.42	3.53	0.00	7.67 (tm)
	SagM	-6.94	-3.62	-2.95	-0.61	-3.31	-0.76	-3.07	0.00	
	SolV	5.02	2.52					0.00	0.00	
	SagV	-5.68	-2.84					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.13	-0.82	-11.12	-9.63	-0.08	0.00	-1.55	-1.34	2.90
	SagM	0.13	-0.74	-10.11	-8.75	-0.08	0.00	-1.41	-1.22	
	SolV	3.66						0.51	0.51	
	SagV	3.66						0.51	0.51	
K242	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	10.03	4.97	4.45	0.59	4.65	4.39	1.04	0.00	7.37 (tm)
	SagM	-3.41	-2.05	-2.25	0.28	-2.14	-2.67	0.87	0.00	
	SolV	6.69	3.25					0.00	0.00	
	SagV	-4.14	-2.15					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.78	-1.18	-12.83	-9.76	-0.13	0.05	-1.78	-1.36	3.31
	SagM	0.66	-1.17	-12.81	-9.95	-0.13	0.04	-1.78	-1.38	
	SolV	4.37						0.61	0.61	
	SagV	4.37						0.61	0.61	
K241	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	6.92	3.64	0.22	3.39	0.11	3.90	3.22	0.00	7.10 (tm)
	SagM	-7.46	-3.89	-0.35	-3.55	-0.26	-3.43	-4.12	0.00	
	SolV	5.31	2.68					0.00	0.00	
	SagV	-5.50	-2.77					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	1.09	-0.79	-14.05	-11.12	-0.10	0.07	-1.94	-1.54	3.00
	SagM	1.07	-0.81	-14.05	-11.12	-0.10	0.07	-1.94	-1.54	
	SolV	4.68						0.65	0.65	
	SagV	4.68						0.65	0.65	
K240	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	2.96	1.83	2.13	-0.40	1.97	-0.98	2.46	0.00	7.46 (tm)
	SagM	-10.44	-5.16	-4.55	-0.71	-4.80	-1.17	-4.56	0.00	
	SolV	3.98	2.07					0.00	0.00	
	SagV	-6.85	-3.32					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	1.38	-0.45	-12.82	-9.95	-0.07	0.10	-1.78	-1.38	2.52
	SagM	1.41	-0.56	-12.83	-9.76	-0.08	0.10	-1.79	-1.36	
	SolV	4.38						0.61	0.61	
	SagV	4.38						0.61	0.61	
K245	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık	
	SolM	7.64	3.20	2.68	0.74	2.97	2.71	1.14	0.00	2.90 (tm)
	SagM	1.41	0.58	0.36	0.37	0.54	0.23	0.70	0.00	
	SolV	3.36	1.43					0.00	0.00	
	SagV	0.01	0.07					0.00	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	4.43	0.38	-24.36	-18.02	-0.03	0.34	-3.41	-2.52	4.51
	SagM	3.00	0.22	-16.38	-12.03	-0.02	0.23	-2.30	-1.68	
	SolV	9.03						1.27	1.27	
	SagV	9.03						1.27	1.27	

K316		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	11.66	5.18	4.17	1.62	2.40	4.72	4.44	0.00	6.12 (tm)
	SagM	3.22	1.31	0.82	0.95	1.64	1.19	0.71	0.00	
	SolV	6.21	2.72						0.00	
	SagV	-0.06	-0.05						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-16.37	-16.16	0.56	0.23	-1.41	-1.43	0.07	0.03	3.87
	SagM	-11.20	-10.86	0.63	0.10	-0.95	-0.98	0.08	0.01	
	SolV	6.23						0.54		
	SagV	6.23						0.54		
K317		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	1.67	0.78	0.01	0.75	0.55	-0.14	1.10	0.00	4.47 (tm)
	SagM	-2.22	-1.07	-0.19	-0.83	-1.24	-0.10	-0.70	0.00	
	SolV	2.97	1.31						0.00	
	SagV	-3.25	-1.46						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-9.35	-9.03	-0.22	-0.73	-0.78	-0.81	-0.03	-0.10	1.98
	SagM	-9.86	-9.50	0.08	-0.48	-0.82	-0.86	0.01	-0.06	
	SolV	4.80						0.42		
	SagV	4.80						0.42		
K318		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	-1.33	-0.72	-0.21	-0.54	0.02	-0.47	-1.04	0.00	4.38 (tm)
	SagM	-5.46	-2.74	-1.80	-0.95	-2.07	-2.15	-1.29	0.00	
	SolV	1.10	0.37						0.00	
	SagV	-4.72	-2.23						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-8.26	-8.12	-1.33	-1.56	-0.71	-0.73	-0.18	-0.21	1.22
	SagM	-9.88	-9.68	-1.32	-1.64	-0.85	-0.87	-0.17	-0.22	
	SolV	4.77						0.42		
	SagV	4.77						0.42		
K319		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	9.46	3.61	0.91	2.88	1.26	3.18	3.14	0.00	2.79 (tm)
	SagM	0.80	0.43	0.54	0.01	0.79	0.19	0.12	0.00	
	SolV	3.10	1.15						0.00	
	SagV	-0.80	-0.22						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-26.00	-22.95	3.38	-1.39	-1.97	-2.24	0.46	-0.19	4.59
	SagM	-16.32	-14.37	2.13	-0.90	-1.23	-1.40	0.29	-0.12	
	SolV	7.14						0.61		
	SagV	7.14						0.61		
K320		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	1.95	0.74	0.63	0.10	0.59	0.06	0.81	0.00	1.44 (tm)
	SagM	-1.56	-0.59	-0.56	-0.03	-0.69	-0.01	-0.48	0.00	
	SolV	1.95	0.71						0.00	
	SagV	-1.76	-0.63						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-16.14	-14.08	1.74	-1.48	-1.20	-1.39	0.24	-0.20	2.06
	SagM	-16.16	-14.10	1.77	-1.45	-1.21	-1.39	0.24	-0.20	
	SolV	8.07						0.69		
	SagV	8.07						0.69		
K321		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	1.80	0.69	0.08	0.60	0.75	0.57	0.04	0.00	1.36 (tm)
	SagM	-1.79	-0.68	-0.08	-0.61	-0.57	-0.75	-0.05	0.00	
	SolV	1.86	0.67						0.00	
	SagV	-1.85	-0.67						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-16.28	-14.26	1.57	-1.59	-1.22	-1.40	0.21	-0.22	2.02
	SagM	-16.28	-14.26	1.59	-1.57	-1.22	-1.40	0.22	-0.21	
	SolV	8.14						0.70		
	SagV	8.14						0.70		
K322		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	1.57	0.60	0.57	0.02	-0.01	0.71	0.48	0.00	1.45 (tm)
	SagM	-1.94	-0.73	-0.62	-0.12	-0.09	-0.58	-0.80	0.00	
	SolV	1.76	0.64						0.00	
	SagV	-1.95	-0.71						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-16.16	-14.10	1.45	-1.77	-1.21	-1.39	0.20	-0.24	1.96
	SagM	-16.14	-14.08	1.48	-1.74	-1.20	-1.39	0.20	-0.24	
	SolV	8.07						0.69		
	SagV	8.07						0.69		
K323		GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Maçıklık
	SolM	-0.79	-0.42	-0.52	-0.03	-0.20	-0.79	-0.10	0.00	2.80 (tm)
	SagM	-9.45	-3.60	-0.90	-2.90	-3.20	-1.27	-3.13	0.00	
	SolV	0.80	0.22						0.00	
	SagV	-3.10	-1.14						0.00	
	Deprem+X		Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)
	SolM	-16.32	-14.37	0.90	-2.13	-1.23	-1.40	0.12	-0.29	1.36
	SagM	-26.00	-22.95	1.39	-3.38	-1.97	-2.24	0.19	-0.46	
	SolV	7.14						0.61		
	SagV	7.14						0.61		

K326	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	8.41	3.51	0.88	2.89	1.33	3.23	2.97	0.00	3.93 (tm)
	SagM	1.91	0.79	0.44	0.52	0.80	0.73	0.40	0.00	
	SolV	3.64	1.54						0.00	
	SagV	0.31	0.19						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-4.92	-0.58	-19.44	-26.22	0.01	-0.37	-2.66	-3.59	4.50
	SagM	-3.29	-0.37	-12.67	-17.23	0.01	-0.25	-1.73	-2.36	
	SolV	9.65						1.32		
	SagV	9.65						1.32		
K325	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	3.96	1.67	1.68	-0.03	1.65	-0.09	1.73	0.00	4.10 (tm)
	SagM	-4.52	-1.93	-1.82	-0.13	-1.92	-0.12	-1.85	0.00	
	SolV	3.24	1.31						0.00	
	SagV	-3.43	-1.40						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-1.46	1.24	-10.92	-15.13	0.14	-0.09	-1.47	-2.04	2.97
	SagM	-1.56	1.13	-10.92	-15.13	0.14	-0.10	-1.47	-2.04	
	SolV	5.04						0.68		
	SagV	5.04						0.68		
K324	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	-2.53	-1.08	-0.59	-0.70	-0.59	-0.95	-1.05	0.00	5.26 (tm)
	SagM	-9.36	-3.96	-1.12	-3.16	-3.26	-3.57	-1.72	0.00	
	SolV	-0.66	-0.35						0.00	
	SagV	-3.99	-1.70						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.02	2.93	-12.68	-17.23	0.30	0.04	-1.73	-2.36	0.00
	SagM	0.05	4.39	-19.44	-26.22	0.44	0.06	-2.66	-3.59	
	SolV	9.65						1.32		
	SagV	9.65						1.32		
K329	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	10.84	5.33	0.74	4.68	1.24	4.94	4.66	0.00	7.61 (tm)
	SagM	-2.56	-1.66	0.38	-1.95	1.02	-1.80	-2.36	0.00	
	SolV	6.98	3.38						0.00	
	SagV	-3.84	-2.02						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-0.78	1.37	-10.71	-14.07	0.15	-0.04	-1.46	-1.92	3.39
	SagM	-0.63	1.32	-10.66	-13.71	0.14	-0.03	-1.45	-1.87	
	SolV	4.75						0.65		
	SagV	4.75						0.65		
K328	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	6.81	3.59	3.34	0.23	3.15	0.06	3.91	0.00	7.28 (tm)
	SagM	-7.43	-3.88	-3.49	-0.40	-4.10	-0.33	-3.36	0.00	
	SolV	5.30	2.68						0.00	
	SagV	-5.51	-2.77						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-1.16	0.83	-11.82	-14.93	0.10	-0.07	-1.60	-2.02	2.97
	SagM	-1.13	0.86	-11.82	-14.93	0.10	-0.07	-1.60	-2.02	
	SolV	4.98						0.67		
	SagV	4.98						0.67		
K327	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	2.08	1.43	-0.50	1.81	2.24	1.62	-1.24	0.00	7.75 (tm)
	SagM	-11.34	-5.57	-0.87	-4.82	-4.81	-5.12	-1.46	0.00	
	SolV	3.67	1.94						0.00	
	SagV	-7.15	-3.46						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-1.53	0.42	-10.65	-13.71	0.07	-0.11	-1.45	-1.87	2.43
	SagM	-1.61	0.55	-10.70	-14.07	0.08	-0.11	-1.46	-1.92	
	SolV	4.75						0.65		
	SagV	4.75						0.65		
K332	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.48	3.76	0.81	2.87	0.96	3.32	3.10	0.00	7.73 (tm)
	SagM	-5.32	-2.87	0.11	-3.06	0.51	-2.93	-3.48	0.00	
	SolV	5.84	2.88						0.00	
	SagV	-4.85	-2.47						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-0.90	-0.01	-9.03	-10.43	0.01	-0.07	-1.23	-1.42	2.99
	SagM	-1.02	-0.03	-10.02	-11.57	0.01	-0.07	-1.36	-1.58	
	SolV	3.79						0.52		
	SagV	3.79						0.52		
K331	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	6.67	3.54	3.27	0.23	3.05	0.02	3.93	0.00	7.25 (tm)
	SagM	-7.88	-4.08	-3.59	-0.53	-4.31	-0.47	-3.45	0.00	
	SolV	5.24	2.65						0.00	
	SagV	-5.64	-2.83						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-0.64	0.44	-11.87	-13.56	0.05	-0.04	-1.61	-1.84	2.94
	SagM	-0.67	0.41	-11.88	-13.56	0.05	-0.04	-1.61	-1.84	
	SolV	4.52						0.61		
	SagV	4.52						0.61		

K330	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	5.19	2.80	-0.10	2.96	3.43	2.86	-0.57	0.00	7.66 (tm)
	SagM	-7.64	-3.84	-0.75	-3.04	-3.19	-3.40	-0.98	0.00	
	SolV	4.80	2.45						0.00	
	SagV	-5.90	-2.91						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-0.04	0.95	-10.01	-11.55	0.09	0.01	-1.36	-1.57	2.81
	SagM	-0.06	0.83	-9.02	-10.42	0.08	0.00	-1.23	-1.42	
	SolV	3.79						0.52		
	SagV	3.79						0.52		
K333	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	24.49	11.95	12.39	-0.05	12.33	0.10	12.24	0.00	8.13 (tm)
	SagM	-5.25	-2.82	-2.35	-0.26	-2.49	-0.14	-2.59	0.00	
	SolV	5.78	2.80						0.00	
	SagV	-5.17	-2.61						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-0.12	0.01	-18.46	-18.67	0.00	-0.01	-2.50	-2.53	6.07
	SagM	-0.12	0.04	-10.27	-10.52	0.01	-0.01	-1.39	-1.43	
	SolV	3.32						0.45		
	SagV	3.32						0.45		
K334	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	4.78	2.60	0.23	2.12	0.04	2.36	2.31	0.00	8.29 (tm)
	SagM	-25.35	-12.36	-0.09	-12.71	-0.36	-12.60	-12.64	0.00	
	SolV	5.01	2.53						0.00	
	SagV	-5.93	-2.87						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	-0.06	0.10	-10.26	-10.51	0.01	0.00	-1.39	-1.43	2.73
	SagM	-0.03	0.10	-18.45	-18.66	0.01	0.00	-2.50	-2.53	
	SolV	3.31						0.45		
	SagV	3.31						0.45		
K335	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	24.49	11.95	12.39	-0.05	12.34	0.10	12.24	0.00	8.13 (tm)
	SagM	-5.25	-2.82	-2.35	-0.26	-2.48	-0.15	-2.59	0.00	
	SolV	5.78	2.80						0.00	
	SagV	-5.17	-2.61						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.12	-0.01	-18.67	-18.46	0.00	0.01	-2.53	-2.50	6.07
	SagM	0.12	-0.04	-10.52	-10.27	-0.01	0.01	-1.43	-1.39	
	SolV	3.32						0.45		
	SagV	3.32						0.45		
K336	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	4.78	2.60	0.23	2.12	0.03	2.37	2.31	0.00	8.29 (tm)
	SagM	-25.35	-12.36	-0.09	-12.71	-0.37	-12.59	-12.64	0.00	
	SolV	5.01	2.53						0.00	
	SagV	-5.93	-2.87						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.06	-0.10	-10.51	-10.26	-0.01	0.00	-1.43	-1.39	2.73
	SagM	0.03	-0.10	-18.66	-18.45	-0.01	0.00	-2.53	-2.50	
	SolV	3.31						0.45		
	SagV	3.31						0.45		
K339	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	7.48	3.76	0.81	2.88	0.95	3.32	3.11	0.00	7.73 (tm)
	SagM	-5.32	-2.87	0.11	-3.06	0.50	-2.93	-3.47	0.00	
	SolV	5.84	2.88						0.00	
	SagV	-4.85	-2.47						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.90	0.01	-10.43	-9.03	-0.01	0.07	-1.42	-1.23	2.99
	SagM	1.02	0.02	-11.57	-10.02	-0.01	0.07	-1.58	-1.36	
	SolV	3.79						0.52		
	SagV	3.79						0.52		
K338	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	6.67	3.54	3.27	0.23	3.05	0.02	3.93	0.00	7.25 (tm)
	SagM	-7.88	-4.08	-3.59	-0.53	-4.31	-0.47	-3.45	0.00	
	SolV	5.24	2.65						0.00	
	SagV	-5.64	-2.83						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.64	-0.44	-13.56	-11.87	-0.05	0.04	-1.84	-1.61	2.94
	SagM	0.67	-0.41	-13.56	-11.88	-0.05	0.04	-1.84	-1.61	
	SolV	4.52						0.61		
	SagV	4.52						0.61		
K337	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Maçıklık	
	SolM	5.19	2.80	-0.10	2.96	3.44	2.86	-0.58	0.00	7.66 (tm)
	SagM	-7.64	-3.84	-0.75	-3.04	-3.18	-3.40	-0.99	0.00	
	SolV	4.80	2.45						0.00	
	SagV	-5.90	-2.91						0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	Xaç (m)	
	SolM	0.04	-0.95	-11.55	-10.01	-0.09	-0.01	-1.57	-1.36	2.81
	SagM	0.06	-0.83	-10.42	-9.02	-0.08	0.00	-1.42	-1.23	
	SolV	3.79						0.52		
	SagV	3.79						0.52		

KOLON STATİK HESAP SONUÇLARI

S401	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	-9.20	-3.81	-4.29	-0.01	-4.84	-0.37	-3.40	0.00	I = 26
Alt Mx	-13.93	-6.03	-1.24	-5.43	-1.38	-6.10	-5.86	0.00	J = 14
Üst My	-12.09	-5.56	-4.14	-1.53	-3.78	-2.16	-5.40	0.00	
Alt My	-5.39	-2.57	0.08	-2.45	-0.57	-2.09	-2.08	0.00	
Tx	-7.71	-3.28	-1.84	-1.81	-2.07	-2.16	-3.09	0.00	POLİGON
Ty	-5.83	-2.71	-1.35	-1.33	-1.45	-1.42	-2.49	0.00	KOLON
Nz	210.93	54.09	54.09	54.09	54.09	54.09	54.09	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	-104.48	-121.04	33.26	58.88	-6.82	-6.10	3.26	5.01	
Alt Mx	204.94	241.43	-48.19	-104.99	17.84	15.32	-5.33	-11.42	
Üst My	47.59	56.10	-23.88	-37.01	3.35	3.10	-1.38	-1.98	
Alt My	-67.44	-94.22	84.62	126.31	-7.05	-5.17	9.62	14.17	
Tx	33.49	40.13	-4.98	-15.37	3.67	3.08	-0.69	-2.14	
Ty	-6.62	-12.70	20.25	29.77	-1.23	-0.69	2.75	4.06	
Nz	-49.75	-42.31	-64.79	-76.39	-3.41	-4.02	-8.29	-9.77	
S301	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	-8.11	-3.30	0.25	-4.02	0.01	-3.69	-3.86	0.00	I = 14
Alt Mx	-13.93	-6.09	-5.51	-1.22	-6.18	-5.35	-1.92	0.00	J = 6
Üst My	-11.58	-5.43	-1.64	-3.92	-1.97	-4.85	-4.31	0.00	
Alt My	-4.15	-1.99	-2.04	0.30	-1.60	-2.07	0.18	0.00	
Tx	-7.35	-3.13	-1.75	-1.74	-2.06	-3.01	-1.93	0.00	POLİGON
Ty	-5.24	-2.47	-1.23	-1.21	-1.19	-2.31	-1.38	0.00	KOLON
Nz	243.52	62.87	62.87	62.87	62.87	62.87	62.87	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	-181.69	-215.06	51.71	103.65	-15.49	-13.25	5.81	11.24	
Alt Mx	279.20	333.64	-69.03	-153.95	27.06	22.79	-8.40	-18.73	
Üst My	73.21	93.39	-54.33	-85.72	6.88	5.58	-5.49	-8.63	
Alt My	-96.30	-134.61	109.67	169.43	-11.13	-8.12	13.38	20.66	
Tx	32.50	39.53	-5.77	-16.77	3.85	3.18	-0.86	-2.50	
Ty	-7.70	-13.74	18.45	27.90	-1.41	-0.84	2.63	4.01	
Nz	-58.02	-49.09	-76.49	-90.42	-3.99	-4.73	-9.89	-11.68	
S201	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	-7.24	-2.87	-3.75	0.43	-3.32	-4.11	0.80	0.00	I = 6
Alt Mx	-13.75	-6.07	-1.29	-5.40	-5.32	-1.37	-6.67	0.00	J = 2
Üst My	-11.21	-5.32	-3.89	-1.55	-4.75	-3.79	-2.34	0.00	
Alt My	-2.50	-1.22	0.74	-1.65	-1.61	0.46	-0.67	0.00	
Tx	-6.99	-2.98	-1.68	-1.65	-2.88	-1.83	-1.96	0.00	POLİGON
Ty	-4.57	-2.18	-1.05	-1.07	-2.12	-1.11	-1.00	0.00	KOLON
Nz	275.34	71.32	71.32	71.32	71.32	71.32	71.32	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	-258.47	-310.09	72.17	152.70	-24.92	-20.90	8.83	18.55	
Alt Mx	376.84	454.83	-95.23	-217.03	39.79	33.12	-12.47	-28.60	
Üst My	101.57	133.78	-81.80	-132.03	10.96	8.50	-9.49	-15.44	
Alt My	-131.25	-185.28	145.77	230.15	-16.50	-11.88	19.16	30.35	
Tx	39.46	48.25	-7.68	-21.45	4.96	4.07	-1.21	-3.35	
Ty	-9.89	-17.16	21.32	32.71	-1.85	-1.12	3.22	4.97	
Nz	-65.52	-55.18	-87.35	-103.50	-4.51	-5.38	-11.40	-13.51	
S101	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	-6.46	-2.47	0.70	-3.60	-3.83	0.55	-2.54	0.00	I = 2
Alt Mx	-12.91	-5.83	-5.51	-0.81	-1.12	-5.90	-5.62	0.00	J = 1
Üst My	-10.74	-5.17	-1.57	-3.72	-3.58	-1.94	-5.07	0.00	
Alt My	-2.01	-0.96	-1.44	0.81	0.75	-1.03	-0.99	0.00	
Tx	-6.45	-2.77	-1.60	-1.47	-1.65	-1.78	-2.72	0.00	POLİGON
Ty	-4.25	-2.04	-1.00	-0.97	-0.94	-0.99	-2.02	0.00	KOLON
Nz	306.14	79.33	79.33	79.33	79.33	79.33	79.33	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	-360.25	-435.98	97.79	216.07	-38.04	-31.58	12.83	28.46	
Alt Mx	491.47	598.42	-133.95	-301.10	54.98	45.32	-18.64	-42.00	
Üst My	135.61	184.61	-122.69	-199.21	16.37	12.21	-15.86	-25.93	
Alt My	-177.71	-249.89	185.53	298.36	-23.44	-16.94	25.42	41.14	
Tx	43.74	54.15	-12.05	-28.34	5.65	4.58	-1.94	-4.51	
Ty	-14.03	-21.76	20.95	33.05	-2.36	-1.58	3.19	5.07	
Nz	-71.58	-60.04	-96.34	-114.35	-4.93	-5.91	-12.69	-15.06	
S201	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	-6.17	-2.24	-3.24	0.50	0.64	-2.96	-3.17	0.00	I = 1
Alt Mx	-4.13	-2.17	-1.09	-1.08	-1.89	-1.44	-1.03	0.00	J =
Üst My	-8.65	-4.33	-3.30	-1.08	-1.52	-3.90	-3.34	0.00	
Alt My	2.88	1.50	0.16	1.54	2.02	0.67	0.72	0.00	
Tx	-2.58	-1.10	-1.08	-0.15	-0.31	-1.10	-1.05	0.00	POLİGON
Ty	-1.44	-0.71	-0.78	0.12	0.13	-0.81	-0.66	0.00	KOLON
Nz	340.80	86.80	86.80	86.80	86.80	86.80	86.80	0.00	H = 4.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	-480.54	-586.04	135.78	300.67	-53.81	-44.28	18.90	41.94	
Alt Mx	718.12	870.36	-183.51	-421.53	84.53	70.09	-26.69	-61.65	
Üst My	180.84	249.61	-169.37	-276.86	23.37	17.19	-23.04	-37.98	
Alt My	-232.23	-340.85	321.40	491.25	-33.62	-23.25	47.87	72.96	
Tx	59.40	71.08	-11.93	-30.21	7.68	6.45	-1.95	-4.93	
Ty	-12.85	-22.81	38.01	53.60	-2.56	-1.51	6.21	8.75	
Nz	-75.62	-63.26	-102.60	-121.90	-5.22	-6.28	-13.61	-16.18	

S402	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.36	-0.57	-0.08	-0.54	-0.59	-0.57	-0.07	0.00	
Alt Mx	-1.19	-0.50	-0.42	-0.12	-0.65	-0.27	-0.17	0.00	I = 45
Üst My	-2.77	-1.47	-1.19	-0.25	-0.87	-0.32	-1.69	0.00	J = 27
Alt My	-2.29	-1.27	-0.34	-0.90	-0.28	-0.73	-1.48	0.00	
Tx	-0.85	-0.36	-0.17	-0.22	-0.41	-0.28	-0.08	0.00	Bx= 70 cm
Ty	-1.69	-0.92	-0.51	-0.38	-0.38	-0.35	-1.06	0.00	By= 35 cm
Nz	58.25	19.20	19.20	19.20	19.20	19.20	19.20	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	13.04	14.87	1.82	-1.03	1.32	1.16	0.24	-0.14	
Alt Mx	13.06	14.87	1.75	-1.07	1.30	1.14	0.23	-0.14	
Üst My	0.41	0.03	3.99	4.58	0.00	0.03	0.54	0.62	
Alt My	0.38	0.01	3.95	4.53	0.00	0.03	0.53	0.61	
Tx	8.70	9.91	1.19	-0.70	0.87	0.77	0.16	-0.10	
Ty	0.26	0.01	2.65	3.04	0.00	0.02	0.36	0.41	
Nz	-1.10	0.10	-15.24	-17.10	0.02	-0.08	-1.95	-2.19	
S302	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.41	-0.60	-0.68	0.02	-0.68	0.00	-0.63	0.00	
Alt Mx	-1.24	-0.53	-0.07	-0.51	-0.23	-0.16	-0.76	0.00	I = 27
Üst My	-3.02	-1.71	-0.16	-1.52	-0.23	-2.06	-1.08	0.00	J = 15
Alt My	-3.15	-1.71	-1.28	-0.40	-1.04	-1.96	-0.35	0.00	
Tx	-0.88	-0.38	-0.25	-0.16	-0.30	-0.05	-0.47	0.00	Bx= 80 cm
Ty	-2.06	-1.14	-0.48	-0.64	-0.42	-1.34	-0.48	0.00	By= 40 cm
Nz	69.31	23.07	23.07	23.07	23.07	23.07	23.07	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	15.23	17.38	2.09	-1.28	1.58	1.38	0.29	-0.18	
Alt Mx	15.92	18.14	2.09	-1.37	1.62	1.42	0.28	-0.19	
Üst My	0.47	-0.01	4.92	5.66	-0.01	0.03	0.68	0.78	
Alt My	0.45	-0.04	5.06	5.82	-0.01	0.03	0.69	0.79	
Tx	10.38	11.84	1.39	-0.88	1.06	0.94	0.19	-0.12	
Ty	0.30	-0.01	3.33	3.83	-0.01	0.02	0.46	0.53	
Nz	-2.16	-0.82	-18.47	-20.55	-0.05	-0.17	-2.39	-2.66	
S202	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.95	-0.40	0.05	-0.50	0.10	-0.52	-0.46	0.00	
Alt Mx	-0.87	-0.37	-0.45	0.04	-0.07	-0.67	-0.07	0.00	I = 15
Üst My	-3.14	-1.62	-1.36	-0.23	-1.97	-0.88	-0.34	0.00	J = 7
Alt My	-2.94	-1.54	-0.29	-1.22	-1.83	-0.16	-1.04	0.00	
Tx	-0.61	-0.26	-0.13	-0.15	0.01	-0.40	-0.18	0.00	Bx= 80 cm
Ty	-2.03	-1.05	-0.55	-0.49	-1.27	-0.35	-0.46	0.00	By= 40 cm
Nz	80.36	26.96	26.96	26.96	26.96	26.96	26.96	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	10.41	11.92	1.46	-0.90	1.12	0.98	0.21	-0.13	
Alt Mx	13.25	15.11	1.71	-1.20	1.38	1.22	0.24	-0.17	
Üst My	0.32	-0.03	3.58	4.13	-0.01	0.02	0.51	0.59	
Alt My	0.34	-0.07	4.24	4.87	-0.01	0.02	0.59	0.68	
Tx	7.89	9.01	1.06	-0.70	0.83	0.73	0.15	-0.10	
Ty	0.22	-0.03	2.61	3.00	-0.01	0.02	0.37	0.42	
Nz	-3.43	-2.00	-21.62	-23.87	-0.16	-0.28	-2.83	-3.12	
S102	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.68	-0.29	-0.45	0.13	-0.41	-0.38	0.15	0.00	
Alt Mx	-0.59	-0.26	0.05	-0.33	-0.53	0.03	-0.06	0.00	I = 7
Üst My	-3.10	-1.64	-0.24	-1.39	-0.93	-0.44	-1.88	0.00	J = 3
Alt My	-3.35	-1.77	-1.26	-0.50	-0.38	-1.34	-1.78	0.00	
Tx	-0.42	-0.18	-0.13	-0.07	-0.31	-0.11	0.03	0.00	Bx= 80 cm
Ty	-2.15	-1.14	-0.50	-0.63	-0.44	-0.59	-1.22	0.00	By= 40 cm
Nz	91.53	30.88	30.88	30.88	30.88	30.88	30.88	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	7.83	8.96	1.13	-0.65	0.86	0.75	0.16	-0.10	
Alt Mx	11.83	13.51	1.55	-1.07	1.26	1.10	0.22	-0.15	
Üst My	0.24	-0.03	2.84	3.27	-0.01	0.02	0.41	0.48	
Alt My	0.28	-0.08	3.82	4.39	-0.01	0.02	0.55	0.63	
Tx	6.55	7.49	0.89	-0.57	0.70	0.62	0.13	-0.08	
Ty	0.17	-0.04	2.22	2.55	-0.01	0.01	0.32	0.37	
Nz	-4.44	-2.92	-24.19	-26.57	-0.24	-0.37	-3.20	-3.51	
SZ02	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.22	-0.09	0.29	-0.39	-0.31	0.23	-0.14	0.00	
Alt Mx	-0.10	-0.05	0.13	-0.18	-0.15	0.11	-0.06	0.00	I = 3
Üst My	-1.60	-0.84	-1.13	0.29	0.14	-1.11	-0.72	0.00	J =
Alt My	-0.75	-0.40	-0.54	0.15	0.08	-0.53	-0.34	0.00	
Tx	-0.08	-0.04	0.10	-0.14	-0.11	0.09	-0.05	0.00	Bx= 80 cm
Ty	-0.59	-0.31	-0.42	0.11	0.06	-0.41	-0.26	0.00	By= 40 cm
Nz	103.44	34.75	34.75	34.75	34.75	34.75	34.75	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	1.88	2.14	0.32	-0.10	0.23	0.20	0.05	-0.02	
Alt Mx	7.77	8.85	0.90	-0.79	0.87	0.77	0.13	-0.12	
Üst My	0.07	0.00	0.84	0.95	0.00	0.01	0.13	0.15	
Alt My	0.13	-0.08	2.27	2.60	-0.01	0.01	0.34	0.39	
Tx	2.41	2.75	0.30	-0.22	0.28	0.24	0.05	-0.03	
Ty	0.05	-0.02	0.78	0.89	0.00	0.00	0.12	0.14	
Nz	-5.04	-3.47	-25.85	-28.31	-0.29	-0.42	-3.44	-3.76	

S403	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.08	-0.03	-0.28	0.25	0.30	-0.18	-0.18	0.00	
Alt Mx	-0.08	-0.03	0.13	-0.16	0.16	-0.29	0.08	0.00	I = 70
Üst My	-1.56	-0.97	-0.87	0.02	-0.54	0.15	-1.31	0.00	J = 48
Alt My	-1.20	-0.82	-0.06	-0.65	0.08	-0.31	-1.19	0.00	
Tx	-0.05	-0.02	-0.05	0.03	0.16	-0.16	-0.03	0.00	Bx= 70 cm
Ty	-0.92	-0.59	-0.31	-0.21	-0.15	-0.05	-0.84	0.00	By= 35 cm
Nz	60.97	20.22	20.22	20.22	20.22	20.22	20.22	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	12.57	14.40	1.51	-1.35	1.28	1.12	0.20	-0.18	
Alt Mx	12.72	14.54	1.49	-1.35	1.27	1.12	0.20	-0.18	
Üst My	0.04	-0.04	4.77	4.90	0.00	0.00	0.64	0.66	
Alt My	0.04	-0.04	4.63	4.75	0.00	0.00	0.62	0.63	
Tx	8.43	9.65	1.00	-0.90	0.85	0.74	0.13	-0.12	
Ty	0.03	-0.03	3.13	3.22	0.00	0.00	0.42	0.43	
Nz	-0.75	-0.45	-18.24	-18.71	-0.03	-0.06	-2.34	-2.40	
S303	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.11	-0.04	0.34	-0.38	-0.22	-0.26	0.41	0.00	
Alt Mx	-0.10	-0.04	-0.26	0.22	-0.40	0.13	0.20	0.00	I = 48
Üst My	-1.70	-1.16	0.16	-1.19	0.33	-1.67	-0.72	0.00	J = 30
Alt My	-2.01	-1.22	-1.01	-0.10	-0.58	-1.69	0.06	0.00	
Tx	-0.07	-0.03	0.03	-0.05	-0.21	-0.04	0.20	0.00	Bx= 80 cm
Ty	-1.24	-0.79	-0.28	-0.43	-0.08	-1.12	-0.22	0.00	By= 40 cm
Nz	72.12	24.16	24.16	24.16	24.16	24.16	24.16	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	15.06	17.27	1.81	-1.64	1.57	1.37	0.25	-0.23	
Alt Mx	15.89	18.16	1.85	-1.71	1.62	1.42	0.25	-0.23	
Üst My	0.05	-0.05	5.60	5.74	-0.01	0.00	0.77	0.79	
Alt My	0.05	-0.05	5.63	5.79	-0.01	0.00	0.77	0.79	
Tx	10.32	11.81	1.22	-1.12	1.06	0.93	0.17	-0.15	
Ty	0.03	-0.03	3.74	3.84	0.00	0.00	0.51	0.53	
Nz	-0.84	-0.49	-21.42	-21.97	-0.04	-0.07	-2.77	-2.84	
S203	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.08	-0.03	-0.32	0.29	-0.19	0.36	-0.23	0.00	
Alt Mx	-0.07	-0.03	0.23	-0.26	0.17	0.18	-0.40	0.00	I = 30
Üst My	-2.32	-1.27	-1.16	-0.03	-1.76	-0.67	0.06	0.00	J = 18
Alt My	-2.18	-1.21	-0.09	-1.04	-1.70	0.14	-0.70	0.00	
Tx	-0.05	-0.02	-0.03	0.01	0.00	0.18	-0.21	0.00	Bx= 80 cm
Ty	-1.50	-0.83	-0.42	-0.36	-1.15	-0.18	-0.22	0.00	By= 40 cm
Nz	83.25	28.09	28.09	28.09	28.09	28.09	28.09	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	10.49	12.07	1.28	-1.18	1.13	0.99	0.18	-0.17	
Alt Mx	13.30	15.23	1.54	-1.46	1.40	1.22	0.22	-0.20	
Üst My	0.03	-0.03	3.92	4.02	0.00	0.00	0.56	0.57	
Alt My	0.04	-0.04	4.59	4.73	0.00	0.00	0.64	0.66	
Tx	7.93	9.10	0.94	-0.88	0.84	0.74	0.13	-0.12	
Ty	0.02	-0.02	2.84	2.91	0.00	0.00	0.40	0.41	
Nz	-0.92	-0.52	-24.33	-24.96	-0.04	-0.07	-3.18	-3.26	
S103	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.05	-0.02	0.28	-0.30	0.33	-0.21	-0.16	0.00	
Alt Mx	-0.05	-0.02	-0.21	0.20	0.10	-0.35	0.22	0.00	I = 18
Üst My	-2.61	-1.45	-0.12	-1.27	-0.81	-0.17	-1.78	0.00	J = 10
Alt My	-3.00	-1.64	-1.19	-0.40	-0.20	-1.19	-1.79	0.00	
Tx	-0.03	-0.01	0.02	-0.04	0.14	-0.19	0.02	0.00	Bx= 80 cm
Ty	-1.87	-1.03	-0.43	-0.56	-0.34	-0.45	-1.19	0.00	By= 40 cm
Nz	94.54	32.08	32.08	32.08	32.08	32.08	32.08	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	7.82	9.01	0.96	-0.90	0.86	0.75	0.14	-0.13	
Alt Mx	11.81	13.53	1.37	-1.33	1.26	1.10	0.19	-0.19	
Üst My	0.02	-0.02	3.08	3.15	0.00	0.00	0.44	0.46	
Alt My	0.04	-0.04	4.08	4.21	0.00	0.00	0.58	0.60	
Tx	6.54	7.51	0.78	-0.74	0.71	0.62	0.11	-0.11	
Ty	0.02	-0.02	2.39	2.45	0.00	0.00	0.34	0.35	
Nz	-0.98	-0.55	-26.68	-27.36	-0.04	-0.08	-3.51	-3.60	
SZ03	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.02	-0.01	-0.36	0.35	-0.08	-0.23	0.30	0.00	
Alt Mx	-0.01	0.00	-0.17	0.17	-0.04	-0.11	0.14	0.00	I = 10
Üst My	-1.54	-0.83	-1.13	0.32	0.26	-1.11	-0.78	0.00	J =
Alt My	-0.72	-0.39	-0.55	0.16	0.14	-0.53	-0.37	0.00	
Tx	-0.01	0.00	-0.13	0.13	-0.03	-0.09	0.11	0.00	Bx= 80 cm
Ty	-0.57	-0.31	-0.42	0.12	0.10	-0.41	-0.29	0.00	By= 40 cm
Nz	106.62	36.05	36.05	36.05	36.05	36.05	36.05	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	1.85	2.14	0.23	-0.22	0.23	0.20	0.04	-0.04	
Alt Mx	7.76	8.85	0.86	-0.85	0.87	0.77	0.13	-0.13	
Üst My	0.00	0.00	0.89	0.90	0.00	0.00	0.14	0.14	
Alt My	0.03	-0.03	2.39	2.48	0.00	0.00	0.36	0.37	
Tx	2.40	2.75	0.27	-0.27	0.28	0.24	0.04	-0.04	
Ty	0.01	-0.01	0.82	0.85	0.00	0.00	0.12	0.13	
Nz	-1.03	-0.57	-28.20	-28.92	-0.04	-0.08	-3.73	-3.82	

RC M...

S404	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	0.07	0.02	0.28	-0.25	-0.15	0.35	-0.15	0.00	
Alt Mx	0.07	0.02	-0.14	0.16	0.11	0.20	-0.26	0.00	I = 99
Üst My	-1.56	-0.97	-0.87	0.02	-0.55	0.15	-1.30	0.00	J = 74
Alt My	-1.20	-0.82	-0.07	-0.65	0.07	-0.31	-1.19	0.00	
Tx	0.05	0.02	0.05	-0.03	-0.01	0.18	-0.14	0.00	Bx= 70 cm
Ty	-0.92	-0.59	-0.31	-0.21	-0.16	-0.05	-0.83	0.00	By= 35 cm
Nz	60.97	20.21	20.21	20.21	20.21	20.21	20.21	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	12.57	14.40	1.35	-1.51	1.28	1.12	0.18	-0.20	
Alt Mx	12.72	14.54	1.35	-1.49	1.27	1.11	0.18	-0.20	
Üst My	-0.04	0.04	4.90	4.77	0.00	0.00	0.66	0.64	
Alt My	-0.04	0.04	4.75	4.63	0.00	0.00	0.63	0.62	
Tx	8.43	9.65	0.90	-1.00	0.85	0.74	0.12	-0.13	
Ty	-0.03	0.03	3.22	3.13	0.00	0.00	0.42	0.42	
Nz	0.76	0.46	-18.71	-18.25	0.04	0.06	-2.40	-2.34	
S304	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	0.09	0.03	-0.35	0.39	0.46	-0.17	-0.21	0.00	
Alt Mx	0.08	0.03	0.25	-0.22	0.25	-0.35	0.17	0.00	I = 74
Üst My	-1.70	-1.16	0.16	-1.19	0.32	-1.65	-0.73	0.00	J = 52
Alt My	-2.01	-1.22	-1.01	-0.10	-0.57	-1.68	0.03	0.00	
Tx	0.06	0.02	-0.03	0.06	0.23	-0.17	-0.01	0.00	Bx= 80 cm
Ty	-1.24	-0.79	-0.28	-0.43	-0.08	-1.11	-0.23	0.00	By= 40 cm
Nz	72.13	24.15	24.15	24.15	24.15	24.15	24.15	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	15.06	17.27	1.65	-1.80	1.57	1.37	0.23	-0.25	
Alt Mx	15.88	18.16	1.71	-1.84	1.62	1.42	0.23	-0.25	
Üst My	-0.04	0.05	5.74	5.60	0.01	0.00	0.79	0.77	
Alt My	-0.05	0.05	5.79	5.63	0.01	0.00	0.79	0.77	
Tx	10.32	11.81	1.12	-1.22	1.06	0.93	0.15	-0.17	
Ty	-0.03	0.03	3.84	3.74	0.00	0.00	0.53	0.51	
Nz	0.86	0.51	-21.97	-21.42	0.04	0.07	-2.84	-2.77	
S204	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	0.07	0.02	0.32	-0.29	-0.20	-0.15	0.40	0.00	
Alt Mx	0.06	0.02	-0.24	0.26	-0.37	0.21	0.21	0.00	I = 52
Üst My	-2.32	-1.27	-1.16	-0.03	-1.74	-0.68	0.05	0.00	J = 34
Alt My	-2.18	-1.21	-0.09	-1.04	-1.69	0.11	-0.69	0.00	
Tx	0.04	0.02	0.03	-0.01	-0.19	0.02	0.20	0.00	Bx= 80 cm
Ty	-1.50	-0.83	-0.42	-0.36	-1.14	-0.19	-0.21	0.00	By= 40 cm
Nz	83.26	28.08	28.08	28.08	28.08	28.08	28.08	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	10.49	12.06	1.18	-1.27	1.13	0.99	0.17	-0.18	
Alt Mx	13.30	15.22	1.46	-1.54	1.40	1.22	0.20	-0.22	
Üst My	-0.03	0.03	4.02	3.92	0.00	0.00	0.57	0.56	
Alt My	-0.04	0.04	4.73	4.59	0.01	0.00	0.66	0.64	
Tx	7.93	9.10	0.88	-0.94	0.84	0.74	0.12	-0.13	
Ty	-0.02	0.02	2.91	2.84	0.00	0.00	0.41	0.40	
Nz	0.93	0.54	-24.95	-24.34	0.04	0.07	-3.26	-3.18	
S104	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	0.05	0.02	-0.29	0.31	-0.14	0.35	-0.18	0.00	
Alt Mx	0.04	0.01	0.21	-0.19	0.24	0.12	-0.32	0.00	I = 34
Üst My	-2.61	-1.45	-0.12	-1.27	-0.83	-0.18	-1.76	0.00	J = 22
Alt My	-3.00	-1.65	-1.19	-0.40	-0.22	-1.18	-1.78	0.00	
Tx	0.03	0.01	-0.03	0.04	0.03	0.16	-0.17	0.00	Bx= 80 cm
Ty	-1.87	-1.03	-0.43	-0.56	-0.35	-0.45	-1.18	0.00	By= 40 cm
Nz	94.54	32.07	32.07	32.07	32.07	32.07	32.07	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	7.82	9.01	0.90	-0.96	0.86	0.75	0.13	-0.14	
Alt Mx	11.80	13.53	1.33	-1.37	1.26	1.10	0.19	-0.19	
Üst My	-0.02	0.02	3.15	3.08	0.00	0.00	0.46	0.44	
Alt My	-0.04	0.04	4.21	4.08	0.00	0.00	0.60	0.58	
Tx	6.54	7.51	0.74	-0.78	0.71	0.62	0.11	-0.11	
Ty	-0.02	0.02	2.45	2.39	0.00	0.00	0.35	0.34	
Nz	1.00	0.57	-27.35	-26.68	0.04	0.08	-3.60	-3.51	
SZ04	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	0.02	0.01	0.36	-0.36	0.30	-0.07	-0.22	0.00	
Alt Mx	0.01	0.00	0.17	-0.16	0.14	-0.03	-0.10	0.00	I = 22
Üst My	-1.54	-0.83	-1.13	0.32	0.24	-1.09	-0.78	0.00	J =
Alt My	-0.72	-0.39	-0.55	0.16	0.13	-0.52	-0.37	0.00	
Tx	0.01	0.00	0.13	-0.13	0.11	-0.02	-0.08	0.00	Bx= 80 cm
Ty	-0.57	-0.31	-0.42	0.12	0.09	-0.40	-0.29	0.00	By= 40 cm
Nz	106.63	36.04	36.04	36.04	36.04	36.04	36.04	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m
Üst Mx	1.85	2.14	0.22	-0.23	0.23	0.20	0.04	-0.04	
Alt Mx	7.76	8.85	0.85	-0.86	0.87	0.77	0.13	-0.13	
Üst My	0.00	0.00	0.90	0.89	0.00	0.00	0.14	0.14	
Alt My	-0.03	0.03	2.48	2.39	0.00	0.00	0.37	0.36	
Tx	2.40	2.75	0.27	-0.27	0.28	0.24	0.04	-0.04	
Ty	-0.01	0.01	0.85	0.82	0.00	0.00	0.13	0.12	
Nz	1.05	0.59	-28.92	-28.20	0.05	0.08	-3.82	-3.73	

S405	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	1.34	0.56	0.05	0.57	0.25	0.22	0.75	0.00	
Alt Mx	1.17	0.49	0.43	0.11	0.07	0.46	0.56	0.00	I = 128
Üst My	-2.77	-1.47	-1.19	-0.25	-0.87	-0.32	-1.69	0.00	J = 103
Alt My	-2.29	-1.28	-0.34	-0.90	-0.28	-0.73	-1.48	0.00	
Tx	0.84	0.35	0.16	0.23	0.11	0.23	0.44	0.00	Bx= 70 cm
Ty	-1.69	-0.92	-0.51	-0.38	-0.38	-0.35	-1.06	0.00	By= 35 cm
Nz	58.28	19.19	19.19	19.19	19.19	19.19	19.19	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	13.04	14.86	1.03	-1.82	1.32	1.16	0.14	-0.24	
Alt Mx	13.06	14.86	1.07	-1.75	1.30	1.14	0.14	-0.23	
Üst My	-0.41	-0.03	4.58	3.99	0.00	0.00	0.62	0.54	
Alt My	-0.38	-0.01	4.53	3.95	0.00	-0.03	0.61	0.53	
Tx	8.70	9.91	0.70	-1.19	0.87	0.77	0.09	-0.16	
Ty	-0.26	-0.01	3.04	2.65	0.00	-0.02	0.41	0.36	
Nz	1.13	-0.05	-17.10	-15.25	-0.02	0.08	-2.19	-1.95	
S305	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	1.39	0.59	0.71	-0.05	0.16	0.91	0.23	0.00	
Alt Mx	1.22	0.51	0.04	0.53	0.53	0.64	-0.03	0.00	I = 103
Üst My	-3.02	-1.72	-0.16	-1.53	-0.22	-2.07	-1.08	0.00	J = 78
Alt My	-3.15	-1.71	-1.28	-0.40	-1.04	-1.97	-0.35	0.00	
Tx	0.87	0.37	0.25	0.16	0.23	0.52	0.07	0.00	Bx= 80 cm
Ty	-2.06	-1.14	-0.48	-0.64	-0.42	-1.34	-0.48	0.00	By= 40 cm
Nz	69.35	23.07	23.07	23.07	23.07	23.07	23.07	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	15.23	17.38	1.28	-2.09	1.58	1.38	0.18	-0.29	
Alt Mx	15.92	18.13	1.37	-2.09	1.62	1.42	0.19	-0.28	
Üst My	-0.47	0.01	5.66	4.93	0.01	-0.03	0.78	0.68	
Alt My	-0.45	0.04	5.82	5.06	0.01	-0.03	0.79	0.69	
Tx	10.38	11.84	0.88	-1.39	1.06	0.94	0.12	-0.19	
Ty	-0.30	0.02	3.83	3.33	0.01	-0.02	0.53	0.46	
Nz	2.20	0.87	-20.55	-18.48	0.06	0.17	-2.66	-2.39	
S205	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	0.93	0.39	-0.09	0.53	0.71	0.07	0.10	0.00	
Alt Mx	0.86	0.36	0.46	-0.06	0.49	-0.15	0.46	0.00	I = 78
Üst My	-3.14	-1.62	-1.37	-0.23	-1.98	-0.88	-0.34	0.00	J = 56
Alt My	-2.94	-1.54	-0.29	-1.22	-1.84	-0.16	-1.04	0.00	
Tx	0.60	0.25	0.12	0.16	0.40	-0.03	0.19	0.00	Bx= 80 cm
Ty	-2.03	-1.05	-0.55	-0.49	-1.27	-0.35	-0.46	0.00	By= 40 cm
Nz	80.40	26.96	26.96	26.96	26.96	26.96	26.96	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	10.41	11.91	0.90	-1.45	1.12	0.98	0.13	-0.21	
Alt Mx	13.25	15.11	1.20	-1.71	1.38	1.22	0.17	-0.24	
Üst My	-0.32	0.03	4.13	3.58	0.01	-0.02	0.59	0.51	
Alt My	-0.34	0.07	4.87	4.24	0.01	-0.02	0.68	0.59	
Tx	7.89	9.01	0.70	-1.06	0.83	0.73	0.10	-0.15	
Ty	-0.22	0.03	3.00	2.61	0.01	-0.02	0.42	0.37	
Nz	3.49	2.06	-23.86	-21.63	0.16	0.28	-3.12	-2.83	
S105	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	0.67	0.28	0.47	-0.15	0.00	0.04	0.59	0.00	
Alt Mx	0.58	0.25	-0.07	0.35	-0.19	0.43	0.32	0.00	I = 56
Üst My	-3.10	-1.64	-0.24	-1.39	-0.93	-0.44	-1.89	0.00	J = 38
Alt My	-3.35	-1.77	-1.26	-0.50	-0.38	-1.34	-1.79	0.00	
Tx	0.42	0.18	0.13	0.07	-0.06	0.16	0.30	0.00	Bx= 80 cm
Ty	-2.15	-1.14	-0.50	-0.63	-0.44	-0.59	-1.23	0.00	By= 40 cm
Nz	91.57	30.88	30.88	30.88	30.88	30.88	30.88	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	7.83	8.96	0.65	-1.12	0.85	0.75	0.10	-0.16	
Alt Mx	11.83	13.50	1.07	-1.55	1.26	1.10	0.15	-0.22	
Üst My	-0.24	0.03	3.27	2.84	0.01	-0.02	0.48	0.41	
Alt My	-0.28	0.09	4.39	3.82	0.01	-0.02	0.63	0.55	
Tx	6.55	7.49	0.57	-0.89	0.70	0.62	0.08	-0.13	
Ty	-0.17	0.04	2.55	2.22	0.01	-0.01	0.37	0.32	
Nz	4.50	2.99	-26.56	-24.20	0.25	0.37	-3.50	-3.20	
SZ05	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	0.22	0.09	-0.32	0.43	-0.19	0.40	0.00	0.00	
Alt Mx	0.10	0.04	-0.15	0.20	-0.09	0.19	0.00	0.00	I = 38
Üst My	-1.60	-0.84	-1.13	0.29	0.15	-1.11	-0.72	0.00	J =
Alt My	-0.75	-0.40	-0.54	0.15	0.08	-0.53	-0.34	0.00	
Tx	0.08	0.03	-0.12	0.16	-0.07	0.15	0.00	0.00	Bx= 80 cm
Ty	-0.59	-0.31	-0.42	0.11	0.06	-0.41	-0.27	0.00	By= 40 cm
Nz	103.48	34.75	34.75	34.75	34.75	34.75	34.75	0.00	H = 4.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	1.88	2.14	0.10	-0.32	0.23	0.20	0.02	-0.05	
Alt Mx	7.77	8.85	0.79	-0.90	0.87	0.77	0.12	-0.13	
Üst My	-0.07	0.01	0.95	0.84	0.00	-0.01	0.15	0.13	
Alt My	-0.13	0.08	2.60	2.27	0.01	-0.01	0.39	0.34	
Tx	2.41	2.75	0.22	-0.30	0.28	0.24	0.03	-0.05	
Ty	-0.05	0.02	0.89	0.78	0.00	0.00	0.14	0.12	
Nz	5.11	3.54	-28.31	-25.86	0.30	0.43	-3.76	-3.44	

S406	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	9.51	4.05	4.32	0.01	4.31	1.34	3.00	0.00	
Alt Mx	13.73	5.89	1.27	5.38	2.48	4.90	5.91	0.00	I = 159
Üst My	-11.97	-5.47	-4.11	-1.54	-4.04	-2.01	-5.25	0.00	J = 134
Alt My	-5.49	-2.65	0.08	-2.47	-0.49	-2.31	-1.97	0.00	
Tx	7.75	3.32	1.86	1.80	2.26	2.08	2.97	0.00	POLİGON
Ty	-5.82	-2.71	-1.34	-1.34	-1.51	-1.44	-2.41	0.00	KOLON
Nz	210.80	54.03	54.03	54.03	54.03	54.03	54.03	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	-104.48	-121.04	-58.85	-33.23	-6.82	-6.10	-5.01	-3.25	
Alt Mx	204.94	241.42	104.98	48.18	17.84	15.32	11.42	5.32	M perde
Üst My	-47.59	-56.10	-36.98	-23.86	-3.35	-3.10	-1.98	-1.37	Mxu: 566.2
Alt My	67.44	94.21	126.31	84.62	7.05	5.17	14.17	9.62	Mxa: 650.4
Tx	33.48	40.13	15.38	4.98	3.67	3.08	2.14	0.69	Myu: 319.6
Ty	6.62	12.70	29.78	20.25	1.23	0.69	4.06	2.75	Mya: 367.2
Nz	49.67	42.24	-76.29	-64.71	3.41	4.02	-9.75	-8.28	
S306	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	8.47	3.59	-0.29	4.10	1.32	2.51	3.78	0.00	
Alt Mx	13.69	5.91	5.48	1.21	4.72	6.02	2.65	0.00	I = 134
Üst My	-11.43	-5.33	-1.64	-3.90	-1.69	-5.00	-4.39	0.00	J = 109
Alt My	-4.27	-2.09	-2.03	0.27	-1.94	-1.71	0.12	0.00	
Tx	7.39	3.17	1.73	1.77	2.01	2.84	2.14	0.00	POLİGON
Ty	-5.24	-2.47	-1.23	-1.21	-1.21	-2.24	-1.42	0.00	KOLON
Nz	243.37	62.80	62.80	62.80	62.80	62.80	62.80	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	-181.70	-215.06	-103.64	-51.70	-15.49	-13.25	-11.23	-5.80	
Alt Mx	279.20	333.63	153.96	69.04	27.06	22.79	18.72	8.40	M perde
Üst My	-73.21	-93.39	-85.71	-54.32	-6.88	-5.58	-8.62	-5.48	Mxu: 650.4
Alt My	96.30	134.60	169.44	109.69	11.13	8.12	20.66	13.38	Mxa: 734.7
Tx	32.50	39.52	16.77	5.78	3.85	3.18	2.50	0.86	Myu: 367.2
Ty	7.70	13.74	27.91	18.46	1.41	0.84	4.01	2.63	Mya: 414.7
Nz	57.93	49.01	-90.30	-76.38	3.98	4.72	-11.67	-9.87	
S206	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	7.64	3.21	3.80	-0.44	2.39	3.44	0.88	0.00	
Alt Mx	13.44	5.84	1.23	5.41	5.84	2.65	4.79	0.00	I = 109
Üst My	-11.05	-5.19	-3.86	-1.55	-4.82	-4.11	-1.89	0.00	J = 84
Alt My	-2.65	-1.34	0.71	-1.64	-1.32	0.61	-1.15	0.00	
Tx	7.03	3.02	1.68	1.66	2.74	2.03	1.89	0.00	POLİGON
Ty	-4.57	-2.18	-1.05	-1.07	-2.05	-1.17	-1.01	0.00	KOLON
Nz	275.17	71.25	71.25	71.25	71.25	71.25	71.25	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	-258.47	-310.09	-152.70	-72.18	-24.92	-20.90	-18.55	-8.83	
Alt Mx	376.83	454.82	217.07	95.26	39.79	33.12	28.60	12.46	M perde
Üst My	-101.57	-133.78	-132.04	-81.81	-10.96	-8.50	-15.43	-9.48	Mxu: 734.7
Alt My	131.25	185.27	230.18	145.80	16.50	11.88	30.35	19.16	Mxa: 818.9
Tx	39.45	48.24	21.45	7.69	4.96	4.07	3.35	1.21	Myu: 414.7
Ty	9.89	17.16	32.71	21.33	1.85	1.12	4.97	3.22	Mya: 462.3
Nz	65.42	55.09	-103.35	-87.23	4.50	5.37	-13.49	-11.39	
S106	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	6.93	2.87	-0.66	3.62	3.30	0.59	2.03	0.00	
Alt Mx	12.52	5.51	5.24	1.03	2.35	4.35	5.84	0.00	I = 84
Üst My	-10.54	-5.02	-1.53	-3.73	-3.84	-1.70	-4.96	0.00	J = 62
Alt My	-2.20	-1.13	-1.53	0.86	0.90	-1.39	-0.84	0.00	
Tx	6.48	2.80	1.53	1.55	1.88	1.65	2.62	0.00	POLİGON
Ty	-4.25	-2.05	-1.02	-0.95	-0.98	-1.03	-1.93	0.00	KOLON
Nz	305.95	79.26	79.26	79.26	79.26	79.26	79.26	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	-360.25	-435.98	-216.10	-97.82	-38.04	-31.58	-28.46	-12.82	
Alt Mx	491.46	598.41	301.17	134.01	54.98	45.32	42.00	18.63	M perde
Üst My	-135.61	-184.61	-199.23	-122.71	-16.37	-12.21	-25.92	-15.86	Mxu: 818.9
Alt My	177.70	249.89	298.40	185.58	23.44	16.94	41.14	25.41	Mxa: 870.4
Tx	43.74	54.14	28.35	12.06	5.65	4.58	4.51	1.94	Myu: 462.3
Ty	14.03	21.76	33.05	20.95	2.36	1.58	5.07	3.19	Mya: 491.3
Nz	71.46	59.94	-114.18	-96.20	4.92	5.90	-15.04	-12.67	
S206	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	6.74	2.73	3.53	-0.72	0.52	2.10	2.99	0.00	
Alt Mx	3.61	1.73	0.68	1.43	0.99	1.53	1.70	0.00	I = 62
Üst My	-8.42	-4.13	-3.17	-1.16	-1.29	-3.94	-3.43	0.00	J =
Alt My	2.64	1.30	0.00	1.66	1.58	0.81	0.93	0.00	
Tx	2.59	1.11	1.05	0.18	0.38	0.91	1.17	0.00	POLİGON
Ty	-1.44	-0.71	-0.79	0.12	0.07	-0.78	-0.62	0.00	KOLON
Nz	340.60	86.72	86.72	86.72	86.72	86.72	86.72	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m
Üst Mx	-480.54	-586.04	-300.73	-135.84	-53.81	-44.29	-41.94	-18.90	
Alt Mx	718.12	870.35	421.63	183.61	84.53	70.09	61.64	26.69	M perde
Üst My	-180.84	-249.61	-276.90	-169.42	-23.36	-17.19	-37.98	-23.04	Mxu: 870.4
Alt My	232.22	340.85	491.32	321.48	33.62	23.25	72.96	47.87	Mxa: 870.4
Tx	59.40	71.08	30.23	11.94	7.68	6.45	4.93	1.95	Myu: 491.3
Ty	12.85	22.81	53.61	38.01	2.56	1.51	8.75	6.21	Mya: 491.3
Nz	75.49	63.15	-121.71	-102.44	5.21	6.27	-16.15	-13.58	

S407	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-2.71	-1.29	-0.82	-0.47	-0.79	-0.65	-1.14	0.00	
Alt Mx	-2.66	-1.23	-0.51	-0.73	-0.60	-0.82	-1.05	0.00	I = 46
Üst My	-2.93	-1.22	-0.21	-1.08	-1.35	-0.98	-0.24	0.00	J = 28
Alt My	-2.56	-1.07	-0.82	-0.31	-1.31	-0.42	-0.53	0.00	
Tx	-1.79	-0.84	-0.44	-0.40	-0.46	-0.49	-0.73	0.00	Bx= 35 cm
Ty	-1.83	-0.76	-0.34	-0.46	-0.89	-0.47	-0.26	0.00	By= 70 cm
Nz	54.22	17.35	17.35	17.35	17.35	17.35	17.35	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	4.11	4.17	0.69	0.60	0.36	0.36	0.09	0.08	
Alt Mx	4.13	4.20	0.64	0.54	0.36	0.36	0.09	0.07	
Üst My	2.26	-0.35	10.81	14.87	-0.07	0.16	1.46	2.01	
Alt My	2.16	-0.43	10.85	14.89	-0.07	0.15	1.44	1.98	
Tx	2.75	2.79	0.44	0.38	0.24	0.24	0.06	0.05	
Ty	1.47	-0.26	7.22	9.92	-0.05	0.10	0.97	1.33	
Nz	-12.83	-16.14	12.15	17.31	-1.36	-1.10	1.53	2.17	
S307	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-3.61	-1.67	-0.58	-1.09	-0.81	-1.49	-1.05	0.00	
Alt Mx	-3.05	-1.45	-0.91	-0.55	-0.99	-1.27	-0.66	0.00	I = 28
Üst My	-3.29	-1.39	-1.36	-0.11	-1.18	-0.17	-1.59	0.00	J = 16
Alt My	-2.92	-1.23	-0.25	-1.04	-0.36	-0.64	-1.58	0.00	
Tx	-2.22	-1.04	-0.50	-0.55	-0.60	-0.92	-0.57	0.00	Bx= 40 cm
Ty	-2.07	-0.87	-0.54	-0.38	-0.51	-0.27	-1.06	0.00	By= 80 cm
Nz	64.34	20.77	20.77	20.77	20.77	20.77	20.77	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	5.24	5.32	0.84	0.71	0.48	0.47	0.11	0.09	
Alt Mx	5.47	5.58	0.78	0.62	0.49	0.48	0.10	0.08	
Üst My	2.60	-0.47	12.69	17.48	-0.09	0.19	1.76	2.42	
Alt My	2.56	-0.63	13.33	18.32	-0.10	0.18	1.81	2.49	
Tx	3.57	3.63	0.54	0.44	0.32	0.32	0.07	0.06	
Ty	1.72	-0.37	8.67	11.93	-0.06	0.12	1.19	1.64	
Nz	-16.18	-20.28	14.82	21.21	-1.74	-1.40	1.90	2.72	
S207	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-2.21	-1.11	-0.77	-0.34	-1.09	-0.63	-0.50	0.00	
Alt Mx	-2.15	-1.07	-0.35	-0.72	-1.00	-0.37	-0.78	0.00	I = 16
Üst My	-2.53	-1.07	-0.06	-1.06	-0.65	-1.36	-0.83	0.00	J = 8
Alt My	-2.33	-0.98	-0.93	-0.09	-0.54	-1.40	-0.11	0.00	
Tx	-1.45	-0.72	-0.37	-0.35	-0.70	-0.33	-0.43	0.00	Bx= 40 cm
Ty	-1.62	-0.68	-0.33	-0.38	-0.20	-0.92	-0.31	0.00	By= 80 cm
Nz	74.81	24.29	24.29	24.29	24.29	24.29	24.29	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	3.91	3.98	0.60	0.49	0.37	0.36	0.08	0.06	
Alt Mx	4.62	4.72	0.59	0.43	0.43	0.42	0.08	0.06	
Üst My	1.82	-0.31	8.76	12.10	-0.06	0.14	1.26	1.74	
Alt My	2.10	-0.62	11.24	15.49	-0.10	0.15	1.57	2.16	
Tx	2.84	2.90	0.40	0.31	0.27	0.26	0.05	0.04	
Ty	1.31	-0.31	6.67	9.20	-0.05	0.10	0.94	1.30	
Nz	-19.70	-24.57	17.35	24.96	-2.14	-1.73	2.27	3.26	
S107	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-2.03	-1.00	-0.28	-0.73	-0.57	-0.45	-0.99	0.00	
Alt Mx	-2.00	-0.98	-0.65	-0.34	-0.35	-0.75	-0.87	0.00	I = 8
Üst My	-2.47	-1.05	-1.06	-0.04	-1.26	-0.81	-0.13	0.00	J = 4
Alt My	-2.49	-1.06	-0.21	-0.88	-1.30	-0.16	-0.74	0.00	
Tx	-1.34	-0.66	-0.31	-0.36	-0.31	-0.40	-0.62	0.00	Bx= 40 cm
Ty	-1.65	-0.71	-0.43	-0.31	-0.85	-0.32	-0.29	0.00	By= 80 cm
Nz	85.15	27.74	27.74	27.74	27.74	27.74	27.74	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	3.00	3.06	0.45	0.36	0.29	0.28	0.06	0.05	
Alt Mx	4.02	4.13	0.45	0.28	0.38	0.37	0.06	0.04	
Üst My	1.43	-0.20	6.78	9.31	-0.04	0.11	0.99	1.36	
Alt My	1.90	-0.60	10.35	14.26	-0.09	0.14	1.47	2.03	
Tx	2.34	2.40	0.30	0.21	0.22	0.22	0.04	0.03	
Ty	1.11	-0.26	5.71	7.86	-0.05	0.08	0.82	1.13	
Nz	-22.57	-28.12	19.65	28.31	-2.48	-2.01	2.61	3.76	
SZ07	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.83	-0.41	-0.49	0.08	-0.02	-0.50	-0.31	0.00	
Alt Mx	-0.41	-0.20	-0.24	0.04	-0.01	-0.24	-0.15	0.00	I = 4
Üst My	-1.30	-0.56	0.32	-0.90	-0.66	0.22	-0.72	0.00	J =
Alt My	-0.50	-0.21	0.17	-0.39	-0.27	0.14	-0.30	0.00	
Tx	-0.31	-0.15	-0.18	0.03	-0.01	-0.19	-0.11	0.00	Bx= 40 cm
Ty	-0.45	-0.19	0.12	-0.32	-0.23	0.09	-0.25	0.00	By= 80 cm
Nz	96.18	31.08	31.08	31.08	31.08	31.08	31.08	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	0.79	0.80	0.14	0.12	0.08	0.08	0.02	0.02	
Alt Mx	2.25	2.34	0.13	0.00	0.23	0.22	0.02	0.00	
Üst My	0.42	0.06	1.82	2.38	0.00	0.04	0.31	0.40	
Alt My	1.07	-0.63	7.43	10.08	-0.09	0.08	1.12	1.52	
Tx	0.76	0.79	0.07	0.03	0.08	0.08	0.01	0.00	
Ty	0.37	-0.14	2.31	3.12	-0.02	0.03	0.36	0.48	
Nz	-24.29	-30.33	21.46	30.90	-2.70	-2.18	2.88	4.15	

S408	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.72	-0.85	-0.22	-0.62	-0.77	-0.68	-0.23	0.00	
Alt Mx	-1.55	-0.78	-0.53	-0.24	-0.81	-0.38	-0.34	0.00	I = 47
Üst My	-2.27	-1.02	0.80	-1.86	-1.73	-1.52	1.14	0.00	J = 29
Alt My	-1.92	-0.87	-1.23	0.33	-2.19	0.01	0.39	0.00	
Tx	-1.09	-0.54	-0.25	-0.29	-0.53	-0.35	-0.19	0.00	Bx= 35 cm
Ty	-1.40	-0.63	-0.14	-0.51	-1.31	-0.50	0.51	0.00	By= 70 cm
Nz	88.41	33.08	33.08	33.08	33.08	33.08	33.08	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	7.32	7.49	0.85	0.59	0.65	0.64	0.11	0.08	
Alt Mx	7.23	7.40	0.80	0.53	0.64	0.63	0.11	0.07	
Üst My	0.82	-0.99	10.33	13.17	-0.11	0.05	1.40	1.78	
Alt My	0.84	-0.97	10.44	13.26	-0.11	0.05	1.39	1.76	
Tx	4.85	4.96	0.55	0.37	0.43	0.42	0.07	0.05	
Ty	0.55	-0.65	6.92	8.81	-0.07	0.03	0.93	1.18	
Nz	-1.01	-1.92	2.76	4.18	-0.18	-0.11	0.35	0.53	
S308	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-2.05	-1.04	-0.82	-0.20	-0.87	-0.20	-0.97	0.00	
Alt Mx	-1.92	-0.96	-0.24	-0.70	-0.42	-0.40	-1.07	0.00	I = 29
Üst My	-2.31	-1.05	-2.43	1.35	-1.94	1.70	-1.94	0.00	J = 17
Alt My	-1.95	-0.88	0.78	-1.70	0.34	0.56	-2.73	0.00	
Tx	-1.32	-0.67	-0.35	-0.30	-0.43	-0.20	-0.68	0.00	Bx= 40 cm
Ty	-1.42	-0.64	-0.55	-0.12	-0.53	0.75	-1.56	0.00	By= 80 cm
Nz	104.59	39.78	39.78	39.78	39.78	39.78	39.78	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	9.87	10.12	1.08	0.69	0.90	0.88	0.14	0.09	
Alt Mx	9.85	10.11	1.01	0.60	0.90	0.87	0.14	0.08	
Üst My	0.99	-1.15	12.04	15.38	-0.13	0.06	1.67	2.13	
Alt My	1.07	-1.17	12.84	16.33	-0.13	0.06	1.74	2.21	
Tx	6.57	6.74	0.70	0.43	0.60	0.58	0.09	0.06	
Ty	0.68	-0.77	8.29	10.57	-0.09	0.04	1.13	1.45	
Nz	-1.05	-2.09	3.00	4.61	-0.19	-0.11	0.38	0.59	
S208	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.57	-0.78	-0.11	-0.65	-0.07	-0.81	-0.65	0.00	
Alt Mx	-1.45	-0.72	-0.60	-0.11	-0.27	-0.92	-0.23	0.00	I = 17
Üst My	-1.57	-0.71	1.19	-1.93	1.65	-1.81	-1.32	0.00	J = 9
Alt My	-1.36	-0.62	-1.62	0.98	0.58	-2.61	0.76	0.00	
Tx	-1.01	-0.50	-0.24	-0.26	-0.11	-0.58	-0.29	0.00	Bx= 40 cm
Ty	-0.98	-0.44	-0.15	-0.31	0.74	-1.47	-0.19	0.00	By= 80 cm
Nz	120.94	46.60	46.60	46.60	46.60	46.60	46.60	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	7.64	7.85	0.80	0.47	0.72	0.70	0.11	0.06	
Alt Mx	8.13	8.37	0.77	0.40	0.76	0.74	0.10	0.05	
Üst My	0.70	-0.78	8.24	10.55	-0.09	0.05	1.18	1.52	
Alt My	0.95	-0.96	10.89	13.86	-0.11	0.06	1.52	1.93	
Tx	5.26	5.40	0.52	0.29	0.49	0.48	0.07	0.04	
Ty	0.55	-0.58	6.38	8.14	-0.07	0.04	0.90	1.15	
Nz	-1.13	-2.26	3.13	4.90	-0.20	-0.11	0.40	0.63	
S108	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.12	-0.57	-0.56	0.00	-0.65	-0.49	0.03	0.00	
Alt Mx	-1.01	-0.51	-0.05	-0.46	-0.73	-0.06	-0.20	0.00	I = 9
Üst My	-1.20	-0.54	-1.85	1.28	-1.53	-1.14	1.53	0.00	J = 5
Alt My	-0.97	-0.44	0.84	-1.29	-2.15	1.00	0.24	0.00	
Tx	-0.71	-0.36	-0.20	-0.15	-0.46	-0.19	-0.06	0.00	Bx= 40 cm
Ty	-0.72	-0.33	-0.34	0.00	-1.22	-0.05	0.59	0.00	By= 80 cm
Nz	138.20	53.84	53.84	53.84	53.84	53.84	53.84	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	5.89	6.06	0.59	0.32	0.57	0.55	0.08	0.04	
Alt Mx	6.67	6.89	0.57	0.24	0.64	0.62	0.08	0.03	
Üst My	0.55	-0.56	6.25	7.99	-0.07	0.04	0.91	1.17	
Alt My	0.93	-0.82	10.02	12.76	-0.10	0.06	1.42	1.81	
Tx	4.19	4.31	0.39	0.19	0.40	0.39	0.05	0.02	
Ty	0.49	-0.46	5.42	6.91	-0.06	0.03	0.78	0.99	
Nz	-1.05	-2.26	3.26	5.15	-0.20	-0.10	0.42	0.67	
SZ08	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.36	-0.18	0.28	-0.46	-0.36	0.22	-0.22	0.00	
Alt Mx	-0.18	-0.09	0.13	-0.22	-0.18	0.11	-0.11	0.00	I = 5
Üst My	-0.47	-0.21	1.78	-2.00	-1.36	1.54	-0.63	0.00	J =
Alt My	-0.11	-0.05	0.85	-0.90	-0.59	0.75	-0.26	0.00	
Tx	-0.14	-0.07	0.10	-0.17	-0.13	0.08	-0.08	0.00	Bx= 40 cm
Ty	-0.15	-0.07	0.66	-0.73	-0.49	0.57	-0.22	0.00	By= 80 cm
Nz	157.36	61.60	61.60	61.60	61.60	61.60	61.60	0.00	H = 4.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	1.79	1.83	0.18	0.11	0.18	0.18	0.03	0.01	
Alt Mx	2.74	2.84	0.15	-0.01	0.28	0.26	0.02	0.00	
Üst My	0.12	-0.11	1.51	1.87	-0.02	0.01	0.26	0.32	
Alt My	0.69	-0.53	7.62	9.52	-0.07	0.05	1.15	1.44	
Tx	1.13	1.17	0.08	0.02	0.11	0.11	0.01	0.00	
Ty	0.20	-0.16	2.28	2.85	-0.02	0.01	0.35	0.44	
Nz	-0.82	-2.09	3.39	5.36	-0.18	-0.07	0.44	0.70	

S409	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.71	0.72	0.25	0.63	0.91	0.45	0.39	0.00	
Alt Mx	1.53	0.64	0.54	0.25	0.75	0.24	0.59	0.00	I = 71
Üst My	-0.54	-0.28	1.45	-1.68	-1.21	-1.15	1.90	0.00	J = 49
Alt My	-0.54	-0.27	-0.96	0.75	-1.88	0.44	0.99	0.00	
Tx	1.08	0.45	0.26	0.29	0.55	0.23	0.33	0.00	Bx= 35 cm
Ty	-0.36	-0.18	0.16	-0.31	-1.03	-0.24	0.96	0.00	By= 70 cm
Nz	90.43	34.63	34.63	34.63	34.63	34.63	34.63	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+K	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	8.73	8.98	0.27	-0.12	0.78	0.76	0.04	-0.02	
Alt Mx	8.49	8.73	0.26	-0.12	0.76	0.74	0.03	-0.02	
Üst My	0.78	-0.16	9.85	11.32	-0.03	0.05	1.33	1.53	
Alt My	0.75	-0.20	10.10	11.59	-0.03	0.05	1.34	1.54	
Tx	5.74	5.90	0.18	-0.08	0.51	0.50	0.02	-0.01	
Ty	0.51	-0.12	6.65	7.64	-0.02	0.04	0.89	1.02	
Nz	-10.17	-9.91	-2.23	-2.63	-0.81	-0.84	-0.29	-0.34	
S309	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.92	0.81	0.80	0.20	0.48	0.38	1.15	0.00	
Alt Mx	1.74	0.74	0.22	0.69	0.17	0.73	0.92	0.00	I = 49
Üst My	-0.81	-0.40	-2.33	1.99	-1.64	2.42	-1.46	0.00	J = 31
Alt My	-0.53	-0.28	1.26	-1.48	0.80	1.19	-2.44	0.00	
Tx	1.22	0.52	0.34	0.30	0.22	0.37	0.69	0.00	Bx= 40 cm
Ty	-0.45	-0.23	-0.36	0.17	-0.28	1.20	-1.30	0.00	By= 80 cm
Nz	107.01	41.66	41.66	41.66	41.66	41.66	41.66	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+K	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	11.36	11.69	0.36	-0.16	1.04	1.01	0.05	-0.02	
Alt Mx	11.12	11.46	0.35	-0.17	1.01	0.98	0.05	-0.02	
Üst My	0.89	-0.23	11.70	13.45	-0.04	0.06	1.62	1.87	
Alt My	0.90	-0.31	12.69	14.57	-0.04	0.06	1.72	1.97	
Tx	7.49	7.71	0.24	-0.11	0.68	0.66	0.03	-0.02	
Ty	0.60	-0.18	8.13	9.34	-0.03	0.04	1.11	1.28	
Nz	-11.12	-10.78	-2.56	-3.10	-0.89	-0.92	-0.33	-0.40	
S209	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.37	0.58	0.09	0.62	0.24	0.93	0.26	0.00	
Alt Mx	1.27	0.54	0.57	0.09	0.59	0.74	-0.01	0.00	I = 31
Üst My	-0.40	-0.23	1.67	-1.86	2.20	-1.50	-1.08	0.00	J = 19
Alt My	-0.34	-0.19	-1.51	1.36	1.04	-2.47	1.12	0.00	
Tx	0.88	0.37	0.22	0.24	0.28	0.56	0.08	0.00	Bx= 40 cm
Ty	-0.25	-0.14	0.05	-0.17	1.08	-1.32	0.01	0.00	By= 80 cm
Nz	124.25	48.94	48.94	48.94	48.94	48.94	48.94	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+K	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	8.56	8.82	0.27	-0.13	0.80	0.78	0.04	-0.02	
Alt Mx	9.00	9.28	0.29	-0.15	0.84	0.81	0.04	-0.02	
Üst My	0.61	-0.17	8.09	9.31	-0.03	0.04	1.17	1.35	
Alt My	0.74	-0.31	10.90	12.53	-0.04	0.05	1.52	1.75	
Tx	5.85	6.03	0.19	-0.09	0.55	0.53	0.03	-0.01	
Ty	0.45	-0.16	6.33	7.28	-0.02	0.03	0.90	1.03	
Nz	-11.57	-11.14	-2.81	-3.48	-0.93	-0.96	-0.37	-0.46	
S109	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.02	0.43	0.54	-0.01	0.77	0.14	0.15	0.00	
Alt Mx	0.92	0.40	0.03	0.45	0.54	-0.11	0.53	0.00	I = 19
Üst My	-0.26	-0.13	-1.81	1.70	-1.27	-0.95	1.99	0.00	J = 11
Alt My	0.04	0.01	1.19	-1.15	-1.97	1.41	0.65	0.00	
Tx	0.65	0.28	0.19	0.15	0.44	0.01	0.23	0.00	Bx= 40 cm
Ty	-0.07	-0.04	-0.21	0.18	-1.08	0.16	0.88	0.00	By= 80 cm
Nz	142.14	56.53	56.53	56.53	56.53	56.53	56.53	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+K	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	6.62	6.82	0.21	-0.11	0.63	0.61	0.03	-0.02	
Alt Mx	7.36	7.60	0.23	-0.15	0.70	0.68	0.03	-0.02	
Üst My	0.45	-0.13	6.06	6.96	-0.02	0.03	0.89	1.02	
Alt My	0.65	-0.31	10.04	11.55	-0.04	0.05	1.42	1.64	
Tx	4.66	4.81	0.14	-0.08	0.44	0.43	0.02	-0.01	
Ty	0.37	-0.15	5.37	6.17	-0.02	0.03	0.77	0.89	
Nz	-11.97	-11.46	-3.01	-3.81	-0.95	-1.00	-0.40	-0.50	
SZ09	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	0.34	0.15	-0.28	0.46	0.10	-0.19	0.45	0.00	
Alt Mx	0.17	0.07	-0.14	0.22	0.05	-0.09	0.22	0.00	I = 11
Üst My	0.03	0.01	2.10	-2.08	-1.32	1.84	-0.48	0.00	J =
Alt My	0.12	0.06	1.00	-0.93	-0.58	0.89	-0.18	0.00	
Tx	0.13	0.05	-0.10	0.17	0.04	-0.07	0.17	0.00	Bx= 40 cm
Ty	0.04	0.02	0.77	-0.75	-0.47	0.68	-0.17	0.00	By= 80 cm
Nz	161.81	64.58	64.58	64.58	64.58	64.58	64.58	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+K	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	2.05	2.11	0.06	-0.03	0.21	0.20	0.01	-0.01	
Alt Mx	2.87	2.98	0.09	-0.08	0.29	0.28	0.01	-0.01	
Üst My	0.10	0.00	1.34	1.51	0.00	0.01	0.24	0.27	
Alt My	0.43	-0.29	7.89	9.00	-0.04	0.03	1.19	1.36	
Tx	1.23	1.27	0.04	-0.03	0.12	0.12	0.01	0.00	
Ty	0.13	-0.07	2.31	2.63	-0.01	0.01	0.36	0.41	
Nz	-12.38	-11.81	-3.19	-4.07	-0.99	-1.04	-0.42	-0.54	

S410	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_Q_Q	Zemin	Material:E1
Üst Mx	0.44	0.33	4.82	-4.83	-5.49	2.12	3.36	0.00	
Alt Mx	-0.57	-0.45	-4.69	4.69	5.36	-1.29	-4.06	0.00	I = 100
Üst My	-54.21	-24.52	0.35	-28.39	-12.52	-30.23	-13.34	0.00	J = 75
Alt My	40.47	17.99	-3.66	24.28	4.12	25.88	11.23	0.00	
Tx	-0.04	-0.04	0.04	-0.05	-0.04	0.28	-0.24	0.00	POLİGON
Ty	-4.58	-2.18	-1.10	-1.37	-2.80	-1.45	-0.70	0.00	KOLON
Nz	731.32	251.56	251.56	251.56	251.56	251.56	251.56	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-595.83	-597.78	-1.49	1.51	-35.60	-35.48	-0.15	0.15	
Alt Mx	1079.02	1082.45	2.66	-2.69	79.20	78.95	0.31	-0.31	M perde
Üst My	0.01	0.02	-880.90	-880.91	0.00	0.00	-82.87	-82.87	Mxu: 2469.6
Alt My	-0.01	-0.02	1547.31	1547.33	0.00	0.00	175.73	175.73	Mxa: 2817.5
Tx	161.06	161.56	0.39	-0.39	14.53	14.49	0.05	-0.05	Myu: 3560.3
Ty	0.00	0.00	222.14	222.14	0.00	0.00	30.95	30.95	Mya: 4061.8
Nz	0.00	0.00	0.70	0.70	0.00	0.00	0.09	0.09	
S310	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_Q_Q	Zemin	Material:E1
Üst Mx	0.54	0.43	-4.85	4.86	3.05	1.30	-4.35	0.00	
Alt Mx	-0.66	-0.53	-4.77	-4.78	-1.97	-2.37	4.33	0.00	I = 75
Üst My	-63.55	-29.30	-32.04	-1.44	-30.79	-12.99	-23.20	0.00	J = 53
Alt My	49.80	22.74	28.05	-2.02	27.57	10.76	13.73	0.00	
Tx	-0.04	-0.04	-0.03	0.03	0.36	-0.36	-0.01	0.00	POLİGON
Ty	-4.58	-2.19	-1.33	-1.15	-1.07	-0.74	-3.16	0.00	KOLON
Nz	845.80	293.40	293.40	293.40	293.40	293.40	293.40	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-1000.67	-1003.85	-2.46	2.48	-72.32	-72.09	-0.28	0.28	
Alt Mx	1502.32	1507.15	3.75	-3.78	120.38	119.99	0.47	-0.47	M perde
Üst My	0.01	0.02	-1472.51	-1472.53	0.00	0.00	-165.59	-165.59	Mxu: 2817.5
Alt My	-0.01	-0.03	2195.63	2195.65	0.00	0.00	272.35	272.35	Mxa: 3165.3
Tx	167.22	167.77	0.43	-0.43	16.02	15.97	0.06	-0.06	Myu: 4061.8
Ty	0.00	0.00	241.04	241.04	0.00	0.00	35.59	35.59	Mya: 4563.3
Nz	0.00	0.00	0.78	0.78	0.00	0.00	0.10	0.10	
S210	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_Q_Q	Zemin	Material:E1
Üst Mx	0.64	0.52	4.64	-4.63	1.97	-5.98	4.03	0.00	
Alt Mx	-0.77	-0.64	-4.49	4.48	-2.93	6.05	-3.14	0.00	I = 53
Üst My	-73.15	-34.17	-5.53	-33.51	-14.95	-22.99	-40.15	0.00	J = 35
Alt My	61.64	28.65	2.75	30.03	12.99	15.08	37.50	0.00	
Tx	-0.04	-0.04	0.05	-0.05	-0.32	0.02	0.30	0.00	POLİGON
Ty	-3.83	-1.84	-0.93	-1.16	-0.65	-2.64	-0.88	0.00	KOLON
Nz	958.85	334.57	334.57	334.57	334.57	334.57	334.57	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-1431.02	-1435.61	-3.57	3.60	-113.99	-113.63	-0.44	0.45	
Alt Mx	2031.94	2038.40	5.04	-5.06	174.32	173.76	0.67	-0.67	M perde
Üst My	0.01	0.03	-2128.30	-2128.32	0.00	0.00	-263.04	-263.04	Mxu: 3165.3
Alt My	-0.01	-0.03	2992.85	2992.87	0.00	0.00	396.64	396.64	Mxa: 3513.1
Tx	200.31	200.93	0.49	-0.49	20.11	20.05	0.07	-0.07	Myu: 4563.3
Ty	0.00	0.00	288.18	288.18	0.00	0.00	44.53	44.53	Mya: 5064.7
Nz	0.00	0.00	0.85	0.85	0.00	0.00	0.11	0.11	
S110	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_Q_Q	Zemin	Material:E1
Üst Mx	0.76	0.63	-4.90	4.92	-5.42	2.34	3.12	0.00	
Alt Mx	-0.89	-0.75	5.14	-5.16	5.28	-1.07	-4.26	0.00	I = 35
Üst My	-85.36	-40.25	-38.28	-7.71	-25.38	-41.63	-24.97	0.00	J = 23
Alt My	76.06	35.77	36.14	4.78	18.04	39.73	24.05	0.00	
Tx	-0.04	-0.04	0.08	-0.08	-0.05	0.43	-0.38	0.00	POLİGON
Ty	-3.10	-1.50	-0.71	-0.98	-2.45	-0.63	-0.31	0.00	KOLON
Nz	1069.20	374.61	374.61	374.61	374.61	374.61	374.61	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-1975.26	-1981.54	-4.90	4.92	-169.14	-168.61	-0.65	0.65	
Alt Mx	2648.33	2656.64	6.48	-6.51	237.84	237.10	0.89	-0.90	M perde
Üst My	0.02	0.03	-2939.17	-2939.20	0.00	0.00	-389.08	-389.08	Mxu: 3513.1
Alt My	-0.02	-0.03	3921.05	3921.07	0.00	0.00	543.79	543.79	Mxa: 3594.3
Tx	224.36	225.03	0.53	-0.53	22.90	22.83	0.08	-0.08	Myu: 5064.7
Ty	0.00	0.00	327.29	327.29	0.00	0.00	51.57	51.57	Mya: 5181.7
Nz	0.00	0.00	0.90	0.90	0.00	0.00	0.12	0.12	
SZ10	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_Q_Q	Zemin	Material:E1
Üst Mx	0.90	0.76	4.12	-4.09	3.13	1.02	-4.09	0.00	
Alt Mx	-0.98	-0.83	-2.24	2.21	-2.49	-0.44	2.86	0.00	I = 23
Üst My	-100.23	-47.59	-14.17	-40.19	-44.53	-27.17	-37.03	0.00	J =
Alt My	95.93	45.51	17.36	34.65	39.76	29.99	35.28	0.00	
Tx	-0.02	-0.02	0.47	-0.47	0.16	0.14	-0.31	0.00	POLİGON
Ty	-1.07	-0.52	0.80	-1.38	-1.19	0.45	-0.44	0.00	KOLON
Nz	1190.48	413.60	413.60	413.60	413.60	413.60	413.60	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	-2612.48	-2620.68	-6.39	6.42	-234.51	-233.78	-0.88	0.89	
Alt Mx	3583.42	3594.30	8.49	-8.52	336.95	335.93	1.22	-1.23	M perde
Üst My	0.02	0.03	-3886.50	-3886.53	0.00	0.00	-538.83	-538.83	Mxu: 3594.3
Alt My	-0.02	-0.03	5181.70	5181.73	0.00	0.00	749.29	749.29	Mxa: 3594.3
Tx	242.73	243.41	0.52	-0.52	25.61	25.54	0.09	-0.09	Myu: 5181.7
Ty	0.00	0.00	323.80	323.80	0.00	0.00	52.61	52.61	Mya: 5181.7
Nz	0.00	0.00	0.93	0.93	0.00	0.00	0.12	0.12	

S411	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	-1.72	-0.73	-0.64	-0.24	-0.80	-0.70	-0.26	0.00	
Alt Mx	-1.54	-0.65	-0.25	-0.54	-0.84	-0.38	-0.36	0.00	I = 129
Üst My	-0.54	-0.28	1.45	-1.68	-1.21	-1.15	1.90	0.00	J = 104
Alt My	-0.54	-0.27	-0.97	0.74	-1.88	0.44	0.99	0.00	
Tx	-1.09	-0.46	-0.30	-0.26	-0.55	-0.36	-0.21	0.00	Bx= 35 cm
Ty	-0.36	-0.18	0.16	-0.31	-1.03	-0.23	0.96	0.00	By= 70 cm
Nz	90.49	34.67	34.67	34.67	34.67	34.67	34.67	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	8.73	8.98	0.12	-0.27	0.78	0.76	0.02	-0.04	
Alt Mx	8.49	8.73	0.12	-0.26	0.76	0.74	0.02	-0.03	
Üst My	-0.78	0.16	11.32	9.85	0.03	-0.05	1.53	1.33	
Alt My	-0.75	0.20	11.59	10.10	0.03	-0.05	1.54	1.34	
Tx	5.74	5.90	0.08	-0.18	0.51	0.50	0.01	-0.02	
Ty	-0.51	0.12	7.64	6.65	0.02	-0.04	1.02	0.89	
Nz	10.17	9.92	-2.64	-2.24	0.82	0.84	-0.34	-0.29	
S311	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	-1.93	-0.82	-0.20	-0.81	-0.86	-0.18	-0.97	0.00	
Alt Mx	-1.75	-0.75	-0.69	-0.22	-0.39	-0.37	-1.06	0.00	I = 104
Üst My	-0.81	-0.40	-2.33	1.99	-1.63	2.41	-1.46	0.00	J = 79
Alt My	-0.53	-0.28	1.25	-1.48	0.80	1.18	-2.44	0.00	
Tx	-1.23	-0.52	-0.30	-0.34	-0.42	-0.18	-0.68	0.00	Bx= 40 cm
Ty	-0.45	-0.23	-0.36	0.17	-0.28	1.20	-1.30	0.00	By= 80 cm
Nz	107.07	41.70	41.70	41.70	41.70	41.70	41.70	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	11.36	11.69	0.16	-0.36	1.04	1.01	0.02	-0.05	
Alt Mx	11.12	11.46	0.17	-0.35	1.01	0.98	0.02	-0.05	
Üst My	-0.89	0.23	13.45	11.70	0.04	-0.06	1.87	1.62	
Alt My	-0.90	0.31	14.57	12.69	0.04	-0.06	1.97	1.72	
Tx	7.49	7.71	0.11	-0.24	0.68	0.66	0.02	-0.03	
Ty	-0.60	0.18	9.34	8.13	0.03	-0.04	1.28	1.11	
Nz	11.12	10.78	-3.11	-2.57	0.89	0.92	-0.40	-0.33	
S211	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	-1.38	-0.59	-0.63	-0.09	-0.03	-0.79	-0.61	0.00	
Alt Mx	-1.28	-0.55	-0.09	-0.58	-0.24	-0.90	-0.19	0.00	I = 79
Üst My	-0.40	-0.23	1.67	-1.86	2.20	-1.50	-1.08	0.00	J = 57
Alt My	-0.34	-0.19	-1.51	1.35	1.04	-2.47	1.12	0.00	
Tx	-0.89	-0.38	-0.24	-0.22	-0.09	-0.56	-0.27	0.00	Bx= 40 cm
Ty	-0.25	-0.14	0.05	-0.17	1.08	-1.32	0.01	0.00	By= 80 cm
Nz	124.31	48.98	48.98	48.98	48.98	48.98	48.98	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	8.56	8.82	0.13	-0.27	0.80	0.78	0.02	-0.04	
Alt Mx	9.00	9.28	0.15	-0.28	0.84	0.81	0.02	-0.04	
Üst My	-0.61	0.17	9.31	8.09	0.03	-0.04	1.35	1.17	
Alt My	-0.74	0.31	12.53	10.90	0.04	-0.05	1.75	1.52	
Tx	5.85	6.03	0.09	-0.19	0.55	0.53	0.01	-0.03	
Ty	-0.45	0.16	7.28	6.33	0.02	-0.03	1.03	0.90	
Nz	11.58	11.14	-3.50	-2.82	0.93	0.96	-0.46	-0.37	
S111	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	-1.02	-0.44	0.01	-0.54	-0.64	-0.48	0.05	0.00	
Alt Mx	-0.93	-0.40	-0.45	-0.03	-0.73	-0.05	-0.19	0.00	I = 57
Üst My	-0.26	-0.14	-1.81	1.70	-1.27	-0.94	1.99	0.00	J = 39
Alt My	0.04	0.01	1.19	-1.15	-1.97	1.42	0.64	0.00	
Tx	-0.65	-0.28	-0.15	-0.19	-0.46	-0.18	-0.05	0.00	Bx= 40 cm
Ty	-0.07	-0.04	-0.21	0.18	-1.08	0.16	0.88	0.00	By= 80 cm
Nz	142.20	56.57	56.57	56.57	56.57	56.57	56.57	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	6.62	6.82	0.11	-0.20	0.63	0.61	0.02	-0.03	
Alt Mx	7.36	7.60	0.15	-0.23	0.70	0.68	0.02	-0.03	
Üst My	-0.45	0.13	6.96	6.06	0.02	-0.03	1.02	0.89	
Alt My	-0.65	0.31	11.55	10.04	0.04	-0.05	1.64	1.42	
Tx	4.66	4.81	0.09	-0.14	0.44	0.43	0.01	-0.02	
Ty	-0.37	0.15	6.17	5.37	0.02	-0.03	0.89	0.77	
Nz	11.98	11.46	-3.82	-3.02	0.96	1.00	-0.51	-0.40	
S211	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	-0.34	-0.15	-0.46	0.28	-0.36	0.22	-0.22	0.00	
Alt Mx	-0.17	-0.07	-0.23	0.14	-0.18	0.11	-0.11	0.00	I = 39
Üst My	0.03	0.01	2.10	-2.08	-1.32	1.84	-0.48	0.00	J =
Alt My	0.12	0.06	1.00	-0.93	-0.57	0.89	-0.19	0.00	
Tx	-0.13	-0.05	-0.17	0.11	-0.13	0.08	-0.08	0.00	Bx= 40 cm
Ty	0.04	0.02	0.77	-0.75	-0.47	0.68	-0.17	0.00	By= 80 cm
Nz	161.88	64.62	64.62	64.62	64.62	64.62	64.62	0.00	H = 4.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	2.05	2.11	0.03	-0.06	0.21	0.20	0.01	-0.01	
Alt Mx	2.87	2.98	0.08	-0.09	0.29	0.28	0.01	-0.01	
Üst My	-0.10	0.00	1.51	1.34	0.00	-0.01	0.27	0.24	
Alt My	-0.43	0.29	9.00	7.89	0.04	-0.03	1.36	1.19	
Tx	1.23	1.27	0.03	-0.04	0.12	0.12	0.00	-0.01	
Ty	-0.13	0.07	2.63	2.31	0.01	-0.01	0.41	0.36	
Nz	12.39	11.82	-4.09	-3.20	0.99	1.04	-0.54	-0.42	

S412	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	1.72	0.85	0.63	0.21	0.90	0.42	0.37	0.00	
Alt Mx	1.55	0.77	0.24	0.52	0.73	0.22	0.58	0.00	I = 160
Üst My	-2.25	-1.01	0.81	-1.86	-1.72	-1.52	1.15	0.00	J = 135
Alt My	-1.91	-0.86	-1.23	0.34	-2.19	0.02	0.40	0.00	
Tx	1.09	0.54	0.29	0.25	0.54	0.21	0.31	0.00	Bx= 35 cm
Ty	-1.39	-0.62	-0.14	-0.51	-1.30	-0.50	0.52	0.00	By= 70 cm
Nz	88.53	33.15	33.15	33.15	33.15	33.15	33.15	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	7.32	7.49	-0.58	-0.85	0.65	0.64	-0.08	-0.11	
Alt Mx	7.23	7.40	-0.52	-0.80	0.64	0.63	-0.07	-0.11	
Üst My	-0.83	0.99	13.16	10.33	0.11	-0.05	1.78	1.40	
Alt My	-0.84	0.97	13.26	10.44	0.11	-0.05	1.76	1.39	
Tx	4.85	4.96	-0.37	-0.55	0.43	0.42	-0.05	-0.07	
Ty	-0.55	0.65	8.81	6.92	0.07	-0.03	1.18	0.93	
Nz	1.01	1.92	4.14	2.73	0.18	0.11	0.53	0.35	
S312	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	2.04	1.03	0.20	0.81	0.48	0.40	1.16	0.00	
Alt Mx	1.91	0.96	0.71	0.24	0.19	0.76	0.94	0.00	I = 135
Üst My	-2.29	-1.04	-2.43	1.35	-1.94	1.71	-1.93	0.00	J = 110
Alt My	-1.93	-0.88	0.79	-1.69	0.34	0.58	-2.73	0.00	
Tx	1.32	0.66	0.30	0.35	0.22	0.38	0.70	0.00	Bx= 40 cm
Ty	-1.41	-0.64	-0.55	-0.11	-0.53	0.76	-1.55	0.00	By= 80 cm
Nz	104.71	39.85	39.85	39.85	39.85	39.85	39.85	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	9.87	10.12	-0.69	-1.08	0.90	0.88	-0.09	-0.14	
Alt Mx	9.85	10.11	-0.60	-1.01	0.90	0.87	-0.08	-0.14	
Üst My	-0.99	1.15	15.38	12.04	0.13	-0.06	2.13	1.67	
Alt My	-1.07	1.17	16.33	12.83	0.13	-0.06	2.21	1.74	
Tx	6.57	6.74	-0.43	-0.69	0.60	0.58	-0.06	-0.09	
Ty	-0.68	0.77	10.57	8.29	0.09	-0.04	1.45	1.13	
Nz	1.06	2.08	4.56	2.96	0.19	0.11	0.59	0.38	
S212	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	1.56	0.78	0.66	0.11	0.28	0.97	0.29	0.00	
Alt Mx	1.44	0.72	0.12	0.59	0.63	0.76	0.03	0.00	I = 110
Üst My	-1.56	-0.71	1.19	-1.93	1.66	-1.80	-1.32	0.00	J = 85
Alt My	-1.35	-0.61	-1.62	0.99	0.59	-2.61	0.76	0.00	
Tx	1.00	0.50	0.26	0.24	0.30	0.58	0.10	0.00	Bx= 40 cm
Ty	-0.97	-0.44	-0.14	-0.31	0.75	-1.47	-0.19	0.00	By= 80 cm
Nz	121.07	46.68	46.68	46.68	46.68	46.68	46.68	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	7.64	7.85	-0.47	-0.80	0.72	0.70	-0.06	-0.11	
Alt Mx	8.13	8.37	-0.40	-0.77	0.76	0.74	-0.05	-0.10	
Üst My	-0.70	0.77	10.55	8.24	0.09	-0.05	1.52	1.18	
Alt My	-0.95	0.96	13.86	10.89	0.11	-0.06	1.93	1.52	
Tx	5.26	5.40	-0.29	-0.52	0.49	0.48	-0.04	-0.07	
Ty	-0.55	0.58	8.14	6.37	0.07	-0.04	1.15	0.90	
Nz	1.13	2.25	4.85	3.10	0.20	0.11	0.63	0.40	
S112	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	1.12	0.57	0.00	0.56	0.78	0.16	0.18	0.00	
Alt Mx	1.01	0.51	0.46	0.04	0.54	-0.09	0.55	0.00	I = 85
Üst My	-1.18	-0.53	-1.85	1.29	-1.52	-1.14	1.55	0.00	J = 63
Alt My	-0.95	-0.43	0.85	-1.29	-2.15	1.01	0.26	0.00	
Tx	0.71	0.36	0.15	0.20	0.44	0.02	0.24	0.00	Bx= 40 cm
Ty	-0.71	-0.32	-0.33	0.00	-1.22	-0.05	0.60	0.00	By= 80 cm
Nz	138.34	53.92	53.92	53.92	53.92	53.92	53.92	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	5.89	6.06	-0.32	-0.59	0.57	0.55	-0.04	-0.08	
Alt Mx	6.67	6.89	-0.24	-0.57	0.64	0.62	-0.03	-0.08	
Üst My	-0.55	0.56	7.98	6.25	0.07	-0.04	1.17	0.91	
Alt My	-0.93	0.82	12.76	10.02	0.10	-0.06	1.81	1.42	
Tx	4.19	4.31	-0.19	-0.39	0.40	0.39	-0.02	-0.05	
Ty	-0.49	0.46	6.91	5.42	0.06	-0.03	0.99	0.78	
Nz	1.06	2.26	5.09	3.22	0.20	0.10	0.66	0.42	
S212	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	0.36	0.18	0.46	-0.28	0.09	-0.18	0.45	0.00	
Alt Mx	0.18	0.09	0.22	-0.14	0.04	-0.09	0.22	0.00	I = 63
Üst My	-0.46	-0.21	1.79	-2.01	-1.36	1.54	-0.62	0.00	J =
Alt My	-0.11	-0.05	0.85	-0.90	-0.59	0.75	-0.25	0.00	
Tx	0.13	0.07	0.17	-0.10	0.03	-0.07	0.17	0.00	Bx= 40 cm
Ty	-0.14	-0.06	0.66	-0.73	-0.49	0.57	-0.22	0.00	By= 80 cm
Nz	157.52	61.69	61.69	61.69	61.69	61.69	61.69	0.00	H = 4.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	1.79	1.83	-0.11	-0.18	0.18	0.18	-0.01	-0.03	
Alt Mx	2.74	2.84	0.01	-0.15	0.28	0.26	0.00	-0.02	
Üst My	-0.12	0.11	1.87	1.51	0.02	-0.01	0.32	0.26	
Alt My	-0.69	0.53	9.52	7.62	0.07	-0.05	1.44	1.15	
Tx	1.13	1.17	-0.02	-0.08	0.11	0.11	0.00	-0.01	
Ty	-0.20	0.16	2.85	2.28	0.02	-0.01	0.44	0.35	
Nz	0.83	2.08	5.29	3.34	0.18	0.07	0.69	0.44	

S413	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	2.71	1.29	0.48	0.81	0.58	1.09	0.92	0.00	
Alt Mx	2.66	1.23	0.72	0.52	0.71	1.09	0.68	0.00	I = 187
Üst My	-2.92	-1.21	-0.20	-1.09	-1.35	-0.98	-0.24	0.00	J = 163
Alt My	-2.56	-1.07	-0.81	-0.31	-1.31	-0.41	-0.53	0.00	
Tx	1.79	0.84	0.40	0.44	0.43	0.73	0.53	0.00	Bx= 35 cm
Ty	-1.83	-0.76	-0.34	-0.47	-0.89	-0.46	-0.26	0.00	By= 70 cm
Nz	54.27	17.36	17.36	17.36	17.36	17.36	17.36	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	4.11	4.17	-0.60	-0.69	0.36	0.36	-0.08	-0.09	
Alt Mx	4.13	4.20	-0.54	-0.64	0.36	0.36	-0.07	-0.09	
Üst My	-2.26	0.35	14.88	10.81	0.07	-0.16	2.01	1.46	
Alt My	-2.16	0.43	14.90	10.85	0.07	-0.15	1.98	1.44	
Tx	2.75	2.79	-0.38	-0.44	0.24	0.24	-0.05	-0.06	
Ty	-1.47	0.26	9.93	7.22	0.05	-0.10	1.33	0.97	
Nz	12.84	16.15	17.27	12.12	1.37	1.10	2.17	1.52	
S313	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	3.61	1.67	1.07	0.60	1.40	1.21	0.74	0.00	
Alt Mx	3.05	1.45	0.57	0.89	1.32	0.74	0.86	0.00	I = 163
Üst My	-3.28	-1.38	-1.36	-0.11	-1.19	-0.16	-1.58	0.00	J = 138
Alt My	-2.91	-1.22	-0.24	-1.05	-0.37	-0.63	-1.58	0.00	
Tx	2.22	1.04	0.55	0.50	0.91	0.65	0.53	0.00	Bx= 40 cm
Ty	-2.07	-0.87	-0.53	-0.39	-0.52	-0.26	-1.05	0.00	By= 80 cm
Nz	64.40	20.78	20.78	20.78	20.78	20.78	20.78	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	5.24	5.32	-0.71	-0.84	0.48	0.47	-0.09	-0.11	
Alt Mx	5.47	5.58	-0.62	-0.78	0.49	0.48	-0.08	-0.10	
Üst My	-2.59	0.47	17.49	12.69	0.09	-0.19	2.42	1.76	
Alt My	-2.56	0.63	18.32	13.33	0.10	-0.18	2.49	1.81	
Tx	3.57	3.63	-0.44	-0.54	0.32	0.32	-0.06	-0.07	
Ty	-1.72	0.37	11.94	8.67	0.06	-0.12	1.64	1.19	
Nz	16.20	20.29	21.16	14.78	1.74	1.41	2.71	1.89	
S213	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	2.21	1.11	0.36	0.76	0.77	0.41	1.05	0.00	
Alt Mx	2.15	1.07	0.71	0.36	0.45	0.62	1.08	0.00	I = 138
Üst My	-2.53	-1.07	-0.05	-1.07	-0.06	-1.35	-0.83	0.00	J = 113
Alt My	-2.32	-0.98	-0.93	-0.09	-0.53	-1.40	-0.11	0.00	
Tx	1.45	0.72	0.36	0.37	0.41	0.34	0.71	0.00	Bx= 40 cm
Ty	-1.62	-0.68	-0.33	-0.39	-0.20	-0.92	-0.31	0.00	By= 80 cm
Nz	74.87	24.31	24.31	24.31	24.31	24.31	24.31	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	3.91	3.98	-0.49	-0.60	0.37	0.36	-0.06	-0.08	
Alt Mx	4.62	4.72	-0.42	-0.59	0.43	0.42	-0.06	-0.08	
Üst My	-1.82	0.31	12.10	8.76	0.06	-0.14	1.74	1.26	
Alt My	-2.10	0.62	15.50	11.25	0.10	-0.15	2.16	1.57	
Tx	2.84	2.90	-0.31	-0.40	0.27	0.26	-0.04	-0.05	
Ty	-1.31	0.31	9.20	6.67	0.05	-0.10	1.30	0.94	
Nz	19.72	24.58	24.89	17.30	2.14	1.73	3.25	2.26	
S113	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	2.03	1.00	0.71	0.29	0.37	0.94	0.70	0.00	
Alt Mx	2.00	0.98	0.36	0.63	0.65	0.95	0.38	0.00	I = 113
Üst My	-2.46	-1.05	-1.06	-0.04	-1.26	-0.81	-0.12	0.00	J = 88
Alt My	-2.49	-1.06	-0.20	-0.90	-1.30	-0.16	-0.73	0.00	
Tx	1.34	0.66	0.36	0.31	0.34	0.63	0.36	0.00	Bx= 40 cm
Ty	-1.65	-0.70	-0.42	-0.31	-0.85	-0.33	-0.28	0.00	By= 80 cm
Nz	85.22	27.76	27.76	27.76	27.76	27.76	27.76	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	3.00	3.06	-0.35	-0.45	0.29	0.28	-0.05	-0.06	
Alt Mx	4.02	4.13	-0.27	-0.45	0.38	0.37	-0.04	-0.06	
Üst My	-1.42	0.20	9.32	6.78	0.04	-0.11	1.36	0.99	
Alt My	-1.90	0.60	14.26	10.35	0.09	-0.14	2.03	1.47	
Tx	2.34	2.40	-0.21	-0.30	0.22	0.22	-0.03	-0.04	
Ty	-1.11	0.26	7.86	5.71	0.05	-0.08	1.13	0.82	
Nz	22.59	28.13	28.23	19.59	2.48	2.01	3.75	2.60	
SZ13	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	0.83	0.41	-0.05	0.47	0.43	0.41	-0.02	0.00	
Alt Mx	0.40	0.20	-0.03	0.23	0.21	0.20	-0.01	0.00	I = 88
Üst My	-1.30	-0.56	0.33	-0.91	-0.67	0.21	-0.71	0.00	J =
Alt My	-0.50	-0.21	0.18	-0.39	-0.27	0.14	-0.29	0.00	
Tx	0.31	0.15	-0.02	0.17	0.16	0.15	-0.01	0.00	Bx= 40 cm
Ty	-0.45	-0.19	0.13	-0.32	-0.23	0.09	-0.25	0.00	By= 80 cm
Nz	96.25	31.10	31.10	31.10	31.10	31.10	31.10	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	0.79	0.80	-0.12	-0.14	0.08	0.08	-0.02	-0.02	
Alt Mx	2.25	2.34	0.00	-0.13	0.23	0.22	0.00	-0.02	
Üst My	-0.42	-0.06	2.38	1.82	0.00	-0.04	0.40	0.31	
Alt My	-1.07	0.63	10.08	7.43	0.09	-0.08	1.52	1.12	
Tx	0.76	0.79	-0.03	-0.07	0.08	0.08	0.00	-0.01	
Ty	-0.37	0.14	3.12	2.31	0.02	-0.03	0.48	0.36	
Nz	24.32	30.34	30.81	21.40	2.70	2.18	4.14	2.88	

S414	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:El
Üst Mx	-2.74	-1.30	-0.82	-0.48	-0.80	-0.66	-1.15	0.00	
Alt Mx	-2.68	-1.24	-0.51	-0.74	-0.61	-0.83	-1.07	0.00	I = 72
Üst My	3.48	1.47	0.35	1.23	1.65	0.94	0.57	0.00	J = 50
Alt My	3.14	1.34	0.97	0.47	1.42	0.49	0.97	0.00	
Tx	-1.81	-0.85	-0.45	-0.41	-0.47	-0.49	-0.74	0.00	Bx= 35 cm
Ty	2.21	0.94	0.44	0.57	1.02	0.48	0.52	0.00	By= 70 cm
Nz	53.43	16.99	16.99	16.99	16.99	16.99	16.99	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	4.20	4.13	-0.70	-0.59	0.36	0.37	-0.09	-0.08	
Alt Mx	4.22	4.14	-0.65	-0.53	0.36	0.36	-0.09	-0.07	
Üst My	0.66	-1.94	10.81	14.87	-0.20	0.02	1.46	2.01	
Alt My	0.74	-1.85	10.85	14.89	-0.19	0.03	1.44	1.98	
Tx	2.81	2.76	-0.45	-0.37	0.24	0.24	-0.06	-0.05	
Ty	0.47	-1.26	7.22	9.92	-0.13	0.02	0.97	1.33	
Nz	-16.53	-13.18	-12.12	-17.34	-1.04	-1.31	-1.52	-2.18	
S314	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:El
Üst Mx	-3.64	-1.68	-0.59	-1.10	-0.82	-1.50	-1.06	0.00	
Alt Mx	-3.07	-1.46	-0.91	-0.56	-0.99	-1.28	-0.67	0.00	I = 50
Üst My	3.89	1.67	1.50	0.29	1.08	0.54	1.97	0.00	J = 32
Alt My	3.59	1.54	0.42	1.23	0.44	1.17	1.70	0.00	
Tx	-2.24	-1.05	-0.50	-0.55	-0.60	-0.93	-0.58	0.00	Bx= 40 cm
Ty	2.49	1.07	0.64	0.51	0.51	0.57	1.22	0.00	By= 80 cm
Nz	63.44	20.35	20.35	20.35	20.35	20.35	20.35	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	5.36	5.26	-0.85	-0.69	0.47	0.48	-0.11	-0.09	
Alt Mx	5.61	5.49	-0.80	-0.60	0.48	0.49	-0.11	-0.08	
Üst My	0.85	-2.21	12.69	17.48	-0.24	0.04	1.76	2.42	
Alt My	1.01	-2.18	13.33	18.32	-0.23	0.05	1.81	2.49	
Tx	3.66	3.58	-0.55	-0.43	0.32	0.32	-0.07	-0.06	
Ty	0.62	-1.46	8.67	11.93	-0.16	0.03	1.19	1.64	
Nz	-20.79	-16.63	-14.77	-21.25	-1.34	-1.68	-1.89	-2.72	
S214	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:El
Üst Mx	-2.23	-1.12	-0.78	-0.34	-1.11	-0.64	-0.50	0.00	
Alt Mx	-2.17	-1.08	-0.36	-0.73	-1.02	-0.38	-0.77	0.00	I = 32
Üst My	2.89	1.24	0.15	1.17	0.36	1.60	0.69	0.00	J = 20
Alt My	2.85	1.23	1.07	0.24	1.01	1.43	0.17	0.00	
Tx	-1.47	-0.73	-0.38	-0.36	-0.71	-0.34	-0.42	0.00	Bx= 40 cm
Ty	1.91	0.82	0.41	0.47	0.46	1.01	0.29	0.00	By= 80 cm
Nz	73.80	23.83	23.83	23.83	23.83	23.83	23.83	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	4.01	3.92	-0.61	-0.48	0.36	0.37	-0.08	-0.06	
Alt Mx	4.76	4.63	-0.60	-0.41	0.42	0.43	-0.08	-0.05	
Üst My	0.60	-1.54	8.76	12.10	-0.17	0.03	1.26	1.74	
Alt My	0.96	-1.76	11.24	15.49	-0.19	0.05	1.57	2.16	
Tx	2.92	2.85	-0.41	-0.30	0.26	0.27	-0.06	-0.04	
Ty	0.52	-1.10	6.67	9.20	-0.12	0.03	0.94	1.30	
Nz	-25.20	-20.26	-17.30	-25.01	-1.65	-2.07	-2.26	-3.27	
S114	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:El
Üst Mx	-2.04	-1.00	-0.28	-0.73	-0.58	-0.45	-0.99	0.00	
Alt Mx	-2.01	-0.99	-0.65	-0.35	-0.36	-0.76	-0.87	0.00	I = 20
Üst My	2.71	1.17	1.11	0.12	1.46	0.65	0.36	0.00	J = 12
Alt My	2.94	1.28	0.32	1.03	1.29	0.24	1.16	0.00	
Tx	-1.35	-0.66	-0.31	-0.36	-0.31	-0.40	-0.62	0.00	Bx= 40 cm
Ty	1.88	0.82	0.48	0.38	0.92	0.30	0.50	0.00	By= 80 cm
Nz	84.06	27.23	27.23	27.23	27.23	27.23	27.23	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	3.08	3.01	-0.46	-0.35	0.28	0.29	-0.06	-0.05	
Alt Mx	4.16	4.04	-0.46	-0.26	0.37	0.38	-0.06	-0.03	
Üst My	0.42	-1.20	6.78	9.31	-0.13	0.02	0.99	1.36	
Alt My	0.93	-1.57	10.35	14.26	-0.18	0.05	1.47	2.03	
Tx	2.41	2.35	-0.30	-0.20	0.22	0.22	-0.04	-0.03	
Ty	0.45	-0.92	5.71	7.86	-0.10	0.02	0.82	1.13	
Nz	-28.85	-23.22	-19.58	-28.37	-1.91	-2.40	-2.60	-3.77	
S214	GGGGG	QQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:El
Üst Mx	-0.84	-0.41	-0.49	0.07	-0.02	-0.50	-0.31	0.00	
Alt Mx	-0.41	-0.20	-0.24	0.04	-0.01	-0.25	-0.15	0.00	I = 12
Üst My	1.30	0.56	-0.32	0.90	0.44	-0.17	0.89	0.00	J =
Alt My	0.71	0.31	-0.12	0.45	0.25	-0.04	0.45	0.00	
Tx	-0.31	-0.15	-0.18	0.03	-0.01	-0.19	-0.11	0.00	Bx= 40 cm
Ty	0.50	0.22	-0.11	0.34	0.17	-0.05	0.34	0.00	By= 80 cm
Nz	95.04	30.54	30.54	30.54	30.54	30.54	30.54	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	0.81	0.80	-0.14	-0.12	0.08	0.08	-0.02	-0.02	
Alt Mx	2.36	2.26	-0.14	0.01	0.22	0.23	-0.02	0.00	
Üst My	0.00	-0.36	1.82	2.38	-0.04	0.00	0.31	0.40	
Alt My	0.87	-0.83	7.43	10.08	-0.10	0.06	1.12	1.52	
Tx	0.79	0.76	-0.07	-0.03	0.08	0.08	-0.01	0.00	
Ty	0.22	-0.30	2.31	3.12	-0.04	0.01	0.36	0.48	
Nz	-31.15	-25.02	-21.39	-30.96	-2.08	-2.61	-2.88	-4.16	

S415	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.66	-0.83	-0.21	-0.61	-0.74	-0.67	-0.21	0.00	
Alt Mx	-1.50	-0.76	-0.51	-0.23	-0.80	-0.37	-0.32	0.00	I = 73
Üst My	2.78	1.26	-0.67	2.00	2.70	0.10	-0.14	0.00	J = 51
Alt My	2.48	1.13	1.37	-0.18	1.88	-0.74	1.23	0.00	
Tx	-1.05	-0.53	-0.24	-0.28	-0.51	-0.35	-0.18	0.00	Bx= 35 cm
Ty	1.75	0.80	0.23	0.61	1.53	-0.21	0.36	0.00	By= 70 cm
Nz	87.95	32.88	32.88	32.88	32.88	32.88	32.88	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	7.57	7.38	-0.86	-0.56	0.64	0.65	-0.11	-0.07	
Alt Mx	7.48	7.28	-0.81	-0.50	0.63	0.64	-0.11	-0.07	
Üst My	1.23	-0.59	10.33	13.17	-0.08	0.08	1.40	1.78	
Alt My	1.20	-0.61	10.44	13.26	-0.08	0.08	1.39	1.76	
Tx	5.01	4.89	-0.56	-0.35	0.42	0.43	-0.07	-0.05	
Ty	0.81	-0.40	6.92	8.81	-0.05	0.05	0.93	1.18	
Nz	-2.47	-1.56	-2.79	-4.21	-0.13	-0.20	-0.35	-0.54	
S315	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.98	-1.01	-0.80	-0.19	-0.87	-0.17	-0.93	0.00	
Alt Mx	-1.85	-0.93	-0.23	-0.69	-0.41	-0.36	-1.05	0.00	I = 51
Üst My	2.87	1.31	2.57	-1.18	-0.03	-0.51	3.32	0.00	J = 33
Alt My	2.59	1.18	-0.62	1.88	-1.26	1.59	2.17	0.00	
Tx	-1.27	-0.65	-0.34	-0.29	-0.43	-0.18	-0.66	0.00	Bx= 40 cm
Ty	1.82	0.83	0.65	0.23	-0.43	0.36	1.83	0.00	By= 80 cm
Nz	104.06	39.55	39.55	39.55	39.55	39.55	39.55	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	10.21	9.93	-1.09	-0.66	0.88	0.90	-0.15	-0.08	
Alt Mx	10.19	9.90	-1.03	-0.57	0.87	0.90	-0.14	-0.07	
Üst My	1.43	-0.71	12.04	15.38	-0.09	0.10	1.67	2.13	
Alt My	1.45	-0.79	12.83	16.33	-0.10	0.10	1.74	2.21	
Tx	6.80	6.61	-0.71	-0.41	0.58	0.60	-0.09	-0.05	
Ty	0.96	-0.50	8.29	10.57	-0.06	0.06	1.13	1.45	
Nz	-2.65	-1.62	-3.03	-4.65	-0.13	-0.21	-0.39	-0.60	
S215	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.51	-0.76	-0.10	-0.64	-0.06	-0.79	-0.64	0.00	
Alt Mx	-1.40	-0.71	-0.58	-0.10	-0.25	-0.91	-0.22	0.00	I = 33
Üst My	1.91	0.88	-1.10	2.02	-0.43	2.79	-0.51	0.00	J = 21
Alt My	1.86	0.85	1.75	-0.84	1.59	1.80	-1.57	0.00	
Tx	-0.97	-0.49	-0.23	-0.25	-0.10	-0.57	-0.29	0.00	Bx= 40 cm
Ty	1.26	0.58	0.22	0.39	0.39	1.53	-0.69	0.00	By= 80 cm
Nz	120.35	46.35	46.35	46.35	46.35	46.35	46.35	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	7.91	7.68	-0.81	-0.45	0.69	0.72	-0.11	-0.06	
Alt Mx	8.44	8.17	-0.79	-0.37	0.73	0.76	-0.11	-0.05	
Üst My	0.98	-0.50	8.24	10.55	-0.07	0.07	1.18	1.52	
Alt My	1.20	-0.70	10.89	13.86	-0.09	0.08	1.52	1.93	
Tx	5.45	5.28	-0.53	-0.27	0.48	0.49	-0.07	-0.03	
Ty	0.73	-0.40	6.37	8.14	-0.05	0.05	0.90	1.15	
Nz	-2.83	-1.70	-3.18	-4.94	-0.13	-0.22	-0.41	-0.64	
S115	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.09	-0.55	-0.55	0.01	-0.64	-0.50	0.05	0.00	
Alt Mx	-0.98	-0.50	-0.04	-0.45	-0.73	-0.07	-0.18	0.00	I = 21
Üst My	1.43	0.65	1.90	-1.21	2.39	-0.54	-0.47	0.00	J = 13
Alt My	1.40	0.64	-0.75	1.43	1.17	-1.47	1.67	0.00	
Tx	-0.69	-0.35	-0.20	-0.15	-0.46	-0.19	-0.04	0.00	Bx= 40 cm
Ty	0.94	0.43	0.38	0.07	1.19	-0.67	0.40	0.00	By= 80 cm
Nz	137.56	53.56	53.56	53.56	53.56	53.56	53.56	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	6.12	5.92	-0.60	-0.30	0.55	0.57	-0.08	-0.04	
Alt Mx	6.95	6.71	-0.59	-0.22	0.62	0.64	-0.08	-0.03	
Üst My	0.72	-0.39	6.25	7.98	-0.05	0.05	0.91	1.17	
Alt My	1.06	-0.69	10.02	12.76	-0.09	0.07	1.42	1.81	
Tx	4.36	4.21	-0.40	-0.17	0.39	0.40	-0.05	-0.02	
Ty	0.59	-0.36	5.42	6.91	-0.05	0.04	0.78	0.99	
Nz	-2.84	-1.63	-3.31	-5.19	-0.11	-0.22	-0.43	-0.68	
SZ15	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.35	-0.18	0.28	-0.45	-0.37	0.22	-0.20	0.00	
Alt Mx	-0.17	-0.09	0.13	-0.22	-0.18	0.11	-0.10	0.00	I = 13
Üst My	0.46	0.21	-1.78	2.00	-0.17	-1.21	1.83	0.00	J =
Alt My	0.32	0.15	-0.80	0.96	-0.04	-0.53	0.89	0.00	
Tx	-0.13	-0.07	0.10	-0.17	-0.14	0.08	-0.08	0.00	Bx= 40 cm
Ty	0.20	0.09	-0.64	0.74	-0.05	-0.44	0.68	0.00	By= 80 cm
Nz	156.71	61.31	61.31	61.31	61.31	61.31	61.31	0.00	H = 4.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	1.85	1.80	-0.19	-0.10	0.18	0.18	-0.03	-0.01	
Alt Mx	2.87	2.75	-0.16	0.02	0.26	0.27	-0.02	0.00	
Üst My	0.15	-0.08	1.51	1.87	-0.01	0.01	0.26	0.32	
Alt My	0.70	-0.51	7.62	9.52	-0.07	0.05	1.15	1.44	
Tx	1.18	1.14	-0.09	-0.02	0.11	0.11	-0.01	0.00	
Ty	0.21	-0.15	2.28	2.85	-0.02	0.02	0.35	0.44	
Nz	-2.68	-1.42	-3.44	-5.40	-0.09	-0.20	-0.45	-0.71	

S416	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	2.27	0.96	0.40	0.76	1.08	0.65	0.59	0.00	
Alt Mx	2.06	0.87	0.66	0.40	0.92	0.43	0.76	0.00	I = 101
Üst My	1.16	0.57	-1.26	1.82	2.38	-0.57	-0.70	0.00	J = 76
Alt My	1.19	0.56	-1.12	-0.57	1.53	-1.31	0.89	0.00	
Tx	1.44	0.61	0.35	0.38	0.67	0.36	0.45	0.00	Bx= 35 cm
Ty	0.78	0.38	-0.05	0.42	1.30	-0.63	0.06	0.00	By= 70 cm
Nz	86.38	32.96	32.96	32.96	32.96	32.96	32.96	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	8.80	8.52	-0.26	0.17	0.73	0.76	-0.04	0.02	
Alt Mx	8.61	8.34	-0.26	0.17	0.72	0.74	-0.03	0.02	
Üst My	0.30	-0.65	9.81	11.29	-0.07	0.01	1.33	1.53	
Alt My	0.34	-0.62	10.07	11.56	-0.07	0.02	1.34	1.54	
Tx	5.80	5.62	-0.17	0.11	0.48	0.50	-0.02	0.02	
Ty	0.21	-0.42	6.63	7.62	-0.04	0.01	0.89	1.02	
Nz	-9.67	-9.93	1.94	2.35	-0.82	-0.80	0.25	0.30	
S316	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	2.64	1.13	0.96	0.41	0.75	0.64	1.36	0.00	
Alt Mx	2.40	1.03	0.41	0.84	2.40	0.93	1.13	0.00	I = 76
Üst My	1.49	0.71	2.46	-1.77	-0.65	-1.02	3.06	0.00	J = 54
Alt My	1.27	0.62	-1.05	1.67	-1.84	1.28	1.79	0.00	
Tx	1.68	0.72	0.46	0.42	0.40	0.52	0.83	0.00	Bx= 40 cm
Ty	0.92	0.44	0.47	-0.03	-0.83	0.09	1.62	0.00	By= 80 cm
Nz	102.43	39.75	39.75	39.75	39.75	39.75	39.75	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	11.65	11.28	-0.35	0.23	0.99	1.02	-0.05	0.03	
Alt Mx	11.45	11.08	-0.35	0.23	0.97	1.00	-0.05	0.03	
Üst My	0.41	-0.73	11.66	13.43	-0.08	0.02	1.62	1.87	
Alt My	0.48	-0.73	12.66	14.56	-0.08	0.03	1.71	1.97	
Tx	7.70	7.45	-0.24	0.15	0.65	0.68	-0.03	0.02	
Ty	0.30	-0.49	8.11	9.33	-0.05	0.02	1.11	1.28	
Nz	-10.89	-11.24	2.24	2.78	-0.94	-0.91	0.29	0.36	
S216	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	1.90	0.81	0.24	0.74	0.43	1.08	0.46	0.00	
Alt Mx	1.76	0.76	0.68	0.23	0.75	0.89	0.19	0.00	I = 54
Üst My	0.82	0.42	-1.53	1.95	-0.76	2.59	-1.00	0.00	J = 36
Alt My	0.91	0.46	1.64	-1.18	1.43	1.51	-2.03	0.00	
Tx	1.22	0.52	0.31	0.32	0.39	0.66	0.22	0.00	Bx= 40 cm
Ty	0.58	0.29	0.03	0.25	0.22	1.37	-1.01	0.00	By= 80 cm
Nz	119.19	46.82	46.82	46.82	46.82	46.82	46.82	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	8.85	8.56	-0.27	0.18	0.77	0.80	-0.04	0.03	
Alt Mx	9.32	9.00	-0.29	0.20	0.81	0.84	-0.04	0.03	
Üst My	0.30	-0.48	8.07	9.30	-0.05	0.02	1.17	1.34	
Alt My	0.46	-0.59	10.88	12.52	-0.07	0.03	1.52	1.75	
Tx	6.05	5.85	-0.19	0.13	0.53	0.54	-0.03	0.02	
Ty	0.26	-0.36	6.32	7.28	-0.04	0.02	0.89	1.03	
Nz	-11.71	-12.14	2.46	3.14	-1.02	-0.99	0.32	0.41	
S116	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	1.41	0.61	0.62	0.11	0.88	0.29	0.29	0.00	
Alt Mx	1.28	0.55	0.14	0.53	0.67	0.04	0.62	0.00	I = 36
Üst My	0.55	0.27	1.84	-1.58	2.22	-0.95	-0.76	0.00	J = 24
Alt My	0.44	0.21	-1.07	1.28	0.81	-1.87	1.48	0.00	
Tx	0.89	0.39	0.25	0.21	0.52	0.11	0.30	0.00	Bx= 40 cm
Ty	0.33	0.16	0.26	-0.10	1.01	-0.94	0.24	0.00	By= 80 cm
Nz	136.71	54.24	54.24	54.24	54.24	54.24	54.24	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	6.85	6.62	-0.21	0.15	0.61	0.63	-0.03	0.02	
Alt Mx	7.63	7.36	-0.24	0.18	0.67	0.70	-0.03	0.03	
Üst My	0.23	-0.35	6.04	6.96	-0.04	0.02	0.89	1.02	
Alt My	0.46	-0.51	10.03	11.55	-0.06	0.03	1.42	1.64	
Tx	4.82	4.66	-0.15	0.11	0.43	0.44	-0.02	0.02	
Ty	0.23	-0.29	5.36	6.17	-0.03	0.01	0.77	0.89	
Nz	-12.40	-12.91	2.65	3.44	-1.10	-1.05	0.35	0.46	
SZ16	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	0.47	0.20	-0.22	0.47	0.16	-0.13	0.46	0.00	
Alt Mx	0.23	0.10	-0.11	0.23	0.08	-0.06	0.22	0.00	I = 24
Üst My	-0.01	-0.01	-2.07	2.05	-0.43	-1.40	1.80	0.00	J =
Alt My	0.10	0.05	-0.94	0.99	-0.16	-0.61	0.88	0.00	
Tx	0.17	0.08	-0.08	0.17	0.06	-0.05	0.17	0.00	Bx= 40 cm
Ty	0.02	0.01	-0.75	0.76	-0.15	-0.50	0.67	0.00	By= 80 cm
Nz	156.15	62.18	62.18	62.18	62.18	62.18	62.18	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	2.11	2.04	-0.06	0.04	0.20	0.20	-0.01	0.01	
Alt Mx	2.99	2.87	-0.10	0.09	0.27	0.29	-0.01	0.01	
Üst My	0.03	-0.08	1.34	1.51	-0.01	0.00	0.24	0.27	
Alt My	0.39	-0.32	7.89	9.00	-0.04	0.03	1.19	1.36	
Tx	1.28	1.23	-0.04	0.03	0.12	0.12	-0.01	0.01	
Ty	0.10	-0.10	2.31	2.63	-0.01	0.01	0.36	0.41	
Nz	-12.97	-13.53	2.82	3.69	-1.16	-1.11	0.37	0.49	

S417	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-2.28	-0.97	-0.76	-0.40	-0.98	-0.88	-0.47	0.00	
Alt Mx	-2.06	-0.88	-0.40	-0.66	-1.00	-0.57	-0.55	0.00	I = 130
Üst My	1.17	0.57	-1.26	1.82	2.38	-0.57	-0.70	0.00	J = 105
Alt My	1.19	0.57	1.12	-0.56	1.53	-1.31	0.90	0.00	
Tx	-1.45	-0.62	-0.39	-0.35	-0.66	-0.48	-0.34	0.00	Bx= 35 cm
Ty	0.78	0.38	-0.05	0.42	1.30	-0.63	0.07	0.00	By= 70 cm
Nz	86.42	32.99	32.99	32.99	32.99	32.99	32.99	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	8.80	8.52	-0.17	0.26	0.73	0.76	-0.02	0.04	
Alt Mx	8.61	8.34	-0.17	0.26	0.72	0.74	-0.02	0.03	
Üst My	-0.30	0.65	11.30	9.81	0.07	-0.01	1.53	1.33	
Alt My	-0.34	0.62	11.56	10.07	0.07	-0.02	1.54	1.34	
Tx	5.80	5.62	-0.11	0.17	0.48	0.50	-0.02	0.02	
Ty	-0.21	0.42	7.62	6.63	0.04	-0.01	1.02	0.89	
Nz	9.67	9.93	2.35	1.94	0.82	0.80	0.30	0.25	
S317	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-2.65	-1.14	-0.41	-0.97	-1.11	-0.45	-1.20	0.00	
Alt Mx	-2.41	-1.04	-0.85	-0.40	-0.64	-0.60	-1.26	0.00	I = 105
Üst My	1.49	0.71	2.46	-1.77	-0.65	-1.02	3.06	0.00	J = 80
Alt My	1.27	0.62	-1.05	1.67	-1.84	1.29	1.79	0.00	
Tx	-1.69	-0.72	-0.42	-0.46	-0.58	-0.35	-0.82	0.00	Bx= 40 cm
Ty	0.92	0.44	0.47	-0.03	-0.83	0.09	1.62	0.00	By= 80 cm
Nz	102.47	39.78	39.78	39.78	39.78	39.78	39.78	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	11.65	11.28	-0.23	0.35	0.99	1.02	-0.03	0.05	
Alt Mx	11.45	11.08	-0.23	0.35	0.97	1.00	-0.03	0.05	
Üst My	-0.41	0.73	13.43	11.66	0.08	-0.02	1.87	1.62	
Alt My	-0.48	0.73	14.56	12.66	0.08	-0.03	1.97	1.71	
Tx	7.70	7.45	-0.15	0.24	0.65	0.68	-0.02	0.03	
Ty	-0.30	0.49	9.33	8.11	0.05	-0.02	1.28	1.11	
Nz	10.89	11.24	2.78	2.24	0.94	0.91	0.36	0.29	
S217	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-1.91	-0.82	-0.75	-0.24	-0.24	-0.94	-0.79	0.00	
Alt Mx	-1.77	-0.76	-0.23	-0.69	-0.42	-1.04	-0.38	0.00	I = 80
Üst My	0.83	0.42	-1.53	1.95	-0.76	2.59	-1.00	0.00	J = 58
Alt My	0.91	0.46	1.64	-1.18	1.44	1.51	-2.03	0.00	
Tx	-1.23	-0.53	-0.33	-0.31	-0.22	-0.66	-0.39	0.00	Bx= 40 cm
Ty	0.58	0.29	0.03	0.25	0.22	1.37	-1.01	0.00	By= 80 cm
Nz	119.24	46.85	46.85	46.85	46.85	46.85	46.85	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	8.85	8.56	-0.18	0.27	0.77	0.80	-0.03	0.04	
Alt Mx	9.32	9.00	-0.20	0.29	0.81	0.84	-0.03	0.04	
Üst My	-0.30	0.48	9.30	8.07	0.05	-0.02	1.34	1.17	
Alt My	-0.46	0.59	12.52	10.88	0.07	-0.03	1.75	1.52	
Tx	6.05	5.85	-0.13	0.19	0.53	0.54	-0.02	0.03	
Ty	-0.26	0.36	7.28	6.32	0.04	-0.02	1.03	0.89	
Nz	11.71	12.14	3.13	2.46	1.02	0.99	0.41	0.32	
S117	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-1.41	-0.61	-0.11	-0.62	-0.76	-0.61	-0.09	0.00	
Alt Mx	-1.28	-0.55	-0.53	-0.13	-0.84	-0.19	-0.30	0.00	I = 58
Üst My	0.55	0.27	1.84	-1.58	2.22	-0.95	-0.75	0.00	J = 40
Alt My	0.44	0.21	-1.07	1.28	0.81	-1.88	1.49	0.00	
Tx	-0.90	-0.39	-0.21	-0.25	-0.53	-0.27	-0.13	0.00	Bx= 40 cm
Ty	0.33	0.16	0.26	-0.10	1.01	-0.94	0.25	0.00	By= 80 cm
Nz	136.76	54.27	54.27	54.27	54.27	54.27	54.27	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	6.85	6.62	-0.15	0.21	0.61	0.63	-0.02	0.03	
Alt Mx	7.63	7.36	-0.19	0.24	0.67	0.70	-0.03	0.03	
Üst My	-0.23	0.35	6.96	6.05	0.04	-0.02	1.02	0.89	
Alt My	-0.46	0.51	11.55	10.03	0.06	-0.03	1.64	1.42	
Tx	4.82	4.66	-0.11	0.15	0.43	0.44	-0.02	0.02	
Ty	-0.23	0.29	6.17	5.36	0.03	-0.01	0.89	0.77	
Nz	12.40	12.91	3.44	2.65	1.10	1.05	0.45	0.35	
SZ17	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.47	-0.20	-0.47	0.23	-0.40	0.16	-0.25	0.00	
Alt Mx	-0.23	-0.10	-0.23	0.11	-0.20	0.08	-0.12	0.00	I = 40
Üst My	-0.01	-0.01	-2.07	2.05	-0.44	-1.40	1.81	0.00	J =
Alt My	0.10	0.05	-0.94	0.99	-0.16	-0.61	0.88	0.00	
Tx	-0.17	-0.08	-0.17	0.08	-0.15	0.06	-0.09	0.00	Bx= 40 cm
Ty	0.02	0.01	-0.75	0.76	-0.15	-0.50	0.67	0.00	By= 80 cm
Nz	156.20	62.21	62.21	62.21	62.21	62.21	62.21	0.00	H = 4.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	2.11	2.04	-0.04	0.06	0.20	0.20	-0.01	0.01	
Alt Mx	2.99	2.87	-0.09	0.10	0.27	0.29	-0.01	0.01	
Üst My	-0.03	0.08	1.51	1.34	0.01	0.00	0.27	0.24	
Alt My	-0.39	0.32	9.00	7.89	0.04	-0.03	1.36	1.19	
Tx	1.28	1.23	-0.03	0.04	0.12	0.12	-0.01	0.01	
Ty	-0.10	0.10	2.63	2.31	0.01	-0.01	0.41	0.36	
Nz	12.97	13.53	3.69	2.82	1.16	1.11	0.49	0.37	

S418	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.66	0.83	0.61	0.20	0.88	0.40	0.35	0.00	I = 161
Alt Mx	1.50	0.75	0.23	0.51	0.72	0.21	0.56	0.00	J = 136
Üst My	2.79	1.26	-0.67	2.00	2.70	0.10	-0.14	0.00	Bx= 35 cm
Alt My	2.48	1.13	1.37	-0.18	1.89	-0.74	1.23	0.00	By= 70 cm
Tx	1.05	0.53	0.28	0.24	0.53	0.20	0.30	0.00	H = 3.00 m
Ty	1.75	0.80	0.23	0.61	1.53	-0.21	0.36	0.00	
Nz	88.00	32.91	32.91	32.91	32.91	32.91	32.91	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	7.57	7.38	0.56	0.86	0.64	0.65	0.07	0.11	
Alt Mx	7.48	7.28	0.50	0.81	0.63	0.64	0.07	0.11	
Üst My	-1.23	0.59	13.17	10.33	0.08	-0.08	1.78	1.40	
Alt My	-1.20	0.61	13.26	10.44	0.08	-0.08	1.76	1.39	
Tx	5.01	4.89	0.35	0.56	0.42	0.43	0.05	0.07	
Ty	-0.81	0.40	8.81	6.92	0.05	-0.05	1.18	0.93	
Nz	2.47	1.56	-4.22	-2.79	0.13	0.20	-0.54	-0.35	
S318	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.97	1.00	0.19	0.79	0.47	0.37	1.13	0.00	I = 136
Alt Mx	1.84	0.93	0.69	0.23	0.18	0.73	0.92	0.00	J = 111
Üst My	2.87	1.31	2.57	-1.18	-0.03	-0.52	3.32	0.00	Bx= 40 cm
Alt My	2.59	1.18	-0.62	1.88	-1.25	1.59	2.17	0.00	By= 80 cm
Tx	1.27	0.64	0.29	0.34	0.22	0.37	0.68	0.00	H = 3.00 m
Ty	1.82	0.83	0.65	0.23	-0.43	0.36	1.83	0.00	
Nz	104.11	39.59	39.59	39.59	39.59	39.59	39.59	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	10.21	9.93	0.66	1.09	0.88	0.90	0.08	0.15	
Alt Mx	10.19	9.90	0.57	1.03	0.87	0.89	0.07	0.14	
Üst My	-1.43	0.71	15.38	12.04	0.09	-0.10	2.13	1.67	
Alt My	-1.45	0.79	16.33	12.84	0.10	-0.10	2.21	1.74	
Tx	6.80	6.61	0.41	0.71	0.58	0.60	0.05	0.09	
Ty	-0.96	0.50	10.57	8.29	0.06	-0.06	1.45	1.13	
Nz	2.66	1.62	-4.65	-3.04	0.13	0.21	-0.60	-0.39	
S218	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.51	0.76	0.64	0.10	0.27	0.94	0.28	0.00	I = 111
Alt Mx	1.39	0.70	0.11	0.58	0.61	0.75	0.02	0.00	J = 86
Üst My	1.91	0.88	-1.10	2.03	-0.43	2.78	-0.51	0.00	Bx= 40 cm
Alt My	1.86	0.85	1.75	-0.84	1.59	1.80	-1.57	0.00	By= 80 cm
Tx	0.97	0.49	0.25	0.23	0.29	0.56	0.10	0.00	H = 3.00 m
Ty	1.26	0.58	0.22	0.39	0.39	1.53	-0.69	0.00	
Nz	120.40	46.38	46.38	46.38	46.38	46.38	46.38	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	7.91	7.68	0.45	0.81	0.69	0.72	0.06	0.11	
Alt Mx	8.44	8.17	0.37	0.79	0.73	0.76	0.05	0.11	
Üst My	-0.98	0.50	10.55	8.24	0.07	-0.07	1.52	1.18	
Alt My	-1.20	0.70	13.86	10.89	0.09	-0.08	1.93	1.52	
Tx	5.45	5.28	0.27	0.53	0.48	0.49	0.03	0.07	
Ty	-0.73	0.40	8.14	6.37	0.05	-0.05	1.15	0.90	
Nz	2.83	1.70	-4.95	-3.19	0.13	0.22	-0.64	-0.41	
S118	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	1.09	0.55	0.00	0.54	0.77	0.16	0.16	0.00	I = 86
Alt Mx	0.98	0.50	0.45	0.04	0.54	-0.08	0.52	0.00	J = 64
Üst My	1.43	0.65	1.90	-1.21	2.39	-0.54	-0.47	0.00	Bx= 40 cm
Alt My	1.40	0.64	-0.75	1.43	1.17	-1.47	1.66	0.00	By= 80 cm
Tx	0.69	0.35	0.15	0.19	0.44	0.02	0.23	0.00	H = 3.00 m
Ty	0.94	0.43	0.38	0.07	1.19	-0.67	0.40	0.00	
Nz	137.61	53.60	53.60	53.60	53.60	53.60	53.60	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	6.12	5.92	0.30	0.60	0.55	0.57	0.04	0.08	
Alt Mx	6.95	6.71	0.22	0.59	0.62	0.64	0.03	0.08	
Üst My	-0.72	0.39	7.98	6.25	0.05	-0.05	1.17	0.91	
Alt My	-1.06	0.69	12.76	10.02	0.09	-0.07	1.81	1.42	
Tx	4.36	4.21	0.17	0.40	0.39	0.40	0.02	0.05	
Ty	-0.59	0.36	6.91	5.42	0.05	-0.04	0.99	0.78	
Nz	2.84	1.63	-5.20	-3.32	0.11	0.22	-0.68	-0.43	
SZ18	GGGGG	QQQQQ	Q_Q_Q	_Q_Q_Q	QQ_QQ	_QQ_QQ	Q_QQ_Q	Zemin	Material: E1
Üst Mx	0.35	0.18	0.45	-0.28	0.10	-0.18	0.43	0.00	I = 64
Alt Mx	0.17	0.09	0.22	-0.13	0.05	-0.09	0.21	0.00	J =
Üst My	0.47	0.21	-1.78	2.00	-0.17	-1.21	1.82	0.00	Bx= 40 cm
Alt My	0.32	0.15	-0.80	0.96	-0.04	-0.53	0.89	0.00	By= 80 cm
Tx	0.13	0.07	0.17	-0.10	0.04	-0.07	0.16	0.00	H = 4.00 m
Ty	0.20	0.09	-0.64	0.74	-0.05	-0.43	0.68	0.00	
Nz	156.76	61.35	61.35	61.35	61.35	61.35	61.35	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	1.85	1.80	0.10	0.19	0.18	0.18	0.01	0.03	
Alt Mx	2.87	2.75	-0.02	0.16	0.26	0.27	0.00	0.02	
Üst My	-0.15	0.08	1.87	1.51	0.01	-0.01	0.32	0.26	
Alt My	-0.70	0.51	9.52	7.62	0.07	-0.05	1.44	1.15	
Tx	1.18	1.14	0.02	0.09	0.11	0.11	0.00	0.01	
Ty	-0.21	0.15	2.85	2.28	0.02	-0.02	0.44	0.35	
Nz	2.68	1.42	-5.41	-3.44	0.09	0.20	-0.71	-0.45	

S419	GGGGGG	QQQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:E1
Üst Mx	2.74	1.30	0.49	0.82	0.59	1.09	0.93	0.00	
Alt Mx	2.68	1.24	0.73	0.53	0.72	1.09	0.69	0.00	I = 188
Üst My	3.47	1.47	0.34	1.24	1.65	0.94	0.58	0.00	J = 164
Alt My	3.14	1.34	0.97	0.48	1.43	0.48	0.97	0.00	
Tx	1.81	0.85	0.40	0.45	0.44	0.73	0.54	0.00	Bx= 35 cm
Ty	2.20	0.94	0.43	0.57	1.02	0.48	0.52	0.00	By= 70 cm
Nz	53.43	16.98	16.98	16.98	16.98	16.98	16.98	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	4.20	4.13	0.59	0.70	0.36	0.37	0.08	0.09	
Alt Mx	4.22	4.14	0.53	0.65	0.36	0.36	0.07	0.09	
Üst My	-0.66	1.94	14.87	10.81	0.20	-0.02	2.01	1.46	
Alt My	-0.74	1.85	14.89	10.85	0.19	-0.03	1.98	1.44	
Tx	2.81	2.76	0.37	0.45	0.24	0.24	0.05	0.06	
Ty	-0.47	1.26	9.92	7.22	0.13	-0.02	1.33	0.97	
Nz	16.54	13.18	-17.35	-12.13	1.04	1.31	-2.18	-1.52	
S319	GGGGGG	QQQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:E1
Üst Mx	3.64	1.68	1.08	0.61	1.40	1.22	0.76	0.00	
Alt Mx	3.07	1.46	0.57	0.90	1.33	0.76	0.86	0.00	I = 164
Üst My	3.89	1.67	1.50	0.29	1.09	0.53	1.96	0.00	J = 139
Alt My	3.59	1.54	0.41	1.24	0.44	1.16	1.70	0.00	
Tx	2.24	1.05	0.55	0.50	0.91	0.66	0.54	0.00	Bx= 40 cm
Ty	2.49	1.07	0.64	0.51	0.51	0.56	1.22	0.00	By= 80 cm
Nz	63.44	20.35	20.35	20.35	20.35	20.35	20.35	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	5.36	5.26	0.69	0.85	0.47	0.48	0.09	0.11	
Alt Mx	5.61	5.49	0.60	0.80	0.48	0.49	0.08	0.11	
Üst My	-0.85	2.21	17.48	12.69	0.24	-0.04	2.42	1.76	
Alt My	-1.01	2.18	18.32	13.33	0.23	-0.05	2.49	1.81	
Tx	3.66	3.58	0.43	0.55	0.32	0.32	0.06	0.07	
Ty	-0.62	1.46	11.93	8.67	0.16	-0.03	1.64	1.19	
Nz	20.79	16.64	-21.26	-14.78	1.34	1.68	-2.73	-1.89	
S219	GGGGGG	QQQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:E1
Üst Mx	2.23	1.12	0.36	0.76	0.78	0.42	1.05	0.00	
Alt Mx	2.17	1.08	0.72	0.37	0.46	0.63	1.08	0.00	I = 139
Üst My	2.89	1.24	0.14	1.18	0.36	1.59	0.69	0.00	J = 114
Alt My	2.85	1.22	1.07	0.24	1.01	1.43	0.17	0.00	
Tx	1.47	0.73	0.36	0.38	0.42	0.35	0.71	0.00	Bx= 40 cm
Ty	1.91	0.82	0.40	0.47	0.46	1.01	0.29	0.00	By= 80 cm
Nz	73.80	23.82	23.82	23.82	23.82	23.82	23.82	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	4.01	3.92	0.48	0.61	0.36	0.37	0.06	0.08	
Alt Mx	4.76	4.63	0.41	0.60	0.42	0.43	0.05	0.08	
Üst My	-0.60	1.54	12.10	8.76	0.17	-0.03	1.74	1.26	
Alt My	-0.96	1.76	15.49	11.25	0.19	-0.05	2.16	1.57	
Tx	2.92	2.85	0.30	0.41	0.26	0.27	0.04	0.06	
Ty	-0.52	1.10	9.20	6.67	0.12	-0.03	1.30	0.94	
Nz	25.21	20.26	-25.02	-17.31	1.65	2.07	-3.27	-2.26	
S119	GGGGGG	QQQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:E1
Üst Mx	2.05	1.00	0.72	0.30	0.39	0.94	0.70	0.00	
Alt Mx	2.01	0.99	0.36	0.64	0.65	0.96	0.39	0.00	I = 114
Üst My	2.71	1.17	1.11	0.12	1.46	0.66	0.35	0.00	J = 89
Alt My	2.94	1.27	0.30	1.04	1.29	0.24	1.14	0.00	
Tx	1.35	0.66	0.36	0.31	0.35	0.63	0.36	0.00	Bx= 40 cm
Ty	1.88	0.81	0.47	0.39	0.92	0.30	0.50	0.00	By= 80 cm
Nz	84.06	27.22	27.22	27.22	27.22	27.22	27.22	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	3.08	3.01	0.35	0.46	0.28	0.29	0.05	0.06	
Alt Mx	4.16	4.04	0.26	0.46	0.37	0.38	0.03	0.06	
Üst My	-0.42	1.20	9.31	6.78	0.13	-0.02	1.36	0.99	
Alt My	-0.93	1.57	14.26	10.35	0.18	-0.05	2.03	1.47	
Tx	2.41	2.35	0.20	0.30	0.22	0.22	0.03	0.04	
Ty	-0.45	0.92	7.86	5.71	0.10	-0.02	1.13	0.82	
Nz	28.86	23.22	-28.39	-19.59	1.91	2.40	-3.77	-2.60	
SZ19	GGGGGG	QQQQQQ	Q_Q_Q	Q_Q_Q	QQ_QQ	QQ_QQ	Q_QQ_Q	Zemin	Material:E1
Üst Mx	0.84	0.41	-0.05	0.47	0.43	0.42	-0.01	0.00	
Alt Mx	0.41	0.20	-0.02	0.23	0.21	0.20	-0.01	0.00	I = 89
Üst My	1.30	0.56	-0.32	0.91	0.45	-0.16	0.88	0.00	J =
Alt My	0.71	0.31	-0.13	0.45	0.25	-0.04	0.45	0.00	
Tx	0.31	0.15	-0.02	0.17	0.16	0.16	0.00	0.00	Bx= 40 cm
Ty	0.50	0.22	-0.11	0.34	0.17	-0.05	0.33	0.00	By= 80 cm
Nz	95.03	30.54	30.54	30.54	30.54	30.54	30.54	0.00	H = 4.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	0.81	0.80	0.12	0.14	0.08	0.08	0.02	0.02	
Alt Mx	2.36	2.26	-0.01	0.14	0.22	0.23	0.00	0.02	
Üst My	0.00	0.36	2.38	1.82	0.04	0.00	0.40	0.31	
Alt My	-0.87	0.83	10.08	7.43	0.10	-0.06	1.52	1.12	
Tx	0.79	0.76	0.03	0.07	0.08	0.08	0.00	0.01	
Ty	-0.22	0.30	3.12	2.31	0.04	-0.01	0.48	0.36	
Nz	31.15	25.02	-30.98	-21.41	2.08	2.61	-4.16	-2.88	

S420	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-13.73	-5.83	-5.50	-1.11	-2.86	-4.60	-5.75	0.00	
Alt Mx	-8.43	-3.52	0.27	-4.09	-3.08	-3.87	-0.68	0.00	I = 102
Üst My	7.82	3.68	3.02	0.51	0.63	3.46	2.97	0.00	J = 77
Alt My	12.42	5.79	1.90	4.15	4.08	5.03	2.97	0.00	
Tx	-7.39	-3.12	-1.74	-1.73	-1.98	-2.83	-2.14	0.00	POLİGON
Ty	6.75	3.16	1.64	1.55	1.57	2.83	1.98	0.00	KOLON
Nz	214.57	55.77	55.77	55.77	55.77	55.77	55.77	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-121.36	-104.77	-33.23	-58.90	-5.78	-6.49	-3.27	-4.99	
Alt Mx	244.72	207.76	47.82	105.35	14.67	17.22	5.30	11.46	
Üst My	-56.01	-47.46	-23.85	-37.04	-2.93	-3.17	-1.38	-1.98	
Alt My	96.62	69.68	84.49	126.43	4.70	6.59	9.61	14.18	
Tx	41.12	34.33	4.86	15.49	2.97	3.58	0.67	2.15	
Ty	13.53	7.41	20.21	29.80	0.59	1.14	2.74	4.07	
Nz	-41.73	-49.03	64.88	76.28	-4.15	-3.55	8.30	9.75	
S320	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-13.62	-5.82	-1.26	-5.39	-4.31	-5.91	-3.06	0.00	
Alt Mx	-7.50	-3.10	-3.79	0.47	-3.71	-0.27	-2.66	0.00	I = 77
Üst My	6.00	2.90	0.04	2.63	3.14	2.43	-0.22	0.00	J = 55
Alt My	11.98	5.63	4.08	1.81	4.84	2.69	4.26	0.00	
Tx	-7.04	-2.97	-1.68	-1.64	-2.68	-2.06	-1.90	0.00	POLİGON
Ty	5.99	2.84	1.37	1.48	2.66	1.71	1.35	0.00	KOLON
Nz	247.68	64.79	64.79	64.79	64.79	64.79	64.79	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-217.92	-184.16	-51.41	-103.94	-12.65	-14.92	-5.78	-11.26	
Alt Mx	339.44	284.20	68.40	154.56	21.82	26.15	8.33	18.80	
Üst My	-95.02	-74.67	-54.19	-85.85	-5.23	-6.54	-5.48	-8.64	
Alt My	138.53	99.92	109.43	169.66	7.44	10.48	13.35	20.69	
Tx	40.51	33.35	5.66	16.87	3.06	3.74	0.85	2.51	
Ty	14.50	8.42	18.41	27.94	0.74	1.31	2.62	4.02	
Nz	-48.35	-57.12	76.60	90.29	-4.88	-4.15	9.90	11.67	
S220	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-13.69	-5.87	-5.48	-1.26	-5.81	-3.18	-4.49	0.00	
Alt Mx	-6.20	-2.53	0.69	-3.34	0.11	-2.16	-3.24	0.00	I = 55
Üst My	4.63	2.26	2.15	-0.19	1.96	-0.52	2.48	0.00	J = 37
Alt My	11.57	5.48	1.72	4.06	2.48	4.08	4.99	0.00	
Tx	-6.63	-2.80	-1.60	-1.53	-1.90	-1.78	-2.58	0.00	POLİGON
Ty	5.40	2.58	1.29	1.29	1.48	1.19	2.49	0.00	KOLON
Nz	279.95	73.46	73.46	73.46	73.46	73.46	73.46	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-315.49	-263.15	-71.61	-153.25	-19.98	-24.05	-8.77	-18.61	
Alt Mx	464.46	385.16	94.20	218.05	31.75	38.53	12.33	28.74	
Üst My	-136.96	-104.44	-81.56	-132.27	-7.93	-10.41	-9.46	-15.46	
Alt My	191.71	137.18	145.38	230.54	10.95	15.62	19.11	30.40	
Tx	49.66	40.67	7.53	21.60	3.92	4.83	1.19	3.37	
Ty	18.25	10.91	21.27	32.76	1.01	1.74	3.22	4.98	
Nz	-54.28	-64.45	87.48	103.35	-5.56	-4.70	11.42	13.49	
S120	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-14.02	-6.04	-1.27	-5.69	-3.26	-4.68	-5.98	0.00	
Alt Mx	-4.30	-1.75	-3.43	1.76	-1.45	-2.76	0.85	0.00	I = 37
Üst My	2.60	1.35	-0.67	1.60	-1.06	1.85	1.07	0.00	J = 25
Alt My	12.23	5.81	3.83	2.33	4.71	4.88	2.74	0.00	
Tx	-6.11	-2.60	-1.57	-1.31	-1.57	-2.48	-1.71	0.00	POLİGON
Ty	4.94	2.39	1.06	1.31	1.22	2.24	1.27	0.00	KOLON
Nz	311.08	81.64	81.64	81.64	81.64	81.64	81.64	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-445.28	-368.30	-96.81	-217.03	-30.25	-36.82	-12.70	-28.59	
Alt Mx	613.07	504.16	132.41	302.63	43.49	53.33	18.42	42.22	
Üst My	-190.40	-140.89	-122.29	-199.61	-11.36	-15.57	-15.81	-25.98	
Alt My	259.44	186.47	184.92	298.96	15.74	22.31	25.33	41.23	
Tx	55.93	45.29	11.87	28.53	4.41	5.50	1.91	4.54	
Ty	23.01	15.19	20.88	33.12	1.46	2.25	3.17	5.08	
Nz	-59.00	-70.34	96.48	114.18	-6.11	-5.14	12.71	15.04	
SZ20	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-14.80	-6.34	-5.33	-2.07	-5.05	-6.13	-3.62	0.00	
Alt Mx	5.22	2.28	1.12	1.77	1.46	1.89	2.43	0.00	I = 25
Üst My	-1.02	-0.25	1.03	-1.88	0.43	0.16	-2.29	0.00	J =
Alt My	8.15	3.74	2.44	1.84	2.99	3.11	2.46	0.00	
Tx	-2.40	-1.01	-1.05	-0.08	-0.90	-1.06	-0.30	0.00	POLİGON
Ty	1.78	0.87	0.87	-0.01	0.85	0.82	0.04	0.00	KOLON
Nz	345.95	89.21	89.21	89.21	89.21	89.21	89.21	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	-600.47	-493.05	-134.28	-302.16	-42.48	-52.18	-18.69	-42.15	
Alt Mx	892.98	737.62	181.06	423.96	67.50	82.25	26.33	62.01	
Üst My	-258.70	-189.15	-168.76	-277.47	-16.04	-22.29	-22.96	-38.07	
Alt My	356.50	246.75	320.52	492.12	21.47	31.95	47.74	73.09	
Tx	73.13	61.14	11.70	30.45	6.25	7.52	1.91	4.96	
Ty	24.45	14.40	37.94	53.66	1.36	2.41	6.20	8.76	
Nz	-62.11	-74.26	102.75	121.72	-6.49	-5.44	13.63	16.15	

S421	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.37	-0.57	-0.06	-0.56	-0.59	-0.59	-0.09	0.00	
Alt Mx	-1.19	-0.50	-0.41	-0.14	-0.65	-0.26	-0.19	0.00	I = 133
Üst My	2.83	1.51	1.15	0.33	0.34	1.63	1.00	0.00	J = 108
Alt My	2.38	1.32	0.40	0.90	0.70	1.50	0.40	0.00	
Tx	-0.85	-0.36	-0.16	-0.23	-0.41	-0.27	-0.09	0.00	Bx= 70 cm
Ty	1.74	0.94	0.52	0.41	0.34	1.04	0.47	0.00	By= 35 cm
Nz	58.67	19.41	19.41	19.41	19.41	19.41	19.41	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	15.11	13.23	-1.85	1.07	1.13	1.29	-0.25	0.15	
Alt Mx	15.10	13.25	-1.78	1.10	1.11	1.27	-0.24	0.15	
Üst My	0.00	-0.38	3.98	4.57	-0.04	0.00	0.54	0.62	
Alt My	0.02	-0.35	3.95	4.53	-0.03	0.00	0.53	0.60	
Tx	10.07	8.83	-1.21	0.72	0.75	0.85	-0.16	0.10	
Ty	0.01	-0.24	2.64	3.03	-0.02	0.00	0.35	0.41	
Nz	0.21	-0.99	15.22	17.09	-0.10	0.00	1.95	2.19	
S321	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-1.42	-0.60	-0.67	0.01	-0.67	0.01	-0.67	0.00	
Alt Mx	-1.25	-0.53	-0.05	-0.53	-0.22	-0.16	-0.79	0.00	I = 108
Üst My	3.10	1.76	0.26	1.47	2.00	1.21	0.26	0.00	J = 83
Alt My	3.26	1.77	1.27	0.48	2.01	0.48	1.00	0.00	
Tx	-0.89	-0.38	-0.24	-0.17	-0.30	-0.05	-0.48	0.00	Bx= 80 cm
Ty	2.12	1.18	0.51	0.65	1.34	0.56	0.42	0.00	By= 40 cm
Nz	69.82	23.34	23.34	23.34	23.34	23.34	23.34	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	17.68	15.47	-2.13	1.32	1.35	1.54	-0.29	0.19	
Alt Mx	18.43	16.16	-2.13	1.42	1.38	1.58	-0.29	0.19	
Üst My	0.04	-0.43	4.92	5.66	-0.04	0.00	0.68	0.78	
Alt My	0.08	-0.41	5.06	5.81	-0.04	0.00	0.69	0.79	
Tx	12.04	10.54	-1.42	0.91	0.91	1.04	-0.19	0.13	
Ty	0.04	-0.28	3.32	3.82	-0.03	0.00	0.46	0.53	
Nz	-0.71	-2.04	18.45	20.53	-0.19	-0.08	2.39	2.66	
S221	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.95	-0.41	0.07	-0.52	0.10	-0.53	-0.46	0.00	
Alt Mx	-0.88	-0.37	-0.44	0.03	-0.08	-0.67	-0.07	0.00	I = 83
Üst My	3.19	1.65	1.32	0.31	1.01	0.33	1.93	0.00	J = 61
Alt My	3.04	1.59	0.36	1.21	0.28	0.97	1.89	0.00	
Tx	-0.61	-0.26	-0.12	-0.16	0.01	-0.40	-0.18	0.00	Bx= 80 cm
Ty	2.08	1.08	0.56	0.51	0.43	0.43	1.27	0.00	By= 40 cm
Nz	80.96	27.27	27.27	27.27	27.27	27.27	27.27	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	12.14	10.59	-1.49	0.93	0.95	1.10	-0.21	0.14	
Alt Mx	15.37	13.46	-1.75	1.24	1.18	1.36	-0.24	0.17	
Üst My	0.06	-0.29	3.58	4.12	-0.03	0.00	0.51	0.59	
Alt My	0.10	-0.31	4.23	4.87	-0.03	0.00	0.59	0.68	
Tx	9.17	8.02	-1.08	0.72	0.71	0.82	-0.15	0.10	
Ty	0.05	-0.20	2.60	3.00	-0.02	0.00	0.37	0.42	
Nz	-1.88	-3.32	21.61	23.84	-0.30	-0.19	2.83	3.12	
S121	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.68	-0.29	-0.44	0.12	-0.43	-0.36	0.15	0.00	
Alt Mx	-0.60	-0.26	0.07	-0.35	-0.54	0.05	-0.08	0.00	I = 61
Üst My	3.14	1.66	0.31	1.34	0.44	1.84	1.02	0.00	J = 43
Alt My	3.43	1.81	1.24	0.56	1.30	1.86	0.45	0.00	
Tx	-0.43	-0.18	-0.13	-0.08	-0.33	-0.10	0.02	0.00	Bx= 80 cm
Ty	2.19	1.16	0.52	0.63	0.58	1.23	0.49	0.00	By= 40 cm
Nz	92.19	31.23	31.23	31.23	31.23	31.23	31.23	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m
Üst Mx	9.14	7.97	-1.15	0.68	0.73	0.84	-0.17	0.10	
Alt Mx	13.75	12.03	-1.59	1.10	1.07	1.23	-0.23	0.16	
Üst My	0.06	-0.22	2.84	3.26	-0.02	0.00	0.41	0.48	
Alt My	0.12	-0.25	3.81	4.39	-0.03	0.01	0.55	0.63	
Tx	7.63	6.67	-0.91	0.59	0.60	0.69	-0.13	0.09	
Ty	0.06	-0.15	2.22	2.55	-0.02	0.00	0.32	0.37	
Nz	-2.81	-4.32	24.17	26.53	-0.40	-0.27	3.19	3.50	
SZ21	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	-0.22	-0.10	0.30	-0.41	-0.31	0.25	-0.15	0.00	
Alt Mx	-0.10	-0.05	0.14	-0.19	-0.15	0.11	-0.07	0.00	I = 43
Üst My	1.59	0.84	1.06	-0.22	1.04	0.79	-0.15	0.00	J =
Alt My	0.80	0.42	0.52	-0.10	0.52	0.39	-0.07	0.00	
Tx	-0.08	-0.04	0.11	-0.15	-0.11	0.09	-0.05	0.00	Bx= 80 cm
Ty	0.60	0.32	0.40	-0.08	0.39	0.30	-0.06	0.00	By= 40 cm
Nz	104.14	35.12	35.12	35.12	35.12	35.12	35.12	0.00	
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m
Üst Mx	2.19	1.92	-0.32	0.10	0.20	0.23	-0.05	0.02	
Alt Mx	9.02	7.91	-0.92	0.82	0.75	0.86	-0.14	0.12	
Üst My	0.01	-0.06	0.83	0.95	-0.01	0.00	0.13	0.15	
Alt My	0.10	-0.10	2.27	2.60	-0.01	0.01	0.34	0.39	
Tx	2.80	2.46	-0.31	0.23	0.24	0.27	-0.05	0.04	
Ty	0.03	-0.04	0.78	0.89	0.00	0.00	0.12	0.14	
Nz	-3.36	-4.92	25.84	28.28	-0.46	-0.32	3.44	3.76	

S422	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.11	-0.04	-0.27	0.22	0.29	-0.19	-0.19	0.00	
Alt Mx	-0.10	-0.04	0.13	-0.17	0.16	-0.29	0.06	0.00	I = 131
Üst My	1.79	1.07	0.11	0.86	1.30	0.66	-0.02	0.00	J = 106
Alt My	1.42	0.92	0.68	0.15	1.21	0.06	0.39	0.00	
Tx	-0.07	-0.03	-0.04	0.02	0.15	-0.16	-0.04	0.00	Bx= 70 cm
Ty	1.07	0.66	0.26	0.34	0.84	0.24	0.12	0.00	By= 35 cm
Nz	61.84	20.63	20.63	20.63	20.63	20.63	20.63	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	14.65	12.77	-1.55	1.39	1.09	1.25	-0.21	0.19	
Alt Mx	14.78	12.91	-1.53	1.39	1.08	1.24	-0.20	0.19	
Üst My	0.05	-0.03	4.77	4.90	0.00	0.00	0.64	0.66	
Alt My	0.05	-0.03	4.63	4.75	0.00	0.00	0.62	0.63	
Tx	9.81	8.56	-1.03	0.92	0.72	0.83	-0.14	0.12	
Ty	0.03	-0.02	3.13	3.22	0.00	0.00	0.42	0.43	
Nz	-0.42	-0.72	18.24	18.71	-0.06	-0.04	2.34	2.40	
S322	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.14	-0.06	0.34	-0.39	-0.22	-0.26	0.37	0.00	
Alt Mx	-0.12	-0.05	-0.25	0.20	-0.39	0.12	0.18	0.00	I = 106
Üst My	1.94	1.27	1.16	0.00	0.84	-0.17	1.65	0.00	J = 81
Alt My	2.27	1.34	0.21	1.03	0.11	0.66	1.72	0.00	
Tx	-0.09	-0.04	0.03	-0.06	-0.20	-0.05	0.18	0.00	Bx= 80 cm
Ty	1.40	0.87	0.46	0.35	0.32	0.17	1.12	0.00	By= 40 cm
Nz	73.12	24.63	24.63	24.63	24.63	24.63	24.63	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	17.57	15.31	-1.85	1.69	1.33	1.53	-0.26	0.24	
Alt Mx	18.47	16.13	-1.89	1.76	1.38	1.58	-0.26	0.24	
Üst My	0.06	-0.03	5.60	5.74	0.00	0.00	0.77	0.79	
Alt My	0.06	-0.04	5.63	5.79	0.00	0.00	0.77	0.79	
Tx	12.01	10.48	-1.25	1.15	0.90	1.04	-0.17	0.16	
Ty	0.04	-0.02	3.74	3.84	0.00	0.00	0.51	0.53	
Nz	-0.46	-0.81	21.42	21.96	-0.07	-0.04	2.77	2.84	
S222	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.09	-0.04	-0.30	0.27	-0.19	0.35	-0.24	0.00	
Alt Mx	-0.09	-0.04	0.23	-0.26	0.16	0.17	-0.40	0.00	I = 81
Üst My	2.48	1.35	0.14	1.13	0.05	1.73	0.77	0.00	J = 59
Alt My	2.37	1.30	1.05	0.19	0.75	1.71	0.02	0.00	
Tx	-0.06	-0.02	-0.02	0.00	-0.01	0.17	-0.21	0.00	Bx= 80 cm
Ty	1.62	0.88	0.40	0.44	0.26	1.15	0.26	0.00	By= 40 cm
Nz	84.37	28.62	28.62	28.62	28.62	28.62	28.62	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	12.30	10.68	-1.31	1.21	0.96	1.11	-0.19	0.17	
Alt Mx	15.50	13.52	-1.59	1.50	1.19	1.37	-0.22	0.21	
Üst My	0.04	-0.02	3.92	4.02	0.00	0.00	0.56	0.57	
Alt My	0.05	-0.03	4.59	4.73	0.00	0.00	0.64	0.66	
Tx	9.26	8.07	-0.97	0.91	0.72	0.83	-0.14	0.13	
Ty	0.03	-0.02	2.84	2.91	0.00	0.00	0.40	0.41	
Nz	-0.48	-0.88	24.33	24.95	-0.08	-0.05	3.18	3.26	
S122	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.07	-0.03	0.29	-0.31	0.31	-0.20	-0.16	0.00	
Alt Mx	-0.06	-0.03	-0.20	0.18	0.09	-0.33	0.20	0.00	I = 59
Üst My	2.73	1.50	1.23	0.22	1.75	0.89	0.26	0.00	J = 41
Alt My	3.17	1.72	0.48	1.20	1.81	0.33	1.21	0.00	
Tx	-0.04	-0.02	0.03	-0.05	0.13	-0.18	0.01	0.00	Bx= 80 cm
Ty	1.97	1.08	0.57	0.47	1.19	0.41	0.49	0.00	By= 40 cm
Nz	95.74	32.66	32.66	32.66	32.66	32.66	32.66	0.00	H = 3.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	9.19	7.97	-0.99	0.93	0.73	0.84	-0.14	0.14	
Alt Mx	13.78	12.01	-1.41	1.36	1.07	1.24	-0.20	0.20	
Üst My	0.03	-0.02	3.08	3.15	0.00	0.00	0.44	0.46	
Alt My	0.05	-0.03	4.08	4.21	0.00	0.00	0.58	0.60	
Tx	7.66	6.66	-0.80	0.76	0.60	0.69	-0.11	0.11	
Ty	0.03	-0.02	2.39	2.45	0.00	0.00	0.34	0.35	
Nz	-0.51	-0.94	26.68	27.35	-0.09	-0.05	3.51	3.60	
S222	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:E1
Üst Mx	-0.02	-0.01	-0.35	0.34	-0.08	-0.22	0.28	0.00	
Alt Mx	-0.01	-0.01	-0.16	0.16	-0.04	-0.10	0.14	0.00	I = 41
Üst My	1.56	0.84	-0.24	1.07	0.80	-0.20	1.05	0.00	J =
Alt My	0.79	0.42	-0.11	0.53	0.40	-0.09	0.52	0.00	
Tx	-0.01	0.00	-0.13	0.12	-0.03	-0.08	0.10	0.00	Bx= 80 cm
Ty	0.59	0.32	-0.09	0.40	0.30	-0.07	0.39	0.00	By= 40 cm
Nz	107.88	36.66	36.66	36.66	36.66	36.66	36.66	0.00	H = 4.00 m
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y		
Üst Mx	2.19	1.90	-0.24	0.22	0.20	0.23	-0.04	0.04	
Alt Mx	9.02	7.90	-0.88	0.88	0.75	0.86	-0.13	0.13	
Üst My	0.01	0.00	0.89	0.90	0.00	0.00	0.14	0.14	
Alt My	0.04	-0.03	2.39	2.48	0.00	0.00	0.36	0.37	
Tx	2.80	2.45	-0.28	0.28	0.24	0.27	-0.04	0.04	
Ty	0.01	-0.01	0.82	0.85	0.00	0.00	0.12	0.13	
Nz	-0.53	-0.99	28.20	28.91	-0.09	-0.05	3.73	3.82	

S423	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	0.10	0.04	0.27	-0.22	-0.13	0.36	-0.14	0.00	
Alt Mx	0.10	0.04	-0.14	0.18	0.12	0.21	-0.24	0.00	I = 132
Üst My	1.79	1.07	0.11	0.86	1.31	0.66	-0.03	0.00	J = 107
Alt My	1.42	0.92	0.68	0.15	1.23	0.06	0.38	0.00	
Tx	0.07	0.02	0.04	-0.02	0.00	0.19	-0.13	0.00	Bx= 70 cm
Ty	1.07	0.66	0.26	0.34	0.85	0.24	0.12	0.00	By= 35 cm
Nz	61.83	20.62	20.62	20.62	20.62	20.62	20.62	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	14.65	12.77	-1.39	1.55	1.09	1.25	-0.19	0.21	
Alt Mx	14.78	12.91	-1.39	1.53	1.08	1.24	-0.19	0.20	
Üst My	-0.05	0.03	4.90	4.77	0.00	0.00	0.66	0.64	
Alt My	-0.05	0.03	4.75	4.63	0.00	0.00	0.63	0.62	
Tx	9.81	8.56	-0.92	1.03	0.72	0.83	-0.12	0.14	
Ty	-0.03	0.02	3.22	3.13	0.00	0.00	0.43	0.42	
Nz	0.42	0.72	18.71	18.24	0.06	0.04	2.40	2.34	
S323	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	0.13	0.05	-0.35	0.40	0.46	-0.17	-0.18	0.00	
Alt Mx	0.11	0.04	0.24	-0.19	0.24	-0.34	0.20	0.00	I = 107
Üst My	1.94	1.27	1.16	0.00	0.85	-0.19	1.66	0.00	J = 82
Alt My	2.27	1.34	0.21	1.03	0.10	0.65	1.74	0.00	
Tx	0.08	0.03	-0.03	0.07	0.23	-0.17	0.01	0.00	Bx= 80 cm
Ty	1.40	0.87	0.46	0.35	0.32	0.15	1.13	0.00	By= 40 cm
Nz	73.12	24.62	24.62	24.62	24.62	24.62	24.62	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	17.57	15.31	-1.69	1.85	1.33	1.53	-0.24	0.26	
Alt Mx	18.47	16.13	-1.76	1.89	1.38	1.58	-0.24	0.26	
Üst My	-0.06	0.03	5.74	5.60	0.00	0.00	0.79	0.77	
Alt My	-0.06	0.04	5.79	5.63	0.00	0.00	0.79	0.77	
Tx	12.01	10.48	-1.15	1.25	0.90	1.04	-0.16	0.17	
Ty	-0.04	0.02	3.84	3.74	0.00	0.00	0.53	0.51	
Nz	0.46	0.81	21.96	21.42	0.07	0.04	2.84	2.77	
S223	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	0.09	0.03	0.30	-0.26	-0.20	-0.13	0.41	0.00	
Alt Mx	0.08	0.03	-0.24	0.27	-0.36	0.22	0.21	0.00	I = 82
Üst My	2.48	1.35	0.14	1.13	0.03	1.74	0.78	0.00	J = 60
Alt My	2.37	1.30	1.05	0.19	0.73	1.73	0.01	0.00	
Tx	0.06	0.02	0.02	0.00	-0.19	0.03	0.21	0.00	Bx= 80 cm
Ty	1.62	0.88	0.40	0.44	0.25	1.16	0.26	0.00	By= 40 cm
Nz	84.37	28.61	28.61	28.61	28.61	28.61	28.61	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	12.30	10.68	-1.22	1.31	0.96	1.11	-0.17	0.19	
Alt Mx	15.50	13.52	-1.50	1.59	1.19	1.37	-0.21	0.22	
Üst My	-0.04	0.02	4.02	3.92	0.00	0.00	0.57	0.56	
Alt My	-0.05	0.03	4.73	4.59	0.00	0.00	0.66	0.64	
Tx	9.26	8.07	-0.91	0.97	0.72	0.83	-0.13	0.14	
Ty	-0.03	0.02	2.91	2.84	0.00	0.00	0.41	0.40	
Nz	0.48	0.88	24.95	24.33	0.08	0.05	3.26	3.18	
S123	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	0.06	0.02	-0.30	0.32	-0.12	0.34	-0.17	0.00	
Alt Mx	0.05	0.02	0.19	-0.17	0.25	0.10	-0.31	0.00	I = 60
Üst My	2.73	1.50	1.23	0.22	1.76	0.90	0.24	0.00	J = 42
Alt My	3.17	1.72	0.48	1.20	1.84	0.32	1.20	0.00	
Tx	0.04	0.01	-0.03	0.05	0.05	0.15	-0.16	0.00	Bx= 80 cm
Ty	1.97	1.08	0.57	0.47	1.20	0.40	0.48	0.00	By= 40 cm
Nz	95.74	32.65	32.65	32.65	32.65	32.65	32.65	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	9.19	7.97	-0.93	0.98	0.73	0.84	-0.14	0.14	
Alt Mx	13.78	12.01	-1.36	1.41	1.07	1.24	-0.20	0.20	
Üst My	-0.03	0.02	3.15	3.08	0.00	0.00	0.46	0.44	
Alt My	-0.05	0.03	4.21	4.08	0.00	0.00	0.60	0.58	
Tx	7.66	6.66	-0.76	0.80	0.60	0.69	-0.11	0.11	
Ty	-0.03	0.02	2.45	2.39	0.00	0.00	0.35	0.34	
Nz	0.51	0.94	27.35	26.68	0.09	0.05	3.60	3.51	
S223	GGGGGG	QQQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:El
Üst Mx	0.02	0.01	0.35	-0.34	0.31	-0.08	-0.21	0.00	
Alt Mx	0.01	0.00	0.16	-0.16	0.14	-0.04	-0.09	0.00	I = 42
Üst My	1.56	0.84	-0.24	1.07	0.81	-0.22	1.05	0.00	J =
Alt My	0.79	0.42	-0.11	0.53	0.41	-0.10	0.52	0.00	
Tx	0.01	0.00	0.13	-0.12	0.11	-0.03	-0.08	0.00	Bx= 80 cm
Ty	0.59	0.32	-0.09	0.40	0.30	-0.08	0.39	0.00	By= 40 cm
Nz	107.88	36.65	36.65	36.65	36.65	36.65	36.65	0.00	H = 4.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	2.19	1.90	-0.22	0.24	0.20	0.23	-0.04	0.04	
Alt Mx	9.02	7.90	-0.88	0.88	0.75	0.86	-0.13	0.13	
Üst My	-0.01	0.00	0.90	0.89	0.00	0.00	0.14	0.14	
Alt My	-0.04	0.03	2.48	2.39	0.00	0.00	0.37	0.36	
Tx	2.80	2.45	-0.28	0.28	0.24	0.27	-0.04	0.04	
Ty	-0.01	0.01	0.85	0.82	0.00	0.00	0.13	0.12	
Nz	0.53	0.99	28.91	28.20	0.09	0.05	3.82	3.73	

S424	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	1.36	0.57	0.03	0.59	0.26	0.22	0.77	0.00	
Alt Mx	1.19	0.50	0.42	0.13	0.07	0.45	0.58	0.00	I = 162
Üst My	2.83	1.51	1.15	0.33	0.34	1.62	1.01	0.00	J = 137
Alt My	2.38	1.32	0.40	0.90	0.69	1.50	0.41	0.00	
Tx	0.85	0.35	0.15	0.24	0.11	0.22	0.45	0.00	Bx= 70 cm
Ty	1.74	0.94	0.52	0.41	0.34	1.04	0.47	0.00	By= 35 cm
Nz	58.66	19.39	19.39	19.39	19.39	19.39	19.39	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	15.11	13.23	-1.07	1.85	1.13	1.29	-0.15	0.25	
Alt Mx	15.10	13.25	-1.10	1.78	1.11	1.27	-0.15	0.24	
Üst My	0.00	0.38	4.57	3.98	0.04	0.00	0.62	0.54	
Alt My	-0.02	0.35	4.53	3.95	0.03	0.00	0.60	0.53	
Tx	10.07	8.83	-0.73	1.21	0.75	0.85	-0.10	0.16	
Ty	-0.01	0.24	3.03	2.64	0.02	0.00	0.41	0.35	
Nz	-0.21	0.99	17.09	15.22	0.10	0.00	2.19	1.95	
S324	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	1.41	0.60	0.70	-0.04	0.16	0.90	0.27	0.00	
Alt Mx	1.24	0.52	0.03	0.55	0.52	0.65	0.00	0.00	I = 137
Üst My	3.11	1.76	0.26	1.47	2.00	1.21	0.26	0.00	J = 112
Alt My	3.27	1.77	1.27	0.48	2.00	0.48	1.00	0.00	
Tx	0.88	0.37	0.24	0.17	0.23	0.52	0.09	0.00	Bx= 80 cm
Ty	2.12	1.18	0.51	0.65	1.33	0.56	0.42	0.00	By= 40 cm
Nz	69.82	23.31	23.31	23.31	23.31	23.31	23.31	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	17.68	15.47	-1.32	2.13	1.35	1.54	-0.19	0.29	
Alt Mx	18.43	16.16	-1.42	2.13	1.38	1.58	-0.19	0.29	
Üst My	-0.04	0.43	5.66	4.92	0.04	0.00	0.78	0.68	
Alt My	-0.08	0.41	5.81	5.06	0.04	0.00	0.79	0.69	
Tx	12.04	10.54	-0.91	1.42	0.91	1.04	-0.13	0.19	
Ty	-0.04	0.28	3.82	3.33	0.03	0.00	0.53	0.46	
Nz	0.71	2.04	20.53	18.45	0.19	0.08	2.66	2.39	
S224	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	0.95	0.40	-0.10	0.55	0.71	0.08	0.10	0.00	
Alt Mx	0.87	0.37	0.46	-0.05	0.51	-0.14	0.46	0.00	I = 112
Üst My	3.20	1.65	1.32	0.31	1.01	0.33	1.93	0.00	J = 87
Alt My	3.04	1.59	0.36	1.21	0.29	0.97	1.89	0.00	
Tx	0.61	0.26	0.12	0.17	0.41	-0.02	0.19	0.00	Bx= 80 cm
Ty	2.08	1.08	0.56	0.51	0.43	0.43	1.27	0.00	By= 40 cm
Nz	80.95	27.25	27.25	27.25	27.25	27.25	27.25	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	12.14	10.59	-0.93	1.49	0.95	1.10	-0.14	0.21	
Alt Mx	15.37	13.46	-1.24	1.75	1.18	1.36	-0.17	0.24	
Üst My	-0.06	0.29	4.12	3.58	0.03	0.00	0.59	0.51	
Alt My	-0.10	0.31	4.87	4.23	0.03	0.00	0.68	0.59	
Tx	9.17	8.02	-0.72	1.08	0.71	0.82	-0.10	0.15	
Ty	-0.05	0.20	3.00	2.60	0.02	0.00	0.42	0.37	
Nz	1.88	3.32	23.84	21.61	0.30	0.19	3.12	2.83	
S124	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	0.68	0.29	0.46	-0.14	0.03	0.03	0.59	0.00	
Alt Mx	0.59	0.25	-0.09	0.37	-0.17	0.41	0.33	0.00	I = 87
Üst My	3.14	1.66	0.31	1.34	0.44	1.84	1.03	0.00	J = 65
Alt My	3.44	1.81	1.24	0.56	1.30	1.86	0.46	0.00	
Tx	0.42	0.18	0.13	0.08	-0.05	0.15	0.31	0.00	Bx= 80 cm
Ty	2.19	1.16	0.52	0.63	0.58	1.23	0.49	0.00	By= 40 cm
Nz	92.18	31.20	31.20	31.20	31.20	31.20	31.20	0.00	H = 3.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	9.14	7.97	-0.68	1.15	0.73	0.84	-0.10	0.17	
Alt Mx	13.75	12.03	-1.11	1.59	1.07	1.23	-0.16	0.23	
Üst My	-0.06	0.22	3.26	2.84	0.02	0.00	0.48	0.41	
Alt My	-0.12	0.25	4.39	3.81	0.03	-0.01	0.63	0.55	
Tx	7.63	6.67	-0.59	0.91	0.60	0.69	-0.09	0.13	
Ty	-0.06	0.15	2.55	2.22	0.02	0.00	0.37	0.32	
Nz	2.81	4.32	26.53	24.18	0.40	0.27	3.50	3.19	
SZ24	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material: E1
Üst Mx	0.22	0.10	-0.33	0.44	-0.19	0.39	0.02	0.00	
Alt Mx	0.10	0.04	-0.16	0.21	-0.09	0.18	0.01	0.00	I = 65
Üst My	1.59	0.84	1.06	-0.22	1.03	0.79	-0.15	0.00	J =
Alt My	0.80	0.42	0.52	-0.10	0.51	0.39	-0.06	0.00	
Tx	0.08	0.03	-0.12	0.16	-0.07	0.14	0.01	0.00	Bx= 80 cm
Ty	0.60	0.32	0.40	-0.08	0.39	0.30	-0.05	0.00	By= 40 cm
Nz	104.13	35.09	35.09	35.09	35.09	35.09	35.09	0.00	H = 4.00 m
	Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	
Üst Mx	2.19	1.92	-0.10	0.32	0.20	0.23	-0.02	0.05	
Alt Mx	9.02	7.91	-0.82	0.92	0.75	0.86	-0.12	0.14	
Üst My	-0.01	0.06	0.95	0.83	0.01	0.00	0.15	0.13	
Alt My	-0.10	0.10	2.60	2.27	0.01	-0.01	0.39	0.34	
Tx	2.80	2.46	-0.23	0.31	0.24	0.27	-0.04	0.05	
Ty	-0.03	0.04	0.89	0.78	0.00	0.00	0.14	0.12	
Nz	3.36	4.92	28.28	25.84	0.46	0.32	3.76	3.44	

S425	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	13.98	6.02	5.49	1.09	2.29	5.56	5.32	0.00	
Alt Mx	8.35	3.45	-0.21	4.05	4.23	2.69	0.77	0.00	I = 189
Üst My	7.77	3.64	3.01	0.53	0.92	3.32	2.85	0.00	J = 165
Alt My	12.47	5.83	1.87	4.15	3.97	5.24	2.84	0.00	
Tx	7.44	3.16	1.76	1.72	2.17	2.75	2.03	0.00	POLİGON
Ty	6.75	3.16	1.63	1.56	1.63	2.85	1.90	0.00	KOLON
Nz	214.54	55.74	55.74	55.74	55.74	55.74	55.74	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-121.36	-104.77	58.88	33.21	-5.78	-6.49	4.99	3.27	
Alt Mx	244.72	207.76	-105.35	-47.82	14.68	17.22	-11.45	-5.29	
Üst My	56.01	47.46	-37.02	-23.83	2.93	3.17	-1.98	-1.38	
Alt My	-96.62	-69.68	126.43	84.49	-4.70	-6.59	14.18	9.61	
Tx	41.12	34.33	-15.49	-4.87	2.97	3.58	-2.15	-0.67	
Ty	-13.53	-7.41	29.80	20.22	-0.59	-1.14	4.07	2.74	
Nz	41.73	49.03	76.27	64.88	4.15	3.55	9.75	8.30	
S325	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	13.90	6.04	1.18	5.44	5.60	4.71	2.93	0.00	
Alt Mx	7.39	3.00	3.79	-0.44	2.31	0.97	3.43	0.00	I = 165
Üst My	5.94	2.85	0.06	2.63	2.88	2.60	-0.10	0.00	J = 140
Alt My	12.04	5.68	4.06	1.82	5.14	2.31	4.29	0.00	
Tx	7.09	3.01	1.66	1.67	2.64	1.89	2.12	0.00	POLİGON
Ty	5.99	2.84	1.37	1.48	2.68	1.64	1.39	0.00	KOLON
Nz	247.65	64.76	64.76	64.76	64.76	64.76	64.76	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-217.92	-184.17	103.94	51.41	-12.65	-14.92	11.26	5.78	
Alt Mx	339.44	284.21	-154.58	-68.43	21.82	26.15	-18.79	-8.33	
Üst My	95.03	74.67	-85.85	-54.19	5.23	6.54	-8.64	-5.47	
Alt My	-138.53	-99.93	169.67	109.45	-7.44	-10.48	20.69	13.35	
Tx	40.51	33.35	-16.88	-5.67	3.06	3.74	-2.51	-0.85	
Ty	-14.50	-8.42	27.94	18.42	-0.74	-1.31	4.02	2.62	
Nz	48.35	57.12	90.29	76.60	4.88	4.15	11.67	9.90	
S225	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	14.00	6.13	5.49	1.22	4.82	2.47	6.13	0.00	
Alt Mx	6.05	2.39	-0.70	3.38	0.47	3.47	1.42	0.00	I = 140
Üst My	4.56	2.20	2.14	-0.16	2.07	-0.17	2.06	0.00	J = 115
Alt My	11.65	5.55	1.72	4.03	2.15	3.92	5.43	0.00	
Tx	6.68	2.84	1.59	1.53	1.76	1.98	2.52	0.00	POLİGON
Ty	5.40	2.59	1.29	1.29	1.41	1.25	2.50	0.00	KOLON
Nz	279.91	73.42	73.42	73.42	73.42	73.42	73.42	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-315.49	-263.15	153.27	71.63	-19.98	-24.05	18.61	8.77	
Alt Mx	464.46	385.16	-218.10	-94.25	31.75	38.53	-28.73	-12.33	
Üst My	136.97	104.45	-132.28	-81.57	7.93	10.41	-15.46	-9.46	
Alt My	-191.71	-137.19	230.57	145.41	-10.95	-15.62	30.40	19.11	
Tx	49.66	40.67	-21.61	-7.54	3.92	4.83	-3.38	-1.19	
Ty	-18.25	-10.91	32.76	21.28	-1.01	-1.74	4.98	3.22	
Nz	54.27	64.44	103.35	87.48	5.56	4.70	13.49	11.42	
S125	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	14.38	6.33	1.27	5.66	2.66	5.79	5.41	0.00	
Alt Mx	4.09	1.56	3.22	-1.50	2.74	1.27	-0.57	0.00	I = 115
Üst My	2.51	1.28	-0.68	1.63	-0.74	1.64	1.01	0.00	J = 90
Alt My	12.34	5.90	3.89	2.24	4.52	5.19	2.55	0.00	
Tx	6.15	2.63	1.50	1.39	1.80	2.35	1.62	0.00	POLİGON
Ty	4.95	2.39	1.07	1.29	1.26	2.28	1.19	0.00	KOLON
Nz	311.04	81.60	81.60	81.60	81.60	81.60	81.60	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 3.00 m	
Üst Mx	-445.28	-368.31	217.08	96.86	-30.25	-36.82	28.59	12.70	
Alt Mx	613.07	504.17	-302.70	-132.49	43.49	53.33	-42.22	-18.42	
Üst My	190.40	140.90	-199.63	-122.32	11.36	15.57	-25.98	-15.81	
Alt My	-259.44	-186.48	299.01	184.97	-15.74	-22.31	41.22	25.33	
Tx	55.93	45.29	-28.54	-11.88	4.41	5.50	-4.54	-1.91	
Ty	-23.01	-15.19	33.12	20.88	-1.46	-2.25	5.08	3.17	
Nz	59.00	70.33	114.18	96.48	6.11	5.14	15.04	12.70	
S225	GGGGG	QQQQQ	Q Q Q	Q Q Q	QQ QQ	QQ QQ	Q QQ Q	Zemin	Material:EI
Üst Mx	15.22	6.69	5.56	1.81	6.15	5.21	3.38	0.00	
Alt Mx	-5.57	-2.58	-1.44	-1.40	-2.28	-1.72	-1.69	0.00	I = 90
Üst My	-1.13	-0.35	0.94	-1.76	0.25	0.26	-2.15	0.00	J =
Alt My	8.27	3.85	2.54	1.70	3.37	2.91	2.21	0.00	
Tx	2.41	1.03	1.03	0.10	0.97	0.87	0.42	0.00	POLİGON
Ty	1.79	0.88	0.87	-0.01	0.91	0.79	0.01	0.00	KOLON
Nz	345.91	89.17	89.17	89.17	89.17	89.17	89.17	0.00	
Deprem+X	Deprem-X	Deprem+Y	Deprem-Y	Rüzgar+X	Rüzgar-X	Rüzgar+Y	Rüzgar-Y	H = 4.00 m	
Üst Mx	-600.47	-493.06	302.23	134.36	-42.48	-52.18	42.15	18.69	
Alt Mx	892.98	737.63	-424.07	-181.18	67.50	82.25	-62.01	-26.32	
Üst My	258.71	189.15	-277.51	-168.81	16.04	22.29	-38.07	-22.95	
Alt My	-356.50	-246.75	492.20	320.60	-21.47	-31.95	73.09	47.73	
Tx	73.13	61.14	-30.46	-11.71	6.25	7.52	-4.96	-1.91	
Ty	-24.45	-14.40	53.67	37.95	-1.36	-2.41	8.76	6.20	
Nz	62.11	74.26	121.72	102.75	6.49	5.44	16.15	13.63	

GÜÇLÜ KOLONLARIN, KAT KESME GÜVENLİĞİ (t)

Kat	Vsx	Vkx	α_x	Vsy	Vky	α_y
1	541.36	541.36	1.00	544.67	544.67	1.00
2	526.03	526.03	1.00	529.38	529.38	1.00
3	503.79	503.79	1.00	506.92	506.92	1.00
4	474.32	474.32	1.00	477.07	477.07	1.00
5	426.60	438.21	0.97	440.51	440.51	1.00
6	383.26	396.14	0.97	397.98	397.98	1.00
7	320.57	346.65	0.92	347.97	347.97	1.00
8	288.16	288.16	1.00	288.82	288.82	1.00
9	217.54	217.54	1.00	217.17	217.17	1.00
10	127.20	127.20	1.00	125.98	125.98	1.00

$V_s/V_k > .70$ KOŞULU SAĞLANMAKTADIR. GÜÇLÜ KOLONLAR, $(1/\alpha)$ İLE ÇARPILMIŞTIR.

GÜÇLÜ KOLON KONTROLÜ (tm)

Yön	Kolon	Mrc	Kiriş	Mzb	AÇIKLAMA
+X	S102 (70.21)+SZ02 (72.29)	142.5	KZ01 (10.61)+KZ02 (10.21)	24.98	✓
-X	S102 (70.21)+SZ02 (72.29)	142.5	KZ01 (10.21)+KZ02 (10.61)	24.99	✓
+Y	S102 (34.55)+SZ02 (35.29)	69.85	KZ32 (6.9)	8.29	✓
-Y	S102 (34.55)+SZ02 (35.29)	69.85	KZ32 (13.8)	16.56	✓
+X	S103 (70.46)+SZ03 (72.48)	142.94	KZ02 (10.61)+KZ03 (10.21)	24.98	✓
-X	S103 (70.46)+SZ03 (72.48)	142.94	KZ02 (10.21)+KZ03 (10.61)	24.99	✓
+Y	S103 (34.77)+SZ03 (35.47)	70.25	KZ34 (7.59)	9.1	✓
-Y	S103 (34.77)+SZ03 (35.47)	70.25	KZ34 (12.38)	14.85	✓
+X	S104 (70.31)+SZ04 (72.48)	142.79	KZ03 (10.61)+KZ04 (10.21)	24.98	✓
-X	S104 (70.31)+SZ04 (72.48)	142.79	KZ03 (10.21)+KZ04 (10.61)	24.99	✓
+Y	S104 (34.77)+SZ04 (35.47)	70.25	KZ36 (7.59)	9.1	✓
-Y	S104 (34.77)+SZ04 (35.47)	70.25	KZ36 (12.38)	14.85	✓
+X	S105 (70.22)+SZ05 (72.3)	142.53	KZ04 (10.61)+KZ05 (10.21)	24.98	✓
-X	S105 (70.22)+SZ05 (72.3)	142.53	KZ04 (10.21)+KZ05 (10.61)	24.99	✓
+Y	S105 (34.55)+SZ05 (35.3)	69.85	KZ39 (6.9)	8.29	✓
-Y	S105 (34.55)+SZ05 (35.3)	69.85	KZ39 (13.8)	16.56	✓
+X	S107 (34.15)+SZ07 (34.92)	69.07	KZ06 (10.21)	12.27	✓
-X	S107 (34.15)+SZ07 (34.92)	69.07	KZ06 (10.61)	12.75	✓
+Y	S107 (63.74)+SZ07 (65.84)	129.58	KZ25 (6.9)+KZ26 (12.7)	23.53	✓
-Y	S107 (63.74)+SZ07 (65.84)	129.58	KZ25 (12.7)+KZ26 (10.21)	27.49	✓
+X	S108 (36)+SZ08 (36.12)	72.12	KZ06 (10.61)+KZ07 (10.21)	25	✓
-X	S108 (36)+SZ08 (36.12)	72.12	KZ06 (10.21)+KZ07 (10.61)	25	✓
+Y	S108 (75.72)+SZ08 (76.56)	152.28	KZ28 (9.34)+KZ29 (16.33)	30.81	✓
-Y	S108 (75.72)+SZ08 (76.56)	152.28	KZ28 (16.33)+KZ29 (9.34)	30.81	✓
+X	S109 (35.93)+SZ09 (36.11)	72.04	KZ07 (10.87)+KZ08 (6.9)	21.35	✓
-X	S109 (35.93)+SZ09 (36.11)	72.04	KZ07 (10.21)+KZ08 (10.87)	25.32	✓
+Y	S109 (76.36)+SZ09 (76.58)	152.94	KZ31 (9.34)+KZ32 (15.83)	30.2	✓
-Y	S109 (76.36)+SZ09 (76.58)	152.94	KZ31 (15.83)+KZ32 (9.34)	30.2	✓
+X	S111 (35.93)+SZ11 (36.11)	72.04	KZ09 (10.87)+KZ10 (10.21)	25.32	✓
-X	S111 (35.93)+SZ11 (36.11)	72.04	KZ09 (6.9)+KZ10 (10.87)	21.35	✓
+Y	S111 (76.36)+SZ11 (76.58)	152.94	KZ38 (9.34)+KZ39 (15.83)	30.2	✓
-Y	S111 (76.36)+SZ11 (76.58)	152.94	KZ38 (15.83)+KZ39 (9.34)	30.2	✓
+X	S112 (36.01)+SZ12 (36.12)	72.12	KZ10 (10.61)+KZ11 (10.21)	25	✓
-X	S112 (36.01)+SZ12 (36.12)	72.12	KZ10 (10.21)+KZ11 (10.61)	25	✓
+Y	S112 (75.73)+SZ12 (76.57)	152.29	KZ41 (9.34)+KZ42 (16.33)	30.81	✓
-Y	S112 (75.73)+SZ12 (76.57)	152.29	KZ41 (16.33)+KZ42 (9.34)	30.81	✓
+X	S113 (34.15)+SZ13 (34.93)	69.08	KZ11 (10.61)	12.75	✓
-X	S113 (34.15)+SZ13 (34.93)	69.08	KZ11 (10.21)	12.27	✓
+Y	S113 (63.77)+SZ13 (65.88)	129.65	KZ44 (6.9)+KZ45 (12.7)	23.53	✓
-Y	S113 (63.77)+SZ13 (65.88)	129.65	KZ44 (12.7)+KZ45 (10.21)	27.49	✓
+X	S114 (34.11)+SZ14 (34.89)	68.99	KZ12 (10.21)	12.27	✓
-X	S114 (34.11)+SZ14 (34.89)	68.99	KZ12 (10.61)	12.75	✓
+Y	S114 (63.45)+SZ14 (65.53)	128.98	KZ24 (10.21)+KZ25 (12.7)	27.49	✓
-Y	S114 (63.45)+SZ14 (65.53)	128.98	KZ24 (12.7)+KZ25 (6.9)	23.53	✓
+X	S115 (36)+SZ15 (36.12)	72.12	KZ12 (10.61)+KZ13 (10.21)	25	✓
-X	S115 (36)+SZ15 (36.12)	72.12	KZ12 (10.21)+KZ13 (10.61)	25	✓
+Y	S115 (75.68)+SZ15 (76.54)	152.22	KZ27 (9.34)+KZ28 (17.14)	31.78	✓
-Y	S115 (75.68)+SZ15 (76.54)	152.22	KZ27 (17.14)+KZ28 (9.34)	31.78	✓
+X	S116 (35.7)+SZ16 (36.1)	71.8	KZ13 (10.87)+KZ14 (6.9)	21.35	✓
-X	S116 (35.7)+SZ16 (36.1)	71.8	KZ13 (10.21)+KZ14 (10.87)	25.32	✓
+Y	S116 (76.04)+SZ16 (76.58)	152.63	KZ30 (9.34)+KZ31 (16.89)	31.48	✓
-Y	S116 (76.04)+SZ16 (76.58)	152.63	KZ30 (16.89)+KZ31 (9.34)	31.48	✓

+X	S117 (35.7)+SZ17 (36.1)	71.8	KZ16 (10.87)+KZ17 (10.21)	25.32	✓
-X	S117 (35.7)+SZ17 (36.1)	71.8	KZ16 (6.9)+KZ17 (10.87)	21.35	✓
+Y	S117 (76.05)+SZ17 (76.58)	152.63	KZ37 (9.34)+KZ38 (16.89)	31.48	✓
-Y	S117 (76.05)+SZ17 (76.58)	152.63	KZ37 (16.89)+KZ38 (9.34)	31.48	✓
+X	S118 (36)+SZ18 (36.12)	72.12	KZ17 (10.61)+KZ18 (10.21)	25	✓
-X	S118 (36)+SZ18 (36.12)	72.12	KZ17 (10.21)+KZ18 (10.61)	25	✓
+Y	S118 (75.68)+SZ18 (76.54)	152.22	KZ40 (9.34)+KZ41 (17.14)	31.78	✓
-Y	S118 (75.68)+SZ18 (76.54)	152.22	KZ40 (17.14)+KZ41 (9.34)	31.78	✓
+X	S119 (34.11)+SZ19 (34.89)	68.99	KZ18 (10.61)	12.75	✓
-X	S119 (34.11)+SZ19 (34.89)	68.99	KZ18 (10.21)	12.27	✓
+Y	S119 (63.44)+SZ19 (65.53)	128.97	KZ43 (10.21)+KZ44 (12.7)	27.49	✓
-Y	S119 (63.44)+SZ19 (65.53)	128.97	KZ43 (12.7)+KZ44 (6.9)	23.53	✓
+X	S121 (70.33)+SZ21 (72.4)	142.74	KZ19 (10.61)+KZ20 (10.21)	24.99	✓
-X	S121 (70.33)+SZ21 (72.4)	142.74	KZ19 (10.21)+KZ20 (10.61)	24.99	✓
+Y	S121 (34.6)+SZ21 (35.34)	69.94	KZ30 (13.8)	16.56	✓
-Y	S121 (34.6)+SZ21 (35.34)	69.94	KZ30 (9.34)	11.21	✓
+X	S122 (70.71)+SZ22 (72.7)	143.4	KZ20 (10.61)+KZ21 (10.21)	24.99	✓
-X	S122 (70.71)+SZ22 (72.7)	143.4	KZ20 (10.21)+KZ21 (10.61)	24.98	✓
+Y	S122 (34.85)+SZ22 (35.54)	70.38	KZ33 (12.38)	14.85	✓
-Y	S122 (34.85)+SZ22 (35.54)	70.38	KZ33 (7.59)	9.1	✓
+X	S123 (70.7)+SZ23 (72.7)	143.4	KZ21 (10.61)+KZ22 (10.21)	24.99	✓
-X	S123 (70.7)+SZ23 (72.7)	143.4	KZ21 (10.21)+KZ22 (10.61)	24.98	✓
+Y	S123 (34.85)+SZ23 (35.53)	70.38	KZ35 (12.38)	14.85	✓
-Y	S123 (34.85)+SZ23 (35.53)	70.38	KZ35 (7.59)	9.1	✓
+X	S124 (70.33)+SZ24 (72.4)	142.73	KZ22 (10.61)+KZ23 (10.21)	24.99	✓
-X	S124 (70.33)+SZ24 (72.4)	142.73	KZ22 (10.21)+KZ23 (10.61)	24.99	✓
+Y	S124 (34.6)+SZ24 (35.34)	69.93	KZ37 (13.8)	16.56	✓
-Y	S124 (34.6)+SZ24 (35.34)	69.93	KZ37 (9.34)	11.21	✓
+X	S202 (67.89)+S102 (70.21)	138.09	K101 (13.67)+K102 (12.57)	31.5	✓
-X	S202 (67.89)+S102 (70.21)	138.09	K101 (12.57)+K102 (13.67)	31.51	✓
+Y	S202 (33.65)+S102 (34.55)	68.2	K132 (10.21)	12.25	✓
-Y	S202 (33.65)+S102 (34.55)	68.2	K132 (18.98)	22.77	✓
+X	S203 (68.28)+S103 (70.46)	138.75	K102 (13.67)+K103 (10.21)	28.66	✓
-X	S203 (68.28)+S103 (70.46)	138.75	K102 (10.21)+K103 (13.67)	28.67	✓
+Y	S203 (33.91)+S103 (34.77)	68.69	K134 (8.47)	10.16	✓
-Y	S203 (33.91)+S103 (34.77)	68.69	K134 (16.45)	19.75	✓
+X	S204 (68.29)+S104 (70.31)	138.6	K103 (13.67)+K104 (10.21)	28.66	✓
-X	S204 (68.29)+S104 (70.31)	138.6	K103 (10.21)+K104 (13.67)	28.67	✓
+Y	S204 (33.91)+S104 (34.77)	68.69	K136 (8.47)	10.16	✓
-Y	S204 (33.91)+S104 (34.77)	68.69	K136 (16.45)	19.75	✓
+X	S205 (67.9)+S105 (70.22)	138.13	K104 (13.67)+K105 (12.57)	31.5	✓
-X	S205 (67.9)+S105 (70.22)	138.13	K104 (12.57)+K105 (13.67)	31.51	✓
+Y	S205 (33.65)+S105 (34.55)	68.2	K139 (10.21)	12.25	✓
-Y	S205 (33.65)+S105 (34.55)	68.2	K139 (18.98)	22.77	✓
+X	S207 (33.21)+S107 (34.15)	67.36	K106 (10.21)	12.28	✓
-X	S207 (33.21)+S107 (34.15)	67.36	K106 (15.83)	19.02	✓
+Y	S207 (61.7)+S107 (63.74)	125.44	K125 (10.21)+K126 (16.77)	32.37	✓
-Y	S207 (61.7)+S107 (63.74)	125.44	K125 (16.77)+K126 (13.41)	36.21	✓
+X	S208 (35.42)+S108 (36)	71.42	K106 (11.86)+K107 (10.21)	26.51	✓
-X	S208 (35.42)+S108 (36)	71.42	K106 (10.21)+K107 (11.86)	26.51	✓
+Y	S208 (74.21)+S108 (75.72)	149.93	K128 (11.2)+K129 (20.24)	37.73	✓
-Y	S208 (74.21)+S108 (75.72)	149.93	K128 (20.24)+K129 (11.2)	37.73	✓
+X	S209 (35.11)+S109 (35.93)	71.04	K107 (10.87)+K108 (9.34)	24.28	✓
-X	S209 (35.11)+S109 (35.93)	71.04	K107 (12.57)+K108 (10.87)	28.16	✓
+Y	S209 (75.14)+S109 (76.36)	151.5	K131 (10.21)+K132 (19.1)	35.17	✓
-Y	S209 (75.14)+S109 (76.36)	151.5	K131 (19.1)+K132 (10.21)	35.17	✓
+X	S211 (35.11)+S111 (35.93)	71.05	K109 (10.87)+K110 (12.57)	28.16	✓
-X	S211 (35.11)+S111 (35.93)	71.05	K109 (9.34)+K110 (10.87)	24.28	✓
+Y	S211 (75.15)+S111 (76.36)	151.51	K138 (10.21)+K139 (19.1)	35.17	✓
-Y	S211 (75.15)+S111 (76.36)	151.51	K138 (19.1)+K139 (10.21)	35.17	✓
+X	S212 (35.42)+S112 (36.01)	71.43	K110 (11.86)+K111 (10.21)	26.51	✓
-X	S212 (35.42)+S112 (36.01)	71.43	K110 (10.21)+K111 (11.86)	26.51	✓
+Y	S212 (74.23)+S112 (75.73)	149.96	K141 (11.2)+K142 (20.24)	37.73	✓
-Y	S212 (74.23)+S112 (75.73)	149.96	K141 (20.24)+K142 (11.2)	37.73	✓
+X	S213 (33.22)+S113 (34.15)	67.37	K111 (15.83)	19.02	✓
-X	S213 (33.22)+S113 (34.15)	67.37	K111 (10.21)	12.28	✓
+Y	S213 (61.73)+S113 (63.77)	125.5	K144 (10.21)+K145 (16.77)	32.37	✓
-Y	S213 (61.73)+S113 (63.77)	125.5	K144 (16.77)+K145 (13.41)	36.21	✓

+X	S214 (33.16)+S114 (34.11)	67.27	K112 (10.21)	12.28	✓
-X	S214 (33.16)+S114 (34.11)	67.27	K112 (15.95)	19.17	✓
+Y	S214 (61.37)+S114 (63.45)	124.82	K124 (14.37)+K125 (16.77)	37.37	✓
-Y	S214 (61.37)+S114 (63.45)	124.82	K124 (16.77)+K125 (11.2)	33.56	✓
+X	S215 (35.41)+S115 (36)	71.41	K112 (11.86)+K113 (10.21)	26.51	✓
-X	S215 (35.41)+S115 (36)	71.41	K112 (10.21)+K113 (11.86)	26.51	✓
+Y	S215 (74.14)+S115 (75.68)	149.81	K127 (11.2)+K128 (21.9)	39.72	✓
-Y	S215 (74.14)+S115 (75.68)	149.81	K127 (21.9)+K128 (11.2)	39.72	✓
+X	S216 (34.79)+S116 (35.7)	70.49	K113 (10.87)+K114 (11.2)	26.51	✓
-X	S216 (34.79)+S116 (35.7)	70.49	K113 (14.37)+K114 (10.87)	30.32	✓
+Y	S216 (74.67)+S116 (76.04)	150.72	K130 (11.2)+K131 (20.24)	37.73	✓
-Y	S216 (74.67)+S116 (76.04)	150.72	K130 (20.24)+K131 (11.2)	37.73	✓
+X	S217 (34.79)+S117 (35.7)	70.49	K116 (10.87)+K117 (14.37)	30.32	✓
-X	S217 (34.79)+S117 (35.7)	70.49	K116 (11.2)+K117 (10.87)	26.51	✓
+Y	S217 (74.68)+S117 (76.05)	150.73	K137 (11.2)+K138 (20.24)	37.73	✓
-Y	S217 (74.68)+S117 (76.05)	150.73	K137 (20.24)+K138 (11.2)	37.73	✓
+X	S218 (35.41)+S118 (36)	71.41	K117 (11.86)+K118 (10.21)	26.51	✓
-X	S218 (35.41)+S118 (36)	71.41	K117 (10.21)+K118 (11.86)	26.51	✓
+Y	S218 (74.14)+S118 (75.68)	149.82	K140 (11.2)+K141 (21.9)	39.72	✓
-Y	S218 (74.14)+S118 (75.68)	149.82	K140 (21.9)+K141 (11.2)	39.72	✓
+X	S219 (33.16)+S119 (34.11)	67.27	K118 (15.95)	19.17	✓
-X	S219 (33.16)+S119 (34.11)	67.27	K118 (10.21)	12.28	✓
+Y	S219 (61.37)+S119 (63.44)	124.81	K143 (14.37)+K144 (16.77)	37.37	✓
-Y	S219 (61.37)+S119 (63.44)	124.81	K143 (16.77)+K144 (11.2)	33.56	✓
+X	S221 (68.01)+S121 (70.33)	138.34	K119 (13.67)+K120 (12.57)	31.51	✓
-X	S221 (68.01)+S121 (70.33)	138.34	K119 (12.57)+K120 (13.67)	31.5	✓
+Y	S221 (33.7)+S121 (34.6)	68.3	K130 (18.98)	22.77	✓
-Y	S221 (33.7)+S121 (34.6)	68.3	K130 (10.21)	12.25	✓
+X	S222 (68.54)+S122 (70.71)	139.24	K120 (13.67)+K121 (10.21)	28.67	✓
-X	S222 (68.54)+S122 (70.71)	139.24	K120 (10.21)+K121 (13.67)	28.66	✓
+Y	S222 (34)+S122 (34.85)	68.84	K133 (16.45)	19.75	✓
-Y	S222 (34)+S122 (34.85)	68.84	K133 (8.47)	10.16	✓
+X	S223 (68.54)+S123 (70.7)	139.24	K121 (13.67)+K122 (10.21)	28.67	✓
-X	S223 (68.54)+S123 (70.7)	139.24	K121 (10.21)+K122 (13.67)	28.66	✓
+Y	S223 (34)+S123 (34.85)	68.84	K135 (16.45)	19.75	✓
-Y	S223 (34)+S123 (34.85)	68.84	K135 (8.47)	10.16	✓
+X	S224 (68.01)+S124 (70.33)	138.34	K122 (13.67)+K123 (12.57)	31.51	✓
-X	S224 (68.01)+S124 (70.33)	138.34	K122 (12.57)+K123 (13.67)	31.5	✓
+Y	S224 (33.7)+S124 (34.6)	68.29	K137 (18.98)	22.77	✓
-Y	S224 (33.7)+S124 (34.6)	68.29	K137 (10.21)	12.25	✓
+X	S302 (65.28)+S202 (67.89)	133.17	K201 (15.83)+K202 (14.37)	36.25	✓
-X	S302 (65.28)+S202 (67.89)	133.17	K201 (14.37)+K202 (15.83)	36.26	✓
+Y	S302 (32.58)+S202 (33.65)	66.22	K232 (11.2)	13.44	✓
-Y	S302 (32.58)+S202 (33.65)	66.22	K232 (21.02)	25.22	✓
+X	S303 (65.92)+S203 (68.28)	134.2	K202 (15.83)+K203 (12.57)	34.09	✓
-X	S303 (65.92)+S203 (68.28)	134.2	K202 (12.57)+K203 (15.83)	34.1	✓
+Y	S303 (32.9)+S203 (33.91)	66.81	K234 (9.47)	11.37	✓
-Y	S303 (32.9)+S203 (33.91)	66.81	K234 (18.19)	21.82	✓
+X	S304 (65.92)+S204 (68.29)	134.21	K203 (15.83)+K204 (12.57)	34.09	✓
-X	S304 (65.92)+S204 (68.29)	134.21	K203 (12.57)+K204 (15.83)	34.1	✓
+Y	S304 (32.9)+S204 (33.91)	66.81	K236 (9.47)	11.37	✓
-Y	S304 (32.9)+S204 (33.91)	66.81	K236 (18.19)	21.82	✓
+X	S305 (65.3)+S205 (67.9)	133.2	K204 (15.83)+K205 (14.37)	36.25	✓
-X	S305 (65.3)+S205 (67.9)	133.2	K204 (14.37)+K205 (15.83)	36.26	✓
+Y	S305 (32.58)+S205 (33.65)	66.23	K239 (11.2)	13.44	✓
-Y	S305 (32.58)+S205 (33.65)	66.23	K239 (21.02)	25.22	✓
+X	S307 (31.98)+S207 (33.21)	65.19	K206 (10.21)	12.28	✓
-X	S307 (31.98)+S207 (33.21)	65.19	K206 (18.19)	21.86	✓
+Y	S307 (59.49)+S207 (61.7)	121.19	K225 (13.54)+K226 (18.86)	38.88	Nd < 0,10.Ac.fak koşulu
-Y	S307 (59.49)+S207 (61.7)	121.19	K225 (18.86)+K226 (16.64)	42.6	Nd < 0,10.Ac.fak koşulu
+X	S308 (34.42)+S208 (35.42)	69.84	K206 (13.67)+K207 (10.21)	28.69	✓
-X	S308 (34.42)+S208 (35.42)	69.84	K206 (10.21)+K207 (13.67)	28.69	✓
+Y	S308 (72.06)+S208 (74.21)	146.27	K228 (12.31)+K229 (22.55)	41.83	✓
-Y	S308 (72.06)+S208 (74.21)	146.27	K228 (22.55)+K229 (12.31)	41.83	✓
+X	S309 (33.99)+S209 (35.11)	69.1	K207 (12.7)+K208 (13.54)	31.52	✓
-X	S309 (33.99)+S209 (35.11)	69.1	K207 (16.64)+K208 (12.7)	35.24	✓
+Y	S309 (73.35)+S209 (75.14)	148.49	K231 (11.2)+K232 (21.9)	39.72	✓
-Y	S309 (73.35)+S209 (75.14)	148.49	K231 (21.9)+K232 (11.2)	39.72	✓

+X	S311 (34)+S211 (35.11)	69.11	K209 (12.7)+K210 (16.64)	35.24	✓
-X	S311 (34)+S211 (35.11)	69.11	K209 (13.54)+K210 (12.7)	31.52	✓
+Y	S311 (73.36)+S211 (75.15)	148.51	K238 (11.2)+K239 (21.9)	39.72	✓
-Y	S311 (73.36)+S211 (75.15)	148.51	K238 (21.9)+K239 (11.2)	39.72	✓
+X	S312 (34.43)+S212 (35.42)	69.86	K210 (13.67)+K211 (10.21)	28.69	✓
-X	S312 (34.43)+S212 (35.42)	69.86	K210 (10.21)+K211 (13.67)	28.69	✓
+Y	S312 (72.09)+S212 (74.23)	146.32	K241 (12.31)+K242 (22.55)	41.83	✓
-Y	S312 (72.09)+S212 (74.23)	146.32	K241 (22.55)+K242 (12.31)	41.83	✓
+X	S313 (31.98)+S213 (33.22)	65.2	K211 (18.19)	21.85	✓
-X	S313 (31.98)+S213 (33.22)	65.2	K211 (10.21)	12.28	✓
+Y	S313 (59.52)+S213 (61.73)	121.25	K244 (13.54)+K245 (18.86)	38.88	Nd < 0,10.Ac.fak koşulu
-Y	S313 (59.52)+S213 (61.73)	121.25	K244 (18.86)+K245 (16.64)	42.6	Nd < 0,10.Ac.fak koşulu
+X	S314 (31.91)+S214 (33.16)	65.07	K212 (10.21)	12.29	✓
-X	S314 (31.91)+S214 (33.16)	65.07	K212 (20.36)	24.47	✓
+Y	S314 (59.19)+S214 (61.37)	120.56	K224 (18.37)+K225 (21.14)	47.41	Nd < 0,10.Ac.fak koşulu
-Y	S314 (59.19)+S214 (61.37)	120.56	K224 (21.14)+K225 (15.32)	43.75	Nd < 0,10.Ac.fak koşulu
+X	S315 (34.41)+S215 (35.41)	69.82	K212 (14.18)+K213 (12.57)	32.14	✓
-X	S315 (34.41)+S215 (35.41)	69.82	K212 (12.57)+K213 (14.18)	32.14	✓
+Y	S315 (71.97)+S215 (74.14)	146.1	K227 (12.31)+K228 (24.16)	43.77	✓
-Y	S315 (71.97)+S215 (74.14)	146.1	K227 (24.16)+K228 (12.31)	43.77	✓
+X	S316 (33.65)+S216 (34.79)	68.44	K213 (13.22)+K214 (15.32)	34.29	✓
-X	S316 (33.65)+S216 (34.79)	68.44	K213 (18.37)+K214 (13.22)	37.94	✓
+Y	S316 (72.68)+S216 (74.67)	147.36	K230 (12.31)+K231 (23.87)	43.42	✓
-Y	S316 (72.68)+S216 (74.67)	147.36	K230 (23.87)+K231 (12.31)	43.42	✓
+X	S317 (33.66)+S217 (34.79)	68.45	K216 (13.22)+K217 (18.37)	37.94	✓
-X	S317 (33.66)+S217 (34.79)	68.45	K216 (15.32)+K217 (13.22)	34.29	✓
+Y	S317 (72.69)+S217 (74.68)	147.37	K237 (12.31)+K238 (23.87)	43.42	✓
-Y	S317 (72.69)+S217 (74.68)	147.37	K237 (23.87)+K238 (12.31)	43.42	✓
+X	S318 (34.42)+S218 (35.41)	69.83	K217 (14.18)+K218 (12.57)	32.14	✓
-X	S318 (34.42)+S218 (35.41)	69.83	K217 (12.57)+K218 (14.18)	32.14	✓
+Y	S318 (71.98)+S218 (74.14)	146.12	K240 (12.31)+K241 (24.16)	43.77	✓
-Y	S318 (71.98)+S218 (74.14)	146.12	K240 (24.16)+K241 (12.31)	43.77	✓
+X	S319 (31.91)+S219 (33.16)	65.07	K218 (20.36)	24.47	✓
-X	S319 (31.91)+S219 (33.16)	65.07	K218 (10.21)	12.28	✓
+Y	S319 (59.18)+S219 (61.37)	120.55	K243 (18.37)+K244 (21.14)	47.41	Nd < 0,10.Ac.fak koşulu
-Y	S319 (59.18)+S219 (61.37)	120.55	K243 (21.14)+K244 (15.32)	43.75	Nd < 0,10.Ac.fak koşulu
+X	S321 (65.4)+S221 (68.01)	133.41	K219 (15.83)+K220 (14.37)	36.26	✓
-X	S321 (65.4)+S221 (68.01)	133.41	K219 (14.37)+K220 (15.83)	36.25	✓
+Y	S321 (32.63)+S221 (33.7)	66.33	K230 (21.02)	25.22	✓
-Y	S321 (32.63)+S221 (33.7)	66.33	K230 (11.2)	13.44	✓
+X	S322 (66.15)+S222 (68.54)	134.68	K220 (15.83)+K221 (13.41)	35.11	✓
-X	S322 (66.15)+S222 (68.54)	134.68	K220 (13.41)+K221 (15.83)	35.1	✓
+Y	S322 (32.98)+S222 (34)	66.98	K233 (18.19)	21.82	✓
-Y	S322 (32.98)+S222 (34)	66.98	K233 (9.47)	11.37	✓
+X	S323 (66.14)+S223 (68.54)	134.68	K221 (15.83)+K222 (13.41)	35.11	✓
-X	S323 (66.14)+S223 (68.54)	134.68	K221 (13.41)+K222 (15.83)	35.1	✓
+Y	S323 (32.98)+S223 (34)	66.98	K235 (18.19)	21.82	✓
-Y	S323 (32.98)+S223 (34)	66.98	K235 (9.47)	11.37	✓
+X	S324 (65.39)+S224 (68.01)	133.4	K222 (15.83)+K223 (14.37)	36.26	✓
-X	S324 (65.39)+S224 (68.01)	133.4	K222 (14.37)+K223 (15.83)	36.25	✓
+Y	S324 (32.63)+S224 (33.7)	66.33	K237 (21.02)	25.22	✓
-Y	S324 (32.63)+S224 (33.7)	66.33	K237 (11.2)	13.44	✓
+X	S402 (44.03)+S302 (65.28)	109.31	K301 (18.19)+K302 (16.64)	41.8	✓
-X	S402 (44.03)+S302 (65.28)	109.31	K301 (16.64)+K302 (18.19)	41.81	✓
+Y	S402 (21.82)+S302 (32.58)	54.4	K332 (12.31)	14.77	✓
-Y	S402 (21.82)+S302 (32.58)	54.4	K332 (23.24)	27.89	✓
+X	S403 (44.66)+S303 (65.92)	110.58	K302 (18.19)+K303 (13.41)	37.93	✓
-X	S403 (44.66)+S303 (65.92)	110.58	K302 (13.41)+K303 (18.19)	37.93	✓
+Y	S403 (22.09)+S303 (32.9)	54.99	K334 (9.47)	11.37	✓
-Y	S403 (22.09)+S303 (32.9)	54.99	K334 (18.67)	22.41	✓
+X	S404 (44.66)+S304 (65.92)	110.58	K303 (18.19)+K304 (13.41)	37.93	✓
-X	S404 (44.66)+S304 (65.92)	110.58	K303 (13.41)+K304 (18.19)	37.93	✓
+Y	S404 (22.09)+S304 (32.9)	54.99	K336 (9.47)	11.37	✓
-Y	S404 (22.09)+S304 (32.9)	54.99	K336 (18.67)	22.41	✓
+X	S405 (44.04)+S305 (65.3)	109.34	K304 (18.19)+K305 (16.64)	41.8	✓
-X	S405 (44.04)+S305 (65.3)	109.34	K304 (16.64)+K305 (18.19)	41.81	✓
+Y	S405 (21.83)+S305 (32.58)	54.41	K339 (12.31)	14.77	✓
-Y	S405 (21.83)+S305 (32.58)	54.41	K339 (23.24)	27.89	✓

+X	S407 (21.48)+S307 (31.98)	53.46	K306 (10.21)	12.28	✓
-X	S407 (21.48)+S307 (31.98)	53.46	K306 (18.06)	21.71	✓
+Y	S407 (40.19)+S307 (59.49)	99.69	K325 (15.32)+K326 (21.02)	43.61	Nd < 0,10.Ac.fok koşulu
-Y	S407 (40.19)+S307 (59.49)	99.69	K325 (21.02)+K326 (18.37)	47.26	Nd < 0,10.Ac.fok koşulu
+X	S408 (23.07)+S308 (34.42)	57.49	K306 (14.18)+K307 (10.21)	29.3	✓
-X	S408 (23.07)+S308 (34.42)	57.49	K306 (10.21)+K307 (14.18)	29.3	✓
+Y	S408 (48.34)+S308 (72.06)	120.4	K328 (13.54)+K329 (24.16)	45.24	✓
-Y	S408 (48.34)+S308 (72.06)	120.4	K328 (24.16)+K329 (13.54)	45.24	✓
+X	S409 (22.77)+S309 (33.99)	56.76	K307 (13.22)+K308 (15.32)	34.28	✓
-X	S409 (22.77)+S309 (33.99)	56.76	K307 (18.37)+K308 (13.22)	37.94	✓
+Y	S409 (49.12)+S309 (73.35)	122.48	K331 (12.31)+K332 (21.9)	41.06	✓
-Y	S409 (49.12)+S309 (73.35)	122.48	K331 (21.9)+K332 (12.31)	41.06	✓
+X	S411 (22.77)+S311 (34)	56.77	K309 (13.22)+K310 (18.37)	37.94	✓
-X	S411 (22.77)+S311 (34)	56.77	K309 (15.32)+K310 (13.22)	34.28	✓
+Y	S411 (49.13)+S311 (73.36)	122.49	K338 (12.31)+K339 (21.9)	41.06	✓
-Y	S411 (49.13)+S311 (73.36)	122.49	K338 (21.9)+K339 (12.31)	41.06	✓
+X	S412 (23.07)+S312 (34.43)	57.51	K310 (14.18)+K311 (10.21)	29.3	✓
-X	S412 (23.07)+S312 (34.43)	57.51	K310 (10.21)+K311 (14.18)	29.3	✓
+Y	S412 (48.35)+S312 (72.09)	120.44	K341 (13.54)+K342 (24.16)	45.24	✓
-Y	S412 (48.35)+S312 (72.09)	120.44	K341 (24.16)+K342 (13.54)	45.24	✓
+X	S413 (21.48)+S313 (31.98)	53.47	K311 (18.06)	21.71	✓
-X	S413 (21.48)+S313 (31.98)	53.47	K311 (10.21)	12.29	✓
+Y	S413 (40.21)+S313 (59.52)	99.73	K344 (15.32)+K345 (21.02)	43.61	Nd < 0,10.Ac.fok koşulu
-Y	S413 (40.21)+S313 (59.52)	99.73	K344 (21.02)+K345 (18.37)	47.26	Nd < 0,10.Ac.fok koşulu
+X	S414 (21.44)+S314 (31.91)	53.35	K312 (10.21)	12.29	✓
-X	S414 (21.44)+S314 (31.91)	53.35	K312 (18.06)	21.71	✓
+Y	S414 (39.98)+S314 (59.19)	99.17	K324 (20.42)+K325 (21.02)	49.73	Nd < 0,10.Ac.fok koşulu
-Y	S414 (39.98)+S314 (59.19)	99.17	K324 (21.02)+K325 (17.45)	46.16	Nd < 0,10.Ac.fok koşulu
+X	S415 (23.06)+S315 (34.41)	57.48	K312 (12.96)+K313 (12.57)	30.68	✓
-X	S415 (23.06)+S315 (34.41)	57.48	K312 (12.57)+K313 (12.96)	30.68	✓
+Y	S415 (48.28)+S315 (71.97)	120.25	K327 (15.32)+K328 (24.16)	47.38	✓
-Y	S415 (48.28)+S315 (71.97)	120.25	K327 (24.16)+K328 (15.32)	47.38	✓
+X	S416 (22.53)+S316 (33.65)	56.18	K313 (13.22)+K314 (17.45)	36.83	✓
-X	S416 (22.53)+S316 (33.65)	56.18	K313 (20.42)+K314 (13.22)	40.4	✓
+Y	S416 (48.67)+S316 (72.68)	121.35	K330 (12.31)+K331 (23.87)	43.42	✓
-Y	S416 (48.67)+S316 (72.68)	121.35	K330 (23.87)+K331 (12.31)	43.42	✓
+X	S417 (22.53)+S317 (33.66)	56.19	K316 (13.22)+K317 (20.42)	40.4	✓
-X	S417 (22.53)+S317 (33.66)	56.19	K316 (17.45)+K317 (13.22)	36.83	✓
+Y	S417 (48.68)+S317 (72.69)	121.37	K337 (12.31)+K338 (23.87)	43.42	✓
-Y	S417 (48.68)+S317 (72.69)	121.37	K337 (23.87)+K338 (12.31)	43.42	✓
+X	S418 (23.07)+S318 (34.42)	57.48	K317 (12.96)+K318 (12.57)	30.68	✓
-X	S418 (23.07)+S318 (34.42)	57.48	K317 (12.57)+K318 (12.96)	30.68	✓
+Y	S418 (48.29)+S318 (71.98)	120.26	K340 (15.32)+K341 (24.16)	47.38	✓
-Y	S418 (48.29)+S318 (71.98)	120.26	K340 (24.16)+K341 (15.32)	47.38	✓
+X	S419 (21.44)+S319 (31.91)	53.35	K318 (18.06)	21.72	✓
-X	S419 (21.44)+S319 (31.91)	53.35	K318 (10.21)	12.29	✓
+Y	S419 (39.98)+S319 (59.18)	99.16	K343 (20.42)+K344 (21.02)	49.73	Nd < 0,10.Ac.fok koşulu
-Y	S419 (39.98)+S319 (59.18)	99.16	K343 (21.02)+K344 (17.45)	46.16	Nd < 0,10.Ac.fok koşulu
+X	S421 (44.11)+S321 (65.4)	109.51	K319 (18.19)+K320 (16.64)	41.81	✓
-X	S421 (44.11)+S321 (65.4)	109.51	K319 (16.64)+K320 (18.19)	41.8	✓
+Y	S421 (21.85)+S321 (32.63)	54.49	K330 (23.24)	27.89	✓
-Y	S421 (21.85)+S321 (32.63)	54.49	K330 (12.31)	14.77	✓
+X	S422 (44.85)+S322 (66.15)	110.99	K320 (18.19)+K321 (13.41)	37.93	✓
-X	S422 (44.85)+S322 (66.15)	110.99	K320 (13.41)+K321 (18.19)	37.93	✓
+Y	S422 (22.16)+S322 (32.98)	55.14	K333 (18.67)	22.41	✓
-Y	S422 (22.16)+S322 (32.98)	55.14	K333 (10.61)	12.73	✓
+X	S423 (44.84)+S323 (66.14)	110.99	K321 (18.19)+K322 (13.41)	37.93	✓
-X	S423 (44.84)+S323 (66.14)	110.99	K321 (13.41)+K322 (18.19)	37.93	✓
+Y	S423 (22.16)+S323 (32.98)	55.14	K335 (18.67)	22.41	✓
-Y	S423 (22.16)+S323 (32.98)	55.14	K335 (10.61)	12.73	✓
+X	S424 (44.11)+S324 (65.39)	109.5	K322 (18.19)+K323 (16.64)	41.81	✓
-X	S424 (44.11)+S324 (65.39)	109.5	K322 (16.64)+K323 (18.19)	41.8	✓
+Y	S424 (21.85)+S324 (32.63)	54.49	K337 (23.24)	27.89	✓
-Y	S424 (21.85)+S324 (32.63)	54.49	K337 (12.31)	14.77	✓

KUŞATILMIS KOLON KONTROLU

TDY 1997 göre yapılmıştır.

$$V_e = 1.25 f_{yk} (A_{s1} + A_{s2}) - V_{kol} < V_{max} = (0.60 + 0.45) b_j h_c f_{cd}$$

Kolon	Bz/By	bw1	bw2	bj	Asu1	Asa1	Asu2	Asa2	Ast	Vkol	Ve	Vmax	AÇIKLAMA	
S902	x	60	17.5	12.5	25.0	4.8	6.6	4.8	6.6	11.4	0.0	60.0 <	112.5	Kuşatılmamış
S902	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S802	x	60	17.5	12.5	25.0	6.5	8.6	6.5	8.6	15.2	7.1	72.5 <	112.5	Kuşatılmamış
S802	y	30	30.0	30.0	55.0	8.5	0.0	8.5	0.0	8.5	2.0	42.9 <	123.8	✓
S702	x	70	22.5	12.5	25.0	7.4	9.7	7.4	9.7	17.1	7.1	82.8 <	131.3	Kuşatılmamış
S702	y	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.0	48.8 <	157.5	✓
S602	x	70	22.5	12.5	25.0	8.5	9.7	8.5	9.7	18.2	9.7	85.8 <	131.3	Kuşatılmamış
S602	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S502	x	70	22.5	12.5	25.0	8.5	9.7	8.5	9.7	18.2	9.7	85.8 <	131.3	Kuşatılmamış
S502	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S402	x	70	22.5	12.5	25.0	8.5	8.6	8.5	8.6	17.2	8.7	81.5 <	131.3	Kuşatılmamış
S402	y	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.6	48.2 <	157.5	✓
S302	x	80	27.5	12.5	25.0	8.5	7.8	8.5	7.8	16.3	8.7	76.9 <	150.0	Kuşatılmamış
S302	y	40	40.0	40.0	65.0	11.2	0.0	11.2	0.0	11.2	2.6	56.2 <	195.0	✓
S202	x	80	27.5	12.5	25.0	7.4	6.6	7.4	6.6	14.0	7.9	65.5 <	150.0	Kuşatılmamış
S202	y	40	40.0	40.0	65.0	10.0	0.0	10.0	0.0	10.0	2.6	50.0 <	195.0	✓
S102	x	80	27.5	12.5	25.0	6.3	5.8	6.3	5.8	12.0	6.6	56.6 <	150.0	Kuşatılmamış
S102	y	40	40.0	40.0	65.0	9.0	0.0	9.0	0.0	9.0	2.2	44.8 <	195.0	✓
S202	x	80	27.5	12.5	25.0	4.8	4.6	4.8	4.6	9.4	2.4	47.1 <	150.0	Kuşatılmamış
S202	y	40	40.0	40.0	65.0	6.3	0.0	6.3	0.0	6.3	0.8	32.5 <	195.0	✓
S903	x	60	17.5	12.5	25.0	4.8	4.6	4.8	4.6	9.4	0.0	49.5 <	112.5	Kuşatılmamış
S903	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S803	x	60	17.5	12.5	25.0	6.5	5.8	6.5	5.8	12.3	6.7	57.8 <	112.5	Kuşatılmamış
S803	y	30	30.0	30.0	55.0	6.5	0.0	6.5	0.0	6.5	2.5	31.8 <	123.8	✓
S703	x	70	22.5	12.5	25.0	7.4	6.2	7.4	6.2	13.6	6.7	64.6 <	131.3	Kuşatılmamış
S703	y	35	35.0	35.0	60.0	6.9	0.0	6.9	0.0	6.9	2.5	33.9 <	157.5	✓
S603	x	70	22.5	12.5	25.0	8.5	6.6	8.5	6.6	15.1	9.4	69.9 <	131.3	Kuşatılmamış
S603	y	35	35.0	35.0	60.0	8.1	0.0	8.1	0.0	8.1	3.5	38.9 <	157.5	✓
S503	x	70	22.5	12.5	25.0	8.5	6.6	8.5	6.6	15.1	9.4	69.9 <	131.3	Kuşatılmamış
S503	y	35	35.0	35.0	60.0	8.1	0.0	8.1	0.0	8.1	3.5	38.9 <	157.5	✓
S403	x	70	22.5	12.5	25.0	8.5	6.2	8.5	6.2	14.7	8.4	68.8 <	131.3	Kuşatılmamış
S403	y	35	35.0	35.0	60.0	8.1	0.0	8.1	0.0	8.1	3.1	39.3 <	157.5	✓
S303	x	80	27.5	12.5	25.0	8.5	6.2	8.5	6.2	14.7	8.4	68.8 <	150.0	Kuşatılmamış
S303	y	40	40.0	40.0	65.0	8.8	0.0	8.8	0.0	8.8	3.1	43.1 <	195.0	✓
S203	x	80	27.5	12.5	25.0	7.4	5.8	7.4	5.8	13.1	7.9	60.9 <	150.0	Kuşatılmamış
S203	y	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	42.0 <	195.0	✓
S103	x	80	27.5	12.5	25.0	6.3	4.6	6.3	4.6	10.9	6.5	50.7 <	150.0	Kuşatılmamış
S103	y	40	40.0	40.0	65.0	7.7	0.0	7.7	0.0	7.7	2.4	37.9 <	195.0	✓
S203	x	80	27.5	12.5	25.0	4.8	4.6	4.8	4.6	9.4	2.4	47.1 <	150.0	Kuşatılmamış
S203	y	40	40.0	40.0	65.0	5.7	0.0	5.7	0.0	5.7	0.8	28.9 <	195.0	✓
S904	x	60	17.5	12.5	25.0	4.8	4.6	4.8	4.6	9.4	0.0	49.5 <	112.5	Kuşatılmamış
S904	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S804	x	60	17.5	12.5	25.0	6.5	5.8	6.5	5.8	12.3	6.7	57.8 <	112.5	Kuşatılmamış
S804	y	30	30.0	30.0	55.0	6.5	0.0	6.5	0.0	6.5	2.5	31.8 <	123.8	✓
S704	x	70	22.5	12.5	25.0	7.4	6.2	7.4	6.2	13.6	6.7	64.6 <	131.3	Kuşatılmamış
S704	y	35	35.0	35.0	60.0	6.9	0.0	6.9	0.0	6.9	2.5	33.9 <	157.5	✓
S604	x	70	22.5	12.5	25.0	8.5	6.6	8.5	6.6	15.1	9.4	69.9 <	131.3	Kuşatılmamış
S604	y	35	35.0	35.0	60.0	8.1	0.0	8.1	0.0	8.1	3.5	38.9 <	157.5	✓
S504	x	70	22.5	12.5	25.0	8.5	6.6	8.5	6.6	15.1	9.4	69.9 <	131.3	Kuşatılmamış
S504	y	35	35.0	35.0	60.0	8.1	0.0	8.1	0.0	8.1	3.5	38.9 <	157.5	✓
S404	x	70	22.5	12.5	25.0	8.5	6.2	8.5	6.2	14.7	8.4	68.8 <	131.3	Kuşatılmamış
S404	y	35	35.0	35.0	60.0	8.1	0.0	8.1	0.0	8.1	3.1	39.3 <	157.5	✓
S304	x	80	27.5	12.5	25.0	8.5	6.2	8.5	6.2	14.7	8.4	68.8 <	150.0	Kuşatılmamış
S304	y	40	40.0	40.0	65.0	8.8	0.0	8.8	0.0	8.8	3.1	43.1 <	195.0	✓

S204	x	80	27.5	12.5	25.0	7.4	5.8	7.4	5.8	13.1	7.9	60.9 <	150.0	Kuşatılmamış
S204	y	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	42.0 <	195.0	✓
S104	x	80	27.5	12.5	25.0	6.3	4.6	6.3	4.6	10.9	6.5	50.7 <	150.0	Kuşatılmamış
S104	y	40	40.0	40.0	65.0	7.7	0.0	7.7	0.0	7.7	2.4	37.9 <	195.0	✓
S204	x	80	27.5	12.5	25.0	4.8	4.6	4.8	4.6	9.4	2.4	47.1 <	150.0	Kuşatılmamış
S204	y	40	40.0	40.0	65.0	5.7	0.0	5.7	0.0	5.7	0.8	28.9 <	195.0	✓
S905	x	60	17.5	12.5	25.0	4.8	6.6	4.8	6.6	11.4	0.0	60.0 <	112.5	Kuşatılmamış
S905	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S805	x	60	17.5	12.5	25.0	6.5	8.6	6.5	8.6	15.2	7.1	72.5 <	112.5	Kuşatılmamış
S805	y	30	30.0	30.0	55.0	8.5	0.0	8.5	0.0	8.5	2.0	42.9 <	123.8	✓
S705	x	70	22.5	12.5	25.0	7.4	9.7	7.4	9.7	17.1	7.1	82.8 <	131.3	Kuşatılmamış
S705	y	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.0	48.8 <	157.5	✓
S605	x	70	22.5	12.5	25.0	8.5	9.7	8.5	9.7	18.2	9.7	85.8 <	131.3	Kuşatılmamış
S605	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S505	x	70	22.5	12.5	25.0	8.5	9.7	8.5	9.7	18.2	9.7	85.8 <	131.3	Kuşatılmamış
S505	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S405	x	70	22.5	12.5	25.0	8.5	8.6	8.5	8.6	17.2	8.7	81.5 <	131.3	Kuşatılmamış
S405	y	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.6	48.2 <	157.5	✓
S305	x	80	27.5	12.5	25.0	8.5	7.8	8.5	7.8	16.3	8.7	76.9 <	150.0	Kuşatılmamış
S305	y	40	40.0	40.0	65.0	11.2	0.0	11.2	0.0	11.2	2.6	56.2 <	195.0	✓
S205	x	80	27.5	12.5	25.0	7.4	6.6	7.4	6.6	14.0	7.9	65.5 <	150.0	Kuşatılmamış
S205	y	40	40.0	40.0	65.0	10.0	0.0	10.0	0.0	10.0	2.6	50.0 <	195.0	✓
S105	x	80	27.5	12.5	25.0	6.3	5.8	6.3	5.8	12.0	6.6	56.6 <	150.0	Kuşatılmamış
S105	y	40	40.0	40.0	65.0	9.0	0.0	9.0	0.0	9.0	2.2	44.8 <	195.0	✓
S205	x	80	27.5	12.5	25.0	4.8	4.6	4.8	4.6	9.4	2.4	47.1 <	150.0	Kuşatılmamış
S205	y	40	40.0	40.0	65.0	6.3	0.0	6.3	0.0	6.3	0.8	32.5 <	195.0	✓
S907	x	30	30.0	30.0	55.0	4.9	0.0	4.9	0.0	4.9	0.0	25.9 <	123.8	Kuşatılmamış
S907	y	60	17.5	12.5	25.0	5.8	5.8	5.8	4.2	11.6	0.0	60.7 <	112.5	✓
S807	x	30	30.0	30.0	55.0	7.4	0.0	7.4	0.0	7.4	1.9	37.0 <	123.8	Kuşatılmamış
S807	y	60	17.5	12.5	25.0	9.0	9.6	9.0	8.2	18.6	5.8	91.7 <	112.5	✓
S707	x	35	35.0	35.0	60.0	8.5	0.0	8.5	0.0	8.5	1.9	42.6 <	157.5	Kuşatılmamış
S707	y	70	22.5	12.5	25.0	10.0	9.7	10.0	8.2	19.7	5.8	97.8 <	131.3	✓
S607	x	35	35.0	35.0	60.0	11.0	0.0	11.0	0.0	11.0	3.0	54.9 <	157.5	Kuşatılmamış
S607	y	70	22.5	12.5	25.0	10.0	10.9	10.0	9.4	20.9	7.9	102.0 <	131.3	✓
S507	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	3.0	47.8 <	157.5	Kuşatılmamış
S507	y	70	22.5	12.5	25.0	10.0	9.7	10.0	8.2	19.7	7.9	95.7 <	131.3	✓
S407	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.7	48.1 <	157.5	Kuşatılmamış
S407	y	70	22.5	12.5	25.0	10.0	9.7	10.0	8.2	19.7	7.2	96.4 <	131.3	✓
S307	x	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.7	41.8 <	195.0	Kuşatılmamış
S307	y	80	27.5	12.5	25.0	10.0	8.6	10.0	7.1	18.7	7.2	90.8 <	150.0	✓
S207	x	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	42.0 <	195.0	Kuşatılmamış
S207	y	80	27.5	12.5	25.0	8.9	7.8	8.9	6.2	16.7	6.7	80.8 <	150.0	✓
S107	x	40	40.0	40.0	65.0	7.4	0.0	7.4	0.0	7.4	2.3	36.3 <	195.0	Kuşatılmamış
S107	y	80	27.5	12.5	25.0	7.8	6.2	7.8	4.6	14.0	5.7	67.7 <	150.0	✓
S207	x	40	40.0	40.0	65.0	4.8	0.0	4.8	0.0	4.8	0.8	24.5 <	195.0	Kuşatılmamış
S207	y	80	27.5	12.5	25.0	5.8	4.6	5.8	3.1	10.4	2.3	52.5 <	150.0	✓
S908	x	30	30.0	30.0	55.0	4.9	4.6	4.9	3.1	9.6	0.0	50.1 <	123.8	Kuşatılmamış
S908	y	60	15.0	15.0	30.0	8.4	4.2	8.4	3.4	12.6	0.0	66.3 <	135.0	✓
S808	x	30	30.0	30.0	55.0	4.9	4.6	4.9	3.1	9.6	3.4	46.8 <	123.8	Kuşatılmamış
S808	y	60	15.0	15.0	30.0	10.3	6.3	10.3	6.3	16.6	5.6	81.3 <	135.0	✓
S708	x	35	35.0	35.0	60.0	6.1	4.6	6.1	3.1	10.7	3.4	52.7 <	157.5	Kuşatılmamış
S708	y	70	17.5	17.5	35.0	11.2	6.3	11.2	6.3	17.4	5.6	86.0 <	183.7	✓
S608	x	35	35.0	35.0	60.0	6.1	5.8	6.1	4.2	11.8	5.4	56.6 <	157.5	Kuşatılmamış
S608	y	70	17.5	17.5	35.0	11.8	6.3	11.8	7.1	18.9	7.6	91.8 <	183.7	✓
S508	x	35	35.0	35.0	60.0	6.1	5.8	6.1	4.2	11.8	5.3	56.7 <	157.5	Kuşatılmamış
S508	y	70	17.5	17.5	35.0	11.6	7.4	11.6	8.2	19.7	7.6	96.0 <	183.7	✓
S408	x	35	35.0	35.0	60.0	6.1	4.6	6.1	3.1	10.7	4.8	51.2 <	157.5	Kuşatılmamış
S408	y	70	17.5	17.5	35.0	11.7	7.1	11.7	7.1	18.8	6.9	91.9 <	183.7	✓

S308	x	40	40.0	40.0	65.0	6.5	4.6	6.5	4.6	11.2	4.8	53.7 <	195.0	Kuşatılmamış
S308	y	80	20.0	20.0	40.0	11.7	6.2	11.7	6.2	17.9	6.9	87.3 <	240.0	✓
S208	x	40	40.0	40.0	65.0	6.3	4.6	6.3	4.6	10.9	5.3	52.0 <	195.0	Kuşatılmamış
S208	y	80	20.0	20.0	40.0	10.8	5.6	10.8	5.6	16.5	6.4	80.1 <	240.0	✓
S108	x	40	40.0	40.0	65.0	5.4	4.6	5.4	4.6	10.0	4.2	48.4 <	195.0	Kuşatılmamış
S108	y	80	20.0	20.0	40.0	9.6	5.1	9.6	5.1	14.7	5.4	71.8 <	240.0	✓
S208	x	40	40.0	40.0	65.0	4.8	4.6	4.8	4.6	9.4	1.1	48.4 <	195.0	Kuşatılmamış
S208	y	80	20.0	20.0	40.0	7.6	4.2	7.6	4.2	11.8	2.3	59.7 <	240.0	✓
S909	x	30	30.0	30.0	55.0	7.2	7.1	7.2	6.3	14.3	0.0	75.1 <	123.8	Kuşatılmamış
S909	y	60	15.0	15.0	30.0	7.2	3.4	7.2	4.2	11.4	0.0	59.9 <	135.0	✓
S809	x	30	30.0	30.0	55.0	7.2	8.2	7.2	7.4	15.4	4.3	76.4 <	123.8	Kuşatılmamış
S809	y	60	15.0	15.0	30.0	9.7	6.6	9.7	4.8	16.2	5.2	80.1 <	135.0	✓
S709	x	35	35.0	35.0	60.0	7.2	9.4	7.2	8.5	16.6	4.3	82.7 <	157.5	Kuşatılmamış
S709	y	70	17.5	17.5	35.0	10.3	4.3	10.3	5.1	15.4	5.2	75.8 <	183.8	✓
S609	x	35	35.0	35.0	60.0	7.2	10.7	7.2	9.9	17.9	6.5	87.5 <	157.5	Kuşatılmamış
S609	y	70	17.5	17.5	35.0	11.2	4.8	11.2	5.6	16.8	7.2	81.2 <	183.8	✓
S509	x	35	35.0	35.0	60.0	6.5	8.2	6.5	8.2	14.6	6.4	70.4 <	157.5	Kuşatılmamış
S509	y	70	17.5	17.5	35.0	11.2	4.8	11.2	5.6	16.8	7.2	81.2 <	183.8	✓
S409	x	35	35.0	35.0	60.0	6.5	8.2	6.5	8.2	14.6	5.7	71.1 <	157.5	Kuşatılmamış
S409	y	70	17.5	17.5	35.0	11.2	4.8	11.2	5.6	16.8	6.7	81.8 <	183.8	✓
S309	x	40	40.0	40.0	65.0	6.1	8.6	6.1	7.1	14.7	5.7	71.5 <	195.0	Kuşatılmamış
S309	y	80	20.0	20.0	40.0	10.5	5.6	10.5	5.6	16.1	6.7	78.0 <	240.0	✓
S209	x	40	40.0	40.0	65.0	5.8	7.8	5.8	6.2	13.6	5.9	65.4 <	195.0	Kuşatılmamış
S209	y	80	20.0	20.0	40.0	10.5	5.1	10.5	5.1	15.6	6.3	75.5 <	240.0	✓
S109	x	40	40.0	40.0	65.0	4.9	5.8	4.9	4.2	10.7	4.7	51.4 <	195.0	Kuşatılmamış
S109	y	80	20.0	20.0	40.0	9.0	4.6	9.0	4.6	13.6	5.4	66.2 <	240.0	✓
S209	x	40	40.0	40.0	65.0	4.9	4.6	4.9	3.1	9.6	1.2	48.9 <	195.0	Kuşatılmamış
S209	y	80	20.0	20.0	40.0	7.4	4.2	7.4	4.2	11.6	2.3	58.4 <	240.0	✓
S911	x	30	30.0	30.0	55.0	7.2	6.3	7.2	7.1	14.3	0.0	75.1 <	123.8	Kuşatılmamış
S911	y	60	15.0	15.0	30.0	7.2	3.4	7.2	4.2	11.4	0.0	59.9 <	135.0	✓
S811	x	30	30.0	30.0	55.0	7.2	7.4	7.2	8.2	15.4	4.3	76.4 <	123.8	Kuşatılmamış
S811	y	60	15.0	15.0	30.0	9.7	6.6	9.7	4.8	16.2	5.2	80.1 <	135.0	✓
S711	x	35	35.0	35.0	60.0	7.2	8.5	7.2	9.4	16.6	4.3	82.7 <	157.5	Kuşatılmamış
S711	y	70	17.5	17.5	35.0	10.3	4.3	10.3	5.1	15.4	5.2	75.8 <	183.7	✓
S611	x	35	35.0	35.0	60.0	7.2	8.5	7.2	9.4	16.6	6.5	80.4 <	157.5	Kuşatılmamış
S611	y	70	17.5	17.5	35.0	11.2	4.8	11.2	5.6	16.8	7.2	81.2 <	183.7	✓
S511	x	35	35.0	35.0	60.0	6.5	8.2	6.5	8.2	14.6	6.4	70.4 <	157.5	Kuşatılmamış
S511	y	70	17.5	17.5	35.0	11.2	4.8	11.2	5.6	16.8	7.2	81.2 <	183.7	✓
S411	x	35	35.0	35.0	60.0	6.5	8.2	6.5	8.2	14.6	5.7	71.1 <	157.5	Kuşatılmamış
S411	y	70	17.5	17.5	35.0	11.2	4.8	11.2	5.6	16.8	6.7	81.8 <	183.7	✓
S311	x	40	40.0	40.0	65.0	6.1	7.1	6.1	8.6	14.7	5.7	71.5 <	195.0	Kuşatılmamış
S311	y	80	20.0	20.0	40.0	10.5	5.6	10.5	5.6	16.1	6.7	78.0 <	240.0	✓
S211	x	40	40.0	40.0	65.0	5.8	6.2	5.8	7.8	13.6	5.9	65.4 <	195.0	Kuşatılmamış
S211	y	80	20.0	20.0	40.0	10.5	5.1	10.5	5.1	15.6	6.3	75.5 <	240.0	✓
S111	x	40	40.0	40.0	65.0	4.9	4.2	4.9	5.8	10.7	4.7	51.4 <	195.0	Kuşatılmamış
S111	y	80	20.0	20.0	40.0	9.0	4.6	9.0	4.6	13.6	5.4	66.2 <	240.0	✓
S211	x	40	40.0	40.0	65.0	4.9	3.1	4.9	4.6	9.6	1.2	48.9 <	195.0	Kuşatılmamış
S211	y	80	20.0	20.0	40.0	7.4	4.2	7.4	4.2	11.6	2.3	58.4 <	240.0	✓
S912	x	30	30.0	30.0	55.0	4.9	3.1	4.9	4.6	9.6	0.0	50.1 <	123.8	Kuşatılmamış
S912	y	60	15.0	15.0	30.0	8.4	4.2	8.4	3.4	12.6	0.0	66.3 <	135.0	✓
S812	x	30	30.0	30.0	55.0	4.9	3.1	4.9	4.6	9.6	3.4	46.8 <	123.8	Kuşatılmamış
S812	y	60	15.0	15.0	30.0	10.3	6.3	10.3	6.3	16.6	5.6	81.3 <	135.0	✓
S712	x	35	35.0	35.0	60.0	6.1	3.1	6.1	4.6	10.7	3.4	52.7 <	157.5	Kuşatılmamış
S712	y	70	17.5	17.5	35.0	11.2	6.3	11.2	6.3	17.4	5.6	86.0 <	183.7	✓
S612	x	35	35.0	35.0	60.0	6.1	4.2	6.1	5.8	11.8	5.4	56.6 <	157.5	Kuşatılmamış
S612	y	70	17.5	17.5	35.0	11.8	6.3	11.8	7.1	18.9	7.6	91.8 <	183.7	✓
S512	x	35	35.0	35.0	60.0	6.1	4.2	6.1	5.8	11.8	5.3	56.7 <	157.5	Kuşatılmamış
S512	y	70	17.5	17.5	35.0	11.6	7.4	11.6	8.2	19.7	7.6	96.0 <	183.7	✓

S412	x	35	35.0	35.0	60.0	6.1	3.1	6.1	4.6	10.7	4.8	51.2 <	157.5	Kuşatılmamış
S412	y	70	17.5	17.5	35.0	11.6	7.4	11.6	8.2	19.7	6.9	96.7 <	183.7	✓
S312	x	40	40.0	40.0	65.0	6.5	4.6	6.5	4.6	11.2	4.8	53.7 <	195.0	Kuşatılmamış
S312	y	80	20.0	20.0	40.0	11.7	6.2	11.7	6.2	17.9	6.9	87.3 <	240.0	✓
S212	x	40	40.0	40.0	65.0	6.3	4.6	6.3	4.6	10.9	5.3	52.0 <	195.0	Kuşatılmamış
S212	y	80	20.0	20.0	40.0	10.8	5.6	10.8	5.6	16.5	6.4	80.1 <	240.0	✓
S112	x	40	40.0	40.0	65.0	5.4	4.6	5.4	4.6	10.0	4.2	48.4 <	195.0	Kuşatılmamış
S112	y	80	20.0	20.0	40.0	9.6	5.1	9.6	5.1	14.7	5.4	71.8 <	240.0	✓
S212	x	40	40.0	40.0	65.0	4.8	4.6	4.8	4.6	9.4	1.1	48.4 <	195.0	Kuşatılmamış
S212	y	80	20.0	20.0	40.0	7.6	4.2	7.6	4.2	11.8	2.3	59.7 <	240.0	✓
S913	x	30	30.0	30.0	55.0	4.9	0.0	4.9	0.0	4.9	0.0	25.9 <	123.8	Kuşatılmamış
S913	y	60	12.5	17.5	25.0	5.8	5.8	5.8	4.2	11.6	0.0	60.7 <	112.5	✓
S813	x	30	30.0	30.0	55.0	7.4	0.0	7.4	0.0	7.4	1.9	37.0 <	123.8	Kuşatılmamış
S813	y	60	12.5	17.5	25.0	9.0	9.6	9.0	8.2	18.6	5.8	91.7 <	112.5	✓
S713	x	35	35.0	35.0	60.0	8.5	0.0	8.5	0.0	8.5	1.9	42.6 <	157.5	Kuşatılmamış
S713	y	70	12.5	22.5	25.0	10.0	9.7	10.0	8.2	19.7	5.8	97.8 <	131.3	✓
S613	x	35	35.0	35.0	60.0	11.0	0.0	11.0	0.0	11.0	3.0	54.9 <	157.5	Kuşatılmamış
S613	y	70	12.5	22.5	25.0	10.0	10.9	10.0	9.4	20.9	7.9	101.9 <	131.3	✓
S513	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	3.0	47.8 <	157.5	Kuşatılmamış
S513	y	70	12.5	22.5	25.0	10.0	9.7	10.0	8.2	19.7	7.9	95.7 <	131.3	✓
S413	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.7	48.1 <	157.5	Kuşatılmamış
S413	y	70	12.5	22.5	25.0	10.0	9.7	10.0	8.2	19.7	7.2	96.4 <	131.3	✓
S313	x	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.7	41.8 <	195.0	Kuşatılmamış
S313	y	80	12.5	27.5	25.0	10.0	8.6	10.0	7.1	18.7	7.2	90.8 <	150.0	✓
S213	x	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	42.0 <	195.0	Kuşatılmamış
S213	y	80	12.5	27.5	25.0	8.9	7.8	8.9	6.2	16.7	6.7	80.8 <	150.0	✓
S113	x	40	40.0	40.0	65.0	7.4	0.0	7.4	0.0	7.4	2.3	36.3 <	195.0	Kuşatılmamış
S113	y	80	12.5	27.5	25.0	7.8	6.2	7.8	4.6	14.0	5.7	67.7 <	150.0	✓
S213	x	40	40.0	40.0	65.0	4.8	0.0	4.8	0.0	4.8	0.8	24.5 <	195.0	Kuşatılmamış
S213	y	80	12.5	27.5	25.0	5.8	4.6	5.8	3.1	10.4	2.3	52.5 <	150.0	✓
S914	x	30	30.0	30.0	55.0	5.8	0.0	5.8	0.0	5.8	0.0	30.2 <	123.8	Kuşatılmamış
S914	y	60	17.5	12.5	25.0	6.3	4.6	6.3	6.2	12.5	0.0	65.7 <	112.5	✓
S814	x	30	30.0	30.0	55.0	7.8	0.0	7.8	0.0	7.8	1.9	38.8 <	123.8	Kuşatılmamış
S814	y	60	17.5	12.5	25.0	10.0	7.1	10.0	10.1	20.1	5.8	99.6 <	112.5	✓
S714	x	35	35.0	35.0	60.0	8.6	0.0	8.6	0.0	8.6	1.9	43.4 <	157.5	Kuşatılmamış
S714	y	70	22.5	12.5	25.0	10.0	7.1	10.0	10.1	20.1	5.8	99.6 <	131.3	✓
S614	x	35	35.0	35.0	60.0	10.9	0.0	10.9	0.0	10.9	3.0	54.2 <	157.5	Kuşatılmamış
S614	y	70	22.5	12.5	25.0	11.2	8.2	11.2	11.1	22.3	7.9	109.4 <	131.3	✓
S514	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	3.0	48.0 <	157.5	Kuşatılmamış
S514	y	70	22.5	12.5	25.0	11.2	9.4	11.2	10.8	22.0	7.9	107.7 <	131.3	✓
S414	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.8	48.2 <	157.5	Kuşatılmamış
S414	y	70	22.5	12.5	25.0	10.0	8.2	10.0	9.7	19.7	7.2	96.4 <	131.3	✓
S314	x	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	41.8 <	195.0	Kuşatılmamış
S314	y	80	27.5	12.5	25.0	10.0	8.2	10.0	9.7	19.7	7.2	96.4 <	150.0	✓
S214	x	40	40.0	40.0	65.0	9.7	0.0	9.7	0.0	9.7	2.9	48.0 <	195.0	Kuşatılmamış
S214	y	80	27.5	12.5	25.0	10.1	7.1	10.1	8.6	18.7	6.7	91.6 <	150.0	✓
S114	x	40	40.0	40.0	65.0	7.4	0.0	7.4	0.0	7.4	2.3	36.6 <	195.0	Kuşatılmamış
S114	y	80	27.5	12.5	25.0	7.8	5.1	7.8	6.6	14.5	5.7	70.2 <	150.0	✓
S214	x	40	40.0	40.0	65.0	4.8	0.0	4.8	0.0	4.8	0.8	24.5 <	195.0	Kuşatılmamış
S214	y	80	27.5	12.5	25.0	5.8	3.1	5.8	4.6	10.4	2.3	52.5 <	150.0	✓
S915	x	30	30.0	30.0	55.0	6.2	4.6	6.2	3.1	10.8	0.0	56.6 <	123.8	Kuşatılmamış
S915	y	60	15.0	15.0	30.0	8.4	4.3	8.4	5.1	13.5	0.0	70.9 <	135.0	✓
S815	x	30	30.0	30.0	55.0	6.2	4.6	6.2	3.1	10.8	3.4	53.2 <	123.8	Kuşatılmamış
S815	y	60	15.0	15.0	30.0	11.0	5.4	11.0	6.2	17.2	5.6	84.6 <	135.0	✓
S715	x	35	35.0	35.0	60.0	6.2	5.8	6.2	4.2	11.9	3.4	59.1 <	157.5	Kuşatılmamış
S715	y	70	17.5	17.5	35.0	11.7	6.3	11.7	6.3	18.0	5.6	88.8 <	183.7	✓
S615	x	35	35.0	35.0	60.0	6.2	5.8	6.2	4.2	11.9	5.5	57.0 <	157.5	Kuşatılmamış
S615	y	70	17.5	17.5	35.0	12.4	8.2	12.4	7.4	20.5	7.6	100.3 <	183.7	✓

S515	x	35	35.0	35.0	60.0	6.2	5.8	6.2	4.2	11.9	5.4	57.1 <	157.5	Kuşatılmamış
S515	y	70	17.5	17.5	35.0	12.4	9.4	12.4	8.5	21.8	7.6	106.9 <	183.7	✓
S415	x	35	35.0	35.0	60.0	6.2	5.8	6.2	4.2	11.9	4.9	57.6 <	157.5	Kuşatılmamış
S415	y	70	17.5	17.5	35.0	12.4	8.2	12.4	7.4	20.6	6.9	101.3 <	183.7	✓
S315	x	40	40.0	40.0	65.0	5.9	5.8	5.9	5.8	11.7	4.9	56.5 <	195.0	Kuşatılmamış
S315	y	80	20.0	20.0	40.0	11.7	7.1	11.7	7.1	18.8	6.9	91.9 <	240.0	✓
S215	x	40	40.0	40.0	65.0	6.5	5.8	6.5	5.8	12.3	5.3	59.2 <	195.0	Kuşatılmamış
S215	y	80	20.0	20.0	40.0	11.7	5.6	11.7	5.6	17.3	6.4	84.7 <	240.0	✓
S115	x	40	40.0	40.0	65.0	5.4	4.6	5.4	4.6	10.0	4.2	48.4 <	195.0	Kuşatılmamış
S115	y	80	20.0	20.0	40.0	10.5	5.1	10.5	5.1	15.6	5.4	76.4 <	240.0	✓
SZ15	x	40	40.0	40.0	65.0	4.8	4.6	4.8	4.6	9.4	1.1	48.4 <	195.0	Kuşatılmamış
SZ15	y	80	20.0	20.0	40.0	8.0	4.2	8.0	4.2	12.2	2.3	61.9 <	240.0	✓
S916	x	30	30.0	30.0	55.0	8.2	5.1	8.2	6.0	14.2	0.0	74.6 <	123.8	Kuşatılmamış
S916	y	60	15.0	15.0	30.0	8.1	4.2	8.1	3.4	12.3	0.0	64.5 <	135.0	✓
S816	x	30	30.0	30.0	55.0	9.2	8.2	9.2	8.2	17.4	4.1	87.3 <	123.8	Kuşatılmamış
S816	y	60	15.0	15.0	30.0	10.8	5.4	10.8	7.2	18.0	5.1	89.2 <	135.0	✓
S716	x	35	35.0	35.0	60.0	9.2	9.4	9.2	9.4	18.6	4.1	93.6 <	157.5	Kuşatılmamış
S716	y	70	17.5	17.5	35.0	12.3	5.6	12.3	4.8	17.9	5.1	88.9 <	183.8	✓
S616	x	35	35.0	35.0	60.0	9.2	10.7	9.2	10.7	20.0	6.3	98.4 <	157.5	Kuşatılmamış
S616	y	70	17.5	17.5	35.0	12.3	6.2	12.3	5.4	18.5	7.2	90.0 <	183.8	✓
S516	x	35	35.0	35.0	60.0	8.2	8.2	8.2	9.1	17.3	6.2	84.5 <	157.5	Kuşatılmamış
S516	y	70	17.5	17.5	35.0	12.3	6.2	12.3	5.4	18.5	7.2	90.0 <	183.8	✓
S416	x	35	35.0	35.0	60.0	8.4	9.4	8.4	8.5	17.8	5.6	87.7 <	157.5	Kuşatılmamış
S416	y	70	17.5	17.5	35.0	12.3	6.2	12.3	5.4	18.5	6.6	90.5 <	183.8	✓
S316	x	40	40.0	40.0	65.0	6.1	9.7	6.1	8.2	15.8	5.6	77.2 <	195.0	Kuşatılmamış
S316	y	80	20.0	20.0	40.0	11.6	5.6	11.6	5.6	17.2	6.6	83.6 <	240.0	✓
S216	x	40	40.0	40.0	65.0	6.1	8.6	6.1	7.1	14.7	5.9	71.4 <	195.0	Kuşatılmamış
S216	y	80	20.0	20.0	40.0	11.6	5.6	11.6	5.6	17.2	6.3	83.9 <	240.0	✓
S116	x	40	40.0	40.0	65.0	4.9	6.6	4.9	5.1	11.6	4.7	56.0 <	195.0	Kuşatılmamış
S116	y	80	20.0	20.0	40.0	9.6	5.1	9.6	5.1	14.7	5.4	71.8 <	240.0	✓
SZ16	x	40	40.0	40.0	65.0	4.9	4.6	4.9	3.1	9.6	1.2	48.9 <	195.0	Kuşatılmamış
SZ16	y	80	20.0	20.0	40.0	7.9	4.2	7.9	4.2	12.1	2.3	61.2 <	240.0	✓
S917	x	30	30.0	30.0	55.0	8.2	6.0	8.2	5.1	14.2	0.0	74.6 <	123.8	Kuşatılmamış
S917	y	60	15.0	15.0	30.0	8.1	4.2	8.1	3.4	12.3	0.0	64.5 <	135.0	✓
S817	x	30	30.0	30.0	55.0	9.2	8.2	9.2	8.2	17.4	4.1	87.3 <	123.8	Kuşatılmamış
S817	y	60	15.0	15.0	30.0	10.8	5.4	10.8	7.2	18.0	5.1	89.2 <	135.0	✓
S717	x	35	35.0	35.0	60.0	9.2	9.4	9.2	9.4	18.6	4.1	93.6 <	157.5	Kuşatılmamış
S717	y	70	17.5	17.5	35.0	12.3	5.6	12.3	4.8	17.9	5.1	88.9 <	183.7	✓
S617	x	35	35.0	35.0	60.0	9.2	10.7	9.2	10.7	20.0	6.3	98.4 <	157.5	Kuşatılmamış
S617	y	70	17.5	17.5	35.0	12.3	6.2	12.3	5.4	18.5	7.2	90.0 <	183.7	✓
S517	x	35	35.0	35.0	60.0	8.2	9.1	8.2	8.2	17.3	6.2	84.5 <	157.5	Kuşatılmamış
S517	y	70	17.5	17.5	35.0	12.3	6.2	12.3	5.4	18.5	7.2	90.0 <	183.7	✓
S417	x	35	35.0	35.0	60.0	8.4	8.5	8.4	9.4	17.8	5.6	87.7 <	157.5	Kuşatılmamış
S417	y	70	17.5	17.5	35.0	12.3	6.2	12.3	5.4	18.5	6.6	90.5 <	183.7	✓
S317	x	40	40.0	40.0	65.0	6.1	8.2	6.1	9.7	15.8	5.6	77.2 <	195.0	Kuşatılmamış
S317	y	80	20.0	20.0	40.0	11.6	5.6	11.6	5.6	17.2	6.6	83.6 <	240.0	✓
S217	x	40	40.0	40.0	65.0	6.1	7.1	6.1	8.6	14.7	5.9	71.4 <	195.0	Kuşatılmamış
S217	y	80	20.0	20.0	40.0	11.6	5.6	11.6	5.6	17.2	6.3	83.9 <	240.0	✓
S117	x	40	40.0	40.0	65.0	4.9	5.1	4.9	6.6	11.6	4.7	56.0 <	195.0	Kuşatılmamış
S117	y	80	20.0	20.0	40.0	9.6	5.1	9.6	5.1	14.7	5.4	71.8 <	240.0	✓
SZ17	x	40	40.0	40.0	65.0	4.9	3.1	4.9	4.6	9.6	1.2	48.9 <	195.0	Kuşatılmamış
SZ17	y	80	20.0	20.0	40.0	7.9	4.2	7.9	4.2	12.1	2.3	61.2 <	240.0	✓
S918	x	30	30.0	30.0	55.0	6.2	3.1	6.2	4.6	10.8	0.0	56.6 <	123.8	Kuşatılmamış
S918	y	60	15.0	15.0	30.0	8.4	4.3	8.4	5.1	13.5	0.0	70.9 <	135.0	✓
S818	x	30	30.0	30.0	55.0	6.2	3.1	6.2	4.6	10.8	3.4	53.2 <	123.8	Kuşatılmamış
S818	y	60	15.0	15.0	30.0	10.9	4.3	10.9	6.0	16.9	5.6	83.3 <	135.0	✓
S718	x	35	35.0	35.0	60.0	6.2	4.2	6.2	5.8	11.9	3.4	59.1 <	157.5	Kuşatılmamış
S718	y	70	17.5	17.5	35.0	11.7	6.3	11.7	6.3	18.0	5.6	88.8 <	183.7	✓

S618	x	35	35.0	35.0	60.0	6.2	4.2	6.2	5.8	11.9	5.5	57.0 <	157.5	Kuşatılmamış
S618	y	70	17.5	17.5	35.0	12.4	8.2	12.4	7.4	20.5	7.6	100.3 <	183.7	✓
S518	x	35	35.0	35.0	60.0	6.2	4.2	6.2	5.8	11.9	5.4	57.1 <	157.5	Kuşatılmamış
S518	y	70	17.5	17.5	35.0	12.4	9.4	12.4	8.5	21.8	7.6	106.9 <	183.7	✓
S418	x	35	35.0	35.0	60.0	6.2	4.2	6.2	5.8	11.9	4.9	57.6 <	157.5	Kuşatılmamış.
S418	y	70	17.5	17.5	35.0	12.4	8.2	12.4	7.4	20.6	6.9	101.3 <	183.7	✓
S318	x	40	40.0	40.0	65.0	5.9	5.8	5.9	5.8	11.7	4.9	56.5 <	195.0	Kuşatılmamış
S318	y	80	20.0	20.0	40.0	11.7	7.1	11.7	7.1	18.8	6.9	91.9 <	240.0	✓
S218	x	40	40.0	40.0	65.0	6.5	5.8	6.5	5.8	12.3	5.3	59.2 <	195.0	Kuşatılmamış
S218	y	80	20.0	20.0	40.0	11.7	5.6	11.7	5.6	17.3	6.4	84.7 <	240.0	✓
S118	x	40	40.0	40.0	65.0	5.4	4.6	5.4	4.6	10.0	4.2	48.4 <	195.0	Kuşatılmamış
S118	y	80	20.0	20.0	40.0	10.5	5.1	10.5	5.1	15.6	5.4	76.4 <	240.0	✓
SZ18	x	40	40.0	40.0	65.0	4.8	4.6	4.8	4.6	9.4	1.1	48.4 <	195.0	Kuşatılmamış
SZ18	y	80	20.0	20.0	40.0	8.0	4.2	8.0	4.2	12.2	2.3	61.9 <	240.0	✓
S919	x	30	30.0	30.0	55.0	5.8	0.0	5.8	0.0	5.8	0.0	30.2 <	123.8	Kuşatılmamış
S919	y	60	12.5	17.5	25.0	6.3	4.6	6.3	6.2	12.5	0.0	65.7 <	112.5	✓
S819	x	30	30.0	30.0	55.0	7.8	0.0	7.8	0.0	7.8	1.9	38.8 <	123.8	Kuşatılmamış
S819	y	60	12.5	17.5	25.0	10.0	7.1	10.0	10.1	20.1	5.8	99.6 <	112.5	✓
S719	x	35	35.0	35.0	60.0	8.6	0.0	8.6	0.0	8.6	1.9	43.4 <	157.5	Kuşatılmamış
S719	y	70	12.5	22.5	25.0	10.0	7.1	10.0	10.1	20.1	5.8	99.6 <	131.3	✓
S619	x	35	35.0	35.0	60.0	10.9	0.0	10.9	0.0	10.9	3.0	54.2 <	157.5	Kuşatılmamış
S619	y	70	12.5	22.5	25.0	11.2	8.2	11.2	11.1	22.3	7.9	109.4 <	131.3	✓
S519	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	3.0	48.0 <	157.5	Kuşatılmamış
S519	y	70	12.5	22.5	25.0	11.2	9.4	11.2	10.8	22.0	7.9	107.7 <	131.3	✓
S419	x	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.8	48.2 <	157.5	Kuşatılmamış
S419	y	70	12.5	22.5	25.0	10.0	8.2	10.0	9.7	19.7	7.2	96.4 <	131.3	✓
S319	x	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	41.8 <	195.0	Kuşatılmamış
S319	y	80	12.5	27.5	25.0	10.0	8.2	10.0	9.7	19.7	7.2	96.4 <	150.0	✓
S219	x	40	40.0	40.0	65.0	9.7	0.0	9.7	0.0	9.7	2.9	48.0 <	195.0	Kuşatılmamış
S219	y	80	12.5	27.5	25.0	10.1	7.1	10.1	8.6	18.7	6.7	91.6 <	150.0	✓
S119	x	40	40.0	40.0	65.0	7.4	0.0	7.4	0.0	7.4	2.3	36.6 <	195.0	Kuşatılmamış
S119	y	80	12.5	27.5	25.0	7.8	5.1	7.8	6.6	14.5	5.7	70.2 <	150.0	✓
SZ19	x	40	40.0	40.0	65.0	4.8	0.0	4.8	0.0	4.8	0.8	24.5 <	195.0	Kuşatılmamış
SZ19	y	80	12.5	27.5	25.0	5.8	3.1	5.8	4.6	10.4	2.3	52.5 <	150.0	✓
S921	x	60	12.5	17.5	25.0	4.8	6.6	4.8	6.6	11.4	0.0	60.0 <	112.5	Kuşatılmamış
S921	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S821	x	60	12.5	17.5	25.0	6.5	8.6	6.5	8.6	15.2	7.2	72.5 <	112.5	Kuşatılmamış
S821	y	30	30.0	30.0	55.0	8.5	0.0	8.5	0.0	8.5	2.0	42.9 <	123.8	✓
S721	x	70	12.5	22.5	25.0	7.4	9.7	7.4	9.7	17.1	7.2	82.7 <	131.3	Kuşatılmamış
S721	y	35	35.0	35.0	60.0	9.7	0.0	9.7	0.0	9.7	2.0	48.8 <	157.5	✓
S621	x	70	12.5	22.5	25.0	8.5	9.7	8.5	9.7	18.2	9.8	85.7 <	131.3	Kuşatılmamış
S621	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S521	x	70	12.5	22.5	25.0	8.5	9.7	8.5	9.7	18.2	9.8	85.7 <	131.3	Kuşatılmamış
S521	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S421	x	70	12.5	22.5	25.0	8.5	8.6	8.5	8.6	17.2	8.8	81.4 <	131.3	Kuşatılmamış
S421	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.6	53.8 <	157.5	✓
S321	x	80	12.5	27.5	25.0	8.5	7.8	8.5	7.8	16.3	8.8	76.8 <	150.0	Kuşatılmamış
S321	y	40	40.0	40.0	65.0	11.2	0.0	11.2	0.0	11.2	2.6	56.2 <	195.0	✓
S221	x	80	12.5	27.5	25.0	7.4	6.6	7.4	6.6	14.0	8.0	65.4 <	150.0	Kuşatılmamış
S221	y	40	40.0	40.0	65.0	10.0	0.0	10.0	0.0	10.0	2.6	50.0 <	195.0	✓
S121	x	80	12.5	27.5	25.0	6.3	5.8	6.3	5.8	12.0	6.7	56.5 <	150.0	Kuşatılmamış
S121	y	40	40.0	40.0	65.0	9.0	0.0	9.0	0.0	9.0	2.2	44.8 <	195.0	✓
SZ21	x	80	12.5	27.5	25.0	4.8	4.6	4.8	4.6	9.4	2.5	47.0 <	150.0	Kuşatılmamış
SZ21	y	40	40.0	40.0	65.0	6.3	0.0	6.3	0.0	6.3	0.8	32.5 <	195.0	✓
S922	x	60	12.5	17.5	25.0	4.8	4.6	4.8	4.6	9.4	0.0	49.5 <	112.5	Kuşatılmamış
S922	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S822	x	60	12.5	17.5	25.0	6.5	5.8	6.5	5.8	12.3	6.8	57.7 <	112.5	Kuşatılmamış
S822	y	30	30.0	30.0	55.0	6.8	0.0	6.8	0.0	6.8	2.6	33.2 <	123.8	✓

S722	x	70	12.5	22.5	25.0	7.4	6.2	7.4	6.2	13.6	6.8	64.5 <	131.3	Kuşatılmamış
S722	y	35	35.0	35.0	60.0	7.7	0.0	7.7	0.0	7.7	2.6	37.7 <	157.5	✓
S622	x	70	12.5	22.5	25.0	8.5	7.2	8.5	7.2	15.6	9.5	72.6 <	131.3	Kuşatılmamış
S622	y	35	35.0	35.0	60.0	8.2	0.0	8.2	0.0	8.2	3.5	39.6 <	157.5	✓
S522	x	70	12.5	22.5	25.0	8.5	6.6	8.5	6.6	15.1	9.5	69.8 <	131.3	Kuşatılmamış
S522	y	35	35.0	35.0	60.0	8.2	0.0	8.2	0.0	8.2	3.5	39.6 <	157.5	✓
S422	x	70	12.5	22.5	25.0	8.5	6.2	8.5	6.2	14.7	8.6	68.6 <	131.3	Kuşatılmamış
S422	y	35	35.0	35.0	60.0	8.2	0.0	8.2	0.0	8.2	3.1	39.9 <	157.5	✓
S322	x	80	12.5	27.5	25.0	8.5	6.2	8.5	6.2	14.7	8.6	68.6 <	150.0	Kuşatılmamış
S322	y	40	40.0	40.0	65.0	8.8	0.0	8.8	0.0	8.8	3.1	43.1 <	195.0	✓
S222	x	80	12.5	27.5	25.0	7.4	6.2	7.4	6.2	13.5	8.1	62.9 <	150.0	Kuşatılmamış
S222	y	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	42.0 <	195.0	✓
S122	x	80	12.5	27.5	25.0	6.3	4.6	6.3	4.6	10.9	6.7	50.6 <	150.0	Kuşatılmamış
S122	y	40	40.0	40.0	65.0	7.7	0.0	7.7	0.0	7.7	2.4	37.9 <	195.0	✓
SZ22	x	80	12.5	27.5	25.0	4.8	4.6	4.8	4.6	9.4	2.4	47.0 <	150.0	Kuşatılmamış
SZ22	y	40	40.0	40.0	65.0	5.7	0.0	5.7	0.0	5.7	0.8	28.9 <	195.0	✓
S923	x	60	12.5	17.5	25.0	4.8	4.6	4.8	4.6	9.4	0.0	49.5 <	112.5	Kuşatılmamış
S923	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S823	x	60	12.5	17.5	25.0	6.5	5.8	6.5	5.8	12.3	6.8	57.7 <	112.5	Kuşatılmamış
S823	y	30	30.0	30.0	55.0	6.8	0.0	6.8	0.0	6.8	2.6	33.2 <	123.8	✓
S723	x	70	12.5	22.5	25.0	7.4	6.2	7.4	6.2	13.6	6.8	64.5 <	131.3	Kuşatılmamış
S723	y	35	35.0	35.0	60.0	7.7	0.0	7.7	0.0	7.7	2.6	37.7 <	157.5	✓
S623	x	70	12.5	22.5	25.0	8.5	7.2	8.5	7.2	15.6	9.5	72.6 <	131.3	Kuşatılmamış
S623	y	35	35.0	35.0	60.0	8.2	0.0	8.2	0.0	8.2	3.5	39.6 <	157.5	✓
S523	x	70	12.5	22.5	25.0	8.5	6.6	8.5	6.6	15.1	9.5	69.8 <	131.3	Kuşatılmamış
S523	y	35	35.0	35.0	60.0	8.2	0.0	8.2	0.0	8.2	3.5	39.6 <	157.5	✓
S423	x	70	12.5	22.5	25.0	8.5	6.2	8.5	6.2	14.7	8.6	68.6 <	131.3	Kuşatılmamış
S423	y	35	35.0	35.0	60.0	8.2	0.0	8.2	0.0	8.2	3.1	39.9 <	157.5	✓
S323	x	80	12.5	27.5	25.0	8.5	6.2	8.5	6.2	14.7	8.6	68.6 <	150.0	Kuşatılmamış
S323	y	40	40.0	40.0	65.0	8.8	0.0	8.8	0.0	8.8	3.1	43.1 <	195.0	✓
S223	x	80	12.5	27.5	25.0	7.4	6.2	7.4	6.2	13.5	8.1	62.9 <	150.0	Kuşatılmamış
S223	y	40	40.0	40.0	65.0	8.5	0.0	8.5	0.0	8.5	2.8	42.0 <	195.0	✓
S123	x	80	12.5	27.5	25.0	6.3	4.6	6.3	4.6	10.9	6.7	50.6 <	150.0	Kuşatılmamış
S123	y	40	40.0	40.0	65.0	7.7	0.0	7.7	0.0	7.7	2.4	37.9 <	195.0	✓
SZ23	x	80	12.5	27.5	25.0	4.8	4.6	4.8	4.6	9.4	2.4	47.0 <	150.0	Kuşatılmamış
SZ23	y	40	40.0	40.0	65.0	5.7	0.0	5.7	0.0	5.7	0.8	28.9 <	195.0	✓
S924	x	60	12.5	17.5	25.0	4.8	6.6	4.8	6.6	11.4	0.0	60.0 <	112.5	Kuşatılmamış
S924	y	30	30.0	30.0	55.0	5.7	0.0	5.7	0.0	5.7	0.0	29.7 <	123.8	✓
S824	x	60	12.5	17.5	25.0	6.5	8.6	6.5	8.6	15.2	7.2	72.5 <	112.5	Kuşatılmamış
S824	y	30	30.0	30.0	55.0	8.5	0.0	8.5	0.0	8.5	2.0	42.9 <	123.8	✓
S724	x	70	12.5	22.5	25.0	7.4	9.7	7.4	9.7	17.1	7.2	82.7 <	131.3	Kuşatılmamış
S724	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.0	54.4 <	157.5	✓
S624	x	70	12.5	22.5	25.0	8.5	9.7	8.5	9.7	18.2	9.8	85.7 <	131.3	Kuşatılmamış
S624	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S524	x	70	12.5	22.5	25.0	8.5	9.7	8.5	9.7	18.2	9.8	85.7 <	131.3	Kuşatılmamış
S524	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.9	53.5 <	157.5	✓
S424	x	70	12.5	22.5	25.0	8.5	8.6	8.5	8.6	17.2	8.8	81.4 <	131.3	Kuşatılmamış
S424	y	35	35.0	35.0	60.0	10.7	0.0	10.7	0.0	10.7	2.6	53.8 <	157.5	✓
S324	x	80	12.5	27.5	25.0	8.5	7.8	8.5	7.8	16.3	8.8	76.8 <	150.0	Kuşatılmamış
S324	y	40	40.0	40.0	65.0	11.2	0.0	11.2	0.0	11.2	2.6	56.2 <	195.0	✓
S224	x	80	12.5	27.5	25.0	7.4	6.6	7.4	6.6	14.0	8.0	65.4 <	150.0	Kuşatılmamış
S224	y	40	40.0	40.0	65.0	10.0	0.0	10.0	0.0	10.0	2.6	50.0 <	195.0	✓
S124	x	80	12.5	27.5	25.0	6.3	5.8	6.3	5.8	12.0	6.7	56.5 <	150.0	Kuşatılmamış
S124	y	40	40.0	40.0	65.0	9.0	0.0	9.0	0.0	9.0	2.2	44.8 <	195.0	✓
SZ24	x	80	12.5	27.5	25.0	4.8	4.6	4.8	4.6	9.4	2.5	47.0 <	150.0	Kuşatılmamış
SZ24	y	40	40.0	40.0	65.0	6.3	0.0	6.3	0.0	6.3	0.8	32.5 <	195.0	✓

KOLONLARIN KESME GUVENLIK KONTROLU

Kolon	Ln	+X			-X			+Y			-Y		
		Mp	Mc	Mr	Mp	Mc	Mr	Mp	Mc	Mr	Mp	Mc	Mr
SZ02	3.40	70.21 20.82 + Mu= 10.56 72.29 0.00 + Ma= 72.29 0.00 Ve= 24.37 Vr= 68.15✓	70.21 -20.82 + Mu= 10.56 72.29 0.00 + Ma= 72.29 0.00 Ve= 24.37 Vr= 68.15✓	70.21 6.90 + Mu= 3.49 35.29 0.00 + Ma= 35.29 0.00 Ve= 11.41 Vr= 68.15✓	34.55 -13.80 + Mu= 6.97 35.29 0.00 + Ma= 35.29 0.00 Ve= 12.43 Vr= 68.15✓								
SZ03	3.40	70.46 20.82 + Mu= 10.56 72.48 0.00 + Ma= 72.48 0.00 Ve= 24.42 Vr= 68.15✓	70.46 -20.82 + Mu= 10.56 72.48 0.00 + Ma= 72.48 0.00 Ve= 24.42 Vr= 68.15✓	70.46 7.59 + Mu= 3.83 35.47 0.00 + Ma= 35.47 0.00 Ve= 11.56 Vr= 68.15✓	34.77 -12.38 + Mu= 6.25 35.47 0.00 + Ma= 35.47 0.00 Ve= 12.27 Vr= 68.15✓								
SZ04	3.40	70.31 20.82 + Mu= 10.57 72.48 0.00 + Ma= 72.48 0.00 Ve= 24.43 Vr= 68.15✓	70.31 -20.82 + Mu= 10.57 72.48 0.00 + Ma= 72.48 0.00 Ve= 24.43 Vr= 68.15✓	70.31 7.59 + Mu= 3.83 35.47 0.00 + Ma= 35.47 0.00 Ve= 11.56 Vr= 68.15✓	34.77 -12.38 + Mu= 6.25 35.47 0.00 + Ma= 35.47 0.00 Ve= 12.27 Vr= 68.15✓								
SZ05	3.40	70.22 20.82 + Mu= 10.56 72.30 0.00 + Ma= 72.30 0.00 Ve= 24.37 Vr= 68.15✓	70.22 -20.82 + Mu= 10.56 72.30 0.00 + Ma= 72.30 0.00 Ve= 24.37 Vr= 68.15✓	70.22 6.90 + Mu= 3.49 35.30 0.00 + Ma= 35.30 0.00 Ve= 11.41 Vr= 68.15✓	34.55 -13.80 + Mu= 6.97 35.30 0.00 + Ma= 35.30 0.00 Ve= 12.43 Vr= 68.15✓								
SZ07	3.40	34.15 10.22 + Mu= 5.17 34.92 0.00 + Ma= 34.92 0.00 Ve= 11.79 Vr= 68.15✓	34.15 -10.62 + Mu= 5.37 34.92 0.00 + Ma= 34.92 0.00 Ve= 11.85 Vr= 68.15✓	34.15 19.61 + Mu= 9.96 65.84 0.00 + Ma= 65.84 0.00 Ve= 22.30 Vr= 68.15✓	63.74 -22.91 + Mu= 11.64 65.84 0.00 + Ma= 65.84 0.00 Ve= 22.79 Vr= 68.15✓								
SZ08	3.40	36.00 20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	36.00 -20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	36.00 25.67 + Mu= 12.91 76.56 0.00 + Ma= 76.56 0.00 Ve= 26.31 Vr= 68.15✓	75.72 -25.67 + Mu= 12.91 76.56 0.00 + Ma= 76.56 0.00 Ve= 26.31 Vr= 68.15✓								
SZ09	3.40	35.93 17.79 + Mu= 8.92 36.11 0.00 + Ma= 36.11 0.00 Ve= 13.24 Vr= 68.15✓	35.93 -21.10 + Mu= 10.58 36.11 0.00 + Ma= 36.11 0.00 Ve= 13.73 Vr= 68.15✓	35.93 25.17 + Mu= 12.60 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.23 Vr= 68.15✓	76.36 -25.17 + Mu= 12.60 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.23 Vr= 68.15✓								
SZ11	3.40	35.93 21.10 + Mu= 10.57 36.11 0.00 + Ma= 36.11 0.00 Ve= 13.73 Vr= 68.15✓	35.93 -17.79 + Mu= 8.92 36.11 0.00 + Ma= 36.11 0.00 Ve= 13.24 Vr= 68.15✓	35.93 25.17 + Mu= 12.60 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.23 Vr= 68.15✓	76.36 -25.17 + Mu= 12.60 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.23 Vr= 68.15✓								
SZ12	3.40	36.01 20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	36.01 -20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	36.01 25.67 + Mu= 12.91 76.57 0.00 + Ma= 76.57 0.00 Ve= 26.32 Vr= 68.15✓	75.73 -25.67 + Mu= 12.91 76.57 0.00 + Ma= 76.57 0.00 Ve= 26.32 Vr= 68.15✓								
SZ13	3.40	34.15 10.62 + Mu= 5.37 34.93 0.00 + Ma= 34.93 0.00 Ve= 11.85 Vr= 68.15✓	34.15 -10.23 + Mu= 5.17 34.93 0.00 + Ma= 34.93 0.00 Ve= 11.79 Vr= 68.15✓	34.15 19.61 + Mu= 9.96 65.88 0.00 + Ma= 65.88 0.00 Ve= 22.31 Vr= 68.15✓	63.77 -22.91 + Mu= 11.64 65.88 0.00 + Ma= 65.88 0.00 Ve= 22.80 Vr= 68.15✓								
SZ14	3.40	34.11 10.23 + Mu= 5.17 34.89 0.00 + Ma= 34.89 0.00 Ve= 11.78 Vr= 68.15✓	34.11 -10.62 + Mu= 5.37 34.89 0.00 + Ma= 34.89 0.00 Ve= 11.84 Vr= 68.15✓	34.11 22.91 + Mu= 11.64 65.53 0.00 + Ma= 65.53 0.00 Ve= 22.70 Vr= 68.15✓	63.45 -19.61 + Mu= 9.96 65.53 0.00 + Ma= 65.53 0.00 Ve= 22.20 Vr= 68.15✓								
SZ15	3.40	36.00 20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	36.00 -20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	36.00 26.48 + Mu= 13.32 76.54 0.00 + Ma= 76.54 0.00 Ve= 26.43 Vr= 68.15✓	75.68 -26.48 + Mu= 13.32 76.54 0.00 + Ma= 76.54 0.00 Ve= 26.43 Vr= 68.15✓								

SZ16	3.40	35.70 17.80 + Mu= 8.95 36.10 0.00 + Ma= 36.10 0.00 Ve= 13.25 Vr= 68.15✓	35.70 -21.10 + Mu= 10.61 36.10 0.00 + Ma= 36.10 0.00 Ve= 13.74 Vr= 68.15✓	76.04 26.23 + Mu= 13.16 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.40 Vr= 68.15✓	76.04 -26.23 + Mu= 13.16 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.40 Vr= 68.15✓
SZ17	3.40	35.70 21.10 + Mu= 10.61 36.10 0.00 + Ma= 36.10 0.00 Ve= 13.74 Vr= 68.15✓	35.70 -17.80 + Mu= 8.95 36.10 0.00 + Ma= 36.10 0.00 Ve= 13.25 Vr= 68.15✓	76.05 26.23 + Mu= 13.16 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.40 Vr= 68.15✓	76.05 -26.23 + Mu= 13.16 76.58 0.00 + Ma= 76.58 0.00 Ve= 26.40 Vr= 68.15✓
SZ18	3.40	36.00 20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	36.00 -20.83 + Mu= 10.43 36.12 0.00 + Ma= 36.12 0.00 Ve= 13.69 Vr= 68.15✓	75.68 26.48 + Mu= 13.32 76.54 0.00 + Ma= 76.54 0.00 Ve= 26.43 Vr= 68.15✓	75.68 -26.48 + Mu= 13.32 76.54 0.00 + Ma= 76.54 0.00 Ve= 26.43 Vr= 68.15✓
SZ19	3.40	34.11 10.62 + Mu= 5.37 34.89 0.00 + Ma= 34.89 0.00 Ve= 11.84 Vr= 68.15✓	34.11 -10.22 + Mu= 5.17 34.89 0.00 + Ma= 34.89 0.00 Ve= 11.78 Vr= 68.15✓	63.44 22.91 + Mu= 11.64 65.53 0.00 + Ma= 65.53 0.00 Ve= 22.70 Vr= 68.15✓	63.44 -19.61 + Mu= 9.96 65.53 0.00 + Ma= 65.53 0.00 Ve= 22.20 Vr= 68.15✓
SZ21	3.40	70.33 20.82 + Mu= 10.56 72.40 0.00 + Ma= 72.40 0.00 Ve= 24.40 Vr= 68.15✓	70.33 -20.82 + Mu= 10.56 72.40 0.00 + Ma= 72.40 0.00 Ve= 24.40 Vr= 68.15✓	34.60 13.80 + Mu= 6.97 35.34 0.00 + Ma= 35.34 0.00 Ve= 12.44 Vr= 68.15✓	34.60 -9.34 + Mu= 4.72 35.34 0.00 + Ma= 35.34 0.00 Ve= 11.78 Vr= 68.15✓
SZ22	3.40	70.71 20.82 + Mu= 10.56 72.70 0.00 + Ma= 72.70 0.00 Ve= 24.49 Vr= 68.15✓	70.71 -20.82 + Mu= 10.55 72.70 0.00 + Ma= 72.70 0.00 Ve= 24.49 Vr= 68.15✓	34.85 12.38 + Mu= 6.25 35.54 0.00 + Ma= 35.54 0.00 Ve= 12.29 Vr= 68.15✓	34.85 -7.59 + Mu= 3.83 35.54 0.00 + Ma= 35.54 0.00 Ve= 11.58 Vr= 68.15✓
SZ23	3.40	70.70 20.82 + Mu= 10.56 72.70 0.00 + Ma= 72.70 0.00 Ve= 24.49 Vr= 68.15✓	70.70 -20.82 + Mu= 10.55 72.70 0.00 + Ma= 72.70 0.00 Ve= 24.49 Vr= 68.15✓	34.85 12.38 + Mu= 6.25 35.53 0.00 + Ma= 35.53 0.00 Ve= 12.29 Vr= 68.15✓	34.85 -7.59 + Mu= 3.83 35.53 0.00 + Ma= 35.53 0.00 Ve= 11.58 Vr= 68.15✓
SZ24	3.40	70.33 20.82 + Mu= 10.56 72.40 0.00 + Ma= 72.40 0.00 Ve= 24.40 Vr= 68.15✓	70.33 -20.82 + Mu= 10.56 72.40 0.00 + Ma= 72.40 0.00 Ve= 24.40 Vr= 68.15✓	34.60 13.80 + Mu= 6.97 35.34 0.00 + Ma= 35.34 0.00 Ve= 12.44 Vr= 68.15✓	34.60 -9.34 + Mu= 4.72 35.34 0.00 + Ma= 35.34 0.00 Ve= 11.78 Vr= 68.15✓
S102	2.40	67.89 26.25 + Mu= 13.35 70.21 20.82 + Ma= 10.26 72.29 Ve= 9.83 Vr= 68.15✓	67.89 -26.26 + Mu= 13.35 70.21 -20.82 + Ma= 10.26 72.29 Ve= 9.84 Vr= 68.15✓	33.65 10.21 + Mu= 5.17 34.55 6.90 + Ma= 3.42 35.29 Ve= 3.58 Vr= 68.15✓	33.65 -18.98 + Mu= 9.61 34.55 -13.80 + Ma= 6.83 35.29 Ve= 6.85 Vr= 68.15✓
S103	2.40	68.28 23.88 + Mu= 12.13 70.46 20.82 + Ma= 10.26 72.48 Ve= 9.33 Vr= 68.15✓	68.28 -23.89 + Mu= 12.13 70.46 -20.82 + Ma= 10.26 72.48 Ve= 9.33 Vr= 68.15✓	33.91 8.47 + Mu= 4.29 34.77 7.59 + Ma= 3.76 35.47 Ve= 3.35 Vr= 68.15✓	33.91 -16.45 + Mu= 8.33 34.77 -12.38 + Ma= 6.13 35.47 Ve= 6.02 Vr= 68.15✓
S104	2.40	68.29 23.88 + Mu= 12.12 70.31 20.82 + Ma= 10.25 72.48 Ve= 9.32 Vr= 68.15✓	68.29 -23.89 + Mu= 12.12 70.31 -20.82 + Ma= 10.25 72.48 Ve= 9.32 Vr= 68.15✓	33.91 8.47 + Mu= 4.29 34.77 7.59 + Ma= 3.76 35.47 Ve= 3.35 Vr= 68.15✓	33.91 -16.45 + Mu= 8.33 34.77 -12.38 + Ma= 6.13 35.47 Ve= 6.02 Vr= 68.15✓
S105	2.40	67.90 26.25 + Mu= 13.35 70.22 20.82 + Ma= 10.26 72.30 Ve= 9.83 Vr= 68.15✓	67.90 -26.26 + Mu= 13.35 70.22 -20.82 + Ma= 10.26 72.30 Ve= 9.84 Vr= 68.15✓	33.65 10.21 + Mu= 5.17 34.55 6.90 + Ma= 3.42 35.30 Ve= 3.58 Vr= 68.15✓	33.65 -18.98 + Mu= 9.61 34.55 -13.80 + Ma= 6.83 35.30 Ve= 6.85 Vr= 68.15✓

S107	2.40	33.21 10.23 + Mu= 5.19 34.15 10.22 + Ma= 5.05 34.92 Ve= 4.27 Vr= 68.15✓	33.21 -15.85 + Mu= 8.04 34.15 -10.62 + Ma= 5.25 34.92 Ve= 5.54 Vr= 68.15✓	61.70 26.97 + Mu= 13.71 63.74 19.61 + Ma= 9.64 65.84 Ve= 9.73 Vr= 68.15✓	61.70 -30.18 + Mu= 15.33 63.74 -22.91 + Ma= 11.27 65.84 Ve= 11.08 Vr= 68.15✓
S108	2.40	35.42 22.09 + Mu= 11.13 36.00 20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	35.42 -22.09 + Mu= 11.13 36.00 -20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	74.21 31.44 + Mu= 15.88 75.72 25.67 + Ma= 12.76 76.56 Ve= 11.94 Vr= 68.15✓	74.21 -31.44 + Mu= 15.88 75.72 -25.67 + Ma= 12.76 76.56 Ve= 11.94 Vr= 68.15✓
S109	2.40	35.11 20.23 + Mu= 10.23 35.93 17.79 + Ma= 8.88 36.11 Ve= 7.96 Vr= 68.15✓	35.11 -23.46 + Mu= 11.87 35.93 -21.10 + Ma= 10.52 36.11 Ve= 9.33 Vr= 68.15✓	75.14 29.31 + Mu= 14.77 76.36 25.17 + Ma= 12.57 76.58 Ve= 11.39 Vr= 68.15✓	75.14 -29.31 + Mu= 14.77 76.36 -25.17 + Ma= 12.57 76.58 Ve= 11.39 Vr= 68.15✓
S111	2.40	35.11 23.46 + Mu= 11.87 35.93 21.10 + Ma= 10.52 36.11 Ve= 9.33 Vr= 68.15✓	35.11 -20.23 + Mu= 10.23 35.93 -17.79 + Ma= 8.88 36.11 Ve= 7.96 Vr= 68.15✓	75.15 29.31 + Mu= 14.77 76.36 25.17 + Ma= 12.57 76.58 Ve= 11.39 Vr= 68.15✓	75.15 -29.31 + Mu= 14.77 76.36 -25.17 + Ma= 12.57 76.58 Ve= 11.39 Vr= 68.15✓
S112	2.40	35.42 22.09 + Mu= 11.13 36.01 20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	35.42 -22.09 + Mu= 11.13 36.01 -20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	74.23 31.44 + Mu= 15.88 75.73 25.67 + Ma= 12.77 76.57 Ve= 11.93 Vr= 68.15✓	74.23 -31.44 + Mu= 15.88 75.73 -25.67 + Ma= 12.77 76.57 Ve= 11.93 Vr= 68.15✓
S113	2.40	33.22 15.85 + Mu= 8.04 34.15 10.62 + Ma= 5.25 34.93 Ve= 5.54 Vr= 68.15✓	33.22 -10.23 + Mu= 5.19 34.15 -10.23 + Ma= 5.06 34.93 Ve= 4.27 Vr= 68.15✓	61.73 26.97 + Mu= 13.71 63.77 19.61 + Ma= 9.64 65.88 Ve= 9.73 Vr= 68.15✓	61.73 -30.18 + Mu= 15.33 63.77 -22.91 + Ma= 11.27 65.88 Ve= 11.08 Vr= 68.15✓
S114	2.40	33.16 10.23 + Mu= 5.19 34.11 10.23 + Ma= 5.06 34.89 Ve= 4.27 Vr= 68.15✓	33.16 -15.98 + Mu= 8.10 34.11 -10.62 + Ma= 5.25 34.89 Ve= 5.56 Vr= 68.15✓	61.37 31.14 + Mu= 15.83 63.45 22.91 + Ma= 11.27 65.53 Ve= 11.29 Vr= 68.15✓	61.37 -27.97 + Mu= 14.22 63.45 -19.61 + Ma= 9.64 65.53 Ve= 9.94 Vr= 68.15✓
S115	2.40	35.41 22.09 + Mu= 11.14 36.00 20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	35.41 -22.09 + Mu= 11.14 36.00 -20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	74.14 33.10 + Mu= 16.72 75.68 26.48 + Ma= 13.16 76.54 Ve= 12.45 Vr= 68.15✓	74.14 -33.10 + Mu= 16.72 75.68 -26.48 + Ma= 13.16 76.54 Ve= 12.45 Vr= 68.15✓
S116	2.40	34.79 22.09 + Mu= 11.19 35.70 17.80 + Ma= 8.85 36.10 Ve= 8.35 Vr= 68.15✓	34.79 -25.27 + Mu= 12.80 35.70 -21.10 + Ma= 10.49 36.10 Ve= 9.70 Vr= 68.15✓	74.67 31.44 + Mu= 15.86 76.04 26.23 + Ma= 13.07 76.58 Ve= 12.06 Vr= 68.15✓	74.67 -31.44 + Mu= 15.86 76.04 -26.23 + Ma= 13.07 76.58 Ve= 12.06 Vr= 68.15✓
S117	2.40	34.79 25.27 + Mu= 12.80 35.70 21.10 + Ma= 10.49 36.10 Ve= 9.70 Vr= 68.15✓	34.79 -22.09 + Mu= 11.19 35.70 -17.80 + Ma= 8.85 36.10 Ve= 8.35 Vr= 68.15✓	74.68 31.44 + Mu= 15.86 76.05 26.23 + Ma= 13.07 76.58 Ve= 12.06 Vr= 68.15✓	74.68 -31.44 + Mu= 15.86 76.05 -26.23 + Ma= 13.07 76.58 Ve= 12.06 Vr= 68.15✓
S118	2.40	35.41 22.09 + Mu= 11.14 36.00 20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	35.41 -22.09 + Mu= 11.14 36.00 -20.83 + Ma= 10.40 36.12 Ve= 8.97 Vr= 68.15✓	74.14 33.10 + Mu= 16.72 75.68 26.48 + Ma= 13.16 76.54 Ve= 12.45 Vr= 68.15✓	74.14 -33.10 + Mu= 16.72 75.68 -26.48 + Ma= 13.16 76.54 Ve= 12.45 Vr= 68.15✓
S119	2.40	33.16 15.98 + Mu= 8.10 34.11 10.62 + Ma= 5.25 34.89 Ve= 5.56 Vr= 68.15✓	33.16 -10.23 + Mu= 5.19 34.11 -10.22 + Ma= 5.05 34.89 Ve= 4.27 Vr= 68.15✓	61.37 31.14 + Mu= 15.83 63.44 22.91 + Ma= 11.27 65.53 Ve= 11.29 Vr= 68.15✓	61.37 -27.97 + Mu= 14.22 63.44 -19.61 + Ma= 9.64 65.53 Ve= 9.94 Vr= 68.15✓

S121	2.40	68.01 26.26 + Mu= 13.35 70.33 20.82 + Ma= 10.26 72.40 Ve= 9.84 Vr= 68.15✓	68.01 -26.25 + Mu= 13.34 70.33 -20.82 + Ma= 10.26 72.40 Ve= 9.84 Vr= 68.15✓	33.70 18.98 + Mu= 9.61 34.60 13.80 + Ma= 6.83 35.34 Ve= 6.85 Vr= 68.15✓	33.70 -10.21 + Mu= 5.17 34.60 -9.34 + Ma= 4.62 35.34 Ve= 4.08 Vr= 68.15✓
S122	2.40	68.54 23.89 + Mu= 12.13 70.71 20.82 + Ma= 10.27 72.70 Ve= 9.33 Vr= 68.15✓	68.54 -23.88 + Mu= 12.13 70.71 -20.82 + Ma= 10.27 72.70 Ve= 9.33 Vr= 68.15✓	34.00 16.45 + Mu= 8.33 34.85 12.38 + Ma= 6.13 35.54 Ve= 6.02 Vr= 68.15✓	34.00 -8.47 + Mu= 4.29 34.85 -7.59 + Ma= 3.76 35.54 Ve= 3.35 Vr= 68.15✓
S123	2.40	68.54 23.89 + Mu= 12.13 70.70 20.82 + Ma= 10.27 72.70 Ve= 9.33 Vr= 68.15✓	68.54 -23.88 + Mu= 12.13 70.70 -20.82 + Ma= 10.27 72.70 Ve= 9.33 Vr= 68.15✓	34.00 16.45 + Mu= 8.33 34.85 12.38 + Ma= 6.13 35.53 Ve= 6.02 Vr= 68.15✓	34.00 -8.47 + Mu= 4.29 34.85 -7.59 + Ma= 3.76 35.53 Ve= 3.35 Vr= 68.15✓
S124	2.40	68.01 26.26 + Mu= 13.35 70.33 20.82 + Ma= 10.26 72.40 Ve= 9.84 Vr= 68.15✓	68.01 -26.25 + Mu= 13.34 70.33 -20.82 + Ma= 10.26 72.40 Ve= 9.84 Vr= 68.15✓	33.70 18.98 + Mu= 9.61 34.60 13.80 + Ma= 6.83 35.34 Ve= 6.85 Vr= 68.15✓	33.70 -10.21 + Mu= 5.17 34.60 -9.34 + Ma= 4.62 35.34 Ve= 4.08 Vr= 68.15✓
S202	2.40	65.28 30.21 + Mu= 15.40 67.89 26.25 + Ma= 12.90 70.21 Ve= 11.79 Vr= 68.15✓	65.28 -30.22 + Mu= 15.40 67.89 -26.26 + Ma= 12.91 70.21 Ve= 11.80 Vr= 68.15✓	32.58 11.20 + Mu= 5.69 33.65 10.21 + Ma= 5.04 34.55 Ve= 4.47 Vr= 68.15✓	32.58 -21.02 + Mu= 10.68 33.65 -18.98 + Ma= 9.36 34.55 Ve= 8.35 Vr= 68.15✓
S203	2.40	65.92 28.41 + Mu= 14.45 68.28 23.88 + Ma= 11.75 70.46 Ve= 10.92 Vr= 68.15✓	65.92 -28.41 + Mu= 14.46 68.28 -23.89 + Ma= 11.76 70.46 Ve= 10.92 Vr= 68.15✓	32.90 9.47 + Mu= 4.81 33.91 8.47 + Ma= 4.18 34.77 Ve= 3.75 Vr= 68.15✓	32.90 -18.19 + Mu= 9.23 33.91 -16.45 + Ma= 8.12 34.77 Ve= 7.23 Vr= 68.15✓
S204	2.40	65.92 28.41 + Mu= 14.45 68.29 23.88 + Ma= 11.77 70.31 Ve= 10.93 Vr= 68.15✓	65.92 -28.41 + Mu= 14.46 68.29 -23.89 + Ma= 11.77 70.31 Ve= 10.93 Vr= 68.15✓	32.90 9.47 + Mu= 4.81 33.91 8.47 + Ma= 4.18 34.77 Ve= 3.75 Vr= 68.15✓	32.90 -18.19 + Mu= 9.23 33.91 -16.45 + Ma= 8.12 34.77 Ve= 7.23 Vr= 68.15✓
S205	2.40	65.30 30.21 + Mu= 15.40 67.90 26.25 + Ma= 12.90 70.22 Ve= 11.79 Vr= 68.15✓	65.30 -30.22 + Mu= 15.40 67.90 -26.26 + Ma= 12.91 70.22 Ve= 11.80 Vr= 68.15✓	32.58 11.20 + Mu= 5.69 33.65 10.21 + Ma= 5.04 34.55 Ve= 4.47 Vr= 68.15✓	32.58 -21.02 + Mu= 10.68 33.65 -18.98 + Ma= 9.36 34.55 Ve= 8.35 Vr= 68.15✓
S207	2.40	31.98 10.23 + Mu= 5.21 33.21 10.23 + Ma= 5.04 34.15 Ve= 4.27 Vr= 68.15✓	31.98 -18.21 + Mu= 9.28 33.21 -15.85 + Ma= 7.82 34.15 Ve= 7.12 Vr= 68.15✓	59.49 32.40 + Mu= 16.49 61.70 26.97 + Ma= 13.27 63.74 Ve= 12.40 Vr= 68.15✓	59.49 -35.50 + Mu= 18.07 61.70 -30.18 + Ma= 14.84 63.74 Ve= 13.71 Vr= 68.15✓
S208	2.40	34.42 23.90 + Mu= 12.12 35.42 22.09 + Ma= 10.95 36.00 Ve= 9.61 Vr= 68.15✓	34.42 -23.90 + Mu= 12.12 35.42 -22.09 + Ma= 10.95 36.00 Ve= 9.61 Vr= 68.15✓	72.06 34.86 + Mu= 17.68 74.21 31.44 + Ma= 15.56 75.72 Ve= 13.85 Vr= 68.15✓	72.06 -34.86 + Mu= 17.68 74.21 -31.44 + Ma= 15.56 75.72 Ve= 13.85 Vr= 68.15✓
S209	2.40	33.99 26.27 + Mu= 13.35 35.11 20.23 + Ma= 10.00 35.93 Ve= 9.73 Vr= 68.15✓	33.99 -29.37 + Mu= 14.92 35.11 -23.46 + Ma= 11.60 35.93 Ve= 11.05 Vr= 68.15✓	73.35 33.10 + Mu= 16.75 75.14 29.31 + Ma= 14.54 76.36 Ve= 13.04 Vr= 68.15✓	73.35 -33.10 + Mu= 16.75 75.14 -29.31 + Ma= 14.54 76.36 Ve= 13.04 Vr= 68.15✓
S211	2.40	34.00 29.37 + Mu= 14.92 35.11 23.46 + Ma= 11.60 35.93 Ve= 11.05 Vr= 68.15✓	34.00 -26.27 + Mu= 13.35 35.11 -20.23 + Ma= 10.00 35.93 Ve= 9.73 Vr= 68.15✓	73.36 33.10 + Mu= 16.75 75.15 29.31 + Ma= 14.54 76.36 Ve= 13.04 Vr= 68.15✓	73.36 -33.10 + Mu= 16.75 75.15 -29.31 + Ma= 14.54 76.36 Ve= 13.04 Vr= 68.15✓

S212	2.40	34.43 23.90 + Mu= 12.12 35.42 22.09 + Ma= 10.95 36.01 Ve= 9.61 Vr= 68.15✓	34.43 -23.90 + Mu= 12.12 35.42 -22.09 + Ma= 10.95 36.01 Ve= 9.61 Vr= 68.15✓	72.09 34.86 + Mu= 17.68 74.23 31.44 + Ma= 15.56 75.73 Ve= 13.85 Vr= 68.15✓	72.09 -34.86 + Mu= 17.68 74.23 -31.44 + Ma= 15.56 75.73 Ve= 13.85 Vr= 68.15✓
S213	2.40	31.98 18.21 + Mu= 9.28 33.22 15.85 + Ma= 7.81 34.15 Ve= 7.12 Vr= 68.15✓	31.98 -10.24 + Mu= 5.22 33.22 -10.23 + Ma= 5.04 34.15 Ve= 4.27 Vr= 68.15✓	59.52 32.40 + Mu= 16.49 61.73 26.97 + Ma= 13.27 63.77 Ve= 12.40 Vr= 68.15✓	59.52 -35.50 + Mu= 18.07 61.73 -30.18 + Ma= 14.84 63.77 Ve= 13.72 Vr= 68.15✓
S214	2.40	31.91 10.24 + Mu= 5.22 33.16 10.23 + Ma= 5.04 34.11 Ve= 4.28 Vr= 68.15✓	31.91 -20.39 + Mu= 10.39 33.16 -15.98 + Ma= 7.88 34.11 Ve= 7.61 Vr= 68.15✓	59.19 39.51 + Mu= 20.11 61.37 31.14 + Ma= 15.31 63.45 Ve= 14.76 Vr= 68.15✓	59.19 -36.46 + Mu= 18.56 61.37 -27.97 + Ma= 13.75 63.45 Ve= 13.46 Vr= 68.15✓
S215	2.40	34.41 26.78 + Mu= 13.58 35.41 22.09 + Ma= 10.95 36.00 Ve= 10.22 Vr= 68.15✓	34.41 -26.78 + Mu= 13.58 35.41 -22.09 + Ma= 10.95 36.00 Ve= 10.22 Vr= 68.15✓	71.97 36.47 + Mu= 18.51 74.14 33.10 + Ma= 16.38 75.68 Ve= 14.54 Vr= 68.15✓	71.97 -36.47 + Mu= 18.51 74.14 -33.10 + Ma= 16.38 75.68 Ve= 14.54 Vr= 68.15✓
S216	2.40	33.65 28.57 + Mu= 14.52 34.79 22.09 + Ma= 10.90 35.70 Ve= 10.59 Vr= 68.15✓	33.65 -31.62 + Mu= 16.07 34.79 -25.27 + Ma= 12.47 35.70 Ve= 11.89 Vr= 68.15✓	72.68 36.19 + Mu= 18.34 74.67 31.44 + Ma= 15.58 76.04 Ve= 14.13 Vr= 68.15✓	72.68 -36.19 + Mu= 18.34 74.67 -31.44 + Ma= 15.58 76.04 Ve= 14.13 Vr= 68.15✓
S217	2.40	33.66 31.62 + Mu= 16.07 34.79 25.27 + Ma= 12.47 35.70 Ve= 11.89 Vr= 68.15✓	33.66 -28.57 + Mu= 14.52 34.79 -22.09 + Ma= 10.90 35.70 Ve= 10.59 Vr= 68.15✓	72.69 36.19 + Mu= 18.34 74.68 31.44 + Ma= 15.58 76.05 Ve= 14.13 Vr= 68.15✓	72.69 -36.19 + Mu= 18.34 74.68 -31.44 + Ma= 15.58 76.05 Ve= 14.13 Vr= 68.15✓
S218	2.40	34.42 26.78 + Mu= 13.58 35.41 22.09 + Ma= 10.95 36.00 Ve= 10.22 Vr= 68.15✓	34.42 -26.78 + Mu= 13.58 35.41 -22.09 + Ma= 10.95 36.00 Ve= 10.22 Vr= 68.15✓	71.98 36.47 + Mu= 18.51 74.14 33.10 + Ma= 16.38 75.68 Ve= 14.54 Vr= 68.15✓	71.98 -36.47 + Mu= 18.51 74.14 -33.10 + Ma= 16.38 75.68 Ve= 14.54 Vr= 68.15✓
S219	2.40	31.91 20.39 + Mu= 10.39 33.16 15.98 + Ma= 7.88 34.11 Ve= 7.61 Vr= 68.15✓	31.91 -10.24 + Mu= 5.22 33.16 -10.23 + Ma= 5.04 34.11 Ve= 4.28 Vr= 68.15✓	59.18 39.51 + Mu= 20.11 61.37 31.14 + Ma= 15.31 63.44 Ve= 14.76 Vr= 68.15✓	59.18 -36.46 + Mu= 18.56 61.37 -27.97 + Ma= 13.75 63.44 Ve= 13.46 Vr= 68.15✓
S221	2.40	65.40 30.22 + Mu= 15.41 68.01 26.26 + Ma= 12.91 70.33 Ve= 11.80 Vr= 68.15✓	65.40 -30.21 + Mu= 15.40 68.01 -26.25 + Ma= 12.90 70.33 Ve= 11.79 Vr= 68.15✓	32.63 21.02 + Mu= 10.68 33.70 18.98 + Ma= 9.36 34.60 Ve= 8.35 Vr= 68.15✓	32.63 -11.20 + Mu= 5.69 33.70 -10.21 + Ma= 5.04 34.60 Ve= 4.47 Vr= 68.15✓
S222	2.40	66.15 29.26 + Mu= 14.89 68.54 23.89 + Ma= 11.76 70.71 Ve= 11.10 Vr= 68.15✓	66.15 -29.25 + Mu= 14.88 68.54 -23.88 + Ma= 11.76 70.71 Ve= 11.10 Vr= 68.15✓	32.98 18.19 + Mu= 9.23 34.00 16.45 + Ma= 8.13 34.85 Ve= 7.23 Vr= 68.15✓	32.98 -9.47 + Mu= 4.81 34.00 -8.47 + Ma= 4.18 34.85 Ve= 3.75 Vr= 68.15✓
S223	2.40	66.14 29.26 + Mu= 14.89 68.54 23.89 + Ma= 11.76 70.70 Ve= 11.10 Vr= 68.15✓	66.14 -29.25 + Mu= 14.88 68.54 -23.88 + Ma= 11.76 70.70 Ve= 11.10 Vr= 68.15✓	32.98 18.19 + Mu= 9.23 34.00 16.45 + Ma= 8.13 34.85 Ve= 7.23 Vr= 68.15✓	32.98 -9.47 + Mu= 4.81 34.00 -8.47 + Ma= 4.18 34.85 Ve= 3.75 Vr= 68.15✓
S224	2.40	65.39 30.22 + Mu= 15.41 68.01 26.26 + Ma= 12.91 70.33 Ve= 11.80 Vr= 68.15✓	65.39 -30.21 + Mu= 15.40 68.01 -26.25 + Ma= 12.90 70.33 Ve= 11.79 Vr= 68.15✓	32.63 21.02 + Mu= 10.68 33.70 18.98 + Ma= 9.36 34.60 Ve= 8.35 Vr= 68.15✓	32.63 -11.20 + Mu= 5.69 33.70 -10.21 + Ma= 5.04 34.60 Ve= 4.47 Vr= 68.15✓

S302	2.40	44.03 34.84 + Mu= 20.80 65.28 30.21 + Ma= 14.81 67.89 Ve= 14.84 Vr= 68.15✓	44.03 -34.85 + Mu= 20.81 65.28 -30.22 + Ma= 14.81 67.89 Ve= 14.84 Vr= 68.15✓	21.82 12.31 + Mu= 7.37 32.58 11.20 + Ma= 5.51 33.65 Ve= 5.37 Vr= 68.15✓	21.82 -23.24 + Mu= 13.92 32.58 -21.02 + Ma= 10.34 33.65 Ve= 10.11 Vr= 68.15✓
S303	2.40	44.66 31.61 + Mu= 18.84 65.92 28.41 + Ma= 13.95 68.28 Ve= 13.66 Vr= 68.15✓	44.66 -31.61 + Mu= 18.84 65.92 -28.41 + Ma= 13.96 68.28 Ve= 13.67 Vr= 68.15✓	22.09 9.47 + Mu= 5.67 32.90 9.47 + Ma= 4.67 33.91 Ve= 4.31 Vr= 68.15✓	22.09 -18.67 + Mu= 11.17 32.90 -18.19 + Ma= 8.95 33.91 Ve= 8.39 Vr= 68.15✓
S304	2.40	44.66 31.61 + Mu= 18.84 65.92 28.41 + Ma= 13.95 68.29 Ve= 13.66 Vr= 68.15✓	44.66 -31.61 + Mu= 18.84 65.92 -28.41 + Ma= 13.96 68.29 Ve= 13.67 Vr= 68.15✓	22.09 9.47 + Mu= 5.67 32.90 9.47 + Ma= 4.67 33.91 Ve= 4.31 Vr= 68.15✓	22.09 -18.67 + Mu= 11.17 32.90 -18.19 + Ma= 8.95 33.91 Ve= 8.39 Vr= 68.15✓
S305	2.40	44.04 34.84 + Mu= 20.80 65.30 30.21 + Ma= 14.81 67.90 Ve= 14.84 Vr= 68.15✓	44.04 -34.85 + Mu= 20.81 65.30 -30.22 + Ma= 14.81 67.90 Ve= 14.84 Vr= 68.15✓	21.83 12.31 + Mu= 7.37 32.58 11.20 + Ma= 5.51 33.65 Ve= 5.37 Vr= 68.15✓	21.83 -23.24 + Mu= 13.92 32.58 -21.02 + Ma= 10.34 33.65 Ve= 10.11 Vr= 68.15✓
S307	2.40	21.48 10.24 + Mu= 6.12 31.98 10.23 + Ma= 5.02 33.21 Ve= 4.64 Vr= 68.15✓	21.48 -18.09 + Mu= 10.82 31.98 -18.21 + Ma= 8.93 33.21 Ve= 8.23 Vr= 68.15✓	40.19 36.34 + Mu= 21.69 59.49 32.40 + Ma= 15.90 61.70 Ve= 15.66 Vr= 68.15✓	40.19 -39.39 + Mu= 23.51 59.49 -35.50 + Ma= 17.43 61.70 Ve= 17.06 Vr= 68.15✓
S308	2.40	23.07 24.42 + Mu= 14.62 34.42 23.90 + Ma= 11.78 35.42 Ve= 11.00 Vr= 68.15✓	23.07 -24.42 + Mu= 14.62 34.42 -23.90 + Ma= 11.78 35.42 Ve= 11.00 Vr= 68.15✓	48.34 37.70 + Mu= 22.57 72.06 34.86 + Ma= 17.17 74.21 Ve= 16.56 Vr= 68.15✓	48.34 -37.70 + Mu= 22.57 72.06 -34.86 + Ma= 17.17 74.21 Ve= 16.56 Vr= 68.15✓
S309	2.40	22.77 28.57 + Mu= 17.11 33.99 26.27 + Ma= 12.92 35.11 Ve= 12.51 Vr= 68.15✓	22.77 -31.62 + Mu= 18.93 33.99 -29.37 + Ma= 14.45 35.11 Ve= 13.91 Vr= 68.15✓	49.12 34.21 + Mu= 20.49 73.35 33.10 + Ma= 16.35 75.14 Ve= 15.35 Vr= 68.15✓	49.12 -34.21 + Mu= 20.49 73.35 -33.10 + Ma= 16.35 75.14 Ve= 15.35 Vr= 68.15✓
S311	2.40	22.77 31.62 + Mu= 18.93 34.00 29.37 + Ma= 14.45 35.11 Ve= 13.91 Vr= 68.15✓	22.77 -28.57 + Mu= 17.11 34.00 -26.27 + Ma= 12.92 35.11 Ve= 12.51 Vr= 68.15✓	49.13 34.21 + Mu= 20.49 73.36 33.10 + Ma= 16.35 75.15 Ve= 15.35 Vr= 68.15✓	49.13 -34.21 + Mu= 20.49 73.36 -33.10 + Ma= 16.35 75.15 Ve= 15.35 Vr= 68.15✓
S312	2.40	23.07 24.42 + Mu= 14.62 34.43 23.90 + Ma= 11.78 35.42 Ve= 11.00 Vr= 68.15✓	23.07 -24.42 + Mu= 14.62 34.43 -23.90 + Ma= 11.78 35.42 Ve= 11.00 Vr= 68.15✓	48.35 37.70 + Mu= 22.57 72.09 34.86 + Ma= 17.17 74.23 Ve= 16.56 Vr= 68.15✓	48.35 -37.70 + Mu= 22.57 72.09 -34.86 + Ma= 17.17 74.23 Ve= 16.56 Vr= 68.15✓
S313	2.40	21.48 18.09 + Mu= 10.82 31.98 18.21 + Ma= 8.93 33.22 Ve= 8.23 Vr= 68.15✓	21.48 -10.24 + Mu= 6.12 31.98 -10.24 + Ma= 5.02 33.22 Ve= 4.64 Vr= 68.15✓	40.21 36.34 + Mu= 21.69 59.52 32.40 + Ma= 15.90 61.73 Ve= 15.66 Vr= 68.15✓	40.21 -39.39 + Mu= 23.51 59.52 -35.50 + Ma= 17.43 61.73 Ve= 17.06 Vr= 68.15✓
S314	2.40	21.44 10.24 + Mu= 6.13 31.91 10.24 + Ma= 5.02 33.16 Ve= 4.64 Vr= 68.15✓	21.44 -18.09 + Mu= 10.82 31.91 -20.39 + Ma= 10.00 33.16 Ve= 8.68 Vr= 68.15✓	39.98 41.44 + Mu= 24.73 59.19 39.51 + Ma= 19.40 61.37 Ve= 18.39 Vr= 68.15✓	39.98 -38.47 + Mu= 22.96 59.19 -36.46 + Ma= 17.90 61.37 Ve= 17.02 Vr= 68.15✓
S315	2.40	23.06 25.56 + Mu= 15.31 34.41 26.78 + Ma= 13.20 35.41 Ve= 11.88 Vr= 68.15✓	23.06 -25.56 + Mu= 15.31 34.41 -26.78 + Ma= 13.20 35.41 Ve= 11.88 Vr= 68.15✓	48.28 39.48 + Mu= 23.63 71.97 36.47 + Ma= 17.96 74.14 Ve= 17.33 Vr= 68.15✓	48.28 -39.48 + Mu= 23.63 71.97 -36.47 + Ma= 17.96 74.14 Ve= 17.33 Vr= 68.15✓

S316	2.40	22.53 30.70 † Mu= 18.39 33.65 28.57 † Ma= 14.05 34.79 Ve= 13.51 Vr= 68.15✓	22.53 -33.67 † Mu= 20.17 33.65 -31.62 † Ma= 15.55 34.79 Ve= 14.88 Vr= 68.15✓	48.67 36.19 † Mu= 21.67 72.68 36.19 † Ma= 17.85 74.67 Ve= 16.47 Vr= 68.15✓	48.67 -36.19 † Mu= 21.67 72.68 -36.19 † Ma= 17.85 74.67 Ve= 16.47 Vr= 68.15✓
S317	2.40	22.53 33.67 † Mu= 20.17 33.66 31.62 † Ma= 15.55 34.79 Ve= 14.88 Vr= 68.15✓	22.53 -30.70 † Mu= 18.39 33.66 -28.57 † Ma= 14.05 34.79 Ve= 13.51 Vr= 68.15✓	48.68 36.19 † Mu= 21.67 72.69 36.19 † Ma= 17.85 74.68 Ve= 16.47 Vr= 68.15✓	48.68 -36.19 † Mu= 21.67 72.69 -36.19 † Ma= 17.85 74.68 Ve= 16.47 Vr= 68.15✓
S318	2.40	23.07 25.56 † Mu= 15.31 34.42 26.78 † Ma= 13.20 35.41 Ve= 11.88 Vr= 68.15✓	23.07 -25.56 † Mu= 15.31 34.42 -26.78 † Ma= 13.20 35.41 Ve= 11.88 Vr= 68.15✓	48.29 39.48 † Mu= 23.63 71.98 36.47 † Ma= 17.96 74.14 Ve= 17.33 Vr= 68.15✓	48.29 -39.48 † Mu= 23.63 71.98 -36.47 † Ma= 17.96 74.14 Ve= 17.33 Vr= 68.15✓
S319	2.40	21.44 18.10 † Mu= 10.82 31.91 20.39 † Ma= 10.00 33.16 Ve= 8.68 Vr= 68.15✓	21.44 -10.24 † Mu= 6.12 31.91 -10.24 † Ma= 5.02 33.16 Ve= 4.64 Vr= 68.15✓	39.98 41.44 † Mu= 24.73 59.18 39.51 † Ma= 19.40 61.37 Ve= 18.39 Vr= 68.15✓	39.98 -38.47 † Mu= 22.96 59.18 -36.46 † Ma= 17.90 61.37 Ve= 17.02 Vr= 68.15✓
S321	2.40	44.11 34.85 † Mu= 20.81 65.40 30.22 † Ma= 14.81 68.01 Ve= 14.84 Vr= 68.15✓	44.11 -34.84 † Mu= 20.80 65.40 -30.21 † Ma= 14.81 68.01 Ve= 14.84 Vr= 68.15✓	21.85 23.24 † Mu= 13.92 32.63 21.02 † Ma= 10.34 33.70 Ve= 10.11 Vr= 68.15✓	21.85 -12.31 † Mu= 7.37 32.63 -11.20 † Ma= 5.51 33.70 Ve= 5.37 Vr= 68.15✓
S322	2.40	44.85 31.61 † Mu= 18.84 66.15 29.26 † Ma= 14.37 68.54 Ve= 13.84 Vr= 68.15✓	44.85 -31.61 † Mu= 18.84 66.15 -29.25 † Ma= 14.36 68.54 Ve= 13.83 Vr= 68.15✓	22.16 18.67 † Mu= 11.17 32.98 18.19 † Ma= 8.96 34.00 Ve= 8.39 Vr= 68.15✓	22.16 -10.61 † Mu= 6.34 32.98 -9.47 † Ma= 4.67 34.00 Ve= 4.59 Vr= 68.15✓
S323	2.40	44.84 31.61 † Mu= 18.84 66.14 29.26 † Ma= 14.37 68.54 Ve= 13.84 Vr= 68.15✓	44.84 -31.61 † Mu= 18.84 66.14 -29.25 † Ma= 14.36 68.54 Ve= 13.83 Vr= 68.15✓	22.16 18.67 † Mu= 11.17 32.98 18.19 † Ma= 8.96 34.00 Ve= 8.39 Vr= 68.15✓	22.16 -10.61 † Mu= 6.34 32.98 -9.47 † Ma= 4.67 34.00 Ve= 4.59 Vr= 68.15✓
S324	2.40	44.11 34.85 † Mu= 20.81 65.39 30.22 † Ma= 14.81 68.01 Ve= 14.84 Vr= 68.15✓	44.11 -34.84 † Mu= 20.80 65.39 -30.21 † Ma= 14.81 68.01 Ve= 14.84 Vr= 68.15✓	21.85 23.24 † Mu= 13.92 32.63 21.02 † Ma= 10.34 33.70 Ve= 10.11 Vr= 68.15✓	21.85 -12.31 † Mu= 7.37 32.63 -11.20 † Ma= 5.51 33.70 Ve= 5.37 Vr= 68.15✓
S402	2.40	41.75 36.56 † Mu= 18.77 44.03 34.84 † Ma= 14.03 65.28 Ve= 13.67 Vr= 57.00✓	41.75 -36.57 † Mu= 18.77 44.03 -34.85 † Ma= 14.04 65.28 Ve= 13.67 Vr= 57.00✓	20.77 11.86 † Mu= 6.07 21.82 12.31 † Ma= 4.94 32.58 Ve= 4.59 Vr= 50.57✓	20.77 -20.36 † Mu= 10.43 21.82 -23.24 † Ma= 9.32 32.58 Ve= 8.23 Vr= 50.57✓
S403	2.40	42.46 31.61 † Mu= 16.20 44.66 31.61 † Ma= 12.77 65.92 Ve= 12.07 Vr= 57.00✓	42.46 -31.61 † Mu= 16.20 44.66 -31.61 † Ma= 12.77 65.92 Ve= 12.07 Vr= 57.00✓	21.12 9.34 † Mu= 4.78 22.09 9.47 † Ma= 3.81 32.90 Ve= 3.58 Vr= 50.57✓	21.12 -17.26 † Mu= 8.83 22.09 -18.67 † Ma= 7.50 32.90 Ve= 6.80 Vr= 50.57✓
S404	2.40	42.46 31.61 † Mu= 16.20 44.66 31.61 † Ma= 12.77 65.92 Ve= 12.07 Vr= 57.00✓	42.46 -31.61 † Mu= 16.20 44.66 -31.61 † Ma= 12.77 65.92 Ve= 12.07 Vr= 57.00✓	21.12 9.34 † Mu= 4.78 22.09 9.47 † Ma= 3.81 32.90 Ve= 3.58 Vr= 50.57✓	21.12 -17.26 † Mu= 8.83 22.09 -18.67 † Ma= 7.50 32.90 Ve= 6.80 Vr= 50.57✓
S405	2.40	41.76 36.56 † Mu= 18.77 44.04 34.84 † Ma= 14.03 65.30 Ve= 13.67 Vr= 57.00✓	41.76 -36.57 † Mu= 18.77 44.04 -34.85 † Ma= 14.04 65.30 Ve= 13.67 Vr= 57.00✓	20.77 11.86 † Mu= 6.07 21.83 12.31 † Ma= 4.94 32.58 Ve= 4.59 Vr= 50.57✓	20.77 -20.36 † Mu= 10.43 21.83 -23.24 † Ma= 9.32 32.58 Ve= 8.23 Vr= 50.57✓

S407	2.40	20.28 10.24 + Mu= 5.27 21.48 10.24 + Ma= 4.11 31.98 Ve= 3.91 Vr= 50.57✓	20.28 -20.40 + Mu= 10.49 21.48 -18.09 + Ma= 7.27 31.98 Ve= 7.40 Vr= 50.57✓	38.52 38.47 + Mu= 19.64 40.19 36.34 + Ma= 14.65 59.49 Ve= 14.29 Vr= 57.00✓	38.52 -41.44 + Mu= 21.16 40.19 -39.39 + Ma= 15.88 59.49 Ve= 15.43 Vr= 57.00✓
S408	2.40	22.18 20.15 + Mu= 10.27 23.07 24.42 + Ma= 9.80 34.42 Ve= 8.36 Vr= 50.57✓	22.18 -23.46 + Mu= 11.96 23.07 -24.42 + Ma= 9.80 34.42 Ve= 9.07 Vr= 50.57✓	46.41 39.48 + Mu= 20.14 48.34 37.70 + Ma= 15.14 72.06 Ve= 14.70 Vr= 57.00✓	46.41 -39.48 + Mu= 20.14 48.34 -37.70 + Ma= 15.14 72.06 Ve= 14.70 Vr= 57.00✓
S409	2.40	21.79 31.53 + Mu= 16.11 22.77 28.57 + Ma= 11.46 33.99 Ve= 11.49 Vr= 50.57✓	21.79 -31.53 + Mu= 16.11 22.77 -31.62 + Ma= 12.68 33.99 Ve= 12.00 Vr= 50.57✓	47.22 35.55 + Mu= 18.13 49.12 34.21 + Ma= 13.72 73.35 Ve= 13.27 Vr= 57.00✓	47.22 -33.85 + Mu= 17.26 49.12 -34.21 + Ma= 13.72 73.35 Ve= 12.91 Vr= 57.00✓
S411	2.40	21.80 31.53 + Mu= 16.11 22.77 31.62 + Ma= 12.68 34.00 Ve= 12.00 Vr= 50.57✓	21.80 -31.53 + Mu= 16.11 22.77 -28.57 + Ma= 11.46 34.00 Ve= 11.49 Vr= 50.57✓	47.22 35.55 + Mu= 18.13 49.13 34.21 + Ma= 13.72 73.36 Ve= 13.27 Vr= 57.00✓	47.22 -33.85 + Mu= 17.26 49.13 -34.21 + Ma= 13.72 73.36 Ve= 12.91 Vr= 57.00✓
S412	2.40	22.19 23.46 + Mu= 11.96 23.07 24.42 + Ma= 9.80 34.43 Ve= 9.07 Vr= 50.57✓	22.19 -20.15 + Mu= 10.27 23.07 -24.42 + Ma= 9.80 34.43 Ve= 8.36 Vr= 50.57✓	46.42 41.32 + Mu= 21.08 48.35 37.70 + Ma= 15.14 72.09 Ve= 15.09 Vr= 57.00✓	46.42 -39.70 + Mu= 20.26 48.35 -37.70 + Ma= 15.14 72.09 Ve= 14.75 Vr= 57.00✓
S413	2.40	20.28 20.39 + Mu= 10.49 21.48 18.09 + Ma= 7.27 31.98 Ve= 7.40 Vr= 50.57✓	20.28 -10.24 + Mu= 5.27 21.48 -10.24 + Ma= 4.11 31.98 Ve= 3.91 Vr= 50.57✓	38.53 38.47 + Mu= 19.64 40.21 36.34 + Ma= 14.65 59.52 Ve= 14.29 Vr= 57.00✓	38.53 -41.44 + Mu= 21.16 40.21 -39.39 + Ma= 15.88 59.52 Ve= 15.43 Vr= 57.00✓
S414	2.40	20.22 10.24 + Mu= 5.27 21.44 10.24 + Ma= 4.11 31.91 Ve= 3.91 Vr= 50.57✓	20.22 -20.45 + Mu= 10.53 21.44 -18.09 + Ma= 7.27 31.91 Ve= 7.41 Vr= 50.57✓	38.33 41.44 + Mu= 21.16 39.98 41.44 + Ma= 16.71 59.19 Ve= 15.78 Vr= 57.00✓	38.33 -38.47 + Mu= 19.64 39.98 -38.47 + Ma= 15.51 59.19 Ve= 14.64 Vr= 57.00✓
S415	2.40	22.18 22.79 + Mu= 11.62 23.06 25.56 + Ma= 10.26 34.41 Ve= 9.11 Vr= 50.57✓	22.18 -26.02 + Mu= 13.26 23.06 -25.56 + Ma= 10.26 34.41 Ve= 9.80 Vr= 50.57✓	46.34 41.29 + Mu= 21.07 48.28 39.48 + Ma= 15.85 71.97 Ve= 15.38 Vr= 57.00✓	46.34 -42.91 + Mu= 21.89 48.28 -39.48 + Ma= 15.85 71.97 Ve= 15.73 Vr= 57.00✓
S416	2.40	21.56 36.16 + Mu= 18.47 22.53 30.70 + Ma= 12.31 33.65 Ve= 12.83 Vr= 50.57✓	21.56 -37.73 + Mu= 22.53 22.53 -33.67 + Ma= 13.50 33.65 Ve= 15.01 Vr= 50.57✓	46.73 37.04 + Mu= 18.89 48.67 36.19 + Ma= 14.51 72.68 Ve= 13.92 Vr= 57.00✓	46.73 -38.72 + Mu= 19.75 48.67 -36.19 + Ma= 14.51 72.68 Ve= 14.28 Vr= 57.00✓
S417	2.40	21.57 37.73 + Mu= 22.53 22.53 33.67 + Ma= 13.50 33.66 Ve= 15.01 Vr= 50.57✓	21.57 -36.16 + Mu= 18.47 22.53 -30.70 + Ma= 12.31 33.66 Ve= 12.83 Vr= 50.57✓	46.74 37.04 + Mu= 18.89 48.68 36.19 + Ma= 14.51 72.69 Ve= 13.92 Vr= 57.00✓	46.74 -38.72 + Mu= 19.75 48.68 -36.19 + Ma= 14.51 72.69 Ve= 14.28 Vr= 57.00✓
S418	2.40	22.18 26.02 + Mu= 13.26 23.07 25.56 + Ma= 10.26 34.42 Ve= 9.80 Vr= 50.57✓	22.18 -22.79 + Mu= 11.62 23.07 -25.56 + Ma= 10.26 34.42 Ve= 9.11 Vr= 50.57✓	46.35 41.29 + Mu= 21.07 48.29 39.48 + Ma= 15.85 71.98 Ve= 15.38 Vr= 57.00✓	46.35 -42.91 + Mu= 21.89 48.29 -39.48 + Ma= 15.85 71.98 Ve= 15.73 Vr= 57.00✓
S419	2.40	20.22 20.46 + Mu= 10.53 21.44 18.10 + Ma= 7.27 31.91 Ve= 7.42 Vr= 50.57✓	20.22 -10.24 + Mu= 5.27 21.44 -10.24 + Ma= 4.11 31.91 Ve= 3.91 Vr= 50.57✓	38.32 41.44 + Mu= 21.16 39.98 41.44 + Ma= 16.71 59.18 Ve= 15.78 Vr= 57.00✓	38.32 -38.47 + Mu= 19.64 39.98 -38.47 + Ma= 15.51 59.18 Ve= 14.64 Vr= 57.00✓

S421	2.40	41.81 36.57 + Mu= 18.77 44.11 34.85 + Ma= 14.04 65.40 Ve= 13.67 Vr= 57.00✓	41.81 -36.56 + Mu= 18.77 44.11 -34.84 + Ma= 14.03 65.40 Ve= 13.67 Vr= 57.00✓	20.80 22.37 + Mu= 11.46 21.85 23.24 + Ma= 9.32 32.63 Ve= 8.66 Vr= 50.57✓	20.80 -11.86 + Mu= 6.07 21.85 -12.31 + Ma= 4.94 32.63 Ve= 4.59 Vr= 50.57✓
S422	2.40	42.64 31.61 + Mu= 16.21 44.85 31.61 + Ma= 12.77 66.15 Ve= 12.07 Vr= 57.00✓	42.64 -31.61 + Mu= 16.20 44.85 -31.61 + Ma= 12.77 66.15 Ve= 12.07 Vr= 57.00✓	21.19 17.51 + Mu= 8.95 22.16 18.67 + Ma= 7.50 32.98 Ve= 6.86 Vr= 50.57✓	21.19 -9.47 + Mu= 4.84 22.16 -10.61 + Ma= 4.26 32.98 Ve= 3.79 Vr= 50.57✓
S423	2.40	42.63 31.61 + Mu= 16.21 44.84 31.61 + Ma= 12.77 66.14 Ve= 12.07 Vr= 57.00✓	42.63 -31.61 + Mu= 16.20 44.84 -31.61 + Ma= 12.77 66.14 Ve= 12.07 Vr= 57.00✓	21.19 17.51 + Mu= 8.95 22.16 18.67 + Ma= 7.50 32.98 Ve= 6.86 Vr= 50.57✓	21.19 -9.47 + Mu= 4.84 22.16 -10.61 + Ma= 4.26 32.98 Ve= 3.79 Vr= 50.57✓
S424	2.40	41.81 36.57 + Mu= 18.77 44.11 34.85 + Ma= 14.04 65.39 Ve= 13.67 Vr= 57.00✓	41.81 -36.56 + Mu= 18.77 44.11 -34.84 + Ma= 14.03 65.39 Ve= 13.67 Vr= 57.00✓	20.80 22.37 + Mu= 11.46 21.85 23.24 + Ma= 9.32 32.63 Ve= 8.66 Vr= 50.57✓	20.80 -11.86 + Mu= 6.07 21.85 -12.31 + Ma= 4.94 32.63 Ve= 4.59 Vr= 50.57✓



PERDELERİN KESME GÜVENLİK KONTROLÜ

$$V_r = A_{ch} (0.65 f_{ctd} + r_{sh} f_{yd})$$

$$V_{rh} = 0.22 f_{od} A_{ch}$$

$$r_{shx} = A_{sws} \cdot (\sum L_{etrx}/s) / A_{ch}$$

$$V_{fr} = \mu N + f_{yd} A_{sd} =$$

$$N = N_g - N_e$$

$$\mu = 1.4 \text{ (özel pürüzlendirme)}$$

Perde Kesme Dayanımı

Max. Beton Kesme Dayanımı

$$r_{shy} = A_{sws} \cdot (\sum L_{etry}/s) / A_{ch}$$

İş Derzi Sürtümme Kesme Dayanımı

Min. Düşey Yük

Kolon		N	V _d	V _r	V _{rh}	V _{fr}	ACIKLAMA
SZ01	X yönü	265.177	74.760	359.390	602.800	914.742	✓
	Y yönü	218.900	55.748	333.014	602.800	849.954	✓
SZ06	X yönü	265.111	74.781	359.390	602.800	921.994	✓
	Y yönü	218.892	55.758	333.014	602.800	857.287	✓
SZ10	X yönü	1190.480	243.446	824.414	1584.000	2525.980	✓
	Y yönü	1189.551	325.395	968.909	1584.000	2524.680	✓
SZ20	X yönü	271.684	76.537	359.390	602.800	923.851	✓
	Y yönü	224.226	56.320	333.014	602.800	857.410	✓
SZ25	X yönü	271.649	76.568	359.390	602.800	923.803	✓
	Y yönü	224.191	56.335	333.014	602.800	857.361	✓
S101	X yönü	234.561	63.368	359.390	602.800	634.100	✓
	Y yönü	191.788	39.340	333.014	602.800	574.219	✓
S106	X yönü	234.495	63.423	359.390	602.800	638.140	✓
	Y yönü	191.773	39.350	333.014	602.800	578.329	✓
S110	X yönü	1069.201	225.115	824.414	1584.000	2277.695	✓
	Y yönü	1068.302	331.888	968.909	1584.000	2276.436	✓
S120	X yönü	240.746	64.632	359.390	602.800	642.759	✓
	Y yönü	196.898	40.447	333.014	602.800	581.373	✓
S125	X yönü	240.712	64.715	359.390	602.800	642.712	✓
	Y yönü	196.864	40.468	333.014	602.800	581.325	✓
S201	X yönü	209.818	58.223	359.390	602.800	599.460	✓
	Y yönü	171.839	39.457	333.014	602.800	546.291	✓
S206	X yönü	209.754	58.288	359.390	602.800	599.371	✓
	Y yönü	171.817	39.458	333.014	602.800	546.259	✓
S210	X yönü	958.851	201.014	824.414	1584.000	2123.205	✓
	Y yönü	958.002	293.859	968.909	1584.000	2122.016	✓
S220	X yönü	215.501	59.087	359.390	602.800	607.417	✓
	Y yönü	176.593	40.739	333.014	602.800	552.946	✓
S225	X yönü	215.469	59.178	359.390	602.800	607.372	✓
	Y yönü	176.561	40.752	333.014	602.800	532.901	✓
S301	X yönü	185.505	50.003	359.390	602.800	565.422	✓
	Y yönü	153.103	35.618	333.014	602.800	520.060	✓
S306	X yönü	185.444	50.077	359.390	602.800	565.337	✓
	Y yönü	153.073	35.615	333.014	602.800	520.018	✓
S310	X yönü	845.802	167.839	824.414	1584.000	1964.936	✓
	Y yönü	845.022	247.813	968.909	1584.000	1963.845	✓
S320	X yönü	190.558	50.516	359.390	602.800	572.496	✓
	Y yönü	157.389	36.769	333.014	602.800	526.060	✓
S325	X yönü	190.528	50.615	359.390	602.800	572.454	✓
	Y yönü	157.360	36.778	333.014	602.800	526.019	✓
S401	X yönü	161.187	52.509	359.390	602.800	531.377	✓
	Y yönü	134.546	38.303	333.014	602.800	494.079	✓
S406	X yönü	161.129	52.582	359.390	602.800	531.295	✓
	Y yönü	134.509	38.301	333.014	602.800	494.028	✓
S410	X yönü	731.313	166.038	824.414	1584.000	1804.652	✓
	Y yönü	730.618	228.897	968.909	1584.000	1803.679	✓
S420	X yönü	165.538	53.027	359.390	602.800	537.469	✓
	Y yönü	138.292	39.702	333.014	602.800	499.325	✓
S425	X yönü	165.512	53.123	359.390	602.800	537.432	✓
	Y yönü	138.267	39.711	333.014	602.800	499.289	✓
S501	X yönü	136.118	45.746	359.390	602.800	496.281	✓
	Y yönü	114.972	34.884	333.014	602.800	466.676	✓

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S506	X yönü Y yönü	136.065 114.932	45.823 34.881	359.390 333.014	602.800 602.800	496.206 466.620	✓ ✓
S510	X yönü Y yönü	613.600 612.998	136.289 187.670	824.414 968.909	1584.000 1584.000	1639.853 1639.010	✓ ✓
S520	X yönü Y yönü	139.744 118.139	46.027 36.186	359.390 333.014	602.800 602.800	501.357 471.111	✓ ✓
S525	X yönü Y yönü	139.721 118.118	46.128 36.191	359.390 333.014	602.800 602.800	501.325 471.081	✓ ✓
S601	X yönü Y yönü	110.456 94.670	41.819 33.249	359.390 333.014	602.800 602.800	460.354 438.254	✓ ✓
S606	X yönü Y yönü	110.411 94.632	41.901 33.245	359.390 333.014	602.800 602.800	460.290 438.201	✓ ✓
S610	X yönü Y yönü	493.846 493.352	112.471 147.665	824.414 968.909	1584.000 1584.000	1472.198 1471.506	✓ ✓
S620	X yönü Y yönü	113.316 97.207	41.900 34.601	359.390 333.014	602.800 602.800	464.358 441.806	✓ ✓
S625	X yönü Y yönü	113.298 97.190	42.008 34.604	359.390 333.014	602.800 602.800	464.332 441.782	✓ ✓
S701	X yönü Y yönü	84.164 73.516	32.195 27.582	359.390 333.014	602.800 602.800	423.545 408.637	✓ ✓
S706	X yönü Y yönü	84.129 73.483	32.284 27.575	359.390 333.014	602.800 602.800	423.496 408.592	✓ ✓
S710	X yönü Y yönü	372.308 371.933	73.170 97.373	824.414 968.909	1584.000 1584.000	1302.044 1301.519	✓ ✓
S720	X yönü Y yönü	86.225 75.373	31.942 28.744	359.390 333.014	602.800 602.800	426.431 411.238	✓ ✓
S725	X yönü Y yönü	86.211 75.360	32.055 28.743	359.390 333.014	602.800 602.800	426.411 411.220	✓ ✓
S801	X yönü Y yönü	57.167 50.984	29.535 28.470	359.390 333.014	602.800 602.800	385.750 377.092	✓ ✓
S806	X yönü Y yönü	57.143 50.959	29.606 28.462	359.390 333.014	602.800 602.800	385.716 377.057	✓ ✓
S810	X yönü Y yönü	250.127 249.877	55.372 68.264	824.414 968.909	1584.000 1584.000	1130.992 1130.641	✓ ✓
S820	X yönü Y yönü	58.460 52.168	29.087 30.140	359.390 333.014	602.800 602.800	387.560 378.751	✓ ✓
S825	X yönü Y yönü	58.451 52.160	29.183 30.139	359.390 333.014	602.800 602.800	387.547 378.739	✓ ✓
S901	X yönü Y yönü	29.253 26.891	23.930 23.255	359.390 333.014	602.800 602.800	346.670 343.362	✓ ✓
S906	X yönü Y yönü	29.243 26.879	24.048 23.234	359.390 333.014	602.800 602.800	346.655 343.345	✓ ✓
S910	X yönü Y yönü	126.821 126.698	1.885 33.706	824.414 968.909	1584.000 1584.000	958.363 958.191	✓ ✓
S920	X yönü Y yönü	29.806 27.410	23.300 25.691	359.390 333.014	602.800 602.800	347.444 344.090	✓ ✓
S925	X yönü Y yönü	29.803 27.407	23.463 25.702	359.390 333.014	602.800 602.800	347.439 344.085	✓ ✓

KIRIŞLERİN KESME GÜVENLİK KONTROLÜ (tm)

Kiriş	Ln	Mplu	Mpla	Mpru	Mpra	Vdl +	Vpl =	Vel <	Vrl	Vdr +	Vpr =	Ver <	Vvr	✓,×
KZ01	3.45	10.61	10.21	10.61	10.21	3.15	8.44	11.60	27.12	2.11	8.44	10.56	27.12	✓
KZ02	3.20	10.61	10.21	10.61	10.21	2.56	9.11	11.67	27.12	2.49	9.11	11.60	27.12	✓
KZ03	3.20	10.61	10.21	10.61	10.21	2.53	9.11	11.64	27.12	2.52	9.11	11.63	27.12	✓
KZ04	3.20	10.61	10.21	10.61	10.21	2.50	9.11	11.60	27.12	2.56	9.11	11.66	27.12	✓
KZ05	3.46	10.61	10.21	10.61	10.21	2.12	8.42	10.54	27.12	3.15	8.42	11.57	27.12	✓
KZ06	3.40	10.61	10.21	10.61	10.21	5.10	8.57	13.66	27.12	3.33	8.57	11.90	27.12	✓
KZ07	3.60	10.61	10.21	10.87	10.21	4.60	8.09	12.70	27.12	4.39	8.20	12.59	27.12	✓
KZ08	3.65	10.87	6.90	11.72	6.90	3.40	6.82	10.22	27.12	5.64	7.15	12.79	27.12	✓
KZ09	3.65	11.72	6.90	10.87	6.90	5.65	7.15	12.79	27.12	3.40	6.82	10.22	27.12	✓
KZ10	3.60	10.87	10.21	10.61	10.21	4.40	8.20	12.59	27.12	4.60	8.09	12.69	27.12	✓
KZ11	3.40	10.61	10.21	10.61	10.21	3.33	8.57	11.90	27.12	5.09	8.57	13.66	27.12	✓
KZ12	3.40	10.61	10.21	10.61	10.21	5.11	8.57	13.68	27.12	3.31	8.57	11.88	27.12	✓
KZ13	3.60	10.61	10.21	10.87	10.21	4.58	8.09	12.68	27.12	4.41	8.20	12.61	27.12	✓
KZ14	3.65	10.87	6.90	15.01	9.34	2.87	7.75	10.63	27.12	6.17	8.41	14.58	27.12	✓
KZ15	2.00	15.01	12.57	21.14	14.88	3.63	20.92	24.56	28.99	3.62	23.60	27.21	28.99	✓
KZ16	3.65	15.01	9.34	10.87	6.90	6.17	8.41	14.58	27.12	2.88	7.75	10.63	27.12	✓
KZ17	3.60	10.87	10.21	10.61	10.21	4.41	8.20	12.61	27.12	4.58	8.09	12.68	27.12	✓
KZ18	3.40	10.61	10.21	10.61	10.21	3.32	8.57	11.88	27.12	5.11	8.57	13.68	27.12	✓
KZ19	3.45	10.61	10.21	10.61	10.21	3.15	8.44	11.59	27.12	2.11	8.44	10.56	27.12	✓
KZ20	3.20	10.61	10.21	10.61	10.21	2.58	9.11	11.68	27.12	2.48	9.11	11.58	27.12	✓
KZ21	3.20	10.61	10.21	10.61	10.21	2.53	9.11	11.63	27.12	2.53	9.11	11.63	27.12	✓
KZ22	3.20	10.61	10.21	10.61	10.21	2.48	9.11	11.59	27.12	2.57	9.11	11.68	27.12	✓
KZ23	3.45	10.61	10.21	10.61	10.21	2.11	8.44	10.56	27.12	3.15	8.44	11.60	27.12	✓
KZ24	2.60	12.70	10.21	10.61	10.21	1.05	12.33	13.38	27.12	3.64	11.20	14.84	27.12	✓
KZ25	5.20	12.70	6.90	12.70	6.90	4.64	5.28	9.92	27.12	4.74	5.28	10.02	27.12	✓
KZ26	2.60	10.61	10.21	12.70	10.21	3.44	11.20	14.65	27.12	1.24	12.33	13.58	27.12	✓
KZ27	5.30	17.14	9.34	21.02	11.20	7.30	7.48	14.78	27.12	8.92	8.02	16.94	27.12	✓
KZ28	5.20	16.33	9.34	17.14	9.34	8.07	6.91	14.98	27.12	8.19	7.13	15.31	27.12	✓
KZ29	5.30	21.02	10.21	16.33	9.34	8.81	8.02	16.83	27.12	7.39	7.01	14.40	27.12	✓
KZ30	5.20	16.89	9.34	13.80	9.34	8.30	7.06	15.36	27.12	7.76	6.23	13.99	27.12	✓
KZ31	5.20	15.83	9.34	16.89	9.34	8.08	6.78	14.86	27.12	8.29	7.06	15.35	27.12	✓
KZ32	5.20	13.80	6.90	15.83	9.34	7.71	6.23	13.94	27.12	8.33	6.12	14.45	27.12	✓
KZ33	5.45	16.45	8.47	12.38	7.59	8.61	6.17	14.78	28.99	7.75	5.35	13.10	28.99	✓
KZ34	5.45	12.38	7.59	16.45	8.47	7.65	5.35	13.00	28.99	8.69	6.17	14.86	28.99	✓
KZ35	5.45	16.45	8.47	12.38	7.59	8.61	6.17	14.78	28.99	7.75	5.35	13.10	28.99	✓
KZ36	5.45	12.38	7.59	16.45	8.47	7.65	5.35	13.00	28.99	8.69	6.17	14.86	28.99	✓
KZ37	5.20	16.89	9.34	13.80	9.34	8.29	7.06	15.36	27.12	7.77	6.23	13.99	27.12	✓
KZ38	5.20	15.83	9.34	16.89	9.34	8.08	6.78	14.86	27.12	8.29	7.06	15.35	27.12	✓
KZ39	5.20	13.80	6.90	15.83	9.34	7.72	6.23	13.94	27.12	8.33	6.12	14.45	27.12	✓
KZ40	5.30	17.14	9.34	21.02	11.20	7.30	7.48	14.78	27.12	8.92	8.02	16.94	27.12	✓
KZ41	5.20	16.33	9.34	17.14	9.34	8.07	6.91	14.98	27.12	8.19	7.13	15.31	27.12	✓
KZ42	5.31	21.02	11.20	16.33	9.34	8.82	8.00	16.82	27.12	7.42	7.26	14.67	27.12	✓
KZ43	2.60	12.70	10.21	10.61	10.21	1.05	12.33	13.38	27.12	3.64	11.20	14.84	27.12	✓
KZ44	5.20	12.70	6.90	12.70	6.90	4.64	5.28	9.92	27.12	4.74	5.28	10.02	27.12	✓
KZ45	2.61	10.61	10.21	12.70	10.21	3.45	11.16	14.61	27.12	1.26	12.28	13.54	27.12	✓
KI01	3.45	13.67	10.21	13.67	12.57	3.59	10.65	14.23	27.12	1.68	9.69	11.36	27.12	✓
KI02	3.20	13.67	12.57	13.67	10.21	2.59	10.45	13.04	27.12	2.46	11.48	13.94	27.12	✓
KI03	3.20	13.67	10.21	13.67	10.21	2.53	10.45	12.98	27.12	2.52	10.45	12.97	27.12	✓
KI04	3.20	13.67	10.21	13.67	12.57	2.47	11.48	13.95	27.12	2.58	10.45	13.03	27.12	✓
KI05	3.46	13.67	12.57	13.67	10.21	1.69	9.66	11.35	27.12	3.58	10.62	14.20	27.12	✓
KI06	3.40	15.83	10.21	11.86	10.21	6.12	10.72	16.84	27.12	2.30	9.08	11.38	27.12	✓
KI07	3.60	11.86	10.21	10.87	12.57	4.66	9.50	14.16	27.12	4.34	8.20	12.54	27.12	✓
KI08	3.65	10.87	9.34	16.77	9.34	2.61	7.75	10.36	27.12	6.44	10.01	16.45	27.12	✓
KI09	3.65	16.77	9.34	10.87	9.34	6.44	10.01	16.46	27.12	2.60	7.75	10.36	27.12	✓
KI10	3.60	10.87	12.57	11.86	10.21	4.35	8.20	12.54	27.12	4.65	9.50	14.15	27.12	✓
KI11	3.40	11.86	10.21	15.83	10.21	2.31	9.08	11.39	27.12	6.12	10.72	16.84	27.12	✓
KI12	3.40	15.95	10.21	11.86	10.21	6.16	10.77	16.93	27.12	2.27	9.08	11.35	27.12	✓
KI13	3.60	11.86	10.21	10.87	14.37	4.60	10.20	14.80	27.12	4.40	8.20	12.59	27.12	✓
KI14	3.65	10.87	11.20	21.02	11.20	1.72	8.46	10.18	27.12	7.33	12.36	19.69	27.12	✓
KI15	2.00	18.86	14.37	28.16	18.37	3.63	26.06	29.69	35.20	3.62	29.77	33.39	35.20	✓
KI16	3.65	21.02	11.20	10.87	11.20	7.33	12.36	19.69	27.12	1.71	8.46	10.18	27.12	✓
KI17	3.60	10.87	14.37	11.86	10.21	4.40	8.20	12.60	27.12	4.60	10.20	14.80	27.12	✓
KI18	3.40	11.86	10.21	15.95	10.21	2.27	9.08	11.35	27.12	6.15	10.77	16.92	27.12	✓
KI19	3.45	13.67	10.21	13.67	12.57	3.59	10.65	14.23	27.12	1.68	9.69	11.36	27.12	✓
KI20	3.20	13.67	12.57	13.67	10.21	2.62	10.45	13.06	27.12	2.44	11.48	13.92	27.12	✓
KI21	3.20	13.67	10.21	13.67	10.21	2.53	10.45	12.98	27.12	2.52	10.45	12.97	27.12	✓
KI22	3.20	13.67	10.21	13.67	12.57	2.44	11.48	13.92	27.12	2.61	10.45	13.06	27.12	✓
KI23	3.45	13.67	12.57	13.67	10.21	1.68	9.69	11.37	27.12	3.59	10.65	14.23	27.12	✓
KI24	2.60	16.77	14.37	15.83	10.21	0.14	14.52	14.66	27.12	4.55	16.26	20.80	27.12	✓
KI25	5.20	16.77	10.21	16.77	11.20	4.60	7.53	12.13	27.12	4.78	7.26	12.04	27.12	✓
KI26	2.60	13.67	10.21	16.77	13.41	4.21	14.58	18.79	27.12	0.48	14.52	15.00	27.12	✓
KI27	5.30	21.90	11.20	25.69	13.54	6.62	9.36	15.98	27.12	9.60	9.74	19.34	27.12	✓
KI28	5.20	20.24	11.20	21.90	11.20	8.03	8.47	16.50	27.12	8.23	8.91	17.14	27.12	✓
KI29	5.30	25.69	13.54	20.24	11.20	9.42	9.74	19.16	27.12	6.79	8.92	15.71	27.12	✓
KI30	5.20	20.24	11.20	18.98	10.21	7.75	8.20	15.95	27.12	8.31	8.12	16.43	27.12	✓
KI31	5.20	19.10	10.21	20.24	11.20	8.00	8.16	16.16	27.12	8.36	8.20	16.56	27.12	✓
KI32	5.20	18.98	10.21	19.10	10.21	8.23	7.86	16.09	27.12	7.81	7.89	15.70	27.12	✓
KI33	5.45	16.45	8.47	16.45	8.47	8.50	6.40	14.91	28.99	7.85	6.40	14.25	28.99	✓
KI34	5.45	16.45	8.47	16.45	8.47	7.69	6.66	14.35	28.99	8.65	6.40	15.05	28.99	✓
KI35	5.45	16.45	8.47	16.45	8.47	8.50	6.40	14.91	28.99	7.85	6.40	14.25	28.99	✓
KI36	5.45	16.45	8.47	16.45	8.47	7.69	6.66	14.35	28.99	8.65	6.40	15.05	28.99	✓
KI37	5.20	20.24	11.20	18.98	10.21	7.75	8.20	15.95	27.12	8.31	8.12	16.43	27.12	✓
KI38	5.20	19.10	10.21	20.24	11.20	8.00	8.16	16.16	27.12	8.36	8.20	16.56	27.12	✓
KI39	5.20	18.98	10.21	19.10	10.21	8.23	7.86	16.09	27.12	7.81	7.89	15.70	27.12	✓

K140	5.30	21.90	11.20	25.69	13.54	6.62	9.36	15.98	27.12	9.60	9.74	19.34	27.12	✓
K141	5.20	20.24	11.20	21.90	11.20	8.03	8.47	16.50	27.12	8.23	8.91	17.14	27.12	✓
K142	5.31	25.69	13.54	20.24	11.20	9.42	9.72	19.15	27.12	6.81	8.91	15.71	27.12	✓
K143	2.60	16.77	14.37	15.83	10.21	0.15	14.52	14.66	27.12	4.54	16.26	20.80	27.12	✓
K144	5.20	16.77	10.21	16.77	11.20	4.60	7.53	12.13	27.12	4.78	7.26	12.04	27.12	✓
K145	2.61	13.67	10.21	16.77	13.41	4.22	14.52	18.74	27.12	0.49	14.46	14.95	27.12	✓
K201	3.45	15.83	10.21	15.83	14.37	3.96	12.25	16.21	27.12	1.30	10.56	11.86	27.12	✓
K202	3.20	15.83	14.37	15.83	12.57	2.62	12.43	15.05	27.12	2.43	13.21	15.64	27.12	✓
K203	3.20	15.83	12.57	15.83	12.57	2.53	12.43	14.96	27.12	2.52	12.43	14.95	27.12	✓
K204	3.20	15.83	12.57	15.83	14.37	2.44	13.21	15.65	27.12	2.61	12.43	15.04	27.12	✓
K205	3.46	15.83	14.37	15.83	10.21	1.32	10.54	11.85	27.12	3.95	12.22	16.17	27.12	✓
K206	3.40	18.19	10.21	13.67	10.21	6.93	11.69	18.62	27.12	1.49	9.83	11.32	27.12	✓
K207	3.60	13.67	10.21	12.70	16.64	4.70	11.79	16.49	27.12	4.30	8.91	13.21	27.12	✓
K208	3.65	12.70	13.54	21.14	10.21	1.95	8.79	10.74	27.12	7.10	13.30	20.40	27.12	✓
K209	3.65	21.14	10.21	12.70	13.54	7.10	13.30	20.41	27.12	1.94	8.79	10.73	27.12	✓
K210	3.60	12.70	16.64	13.67	10.21	4.31	8.91	13.22	27.12	4.69	11.79	16.47	27.12	✓
K211	3.40	13.67	10.21	18.19	10.21	1.50	9.83	11.33	27.12	6.93	11.69	18.62	27.12	✓
K212	3.40	20.36	10.21	14.18	12.57	6.98	13.56	20.54	27.12	1.45	10.04	11.49	27.12	✓
K213	3.60	14.18	12.57	13.22	18.37	4.61	12.66	17.27	27.12	4.39	10.03	14.42	27.12	✓
K214	3.65	13.22	15.32	25.69	13.54	0.76	10.26	11.02	27.12	8.29	15.73	24.02	27.12	✓
K215	2.00	23.64	16.64	36.38	22.66	3.63	32.41	36.05	42.69	3.62	37.12	40.73	42.69	✓
K216	3.65	25.69	13.54	13.22	15.32	8.29	15.73	24.02	27.12	0.76	10.26	11.02	27.12	✓
K217	3.60	13.22	18.37	14.18	12.57	4.39	10.03	14.42	27.12	4.60	12.66	17.26	27.12	✓
K218	3.40	14.18	12.57	20.36	10.21	1.45	10.04	11.49	27.12	6.97	13.56	20.53	27.12	✓
K219	3.45	15.83	10.21	15.83	14.37	3.96	12.25	16.21	27.12	1.31	10.56	11.87	27.12	✓
K220	3.20	15.83	14.37	15.83	13.41	2.66	12.79	15.45	27.12	2.40	13.21	15.61	27.12	✓
K221	3.20	15.83	13.41	15.83	13.41	2.53	12.79	15.32	27.12	2.52	12.79	15.32	27.12	✓
K222	3.20	15.83	13.41	15.83	14.37	2.40	13.21	15.62	27.12	2.65	12.79	15.44	27.12	✓
K223	3.45	15.83	14.37	15.83	10.21	1.31	10.56	11.87	27.12	3.96	12.25	16.21	27.12	✓
K224	2.60	21.14	18.37	18.19	10.21	0.53	16.87	17.41	27.12	5.22	19.68	24.90	27.12	✓
K225	5.20	18.86	13.54	21.14	15.32	4.57	9.20	13.77	27.12	4.81	9.34	14.15	27.12	✓
K226	2.60	18.19	10.21	18.86	16.64	4.78	18.75	23.53	27.12	0.09	15.64	15.74	27.12	✓
K227	5.30	24.16	12.31	30.87	17.45	6.05	10.99	17.04	27.12	10.17	11.40	21.57	27.12	✓
K228	5.20	22.55	12.31	24.16	12.31	8.00	9.38	17.38	27.12	8.26	9.82	18.08	27.12	✓
K229	5.30	30.87	17.45	22.55	12.31	9.94	11.40	21.35	27.12	6.27	10.56	16.83	27.12	✓
K230	5.20	23.87	12.31	21.02	11.20	7.54	9.44	16.98	27.12	8.52	8.97	17.49	27.12	✓
K231	5.20	21.90	11.20	23.87	12.31	7.94	9.21	17.15	27.12	8.43	9.44	17.87	27.12	✓
K232	5.20	21.02	11.20	21.90	11.20	8.42	8.67	17.10	27.12	7.62	8.91	16.53	27.12	✓
K233	5.45	16.45	8.47	18.19	9.47	8.63	6.66	15.29	28.99	7.72	6.85	14.57	28.99	✓
K234	5.45	18.19	9.47	18.19	9.47	7.52	7.10	14.62	28.99	8.82	7.10	15.92	28.99	✓
K235	5.45	16.45	8.47	18.19	9.47	8.63	6.66	15.29	28.99	7.72	6.85	14.57	28.99	✓
K236	5.45	18.19	9.47	18.19	9.47	7.52	7.10	14.62	28.99	8.82	7.10	15.92	28.99	✓
K237	5.20	23.87	12.31	21.02	11.20	7.54	9.44	16.98	27.12	8.52	8.97	17.49	27.12	✓
K238	5.20	21.90	11.20	23.87	12.31	7.94	9.21	17.15	27.12	8.43	9.44	17.87	27.12	✓
K239	5.20	21.02	11.20	21.90	11.20	8.43	8.67	17.10	27.12	7.62	8.91	16.53	27.12	✓
K240	5.30	24.16	12.31	30.87	17.45	6.05	10.99	17.04	27.12	10.17	11.40	21.57	27.12	✓
K241	5.20	22.55	12.31	24.16	12.31	8.00	9.38	17.38	27.12	8.26	9.82	18.08	27.12	✓
K242	5.31	30.87	17.45	22.55	12.31	9.94	11.38	21.33	27.12	6.29	10.54	16.83	27.12	✓
K243	2.60	21.14	18.37	18.19	10.21	0.53	16.87	17.40	27.12	5.22	19.68	24.90	27.12	✓
K244	5.20	18.86	13.54	21.14	15.32	4.57	9.20	13.77	27.12	4.81	9.34	14.15	27.12	✓
K245	2.61	18.19	10.21	18.86	16.64	4.79	18.67	23.46	27.12	0.08	15.58	15.66	27.12	✓
K301	3.45	18.19	10.21	18.19	16.64	4.25	14.13	18.38	27.12	1.01	11.52	12.53	27.12	✓
K302	3.20	18.19	16.64	18.19	13.41	2.62	13.82	16.44	27.12	2.43	15.24	17.67	27.12	✓
K303	3.20	18.19	13.41	18.19	13.41	2.53	13.82	16.36	27.12	2.52	13.82	16.35	27.12	✓
K304	3.20	18.19	13.41	18.19	16.64	2.45	15.24	17.68	27.12	2.61	13.82	16.43	27.12	✓
K305	3.46	18.19	16.64	18.19	10.21	1.03	11.49	12.52	27.12	4.24	14.09	18.33	27.12	✓
K306	3.40	18.06	10.21	14.18	10.21	6.90	11.64	18.54	27.12	1.52	10.04	11.56	27.12	✓
K307	3.60	14.18	10.21	13.22	18.37	4.80	12.66	17.46	27.12	4.20	9.11	13.31	27.12	✓
K308	3.65	13.22	15.32	23.24	12.31	1.47	9.79	11.27	27.12	7.57	14.79	22.37	27.12	✓
K309	3.65	23.24	12.31	13.22	15.32	7.58	14.79	22.38	27.12	1.46	9.79	11.26	27.12	✓
K310	3.60	13.22	18.37	14.18	10.21	4.21	9.11	13.32	27.12	4.79	12.66	17.45	27.12	✓
K311	3.40	14.18	10.21	18.06	10.21	1.53	10.04	11.57	27.12	6.90	11.64	18.54	27.12	✓
K312	3.40	18.06	10.21	12.96	12.57	6.96	12.61	19.57	27.12	1.47	9.54	11.00	27.12	✓
K313	3.60	12.96	12.57	13.22	20.42	4.72	12.98	17.70	27.12	4.28	10.03	14.31	27.12	✓
K314	3.65	13.22	17.45	28.81	15.32	0.12	10.95	11.07	27.12	8.93	17.74	26.67	27.12	✓
K315	2.00	26.85	18.37	41.52	25.85	3.63	36.89	40.53	45.81	3.62	41.92	45.54	45.81	✓
K316	3.65	28.81	15.32	13.22	17.45	8.94	17.74	26.68	27.12	0.11	10.95	11.06	27.12	✓
K317	3.60	13.22	20.42	12.96	12.57	4.29	10.03	14.32	27.12	4.71	12.98	17.69	27.12	✓
K318	3.40	12.96	12.57	18.06	10.21	1.47	9.54	11.01	27.12	6.96	12.61	19.57	27.12	✓
K319	3.45	18.19	10.21	18.19	16.64	4.25	14.13	18.38	27.12	1.02	11.52	12.53	27.12	✓
K320	3.20	18.19	16.64	18.19	13.41	2.66	13.82	16.49	27.12	2.39	15.24	17.63	27.12	✓
K321	3.20	18.19	13.41	18.19	13.41	2.53	13.82	16.35	27.12	2.52	13.82	16.35	27.12	✓
K322	3.20	18.19	13.41	18.19	16.64	2.40	15.24	17.64	27.12	2.65	13.82	16.48	27.12	✓
K323	3.45	18.19	16.64	18.19	10.21	1.02	11.52	12.54	27.12	4.24	14.13	18.37	27.12	✓
K324	2.60	21.02	20.42	20.36	10.21	1.01	16.81	17.81	28.99	5.69	21.95	27.65	28.99	✓
K325	5.20	21.02	15.32	21.02	17.45	4.55	10.36	14.91	27.12	4.83	9.78	14.61	27.12	✓
K326	2.60	18.06	10.21	21.02	18.37	5.18	19.61	24.79	27.12	0.50	16.81	17.30	27.12	✓
K327	5.30	24.16	15.32	35.86	19.76	5.61	11.60	17.21	27.12	10.61	13.52	24.13	27.12	✓
K328	5.20	24.16	13.54	24.16	15.32	7.98	10.63	18.61	27.12	8.28	10.15	18.43	27.12	✓
K329	5.30	32.10	17.45	24.16	13.54	10.35	12.05	22.41	27.12	5.86	10.99	16.85	27.12	✓
K330	5.20	23.87	12.31	23.24	12.31	7.25	9.74	16.99	27.12	8.81	9.57	18.38	27.12	✓
K331	5.20	21.90	12.31	23.87	12.31	7.89	9.21	17.10	27.12	8.47	9.74	18.22	27.12	✓
K332	5.20	23.24	12.31	21.90	12.31	8.72	9.57	18.29	27.12	7.32	9.21	16.53	27.12	✓
K333	5.45	22.37	11.86	18.67	10.61	8.58	8.47	17.05	28.99	7.77	7.84	15.62	28.99	✓
K334	5.45	18.67	9.47	22.37	11.86	7.54	7.84	15.38	28.99	8.80	8.			

K337	5.20	23.87	12.31	23.24	12.31	7.24	9.74	16.98	27.12	8.82	9.57	18.39	27.12	✓
K338	5.20	21.90	12.31	23.87	12.31	7.89	9.21	17.10	27.12	8.47	9.74	18.22	27.12	✓
K339	5.20	23.24	12.31	21.90	12.31	8.72	9.57	18.29	27.12	7.32	9.21	16.53	27.12	✓
K340	5.30	24.16	15.32	35.86	19.76	5.61	11.60	17.21	27.12	10.61	13.52	24.13	27.12	✓
K341	5.20	24.16	13.54	24.16	15.32	7.98	10.63	18.61	27.12	8.28	10.15	18.43	27.12	✓
K342	5.31	32.10	17.45	24.16	13.54	10.35	12.03	22.38	27.12	5.88	10.97	16.85	27.12	✓
K343	2.60	21.02	20.42	20.36	10.21	1.00	16.81	17.81	28.99	5.69	21.95	27.65	28.99	✓
K344	5.20	21.02	15.32	21.02	17.45	4.55	10.36	14.91	27.12	4.83	9.78	14.61	27.12	✓
K345	2.61	18.06	10.21	21.02	18.37	5.19	19.53	24.73	27.12	0.48	16.74	17.23	27.12	✓
K401	3.50	20.78	10.21	18.19	18.37	4.63	15.66	20.28	27.12	0.68	11.35	12.04	27.12	✓
K402	3.30	18.19	18.37	18.19	13.41	2.63	13.41	16.04	27.12	2.51	15.51	18.02	27.12	✓
K403	3.30	18.19	13.41	18.19	13.41	2.58	13.41	15.98	27.12	2.57	13.41	15.97	27.12	✓
K404	3.30	18.19	13.41	18.19	18.37	2.52	15.51	18.03	27.12	2.62	13.41	16.03	27.12	✓
K405	3.51	18.19	18.37	20.78	10.21	0.70	11.33	12.03	27.12	4.61	15.62	20.23	27.12	✓
K406	3.48	20.36	10.21	13.22	10.21	7.30	12.31	19.61	27.12	1.20	9.44	10.64	27.12	✓
K407	3.65	13.22	6.90	14.05	17.45	4.89	11.76	16.65	27.12	4.14	8.04	12.18	27.12	✓
K408	3.67	14.05	17.45	25.69	13.54	0.90	10.51	11.41	27.12	8.17	16.43	24.60	27.12	✓
K409	3.67	25.69	13.54	14.05	17.45	8.18	16.43	24.61	27.12	0.90	10.51	11.41	27.12	✓
K410	3.65	14.05	17.45	13.22	6.90	4.17	8.04	12.21	27.12	4.90	11.76	16.66	27.12	✓
K411	3.48	13.22	10.21	20.36	10.21	1.20	9.44	10.64	27.12	7.30	12.31	19.61	27.12	✓
K412	3.48	20.42	10.21	13.41	12.57	7.37	13.29	20.66	27.12	1.13	9.51	10.64	27.12	✓
K413	3.65	13.41	9.34	17.94	19.76	4.80	12.72	17.52	27.12	4.23	10.46	14.69	27.12	✓
K414	3.67	17.94	18.19	32.05	18.19	0.58	13.76	14.34	28.99	9.64	19.14	28.78	28.99	✓
K415	2.00	28.11	22.66	42.49	33.46	3.63	43.10	46.73	49.54	3.62	45.60	49.22	49.54	✓
K416	3.67	32.05	18.19	17.94	18.19	9.65	19.14	28.79	28.99	0.57	13.76	14.33	28.99	✓
K417	3.65	17.94	19.76	13.41	9.34	4.25	10.46	14.71	27.12	4.82	12.72	17.54	27.12	✓
K418	3.48	13.41	12.57	20.42	10.21	1.14	9.51	10.65	27.12	7.37	13.29	20.65	27.12	✓
K419	3.50	20.78	10.21	18.19	18.37	4.62	15.66	20.28	27.12	0.69	11.35	12.04	27.12	✓
K420	3.30	18.19	18.37	18.19	13.41	2.68	13.41	16.09	27.12	2.46	15.51	17.97	27.12	✓
K421	3.30	18.19	13.41	18.19	13.41	2.58	13.41	15.98	27.12	2.57	13.41	15.97	27.12	✓
K422	3.30	18.19	13.41	18.19	18.37	2.47	15.51	17.98	27.12	2.68	13.41	16.08	27.12	✓
K423	3.50	18.19	18.37	20.78	10.21	0.69	11.35	12.05	27.12	4.62	15.66	20.27	27.12	✓
K424	2.65	21.02	20.42	20.36	12.57	1.54	17.74	19.27	28.99	6.27	21.54	27.81	28.99	✓
K425	5.30	21.02	17.45	21.02	17.45	4.59	10.16	14.75	27.12	4.88	10.16	15.04	27.12	✓
K426	2.65	20.36	10.21	21.02	20.42	5.72	21.54	27.26	28.99	0.99	16.49	17.48	28.99	✓
K427	5.35	25.46	15.83	36.95	20.78	5.15	12.10	17.25	28.99	11.13	13.81	24.94	28.99	✓
K428	5.30	24.16	15.32	25.46	17.45	8.04	10.99	19.03	27.12	8.36	10.77	19.13	27.12	✓
K429	5.35	35.86	19.76	24.16	15.32	10.85	13.39	24.24	27.12	5.42	11.49	16.91	27.12	✓
K430	5.30	25.18	11.86	22.37	11.86	7.58	9.78	17.37	28.99	8.58	9.04	17.62	28.99	✓
K431	5.30	23.24	12.31	25.18	13.54	7.93	9.72	17.64	27.12	8.57	9.90	18.48	27.12	✓
K432	5.30	20.36	11.86	23.24	10.61	8.51	8.18	16.69	28.99	7.65	9.27	16.92	28.99	✓
K433	5.50	22.37	11.86	17.51	9.47	9.04	8.10	17.15	28.99	7.35	7.47	14.83	28.99	✓
K434	5.50	17.26	9.34	23.24	12.31	7.10	7.53	14.63	27.12	9.29	8.29	17.58	27.12	✓
K435	5.50	22.37	11.86	17.51	9.47	9.04	8.10	17.15	28.99	7.35	7.47	14.83	28.99	✓
K436	5.50	17.26	9.34	23.24	12.31	7.10	7.53	14.63	27.12	9.29	8.29	17.58	27.12	✓
K437	5.30	25.18	11.86	22.37	11.86	7.58	9.78	17.36	28.99	8.58	9.04	17.62	28.99	✓
K438	5.30	23.24	12.31	25.18	13.54	7.93	9.72	17.64	27.12	8.57	9.90	18.48	27.12	✓
K439	5.30	20.36	11.86	23.24	10.61	8.51	8.18	16.69	28.99	7.65	9.27	16.92	28.99	✓
K440	5.35	25.46	15.83	36.95	20.78	5.15	12.10	17.25	28.99	11.13	13.81	24.94	28.99	✓
K441	5.30	23.87	17.45	25.46	17.45	8.04	10.92	18.95	27.12	8.36	11.33	19.69	27.12	✓
K442	5.36	36.95	20.78	23.87	15.83	10.85	13.78	24.64	28.99	5.45	11.66	17.11	28.99	✓
K443	2.65	21.02	20.42	20.36	12.57	1.53	17.74	19.27	28.99	6.27	21.54	27.81	28.99	✓
K444	5.30	21.02	17.45	21.02	17.45	4.59	10.16	14.75	27.12	4.88	10.16	15.04	27.12	✓
K445	2.66	20.36	10.21	21.02	20.42	5.73	21.46	27.19	28.99	0.97	16.43	17.40	28.99	✓

TEMEL STATİK HESAP SONUÇLARI
T1 MÜTEMADİ TEMELİ B/D= 100/ 120 (tm)

Kombinasyon	sol M	sol V	sol Gz	Açıklık	sağ M	sağ V	sağ Gz	
GGGGG	0.00	0.00	0.00	Xac= 0.00m	113.67	96.02	13.49	SZ01
QQQQQ	0.00	0.00	0.00	0.00	17.27	14.66	2.05	J= 1
Q_Q_Q	0.00		0.00		17.10		2.06	
_Q_Q_Q	0.00		0.00		17.07		2.05	
QQ_QQ	0.00		0.00		17.18		2.04	
_QQ_QQ	0.00		0.00		17.14		2.05	
Q_QQ_Q	0.00		0.00		17.10		2.06	
Zemin	0.00	0.00	0.00		0.00	0.00	0.00	
Deprem+X	0.00	0.00	0.00		-150.84	108.82	3.25	
Deprem-X	0.00		0.00		-169.72		2.95	
Deprem+Y	0.00		0.00		-17.62		7.54	
Deprem-Y	0.00		0.00		11.91		9.81	
Rüzgar+X	0.00	0.00	0.00		-16.13	10.27	0.25	
Rüzgar-X	0.00		0.00		-14.31		0.28	
Rüzgar+Y	0.00		0.00		-2.23		2.06	
Rüzgar-Y	0.00		0.00		2.17		1.38	
GGGGG SZ01	-105.57	-69.27	13.49	Xac= 3.70m	6.76	27.91	8.55	SZ02
QQQQQ I= 1	-14.67	-10.40	2.05	38.77	3.68	5.94	1.61	J= 2
Q_Q_Q	-15.43		2.06		3.51		1.62	
_Q_Q_Q	-15.40		2.05		3.68		1.60	
QQ_QQ	-14.84		2.04		3.71		1.60	
_QQ_QQ	-15.17		2.05		3.55		1.61	
Q_QQ_Q	-15.47		2.06		3.62		1.61	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X	-456.03	138.98	3.25	15.54	-30.08	59.68	5.48	
Deprem-X	-566.09		2.95		-40.37		7.12	
Deprem+Y	175.63		7.54		15.18		4.29	
Deprem-Y	347.71		9.81		31.27		6.87	
Rüzgar+X	-55.33	16.01	0.25		-4.05	5.79	0.70	
Rüzgar-X	-44.91		0.28		-3.07		0.55	
Rüzgar+Y	25.22		1.06		2.21		0.60	
Rüzgar-Y	50.42		1.38		4.57		0.97	
GGGGG SZ02	-13.97	-28.29	8.55	Xac= 2.17m	3.07	20.85	6.99	SZ03
QQQQQ I= 2	-4.69	-5.92	1.61	26.20	1.17	3.88	1.44	J= 3
Q_Q_Q	-4.69		1.62		1.25		1.44	
_Q_Q_Q	-4.57		1.60		0.98		1.42	
QQ_QQ	-4.63		1.60		1.13		1.42	
_QQ_QQ	-4.70		1.61		1.24		1.44	
Q_QQ_Q	-4.63		1.61		1.03		1.44	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X	25.48	17.73	5.48	15.54	-47.73	12.86	0.51	
Deprem-X	31.75		7.12		-54.08		0.78	
Deprem+Y	-11.85		4.29		5.47		3.78	
Deprem-Y	-21.65		6.87		15.40		4.08	
Rüzgar+X	3.13	2.00	0.70		-5.21	1.77	0.08	
Rüzgar-X	2.54		0.55		-4.61		0.05	
Rüzgar+Y	-1.73		0.60		0.86		0.53	
Rüzgar-Y	-3.17		0.97		2.32		0.57	
GGGGG SZ03	-3.46	-24.04	6.99	Xac= 1.69m	-6.56	19.25	7.31	SZ04
QQQQQ I= 3	-1.20	-4.89	1.44	28.35	-0.61	4.02	1.50	J= 4
Q_Q_Q	-1.11		1.44		-0.73		1.49	
_Q_Q_Q	-1.21		1.42		-0.63		1.48	
QQ_QQ	-1.10		1.42		-0.74		1.48	
_QQ_QQ	-1.17		1.44		-0.60		1.49	
Q_QQ_Q	-1.24		1.44		-0.60		1.49	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X	-4.41	11.83	0.51	15.54	3.91	5.53	0.65	
Deprem-X	0.13		0.78		10.87		0.98	
Deprem+Y	-5.43		3.78		27.05		4.01	
Deprem-Y	-12.52		4.08		16.16		3.66	
Rüzgar+X	0.10	1.63	0.08		1.16	0.73	0.10	
Rüzgar-X	-0.33		0.05		0.51		0.07	
Rüzgar+Y	-0.85		0.53		3.97		0.56	
Rüzgar-Y	-1.89		0.57		2.38		0.51	

GGGGG	SZ04	8.85	-19.72	7.31	Xac= 2.27m	15.00	35.40	10.54	SZ05
QQQQQ	I= 4	1.03	-3.63	1.50	23.91	4.93	7.19	1.95	J= 5
Q Q Q		1.01		1.49		4.95		1.96	
Q Q Q		1.17		1.48		4.84		1.94	
QQ QQ		1.05		1.48		4.96		1.95	
QQ QQ		1.05		1.49		4.82		1.95	
Q QQ Q		1.08		1.49		4.95		1.95	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		-56.75	10.13	0.65	15.54	21.67	25.62	6.87	
Deprem-X		-65.73		0.98		27.41		8.97	
Deprem+Y		-30.49		4.01		19.13		8.66	
Deprem-Y		-16.43		3.66		10.17		5.38	
Rüzgar+X		-6.36	1.38	0.10		2.72	3.12	0.88	
Rüzgar-X		-5.51		0.07		2.17		0.69	
Rüzgar+Y		-4.47		0.56		2.81		1.23	
Rüzgar-Y		-2.41		0.51		1.49		0.75	
GGGGG	SZ05	-6.06	-9.62	10.54	Xac= 1.54m	96.58	43.54	15.12	SZ06
QQQQQ	I= 5	-3.68	-2.69	1.95	-0.68	13.39	6.26	2.32	J= 6
Q Q Q		-3.50		1.96		14.14		2.33	
Q Q Q		-3.72		1.94		13.59		2.31	
QQ QQ		-3.57		1.95		13.87		2.31	
QQ QQ		-3.71		1.95		13.52		2.32	
Q QQ Q		-3.64		1.95		13.45		2.32	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		-29.48	78.10	6.87	18.97	-455.44	122.09	2.82	
Deprem-X		-39.87		8.97		-564.34		2.31	
Deprem+Y		-31.61		8.66		-341.23		11.02	
Deprem-Y		-15.36		5.38		-170.97		8.35	
Rüzgar+X		-4.01	7.62	0.88		-55.13	12.73	0.19	
Rüzgar-X		-3.02		0.69		-44.83		0.23	
Rüzgar+Y		-4.62		1.23		-49.50		1.56	
Rüzgar-Y		-2.23		0.75		-24.56		1.17	
GGGGG	SZ06	-111.50	-95.90	15.12	Xac= 0.00m	0.00	0.00	15.12	
QQQQQ	I= 6	-16.89	-14.64	2.32	0.00	0.00	0.00	2.32	
Q Q Q		-16.74		2.33		0.00		2.33	
Q Q Q		-16.83		2.31		0.00		2.31	
QQ QQ		-16.75		2.31		0.00		2.31	
QQ QQ		-16.85		2.32		0.00		2.32	
Q QQ Q		-16.91		2.32		0.00		2.32	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		-144.35	102.89	2.82	18.97	0.00	0.00	2.82	
Deprem-X		-162.18		2.31		0.00		2.31	
Deprem+Y		-10.00		11.02		0.00		11.02	
Deprem-Y		17.88		8.35		0.00		8.35	
Rüzgar+X		-15.40	9.70	0.19		0.00	0.00	0.19	
Rüzgar-X		-13.68		0.23		0.00		0.23	
Rüzgar+Y		-1.88		1.56		0.00		1.56	
Rüzgar-Y		2.28		1.17		0.00		1.17	

T2 MÜTEMADİ TEMELİ B/D= 100/ 120 (tm)

Kombinasyon	sol M	sol V	sol Gz	Açıklık	sağ M	sağ V	sağ Gz	
GGGGG	0.00	0.00	0.00	Xac= 0.00m	5.67	20.56	7.70	SZ07
QQQQQ	0.00	0.00	0.00	0.00	1.08	3.93	1.46	J= 7
Q Q Q	0.00		0.00		1.08		1.45	
Q Q Q	0.00		0.00		1.08		1.46	
QQ QQ	0.00		0.00		1.08		1.46	
QQ QQ	0.00		0.00		1.08		1.45	
Q QQ Q	0.00		0.00		1.08		1.45	
Zemin	0.00	0.00	0.00		0.00	0.00	0.00	
Deprem+X	0.00	0.00	0.00		-3.72	15.93	4.34	
Deprem-X	0.00		0.00		-4.51		5.37	
Deprem+Y	0.00		0.00		1.71		2.12	
Deprem-Y	0.00		0.00		2.95		3.73	
Rüzgar+X	0.00	0.00	0.00		-0.43	1.55	0.51	
Rüzgar-X	0.00		0.00		-0.35		0.41	
Rüzgar+Y	0.00		0.00		0.25		0.32	
Rüzgar-Y	0.00		0.00		0.43		0.55	

GGGGG	SZ07	-9.06	-36.50	7.70	X _{ac} = 1.78m	11.31	35.51	6.31	SZ08
QQQQQ	I= 7	-1.32	-6.63	1.46	40.15	5.13	8.64	1.42	J= 8
Q_Q_Q		-1.34		1.45		4.99		1.42	
Q_Q_Q		-1.61		1.46		5.15		1.42	
QQ_QQ		-1.51		1.46		5.15		1.43	
QQ_QQ		-1.32		1.45		5.03		1.42	
Q_QQ_Q		-1.45		1.45		5.10		1.42	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-54.51	6.92	4.34	9.69	27.74	21.96	0.87	
Deprem-X		-63.04		5.37		21.41		1.29	
Deprem+Y		6.73		2.12		12.29		0.81	
Deprem-Y		20.07		3.73		22.19		1.47	
Rüzgar+X		-6.13	0.58	0.51		1.80	3.24	0.12	
Rüzgar-X		-5.31		0.41		2.41		0.08	
Rüzgar+Y		0.97		0.32		1.81		0.12	
Rüzgar-Y		2.94		0.55		3.27		0.22	
GGGGG	SZ08	-11.31	-41.89	6.31	X _{ac} = 1.89m	-10.55	32.54	6.94	SZ09
QQQQQ	I= 8	-5.00	-9.87	1.42	46.35	-0.08	7.74	1.64	J= 9
Q_Q_Q		-5.11		1.42		0.18		1.65	
Q_Q_Q		-4.95		1.42		-0.01		1.63	
QQ_QQ		-4.94		1.43		-0.02		1.64	
QQ_QQ		-5.12		1.42		0.11		1.65	
Q_QQ_Q		-5.02		1.42		-0.03		1.63	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-82.70	15.82	0.87	9.69	70.13	18.47	5.24	
Deprem-X		-84.68		1.29		75.58		5.26	
Deprem+Y		-6.16		0.81		-38.90		0.68	
Deprem-Y		-3.07		1.47		-47.43		0.74	
Rüzgar+X		-7.91	2.32	0.12		7.21	1.81	0.49	
Rüzgar-X		-7.72		0.08		6.70		0.49	
Rüzgar+Y		-0.92		0.12		-5.62		0.10	
Rüzgar-Y		-0.47		0.22		-6.86		0.10	
GGGGG	SZ09	18.58	-39.36	6.94	X _{ac} = 2.40m	242.90	152.84	15.08	SZ10
QQQQQ	I= 9	1.26	-9.98	1.64	57.41	49.23	31.81	3.23	J= 10
Q_Q_Q		1.21		1.65		49.22		3.16	
Q_Q_Q		1.06		1.63		48.41		3.20	
QQ_QQ		1.23		1.64		49.51		3.22	
QQ_QQ		1.22		1.65		48.97		3.19	
Q_QQ_Q		1.08		1.63		48.28		3.20	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-78.84	69.55	5.24	21.00	-821.87	232.36	0.35	
Deprem-X		-81.38		5.26		-825.47		0.35	
Deprem+Y		34.02		0.68		61.40		13.19	
Deprem-Y		37.99		0.74		67.02		13.19	
Rüzgar+X		-7.70	6.56	0.49		-77.40	21.79	0.03	
Rüzgar-X		-7.46		0.49		-77.07		0.03	
Rüzgar+Y		4.90		0.10		8.85		1.91	
Rüzgar-Y		5.48		0.10		9.66		1.91	
GGGGG	SZ10	-267.71	-186.55	15.08	X _{ac} = 3.43m	-19.05	52.84	6.33	SZ11
QQQQQ	I= 10	-54.28	-38.91	3.23	93.14	-1.30	13.06	1.47	J= 11
Q_Q_Q		-53.59		3.16		-1.02		1.48	
Q_Q_Q		-54.88		3.20		-1.40		1.48	
QQ_QQ		-53.79		3.22		-1.12		1.48	
QQ_QQ		-54.19		3.19		-1.30		1.48	
Q_QQ_Q		-55.05		3.20		-1.35		1.48	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-849.13	252.92	0.35	21.00	-74.03	56.64	4.67	
Deprem-X		-852.87		0.35		-76.53		4.67	
Deprem+Y		-70.79		13.19		-37.16		0.92	
Deprem-Y		-64.95		13.19		-33.25		0.80	
Rüzgar+X		-79.97	23.71	0.03		-7.24	5.35	0.43	
Rüzgar-X		-79.62		0.03		-7.01		0.43	
Rüzgar+Y		-10.20		1.91		-5.36		0.13	
Rüzgar-Y		-9.36		1.91		-4.79		0.11	
GGGGG	SZ11	10.30	-28.46	6.33	X _{ac} = 2.06m	17.59	42.08	6.31	SZ12
QQQQQ	I= 11	0.09	-6.81	1.47	37.70	6.39	9.92	1.42	J= 12
Q_Q_Q		-0.03		1.48		6.38		1.41	
Q_Q_Q		-0.04		1.48		6.40		1.42	
QQ_QQ		0.02		1.48		6.43		1.42	
QQ_QQ		-0.09		1.48		6.48		1.41	
Q_QQ_Q		0.16		1.48		6.26		1.41	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		69.40	15.44	4.67	21.00	-79.39	15.07	0.80	
Deprem-X		75.34		4.67		-81.65		1.17	
Deprem+Y		49.06		0.92		2.48		1.27	
Deprem-Y		39.77		0.80		6.02		0.68	
Rüzgar+X		7.20	1.98	0.43		-7.63	2.21	0.11	
Rüzgar-X		6.64		0.43		-7.42		0.08	
Rüzgar+Y		7.09		0.13		0.39		0.19	
Rüzgar-Y		5.74		0.11		0.90		0.11	

GGGGG	SZ12	-13.81	-35.13	6.31	X _{ac} = 2.01m	12.71	36.88	7.82	SZ13
QQQQQ	I= 12	-5.81	-8.63	1.42	34.74	1.98	6.64	1.48	J= 13
Q_Q_Q		-5.87		1.41		2.24		1.47	
Q_Q_Q		-5.60		1.42		1.98		1.48	
QQ_QQ		-5.76		1.42		2.03		1.48	
QQ_QQ		-5.73		1.41		1.99		1.48	
Q_QQ_Q		-5.81		1.41		2.16		1.48	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		22.05	23.97	0.80	21.00	-58.03	4.97	4.44	
Deprem-X		15.07		1.17		-67.75		5.41	
Deprem+Y		-25.14		1.27		-24.81		3.44	
Deprem-Y		-14.22		0.68		-9.60		1.92	
Rüzgar+X		1.19	3.37	0.11		-6.59	0.36	0.51	
Rüzgar-X		1.86		0.08		-5.66		0.42	
Rüzgar+Y		-3.69		0.19		-3.61		0.51	
Rüzgar-Y		-2.08		0.11		-1.37		0.29	
GGGGG	SZ13	-5.67	-20.57	7.82	X _{ac} = 0.00m	0.00	0.00	7.82	
QQQQQ	I= 13	-1.08	-3.94	1.48	0.00	0.00	0.00	1.48	
Q_Q_Q		-1.07		1.47		0.00		1.47	
Q_Q_Q		-1.08		1.48		0.00		1.48	
QQ_QQ		-1.08		1.48		0.00		1.48	
QQ_QQ		-1.08		1.48		0.00		1.48	
Q_QQ_Q		-1.08		1.48		0.00		1.48	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-3.85	16.27	4.44	21.00	0.00	0.00	4.44	
Deprem-X		-4.61		5.41		0.00		5.41	
Deprem+Y		-2.76		3.44		0.00		3.44	
Deprem-Y		-1.57		1.92		0.00		1.92	
Rüzgar+X		-0.43	1.53	0.51		0.00	0.00	0.51	
Rüzgar-X		-0.36		0.42		0.00		0.42	
Rüzgar+Y		-0.41		0.51		0.00		0.51	
Rüzgar-Y		-0.23		0.29		0.00		0.29	

T3 MÜTEMADİ TEMELİ B/D= 100/ 120 (tm)

Kombinasyon	sol M	sol V	sol Gz	Açıklık	sağ M	sağ V	sağ Gz		
GGGGG	0.00	0.00	0.00	X _{ac} = 0.00m	5.64	20.44	7.65	SZ14	
QQQQQ	0.00	0.00	0.00	0.00	1.06	3.85	1.43	J= 14	
Q_Q_Q	0.00		0.00		1.07		1.44		
Q_Q_Q	0.00		0.00		1.06		1.44		
QQ_QQ	0.00		0.00		1.06		1.43		
QQ_QQ	0.00		0.00		1.06		1.43		
Q_QQ_Q	0.00		0.00		1.06		1.44		
Zemin	0.00	0.00	0.00		0.00	0.00	0.00		
Deprem+X	0.00	0.00	0.00		-4.71	16.63	5.64		
Deprem-X	0.00		0.00		-3.89		4.58		
Deprem+Y	0.00		0.00		-1.72		2.16		
Deprem-Y	0.00		0.00		-2.99		3.82		
Rüzgar+X	0.00	0.00	0.00		-0.34	1.57	0.40		
Rüzgar-X	0.00		0.00		-0.42		0.50		
Rüzgar+Y	0.00		0.00		-0.25		0.32		
Rüzgar-Y	0.00		0.00		-0.44		0.56		
GGGGG	SZ14	-8.55	-35.07	7.65	X _{ac} = 1.72m	15.14	36.25	6.19	SZ15
QQQQQ	I= 14	-1.39	-6.32	1.43	36.71	5.82	8.65	1.38	J= 15
Q_Q_Q		-1.29		1.44		5.83		1.39	
Q_Q_Q		-1.60		1.44		5.94		1.39	
QQ_QQ		-1.51		1.43		5.90		1.38	
QQ_QQ		-1.33		1.43		5.80		1.38	
Q_QQ_Q		-1.47		1.44		5.87		1.39	
Zemin	0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00		
Deprem+X	-64.63	6.29	5.64	9.81	16.96	23.87	1.33		
Deprem-X	-55.86		4.58		23.45		0.91		
Deprem+Y	-6.29		2.16		-15.88		1.00		
Deprem-Y	-20.01		3.82		-26.03		1.66		
Rüzgar+X	-5.19	0.54	0.40		2.19	3.52	0.07		
Rüzgar-X	-6.02		0.50		1.57		0.11		
Rüzgar+Y	-0.91		0.32		-2.33		0.15		
Rüzgar-Y	-2.93		0.56		-3.83		0.25		

GGGGG	SZ15	-15.82	-42.35	6.19	Xac= 1.79m	-13.69	28.25	6.39	SZ16
QQQQQ	I= 15	-6.01	-9.92	1.38	35.46	-0.69	6.79	1.51	J= 16
Q Q Q		-6.17		1.39		-0.64		1.52	
Q Q Q		-5.99		1.39		-0.75		1.50	
QQ QQ		-5.95		1.38		-0.79		1.51	
QQ QQ		-6.15		1.38		-0.59		1.51	
Q QQ Q		-6.07		1.39		-0.68		1.50	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		-80.95	10.85	1.33	9.81	76.65	15.43	4.79	
Deprem-X		-78.91		0.91		71.65		4.80	
Deprem+Y		10.39		1.00		13.19		1.20	
Deprem-Y		7.20		1.66		21.02		1.30	
Rüzgar+X		-7.31	1.60	0.07		6.69	1.41	0.45	
Rüzgar-X		-7.50		0.11		7.16		0.45	
Rüzgar+Y		1.53		0.15		1.91		0.17	
Rüzgar-Y		1.07		0.25		3.05		0.18	
GGGGG	SZ16	18.24	-52.28	6.39	Xac= 2.48m	288.83	192.69	15.08	SZ10
QQQQQ	I= 16	1.18	-12.90	1.51	89.02	59.18	40.34	3.23	J= 10
Q Q Q		1.29		1.52		59.25		3.16	
Q Q Q		1.09		1.50		58.37		3.20	
QQ QQ		1.30		1.51		59.57		3.22	
QQ QQ		1.21		1.51		58.93		3.19	
Q QQ Q		1.01		1.50		58.16		3.20	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		-79.69	55.68	4.79	21.00	-865.08	261.79	0.35	
Deprem-X		-77.62		4.80		-866.65		0.35	
Deprem+Y		-7.20		1.20		45.38		13.19	
Deprem-Y		-10.44		1.30		47.83		13.19	
Rüzgar+X		-7.28	5.24	0.45		-81.23	24.53	0.03	
Rüzgar-X		-7.48		0.45		-81.08		0.03	
Rüzgar+Y		-1.03		0.17		6.57		1.91	
Rüzgar-Y		-1.50		0.18		6.92		1.91	
GGGGG	SZ10	-267.80	-186.51	15.08	Xac= 3.43m	-18.87	52.72	6.38	SZ17
QQQQQ	I= 10	-54.27	-38.89	3.23	93.20	-1.20	13.04	1.48	J= 17
Q Q Q		-53.69		3.16		-1.11		1.47	
Q Q Q		-54.93		3.20		-1.40		1.49	
QQ QQ		-53.88		3.22		-1.17		1.48	
QQ QQ		-54.22		3.19		-1.27		1.48	
Q QQ Q		-55.04		3.20		-1.26		1.49	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		-850.02	252.53	0.35	21.00	-75.94	56.19	4.69	
Deprem-X		-851.51		0.35		-73.97		4.70	
Deprem+Y		-45.28		13.19		10.92		1.46	
Deprem-Y		-42.95		13.19		7.83		1.31	
Rüzgar+X		-79.81	23.66	0.03		-6.94	5.28	0.44	
Rüzgar-X		-79.67		0.03		-7.12		0.44	
Rüzgar+Y		-6.55		1.91		1.57		0.21	
Rüzgar-Y		-6.22		1.91		1.12		0.19	
GGGGG	SZ17	9.64	-28.72	6.38	Xac= 2.05m	16.15	41.18	6.25	SZ18
QQQQQ	I= 17	-0.08	-6.85	1.48	38.86	6.16	9.72	1.39	J= 18
Q Q Q		0.00		1.47		6.20		1.40	
Q Q Q		-0.07		1.49		6.20		1.40	
QQ QQ		0.00		1.48		6.19		1.39	
QQ QQ		-0.16		1.48		6.28		1.40	
Q QQ Q		0.02		1.49		6.08		1.40	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		75.74	15.43	4.69	21.00	-81.04	11.64	1.23	
Deprem-X		69.96		4.70		-79.16		0.84	
Deprem+Y		-24.85		1.46		-8.19		1.54	
Deprem-Y		-15.81		1.31		-11.12		0.92	
Rüzgar+X		6.53	1.41	0.44		-7.34	1.72	0.07	
Rüzgar-X		7.07		0.44		-7.51		0.11	
Rüzgar+Y		-3.59		0.21		-1.21		0.23	
Rüzgar-Y		-2.28		0.19		-1.64		0.14	
GGGGG	SZ18	-10.83	-33.43	6.25	Xac= 1.94m	14.83	37.96	7.85	SZ19
QQQQQ	I= 18	-5.16	-8.19	1.39	34.75	2.50	6.81	1.46	J= 19
Q Q Q		-5.39		1.40		2.62		1.47	
Q Q Q		-5.07		1.40		2.41		1.48	
QQ QQ		-5.17		1.39		2.48		1.46	
QQ QQ		-5.17		1.40		2.44		1.47	
Q QQ Q		-5.26		1.40		2.62		1.47	
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X		13.36	26.23	1.23	21.00	-69.09	4.61	5.47	
Deprem-X		20.92		0.84		-59.12		4.48	
Deprem+Y		31.10		1.54		25.45		3.54	
Deprem-Y		19.28		0.92		9.87		2.11	
Rüzgar+X		1.96	3.85	0.07		-5.49	0.34	0.39	
Rüzgar-X		1.24		0.11		-6.44		0.49	
Rüzgar+Y		4.55		0.23		3.70		0.52	
Rüzgar-Y		2.80		0.14		1.41		0.31	

GGGGG	SZ19	-5.65	-20.48	7.85	Xac= 0.00m	0.00	0.00	7.85
QQQQQ	I= 19	-1.06	-3.86	1.46	0.00	0.00	0.00	1.46
Q Q Q		-1.07		1.47		0.00		1.47
Q Q Q		-1.07		1.48		0.00		1.48
QQ QQ		-1.06		1.46		0.00		1.46
QQ QQ		-1.07		1.47		0.00		1.47
Q QQ Q		-1.07		1.47		0.00		1.47
Zemin		0.00	0.00	0.00	Gzmax	0.00	0.00	0.00
Deprem+X		-4.67	16.50	5.47	21.00	0.00	0.00	5.47
Deprem-X		-3.88		4.48		0.00		4.48
Deprem+Y		2.90		3.54		0.00		3.54
Deprem-Y		1.66		2.11		0.00		2.11
Rüzgar+X		-0.34	1.52	0.39		0.00	0.00	0.39
Rüzgar-X		-0.42		0.49		0.00		0.49
Rüzgar+Y		0.43		0.52		0.00		0.52
Rüzgar-Y		0.25		0.31		0.00		0.31

T4 MÜTEMADI TEMELİ E/D= 100/ 120 (tm)

Kombinasyon	sol M	sol V	sol Gz	Açıklık	sağ M	sağ V	sağ Gz		
GGGGG	0.00	0.00	0.00	Xac= 0.00m	108.34	91.18	13.59	SZ20	
QQQQQ	0.00	0.00	0.00	0.00	16.31	13.90	2.12	J= 20	
Q Q Q	0.00		0.00		16.41		2.10		
Q Q Q	0.00		0.00		16.31		2.10		
QQ QQ	0.00		0.00		16.41		2.11		
QQ QQ	0.00		0.00		16.32		2.11		
Q QQ Q	0.00		0.00		16.23		2.11		
Zemin	0.00	0.00	0.00		0.00	0.00	0.00		
Deprem+X	0.00	0.00	0.00		-167.07	107.46	3.27		
Deprem-X	0.00		0.00		-148.00		3.49		
Deprem+Y	0.00		0.00		16.05		7.25		
Deprem-Y	0.00		0.00		-13.78		9.38		
Rüzgar+X	0.00	0.00	0.00		-13.50	9.86	0.31		
Rüzgar-X	0.00		0.00		-15.34		0.29		
Rüzgar+Y	0.00		0.00		2.02		1.02		
Rüzgar-Y	0.00		0.00		-2.42		1.32		
GGGGG	SZ20	-110.17	-74.89	13.59	Xac= 3.75m	-0.89	28.79	8.71	SZ21
QQQQQ	I= 20	-17.82	-12.11	2.12	50.02	1.79	5.87	1.68	J= 21
Q Q Q		-16.94		2.10		1.84		1.67	
Q Q Q		-17.37		2.10		1.90		1.67	
QQ QQ		-17.22		2.11		1.91		1.67	
QQ QQ		-17.50		2.11		1.77		1.67	
Q QQ Q		-17.85		2.11		1.79		1.67	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00		
Deprem+X	-587.10	145.48	3.27	16.73	-41.00	59.60	7.20		
Deprem-X	-474.61		3.49		-30.66		5.57		
Deprem+Y	-172.77		7.25		-26.03		4.34		
Deprem-Y	-348.65		9.38		-42.21		6.89		
Rüzgar+X	-43.46	16.50	0.31		-2.83	5.50	0.51		
Rüzgar-X	-54.11		0.29		-3.81		0.66		
Rüzgar+Y	-24.81		1.02		-3.76		0.60		
Rüzgar-Y	-50.58		1.32		-6.14		0.97		
GGGGG	SZ21	-4.31	-25.27	8.71	Xac= 1.85m	12.37	28.78	7.94	SZ22
QQQQQ	I= 21	-2.43	-5.34	1.68	30.77	3.06	5.67	1.64	J= 22
Q Q Q		-2.64		1.67		3.09		1.63	
Q Q Q		-2.38		1.67		3.00		1.64	
QQ QQ		-2.45		1.67		3.10		1.64	
QQ QQ		-2.55		1.67		3.07		1.63	
Q QQ Q		-2.40		1.67		2.97		1.64	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00		
Deprem+X	31.21	18.07	7.20	16.73	-53.67	22.88	0.82		
Deprem-X	24.94		5.57		-47.97		0.54		
Deprem+Y	21.96		4.34		5.38		6.37		
Deprem-Y	31.77		6.89		-3.53		6.69		
Rüzgar+X	2.31	1.66	0.51		-4.46	3.20	0.05		
Rüzgar-X	2.90		0.66		-5.00		0.07		
Rüzgar+Y	3.17		0.60		0.70		0.90		
Rüzgar-Y	4.62		0.97		-0.62		0.94		

GGGGG	SZ22	-11.58	-27.54	7.94	X _{ac} = 2.05m	10.21	27.75	8.71	SZ23
QQQQQ	I= 22	-2.85	-5.65	1.64	27.99	3.01	5.90	1.78	J= 23
Q Q Q		-2.72		1.63		2.84		1.77	
Q Q Q		-2.97		1.64		3.11		1.78	
QQ QQ		-2.82		1.64		2.95		1.78	
QQ QQ		-2.77		1.63		2.95		1.77	
Q QQ Q		-2.94		1.64		3.06		1.78	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-0.51	14.86	0.82	16.73	11.67	19.46	1.12	
Deprem-X		-4.58		0.54		4.41		0.75	
Deprem+Y		-3.76		6.37		2.28		7.72	
Deprem-Y		2.60		6.69		13.63		7.31	
Rüzgar+X		-0.47	2.06	0.05		0.35	2.72	0.07	
Rüzgar-X		-0.08		0.07		1.04		0.10	
Rüzgar+Y		-0.46		0.90		0.24		1.09	
Rüzgar-Y		0.47		0.94		1.90		1.03	
GGGGG	SZ23	-8.10	-33.81	8.71	X _{ac} = 2.18m	-0.52	32.65	12.15	SZ24
QQQQQ	I= 23	-2.63	-6.62	1.78	47.64	1.78	6.64	2.29	J= 24
Q Q Q		-2.61		1.77		2.01		2.27	
Q Q Q		-2.63		1.78		1.77		2.26	
QQ QQ		-2.69		1.78		1.90		2.29	
QQ QQ		-2.55		1.77		1.79		2.27	
Q QQ Q		-2.65		1.78		1.84		2.27	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-66.95	30.13	1.12	16.73	29.50	26.69	9.59	
Deprem-X		-57.77		0.75		22.87		7.31	
Deprem+Y		0.61		7.72		-37.45		10.12	
Deprem-Y		-13.75		7.31		-27.09		6.55	
Rüzgar+X		-5.35	4.24	0.07		2.12	2.46	0.67	
Rüzgar-X		-6.22		0.10		2.75		0.88	
Rüzgar+Y		0.18		1.09		-5.43		1.43	
Rüzgar-Y		-1.92		1.03		-3.91		0.91	
GGGGG	SZ24	9.90	-2.63	12.15	X _{ac} = 1.34m	124.99	51.77	17.73	SZ25
QQQQQ	I= 24	-0.46	-1.22	2.29	-10.84	20.05	8.17	2.80	J= 25
Q Q Q		-0.53		2.27		19.19		2.77	
Q Q Q		-0.64		2.26		19.12		2.77	
QQ QQ		-0.46		2.29		19.80		2.79	
QQ QQ		-0.63		2.27		19.39		2.78	
Q QQ Q		-0.51		2.27		19.37		2.77	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-43.14	82.24	9.59	22.46	-577.46	124.47	1.81	
Deprem-X		-31.43		7.31		-464.62		2.41	
Deprem+Y		51.70		10.12		356.78		13.16	
Deprem-Y		33.40		6.55		180.36		9.82	
Rüzgar+X		-2.90	7.59	0.67		-42.54	13.62	0.21	
Rüzgar-X		-4.01		0.88		-53.22		0.17	
Rüzgar+Y		7.49		1.43		51.70		1.86	
Rüzgar-Y		4.81		0.91		25.86		1.38	
GGGGG	SZ25	-134.59	-116.24	17.73	X _{ac} = 0.00m	0.00	0.00	17.73	
QQQQQ	I= 25	-20.33	-17.81	2.80	0.00	0.00	0.00	2.80	
Q Q Q		-20.40		2.77		0.00		2.77	
Q Q Q		-20.40		2.77		0.00		2.77	
QQ QQ		-20.34		2.79		0.00		2.79	
QQ QQ		-20.39		2.78		0.00		2.78	
Q QQ Q		-20.38		2.77		0.00		2.77	
Zemin		0.00	0.00	0.00	G _{zmax}	0.00	0.00	0.00	
Deprem+X		-168.88	105.08	1.81	22.46	0.00	0.00	1.81	
Deprem-X		-152.36		2.41		0.00		2.41	
Deprem+Y		-4.15		13.16		0.00		13.16	
Deprem-Y		-30.00		9.82		0.00		9.82	
Rüzgar+X		-13.90	9.64	0.21		0.00	0.00	0.21	
Rüzgar-X		-15.50		0.17		0.00		0.17	
Rüzgar+Y		-0.11		1.86		0.00		1.86	
Rüzgar-Y		-3.98		1.38		0.00		1.38	

T5 MÜTEMADİ TEMELİ B/D= 100/ 120 (tm)

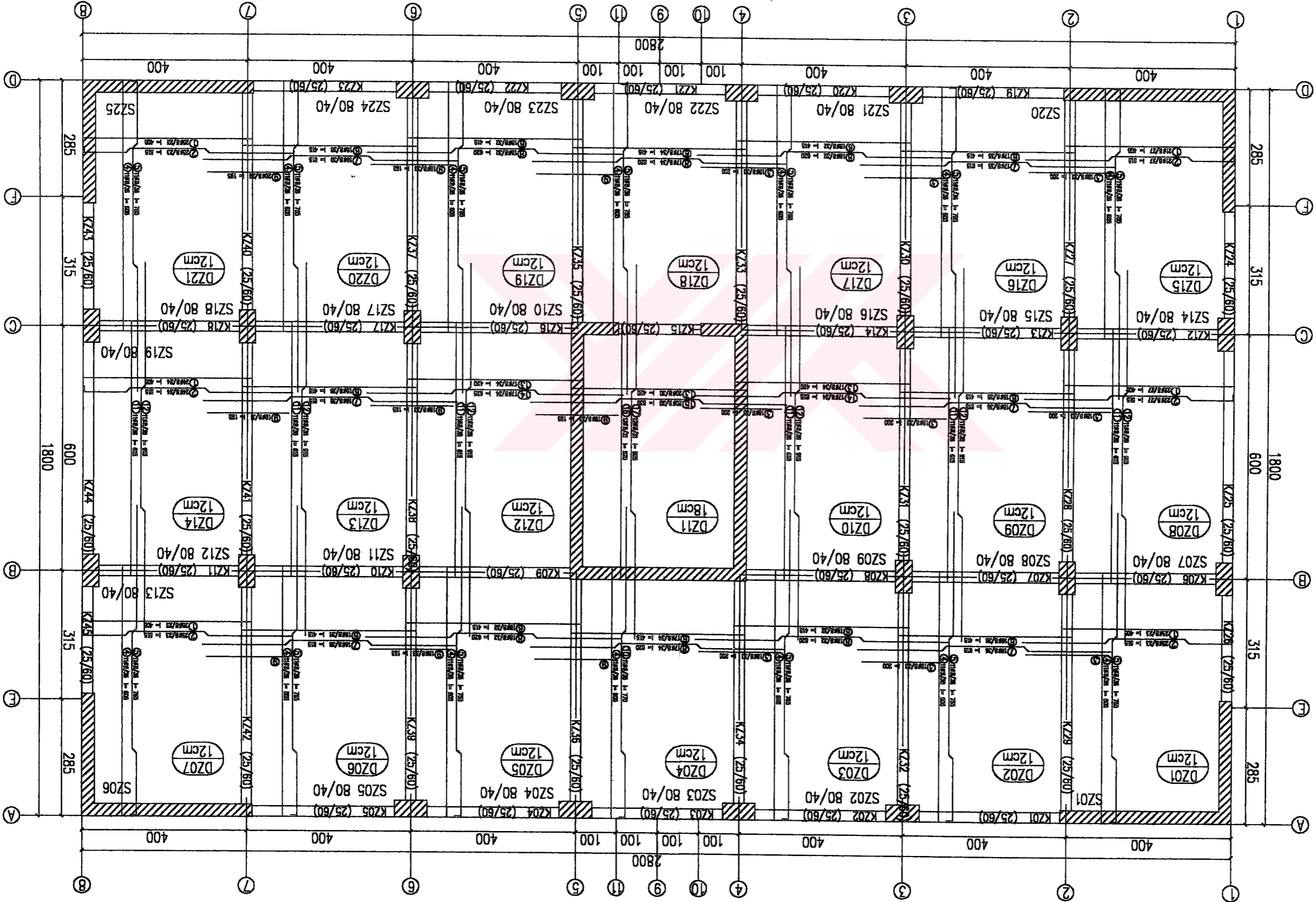
Kombinasyon	sol M	sol V	sol Gz	Açıklık	sağ M	sağ V	sağ Gz	
GGGGG	0.00	0.00	0.00	Xac= 0.00m	51.22	53.92	12.74	SZ01
QQQQQ	0.00	0.00	0.00	0.00	7.59	8.07	1.98	J= 1
Q_Q_Q	0.00		0.00		7.66		1.99	
Q_Q_Q	0.00		0.00		7.58		1.98	
QQ_QQ	0.00		0.00		7.55		1.98	
QQ_QQ	0.00		0.00		7.63		1.98	
Q_QQ_Q	0.00		0.00		7.63		1.99	
Zemin	0.00	0.00	0.00		0.00	0.00	0.00	
Deprem+X	0.00	0.00	0.00		-1.15	46.65	6.94	
Deprem-X	0.00		0.00		6.92		7.00	
Deprem+Y	0.00		0.00		-36.54		6.68	
Deprem-Y	0.00		0.00		-49.16		9.51	
Rüzgar+X	0.00	0.00	0.00		0.85	6.62	0.64	
Rüzgar-X	0.00		0.00		0.09		0.63	
Rüzgar+Y	0.00		0.00		-5.18		0.93	
Rüzgar-Y	0.00		0.00		-7.00		1.34	
GGGGG SZ01	-4.64	-22.97	12.74	Xac= 1.93m	-3.21	15.84	7.55	SZ07
QQQQQ I= 1	-0.95	-3.35	1.98	28.13	1.69	3.31	1.43	J= 7
Q_Q_Q	-0.42		1.99		1.38		1.42	
Q_Q_Q	-1.10		1.98		1.73		1.43	
QQ_QQ	-1.25		1.98		1.70		1.43	
QQ_QQ	-0.60		1.98		1.44		1.43	
Q_QQ_Q	-0.69		1.99		1.68		1.42	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X	79.40	29.81	6.94	14.72	-3.60	15.06	5.14	
Deprem-X	116.00		7.00		-17.75		6.22	
Deprem+Y	-102.24		6.68		49.02		2.31	
Deprem-Y	-159.48		9.51		71.13		4.00	
Rüzgar+X	11.48	2.88	0.64		-1.84	2.43	0.59	
Rüzgar-X	7.95		0.63		-0.55		0.48	
Rüzgar+Y	-15.48		0.93		6.77		0.34	
Rüzgar-Y	-24.01		1.34		9.89		0.59	
GGGGG SZ07	0.11	-23.28	7.55	Xac= 2.98m	-0.58	23.07	7.51	SZ14
QQQQQ I= 7	-2.14	-4.77	1.43	56.33	1.68	4.58	1.40	J= 14
Q_Q_Q	-2.23		1.42		1.98		1.41	
Q_Q_Q	-1.96		1.43		1.64		1.41	
QQ_QQ	-2.07		1.43		1.72		1.40	
QQ_QQ	-2.26		1.43		1.89		1.40	
Q_QQ_Q	-2.03		1.42		1.65		1.41	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X	-1.02	31.58	5.14	14.72	-16.51	31.70	6.49	
Deprem-X	14.86		6.22		-0.86		5.38	
Deprem+Y	-55.32		2.31		-54.73		2.31	
Deprem-Y	-80.15		4.00		-79.19		4.05	
Rüzgar+X	1.60	4.47	0.59		0.13	4.49	0.48	
Rüzgar-X	0.14		0.48		-1.30		0.58	
Rüzgar+Y	-7.75		0.34		-7.66		0.34	
Rüzgar-Y	-11.27		0.59		-11.14		0.59	
GGGGG SZ14	3.52	-16.46	7.51	Xac= 2.62m	1.41	22.37	12.84	SZ20
QQQQQ I= 14	-1.32	-3.58	1.40	30.67	-0.86	3.04	2.04	J= 20
Q_Q_Q	-1.15		1.41		-0.43		2.02	
Q_Q_Q	-1.46		1.41		-0.03		2.02	
QQ_QQ	-1.29		1.40		-0.56		2.03	
QQ_QQ	-1.16		1.40		-0.65		2.03	
Q_QQ_Q	-1.46		1.41		-0.29		2.03	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X	18.93	14.96	6.49	15.98	-120.79	31.29	7.48	
Deprem-X	5.03		5.38		-83.91		7.31	
Deprem+Y	48.13		2.31		-101.56		6.37	
Deprem-Y	69.84		4.05		-159.22		9.09	
Rüzgar+X	0.29	2.42	0.48		-7.31	2.99	0.66	
Rüzgar-X	1.55		0.58		-10.86		0.68	
Rüzgar+Y	6.64		0.34		-15.38		0.89	
Rüzgar-Y	9.70		0.59		-23.97		1.28	
GGGGG SZ20	-56.21	-59.12	12.84	Xac= 0.00m	0.00	0.00	12.84	
QQQQQ I= 20	-8.65	-9.15	2.04	0.00	0.00	0.00	2.04	
Q_Q_Q	-8.56		2.02		0.00		2.02	
Q_Q_Q	-8.52		2.02		0.00		2.02	
QQ_QQ	-8.61		2.03		0.00		2.03	
QQ_QQ	-8.60		2.03		0.00		2.03	
Q_QQ_Q	-8.56		2.03		0.00		2.03	
Zemin	0.00	0.00	0.00	Gzmax	0.00	0.00	0.00	
Deprem+X	-6.73	48.67	7.48	15.98	0.00	0.00	7.48	
Deprem-X	1.62		7.31		0.00		7.31	
Deprem+Y	-38.36		6.37		0.00		6.37	
Deprem-Y	-51.41		9.09		0.00		9.09	
Rüzgar+X	0.18	6.91	0.66		0.00	0.00	0.66	
Rüzgar-X	-0.60		0.68		0.00		0.68	
Rüzgar+Y	-5.44		0.89		0.00		0.89	
Rüzgar-Y	-7.32		1.28		0.00		1.28	

BETONARME BİNANIN MALİYET ANALİZİ							
KAT		BETON	BİRİM	KALIP	BİRİM	DEMİR	BİRİM
1	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.46	M ³	214.33	M ²	2908	KG
	KOLON	80.08	M ³	567.2	M ²	8823.1	KG
2	TOPLAM	162.97	M ³	1231.72	M ²	14982.7	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.46	M ³	214.33	M ²	3192.6	KG
	KOLON	60.06	M ³	425.4	M ²	6522.2	KG
3	TOPLAM	142.95	M ³	1089.92	M ²	12966.4	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.46	M ³	214.33	M ²	3443.8	KG
	KOLON	60.06	M ³	425.4	M ²	6456.3	KG
4	TOPLAM	142.95	M ³	1089.92	M ²	13151.7	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.46	M ³	214.33	M ²	3638.5	KG
	KOLON	60.06	M ³	425.4	M ²	6456.3	KG
5	TOPLAM	142.95	M ³	1089.92	M ²	13346.4	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.91	M ³	218.11	M ²	3766.9	KG
	KOLON	55.56	M ³	407.4	M ²	5979.6	KG
6	TOPLAM	138.9	M ³	1075.7	M ²	12998.1	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.91	M ³	218.11	M ²	3855.7	KG
	KOLON	55.56	M ³	407.4	M ²	5979.6	KG
7	TOPLAM	138.9	M ³	1075.7	M ²	13086.9	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.91	M ³	218.11	M ²	3965.4	KG
	KOLON	55.56	M ³	407.4	M ²	5979.6	KG
8	TOPLAM	138.9	M ³	1075.7	M ²	13196.6	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	27.91	M ³	218.11	M ²	3872.6	KG
	KOLON	55.56	M ³	407.4	M ²	5979.6	KG
9	TOPLAM	138.9	M ³	1075.7	M ²	13103.8	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3251.6	KG
	KİRİŞ	28.36	M ³	221.88	M ²	3767.4	KG
	KOLON	51.66	M ³	389.4	M ²	5510.4	KG
10	TOPLAM	135.45	M ³	1061.47	M ²	12529.4	KG
	DÖŞEME	55.43	M ³	450.19	M ²	3051.4	KG
	KİRİŞ	28.36	M ³	221.88	M ²	3321.1	KG
	KOLON	51.66	M ³	389.4	M ²	5622.9	KG
TEMEL	TOPLAM	135.45	M ³	1061.47	M ²	11995.4	KG
GENEL TOPLAM		1751.65	M3	11352.97	M2	186.84	TON

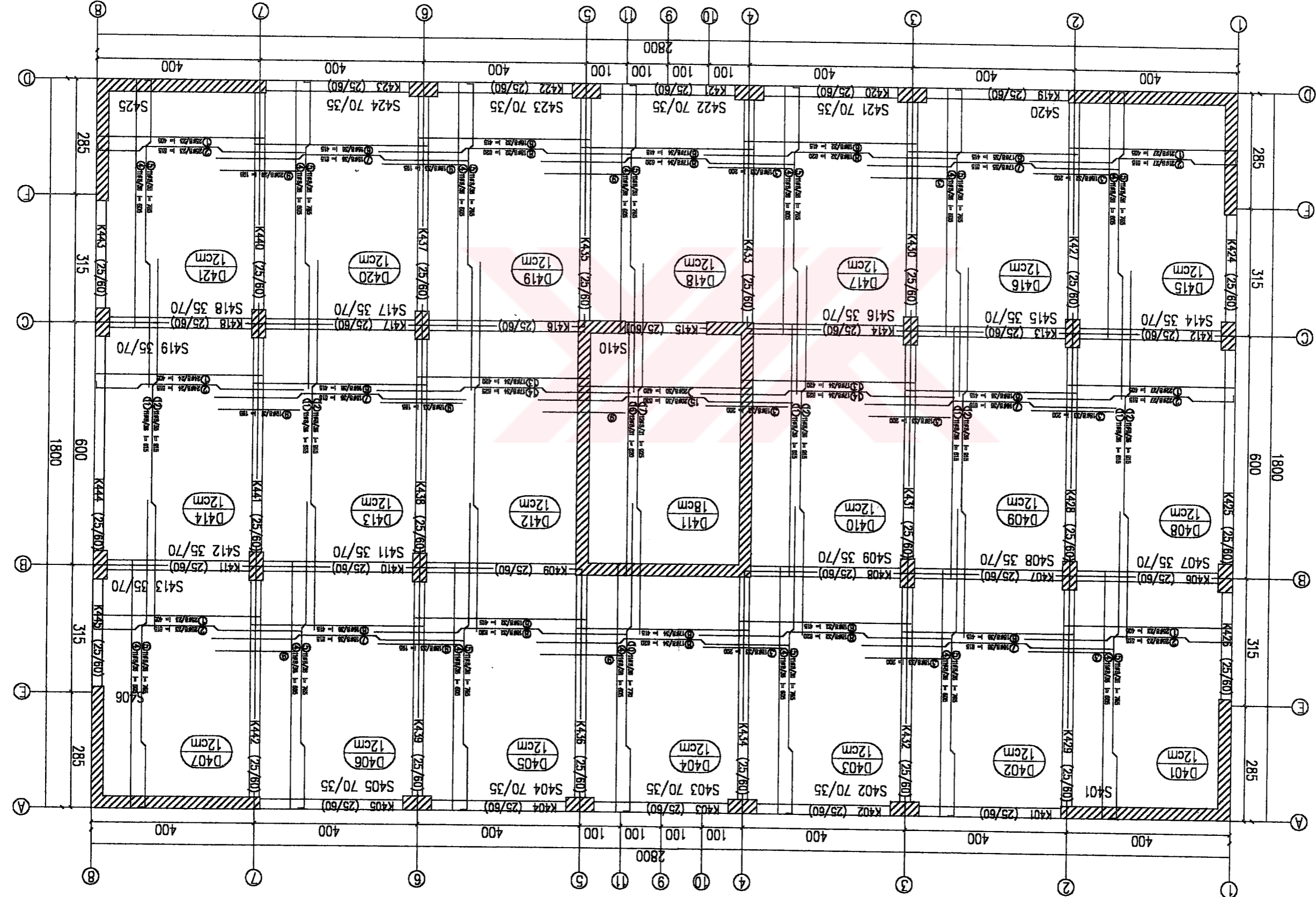
PROJE		ZEMİN 1. 2. 3. KAT KALIP PLANI (1/100)	
YATAY BAKIŞ		PATLA	AMA
PROJE MÜHÜRÜ		BİLGİLERİ ÖZETİ	
ÇİZİM		BİLGİLERİ ÖZETİ	

MALZEME
 BETON SINIFI : C25 (fck: 25MPa)
 ÇELİK SINIFI : S420 (fyk: 420MPa)
 Etiketler için bakınız. Aşağıdaki çizim için bakınız.
 Çizim ölçeği: 1/100

ZEMİN 1. 2. 3. KAT KALIP PLANI (1/100)

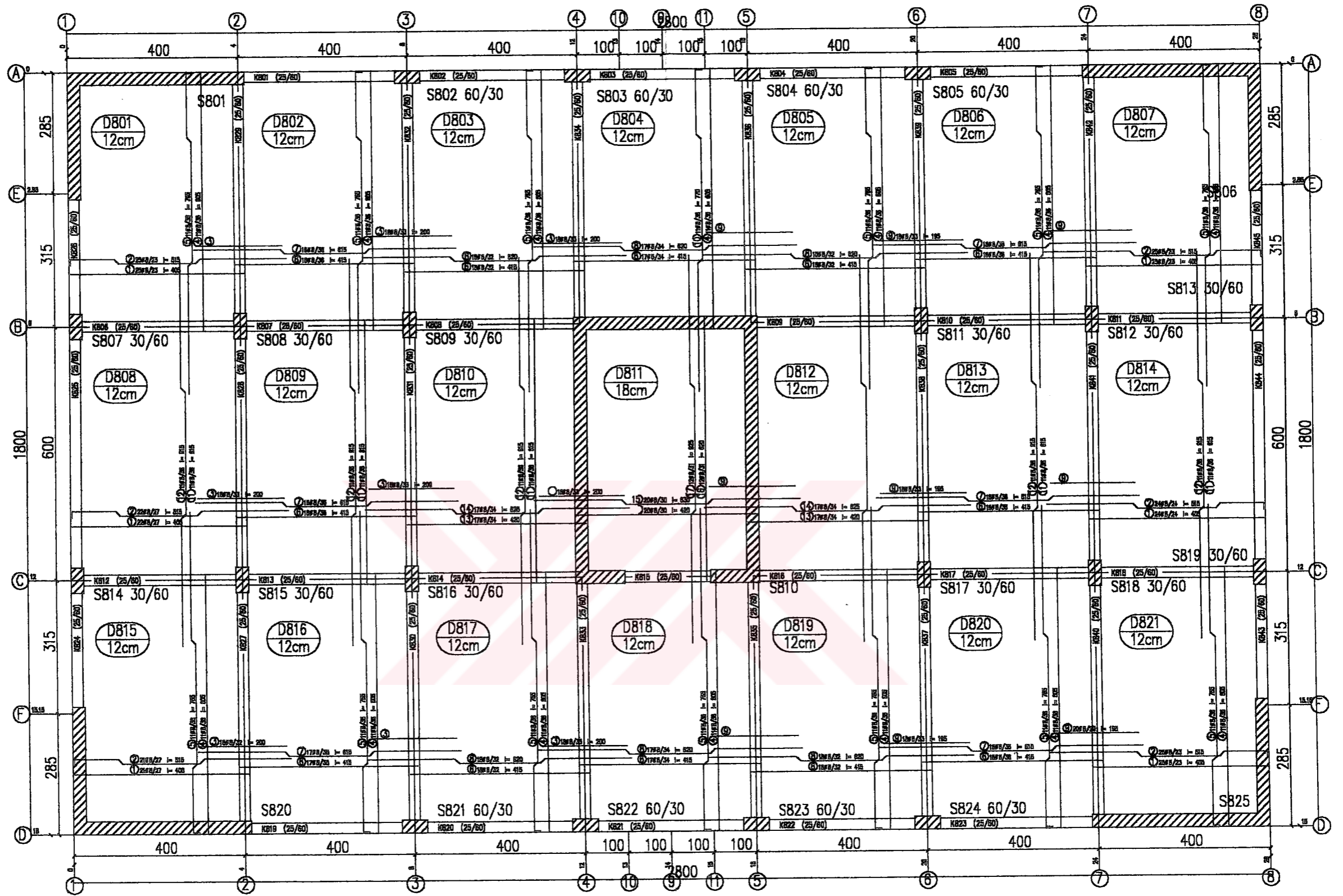


4. 5. 6. 7. NORMAL KAT KALIP PLANI (1/100)



MALZEME
 BETON SINIFI : C25 (fck:25MPa)
 ÇELİK SINIFI : S420 (fyk:420MPa)

PROJE		10 KATLI İS MERKEZİ PROJESİ	
4. 5. 6. 7. KAT KALIP PLANI (1/100)		YAPISI	
DUA VEZİ		PARSEL	
PROJE MÜHÜRÜ		YAPISI	
DUA VEZİ		YAPISI	
BİREYİNİ ÇİZİMİ		YAPISI	



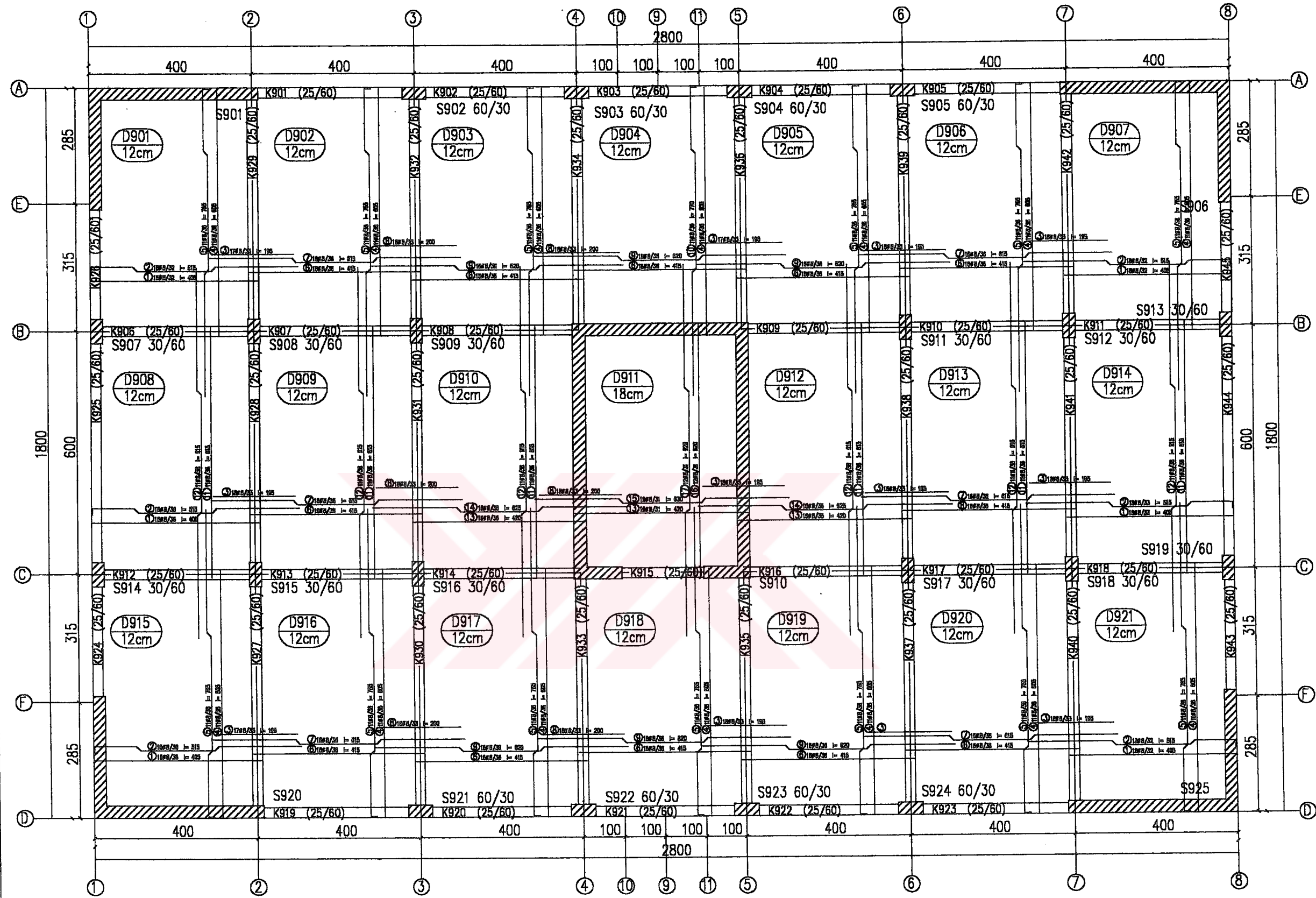
8. NORMAL KAT KALIP PLANI (1/100)

MALZEME

BETON SINIFI : C25 (fck: 25MPa)
 ÇELİK SINIFI : S420 (fyk: 420MPa)

Ekli her bir katman için 1/100 ölçeğinde yapı detayları gösterilmiştir. Proje 1/100 ölçeğindedir.

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
8. KAT KALIP PLANI (1/100)			
YAPİ BİREBİR	PAFTA	ADA	PARSEL
ONAY			
PROJE MÜHÜRÜ	ONAY	BELEDİYE ONAYI	



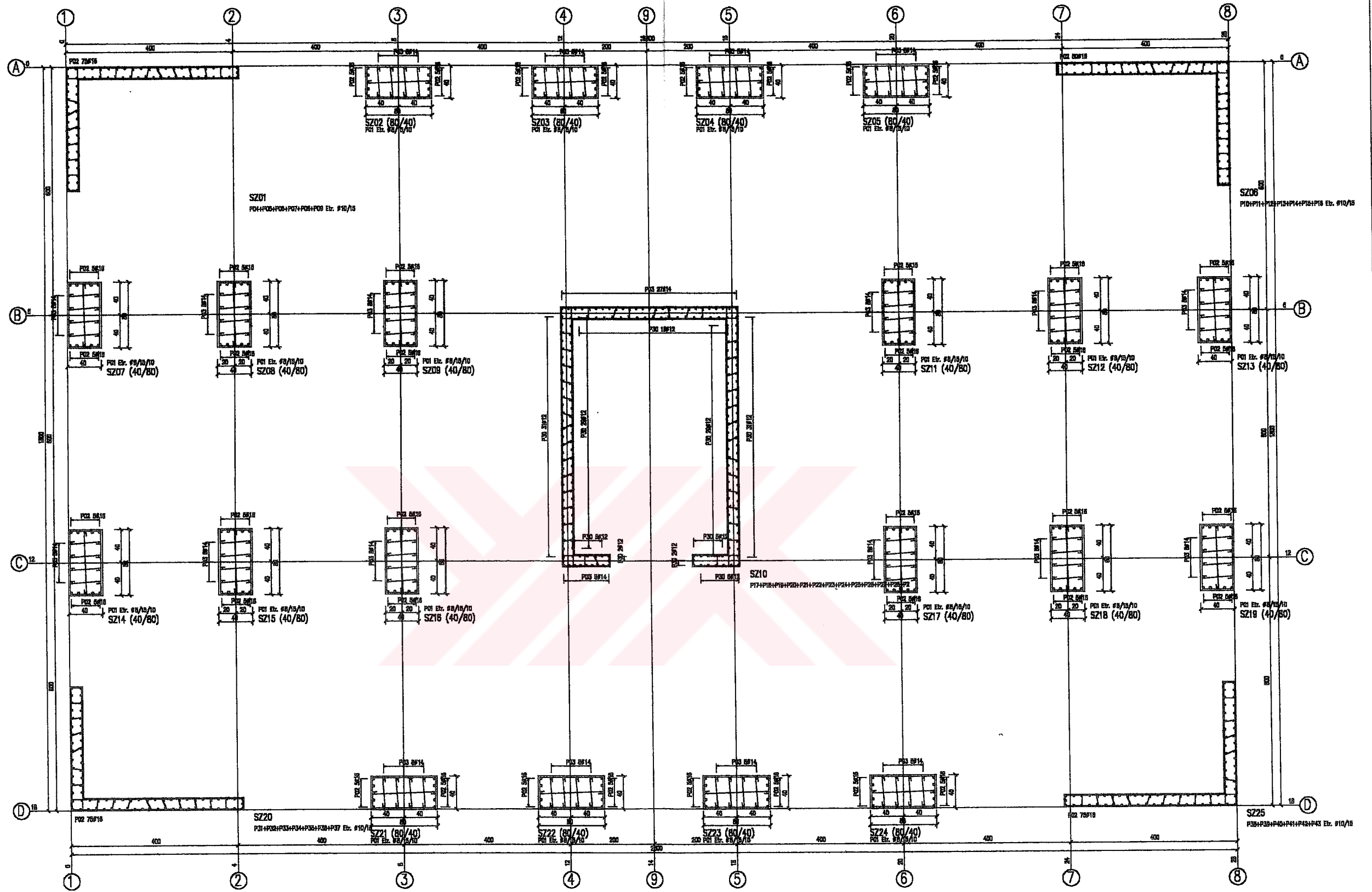
9. NORMAL KAT KALIP PLANI (1/100)

MALZEME

BETON SINIFI : C25 (fck: 25MPa)
 ÇELİK SINIFI : S420 (fyk: 420MPa)

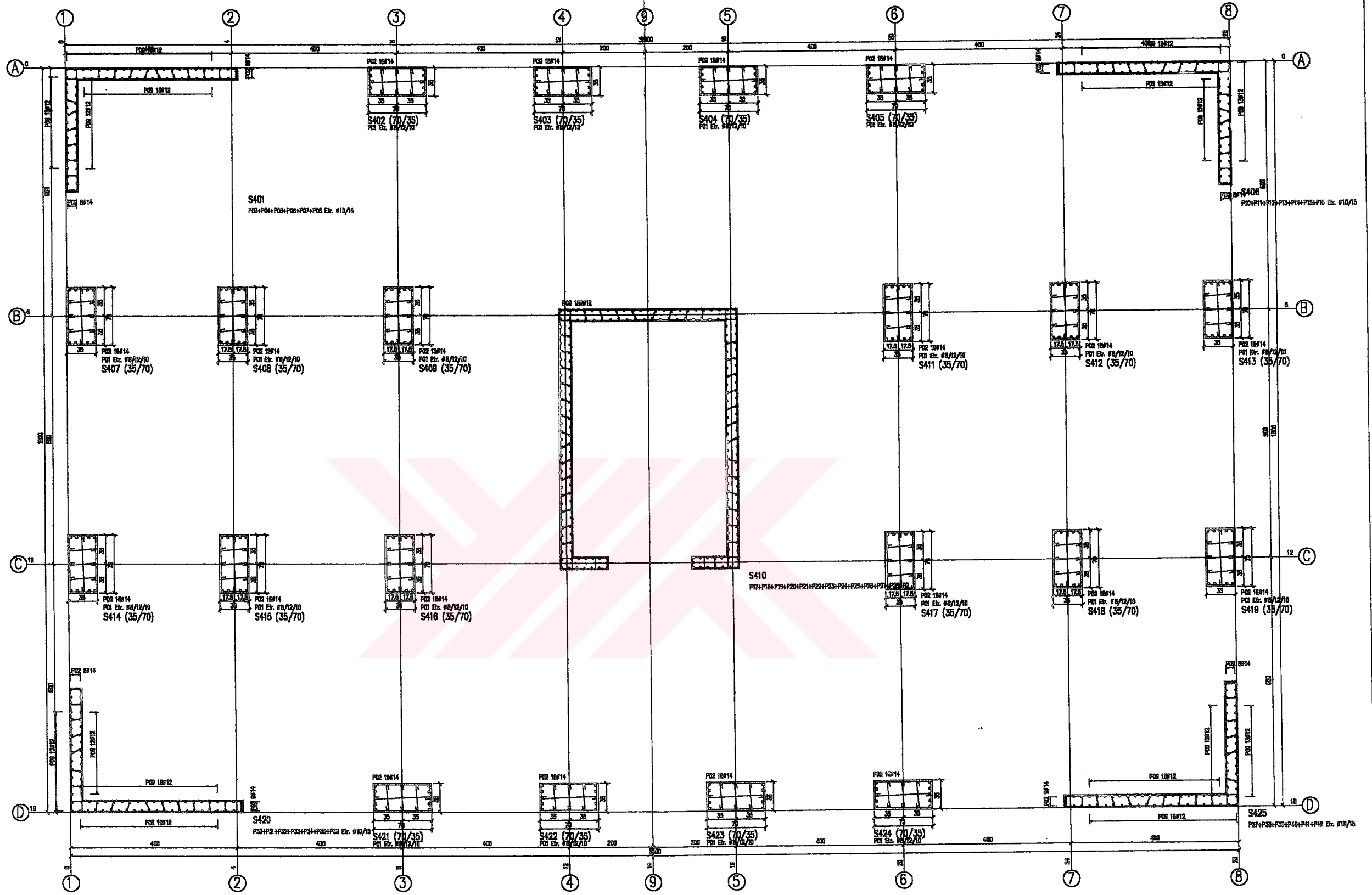
Ekli her birine istenilen An : 4
 Ekli diğer istenilen H : 1
 Yapı ölçümü istenilen Paşapay : 1,0cm

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
9. KAT KALIP PLANI (1/100)			
YAPİ SAHİBİ	PAFTA	ADA	PARSEL
PROJE MÜELLİFİ		ONAY	BELEDİYE ONAYI
		ODA MZESİ	



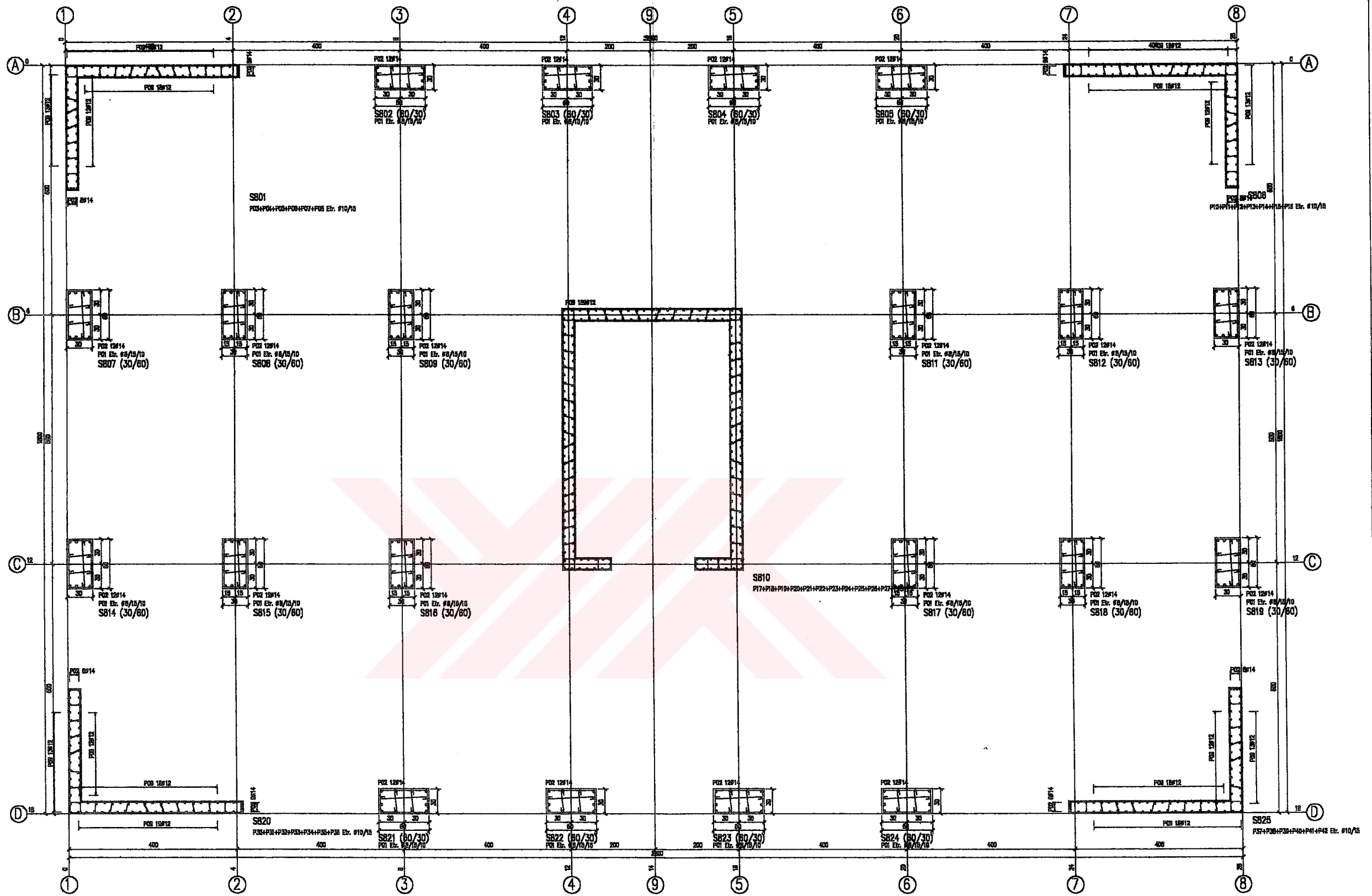
ZEMİN 1. 2. 3. KAT KOLON APLİKASYON PLANI (1/100)

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
ZEMİN 1. 2. 3. KAT KOLON APLİKASYON PLANI (1/100)			
YAPI BAHİSİ	PAFTA	ADA	PARSEL
ONAY			
PROJE MÜHÜRÜ	ADA VEZESİ	BELEDİYE ONAYI	



4. 5. 6. 7. NORMAL KAT KOLON APLİKASYON PLANI (1/100)

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
4. 5. 6. 7. KAT KOLON APLİKASYON PLANI (1/100)			
YAPİ SAHİBİ	PAFTA	ADA	PARSEL
ONAY			
PROJE İNŞAATÇISI	ŞEHİR MÜHÜRÜ	BELEDİYE ONAYI	



8. 9. NORMAL KAT KOLON APLIKASYON PLANI (1/100)

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
8. 9. KAT KOLON APLIKASYON PLANI (1/100)			
YAPİ SAHİBİ	PAFTA	ADA	PARSEL
ORJAN			
PROJE İMARETİ	ODM VEZESİ	BELEDİYE ORJANI	

EK 2 – SİSTEMİN ÇELİK ANALİZİ VE ÇİZİMLER

DÖŞEME YÜK ANALİZLERİ

NORMAL KAT

	B. A. (t/m ²)	Kalınlık (m)	Ağırlık (t/m ²)
10 cm beton plak	2.5	0.1	0.25
kaplama fayans	2.20	0.01	0.022
kaplama harcı	2.20	0.02	0.044
tesviye betonu	2.00	0.03	0.060
konstrüksiyon	0.01	1.00	0.010
asma tavan (2 cm alçı) (t/m ²)	0.02		0.020
			g = 0.406 t/m ²
			q = 0.35 t/m ²

Kirişlere gelen yükler		
	dış	iç
g =	1.218	2.436 t/m
q =	1.05	2.1 t/m

Kat Alanı	$A = x \times y = 28 \times 18 = 504$	m ²	dış cepheli	13 cm ytuğ
Döşeme Ağırlığı	$W_g = 0,406 \times 504 = 205$	t	1.518	3.036
	$W_q = 0,35 \times 504 = 176$	t		
İtbari Ağırlık	$W_z = W_g + n \times W_q$			

n : Hareketli Yük Katılım Katsayısı Yapımızın kullanım amacı iş yeri olduğu için 97 ABYYHY gereği n=0,3 tür.
 $W_{döşeme} = 258$ t

ÇATI KATI

	B. A. (t/m ²)	Kalınlık (m)	Ağırlık (t/m ²)
kaplama su izolasyonu (t/m ²)	0.020		0.020
şap	2.000	0.04	0.080
kar yükü	0.075		0.075
10 cm beton plak	2.500	0.10	0.250
konstrüksiyon	0.010	1.00	0.010
asma tavan (2 cm alçı) (t/m ²)	0.020		0.020
			g = 0.455 t/m ²
			q = 0.15 t/m ²

Kirişlere gelen yükler		
	dış	iç
g =	1.365	2.73 t/m
q =	0.45	0.9 t/m

Kat Alanı	$A = x \times y = 28 \times 18 = 504$	m ²		
Döşeme Ağırlığı	$W_g = 0,455 \times 504 = 229$	t		
	$W_q = 0,35 \times 504 = 76$	t		
İtbari Ağırlık	$W_z = W_g + n \times W_q$			
n : Hareketli Yük Katılım Katsayısı	Yapımızın kullanım amacı iş yeri olduğu için 97 ABYYHY gereği n=0,3 tür.			
	$W_{döşeme} = 252$	t		

KOMPOZİT KİRİŞ HESABI

→ SEÇİLMELİ <i>ve</i> veya GİRİLMELİDİR			
→	PROFİL	I 120	
→	Profil üst başlık kalınlık	7.7	mm
→	Profil alt başlık kalınlık	7.7	mm
↓	Profil Yükseklik	120	mm
↓	Gövde Yükseklik	104.6	mm
→	Üst Başlık Genişlik	66	mm
→	Alt Başlık Genişlik	66	mm
→	Gövde Kalınlık	5.7	mm
→	Beton Sınıfı	4	seç →
→	Profil Ağırlığı	14.4	kg/m
→	Doğama Kalınlık	10	cm
→	Açıklık	4	m
→	Aralık	1	m
→	α_s	0.94	
→	σ_F	2	t/cm ²
→	α_H	0.74	
→	γ	2.5	t/m ³
→	Pas payı	25	mm
→	Donatı Sınıfı	2	seç →
→	β	1.7	
↓			
→	g	0.406	t/m
→	q	0.35	t/m ²
↓	f _{ctk}	0.3	t/cm ²
↓	f _{yk}	4.2	t/cm ²
↓	σ_{cs}	0.3	
↓			
→	donatı adedi	5	adet
→	donatı çapı	8	mm
↓			
↓	E _s	2100000	
↓	E _c	300000	
	karakteristik aksenal çekme dayanımı		
	f _{ctk}	1.8	Mpa
	güvenlik katsayıları		
→	γ_s	1.5	
→	γ_c	1.15	
	minimum enine donatı çapı		
→	min. Enine donatı çapı	8	

1	C 16
2	C 18
3	C 20
4	C 25
5	C 30

1	S 220
2	S 420
3	S 500

KARMA KESİDİN POZİTİF MOMENT TAŞIMA GÜCÜ (AISC)			
b_{eff}	$I_x = 100$	cm	Etkili tabla genişliği
	$I/4 = 100$	cm	
	$16d + b_{ao} = 226$	cm	
	$F_a = 16.13$	cm ²	
		$b_{eff} = 100$	cm
		Profil Kesit Alanı	
	$Z = 30.32t$		
	$y = 1.37 < d = 10$		
	$hao = 6$	cm	
	$hau = 6$	cm	

$y < d$ ise kesitçe taşınabilecek en büyük moment	
$M_u = 464.37$	tcm = 4.64 tm

Kesme Kuvvetinden etkileşim gözönüne alınmadan moment taşıma gücü			
$W_{pa} =$ Mukavemet Momenti			
$W_{pa} = 72.66$	cm ³		
$M_{pa} = 137$	tcm = 1.37	tm	
$Z' = 13.19$	t	$h_t = h_a + d$	Tüm Kesit Boyu
$y' = 13.5$	cm	$ht = 220$	mm
$\Delta M_1 = 178.04$	tcm = 1.78	tm	
$y'' = 6.15$	cm	$ y'' = 6.15$	cm
$\Delta M_2 = 40.58$	tcm = 0.41	tm	
$ -M_u = M_{pa} + \Delta M_1 - \Delta M_2 = 274.067$	tcm = 2.74	tm	

Kesme Kuvvetinden Etkileşim gözönüne alınarak gerçek negatif moment taşıma gücünün belirlenmesi			
$g_1 = 0.406$		$q = 0.350$	t/m
$g_0 = 0.0144$			
$g = g_1 + g_0 = 0.420$	t/m	$p = g + q = 0.77$	t/m
		$q^* = 1.31$	t/m
$Q_{ic} = 3.30$	t		
İki açıklıklı sürekli kirişin iç mesnet kesme kuvveti için verilen bu bağıntıdaki yaklaşıklıkta $ -M_u $ taşıma gücünün aslında az farklılık gösteren gereçek ve ön değerlerinin değişik olmasından kaynaklanmaktadır.			
$Q_{pa} = 6.20$	t	$Q_{ic} < Q_{pa}$	uygun
$Q = 3.30$	$> 0.3 \times Q_{pa} = 1.86$	t	
$t'_q = 0.48$	cm		
$\Delta t_q = 0.09$	cm		
$F_a' = 15.21$	cm		
$h_{ao}' = 6.00$	cm		
$h_{au}' = 6.0$	cm		
$W_{pa}' = 70.26$	cm ³		
$M_{pa}' = 132$	tcm = 1.32	tm	
$y' = 13.50$	cm		
$\Delta M_1 = 178$	tcm = 1.78	tm	
$y'' = 7.27$	cm		
$\Delta M_2 = 48$	tcm = 0.48	tm	
$ -M_u = 2.62$	tm		

Sehim Kontrolü			
C 25	$E_b = 300000$	kg/cm^2	
$n = E_a / E_b = 7.00$	$2n = 14$	(Binalarda)	
$b^* = b_{eff} / 2n = 7.14$	cm		
$y_{G1} = -2.97$			
$I_x = 3452.5$	cm ⁴		
Verilen f bağıntısıyla sürekli kirişte sehim kontrolü			
$f = ((0.521 g + 0.912 q) / 100) * ((I^4) / E I_x) =$	0.19	cm	
$f_{lim} = 1.818$	$> f = 0.190$	uygun	

Kayma Elemanları

Kayma elemanı olarak, tek sıra $d_1 = 7/8'' = 22$ mm ve $h = 8$ cm olan başlıklı saplama ($\sigma_{FH} = 3.5$ t/cm²) kullanıldığına göre + ve - momentler bölgelerinde, saplama sayı ve aralıklarının belirlenmesi. ((-) moment bölgesi uzunluğu = 0.25 l alırsak)

$$d_1 = 22 \quad \text{mm} \quad \leftarrow$$

$$\sigma_{FH} = 3.5 \quad \text{t/cm}^2 \quad \leftarrow$$

$$\eta = 8 \quad \text{cm} \quad \leftarrow$$

$$\text{moment bölgesi uzunluğu} = 0.25l = 1 \quad \text{m}$$

$$h / d_1 = 3.636 \quad \rightarrow \quad \alpha = 0.93 \quad \text{enterpolasyon}$$

α enterpolasyonu			
$h/d_1 =$	3	için	0.85
$h/d_1 >$	4.2	için	1.00
$\alpha =$	0.93		

$$H_{lu} \leq 13658 \quad \text{kg}$$

$$9.317 \quad \rightarrow \quad H_{lu}$$

Pozitif moment bölgesinde

$$H = (Z ; D_{bmax})_{\min} =$$

$$Z = 30.32$$

$$H = 30.3 \quad \text{t}$$

$$D_{bmax} = 222$$

$$n_H = 3.8 \quad \text{yukarı yuvarla} \quad 4 \quad \text{adet}$$

$$e_b = 37.5 \quad \text{cm} \quad \left| \begin{array}{l} > 0.5 d_1 = 11 \\ < 0.3 d = 30 \\ < 60 \text{ cm} \quad 60 \end{array} \right. \quad \begin{array}{l} \text{uygun} \\ \text{uygun değil} \\ \text{uygun} \end{array}$$

$$e_b \text{ seçilen} = 30 \quad \text{seçilir}$$

Negatif moment bölgesinde

$$H = Z' = 13.188 \quad \text{t}$$

$$n_H = 1.67 \quad \text{yukarı yuvarla} \quad 2 \quad \text{adet}$$

$$e_b = 52 \quad \text{cm} \quad \left| \begin{array}{l} > 0.5 d_1 = 11 \\ < 0.3 d = 30 \\ < 60 \text{ cm} \quad 60 \end{array} \right. \quad \begin{array}{l} \text{uygun} \\ \text{uygun değil} \\ \text{uygun} \end{array}$$

$$e_b \text{ seçilen} = 30 \quad \text{seçilir}$$

Döşeme plâğı minimum donatısı:

$$f_{ctd} = 12 \quad \text{kg/cm}^2$$

$$f_{yd} = 3652 \quad \text{kg/cm}^2$$

(+) moment bölgesinde

$$H'_{(+)} = H_{(+)} - \alpha_b \times \sigma_{br} \times b_{do} \times y = 28316.3 \quad \text{kg}$$

İki açıklıklı sürekli kirişte ;

$$l_H = 150 \quad \text{cm}$$

$$V_{cr} = 23400 \quad \text{kg} \quad H' > V_{cr}$$

 $H' > V_{cr}$ için

$$V_c = 18720$$

$$V_{cr \text{ hesap}} = 18720$$

$$V_c = H' - V_{cr} = 9596 \quad \text{kg}$$

$$V_c = (A_{st}/s) \times f_{yd} \times l_H \quad \alpha = 90^\circ \text{ için}$$

$$(A_{st}/s) = (V_c / f_{yd} \times l_H) = 0.01752$$

$$A_{st}/s = 0.004 \quad \rightarrow \text{donatı seçilir}$$

$$\downarrow \quad \text{aralık} = 5 \quad \text{cm}$$

$$\downarrow \quad \text{çap} = 6 \quad \text{ilk} \quad \rightarrow 0.5$$

$$\text{kontrol} = 0.1 \quad \text{uygun}$$

$$\text{Asgari döşeme donatısı} \quad \text{çap} = 8$$

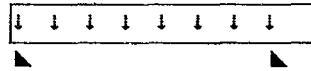
$$\text{ara} = 2.5$$

(-) moment bölgesinde

$$H'_{(-)} = ((n' - n'_{ao})/n) H_{(-)} = 6.594 \quad \text{t}$$

$$l_{H(-)} = 0.25 l = 100 \quad \text{cm}$$

$$V_{cr} = 15600 \quad \text{kg} \quad H' < V_{cr} \text{ Donatı Hesabı Gerekmez}$$

SONUÇ

$$g = 0.41 \quad \text{t/m}$$

$$q = 0.35 \quad \text{t/m}$$

$$p = 1.7 g + 1.7 q = 1.2852 \quad \text{tm}$$

$$M = p \cdot (l^2) / 8 = 2.5704 \quad \text{tm}$$

$$M_u = 2.59 \quad \text{tm}$$

$M_u > M$ UYGUNDUR

TOPLAM BİNA AĞIRLIĞI

KAT			DUVAR	DÖŞEME	TOPLAM
	PROFİL	AĞIRLIK			
Z	HE 340-M	59.26	126	258	442.80
	HE 180-M				
	HE 160 M				
1	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
2	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
3	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
4	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
5	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
6	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
7	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
8	HE 340-M	44.44	126	258	427.98
	HE 180-M				
	HE 160 M				
9	HE 260-M	44.44	0	252	296.44
	HE 160-M				

M	W=M/G
442.80	45
427.98	44
427.98	44
427.98	44
427.98	44
427.98	44
427.98	44
427.98	44
296.44	30
4163.12	

KATLARA ETKİYEN DEPREM KUVVETLERİNİN HESAPLANMASI

Deprem Atalet Kuvveti

$W_t = 4163$ t Yapı Ağırlığı 237.892

$V_t = W_t \times A_0 \times I \times S(T_1) / R_a(T_1)$

$V_t = 253.207$

A_0 (1. Derece Deprem Böl.) = 0.4
 I (Yapı Önem Katsayısı) = 1
 R (Yapı Davranış Katsayısı) = 7
 TB Spektrum Karakteristik Per) = 0.4 Z2 için

$25 \text{ m} < H_N = 31$ $T_1 = C_t \times H_N^{3/4} = 0.92$ s
 $\Delta F_N = C_t \times T_1 \times V_t = 15.31$ t
 $C_t = 0.07$
 $T_1 = 0.92$
 $V_t = 237.89$

$\Delta F_N < 0.2 V_t = 50.641$ uygundur

$e_x = 1.4$ m

$e_y = .9$ m

EŞDEĞER DEPREM YÜKLERİ VE KAT KESME KUVVETLERİ

Kat	W_t	h_i	$W_t \times h_i$	F_i	V_i
Zemin	442.80	4	1771.22	5.94	253.21
1. Kat	427.98	7	2995.89	10.06	247.26
2. Kat	427.98	10	4279.84	14.36	237.21
3. Kat	427.98	13	5563.79	18.67	222.84
4. Kat	427.98	16	6847.74	22.98	204.17
5. Kat	427.98	19	8131.70	27.29	181.18
6. Kat	427.98	22	9415.65	31.60	153.89
7. Kat	427.98	25	10699.60	35.91	122.29
8. Kat	427.98	28	11983.55	40.22	86.38
9. Kat	296.44	31	9189.64	46.16	46.16
			70878.62		

DEPREM YÖNETMELİĞİNDEKİ DEPREM KUVVETLERİNE GÖRE KAT ÖTELEMELERİ

5000	MAX MAX	2.21E+03	2.22E+03	0	0	0	1.03E+00
5000	MAX MIN	-2.21E+03	-2.21E+03	0	0	0	-1.03E+01
5001	MAX MAX	5.06E+03	4.99E+03	0	0	0	2.33E+01
5001	MAX MIN	-5.06E+02	-4.96E+02	0	0	0	-2.33E+01
5002	MAX MAX	8.65E+02	8.47E+03	0	0	0	4.06E+01
5002	MAX MIN	-8.65E+03	-8.43E+03	0	0	0	-4.06E+01
5003	MAX MAX	1.28E+04	1.25E+04	0	0	0	6.20E+01
5003	MAX MIN	-1.28E+04	-1.24E+04	0	0	0	-6.20E+01
5004	MAX MAX	1.74E+04	1.70E+04	0	0	0	8.61E+01
5004	MAX MIN	-1.74E+04	-1.68E+04	0	0	0	-8.60E+01
5005	MAX MAX	2.21E+04	2.16E+04	0	0	0	1.12E+02
5005	MAX MIN	-2.21E+04	-2.15E+04	0	0	0	-1.12E+02
5006	MAX MAX	2.69E+04	2.64E+04	0	0	0	1.38E+02
5006	MAX MIN	-2.69E+04	-2.62E+04	0	0	0	-1.38E+02
5007	MAX MAX	3.16E+04	3.10E+04	0	0	0	1.63E+02
5007	MAX MIN	-3.16E+04	-3.09E+04	0	0	0	-1.63E+00
5008	MAX MAX	3.61E+04	3.56E+04	0	0	0	1.88E+02
5008	MAX MIN	-3.61E+04	-3.54E+04	0	0	0	-1.88E+02
5009	MAX MAX	4.03E+04	3.98E+04	0	0	0	2.12E+02
5009	MAX MIN	-4.03E+04	-3.97E+04	0	0	0	-2.12E+02
5001	MAX MAX	0.002213572	0.002223494	0	0	0	0.000001030
5002	MAX MAX	0.005060221	0.004993484	0	0	0	0.000023262
5003	MAX MAX	0.000865211	0.008474574	0	0	0	0.000040576
5004	MAX MAX	0.012827280	0.012515550	0	0	0	0.000061963
5005	MAX MAX	0.017389440	0.016960270	0	0	0	0.000086062
5006	MAX MAX	0.022140020	0.021627470	0	0	0	0.000111556
5007	MAX MAX	0.026918550	0.026362450	0	0	0	0.000137562
5008	MAX MAX	0.031595440	0.031039120	0	0	0	0.000163339
5009	MAX MAX	0.036085650	0.035565440	0	0	0	0.000188389
5010	MAX MAX	0.040274430	0.039832770	0	0	0	0.000211769

KAT DEPLASMANLARINA GÖRE İKİNCİ MERTEBE DEPREM KUVVETLERİ

2. Aşama Yükleme														Taban Dev. Mom.		hi
Kat	X-DEPREM						Y-DEPREM						Mx	My		
	d _e	m	m x d ²	F	F x d	S _x x F	d _e	m	m x d ²	F	F x d	S _y x F				
Z	0.0022	45.14	0.00022	5.94	0.01	5.05	0.0022	45.14	0.0002	5.94	0.01	5.09	20.21	20.37	4	
1N	0.0051	43.63	0.00112	10.06	0.05	8.54	0.0050	43.63	0.0011	10.06	0.05	8.61	59.81	60.29	7	
2N	0.0009	43.63	0.00003	14.36	0.01	12.21	0.0085	43.63	0.0031	14.36	0.12	12.30	122.07	123.04	10	
3N	0.0128	43.63	0.00718	18.67	0.24	15.87	0.0125	43.63	0.0068	18.67	0.23	16.00	206.29	207.94	13	
4N	0.0174	43.63	0.01319	22.98	0.40	19.53	0.0170	43.63	0.0125	22.98	0.39	19.69	312.49	314.99	16	
5N	0.0221	43.63	0.02139	27.29	0.60	23.19	0.0216	43.63	0.0204	27.29	0.59	23.38	440.66	444.18	19	
6N	0.0269	43.63	0.03161	31.60	0.85	26.85	0.0264	43.63	0.0303	31.60	0.83	27.07	590.81	595.52	22	
7N	0.0316	43.63	0.04355	35.91	1.13	30.52	0.0310	43.63	0.0420	35.91	1.11	30.76	762.92	769.01	25	
8N	0.0361	43.63	0.05681	40.22	1.45	34.18	0.0356	43.63	0.0552	40.22	1.43	34.45	957.01	964.64	28	
9N	0.0403	30.22	0.04901	46.16	1.86	39.22	0.0398	30.22	0.0479	46.16	1.84	39.54	1215.95	1225.64	31	
			0.2241		6.6			0.2197		6.6158		4688.2	4725.6			
			Tx = 1.16						Ty = 1.14							
			Sx = 0.850						Sy = 0.857							

GÖRELİ KAT ÖTELEMELERİ

1 N	0.0028
2 N	-0.0042
3 N	0.0120
4 N	0.0046
5 N	0.0048
6 N	0.0048
7 N	0.0047
8 N	0.0045
9 N	0.0042

0.00277
0.00348
0.00404
0.00444
0.00467
0.00473
0.00468
0.00453
0.00427

0.0028	0.0028
-0.0042	0.0035
0.0120	0.0040
0.0046	0.0044
0.0048	0.0047
0.0048	0.0047
0.0047	0.0047
0.0045	0.0045
0.0042	0.0043

MAX 0.011962

0.003987 <0,0035

0.003987 <0,02/R = 0.0029

0.004735

0.0016 <0,0035

0.0016 <0,02/R = 0.0029

TS 498 'e göre YAPIYA ETKİYEN RÜZGAR YÜKLERİ

Bina x yönü uzunluğu x = 28 mt
 Bina y yönü uzunluğu y = 18 mt
 Bina Yüksekliği h = 31 mt
 x yönü yüzey alanı Ax = 868 m²
 y yönü yüzey alanı Ay = 558 m²

$W_i = C_r \times q \times A_i$
 0-8 m

Aerodinamik yük katsayısı $C_r =$
 Emme (hız basıncı) kg/m² q =
 İç B =
 Dış B =

0 - 7 -			
x basınç	x emme	y basınç	y emme
0.8	0.4	0.8	0.4
50	50	50	50
4	4	6	6
2	2	3	3
40	20	40	20
160	80	240	120
80	40	120	60
0.16	0.08	0.24	0.12
0.08	0.04	0.12	0.06

Aerodinamik yük katsayısı $C_r =$
 Emme (hız basıncı) kg/m² q =
 İç B =
 Dış B =

8 - 19 -			
x basınç	x emme	y basınç	y emme
0.8	0.4	0.8	0.4
80	80	80	80
4	4	6	6
2	2	3	3
64	32	64	32
256	128	384	192
128	64	192	96
0.256	0.128	0.384	0.192
0.128	0.064	0.192	0.096

Aerodinamik yük katsayısı $C_r =$
 Emme (hız basıncı) kg/m² q =
 İç B =
 Dış B =

20 - 31 -			
x basınç	x emme	y basınç	y emme
0.8	0.4	0.8	0.4
110	110	110	110
4	4	6	6
2	2	3	3
88	44	88	44
352	176	528	264
176	88	264	132
0.352	0.176	0.528	0.264
0.176	0.088	0.264	0.132

Çelik Sistem Statik Hesapları

STATIC LOAD CASES

STATIC CASE	CASE TYPE	SELF WT FACTOR
G	DEAD	0.0000
ZATI	DEAD	0.0000
Q	LIVE	0.0000
EX	QUAKE	0.0000
EY	QUAKE	0.0000
RXP	WIND	0.0000
RXN	WIND	0.0000
RYP	WIND	0.0000
RYN	WIND	0.0000

MATERIAL PROPERTY DATA

MAT LABEL	MODULUS OF ELASTICITY	POISSON'S RATIO	THERMAL COEFF	WEIGHT PER UNIT VOL	MASS PER UNIT VOL
STEEL	21000000.0	0.300	1.170E-05	7.833	0.798
CONC	2531051.00	0.200	9.900E-06	2.403	0.245
OTHER	2531050.65	0.200	9.900E-06	2.403	0.245

MATERIAL DESIGN DATA

MAT LABEL	DESIGN CODE	STEEL FY	CONCRETE FC	REBAR FY	CONCRETE FCS	REBAR FYS
STEEL	S	24000.000				
CONC	C		2812.279	42184.180	2812.279	28122.790
OTHER	N					

FRAME SECTION PROPERTY DATA

SECTION LABEL	MAT LABEL	SECTION TYPE	DEPTH	FLANGE WIDTH	FLANGE THICK	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
FSEC1	STEEL		0.500	0.300	0.000	0.000	0.000	0.000
HE160-M	STEEL	HE160-M	0.180	0.166	2.300E-02	1.400E-02	0.166	2.300E-02
HE180-M	STEEL	HE180-M	0.200	0.186	2.400E-02	1.450E-02	0.186	2.400E-02
HE200-M	STEEL	HE200-M	0.220	0.206	2.500E-02	1.500E-02	0.206	2.500E-02
HE220-M	STEEL	HE220-M	0.240	0.226	2.600E-02	1.550E-02	0.226	2.600E-02
HE240-M	STEEL	HE240-M	0.270	0.248	3.200E-02	1.800E-02	0.248	3.200E-02
HE260-M	STEEL	HE260-M	0.290	0.268	3.250E-02	1.800E-02	0.268	3.250E-02
HE280-M	STEEL	HE280-M	0.310	0.288	3.300E-02	1.850E-02	0.288	3.300E-02
HE300-M	STEEL	HE300-M	0.340	0.310	3.900E-02	2.100E-02	0.310	3.900E-02
HE320-M	STEEL	HE320-M	0.359	0.309	4.000E-02	2.100E-02	0.309	4.000E-02
HE340-M	STEEL	HE340-M	0.377	0.309	4.000E-02	2.100E-02	0.309	4.000E-02
HE360-M	STEEL	HE360-M	0.395	0.308	4.000E-02	2.100E-02	0.308	4.000E-02
HE400-M	STEEL	HE400-M	0.432	0.307	4.000E-02	2.100E-02	0.307	4.000E-02
HE450-M	STEEL	HE450-M	0.478	0.307	4.000E-02	2.100E-02	0.307	4.000E-02
HE500-M	STEEL	HE500-M	0.524	0.306	4.000E-02	2.100E-02	0.306	4.000E-02
HE600-M	STEEL	HE600-M	0.620	0.305	4.000E-02	2.100E-02	0.305	4.000E-02

FRAME SECTION PROPERTY DATA

SECTION LABEL	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
FSEC1	0.150	2.817E-03	3.125E-03	1.125E-03	0.125	0.125
HE160-M	9.710E-03	1.610E-06	5.098E-05	1.759E-05	2.520E-03	6.363E-03
HE180-M	1.130E-02	2.010E-06	7.483E-05	2.580E-05	2.900E-03	7.440E-03
HE200-M	1.310E-02	2.580E-06	1.064E-04	3.651E-05	3.300E-03	8.583E-03
HE220-M	1.490E-02	3.130E-06	1.460E-04	5.012E-05	3.720E-03	9.793E-03
HE240-M	2.000E-02	6.260E-06	2.429E-04	8.153E-05	4.860E-03	1.323E-02
HE260-M	2.200E-02	7.200E-06	3.131E-04	1.045E-04	5.220E-03	1.452E-02
HE280-M	2.400E-02	8.070E-06	3.955E-04	1.316E-04	5.735E-03	1.584E-02
HE300-M	3.030E-02	1.411E-05	5.920E-04	1.940E-04	7.140E-03	2.015E-02
HE320-M	3.120E-02	1.506E-05	6.813E-04	1.971E-04	7.539E-03	2.060E-02
HE340-M	3.160E-02	1.512E-05	7.637E-04	1.971E-04	7.917E-03	2.060E-02
HE360-M	3.190E-02	1.513E-05	8.487E-04	1.952E-04	8.295E-03	2.053E-02
HE400-M	3.260E-02	1.520E-05	1.041E-03	1.934E-04	9.072E-03	2.047E-02
HE450-M	3.350E-02	1.534E-05	1.315E-03	1.934E-04	1.004E-02	2.047E-02
HE500-M	3.440E-02	1.544E-05	1.613E-03	1.915E-04	1.100E-02	2.040E-02
HE600-M	3.640E-02	1.570E-05	2.374E-03	1.898E-04	1.302E-02	2.033E-02

FRAME SECTION PROPERTY DATA

SECTION LABEL	SECTION MODULII		PLASTIC MODULII		RADIUS OF GYRATION	
	S33	S22	Z33	Z22	R33	R22
FSEC1	1.250E-02	7.500E-03	1.875E-02	1.125E-02	0.144	8.660E-02
HE160-M	5.654E-04	2.119E-04	6.750E-04	3.250E-04	7.246E-02	4.256E-02
HE180-M	7.483E-04	2.774E-04	8.830E-04	4.250E-04	8.138E-02	4.778E-02
HE200-M	9.673E-04	3.545E-04	1.135E-03	5.430E-04	9.012E-02	5.279E-02
HE220-M	1.217E-03	4.435E-04	1.419E-03	6.790E-04	9.899E-02	5.800E-02
HE240-M	1.799E-03	6.575E-04	2.117E-03	1.006E-03	0.110	6.385E-02
HE260-M	2.159E-03	7.799E-04	2.524E-03	1.192E-03	0.119	6.892E-02
HE280-M	2.552E-03	9.139E-04	2.966E-03	1.397E-03	0.128	7.405E-02
HE300-M	3.482E-03	1.252E-03	4.078E-03	1.913E-03	0.140	8.002E-02
HE320-M	3.796E-03	1.276E-03	4.435E-03	1.951E-03	0.148	7.948E-02
HE340-M	4.051E-03	1.276E-03	4.718E-03	1.953E-03	0.155	7.898E-02
HE360-M	4.297E-03	1.268E-03	4.989E-03	1.942E-03	0.163	7.822E-02
HE400-M	4.819E-03	1.260E-03	5.571E-03	1.934E-03	0.179	7.702E-02
HE450-M	5.502E-03	1.260E-03	6.331E-03	1.939E-03	0.198	7.598E-02
HE500-M	6.179E-03	1.252E-03	7.094E-03	1.932E-03	0.217	7.461E-02
HE600-M	7.658E-03	1.245E-03	8.772E-03	1.930E-03	0.255	7.221E-02

FRAME SECTION PROPERTY DATA

SECTION LABEL	TOTAL WEIGHT	TOTAL MASS
HE160-M	194.720	19.839
HE180-M	83.446	8.502
HE340-M	276.250	28.145

LOAD COMBINATION MULTIPLIERS (DESIGN FOR EUROCODE 3)

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB1	ADD	G	1.3500	STATIC (DEAD)	1,35G+1,50Q
		ZATI	1.3500	STATIC (DEAD)	
		Q	1.5000	STATIC (LIVE)	
COMB2	ADD	G	1.3500	STATIC (DEAD)	1,35G
		ZATI	1.3500	STATIC (DEAD)	
COMB3	ADD	G	1.3500	STATIC (DEAD)	1,35G+1,50RX
		ZATI	1.3500	STATIC (DEAD)	
		RXP	1.5000	STATIC (WIND)	
COMB4	ADD	G	1.3500	STATIC (DEAD)	1,35G-1,50RX
		ZATI	1.3500	STATIC (DEAD)	
		RXN	1.5000	STATIC (WIND)	
COMB5	ADD	G	1.3500	STATIC (DEAD)	1,35G+RY
		ZATI	1.3500	STATIC (DEAD)	
		RYP	1.5000	STATIC (WIND)	
COMB6	ADD	G	1.3500	STATIC (DEAD)	1,35G-RY
		ZATI	1.3500	STATIC (DEAD)	
		RYN	1.5000	STATIC (WIND)	
COMB7	ADD	G	1.0000	STATIC (DEAD)	G+1,50R
		ZATI	1.0000	STATIC (DEAD)	
		RXF	1.5000	STATIC (WIND)	
COMB8	ADD	G	1.0000	STATIC (DEAD)	G-1,50RX
		ZATI	1.0000	STATIC (DEAD)	
		RXN	1.5000	STATIC (WIND)	
COMB9	ADD	G	1.0000	STATIC (DEAD)	G+RY
		ZATI	1.0000	STATIC (DEAD)	
		RYP	1.5000	STATIC (WIND)	
COMB10	ADD	G	1.0000	STATIC (DEAD)	G-1,50RY
		ZATI	1.0000	STATIC (DEAD)	
		RYN	1.5000	STATIC (WIND)	
COMB11	ADD	G	1.3500	STATIC (DEAD)	1,35G+1,35Q+1,35RX
		ZATI	1.3500	STATIC (DEAD)	
		RXF	1.3500	STATIC (WIND)	

		Q	1.3500	STATIC (LIVE)	
COMB12	ADD				1,35G+1,35Q-1,35RX
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RXN	1.3500	STATIC (WIND)	
		Q	1.3500	STATIC (LIVE)	
COMB13	ADD				1,35G+1,35Q+1,35RY
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RYP	1.3500	STATIC (WIND)	
		Q	1.3500	STATIC (LIVE)	
COMB14	ADD				1,35G+1,35Q-1,35RY
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RYN	1.3500	STATIC (WIND)	
		Q	1.3500	STATIC (LIVE)	
COMB15	ADD				G+EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	1.0000	STATIC (QUAKE)	
COMB16	ADD				G-EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	-1.0000	STATIC (QUAKE)	
COMB17	ADD				G+EY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EY	1.0000	STATIC (QUAKE)	
COMB18	ADD				G-EY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EY	-1.0000	STATIC (QUAKE)	
COMB19	ADD				G+0,45Q+EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	1.0000	STATIC (QUAKE)	
		Q	0.4500	STATIC (LIVE)	
COMB20	ADD				G+0,45Q-EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	-1.0000	STATIC (QUAKE)	
		Q	0.4500	STATIC (LIVE)	
COMB21	ADD				G+0,45Q-EY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EY	-1.0000	STATIC (QUAKE)	
		Q	0.4500	STATIC (LIVE)	
COMB22	ADD				G+0,45Q+EY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EY	1.0000	STATIC (QUAKE)	
		Q	0.4500	STATIC (LIVE)	

JOINT FORCES Load Case EX

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	GLOBAL-XX	GLOBAL-YY	GLOBAL-ZZ
5009	39.220	0.000	0.000	0.000	0.000	0.000
5008	34.180	0.000	0.000	0.000	0.000	0.000
5007	30.520	0.000	0.000	0.000	0.000	0.000
5006	26.850	0.000	0.000	0.000	0.000	0.000
5005	23.190	0.000	0.000	0.000	0.000	0.000
5004	19.530	0.000	0.000	0.000	0.000	0.000
5003	15.870	0.000	0.000	0.000	0.000	0.000
5002	12.210	0.000	0.000	0.000	0.000	0.000
5001	8.540	0.000	0.000	0.000	0.000	0.000
5000	5.050	0.000	0.000	0.000	0.000	0.000

JOINT FORCES Load Case EY

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	GLOBAL-XX	GLOBAL-YY	GLOBAL-ZZ
5000	0.000	5.090	0.000	0.000	0.000	0.000
5001	0.000	8.610	0.000	0.000	0.000	0.000
5002	0.000	12.300	0.000	0.000	0.000	0.000
5003	0.000	16.000	0.000	0.000	0.000	0.000
5004	0.000	19.690	0.000	0.000	0.000	0.000
5005	0.000	23.380	0.000	0.000	0.000	0.000
5006	0.000	27.070	0.000	0.000	0.000	0.000
5007	0.000	30.760	0.000	0.000	0.000	0.000
5008	0.000	34.450	0.000	0.000	0.000	0.000
5009	0.000	39.540	0.000	0.000	0.000	0.000

FRAME ELEMENT DATA

FRAME	JNT-1	JNT-2	SECTION	ANGLE	RELEASES	SEGMENTS	R1	R2	FACTOR	LENGTH
11	12	13	HE340-M	0.000	000000	2	0.000	0.000	1.000	4.000
301	331	332	HE340-M	0.000	000000	2	0.000	0.000	1.000	4.000
391	13	57	HE160-M	0.000	000000	4	0.000	0.000	1.000	4.000
1301	155	477	HE180-M	0.000	000000	2	0.000	0.000	1.000	2.828

FRAME ELEMENT FORCES

FRAME	LOAD	LOC	P	V2	V3	T	M2	M3
1	Minima		-141.19 MAX3	-6.277E-01 MAX3	-2.152E-01 MAX3	-1.431E-04 MAX3	-7.610E-01 MAX3	-2.43 MAX3
1	Maxima		31.19 MAX3	8.012E-01 MAX3	4.857E-01 MAX3	1.431E-04 MAX3	9.351E-01 MAX3	2.41 MAX3
21	Minima		-170.14 MAX3	-1.98 MAX3	-3.131E-01 MAX3	-1.431E-04 MAX3	-9.378E-01 MAX3	-3.22 MAX3
21	Maxima		-67.69 MAX3	6.053E-01 MAX3	5.162E-01 MAX3	1.431E-04 MAX3	1.20 MAX3	3.66 MAX3
31	Minima		-141.12 MAX3	-5.739E-01 MAX3	-4.854E-01 MAX3	-1.431E-04 MAX3	-9.439E-01 MAX3	-2.19 MAX3
31	Maxima		35.66 MAX3	7.463E-01 MAX3	2.154E-01 MAX3	1.431E-04 MAX3	7.539E-01 MAX3	2.17 MAX3
61	Minima		-334.40 MAX3	-8.953E-01 MAX3	-3.869E-01 MAX3	-1.604E-04 MAX3	-1.17 MAX3	-3.06 MAX3
61	Maxima		-160.24 MAX3	8.774E-01 MAX3	3.881E-01 MAX3	1.604E-04 MAX3	1.16 MAX3	3.04 MAX3
221	Minima		-338.60 MAX3	-9.446E-01 MAX3	-3.972E-01 MAX3	-1.604E-04 MAX3	-1.18 MAX3	-3.12 MAX3
221	Maxima		-158.75 MAX3	9.035E-01 MAX3	3.871E-01 MAX3	1.604E-04 MAX3	1.16 MAX3	3.07 MAX3
471	Minima		0.00 MAX3	-14.71 MAX3	0.00 MAX3	-4.478E-05 MAX3	0.00 MAX3	-9.91 MAX3
471	Maxima		0.00 MAX3	14.69 MAX3	0.00 MAX3	8.932E-06 MAX3	0.00 MAX3	4.91 MAX3
511	Minima		0.00 MAX3	-14.69 MAX3	0.00 MAX3	-8.932E-06 MAX3	0.00 MAX3	-9.91 MAX3
511	Maxima		0.00 MAX3	14.71 MAX3	0.00 MAX3	4.478E-05 MAX3	0.00 MAX3	4.91 MAX3
933	Minima		-33.33 MAX3	-1.816E-01 MAX3	-2.867E-02 MAX3	-8.201E-04 MAX3	-1.209E-01 MAX3	-4.231E-01 MAX3
933	Maxima		29.79 MAX3	1.622E-01 MAX3	2.866E-02 MAX3	8.202E-04 MAX3	1.209E-01 MAX3	3.152E-01 MAX3
934	Minima		-33.67 MAX3	-1.765E-01 MAX3	-2.782E-02 MAX3	-7.641E-04 MAX3	-1.197E-01 MAX3	-4.017E-01 MAX3
934	Maxima		31.14 MAX3	1.647E-01 MAX3	2.783E-02 MAX3	7.640E-04 MAX3	1.197E-01 MAX3	3.309E-01 MAX3
935	Minima		-34.25 MAX3	-1.650E-01 MAX3	-2.655E-02 MAX3	-7.612E-04 MAX3	-1.119E-01 MAX3	-3.992E-01 MAX3
935	Maxima		30.68 MAX3	1.760E-01 MAX3	2.653E-02 MAX3	7.614E-04 MAX3	1.119E-01 MAX3	3.340E-01 MAX3
936	Minima		-32.78 MAX3	-1.625E-01 MAX3	-2.570E-02 MAX3	-7.053E-04 MAX3	-1.108E-01 MAX3	-4.262E-01 MAX3
936	Maxima		30.23 MAX3	1.612E-01 MAX3	2.571E-02 MAX3	7.051E-04 MAX3	1.107E-01 MAX3	3.127E-01 MAX3
1181	Minima		0.00 MAX3	-9.735E-01 MAX3	0.00 MAX3	-4.110E-04 MAX3	0.00 MAX3	-2.25 MAX3
1181	Maxima		0.00 MAX3	3.06 MAX3	0.00 MAX3	3.471E-04 MAX3	0.00 MAX3	1.91 MAX3

111	Minima	-0.9446 MAX3	-0.3871 MAX3	159.4987 MAX3	-1.1843 MAX3	-3.1245 MAX3	-1.604E-04 MAX3
111	Maxima	0.9035 MAX3	0.3972 MAX3	338.6026 MAX3	1.1605 MAX3	3.0733 MAX3	1.604E-04 MAX3
122	Minima	-0.7417 MAX3	-0.7540 MAX3	81.0145 MAX3	-0.5200 MAX3	-2.4260 MAX3	-1.431E-04 MAX3
122	Maxima	0.7486 MAX3	0.4037 MAX3	175.7959 MAX3	1.1935 MAX3	2.4347 MAX3	1.431E-04 MAX3
133	Minima	-0.7729 MAX3	-0.4181 MAX3	82.2185 MAX3	-1.2163 MAX3	-2.6108 MAX3	-1.431E-04 MAX3
133	Maxima	0.7736 MAX3	0.7547 MAX3	178.1338 MAX3	0.5433 MAX3	2.6116 MAX3	1.431E-04 MAX3
144	Minima	-1.3172 MAX3	-15.3901 MAX3	-12.9599 MAX3	-1.4031 MAX3	-4.6486 MAX3	-0.0544 MAX3
144	Maxima	1.2734 MAX3	47.5016 MAX3	414.2714 MAX3	2.1673 MAX3	4.5951 MAX3	0.0551 MAX3
155	Minima	-5.4110 MAX3	-46.2764 MAX3	-3.3281 MAX3	-2.2760 MAX3	-5.1082 MAX3	-0.0803 MAX3
155	Maxima	52.8859 MAX3	13.4188 MAX3	433.2224 MAX3	1.5060 MAX3	4.2141 MAX3	0.0803 MAX3
166	Minima	-0.6987 MAX3	-0.7507 MAX3	82.1369 MAX3	-0.5517 MAX3	-2.3720 MAX3	-1.431E-04 MAX3
166	Maxima	0.6993 MAX3	0.4195 MAX3	177.6653 MAX3	1.2014 MAX3	2.3728 MAX3	1.431E-04 MAX3
177	Minima	-0.7736 MAX3	-0.4181 MAX3	82.2185 MAX3	-1.2163 MAX3	-2.6116 MAX3	-1.431E-04 MAX3
177	Maxima	0.7729 MAX3	0.7547 MAX3	178.1338 MAX3	0.5433 MAX3	2.6108 MAX3	1.431E-04 MAX3
188	Minima	-1.2734 MAX3	-15.3901 MAX3	-12.9599 MAX3	-1.4031 MAX3	-4.5951 MAX3	-0.0551 MAX3
188	Maxima	1.3172 MAX3	47.5016 MAX3	414.2714 MAX3	2.1673 MAX3	4.6486 MAX3	0.0544 MAX3
199	Minima	-52.8859 MAX3	-46.2764 MAX3	-3.3281 MAX3	-2.2760 MAX3	-4.2141 MAX3	-0.0803 MAX3
199	Maxima	5.4110 MAX3	13.4188 MAX3	433.2224 MAX3	1.5060 MAX3	5.1082 MAX3	0.0803 MAX3
210	Minima	-0.6993 MAX3	-0.7507 MAX3	82.1369 MAX3	-0.5517 MAX3	-2.3728 MAX3	-1.431E-04 MAX3
210	Maxima	0.6987 MAX3	0.4195 MAX3	177.6653 MAX3	1.2014 MAX3	2.3720 MAX3	1.431E-04 MAX3
221	Minima	-0.8287 MAX3	-0.4027 MAX3	81.1969 MAX3	-1.2045 MAX3	-2.6809 MAX3	-1.431E-04 MAX3
221	Maxima	0.8229 MAX3	0.7554 MAX3	176.2283 MAX3	0.5113 MAX3	2.6736 MAX3	1.431E-04 MAX3
232	Minima	-0.9178 MAX3	-0.3944 MAX3	159.3112 MAX3	-1.1768 MAX3	-3.1523 MAX3	-1.604E-04 MAX3
232	Maxima	0.9517 MAX3	0.3906 MAX3	339.1556 MAX3	1.1714 MAX3	3.1946 MAX3	1.604E-04 MAX3
243	Minima	-0.9035 MAX3	-0.3871 MAX3	159.4987 MAX3	-1.1843 MAX3	-3.0733 MAX3	-1.604E-04 MAX3
243	Maxima	0.9446 MAX3	0.3972 MAX3	338.6026 MAX3	1.1605 MAX3	3.1245 MAX3	1.604E-04 MAX3
254	Minima	-0.7486 MAX3	-0.7540 MAX3	81.0145 MAX3	-0.5200 MAX3	-2.4347 MAX3	-1.431E-04 MAX3
254	Maxima	0.7417 MAX3	0.4037 MAX3	175.7959 MAX3	1.1935 MAX3	2.4260 MAX3	1.431E-04 MAX3
265	Minima	-18.2974 MAX3	-0.4164 MAX3	-111.8138 MAX3	-1.2773 MAX3	-3.3341 MAX3	-0.0458 MAX3
265	Maxima	20.2610 MAX3	0.7544 MAX3	247.6565 MAX3	0.5995 MAX3	2.4926 MAX3	0.0468 MAX3
276	Minima	-0.9246 MAX3	-0.3843 MAX3	160.9070 MAX3	-1.1778 MAX3	-3.1609 MAX3	-1.604E-04 MAX3
276	Maxima	0.3063 MAX3	0.3914 MAX3	334.3824 MAX3	1.1580 MAX3	3.1380 MAX3	1.604E-04 MAX3
287	Minima	-0.8953 MAX3	-0.3881 MAX3	160.9943 MAX3	-1.1708 MAX3	-3.0631 MAX3	-1.604E-04 MAX3
287	Maxima	0.8774 MAX3	0.3869 MAX3	334.3999 MAX3	1.1619 MAX3	3.0408 MAX3	1.604E-04 MAX3
298	Minima	-16.5614 MAX3	-0.7531 MAX3	-92.0309 MAX3	-0.6090 MAX3	-3.0759 MAX3	-0.0461 MAX3

298	Maxima	18.5069 MAX3	0.4174 MAX3	224.4671 MAX3	1.2655 MAX3	2.2384 MAX3	0.0465 MAX3
309	Minima	-20.1854 MAX3	-10.8491 MAX3	-61.7014 MAX3	-1.1718 MAX3	-2.8289 MAX3	-0.0469 MAX3
309	Maxima	17.6408 MAX3	11.9377 MAX3	181.4481 MAX3	1.4516 MAX3	2.9405 MAX3	0.0458 MAX3
320	Minima	-1.9930 MAX3	-0.3087 MAX3	67.8716 MAX3	-1.2149 MAX3	-3.2955 MAX3	-1.431E-04 MAX3
320	Maxima	0.6201 MAX3	0.5217 MAX3	169.0581 MAX3	0.9246 MAX3	1.6675 MAX3	1.431E-04 MAX3
331	Minima	-1.9792 MAX3	-0.5162 MAX3	68.3803 MAX3	-0.9378 MAX3	-3.2214 MAX3	-1.431E-04 MAX3
331	Maxima	0.6053 MAX3	0.3131 MAX3	170.1446 MAX3	1.1984 MAX3	1.5939 MAX3	1.431E-04 MAX3
342	Minima	-18.5312 MAX3	-11.7455 MAX3	-67.6141 MAX3	-1.4652 MAX3	-2.5513 MAX3	-0.0465 MAX3
342	Maxima	16.0013 MAX3	11.0032 MAX3	181.8578 MAX3	1.1608 MAX3	2.6543 MAX3	0.0462 MAX3
393	Minima	-0.7501 MAX3	-12.1055 MAX3	-84.4550 MAX3	-1.4814 MAX3	-2.3559 MAX3	-0.0415 MAX3
393	Maxima	1.1302 MAX3	11.3886 MAX3	179.3284 MAX3	1.1625 MAX3	2.3554 MAX3	0.0415 MAX3
395	Minima	-0.7234 MAX3	-11.2247 MAX3	-81.1978 MAX3	-1.1740 MAX3	-2.2088 MAX3	-0.0384 MAX3
395	Maxima	1.1035 MAX3	12.3101 MAX3	183.4310 MAX3	1.4672 MAX3	2.2083 MAX3	0.0385 MAX3
404	Minima	-1.1302 MAX3	-12.1055 MAX3	-84.4550 MAX3	-1.4814 MAX3	-2.3554 MAX3	-0.0415 MAX3
404	Maxima	0.7501 MAX3	11.3886 MAX3	179.3284 MAX3	1.1625 MAX3	2.3559 MAX3	0.0415 MAX3
405	Minima	-1.1035 MAX3	-11.2247 MAX3	-81.1978 MAX3	-1.1740 MAX3	-2.2083 MAX3	-0.0385 MAX3
405	Maxima	0.7234 MAX3	12.3101 MAX3	183.4310 MAX3	1.4672 MAX3	2.2088 MAX3	0.0384 MAX3

STEEL STRESS CHECK OUTPUT (EUROCODE 3-1993) (1 - 2 .kat)

FRAME ID	SECTION ID	COMBO	MOMENT RATIO	INTERACTION CHECK	SHEAR22 RATIO	SHEAR33 RATIO
1	HE340-M	MAX3 (C)	0.324	= 0.277 + 0.024 + 0.023	MAX3 0.008	MAX3 0.002
2	HE340-M	MAX3 (C)	0.232	= 0.203 + 0.008 + 0.021	MAX3 0.004	MAX3 0.002
11	HE340-M	MAX3 (C)	0.406	= 0.342 + 0.032 + 0.032	MAX3 0.020	MAX3 0.002
12	HE340-M	MAX3 (C)	0.391	= 0.281 + 0.062 + 0.048	MAX3 0.020	MAX3 0.002
21	HE340-M	MAX3 (C)	0.407	= 0.343 + 0.040 + 0.025	MAX3 0.040	MAX3 0.004
22	HE340-M	MAX3 (C)	0.392	= 0.283 + 0.061 + 0.047	MAX3 0.007	MAX3 0.002
31	HE340-M	MAX3 (C)	0.321	= 0.277 + 0.022 + 0.023	MAX3 0.004	MAX3 0.002
32	HE340-M	MAX3 (C)	0.229	= 0.202 + 0.007 + 0.019	MAX3 0.010	MAX3 0.003
41	HE340-M	MAX3 (C)	0.547	= 0.496 + 0.020 + 0.032	MAX3 0.017	MAX3 0.005
42	HE340-M	MAX3 (C)	0.519	= 0.457 + 0.028 + 0.034	MAX3 0.009	MAX3 0.002
51	HE340-M	MAX3 (C)	0.795	= 0.726 + 0.034 + 0.035	MAX3 0.008	MAX3 0.002
52	HE340-M	MAX3 (C)	0.660	= 0.617 + 0.018 + 0.026	MAX3 0.009	MAX3 0.001
61	HE340-M	MAX3 (C)	0.794	= 0.726 + 0.033 + 0.035	MAX3 0.007	MAX3 0.002
62	HE340-M	MAX3 (C)	0.659	= 0.617 + 0.017 + 0.025	MAX3 0.010	MAX3 0.003
71	HE340-M	MAX3 (C)	0.499	= 0.448 + 0.019 + 0.031	MAX3 0.017	MAX3 0.005
72	HE340-M	MAX3 (C)	0.474	= 0.411 + 0.028 + 0.034	MAX3 0.008	MAX3 0.003
81	HE340-M	MAX3 (C)	0.471	= 0.422 + 0.028 + 0.022	MAX3 0.010	MAX3 0.005
82	HE340-M	MAX3 (C)	0.481	= 0.424 + 0.020 + 0.037	MAX3 0.010	MAX3 0.002
91	HE340-M	MAX3 (C)	0.806	= 0.737 + 0.034 + 0.035	MAX3 0.008	MAX3 0.002
92	HE340-M	MAX3 (C)	0.672	= 0.627 + 0.019 + 0.026	MAX3 0.009	MAX3 0.002
101	HE340-M	MAX3 (C)	0.804	= 0.735 + 0.034 + 0.035	MAX3 0.009	MAX3 0.002
102	HE340-M	MAX3 (C)	0.672	= 0.626 + 0.020 + 0.026	MAX3 0.008	MAX3 0.002
111	HE340-M	MAX3 (C)	0.467	= 0.421 + 0.025 + 0.022	MAX3 0.008	MAX3 0.003
112	HE340-M	MAX3 (C)	0.477	= 0.423 + 0.019 + 0.036	MAX3 0.009	MAX3 0.005

121	HE340-M	MAX3	(C)	0.476	= 0.426 + 0.027 + 0.023	MAX3	0.008	MAX3	0.003
122	HE340-M	MAX3	(C)	0.485	= 0.429 + 0.016 + 0.040	MAX3	0.007	MAX3	0.005
131	HE340-M	MAX3	(C)	0.966	= 0.862 + 0.049 + 0.055	MAX3	0.013	MAX3	0.002
132	HE340-M	MAX3	(C)	0.769	= 0.726 + 0.016 + 0.027	MAX3	0.006	MAX3	0.002
141	HE340-M	MAX3	(C)	0.900	= 0.798 + 0.048 + 0.053	MAX3	0.013	MAX3	0.002
142	HE340-M	MAX3	(C)	0.736	= 0.694 + 0.016 + 0.026	MAX3	0.006	MAX3	0.002
151	HE340-M	MAX3	(C)	0.472	= 0.425 + 0.024 + 0.023	MAX3	0.007	MAX3	0.003
152	HE340-M	MAX3	(C)	0.482	= 0.428 + 0.015 + 0.039	MAX3	0.007	MAX3	0.005
161	HE340-M	MAX3	(C)	0.476	= 0.426 + 0.027 + 0.023	MAX3	0.008	MAX3	0.003
162	HE340-M	MAX3	(C)	0.485	= 0.429 + 0.016 + 0.040	MAX3	0.007	MAX3	0.005
171	HE340-M	MAX3	(C)	0.966	= 0.862 + 0.049 + 0.055	MAX3	0.013	MAX3	0.002
172	HE340-M	MAX3	(C)	0.769	= 0.726 + 0.016 + 0.027	MAX3	0.006	MAX3	0.002
181	HE340-M	MAX3	(C)	0.900	= 0.798 + 0.048 + 0.053	MAX3	0.013	MAX3	0.002
182	HE340-M	MAX3	(C)	0.736	= 0.694 + 0.016 + 0.026	MAX3	0.006	MAX3	0.002
191	HE340-M	MAX3	(C)	0.472	= 0.425 + 0.024 + 0.023	MAX3	0.007	MAX3	0.003
192	HE340-M	MAX3	(C)	0.482	= 0.428 + 0.015 + 0.039	MAX3	0.007	MAX3	0.005
201	HE340-M	MAX3	(C)	0.471	= 0.422 + 0.028 + 0.022	MAX3	0.008	MAX3	0.003
202	HE340-M	MAX3	(C)	0.481	= 0.424 + 0.020 + 0.037	MAX3	0.010	MAX3	0.005
211	HE340-M	MAX3	(C)	0.806	= 0.737 + 0.034 + 0.035	MAX3	0.010	MAX3	0.002
212	HE340-M	MAX3	(C)	0.672	= 0.627 + 0.019 + 0.026	MAX3	0.008	MAX3	0.002
221	HE340-M	MAX3	(C)	0.804	= 0.735 + 0.034 + 0.035	MAX3	0.009	MAX3	0.002
222	HE340-M	MAX3	(C)	0.672	= 0.626 + 0.020 + 0.026	MAX3	0.009	MAX3	0.002
231	HE340-M	MAX3	(C)	0.467	= 0.421 + 0.025 + 0.022	MAX3	0.008	MAX3	0.003
232	HE340-M	MAX3	(C)	0.477	= 0.423 + 0.018 + 0.036	MAX3	0.009	MAX3	0.005
241	HE340-M	MAX3	(C)	0.547	= 0.496 + 0.020 + 0.032	MAX3	0.010	MAX3	0.003
242	HE340-M	MAX3	(C)	0.519	= 0.457 + 0.028 + 0.034	MAX3	0.017	MAX3	0.005
251	HE340-M	MAX3	(C)	0.795	= 0.726 + 0.034 + 0.035	MAX3	0.009	MAX3	0.002
252	HE340-M	MAX3	(C)	0.660	= 0.617 + 0.018 + 0.026	MAX3	0.008	MAX3	0.002
261	HE340-M	MAX3	(C)	0.794	= 0.726 + 0.033 + 0.035	MAX3	0.009	MAX3	0.001
262	HE340-M	MAX3	(C)	0.659	= 0.617 + 0.017 + 0.025	MAX3	0.007	MAX3	0.002
271	HE340-M	MAX3	(C)	0.499	= 0.448 + 0.019 + 0.031	MAX3	0.010	MAX3	0.003
272	HE340-M	MAX3	(C)	0.474	= 0.411 + 0.028 + 0.034	MAX3	0.017	MAX3	0.005
281	HE340-M	MAX3	(C)	0.324	= 0.277 + 0.024 + 0.023	MAX3	0.008	MAX3	0.002
282	HE340-M	MAX3	(C)	0.232	= 0.203 + 0.008 + 0.021	MAX3	0.004	MAX3	0.002
291	HE340-M	MAX3	(C)	0.406	= 0.342 + 0.032 + 0.032	MAX3	0.020	MAX3	0.002
292	HE340-M	MAX3	(C)	0.391	= 0.281 + 0.062 + 0.048	MAX3	0.040	MAX3	0.005
301	HE340-M	MAX3	(C)	0.407	= 0.343 + 0.040 + 0.025	MAX3	0.020	MAX3	0.002
302	HE340-M	MAX3	(C)	0.392	= 0.283 + 0.061 + 0.047	MAX3	0.040	MAX3	0.004
311	HE340-M	MAX3	(C)	0.321	= 0.277 + 0.022 + 0.023	MAX3	0.007	MAX3	0.002
312	HE340-M	MAX3	(C)	0.229	= 0.202 + 0.007 + 0.019	MAX3	0.004	MAX3	0.002
331	HE160-M	MAX3	(T)	0.405	= 0.000 + 0.405 + 0.000	MAX3	0.237	MAX3	0.000
332	HE160-M	MAX3	(T)	0.436	= 0.000 + 0.436 + 0.000	MAX3	0.243	MAX3	0.000
341	HE160-M	MAX3	(T)	0.393	= 0.000 + 0.393 + 0.000	MAX3	0.235	MAX3	0.000
342	HE160-M	MAX3	(T)	0.402	= 0.000 + 0.402 + 0.000	MAX3	0.235	MAX3	0.000
351	HE160-M	MAX3	(T)	0.393	= 0.000 + 0.393 + 0.000	MAX3	0.235	MAX3	0.000
352	HE160-M	MAX3	(T)	0.402	= 0.000 + 0.402 + 0.000	MAX3	0.235	MAX3	0.000
361	HE160-M	MAX3	(T)	0.393	= 0.000 + 0.393 + 0.000	MAX3	0.235	MAX3	0.000
362	HE160-M	MAX3	(T)	0.402	= 0.000 + 0.402 + 0.000	MAX3	0.235	MAX3	0.000
371	HE160-M	MAX3	(T)	0.405	= 0.000 + 0.405 + 0.000	MAX3	0.237	MAX3	0.000
372	HE160-M	MAX3	(T)	0.436	= 0.000 + 0.436 + 0.000	MAX3	0.243	MAX3	0.000
391	HE160-M	MAX3	(T)	0.724	= 0.000 + 0.724 + 0.000	MAX3	0.463	MAX3	0.000
392	HE160-M	MAX3	(T)	0.768	= 0.000 + 0.768 + 0.000	MAX3	0.471	MAX3	0.000

401	HE160-M					MAX3	0.463	MAX3	0.000
402	HE160-M	MAX3	(T) 0.737 = 0.000 + 0.737 + 0.000			MAX3	0.463	MAX3	0.000
411	HE160-M	MAX3	(T) 0.744 = 0.000 + 0.744 + 0.000			MAX3	0.467	MAX3	0.000
412	HE160-M	MAX3	(T) 0.756 = 0.000 + 0.756 + 0.000			MAX3	0.467	MAX3	0.000
421	HE160-M	MAX3	(T) 0.769 = 0.000 + 0.769 + 0.000			MAX3	0.463	MAX3	0.000
422	HE160-M	MAX3	(T) 0.728 = 0.000 + 0.728 + 0.000			MAX3	0.463	MAX3	0.000
431	HE160-M	MAX3	(T) 0.729 = 0.000 + 0.729 + 0.000			MAX3	0.467	MAX3	0.000
432	HE160-M	MAX3	(T) 0.756 = 0.000 + 0.756 + 0.000			MAX3	0.467	MAX3	0.000
441	HE160-M	MAX3	(T) 0.769 = 0.000 + 0.769 + 0.000			MAX3	0.463	MAX3	0.000
442	HE160-M	MAX3	(T) 0.737 = 0.000 + 0.737 + 0.000			MAX3	0.463	MAX3	0.000
451	HE160-M	MAX3	(T) 0.744 = 0.000 + 0.744 + 0.000			MAX3	0.463	MAX3	0.000
452	HE160-M	MAX3	(T) 0.724 = 0.000 + 0.724 + 0.000			MAX3	0.471	MAX3	0.000
461	HE160-M	MAX3	(T) 0.768 = 0.000 + 0.768 + 0.000			MAX3	0.463	MAX3	0.000
462	HE160-M	MAX3	(T) 0.723 = 0.000 + 0.723 + 0.000			MAX3	0.471	MAX3	0.000
471	HE160-M	MAX3	(T) 0.766 = 0.000 + 0.766 + 0.000			MAX3	0.463	MAX3	0.000
472	HE160-M	MAX3	(T) 0.736 = 0.000 + 0.736 + 0.000			MAX3	0.463	MAX3	0.000
481	HE160-M	MAX3	(T) 0.743 = 0.000 + 0.743 + 0.000			MAX3	0.468	MAX3	0.000
482	HE160-M	MAX3	(T) 0.764 = 0.000 + 0.764 + 0.000			MAX3	0.468	MAX3	0.000
491	HE160-M	MAX3	(T) 0.782 = 0.000 + 0.782 + 0.000			MAX3	0.463	MAX3	0.000
492	HE160-M	MAX3	(T) 0.728 = 0.000 + 0.728 + 0.000			MAX3	0.463	MAX3	0.000
492	HE160-M	MAX3	(T) 0.729 = 0.000 + 0.729 + 0.000			MAX3	0.463	MAX3	0.000
501	HE160-M	MAX3	(T) 0.729 = 0.000 + 0.729 + 0.000			MAX3	0.468	MAX3	0.000
502	HE160-M	MAX3	(T) 0.764 = 0.000 + 0.764 + 0.000			MAX3	0.468	MAX3	0.000
511	HE160-M	MAX3	(T) 0.782 = 0.000 + 0.782 + 0.000			MAX3	0.463	MAX3	0.000
512	HE160-M	MAX3	(T) 0.736 = 0.000 + 0.736 + 0.000			MAX3	0.463	MAX3	0.000
512	HE160-M	MAX3	(T) 0.743 = 0.000 + 0.743 + 0.000			MAX3	0.463	MAX3	0.000
521	HE160-M	MAX3	(T) 0.723 = 0.000 + 0.723 + 0.000			MAX3	0.463	MAX3	0.000
522	HE160-M	MAX3	(T) 0.766 = 0.000 + 0.766 + 0.000			MAX3	0.471	MAX3	0.000
541	HE160-M	MAX3	(T) 0.400 = 0.000 + 0.400 + 0.000			MAX3	0.236	MAX3	0.000
542	HE160-M	MAX3	(T) 0.400 = 0.000 + 0.400 + 0.000			MAX3	0.242	MAX3	0.000
551	HE160-M	MAX3	(T) 0.430 = 0.000 + 0.430 + 0.000			MAX3	0.235	MAX3	0.000
552	HE160-M	MAX3	(T) 0.390 = 0.000 + 0.390 + 0.000			MAX3	0.235	MAX3	0.000
552	HE160-M	MAX3	(T) 0.398 = 0.000 + 0.398 + 0.000			MAX3	0.235	MAX3	0.000
561	HE160-M	MAX3	(T) 0.389 = 0.000 + 0.389 + 0.000			MAX3	0.235	MAX3	0.000
562	HE160-M	MAX3	(T) 0.397 = 0.000 + 0.397 + 0.000			MAX3	0.235	MAX3	0.000
571	HE160-M	MAX3	(T) 0.390 = 0.000 + 0.390 + 0.000			MAX3	0.235	MAX3	0.000
572	HE160-M	MAX3	(T) 0.390 = 0.000 + 0.390 + 0.000			MAX3	0.235	MAX3	0.000
581	HE160-M	MAX3	(T) 0.398 = 0.000 + 0.398 + 0.000			MAX3	0.236	MAX3	0.000
582	HE160-M	MAX3	(T) 0.400 = 0.000 + 0.400 + 0.000			MAX3	0.242	MAX3	0.000
611	HE160-M	MAX3	(T) 0.430 = 0.000 + 0.430 + 0.000			MAX3	0.051	MAX3	0.000
612	HE160-M	MAX3	(T) 0.137 = 0.000 + 0.137 + 0.000			MAX3	0.052	MAX3	0.000
612	HE160-M	MAX3	(T) 0.145 = 0.000 + 0.145 + 0.000			MAX3	0.052	MAX3	0.000
631	HE160-M	MAX3	(T) 0.236 = 0.000 + 0.236 + 0.000			MAX3	0.090	MAX3	0.000
632	HE160-M	MAX3	(T) 0.236 = 0.000 + 0.236 + 0.000			MAX3	0.093	MAX3	0.000
641	HE160-M	MAX3	(T) 0.262 = 0.000 + 0.262 + 0.000			MAX3	0.090	MAX3	0.000
642	HE160-M	MAX3	(T) 0.241 = 0.000 + 0.241 + 0.000			MAX3	0.091	MAX3	0.000
651	HE160-M	MAX3	(T) 0.247 = 0.000 + 0.247 + 0.000			MAX3	0.090	MAX3	0.000
652	HE160-M	MAX3	(T) 0.236 = 0.000 + 0.236 + 0.000			MAX3	0.093	MAX3	0.000
652	HE160-M	MAX3	(T) 0.259 = 0.000 + 0.259 + 0.000			MAX3	0.093	MAX3	0.000
661	HE160-M	MAX3	(T) 0.240 = 0.000 + 0.240 + 0.000			MAX3	0.091	MAX3	0.000
662	HE160-M	MAX3	(T) 0.240 = 0.000 + 0.240 + 0.000			MAX3	0.092	MAX3	0.000
671	HE160-M	MAX3	(T) 0.257 = 0.000 + 0.257 + 0.000			MAX3	0.092	MAX3	0.000
671	HE160-M	MAX3	(T) 0.257 = 0.000 + 0.257 + 0.000			MAX3	0.090	MAX3	0.000
672	HE160-M	MAX3	(T) 0.240 = 0.000 + 0.240 + 0.000			MAX3	0.090	MAX3	0.000
681	HE160-M	MAX3	(T) 0.246 = 0.000 + 0.246 + 0.000			MAX3	0.091	MAX3	0.000
681	HE160-M	MAX3	(T) 0.241 = 0.000 + 0.241 + 0.000			MAX3	0.092	MAX3	0.000
682	HE160-M	MAX3	(T) 0.253 = 0.000 + 0.253 + 0.000			MAX3	0.092	MAX3	0.000
691	HE160-M	MAX3	(T) 0.251 = 0.000 + 0.251 + 0.000			MAX3	0.092	MAX3	0.000
692	HE160-M	MAX3	(T) 0.251 = 0.000 + 0.251 + 0.000			MAX3	0.093	MAX3	0.000
692	HE160-M	MAX3	(T) 0.259 = 0.000 + 0.259 + 0.000			MAX3	0.093	MAX3	0.000

701	HE160-M					MAX3	0.068	MAX3	0.000
702	HE160-M	MAX3	(T)	$0.227 = 0.000 + 0.227 + 0.000$		MAX3	0.087	MAX3	0.000
711	HE160-M	MAX3	(T)	$0.223 = 0.000 + 0.223 + 0.000$		MAX3	0.092	MAX3	0.000
712	HE160-M	MAX3	(T)	$0.253 = 0.000 + 0.253 + 0.000$		MAX3	0.093	MAX3	0.000
721	HE160-M	MAX3	(T)	$0.258 = 0.000 + 0.258 + 0.000$		MAX3	0.092	MAX3	0.000
722	HE160-M	MAX3	(T)	$0.251 = 0.000 + 0.251 + 0.000$		MAX3	0.093	MAX3	0.000
731	HE160-M	MAX3	(T)	$0.259 = 0.000 + 0.259 + 0.000$		MAX3	0.088	MAX3	0.000
732	HE160-M	MAX3	(T)	$0.227 = 0.000 + 0.227 + 0.000$		MAX3	0.087	MAX3	0.000
741	HE160-M	MAX3	(T)	$0.223 = 0.000 + 0.223 + 0.000$		MAX3	0.092	MAX3	0.000
742	HE160-M	MAX3	(T)	$0.253 = 0.000 + 0.253 + 0.000$		MAX3	0.093	MAX3	0.000
751	HE160-M	MAX3	(T)	$0.258 = 0.000 + 0.258 + 0.000$		MAX3	0.091	MAX3	0.000
752	HE160-M	MAX3	(T)	$0.240 = 0.000 + 0.240 + 0.000$		MAX3	0.092	MAX3	0.000
761	HE160-M	MAX3	(T)	$0.257 = 0.000 + 0.257 + 0.000$		MAX3	0.090	MAX3	0.000
762	HE160-M	MAX3	(T)	$0.240 = 0.000 + 0.240 + 0.000$		MAX3	0.090	MAX3	0.000
771	HE160-M	MAX3	(T)	$0.246 = 0.000 + 0.246 + 0.000$		MAX3	0.091	MAX3	0.000
772	HE160-M	MAX3	(T)	$0.241 = 0.000 + 0.241 + 0.000$		MAX3	0.092	MAX3	0.000
781	HE160-M	MAX3	(T)	$0.253 = 0.000 + 0.253 + 0.000$		MAX3	0.090	MAX3	0.000
782	HE160-M	MAX3	(T)	$0.236 = 0.000 + 0.236 + 0.000$		MAX3	0.093	MAX3	0.000
791	HE160-M	MAX3	(T)	$0.262 = 0.000 + 0.262 + 0.000$		MAX3	0.090	MAX3	0.000
792	HE160-M	MAX3	(T)	$0.241 = 0.000 + 0.241 + 0.000$		MAX3	0.091	MAX3	0.000
801	HE160-M	MAX3	(T)	$0.247 = 0.000 + 0.247 + 0.000$		MAX3	0.090	MAX3	0.000
802	HE160-M	MAX3	(T)	$0.236 = 0.000 + 0.236 + 0.000$		MAX3	0.093	MAX3	0.000
821	HE160-M	MAX3	(T)	$0.259 = 0.000 + 0.259 + 0.000$		MAX3	0.051	MAX3	0.000
822	HE160-M	MAX3	(T)	$0.137 = 0.000 + 0.137 + 0.000$		MAX3	0.052	MAX3	0.000
841	HE180-M	MAX3	(C)	$0.337 = 0.304 + 0.022 + 0.011$		MAX3	0.005	MAX3	0.000
842	HE180-M	MAX3	(C)	$0.341 = 0.307 + 0.022 + 0.011$		MAX3	0.005	MAX3	0.000
843	HE180-M	MAX3	(C)	$0.341 = 0.307 + 0.022 + 0.011$		MAX3	0.005	MAX3	0.000
844	HE180-M	MAX3	(C)	$0.337 = 0.304 + 0.022 + 0.011$		MAX3	0.004	MAX3	0.000
845	HE180-M	MAX3	(C)	$0.245 = 0.230 + 0.007 + 0.008$		MAX3	0.007	MAX3	0.001
846	HE180-M	MAX3	(C)	$0.239 = 0.203 + 0.021 + 0.016$		MAX3	0.007	MAX3	0.001
847	HE180-M	MAX3	(C)	$0.239 = 0.203 + 0.021 + 0.016$		MAX3	0.004	MAX3	0.000
848	HE180-M	MAX3	(C)	$0.245 = 0.230 + 0.007 + 0.008$		MAX3	0.005	MAX3	0.000
849	HE180-M	MAX3	(C)	$0.365 = 0.330 + 0.024 + 0.011$		MAX3	0.005	MAX3	0.000
850	HE180-M	MAX3	(C)	$0.371 = 0.336 + 0.024 + 0.011$		MAX3	0.005	MAX3	0.000
851	HE180-M	MAX3	(C)	$0.371 = 0.336 + 0.024 + 0.011$		MAX3	0.005	MAX3	0.000
852	HE180-M	MAX3	(C)	$0.365 = 0.330 + 0.024 + 0.011$		MAX3	0.004	MAX3	0.000
853	HE180-M	MAX3	(C)	$0.266 = 0.250 + 0.007 + 0.009$		MAX3	0.007	MAX3	0.001
854	HE180-M	MAX3	(C)	$0.263 = 0.226 + 0.021 + 0.016$		MAX3	0.007	MAX3	0.001
855	HE180-M	MAX3	(C)	$0.263 = 0.226 + 0.021 + 0.016$		MAX3	0.004	MAX3	0.000
856	HE180-M	MAX3	(C)	$0.266 = 0.250 + 0.007 + 0.009$		MAX3	0.011	MAX3	0.002
921	HE340-M	MAX3	(C)	$0.329 = 0.280 + 0.023 + 0.026$		MAX3	0.011	MAX3	0.002
922	HE340-M	MAX3	(C)	$0.334 = 0.287 + 0.021 + 0.026$		MAX3	0.005	MAX3	0.000
923	HE180-M	MAX3	(C)	$0.276 = 0.240 + 0.023 + 0.013$		MAX3	0.005	MAX2	0.000
924	HE180-M	MAX3	(C)	$0.276 = 0.243 + 0.022 + 0.013$		MAX3	0.005	MAX3	0.000
925	HE180-M	MAX3	(C)	$0.281 = 0.247 + 0.022 + 0.012$		MAX3	0.005	MAX3	0.000
926	HE180-M	MAX3	(C)	$0.272 = 0.237 + 0.023 + 0.012$		MAX3	0.007	MAX3	0.000
927	HE180-M	MAX3	(C)	$0.178 = 0.152 + 0.021 + 0.004$		MAX3	0.006	MAX3	0.000
928	HE180-M	MAX3	(C)	$0.197 = 0.173 + 0.021 + 0.002$		MAX3	0.006	MAX3	0.003
929	HE340-M	MAX3	(C)	$0.248 = 0.213 + 0.004 + 0.031$		MAX3	0.006	MAX3	0.003
930	HE340-M	MAX3	(C)	$0.243 = 0.208 + 0.004 + 0.031$		MAX3	0.006	MAX3	0.006
931	HE180-M	MAX3	(C)	$0.199 = 0.176 + 0.021 + 0.002$		MAX3	0.007	MAX3	0.000
932	HE180-M	MAX3	(C)	$0.172 = 0.150 + 0.023 + 0.004$		MAX3			

933	HE180-M	MAX3	(C)	$0.276 = 0.240 + 0.023 + 0.013$	MAX3	0.005	MAX3	0.000
934	HE180-M	MAX3	(C)	$0.278 = 0.243 + 0.022 + 0.013$	MAX3	0.005	MAX3	0.000
935	HE180-M	MAX3	(C)	$0.281 = 0.247 + 0.022 + 0.012$	MAX3	0.005	MAX3	0.000
936	HE180-M	MAX3	(C)	$0.272 = 0.237 + 0.023 + 0.012$	MAX3	0.005	MAX3	0.000
937	HE180-M	MAX3	(C)	$0.178 = 0.152 + 0.021 + 0.004$	MAX3	0.007	MAX3	0.000
938	HE180-M	MAX3	(C)	$0.197 = 0.173 + 0.021 + 0.002$	MAX3	0.006	MAX3	0.000
939	HE180-M	MAX3	(C)	$0.199 = 0.176 + 0.021 + 0.002$	MAX3	0.006	MAX3	0.000
940	HE180-M	MAX3	(C)	$0.173 = 0.150 + 0.020 + 0.004$	MAX3	0.007	MAX3	0.000
989	HE340-M	MAX3	(C)	$0.329 = 0.280 + 0.023 + 0.026$	MAX3	0.011	MAX3	0.002
990	HE340-M	MAX3	(C)	$0.243 = 0.208 + 0.004 + 0.031$	MAX3	0.006	MAX3	0.003
991	HE340-M	MAX3	(C)	$0.334 = 0.287 + 0.021 + 0.026$	MAX3	0.011	MAX3	0.002
992	HE340-M	MAX3	(C)	$0.248 = 0.213 + 0.004 + 0.031$	MAX3	0.006	MAX3	0.003
1101	HE160-M	MAX3	(T)	$0.172 = 0.000 + 0.172 + 0.000$	MAX3	0.154	MAX3	0.000
1102	HE160-M	MAX3	(T)	$0.168 = 0.000 + 0.168 + 0.000$	MAX3	0.147	MAX3	0.000
1103	HE160-M	MAX3	(T)	$0.135 = 0.000 + 0.135 + 0.000$	MAX3	0.138	MAX3	0.000
1104	HE160-M	MAX3	(T)	$0.140 = 0.000 + 0.140 + 0.000$	MAX3	0.137	MAX3	0.000
1121	HE160-M	MAX3	(T)	$0.168 = 0.000 + 0.168 + 0.000$	MAX3	0.147	MAX3	0.000
1122	HE160-M	MAX3	(T)	$0.172 = 0.000 + 0.172 + 0.000$	MAX3	0.154	MAX3	0.000
1123	HE160-M	MAX3	(T)	$0.140 = 0.000 + 0.140 + 0.000$	MAX3	0.137	MAX3	0.000
1124	HE160-M	MAX3	(T)	$0.135 = 0.000 + 0.135 + 0.000$	MAX3	0.138	MAX3	0.000
1141	HE160-M	MAX3	(T)	$0.168 = 0.000 + 0.168 + 0.000$	MAX3	0.152	MAX3	0.000
1142	HE160-M	MAX3	(T)	$0.168 = 0.000 + 0.168 + 0.000$	MAX3	0.146	MAX3	0.000
1143	HE160-M	MAX3	(T)	$0.165 = 0.000 + 0.165 + 0.000$	MAX3	0.136	MAX3	0.000
1144	HE160-M	MAX3	(T)	$0.133 = 0.000 + 0.133 + 0.000$	MAX3	0.136	MAX3	0.000
1161	HE160-M	MAX3	(T)	$0.138 = 0.000 + 0.138 + 0.000$	MAX3	0.146	MAX3	0.000
1162	HE160-M	MAX3	(T)	$0.165 = 0.000 + 0.165 + 0.000$	MAX3	0.152	MAX3	0.000
1163	HE160-M	MAX3	(T)	$0.168 = 0.000 + 0.168 + 0.000$	MAX3	0.136	MAX3	0.000
1164	HE160-M	MAX3	(T)	$0.138 = 0.000 + 0.138 + 0.000$	MAX3	0.136	MAX3	0.000
1164	HE160-M	MAX3	(T)	$0.133 = 0.000 + 0.133 + 0.000$	MAX3	0.136	MAX3	0.000
1181	HE160-M	MAX3	(T)	$0.154 = 0.000 + 0.154 + 0.000$	MAX3	0.096	MAX3	0.000
1182	HE160-M	MAX3	(T)	$0.139 = 0.000 + 0.139 + 0.000$	MAX3	0.082	MAX3	0.000
1183	HE160-M	MAX3	(T)	$0.134 = 0.000 + 0.134 + 0.000$	MAX3	0.050	MAX3	0.000
1184	HE160-M	MAX3	(T)	$0.134 = 0.000 + 0.134 + 0.000$	MAX3	0.074	MAX3	0.000
1185	HE160-M	MAX3	(T)	$0.109 = 0.000 + 0.109 + 0.000$	MAX3	0.055	MAX3	0.000
1186	HE160-M	MAX3	(T)	$0.089 = 0.000 + 0.089 + 0.000$	MAX3	0.068	MAX3	0.000
1186	HE160-M	MAX3	(T)	$0.198 = 0.000 + 0.198 + 0.000$	MAX3	0.068	MAX3	0.000
1211	HE160-M	MAX3	(T)	$0.131 = 0.000 + 0.131 + 0.000$	MAX3	0.049	MAX3	0.000
1212	HE160-M	MAX3	(T)	$0.132 = 0.000 + 0.132 + 0.000$	MAX3	0.080	MAX3	0.000
1213	HE160-M	MAX3	(T)	$0.143 = 0.000 + 0.143 + 0.000$	MAX3	0.090	MAX3	0.000
1214	HE160-M	MAX3	(T)	$0.193 = 0.000 + 0.193 + 0.000$	MAX3	0.067	MAX3	0.000
1215	HE160-M	MAX3	(T)	$0.193 = 0.000 + 0.193 + 0.000$	MAX3	0.055	MAX3	0.000
1216	HE160-M	MAX3	(T)	$0.087 = 0.000 + 0.087 + 0.000$	MAX3	0.071	MAX3	0.000
1241	HE160-M	MAX3	(T)	$0.102 = 0.000 + 0.102 + 0.000$	MAX3	0.096	MAX3	0.000
1242	HE160-M	MAX3	(T)	$0.154 = 0.000 + 0.154 + 0.000$	MAX3	0.082	MAX3	0.000
1243	HE160-M	MAX3	(T)	$0.139 = 0.000 + 0.139 + 0.000$	MAX3	0.050	MAX3	0.000
1244	HE160-M	MAX3	(T)	$0.134 = 0.000 + 0.134 + 0.000$	MAX3	0.050	MAX3	0.000
1244	HE160-M	MAX3	(T)	$0.109 = 0.000 + 0.109 + 0.000$	MAX3	0.074	MAX3	0.000
1245	HE160-M	MAX3	(T)	$0.109 = 0.000 + 0.109 + 0.000$	MAX3	0.055	MAX3	0.000
1246	HE160-M	MAX3	(T)	$0.089 = 0.000 + 0.089 + 0.000$	MAX3	0.068	MAX3	0.000
1246	HE160-M	MAX3	(T)	$0.198 = 0.000 + 0.198 + 0.000$	MAX3	0.068	MAX3	0.000
1271	HE160-M	MAX3	(T)	$0.198 = 0.000 + 0.198 + 0.000$	MAX3	0.049	MAX3	0.000
1272	HE160-M	MAX3	(T)	$0.131 = 0.000 + 0.131 + 0.000$	MAX3	0.080	MAX3	0.000
1272	HE160-M	MAX3	(T)	$0.132 = 0.000 + 0.132 + 0.000$	MAX3	0.080	MAX3	0.000
1273	HE160-M	MAX3	(T)	$0.143 = 0.000 + 0.143 + 0.000$	MAX3	0.090	MAX3	0.000
1274	HE160-M	MAX3	(T)	$0.193 = 0.000 + 0.193 + 0.000$	MAX3	0.067	MAX3	0.000
1275	HE160-M	MAX3	(T)	$0.193 = 0.000 + 0.193 + 0.000$	MAX3	0.055	MAX3	0.000
1275	HE160-M	MAX3	(T)	$0.087 = 0.000 + 0.087 + 0.000$	MAX3	0.071	MAX3	0.000
1276	HE160-M	MAX3	(T)	$0.102 = 0.000 + 0.102 + 0.000$	MAX3	0.071	MAX3	0.000
1276	HE160-M	MAX3	(T)	$0.102 = 0.000 + 0.102 + 0.000$	MAX3	0.071	MAX3	0.000

1301	HE180-M					MAX3	0.020	MAX3	0.000
1302	HE180-M	MAX3	(C)	0.824 = 0.754 + 0.051 + 0.019		MAX3	0.019	MAX3	0.000
1303	HE180-M	MAX3	(C)	0.806 = 0.749 + 0.051 + 0.006		MAX3	0.019	MAX3	0.000
1304	HE180-M	MAX3	(C)	0.824 = 0.754 + 0.051 + 0.019		MAX3	0.020	MAX3	0.000
1305	HE180-M	MAX3	(C)	0.567 = 0.509 + 0.051 + 0.008		MAX3	0.021	MAX3	0.000
1306	HE180-M	MAX3	(C)	0.553 = 0.504 + 0.047 + 0.002		MAX3	0.020	MAX3	0.000
1307	HE180-M	MAX3	(C)	0.553 = 0.504 + 0.047 + 0.002		MAX3	0.020	MAX3	0.000
1308	HE180-M	MAX3	(C)	0.567 = 0.509 + 0.051 + 0.008		MAX3	0.021	MAX3	0.000
1341	HE180-M	MAX3	(C)	0.879 = 0.828 + 0.040 + 0.011		MAX3	0.014	MAX3	0.000
1342	HE180-M	MAX3	(C)	0.864 = 0.819 + 0.041 + 0.004		MAX3	0.015	MAX3	0.000
1343	HE180-M	MAX3	(C)	0.843 = 0.797 + 0.041 + 0.005		MAX3	0.014	MAX3	0.000
1344	HE180-M	MAX3	(C)	0.858 = 0.806 + 0.042 + 0.011		MAX3	0.015	MAX3	0.000
1345	HE180-M	MAX3	(C)	0.624 = 0.583 + 0.038 + 0.003		MAX3	0.013	MAX3	0.000
1346	HE180-M	MAX3	(C)	0.610 = 0.574 + 0.035 + 0.001		MAX3	0.013	MAX3	0.000
1347	HE180-M	MAX3	(C)	0.610 = 0.574 + 0.035 + 0.001		MAX3	0.012	MAX3	0.000
1348	HE180-M	MAX3	(C)	0.608 = 0.571 + 0.036 + 0.001		MAX3	0.013	MAX3	0.000
1381	HE180-M	MAX3	(C)	0.621 = 0.580 + 0.038 + 0.003		MAX3	0.014	MAX3	0.000
1382	HE180-M	MAX3	(C)	0.879 = 0.828 + 0.040 + 0.011		MAX3	0.014	MAX3	0.000
1382	HE180-M	MAX3	(C)	0.864 = 0.819 + 0.041 + 0.004		MAX3	0.015	MAX3	0.000
1383	HE180-M	MAX3	(C)	0.843 = 0.797 + 0.041 + 0.005		MAX3	0.014	MAX3	0.000
1384	HE180-M	MAX3	(C)	0.858 = 0.806 + 0.042 + 0.011		MAX3	0.015	MAX3	0.000
1385	HE180-M	MAX3	(C)	0.624 = 0.583 + 0.038 + 0.003		MAX3	0.013	MAX3	0.000
1386	HE180-M	MAX3	(C)	0.624 = 0.583 + 0.038 + 0.003		MAX3	0.013	MAX3	0.000
1386	HE180-M	MAX3	(C)	0.610 = 0.574 + 0.035 + 0.001		MAX3	0.013	MAX3	0.000
1387	HE180-M	MAX3	(C)	0.610 = 0.574 + 0.035 + 0.001		MAX3	0.012	MAX3	0.000
1388	HE180-M	MAX3	(C)	0.608 = 0.571 + 0.036 + 0.001		MAX3	0.013	MAX3	0.000
1388	HE180-M	MAX3	(C)	0.621 = 0.580 + 0.038 + 0.003		MAX3	0.013	MAX3	0.000

JOINT DISPLACEMENTS (MASTER JOINTS)

JOINT	LOAD	U1	U2	U3	R1	R2	R3
5000	MAX3 MAX	1.907E-03	1.881E-03	0.0000	0.0000	0.0000	9.843E-06
5000	MAX3 MIN	-1.907E-03	-1.911E-03	0.0000	0.0000	0.0000	-9.843E-06
5001	MAX3 MAX	4.344E-03	4.288E-03	0.0000	0.0000	0.0000	2.154E-05
5001	MAX3 MIN	-4.344E-03	-4.384E-03	0.0000	0.0000	0.0000	-2.154E-05
5002	MAX3 MAX	7.464E-03	7.395E-03	0.0000	0.0000	0.0000	3.698E-05
5002	MAX3 MIN	-7.464E-03	-7.586E-03	0.0000	0.0000	0.0000	-3.698E-05
5003	MAX3 MAX	0.0111	0.0110	0.0000	0.0000	0.0000	5.533E-05
5003	MAX3 MIN	-0.0111	-0.0113	0.0000	0.0000	0.0000	-5.533E-05
5004	MAX3 MAX	0.0150	0.0150	0.0000	0.0000	0.0000	7.562E-05
5004	MAX3 MIN	-0.0150	-0.0154	0.0000	0.0000	0.0000	-7.562E-05
5005	MAX3 MAX	0.0191	0.0191	0.0000	0.0000	0.0000	9.701E-05
5005	MAX3 MIN	-0.0191	-0.0197	0.0000	0.0000	0.0000	-9.701E-05
5006	MAX3 MAX	0.0232	0.0233	0.0000	0.0000	0.0000	1.188E-04
5006	MAX3 MIN	-0.0232	-0.0241	0.0000	0.0000	0.0000	-1.188E-04
5007	MAX3 MAX	0.0272	0.0274	0.0000	0.0000	0.0000	1.403E-04
5007	MAX3 MIN	-0.0272	-0.0284	0.0000	0.0000	0.0000	-1.403E-04
5008	MAX3 MAX	0.0311	0.0314	0.0000	0.0000	0.0000	1.612E-04
5008	MAX3 MIN	-0.0311	-0.0326	0.0000	0.0000	0.0000	-1.612E-04
5009	MAX3 MAX	0.0347	0.0352	0.0000	0.0000	0.0000	1.807E-04
5009	MAX3 MIN	-0.0347	-0.0366	0.0000	0.0000	0.0000	-1.807E-04

JOINT DISPLACEMENTS (A AKSI)

JOINT	LOAD	U1	U2	U3	R1	R2	R3
34	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	MAX3 MAX	1.819E-03	1.881E-03	3.057E-04	5.791E-04	6.706E-04	9.843E-06
35	MAX3 MIN	-1.819E-03	-1.911E-03	-1.219E-03	-7.331E-04	-6.607E-04	-9.843E-06
36	MAX3 MAX	4.150E-03	4.288E-03	4.225E-04	8.775E-04	8.904E-04	2.154E-05
36	MAX3 MIN	-4.150E-03	-4.384E-03	-1.956E-03	-9.292E-04	-8.572E-04	-2.154E-05
37	MAX3 MAX	7.131E-03	7.395E-03	4.608E-04	1.087E-03	1.085E-03	3.698E-05
37	MAX3 MIN	-7.131E-03	-7.586E-03	-2.544E-03	-1.133E-03	-1.049E-03	-3.698E-05
38	MAX3 MAX	0.0106	0.0110	4.407E-04	1.239E-03	1.214E-03	5.533E-05
38	MAX3 MIN	-0.0106	-0.0113	-3.003E-03	-1.265E-03	-1.172E-03	-5.533E-05
39	MAX3 MAX	0.0143	0.0150	3.790E-04	1.336E-03	1.289E-03	7.562E-05
39	MAX3 MIN	-0.0143	-0.0154	-3.346E-03	-1.345E-03	-1.243E-03	-7.562E-05
40	MAX3 MAX	0.0182	0.0191	2.908E-04	1.387E-03	1.319E-03	9.701E-05
40	MAX3 MIN	-0.0182	-0.0197	-3.629E-03	-1.379E-03	-1.268E-03	-9.701E-05
41	MAX3 MAX	0.0221	0.0233	1.916E-04	1.400E-03	1.310E-03	1.188E-04
41	MAX3 MIN	-0.0221	-0.0241	-3.842E-03	-1.375E-03	-1.254E-03	-1.188E-04
42	MAX3 MAX	0.0259	0.0274	9.823E-05	1.384E-03	1.278E-03	1.403E-04
42	MAX3 MIN	-0.0259	-0.0284	-3.978E-03	-1.345E-03	-1.216E-03	-1.403E-04
43	MAX3 MAX	0.0296	0.0314	2.980E-05	1.337E-03	1.204E-03	1.612E-04
43	MAX3 MIN	-0.0296	-0.0326	-4.045E-03	-1.275E-03	-1.150E-03	-1.612E-04
44	MAX3 MAX	0.0330	0.0352	1.787E-05	1.284E-03	1.200E-03	1.807E-04
44	MAX3 MIN	-0.0330	-0.0366	-4.064E-03	-1.263E-03	-1.070E-03	-1.807E-04
78	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
78	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
79	MAX3 MAX	1.819E-03	1.881E-03	5.318E-04	9.678E-04	7.615E-04	9.843E-06
79	MAX3 MIN	-1.819E-03	-1.911E-03	-1.626E-03	-3.331E-04	-5.079E-04	-9.843E-06
80	MAX3 MAX	4.150E-03	4.288E-03	8.116E-04	1.089E-03	9.055E-04	2.154E-05
80	MAX3 MIN	-4.150E-03	-4.384E-03	-2.618E-03	-6.192E-04	-7.300E-04	-2.154E-05
81	MAX3 MAX	7.131E-03	7.395E-03	9.880E-04	1.325E-03	1.088E-03	3.698E-05
81	MAX3 MIN	-7.131E-03	-7.586E-03	-3.410E-03	-7.808E-04	-8.963E-04	-3.698E-05
82	MAX3 MAX	0.0106	0.0110	1.075E-03	1.464E-03	1.200E-03	5.533E-05
82	MAX3 MIN	-0.0106	-0.0113	-4.022E-03	-9.036E-04	-1.009E-03	-5.533E-05
83	MAX3 MAX	0.0143	0.0150	1.087E-03	1.559E-03	1.264E-03	7.562E-05
83	MAX3 MIN	-0.0143	-0.0154	-4.475E-03	-9.741E-04	-1.073E-03	-7.562E-05
84	MAX3 MAX	0.0182	0.0191	1.044E-03	1.606E-03	1.287E-03	9.701E-05
84	MAX3 MIN	-0.0182	-0.0197	-4.791E-03	-1.004E-03	-1.095E-03	-9.701E-05
85	MAX3 MAX	0.0221	0.0233	9.652E-04	1.618E-03	1.275E-03	1.188E-04
85	MAX3 MIN	-0.0221	-0.0241	-4.993E-03	-9.970E-04	-1.084E-03	-1.188E-04
86	MAX3 MAX	0.0259	0.0274	8.720E-04	1.583E-03	1.239E-03	1.403E-04
86	MAX3 MIN	-0.0259	-0.0284	-5.107E-03	-9.733E-04	-1.045E-03	-1.403E-04
87	MAX3 MAX	0.0296	0.0314	7.877E-04	1.601E-03	1.177E-03	1.612E-04
87	MAX3 MIN	-0.0296	-0.0326	-5.158E-03	-8.919E-04	-1.019E-03	-1.612E-04
88	MAX3 MAX	0.0330	0.0352	7.438E-04	1.220E-03	1.107E-03	1.807E-04
88	MAX3 MIN	-0.0330	-0.0366	-5.186E-03	-9.171E-04	-7.458E-04	-1.807E-04
122	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123	MAX3 MAX	1.819E-03	1.881E-03	-6.984E-04	9.613E-04	5.737E-04	9.843E-06
123	MAX3 MIN	-1.819E-03	-1.911E-03	-1.518E-03	-3.115E-04	-5.706E-04	-9.843E-06
124	MAX3 MAX	4.150E-03	4.288E-03	-1.166E-03	1.068E-03	7.572E-04	2.154E-05
124	MAX3 MIN	-4.150E-03	-4.384E-03	-2.537E-03	-6.051E-04	-7.446E-04	-2.154E-05
125	MAX3 MAX	7.131E-03	7.395E-03	-1.578E-03	1.300E-03	9.210E-04	3.698E-05
125	MAX3 MIN	-7.131E-03	-7.586E-03	-3.437E-03	-7.623E-04	-9.034E-04	-3.698E-05
126	MAX3 MAX	0.0106	0.0110	-1.936E-03	1.432E-03	1.029E-03	5.533E-05
126	MAX3 MIN	-0.0106	-0.0113	-4.218E-03	-6.850E-04	-1.006E-03	-5.533E-05
127	MAX3 MAX	0.0143	0.0150	-2.339E-03	1.523E-03	1.091E-03	7.562E-05
127	MAX3 MIN	-0.0143	-0.0154	-4.881E-03	-9.550E-04	-1.063E-03	-7.562E-05
128	MAX3 MAX	0.0182	0.0191	-2.490E-03	1.566E-03	1.113E-03	9.701E-05

128	MAX3 MIN	-0.0182	-0.0197	-5.425E-03	-9.855E-04	-1.081E-03	-9.701E-05
129	MAX3 MAX	0.0221	0.0233	-2.686E-03	1.577E-03	1.104E-03	1.188E-04
129	MAX3 MIN	-0.0221	-0.0241	-5.851E-03	-9.782E-04	-1.069E-03	-1.188E-04
130	MAX3 MAX	0.0259	0.0274	-2.830E-03	1.535E-03	1.064E-03	1.403E-04
130	MAX3 MIN	-0.0259	-0.0284	-6.159E-03	-9.556E-04	-1.026E-03	-1.403E-04
131	MAX3 MAX	0.0296	0.0314	-2.920E-03	1.576E-03	1.044E-03	1.612E-04
131	MAX3 MIN	-0.0296	-0.0326	-6.349E-03	-8.729E-04	-1.012E-03	-1.612E-04
132	MAX3 MAX	0.0330	0.0352	-2.957E-03	1.104E-03	7.763E-04	1.807E-04
132	MAX3 MIN	-0.0330	-0.0366	-6.421E-03	-9.039E-04	-7.007E-04	-1.807E-04
166	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
166	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
167	MAX3 MAX	1.819E-03	1.881E-03	-7.082E-04	9.300E-04	5.930E-04	9.843E-06
167	MAX3 MIN	-1.819E-03	-1.911E-03	-1.534E-03	-3.025E-04	-5.927E-04	-9.843E-06
168	MAX3 MAX	4.150E-03	4.288E-03	-1.183E-03	1.027E-03	7.772E-04	2.154E-05
168	MAX3 MIN	-4.150E-03	-4.384E-03	-2.565E-03	-5.812E-04	-7.770E-04	-2.154E-05
169	MAX3 MAX	7.131E-03	7.395E-03	-1.602E-03	1.245E-03	9.465E-04	3.698E-05
169	MAX3 MIN	-7.131E-03	-7.586E-03	-3.477E-03	-7.276E-04	-9.462E-04	-3.698E-05
170	MAX3 MAX	0.0106	0.0110	-1.966E-03	1.367E-03	1.056E-03	5.533E-05
170	MAX3 MIN	-0.0106	-0.0113	-4.270E-03	-8.416E-04	-1.056E-03	-5.533E-05
171	MAX3 MAX	0.0143	0.0150	-2.276E-03	1.450E-03	1.119E-03	7.562E-05
171	MAX3 MIN	-0.0143	-0.0154	-4.943E-03	-9.056E-04	-1.119E-03	-7.562E-05
172	MAX3 MAX	0.0182	0.0191	-2.531E-03	1.488E-03	1.141E-03	9.701E-05
172	MAX3 MIN	-0.0182	-0.0197	-5.497E-03	-9.317E-04	-1.141E-03	-9.701E-05
173	MAX3 MAX	0.0221	0.0233	-2.732E-03	1.498E-03	1.131E-03	1.188E-04
173	MAX3 MIN	-0.0221	-0.0241	-5.930E-03	-9.239E-04	-1.130E-03	-1.188E-04
174	MAX3 MAX	0.0259	0.0274	-2.878E-03	1.445E-03	1.092E-03	1.403E-04
174	MAX3 MIN	-0.0259	-0.0284	-6.244E-03	-8.932E-04	-1.091E-03	-1.403E-04
175	MAX3 MAX	0.0296	0.0314	-2.971E-03	1.521E-03	1.060E-03	1.612E-04
175	MAX3 MIN	-0.0296	-0.0326	-6.438E-03	-8.387E-04	-1.059E-03	-1.612E-04
176	MAX3 MAX	0.0330	0.0352	-3.009E-03	9.019E-04	8.390E-04	1.807E-04
176	MAX3 MIN	-0.0330	-0.0366	-6.511E-03	-7.575E-04	-8.396E-04	-1.807E-04
210	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
210	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
211	MAX3 MAX	1.819E-03	1.881E-03	-7.082E-04	9.300E-04	5.927E-04	9.843E-06
211	MAX3 MIN	-1.819E-03	-1.911E-03	-1.534E-03	-3.025E-04	-5.930E-04	-9.843E-06
212	MAX3 MAX	4.150E-03	4.288E-03	-1.183E-03	1.027E-03	7.770E-04	2.154E-05
212	MAX3 MIN	-4.150E-03	-4.384E-03	-2.565E-03	-5.812E-04	-7.772E-04	-2.154E-05
213	MAX3 MAX	7.131E-03	7.395E-03	-1.602E-03	1.245E-03	9.462E-04	3.698E-05
213	MAX3 MIN	-7.131E-03	-7.586E-03	-3.477E-03	-7.276E-04	-9.465E-04	-3.698E-05
214	MAX3 MAX	0.0106	0.0110	-1.966E-03	1.367E-03	1.056E-03	5.533E-05
214	MAX3 MIN	-0.0106	-0.0113	-4.270E-03	-8.416E-04	-1.056E-03	-5.533E-05
215	MAX3 MAX	0.0143	0.0150	-2.276E-03	1.450E-03	1.119E-03	7.562E-05
215	MAX3 MIN	-0.0143	-0.0154	-4.943E-03	-9.056E-04	-1.119E-03	-7.562E-05
216	MAX3 MAX	0.0182	0.0191	-2.531E-03	1.488E-03	1.141E-03	9.701E-05
216	MAX3 MIN	-0.0182	-0.0197	-5.497E-03	-9.317E-04	-1.141E-03	-9.701E-05
217	MAX3 MAX	0.0221	0.0233	-2.732E-03	1.498E-03	1.130E-03	1.188E-04
217	MAX3 MIN	-0.0221	-0.0241	-5.930E-03	-9.239E-04	-1.131E-03	-1.188E-04
218	MAX3 MAX	0.0259	0.0274	-2.878E-03	1.445E-03	1.091E-03	1.403E-04
218	MAX3 MIN	-0.0259	-0.0284	-6.244E-03	-8.932E-04	-1.092E-03	-1.403E-04
219	MAX3 MAX	0.0296	0.0314	-2.971E-03	1.521E-03	1.059E-03	1.612E-04
219	MAX3 MIN	-0.0296	-0.0326	-6.438E-03	-8.387E-04	-1.060E-03	-1.612E-04
220	MAX3 MAX	0.0330	0.0352	-3.009E-03	9.019E-04	8.396E-04	1.807E-04
220	MAX3 MIN	-0.0330	-0.0366	-6.511E-03	-7.575E-04	-8.390E-04	-1.807E-04
254	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
254	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
255	MAX3 MAX	1.819E-03	1.881E-03	-6.984E-04	9.613E-04	5.706E-04	9.843E-06
255	MAX3 MIN	-1.819E-03	-1.911E-03	-1.518E-03	-3.115E-04	-5.737E-04	-9.843E-06
256	MAX3 MAX	4.150E-03	4.288E-03	-1.166E-03	1.068E-03	7.446E-04	2.154E-05
256	MAX3 MIN	-4.150E-03	-4.384E-03	-2.537E-03	-6.051E-04	-7.572E-04	-2.154E-05

257	MAX3	MAX	7.131E-03	7.395E-03	-1.578E-03	1.300E-03	9.034E-04	3.698E-05
257	MAX3	MIN	-7.131E-03	-7.566E-03	-3.437E-03	-7.623E-04	-9.210E-04	-3.698E-05
258	MAX3	MAX	0.0106	0.0110	-1.936E-03	1.432E-03	1.006E-03	5.533E-05
258	MAX3	MIN	-0.0106	-0.0113	-4.218E-03	-8.850E-04	-1.029E-03	-5.533E-05
259	MAX3	MAX	0.0143	0.0150	-2.239E-03	1.523E-03	1.063E-03	7.562E-05
259	MAX3	MIN	-0.0143	-0.0154	-4.881E-03	-9.550E-04	-1.091E-03	-7.562E-05
260	MAX3	MAX	0.0182	0.0191	-2.490E-03	1.566E-03	1.081E-03	9.701E-05
260	MAX3	MIN	-0.0182	-0.0197	-5.425E-03	-9.855E-04	-1.113E-03	-9.701E-05
261	MAX3	MAX	0.0221	0.0233	-2.686E-03	1.577E-03	1.069E-03	1.188E-04
261	MAX3	MIN	-0.0221	-0.0241	-5.851E-03	-9.782E-04	-1.104E-03	-1.188E-04
262	MAX3	MAX	0.0259	0.0274	-2.830E-03	1.535E-03	1.026E-03	1.403E-04
262	MAX3	MIN	-0.0259	-0.0284	-6.159E-03	-9.556E-04	-1.064E-03	-1.403E-04
263	MAX3	MAX	0.0296	0.0314	-2.920E-03	1.576E-03	1.012E-03	1.612E-04
263	MAX3	MIN	-0.0296	-0.0326	-6.349E-03	-8.729E-04	-1.044E-03	-1.612E-04
264	MAX3	MAX	0.0330	0.0352	-2.957E-03	1.104E-03	7.007E-04	1.807E-04
264	MAX3	MIN	-0.0330	-0.0366	-6.421E-03	-9.039E-04	-7.763E-04	-1.807E-04
298	MAX3	MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
298	MAX3	MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
299	MAX3	MAX	1.819E-03	1.881E-03	5.318E-04	9.678E-04	5.079E-04	9.843E-06
299	MAX3	MIN	-1.819E-03	-1.911E-03	-1.626E-03	-3.331E-04	-7.615E-04	-9.843E-06
300	MAX3	MAX	4.150E-03	4.288E-03	8.116E-04	1.089E-03	7.300E-04	2.154E-05
300	MAX3	MIN	-4.150E-03	-4.384E-03	-2.618E-03	-6.192E-04	-9.055E-04	-2.154E-05
301	MAX3	MAX	7.131E-03	7.395E-03	9.880E-04	1.325E-03	8.963E-04	3.698E-05
301	MAX3	MIN	-7.131E-03	-7.586E-03	-3.410E-03	-7.808E-04	-1.088E-03	-3.698E-05
302	MAX3	MAX	0.0106	0.0110	1.075E-03	1.464E-03	1.009E-03	5.533E-05
302	MAX3	MIN	-0.0106	-0.0113	-4.022E-03	-9.036E-04	-1.200E-03	-5.533E-05
303	MAX3	MAX	0.0143	0.0150	1.087E-03	1.559E-03	1.073E-03	7.562E-05
303	MAX3	MIN	-0.0143	-0.0154	-4.475E-03	-9.741E-04	-1.264E-03	-7.562E-05
304	MAX3	MAX	0.0182	0.0191	1.044E-03	1.606E-03	1.095E-03	9.701E-05
304	MAX3	MIN	-0.0182	-0.0197	-4.791E-03	-1.004E-03	-1.287E-03	-9.701E-05
305	MAX3	MAX	0.0221	0.0233	9.652E-04	1.618E-03	1.084E-03	1.188E-04
305	MAX3	MIN	-0.0221	-0.0241	-4.993E-03	-9.970E-04	-1.275E-03	-1.188E-04
306	MAX3	MAX	0.0259	0.0274	8.720E-04	1.583E-03	1.045E-03	1.403E-04
306	MAX3	MIN	-0.0259	-0.0284	-5.107E-03	-9.733E-04	-1.239E-03	-1.403E-04
307	MAX3	MAX	0.0296	0.0314	7.877E-04	1.601E-03	1.019E-03	1.612E-04
307	MAX3	MIN	-0.0296	-0.0326	-5.158E-03	-8.919E-04	-1.177E-03	-1.612E-04
308	MAX3	MAX	0.0330	0.0352	7.438E-04	1.220E-03	7.458E-04	1.807E-04
308	MAX3	MIN	-0.0330	-0.0366	-5.186E-03	-9.171E-04	-1.107E-03	-1.807E-04
342	MAX3	MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
342	MAX3	MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
343	MAX3	MAX	1.819E-03	1.881E-03	3.057E-04	5.791E-04	6.607E-04	9.843E-06
343	MAX3	MIN	-1.819E-03	-1.911E-03	-1.219E-03	-7.331E-04	-6.706E-04	-9.843E-06
344	MAX3	MAX	4.150E-03	4.288E-03	4.225E-04	8.775E-04	8.572E-04	2.154E-05
344	MAX3	MIN	-4.150E-03	-4.384E-03	-1.956E-03	-9.292E-04	-8.904E-04	-2.154E-05
345	MAX3	MAX	7.131E-03	7.395E-03	4.608E-04	1.087E-03	1.049E-03	3.698E-05
345	MAX3	MIN	-7.131E-03	-7.586E-03	-2.544E-03	-1.133E-03	-1.085E-03	-3.698E-05
346	MAX3	MAX	0.0106	0.0110	4.407E-04	1.239E-03	1.172E-03	5.533E-05
346	MAX3	MIN	-0.0106	-0.0113	-3.003E-03	-1.265E-03	-1.214E-03	-5.533E-05
347	MAX3	MAX	0.0143	0.0150	3.790E-04	1.336E-03	1.243E-03	7.562E-05
347	MAX3	MIN	-0.0143	-0.0154	-3.346E-03	-1.345E-03	-1.289E-03	-7.562E-05
348	MAX3	MAX	0.0182	0.0191	2.908E-04	1.387E-03	1.268E-03	9.701E-05
348	MAX3	MIN	-0.0182	-0.0197	-3.629E-03	-1.379E-03	-1.319E-03	-9.701E-05
349	MAX3	MAX	0.0221	0.0233	1.916E-04	1.400E-03	1.254E-03	1.188E-04
349	MAX3	MIN	-0.0221	-0.0241	-3.842E-03	-1.375E-03	-1.310E-03	-1.188E-04
350	MAX3	MAX	0.0259	0.0274	9.823E-05	1.384E-03	1.216E-03	1.403E-04
350	MAX3	MIN	-0.0259	-0.0284	-3.978E-03	-1.345E-03	-1.278E-03	-1.403E-04
351	MAX3	MAX	0.0296	0.0314	2.980E-05	1.337E-03	1.150E-03	1.612E-04
351	MAX3	MIN	-0.0296	-0.0326	-4.045E-03	-1.275E-03	-1.204E-03	-1.612E-04
352	MAX3	MAX	0.0330	0.0352	1.787E-05	1.284E-03	1.070E-03	1.807E-04
352	MAX3	MIN	-0.0330	-0.0366	-4.064E-03	-1.263E-03	-1.200E-03	-1.807E-04

353	MAX3	MAX	1.819E-03	1.881E-03	-4.405E-05	7.156E-04	4.151E-04	9.843E-06
353	MAX3	MIN	-1.819E-03	-1.911E-03	-1.356E-04	-6.988E-04	-4.104E-04	-9.843E-06
354	MAX3	MAX	1.819E-03	1.881E-03	-4.405E-05	7.156E-04	4.104E-04	9.843E-06
354	MAX3	MIN	-1.819E-03	-1.911E-03	-1.356E-04	-6.988E-04	-4.151E-04	-9.843E-06
355	MAX3	MAX	4.150E-03	4.288E-03	6.137E-06	8.555E-04	6.581E-04	2.154E-05
355	MAX3	MIN	-4.150E-03	-4.384E-03	-1.206E-03	-9.346E-04	-6.413E-04	-2.154E-05
356	MAX3	MAX	4.150E-03	4.288E-03	6.137E-06	8.555E-04	6.413E-04	2.154E-05
356	MAX3	MIN	-4.150E-03	-4.384E-03	-1.206E-03	-9.346E-04	-6.581E-04	-2.154E-05
361	MAX3	MAX	7.131E-03	7.395E-03	4.852E-06	1.112E-03	8.786E-04	3.698E-05
361	MAX3	MIN	-7.131E-03	-7.586E-03	-1.908E-03	-1.160E-03	-8.409E-04	-3.698E-05
362	MAX3	MAX	7.131E-03	7.395E-03	4.852E-06	1.112E-03	8.409E-04	3.698E-05
362	MAX3	MIN	-7.131E-03	-7.586E-03	-1.908E-03	-1.160E-03	-8.786E-04	-3.698E-05
363	MAX3	MAX	0.0106	0.0110	-2.441E-05	1.270E-03	1.030E-03	5.533E-05
363	MAX3	MIN	-0.0106	-0.0113	-2.504E-03	-1.324E-03	-9.813E-04	-5.533E-05
364	MAX3	MAX	0.0106	0.0110	-2.441E-05	1.270E-03	9.813E-04	5.533E-05
364	MAX3	MIN	-0.0106	-0.0113	-2.504E-03	-1.324E-03	-1.030E-03	-5.533E-05
365	MAX3	MAX	0.0143	0.0150	-7.544E-05	1.375E-03	1.131E-03	7.562E-05
365	MAX3	MIN	-0.0143	-0.0154	-3.002E-03	-1.427E-03	-1.074E-03	-7.562E-05
366	MAX3	MAX	0.0143	0.0150	-7.544E-05	1.375E-03	1.074E-03	7.562E-05
366	MAX3	MIN	-0.0143	-0.0154	-3.002E-03	-1.427E-03	-1.131E-03	-7.562E-05
367	MAX3	MAX	0.0182	0.0191	-1.419E-04	1.428E-03	1.191E-03	9.701E-05
367	MAX3	MIN	-0.0182	-0.0197	-3.409E-03	-1.480E-03	-1.127E-03	-9.701E-05
368	MAX3	MAX	0.0182	0.0191	-1.419E-04	1.428E-03	1.127E-03	9.701E-05
368	MAX3	MIN	-0.0182	-0.0197	-3.409E-03	-1.480E-03	-1.191E-03	-9.701E-05
369	MAX3	MAX	0.0221	0.0233	-2.170E-04	1.437E-03	1.219E-03	1.188E-04
369	MAX3	MIN	-0.0221	-0.0241	-3.729E-03	-1.490E-03	-1.148E-03	-1.188E-04
370	MAX3	MAX	0.0221	0.0233	-2.170E-04	1.437E-03	1.148E-03	1.188E-04
370	MAX3	MIN	-0.0221	-0.0241	-3.729E-03	-1.490E-03	-1.219E-03	-1.188E-04
371	MAX3	MAX	0.0259	0.0274	-2.931E-04	1.409E-03	1.224E-03	1.403E-04
371	MAX3	MIN	-0.0259	-0.0284	-3.968E-03	-1.465E-03	-1.148E-03	-1.403E-04
372	MAX3	MAX	0.0259	0.0274	-2.931E-04	1.409E-03	1.148E-03	1.403E-04
372	MAX3	MIN	-0.0259	-0.0284	-3.968E-03	-1.465E-03	-1.224E-03	-1.403E-04
373	MAX3	MAX	0.0296	0.0314	-3.617E-04	1.362E-03	1.225E-03	1.612E-04
373	MAX3	MIN	-0.0296	-0.0326	-4.132E-03	-1.414E-03	-1.134E-03	-1.612E-04
374	MAX3	MAX	0.0296	0.0314	-3.617E-04	1.362E-03	1.134E-03	1.612E-04
374	MAX3	MIN	-0.0296	-0.0326	-4.132E-03	-1.414E-03	-1.225E-03	-1.612E-04
375	MAX3	MAX	0.0330	0.0352	-4.077E-04	1.257E-03	1.219E-03	1.807E-04
375	MAX3	MIN	-0.0330	-0.0366	-4.198E-03	-1.343E-03	-1.150E-03	-1.807E-04
376	MAX3	MAX	0.0330	0.0352	-4.077E-04	1.257E-03	1.150E-03	1.807E-04
376	MAX3	MIN	-0.0330	-0.0366	-4.198E-03	-1.343E-03	-1.219E-03	-1.807E-04

Çelik Sistem Radye Temel Statik Hesabı

Z.em :30 t/m², Temel Kalınlığı : 0,50 mt, BS 25 ST III

RADYE MAT TEMELLERİN SONLU ELEMANLARLA ANALİZİ

ZEMİN YATAK KATSAYISI (t/m²) : 7000.0

ZEMİN EMNİYET GERİMESİ (t/m²) : 30.0

BETONARME HESAP YÖNTEMİ:TAŞIMA GÜCÜ YÖNTEMİ (TS 500, 2000)

BETON ve ÇELİK MALZEME BİLGİLERİ

Beton dayanım gerilmesi (kg/cm²):250

Çelik akma gerilmesi (kg/cm²):4200

BETONARME HESAP YÜK KOMBİNASYON PARAMETRESİ

Ölü yük Cg	Hareketli yük Cq	Zemin Cs	Deprem ±Ce	Rüzgar ±Cw
1.40	1.60	0.00	0.00	0.00
1.40	1.60	1.60	0.00	0.00
1.40	0.00	0.00	0.00	0.00
1.00	1.00	0.00	1.00	0.00
1.00	1.00	1.00	1.00	0.00
0.90	0.00	0.00	1.00	0.00
1.00	1.30	0.00	0.00	1.30
1.00	1.30	1.00	0.00	1.30
0.90	0.00	0.00	0.00	1.30
0.90	0.00	0.90	0.00	1.30

ZEMİN GERİLMESİ YÜK KOMBİNASYONU

Ölü yük Cg	Hareketli yük Cq	Zemin Cs	Deprem ±Ce	Rüzgar ±Cw
1.00	1.00	0.00	0.00	0.00
1.00	1.00	1.00	0.00	0.00
0.67	0.67	0.67	0.67	0.00
0.80	0.00	0.80	0.00	0.80

ANALİZ SONUÇLARI

Nok. no	serbestlik öz ex ey	dx cm	dy cm	X m	Y m	Mxalt (tm)	Mxust (tm)	Myalt (tm)	Myust (tm)	Asax cm ²	Asux cm ²	Asay cm ²	Asuy cm ²
1		50	50	-0.500	-0.500	-7.62	0.00	-7.45	0.00	4.07	2.11	3.90	1.65
2		50	50	0.500	-0.500	-7.01	0.80	0.00	5.94	6.45	4.96	5.87	1.27
3		50	50	-0.500	0.500	0.00	6.80	-6.55	0.00	6.22	1.42	6.59	2.97
4		50	50	1.500	-0.500	0.00	22.87	-3.17	0.19	1.46	13.39	0.66	3.02
5		50	50	0.500	0.500	-16.07	0.00	-17.35	0.00	3.89	5.44	3.99	4.16
6		50	50	-0.500	1.500	-5.92	0.02	0.00	14.27	1.27	4.06	2.76	5.64
7		50	50	2.500	-0.500	0.00	20.88	0.00	1.99	2.13	13.21	1.64	1.62
8		50	50	1.500	0.500	0.00	18.16	0.00	6.34	2.68	13.53	3.42	4.22
9		50	50	0.500	1.500	-0.22	6.71	0.00	12.62	6.70	4.47	5.95	6.72
10		50	50	-0.500	2.500	0.00	5.92	-6.70	0.00	5.53	1.23	6.10	4.11
11		50	50	3.500	-0.500	-10.22	0.00	-4.71	0.00	6.18	6.29	2.40	1.62
12		50	50	2.500	0.500	0.00	18.15	0.00	5.60	0.00	14.03	1.13	3.93
13		50	50	1.500	1.500	0.00	20.00	0.00	13.08	0.04	12.82	0.00	9.65
14		50	50	0.500	2.500	-17.65	0.00	-18.08	0.00	3.65	4.83	4.14	5.65
15		50	50	-0.500	3.500	-2.82	0.00	-4.28	5.39	1.78	1.63	2.28	6.30
16		50	50	4.500	-0.500	-19.20	0.00	0.00	5.80	13.06	3.06	7.01	1.20
17		50	50	3.500	0.500	0.00	9.06	-6.83	0.00	7.28	4.86	6.21	3.23
18		50	50	2.500	1.500	0.00	15.77	0.00	9.58	0.20	11.86	0.00	9.39
19		50	50	1.500	2.500	0.00	14.53	0.00	9.59	2.94	10.58	3.01	7.18
20		50	50	0.500	3.500	-4.00	1.71	0.00	11.46	4.09	3.60	3.73	5.36
21		50	50	-0.500	4.500	-1.75	0.21	0.00	13.14	0.95	2.21	3.78	5.69
22		50	50	5.500	-0.500	0.00	14.70	-3.19	0.00	4.01	7.95	0.66	2.90
23		50	50	4.500	0.500	-31.79	0.00	-25.41	0.00	8.93	3.77	5.41	4.27
24		50	50	3.500	1.500	-1.20	1.82	0.00	13.77	0.51	6.73	1.13	9.05
25		50	50	2.500	2.500	0.00	13.92	0.00	13.46	0.00	11.15	0.00	10.39
26		50	50	1.500	3.500	0.00	13.89	0.00	6.53	0.66	9.33	0.00	8.17
27		50	50	0.500	4.500	0.00	5.95	0.00	8.61	3.76	3.38	4.09	7.07
28		50	50	-0.500	5.500	0.00	4.46	-13.84	0.00	4.63	0.97	10.75	2.74
29		50	50	6.500	-0.500	0.00	14.12	0.00	1.94	2.12	8.40	1.48	1.56
30		50	50	5.500	0.500	0.00	8.30	0.00	6.17	5.33	7.67	4.79	4.21
31		50	50	4.500	1.500	-1.86	4.59	0.00	13.58	5.85	3.87	4.25	3.62
32		50	50	3.500	2.500	0.00	8.77	0.00	16.57	9.20	6.39	0.00	12.55
33		50	50	2.500	3.500	0.00	12.60	0.00	12.02	0.00	10.66	0.00	9.37
34		50	50	1.500	4.500	0.00	12.49	0.00	8.81	0.00	10.32	0.59	5.77
35		50	50	0.500	5.500	-16.78	0.00	-24.46	0.00	3.63	3.77	7.04	1.98
36		50	50	-0.500	6.500	-3.63	0.00	-12.36	0.00	1.82	1.08	5.49	3.62
37		50	50	7.500	-0.500	-10.29	0.00	-3.35	0.00	5.02	4.11	1.82	1.42

38		50	50	6.500	0.500	0.00	10.97	0.00	5.58	0.00	8.10	0.80	3.96
39		50	50	5.500	1.500	0.00	10.91	0.00	13.41	0.31	6.59	0.00	9.84
40		50	50	4.500	2.500	0.00	5.85	0.00	16.08	0.31	5.10	0.00	12.99
41		50	50	3.500	3.500	0.00	7.66	0.00	13.75	0.04	6.58	0.00	10.78
42		50	50	2.500	4.500	0.00	14.72	0.00	9.63	0.04	9.28	0.65	6.16
43		50	50	1.500	5.500	0.00	12.16	-3.54	0.78	2.80	7.80	6.70	1.59
44		50	50	0.500	6.500	-4.97	0.00	0.00	2.49	4.24	2.62	7.54	1.77
45		50	50	-0.500	7.500	-0.15	0.75	0.00	10.09	0.81	1.00	2.57	7.01
46		50	50	8.500	-0.500	-13.75	0.00	0.00	4.88	10.17	2.86	5.19	1.08
47		50	50	7.500	0.500	0.00	5.57	-4.82	0.00	6.40	3.00	4.50	3.08
48		50	50	6.500	1.500	0.00	8.42	0.00	10.03	0.64	6.42	0.00	9.49
49		50	50	5.500	2.500	0.00	6.35	0.00	14.90	0.00	5.95	0.00	12.12
50		50	50	4.500	3.500	0.00	4.90	0.00	14.95	1.39	4.05	0.00	11.20
51		50	50	3.500	4.500	-0.25	5.21	0.00	6.19	9.28	4.62	8.82	6.41
52		50	50	2.500	5.500	0.00	3.92	-3.91	0.00	7.80	8.15	12.61	1.73
53		50	50	1.500	6.500	0.00	11.76	-7.95	0.00	0.82	7.11	4.32	1.44
54		50	50	0.500	7.500	0.00	3.98	0.00	8.18	0.85	2.74	0.00	6.56
55		50	50	-0.500	8.500	-0.15	0.12	0.00	15.06	0.06	1.41	0.00	11.41
56		50	50	9.500	-0.500	0.00	13.73	-2.72	0.30	2.87	7.17	0.56	2.70
57		50	50	8.500	0.500	-24.03	0.00	-18.10	0.00	6.70	2.86	3.83	3.90
58		50	50	7.500	1.500	-3.85	1.43	0.00	12.86	0.98	3.87	0.80	8.54
59		50	50	6.500	2.500	0.00	6.50	0.00	14.21	0.00	5.21	0.00	11.29
60		50	50	5.500	3.500	0.00	5.84	0.00	12.57	0.00	4.93	0.00	9.49
61		50	50	4.500	4.500	-8.35	0.00	0.00	6.55	1.43	3.61	4.30	5.25
62		50	50	3.500	5.500	-46.26	0.00	-52.16	0.00	11.30	3.33	14.13	1.05
63		50	50	2.500	6.500	0.00	11.48	-14.35	0.00	3.33	6.15	4.60	0.81
64		50	50	1.500	7.500	0.00	6.86	0.00	5.42	0.00	5.46	1.32	5.00
65		50	50	0.500	8.500	0.00	4.85	0.00	12.86	0.02	3.44	0.00	10.31
66		50	50	-0.500	9.500	0.00	1.07	0.00	15.66	0.56	1.36	0.00	12.14
67		50	50	10.500	-0.500	0.00	12.31	0.00	1.73	2.28	7.50	1.36	1.54
68		50	50	9.500	0.500	0.00	8.00	0.00	6.06	4.01	6.79	3.47	4.08
69		50	50	8.500	1.500	-2.08	3.60	0.00	12.39	5.02	2.96	3.02	8.88
70		50	50	7.500	2.500	0.00	4.14	0.00	15.28	0.64	3.19	0.00	11.84
71		50	50	6.500	3.500	0.00	5.66	0.00	11.99	0.00	5.38	0.00	10.04
72		50	50	5.500	4.500	0.00	6.68	0.00	1.66	1.39	5.42	1.42	5.14
73		50	50	4.500	5.500	0.00	4.82	-25.69	0.00	11.06	2.32	14.13	1.42
74		50	50	3.500	6.500	-19.98	0.00	-1.30	0.16	13.44	1.91	14.13	1.09
75		50	50	2.500	7.500	0.00	3.44	0.00	4.70	0.31	4.51	2.39	4.71
76		50	50	1.500	8.500	0.00	6.55	0.00	11.56	0.00	5.09	0.00	9.04
77		50	50	0.500	9.500	0.00	5.13	0.00	13.14	0.00	3.96	0.00	10.38
78		50	50	-0.500	10.500	-2.57	0.23	0.00	13.15	0.53	2.41	3.17	7.64
79		50	50	11.500	-0.500	-10.96	0.00	-3.84	0.00	5.31	3.52	1.83	1.32
80		50	50	10.500	0.500	0.00	9.56	0.00	5.40	0.00	7.01	0.82	3.86
81		50	50	9.500	1.500	0.00	9.06	0.00	12.64	0.35	5.57	0.00	9.31
82		50	50	8.500	2.500	0.00	3.65	0.00	14.67	0.35	3.24	0.00	11.93
83		50	50	7.500	3.500	0.00	3.43	0.00	12.52	0.33	3.13	0.00	9.82
84		50	50	6.500	4.500	0.00	10.70	0.00	7.93	0.33	5.58	1.17	4.36
85		50	50	5.500	5.500	0.00	9.13	-8.56	0.00	0.00	6.35	8.21	0.27
86		50	50	4.500	6.500	-10.49	0.00	-16.40	0.00	5.18	2.48	8.57	0.98
87		50	50	3.500	7.500	-1.90	0.00	0.00	6.42	3.73	1.07	0.22	4.83
88		50	50	2.500	8.500	0.00	5.16	0.00	11.58	0.00	3.89	0.00	8.68
89		50	50	1.500	9.500	0.00	6.95	0.00	12.07	0.00	5.71	0.00	9.75
90		50	50	0.500	10.500	0.00	5.68	0.00	7.47	3.30	3.49	4.23	7.21
91		50	50	-0.500	11.500	0.00	4.59	-15.21	0.00	4.94	1.00	11.09	2.74
92		50	50	12.500	-0.500	-14.40	0.00	0.00	4.64	10.65	2.73	4.88	1.03
93		50	50	11.500	0.500	0.00	4.54	-4.96	0.00	6.75	2.46	4.45	3.08
94		50	50	10.500	1.500	0.00	7.23	0.00	9.90	0.72	5.41	0.00	9.32
95		50	50	9.500	2.500	0.00	5.29	0.00	14.05	0.00	4.81	0.00	11.44
96		50	50	8.500	3.500	0.00	2.76	0.00	13.71	1.64	2.47	0.00	10.24
97		50	50	7.500	4.500	-2.00	2.82	0.00	4.48	10.23	2.82	9.24	5.47
98		50	50	6.500	5.500	0.00	7.43	-7.02	0.00	8.18	6.20	14.13	1.32
99		50	50	5.500	6.500	0.00	9.71	-7.36	0.00	1.74	5.67	8.33	0.49
100		50	50	4.500	7.500	-0.45	0.38	0.00	5.73	2.14	1.32	2.73	4.46
101		50	50	3.500	8.500	0.00	2.60	0.00	11.83	0.31	2.12	0.00	9.01
102		50	50	2.500	9.500	0.00	5.52	0.00	11.72	0.00	5.23	0.00	9.65
103		50	50	1.500	10.500	0.00	9.89	0.00	9.09	0.00	7.51	0.64	6.47
104		50	50	0.500	11.500	-17.22	0.00	-25.28	0.00	3.67	3.59	7.47	1.88
105		50	50	-0.500	12.500	-3.81	0.00	-11.72	0.00	1.82	1.28	5.65	3.13
106		50	50	13.500	-0.500	0.00	13.12	-1.64	0.31	3.00	7.13	0.68	2.54
107		50	50	12.500	0.500	-24.83	0.00	-17.83	0.00	6.99	2.54	3.81	4.14
108		50	50	11.500	1.500	-4.34	0.70	0.00	13.05	1.11	3.18	0.82	8.76
109		50	50	10.500	2.500	0.00	5.72	0.00	14.08	0.00	4.49	0.00	11.15
110		50	50	9.500	3.500	0.00	4.98	0.00	11.81	0.00	4.11	0.09	8.86
111		50	50	8.500	4.500	-9.84	0.00	0.00	7.69	1.97	2.75	4.62	4.49
112		50	50	7.500	5.500	-48.48	0.00	-54.63	0.00	12.15	2.45	14.13	0.74
113		50	50	6.500	6.500	0.00	9.65	-17.05	0.00	3.48	4.89	5.60	0.59
114		50	50	5.500	7.500	0.00	5.33	0.00	2.95	0.07	3.65	1.22	3.84
115		50	50	4.500	8.500	0.00	2.27	0.00	11.53	0.07	1.85	0.00	8.88
116		50	50	3.500	9.500	0.00	2.75	0.00	11.95	0.35	2.56	0.00	9.09
117		50	50	2.500	10.500	0.00	10.82	0.00	3.66	0.35	6.31	0.68	6.04
118		50	50	1.500	11.500	0.00	11.23	-3.86	0.24	2.87	7.11	6.86	1.55
119		50	50	0.500	12.500	-4.74	0.00	0.00	3.58	4.31	2.85	7.51	2.15
120		50	50	-0.500	13.500	-0.19	1.57	0.00	11.43	1.63	1.28	3.71	5.57
121		50	50	14.500	-0.500	0.00	13.12	-1.64	0.31	3.01	7.13	0.68	2.53
122		50	50	13.500	0.500	0.00	7.64	0.00	6.93	4.15	6.23	3.25	4.65
123		50	50	12.500	1.500	-2.33	3.07	0.00	13.19	5.28	2.58	2.97	9.36
124		50	50	11.500	2.500	0.00	3.51	0.00	15.72	0.72	2.81	0.00	12.11

125		50	50	10.500	3.500	0.00	5.12	0.00	11.87	0.00	4.99	0.00	9.91
126		50	50	9.500	4.500	0.00	6.46	-0.52	0.97	1.64	5.40	1.69	4.75
127		50	50	8.500	5.500	0.00	4.47	-27.10	0.00	11.69	2.34	14.47	1.28
128		50	50	7.500	6.500	-20.87	0.00	-1.97	0.00	13.99	1.60	14.13	1.01
129		50	50	6.500	7.500	0.00	2.39	0.00	3.59	0.34	3.59	2.84	3.96
130		50	50	5.500	8.500	0.00	4.04	0.00	10.71	0.00	3.28	0.00	7.93
131		50	50	4.500	9.500	0.00	1.83	0.00	12.73	1.72	1.78	0.00	9.31
132		50	50	3.500	10.500	-2.10	2.67	0.00	5.51	10.14	2.71	8.84	5.91
133		50	50	2.500	11.500	0.00	8.64	-4.10	0.00	7.98	7.28	12.63	1.65
134		50	50	1.500	12.500	0.00	12.50	-7.55	0.00	0.79	7.52	4.21	1.66
135		50	50	0.500	13.500	0.00	4.59	0.00	9.37	1.53	2.57	0.00	7.00
136		50	50	-0.500	14.500	-3.85	0.00	-6.07	5.76	1.73	1.78	2.76	5.92
137		50	50	15.500	-0.500	-14.43	0.00	0.00	4.64	10.65	2.73	4.89	1.03
138		50	50	14.500	0.500	0.00	7.66	0.00	6.90	4.15	6.25	3.26	4.63
139		50	50	13.500	1.500	0.00	8.70	0.00	13.61	0.39	5.50	0.00	10.57
140		50	50	12.500	2.500	0.00	3.01	0.00	15.46	0.39	2.68	0.00	12.55
141		50	50	11.500	3.500	0.00	2.73	0.00	12.81	0.45	2.51	0.00	9.92
142		50	50	10.500	4.500	0.00	11.22	0.00	7.92	0.45	5.38	1.47	4.13
143		50	50	9.500	5.500	0.00	9.56	-9.68	0.00	0.00	6.49	9.09	0.16
144		50	50	8.500	6.500	-10.39	0.00	-17.28	0.00	5.24	2.62	9.22	0.95
145		50	50	7.500	7.500	-2.05	0.00	0.00	6.09	3.83	0.94	0.33	4.57
146		50	50	6.500	8.500	0.00	4.16	0.00	11.10	0.00	2.97	0.00	8.09
147		50	50	5.500	9.500	0.00	3.86	0.00	10.71	0.00	3.31	0.07	7.78
148		50	50	4.500	10.500	-10.37	0.00	0.00	8.09	2.07	2.37	4.39	4.62
149		50	50	3.500	11.500	-47.34	0.00	-52.29	0.00	11.64	2.57	14.13	1.02
150		50	50	2.500	12.500	0.00	12.52	-13.80	0.00	3.16	6.84	4.45	1.00
151		50	50	1.500	13.500	0.00	8.36	0.00	6.17	0.00	7.62	1.26	4.72
152		50	50	0.500	14.500	-4.30	0.89	0.00	11.04	4.39	3.04	4.06	5.61
153		50	50	-0.500	15.500	0.00	6.12	-7.18	0.00	5.86	1.28	6.60	4.18
154		50	50	16.500	-0.500	-10.95	0.00	-3.84	0.00	5.32	3.46	1.83	1.32
155		50	50	15.500	0.500	-24.81	0.00	-17.90	0.00	7.00	2.56	3.82	4.10
156		50	50	14.500	1.500	0.00	8.76	0.00	13.55	0.39	5.58	0.00	10.49
157		50	50	13.500	2.500	0.00	4.61	0.00	15.03	0.00	4.20	0.00	12.04
158		50	50	12.500	3.500	0.00	1.87	0.00	14.19	2.19	1.90	0.00	10.42
159		50	50	11.500	4.500	-2.72	1.87	0.00	3.93	12.83	2.64	11.19	5.32
160		50	50	10.500	5.500	0.00	7.42	-8.32	0.00	10.06	6.46	14.13	1.32
161		50	50	9.500	6.500	0.00	10.71	-8.15	0.00	1.73	6.14	9.37	0.52
162		50	50	8.500	7.500	0.00	0.58	0.00	5.75	2.07	1.60	2.88	4.52
163		50	50	7.500	8.500	0.00	2.69	0.00	11.86	0.34	2.12	0.00	8.92
164		50	50	6.500	9.500	0.00	4.51	0.00	10.68	0.00	4.28	0.00	8.78
165		50	50	5.500	10.500	0.00	5.58	-0.40	1.30	1.72	4.75	1.50	4.66
166		50	50	4.500	11.500	0.00	4.15	-25.82	0.00	11.47	2.15	14.13	1.34
167		50	50	3.500	12.500	-18.96	0.00	-1.16	0.63	12.98	2.36	14.13	1.34
168		50	50	2.500	13.500	0.00	6.99	0.00	5.38	0.00	6.88	2.30	5.24
169		50	50	1.500	14.500	0.00	12.75	-0.06	7.27	0.71	7.94	0.01	7.85
170		50	50	0.500	15.500	-18.12	0.00	-18.15	0.00	3.78	4.56	4.24	5.64
171		50	50	-0.500	16.500	-5.98	0.03	0.00	14.23	1.29	4.08	2.87	5.67
172		50	50	17.500	-0.500	0.00	12.13	0.00	1.73	2.28	7.39	1.36	1.52
173		50	50	16.500	0.500	0.00	4.48	-4.97	0.00	6.74	2.42	4.47	3.02
174		50	50	15.500	1.500	-2.33	3.21	0.00	13.00	5.27	2.68	2.98	9.24
175		50	50	14.500	2.500	0.00	4.96	0.00	14.76	0.00	4.37	0.00	12.04
176		50	50	13.500	3.500	0.00	3.83	0.00	11.83	0.00	3.37	0.32	9.00
177		50	50	12.500	4.500	-13.14	0.00	0.00	7.10	2.64	2.15	5.91	4.22
178		50	50	11.500	5.500	-59.37	0.00	-65.85	0.00	14.13	2.15	14.63	0.65
179		50	50	10.500	6.500	0.00	10.23	-20.26	0.00	4.42	5.07	6.58	0.68
180		50	50	9.500	7.500	0.00	6.09	0.00	3.12	0.00	4.02	1.35	4.12
181		50	50	8.500	8.500	0.00	2.95	0.00	12.06	0.00	2.25	0.00	9.23
182		50	50	7.500	9.500	0.00	2.92	0.00	11.68	0.36	2.54	0.00	8.77
183		50	50	6.500	10.500	0.00	10.16	0.00	7.78	0.36	5.05	1.24	4.05
184		50	50	5.500	11.500	0.00	8.78	-8.66	0.00	0.00	6.03	8.28	0.21
185		50	50	4.500	12.500	-9.74	0.00	-16.04	0.00	4.80	2.74	8.47	1.24
186		50	50	3.500	13.500	0.00	1.67	0.00	7.47	3.16	3.02	0.19	5.75
187		50	50	2.500	14.500	0.00	11.36	0.00	12.28	0.00	8.69	0.01	8.94
188		50	50	1.500	15.500	0.00	13.73	0.00	9.81	3.02	10.06	3.04	7.50
189		50	50	0.500	16.500	-0.23	6.53	0.00	12.80	6.79	4.42	5.94	6.81
190		50	50	-0.500	17.500	0.00	6.83	-6.60	0.00	6.23	1.43	6.57	2.97
191		50	50	18.500	-0.500	0.00	13.59	-2.71	0.30	2.96	7.04	0.56	2.66
192		50	50	17.500	0.500	0.00	9.40	0.00	5.27	0.00	6.87	0.82	3.78
193		50	50	16.500	1.500	-4.29	0.64	0.00	12.86	1.10	3.17	0.82	8.60
194		50	50	15.500	2.500	0.00	3.49	0.00	15.21	0.39	2.97	0.00	12.12
195		50	50	14.500	3.500	0.00	4.32	0.00	12.18	0.00	3.06	0.00	9.09
196		50	50	13.500	4.500	0.00	5.58	-1.95	0.00	2.19	3.84	2.39	3.51
197		50	50	12.500	5.500	0.00	3.61	-33.27	0.00	14.13	2.42	17.72	1.18
198		50	50	11.500	6.500	-26.42	0.00	-2.42	0.00	14.13	1.70	14.47	1.20
199		50	50	10.500	7.500	0.00	1.91	0.00	4.09	0.63	3.76	3.38	4.53
200		50	50	9.500	8.500	0.00	4.75	0.00	11.69	0.00	3.79	0.00	8.66
201		50	50	8.500	9.500	0.00	2.53	0.00	13.22	1.66	2.17	0.00	9.58
202		50	50	7.500	10.500	-2.15	2.62	0.00	4.47	10.31	2.61	9.24	5.34
203		50	50	6.500	11.500	0.00	7.26	-7.05	0.00	8.21	6.05	14.13	1.29
204		50	50	5.500	12.500	0.00	10.17	-7.14	0.00	1.62	5.94	8.24	0.62
205		50	50	4.500	13.500	0.00	2.10	0.00	6.81	1.62	2.70	2.67	5.39
206		50	50	3.500	14.500	0.00	7.33	0.00	13.97	0.00	5.80	0.00	11.05
207		50	50	2.500	15.500	0.00	13.03	0.00	13.96	0.00	10.53	0.00	10.75
208		50	50	1.500	16.500	0.00	19.86	0.00	13.48	0.04	12.62	0.00	8.92
209		50	50	0.500	17.500	-16.04	0.00	-17.21	0.00	3.86	5.48	3.98	4.24
210		50	50	-0.500	18.500	-7.67	0.00	-7.47	0.00	4.04	2.16	3.92	1.65
211		50	50	19.500	-0.500	-14.22	0.00	0.00	4.63	10.50	2.83	5.20	1.06

212	50	50	18.500	0.500	0.00	7.74	0.00	5.91	4.07	6.65	3.52	3.99
213	50	50	17.500	1.500	0.00	7.07	0.00	9.73	0.71	5.23	0.00	9.14
214	50	50	16.500	2.500	0.00	3.59	0.00	15.34	0.71	2.64	0.00	11.90
215	50	50	15.500	3.500	0.00	2.57	0.00	12.85	0.58	2.19	0.00	9.93
216	50	50	14.500	4.500	0.00	2.65	0.00	2.11	0.58	3.89	3.94	3.33
217	50	50	13.500	5.500	0.00	10.90	-12.42	0.00	0.00	6.82	13.27	0.00
218	50	50	12.500	6.500	-13.95	0.00	-20.20	0.00	6.96	2.22	10.92	1.26
219	50	50	11.500	7.500	-3.80	0.00	0.00	7.23	5.23	0.67	0.40	5.48
220	50	50	10.500	8.500	0.00	4.29	0.00	12.66	0.00	2.98	0.00	9.19
221	50	50	9.500	9.500	0.00	4.62	0.00	11.71	0.00	3.84	0.04	8.47
222	50	50	8.500	10.500	-9.98	0.00	0.00	7.94	2.02	2.63	4.54	4.53
223	50	50	7.500	11.500	-48.66	0.00	-54.61	0.00	12.22	2.36	14.13	0.74
224	50	50	6.500	12.500	0.00	9.83	-17.01	0.00	3.49	5.07	5.61	0.67
225	50	50	5.500	13.500	0.00	6.60	0.00	3.75	0.00	4.73	1.19	4.59
226	50	50	4.500	14.500	0.00	5.80	0.00	14.11	0.00	4.65	0.00	10.96
227	50	50	3.500	15.500	0.00	8.43	0.00	17.20	0.34	6.06	0.00	13.06
228	50	50	2.500	16.500	0.00	15.53	0.00	10.05	0.34	11.53	0.00	9.81
229	50	50	1.500	17.500	0.00	18.39	0.00	6.62	2.67	13.63	3.40	4.37
230	50	50	0.500	18.500	-6.83	0.94	0.00	5.95	6.41	5.07	5.84	1.27
231	50	50	20.500	-0.500	-10.93	0.00	-3.73	0.00	5.27	3.84	1.90	1.14
232	50	50	19.500	0.500	-24.35	0.00	-18.37	0.00	6.85	2.72	3.97	3.80
233	50	50	18.500	1.500	0.00	8.82	0.00	12.40	0.36	5.34	0.00	9.11
234	50	50	17.500	2.500	0.00	5.31	0.00	13.77	0.00	4.32	0.00	10.88
235	50	50	16.500	3.500	0.00	2.80	0.00	12.72	0.20	2.32	0.00	9.83
236	50	50	15.500	4.500	-3.47	0.00	0.00	5.66	5.17	0.87	0.53	4.40
237	50	50	14.500	5.500	0.00	10.74	-21.65	0.00	4.38	5.41	7.62	0.35
238	50	50	13.500	6.500	0.00	9.73	-8.40	0.00	2.32	5.91	8.26	0.77
239	50	50	12.500	7.500	-1.00	0.00	0.00	7.56	3.13	1.50	3.37	5.62
240	50	50	11.500	8.500	0.00	2.15	0.00	13.78	0.63	1.90	0.00	10.36
241	50	50	10.500	9.500	0.00	4.76	0.00	12.12	0.00	4.56	0.00	9.88
242	50	50	9.500	10.500	0.00	6.35	-0.22	1.45	1.66	5.25	1.58	4.95
243	50	50	8.500	11.500	0.00	4.31	-26.94	0.00	11.79	2.28	14.42	1.32
244	50	50	7.500	12.500	-20.94	0.00	-2.25	0.00	14.05	1.63	14.13	1.02
245	50	50	6.500	13.500	0.00	3.01	0.00	4.02	0.31	4.14	2.83	4.46
246	50	50	5.500	14.500	0.00	6.39	0.00	12.86	0.00	5.17	0.00	10.01
247	50	50	4.500	15.500	0.00	6.16	0.00	16.79	0.37	5.26	0.00	13.38
248	50	50	3.500	16.500	-2.04	1.13	0.00	14.57	0.71	6.40	1.25	9.55
249	50	50	2.500	17.500	0.00	18.24	0.00	5.84	0.00	14.03	1.25	4.10
250	50	50	1.500	18.500	0.00	23.27	-3.17	0.19	1.42	13.62	0.66	3.08
251	50	50	21.500	-0.500	0.00	13.15	-0.04	0.66	2.27	7.85	0.78	1.22
252	50	50	20.500	0.500	0.00	5.24	-5.38	0.00	6.64	2.95	4.60	2.75
253	50	50	19.500	1.500	-2.18	3.35	0.00	12.04	5.15	2.84	3.06	8.60
254	50	50	18.500	2.500	0.00	4.88	0.00	13.79	0.00	4.48	0.00	11.16
255	50	50	17.500	3.500	0.00	4.98	0.00	11.43	0.00	3.95	0.00	8.78
256	50	50	16.500	4.500	-1.19	0.00	0.00	5.69	3.18	1.49	3.46	4.47
257	50	50	15.500	5.500	-26.20	0.00	-3.22	0.00	14.13	1.79	14.77	0.94
258	50	50	14.500	6.500	0.00	7.98	-7.94	0.00	10.05	6.68	14.13	1.58
259	50	50	13.500	7.500	0.00	6.60	0.00	4.65	0.17	5.52	1.40	5.87
260	50	50	12.500	8.500	0.00	2.42	0.00	14.06	0.17	2.00	0.00	10.77
261	50	50	11.500	9.500	0.00	2.57	0.00	13.36	0.45	2.25	0.00	10.01
262	50	50	10.500	10.500	0.00	11.01	0.00	8.48	0.45	5.26	1.31	4.53
263	50	50	9.500	11.500	0.00	9.37	-9.31	0.00	0.00	6.33	8.87	0.24
264	50	50	8.500	12.500	-10.62	0.00	-17.46	0.00	5.29	2.53	9.30	0.91
265	50	50	7.500	13.500	-1.90	0.00	0.00	6.13	3.81	1.14	0.37	4.76
266	50	50	6.500	14.500	0.00	5.30	0.00	12.75	0.00	4.08	0.00	9.73
267	50	50	5.500	15.500	0.00	6.75	0.00	15.62	0.00	6.24	0.00	12.80
268	50	50	4.500	16.500	-2.22	4.26	0.00	14.61	6.66	3.84	4.61	10.30
269	50	50	3.500	17.500	0.00	9.72	-7.55	0.00	8.27	4.70	6.73	3.41
270	50	50	2.500	18.500	0.00	21.15	0.00	2.02	2.42	13.38	1.68	1.67
271	50	50	22.500	-0.500	0.00	13.15	0.00	0.79	2.86	7.91	0.93	1.19
272	50	50	21.500	0.500	0.00	10.93	0.00	4.41	0.00	8.26	0.90	3.07
273	50	50	20.500	1.500	-4.18	1.50	0.00	12.09	1.06	3.75	0.89	8.11
274	50	50	19.500	2.500	0.00	3.36	0.00	14.37	0.36	3.00	0.00	11.65
275	50	50	18.500	3.500	0.00	4.41	0.00	11.35	0.00	3.78	0.05	8.58
276	50	50	17.500	4.500	0.00	6.14	0.00	2.68	0.20	4.37	1.49	3.43
277	50	50	16.500	5.500	-14.42	0.00	-20.72	0.00	7.03	2.04	11.00	0.94
278	50	50	15.500	6.500	-59.28	0.00	-65.25	0.00	14.13	2.18	14.45	0.89
279	50	50	14.500	7.500	0.00	11.26	0.00	9.51	0.46	5.57	1.32	5.45
280	50	50	13.500	8.500	0.00	5.35	0.00	13.25	0.00	4.10	0.00	9.70
281	50	50	12.500	9.500	0.00	2.08	0.00	14.77	2.11	1.96	0.00	10.64
282	50	50	11.500	10.500	-2.71	1.98	0.00	5.03	12.42	2.59	10.74	5.97
283	50	50	10.500	11.500	0.00	7.31	-7.69	0.00	9.74	6.32	14.13	1.41
284	50	50	9.500	12.500	0.00	10.37	-8.32	0.00	1.77	5.95	9.32	0.43
285	50	50	8.500	13.500	0.00	0.52	0.00	5.46	2.08	1.61	2.91	4.46
286	50	50	7.500	14.500	0.00	3.32	0.00	12.81	0.31	2.72	0.00	10.05
287	50	50	6.500	15.500	0.00	6.40	0.00	14.99	0.00	5.62	0.00	12.38
288	50	50	5.500	16.500	0.00	11.42	0.00	14.77	0.37	7.12	0.00	11.29
289	50	50	4.500	17.500	-35.32	0.00	-27.54	0.00	10.01	3.69	5.89	4.65
290	50	50	3.500	18.500	-11.63	0.00	-4.93	0.00	6.98	6.27	2.60	1.65
291	50	50	23.500	-0.500	-13.73	0.00	-4.43	0.00	6.31	4.09	2.48	1.32
292	50	50	22.500	0.500	0.00	11.22	0.00	4.26	0.00	8.53	1.25	3.10
293	50	50	21.500	1.500	0.00	8.42	0.00	9.07	0.69	6.06	0.00	8.15
294	50	50	20.500	2.500	0.00	3.96	0.00	14.86	0.69	3.07	0.00	11.48
295	50	50	19.500	3.500	0.00	2.42	0.00	13.45	1.70	2.22	0.00	10.03
296	50	50	18.500	4.500	0.00	5.94	-0.31	0.76	1.70	4.34	1.63	3.71
297	50	50	17.500	5.500	0.00	9.06	-8.67	0.00	2.40	5.68	8.34	0.44
298	50	50	16.500	6.500	0.00	3.19	-32.15	0.00	14.13	2.06	17.27	1.36

299	50	50	15.500	7.500	-2.77	1.94	0.00	5.38	12.90	2.67	11.09	6.17
300	50	50	14.500	8.500	0.00	5.43	0.00	12.97	0.00	5.14	0.00	10.47
301	50	50	13.500	9.500	0.00	4.71	0.00	12.35	0.00	4.03	0.03	9.08
302	50	50	12.500	10.500	-12.67	0.00	0.00	8.14	2.56	2.29	5.25	4.85
303	50	50	11.500	11.500	-57.50	0.00	-63.25	0.00	14.13	2.13	14.13	0.83
304	50	50	10.500	12.500	0.00	9.92	-20.00	0.00	4.29	4.92	6.51	0.54
305	50	50	9.500	13.500	0.00	5.82	0.00	2.58	0.00	3.89	1.38	3.83
306	50	50	8.500	14.500	0.00	3.33	0.00	12.47	0.00	2.67	0.00	9.75
307	50	50	7.500	15.500	0.00	4.38	0.00	15.15	0.26	3.75	0.00	12.16
308	50	50	6.500	16.500	0.00	10.71	0.00	14.14	0.26	7.22	0.00	10.91
309	50	50	5.500	17.500	0.00	9.14	0.00	7.27	5.93	7.80	4.99	4.89
310	50	50	4.500	18.500	-21.54	0.00	0.00	5.93	14.13	3.27	7.32	1.23
311	50	50	24.500	-0.500	-16.32	0.00	0.00	5.57	12.60	4.63	6.59	1.17
312	50	50	23.500	0.500	0.00	6.41	-7.50	0.00	7.95	3.16	6.19	2.92
313	50	50	22.500	1.500	0.00	8.77	0.00	9.11	0.72	6.16	0.00	8.41
314	50	50	21.500	2.500	0.00	6.45	0.00	13.62	0.00	5.25	0.00	10.85
315	50	50	20.500	3.500	0.00	3.14	0.00	12.55	0.37	2.95	0.00	9.81
316	50	50	19.500	4.500	-10.24	0.00	0.00	7.44	2.07	2.51	4.55	4.43
317	50	50	18.500	5.500	0.00	9.45	-9.52	0.00	0.00	6.41	8.95	0.13
318	50	50	17.500	6.500	0.00	9.20	-10.49	0.00	0.00	6.17	10.04	0.14
319	50	50	16.500	7.500	-13.54	0.00	0.00	8.20	2.72	2.07	5.45	4.89
320	50	50	15.500	8.500	0.00	2.84	0.00	13.68	0.46	2.48	0.00	10.26
321	50	50	14.500	9.500	0.00	5.83	0.00	12.30	0.00	4.34	0.00	9.28
322	50	50	13.500	10.500	0.00	6.17	-0.18	1.03	2.11	4.60	1.78	4.19
323	50	50	12.500	11.500	0.00	3.53	-31.18	0.00	14.13	2.20	16.76	1.35
324	50	50	11.500	12.500	-25.64	0.00	-2.73	0.00	14.13	1.65	14.13	1.00
325	50	50	10.500	13.500	0.00	1.78	0.00	3.28	0.61	3.60	3.34	4.03
326	50	50	9.500	14.500	0.00	4.80	0.00	11.59	0.00	3.91	0.00	8.91
327	50	50	8.500	15.500	0.00	4.05	0.00	15.22	0.61	3.05	0.00	11.89
328	50	50	7.500	16.500	-1.58	4.33	0.00	13.19	4.68	3.43	2.90	9.42
329	50	50	6.500	17.500	0.00	10.02	0.00	7.17	3.80	7.76	3.14	4.88
330	50	50	5.500	18.500	0.00	15.67	-2.27	0.00	4.51	8.65	0.77	2.87
331	50	50	25.500	-0.500	0.00	22.12	-2.03	0.06	3.40	12.93	0.81	2.76
332	50	50	24.500	0.500	-29.06	0.00	-24.91	0.00	7.69	4.86	5.43	4.47
333	50	50	23.500	1.500	-4.35	1.32	0.00	13.26	0.76	4.96	1.25	8.90
334	50	50	22.500	2.500	0.00	6.92	0.00	14.11	0.00	5.87	0.00	11.20
335	50	50	21.500	3.500	0.00	5.55	0.00	12.24	0.00	5.34	0.00	10.13
336	50	50	20.500	4.500	-2.22	2.60	0.00	4.83	10.38	2.65	9.18	5.61
337	50	50	19.500	5.500	0.00	4.10	-26.88	0.00	11.81	2.25	14.31	1.24
338	50	50	18.500	6.500	0.00	9.58	-7.57	0.00	1.73	5.92	7.48	0.52
339	50	50	17.500	7.500	0.00	5.68	-0.34	0.85	2.25	4.34	1.80	4.04
340	50	50	16.500	8.500	0.00	1.65	0.00	14.79	2.25	1.74	0.00	10.59
341	50	50	15.500	9.500	0.00	3.05	0.00	13.68	0.13	2.29	0.00	10.22
342	50	50	14.500	10.500	0.00	6.94	0.00	3.55	0.13	4.80	1.43	3.97
343	50	50	13.500	11.500	0.00	9.67	-10.51	0.00	0.00	6.47	10.03	0.17
344	50	50	12.500	12.500	-13.66	0.00	-20.07	0.00	6.79	2.16	10.67	0.94
345	50	50	11.500	13.500	-3.69	0.00	0.00	6.03	5.09	0.67	4.65	4.65
346	50	50	10.500	14.500	0.00	4.07	0.00	12.21	0.00	2.97	0.00	9.10
347	50	50	9.500	15.500	0.00	5.38	0.00	13.86	0.00	4.44	0.00	10.95
348	50	50	8.500	16.500	-3.66	1.13	0.00	13.15	0.87	3.77	0.82	8.69
349	50	50	7.500	17.500	-22.74	0.00	-17.38	0.00	6.11	3.34	3.73	4.18
350	50	50	6.500	18.500	0.00	16.15	-1.45	0.58	2.50	8.84	0.77	2.58
351	50	50	26.500	-0.500	0.00	22.66	-1.90	0.37	1.35	13.63	0.81	2.85
352	50	50	25.500	0.500	0.00	15.84	0.00	7.25	4.87	12.62	4.51	4.87
353	50	50	24.500	1.500	-0.26	6.80	0.00	13.92	5.65	5.84	4.16	9.71
354	50	50	23.500	2.500	0.00	6.30	0.00	16.35	0.72	4.84	0.00	12.55
355	50	50	22.500	3.500	0.00	6.51	0.00	12.72	0.00	5.28	0.00	9.77
356	50	50	21.500	4.500	0.00	10.19	0.00	8.60	0.37	5.46	1.11	5.08
357	50	50	20.500	5.500	-48.73	0.00	-54.30	0.00	12.25	2.33	14.13	0.80
358	50	50	19.500	6.500	-10.42	0.00	-16.84	0.00	5.26	2.40	8.99	0.98
359	50	50	18.500	7.500	0.00	7.04	0.00	3.17	0.00	4.80	1.31	3.53
360	50	50	17.500	8.500	0.00	4.02	0.00	11.95	0.00	3.51	0.06	8.76
361	50	50	16.500	9.500	0.00	1.97	0.00	13.78	0.54	1.78	0.00	10.65
362	50	50	15.500	10.500	-0.77	0.07	0.00	6.86	2.90	1.67	3.26	5.28
363	50	50	14.500	11.500	0.00	9.67	-8.41	0.00	2.22	6.01	8.33	0.59
364	50	50	13.500	12.500	0.00	9.46	-8.88	0.00	2.27	5.89	8.51	0.41
365	50	50	12.500	13.500	-1.08	0.00	0.00	5.68	3.07	1.53	3.35	4.48
366	50	50	11.500	14.500	0.00	2.26	0.00	12.79	0.61	2.06	0.00	9.89
367	50	50	10.500	15.500	0.00	4.91	0.00	13.95	0.00	4.43	0.00	11.44
368	50	50	9.500	16.500	0.00	7.43	0.00	9.86	0.61	5.49	0.00	9.28
369	50	50	8.500	17.500	0.00	5.65	-4.97	0.00	6.09	2.79	4.37	3.10
370	50	50	7.500	18.500	-12.03	0.00	0.00	4.66	9.44	3.37	4.74	1.09
371	50	50	27.500	-0.500	-6.52	0.89	0.00	5.73	6.34	4.93	5.43	1.27
372	50	50	26.500	0.500	0.00	18.12	0.00	7.54	2.66	12.98	3.09	4.90
373	50	50	25.500	1.500	0.00	17.91	0.00	14.21	0.04	12.48	0.00	10.77
374	50	50	24.500	2.500	0.00	8.76	0.00	15.98	0.04	7.13	0.00	12.63
375	50	50	23.500	3.500	0.00	5.62	0.00	13.90	0.00	4.65	0.00	10.91
376	50	50	22.500	4.500	0.00	6.88	0.00	4.68	0.00	5.79	1.04	5.62
377	50	50	21.500	5.500	0.00	7.22	-6.69	0.00	8.22	6.06	14.13	1.43
378	50	50	20.500	6.500	-20.94	0.00	-1.91	0.00	14.05	1.58	14.13	0.99
379	50	50	19.500	7.500	0.00	0.74	0.00	5.93	2.07	1.90	2.81	4.51
380	50	50	18.500	8.500	0.00	5.65	0.00	11.23	0.00	4.26	0.00	8.42
381	50	50	17.500	9.500	0.00	4.06	0.00	13.04	0.00	2.92	0.00	9.25
382	50	50	16.500	10.500	-3.28	0.00	0.00	7.42	4.89	0.73	0.37	5.42
383	50	50	15.500	11.500	-13.34	0.00	-19.52	0.00	6.61	2.21	10.47	1.14
384	50	50	14.500	12.500	0.00	9.54	-10.91	0.00	0.00	6.37	10.27	0.05
385	50	50	13.500	13.500	0.00	6.45	0.00	2.48	0.18	4.46	1.61	3.32

386	50	50	12.500	14.500	0.00	2.77	0.00	12.60	0.18	2.25	0.00	9.76
387	50	50	11.500	15.500	0.00	3.30	0.00	14.72	0.40	2.83	0.00	11.73
388	50	50	10.500	16.500	0.00	8.85	0.00	12.56	0.40	5.37	0.00	9.24
389	50	50	9.500	17.500	0.00	9.97	0.00	5.45	0.00	7.36	0.82	3.84
390	50	50	8.500	18.500	-9.85	0.00	-3.81	0.00	4.58	3.87	1.83	1.33
391	50	50	28.500	-0.500	-7.69	0.00	-7.39	0.00	3.95	2.14	3.77	1.59
392	50	50	27.500	0.500	-15.97	0.00	-16.64	0.00	3.78	5.44	3.81	4.47
393	50	50	26.500	1.500	0.00	19.42	0.00	14.08	0.03	13.01	0.00	10.07
394	50	50	25.500	2.500	0.00	13.27	0.00	13.99	0.00	11.23	0.00	11.30
395	50	50	24.500	3.500	0.00	7.53	0.00	13.80	0.00	5.98	0.00	10.78
396	50	50	23.500	4.500	0.00	1.86	0.00	7.49	1.63	2.68	2.60	5.66
397	50	50	22.500	5.500	0.00	9.04	-6.26	0.00	1.62	5.52	6.36	0.78
398	50	50	21.500	6.500	0.00	9.53	-17.22	0.00	3.49	4.87	5.89	0.49
399	50	50	20.500	7.500	-2.04	0.00	0.00	5.96	3.84	0.97	0.32	4.41
400	50	50	19.500	8.500	0.00	3.64	0.00	11.88	0.00	2.68	0.00	8.84
401	50	50	18.500	9.500	0.00	5.11	0.00	11.66	0.00	4.80	0.00	9.42
402	50	50	17.500	10.500	0.00	2.35	0.00	4.25	0.54	4.49	3.26	5.49
403	50	50	16.500	11.500	-25.18	0.00	-2.26	0.00	14.13	1.68	14.13	1.23
404	50	50	15.500	12.500	0.00	3.52	-31.51	0.00	14.13	2.17	16.85	1.23
405	50	50	14.500	13.500	0.00	5.73	-0.82	0.29	2.15	4.32	1.95	3.63
406	50	50	13.500	14.500	0.00	5.02	0.00	11.42	0.00	3.94	0.00	8.77
407	50	50	12.500	15.500	0.00	3.47	0.00	15.13	0.73	2.55	0.00	11.70
408	50	50	11.500	16.500	-2.39	3.06	0.00	12.34	5.34	2.63	3.08	8.81
409	50	50	10.500	17.500	0.00	7.81	0.00	5.94	4.19	6.78	3.54	4.05
410	50	50	9.500	18.500	0.00	12.87	0.00	1.73	2.05	7.70	1.36	1.55
411	50	50	28.500	0.500	0.00	6.83	-6.16	0.00	6.21	1.42	6.34	3.09
412	50	50	27.500	1.500	-0.18	6.58	0.00	13.45	6.70	4.35	5.76	7.13
413	50	50	26.500	2.500	0.00	14.19	0.00	10.12	2.97	10.24	2.95	7.57
414	50	50	25.500	3.500	0.00	11.98	0.00	12.17	0.00	9.08	0.00	8.77
415	50	50	24.500	4.500	-0.03	1.72	0.00	7.65	3.16	3.08	0.13	5.79
416	50	50	23.500	5.500	-9.76	0.00	-15.62	0.00	4.80	2.49	8.25	1.30
417	50	50	22.500	6.500	0.00	9.67	-9.30	0.00	0.00	6.25	10.15	0.11
418	50	50	21.500	7.500	0.00	2.57	0.00	2.93	0.34	3.39	3.02	3.40
419	50	50	20.500	8.500	0.00	2.53	0.00	11.55	0.34	1.98	0.00	8.90
420	50	50	19.500	9.500	0.00	3.54	0.00	11.73	0.29	2.96	0.00	8.76
421	50	50	18.500	10.500	0.00	10.30	0.00	8.01	0.29	5.02	1.26	4.71
422	50	50	17.500	11.500	0.00	10.12	-19.55	0.00	4.21	4.99	6.34	0.71
423	50	50	16.500	12.500	-57.36	0.00	-63.72	0.00	14.13	2.26	14.13	0.66
424	50	50	15.500	13.500	-12.90	0.00	0.00	7.41	2.60	2.14	5.42	4.28
425	50	50	14.500	14.500	0.00	4.13	0.00	11.56	0.00	3.55	0.14	8.67
426	50	50	13.500	15.500	0.00	5.23	0.00	13.81	0.00	4.22	0.00	10.90
427	50	50	12.500	16.500	-4.42	0.55	0.00	12.50	1.13	3.04	0.85	8.39
428	50	50	11.500	17.500	-25.06	0.00	-18.44	0.00	7.12	2.52	3.94	3.86
429	50	50	10.500	18.500	0.00	13.70	-2.74	0.30	3.09	7.24	0.57	2.66
430	50	50	28.500	1.500	-5.92	0.03	0.00	14.84	1.26	4.05	2.67	5.94
431	50	50	27.500	2.500	-17.80	0.00	-17.69	0.00	3.67	4.74	4.07	5.82
432	50	50	26.500	3.500	0.00	13.53	0.00	6.72	0.67	9.04	0.00	8.10
433	50	50	25.500	4.500	0.00	7.37	0.00	5.20	0.00	7.66	2.31	5.52
434	50	50	24.500	5.500	-18.93	0.00	-0.77	0.36	12.96	2.33	14.13	1.33
435	50	50	23.500	6.500	0.00	4.07	-26.22	0.00	11.44	2.29	14.13	1.24
436	50	50	22.500	7.500	0.00	4.89	-0.89	0.64	1.71	3.31	1.69	3.59
437	50	50	21.500	8.500	0.00	3.34	0.00	10.93	0.00	2.44	0.00	7.73
438	50	50	20.500	9.500	0.00	2.40	0.00	12.41	1.68	1.99	0.00	8.96
439	50	50	19.500	10.500	-1.74	3.10	0.00	4.19	10.18	2.82	9.30	5.23
440	50	50	18.500	11.500	0.00	9.09	-7.60	0.00	8.14	6.67	14.13	1.33
441	50	50	17.500	12.500	0.00	8.24	-8.35	0.00	9.71	6.50	14.55	1.34
442	50	50	16.500	13.500	-2.71	1.81	0.00	3.96	12.44	2.39	10.82	5.38
443	50	50	15.500	14.500	0.00	1.78	0.00	13.93	2.15	1.85	0.00	10.23
444	50	50	14.500	15.500	0.00	4.64	0.00	14.09	0.00	4.27	0.00	11.31
445	50	50	13.500	16.500	0.00	6.92	0.00	9.71	0.73	5.11	0.00	9.03
446	50	50	12.500	17.500	0.00	4.25	-5.13	0.00	6.85	2.33	4.59	2.93
447	50	50	11.500	18.500	-14.83	0.00	0.00	4.83	10.85	2.85	5.24	1.06
448	50	50	28.500	2.500	0.00	5.93	-6.66	0.00	5.56	1.24	6.08	4.22
449	50	50	27.500	3.500	-4.02	1.62	0.00	11.12	4.12	3.52	3.73	5.17
450	50	50	26.500	4.500	0.00	12.12	0.00	7.90	0.00	8.81	0.74	4.68
451	50	50	25.500	5.500	0.00	12.27	-13.89	0.00	3.16	7.07	3.95	1.01
452	50	50	24.500	6.500	-47.23	0.00	-52.60	0.00	11.56	2.67	14.13	0.89
453	50	50	23.500	7.500	-10.29	0.00	0.00	7.50	2.01	2.21	4.54	4.28
454	50	50	22.500	8.500	0.00	2.73	0.00	10.44	0.00	2.58	0.15	7.51
455	50	50	21.500	9.500	0.00	3.48	0.00	10.09	0.00	2.99	0.13	7.41
456	50	50	20.500	10.500	-10.08	0.00	0.00	7.25	1.97	2.54	4.63	4.06
457	50	50	19.500	11.500	-48.24	0.00	-54.99	0.00	12.03	2.70	14.13	0.69
458	50	50	18.500	12.500	0.00	10.15	-17.62	0.00	3.45	5.11	5.99	0.59
459	50	50	17.500	13.500	0.00	10.16	0.00	8.06	0.45	4.63	1.39	4.61
460	50	50	16.500	14.500	0.00	2.38	0.00	12.67	0.45	2.26	0.00	9.77
461	50	50	15.500	15.500	0.00	2.87	0.00	14.74	0.40	2.54	0.00	11.94
462	50	50	14.500	16.500	0.00	8.66	0.00	12.30	0.40	5.09	0.00	9.17
463	50	50	13.500	17.500	0.00	9.17	0.00	5.09	0.00	6.64	0.85	3.74
464	50	50	12.500	18.500	-11.23	0.00	-3.83	0.00	5.46	3.36	1.86	1.36
465	50	50	28.500	3.500	-2.82	0.00	-4.62	5.37	1.79	1.61	2.35	6.15
466	50	50	27.500	4.500	0.00	5.95	0.00	7.63	3.78	3.32	4.18	6.63
467	50	50	26.500	5.500	0.00	13.15	-4.46	0.54	2.81	8.23	8.49	1.40
468	50	50	25.500	6.500	0.00	9.23	-4.55	0.00	7.97	7.35	13.31	1.56
469	50	50	24.500	7.500	-1.80	2.72	0.00	5.02	10.05	2.78	8.89	5.66
470	50	50	23.500	8.500	0.00	1.59	0.00	12.44	1.71	1.50	0.00	9.24
471	50	50	22.500	9.500	0.00	2.96	0.00	10.23	0.00	2.73	0.11	7.37
472	50	50	21.500	10.500	0.00	5.75	-0.78	0.42	1.68	3.93	1.76	3.05

473	50	50	20.500	11.500	0.00	4.02	-26.91	0.00	11.78	2.12	14.31	1.20
474	50	50	19.500	12.500	-20.65	0.00	-2.09	0.00	13.99	1.69	14.13	1.08
475	50	50	18.500	13.500	0.00	3.04	0.00	3.57	0.33	4.67	2.94	5.11
476	50	50	17.500	14.500	0.00	4.44	0.00	11.99	0.00	4.49	0.00	9.94
477	50	50	16.500	15.500	0.00	3.19	0.00	15.15	0.78	2.39	0.00	11.59
478	50	50	15.500	16.500	-2.44	2.80	0.00	12.24	5.46	2.49	3.10	8.66
479	50	50	14.500	17.500	0.00	7.34	0.00	5.87	4.25	6.46	3.55	3.93
480	50	50	13.500	18.500	0.00	11.84	0.00	1.71	2.34	7.21	1.35	1.46
481	50	50	28.500	4.500	-1.75	0.19	0.00	12.80	0.95	2.20	3.91	5.41
482	50	50	27.500	5.500	-16.85	0.00	-25.03	0.00	3.65	3.94	7.35	1.79
483	50	50	26.500	6.500	0.00	11.22	-6.92	0.00	0.83	6.91	2.65	1.60
484	50	50	25.500	7.500	0.00	10.94	0.00	9.39	0.30	6.14	0.75	5.43
485	50	50	24.500	8.500	0.00	3.04	0.00	11.81	0.30	2.76	0.00	8.91
486	50	50	23.500	9.500	0.00	1.67	0.00	12.45	1.74	1.53	0.00	9.24
487	50	50	22.500	10.500	0.00	5.53	-0.68	0.54	1.74	3.83	1.71	3.13
488	50	50	21.500	11.500	0.00	8.74	-9.11	0.00	0.00	6.05	8.80	0.07
489	50	50	20.500	12.500	-10.91	0.00	-16.57	0.00	5.38	2.24	8.79	1.07
490	50	50	19.500	13.500	-2.01	0.00	0.00	6.52	3.87	1.08	0.35	4.90
491	50	50	18.500	14.500	0.00	4.58	0.00	12.35	0.00	3.39	0.00	9.15
492	50	50	17.500	15.500	0.00	5.29	0.00	13.58	0.00	4.22	0.00	10.72
493	50	50	16.500	16.500	-4.72	0.61	0.00	11.98	1.19	2.94	0.91	8.16
494	50	50	15.500	17.500	-25.40	0.00	-18.62	0.00	7.27	2.36	4.03	3.82
495	50	50	14.500	18.500	0.00	13.27	-2.67	0.24	3.19	6.82	0.55	2.62
496	50	50	28.500	5.500	0.00	4.45	-14.12	0.00	4.65	0.96	10.88	2.66
497	50	50	27.500	6.500	-5.01	0.00	0.00	2.58	4.26	2.53	7.42	1.95
498	50	50	26.500	7.500	0.00	7.45	0.00	6.48	0.00	6.88	1.15	6.21
499	50	50	25.500	8.500	0.00	6.20	0.00	11.51	0.00	5.67	0.00	9.53
500	50	50	24.500	9.500	0.00	3.01	0.00	11.92	0.32	2.78	0.00	8.98
501	50	50	23.500	10.500	-10.44	0.00	0.00	7.60	2.06	2.31	4.44	4.34
502	50	50	22.500	11.500	0.00	8.70	-8.83	0.00	0.00	6.04	8.54	0.09
503	50	50	21.500	12.500	0.00	8.84	-6.44	0.00	1.81	5.50	6.42	0.74
504	50	50	20.500	13.500	-0.51	0.57	0.00	6.42	2.23	1.70	2.76	5.06
505	50	50	19.500	14.500	0.00	2.91	0.00	12.74	0.33	2.47	0.00	10.04
506	50	50	18.500	15.500	0.00	5.34	0.00	13.43	0.00	4.41	0.00	10.72
507	50	50	17.500	16.500	0.00	7.00	0.00	9.02	0.78	4.94	0.00	8.06
508	50	50	16.500	17.500	0.00	4.02	-5.50	0.00	7.06	2.32	4.66	2.70
509	50	50	15.500	18.500	-15.30	0.00	0.00	4.78	11.16	2.76	5.24	1.04
510	50	50	28.500	6.500	-3.62	0.00	-12.12	0.00	1.82	1.08	5.50	2.73
511	50	50	27.500	7.500	0.00	3.97	0.00	9.12	0.85	2.85	0.00	7.07
512	50	50	26.500	8.500	0.00	7.35	0.00	12.00	0.00	5.61	0.00	9.35
513	50	50	25.500	9.500	0.00	6.27	0.00	11.61	0.00	5.71	0.00	9.56
514	50	50	24.500	10.500	-1.95	2.72	0.00	5.35	10.13	2.80	8.85	5.76
515	50	50	23.500	11.500	0.00	3.95	-25.84	0.00	11.53	2.10	14.13	1.26
516	50	50	22.500	12.500	0.00	9.05	-6.12	0.00	1.66	5.57	6.19	0.80
517	50	50	21.500	13.500	0.00	6.17	0.00	4.47	0.08	4.71	1.07	4.69
518	50	50	20.500	14.500	0.00	3.50	0.00	12.81	0.08	2.88	0.00	9.96
519	50	50	19.500	15.500	0.00	3.87	0.00	14.82	0.65	2.92	0.00	11.49
520	50	50	18.500	16.500	0.00	7.28	0.00	8.99	0.65	5.08	0.00	6.07
521	50	50	17.500	17.500	0.00	9.32	0.00	4.23	0.00	6.95	0.92	3.04
522	50	50	16.500	18.500	-11.84	0.00	-3.70	0.00	5.69	3.20	1.92	1.13
523	50	50	28.500	7.500	-0.12	0.75	0.00	10.51	0.81	1.00	2.52	7.58
524	50	50	27.500	8.500	0.00	4.94	0.00	13.32	0.02	3.61	0.00	10.70
525	50	50	26.500	9.500	0.00	7.48	0.00	11.38	0.00	6.11	0.00	9.76
526	50	50	25.500	10.500	0.00	11.07	0.00	9.46	0.32	6.51	0.69	5.93
527	50	50	24.500	11.500	-47.37	0.00	-52.36	0.00	11.65	2.56	14.13	0.99
528	50	50	23.500	12.500	-10.00	0.00	-15.46	0.00	4.88	2.46	8.18	1.34
529	50	50	22.500	13.500	0.00	6.65	0.00	4.85	0.00	5.02	1.02	4.96
530	50	50	21.500	14.500	0.00	5.90	0.00	12.27	0.00	4.74	0.00	9.58
531	50	50	20.500	15.500	0.00	4.37	0.00	14.53	0.28	3.72	0.00	11.65
532	50	50	19.500	16.500	-3.91	1.05	0.00	12.05	0.93	3.58	0.91	8.10
533	50	50	18.500	17.500	0.00	9.66	0.00	4.33	0.00	7.26	0.92	3.04
534	50	50	17.500	18.500	0.00	11.32	-0.03	0.67	2.46	6.81	0.79	1.16
535	50	50	28.500	8.500	-0.15	0.11	0.00	15.41	0.06	1.43	0.00	11.69
536	50	50	27.500	9.500	0.00	5.27	0.00	13.16	0.00	4.10	0.00	10.43
537	50	50	26.500	10.500	0.00	9.28	0.00	8.88	0.00	7.68	0.67	6.35
538	50	50	25.500	11.500	0.00	8.70	-4.17	0.00	7.99	7.33	12.70	1.60
539	50	50	24.500	12.500	-19.14	0.00	-1.04	0.62	13.08	2.34	14.13	1.37
540	50	50	23.500	13.500	0.00	1.76	0.00	7.42	1.68	2.58	2.58	5.72
541	50	50	22.500	14.500	0.00	6.32	0.00	12.85	0.00	5.23	0.00	10.01
542	50	50	21.500	15.500	0.00	6.42	0.00	14.16	0.00	5.73	0.00	11.66
543	50	50	20.500	16.500	-1.69	4.11	0.00	12.17	4.84	3.35	3.04	8.70
544	50	50	19.500	17.500	0.00	5.11	-5.48	0.00	6.37	2.64	4.58	2.73
545	50	50	18.500	18.500	0.00	11.73	-0.06	0.69	3.23	6.88	0.78	1.18
546	50	50	28.500	9.500	0.00	1.07	0.00	15.72	0.56	1.38	0.00	12.20
547	50	50	27.500	10.500	0.00	5.76	0.00	7.23	3.30	3.55	4.26	7.13
548	50	50	26.500	11.500	0.00	11.30	-4.05	0.16	2.87	7.14	6.96	1.50
549	50	50	25.500	12.500	0.00	12.47	-13.86	0.00	3.19	6.82	4.47	1.00
550	50	50	24.500	13.500	-0.11	1.59	0.00	7.63	3.21	2.93	0.17	5.91
551	50	50	23.500	14.500	0.00	5.48	0.00	14.20	0.20	4.50	0.00	11.19
552	50	50	22.500	15.500	0.00	6.57	0.00	14.83	0.00	5.73	0.00	11.75
553	50	50	21.500	16.500	0.00	10.57	0.00	12.73	0.28	6.68	0.00	9.31
554	50	50	20.500	17.500	-23.23	0.00	-18.24	0.00	6.41	3.17	3.96	3.85
555	50	50	19.500	18.500	-10.70	0.00	-1.68	0.00	4.99	3.51	1.92	1.15
556	50	50	28.500	10.500	-2.57	0.22	0.00	12.93	0.53	2.42	3.22	7.58
557	50	50	27.500	11.500	-17.10	0.00	-25.10	0.00	1.66	3.61	7.58	1.82
558	50	50	26.500	12.500	0.00	12.47	-7.66	0.00	10.73	7.51	4.28	1.62
559	50	50	25.500	13.500	0.00	6.31	0.00	5.38	0.00	6.87	2.31	5.28

560		50	50	24.500	14.500	0.00	7.33	0.00	14.14	0.02	5.77	0.00	11.06
561		50	50	23.500	15.500	0.00	6.02	0.00	17.22	0.83	4.56	0.00	13.20
562		50	50	22.500	16.500	0.00	8.87	0.00	9.97	0.83	6.43	0.00	9.66
563		50	50	21.500	17.500	0.00	9.78	0.00	6.00	3.89	7.99	3.51	4.05
564		50	50	20.500	18.500	-13.14	0.00	0.00	4.85	9.98	3.24	5.17	1.08
565		50	50	28.500	11.500	0.00	4.59	-15.42	0.00	4.93	1.00	11.22	2.71
566		50	50	27.500	12.500	-4.75	0.00	0.00	3.47	4.31	2.84	7.59	2.12
567		50	50	26.500	13.500	0.00	8.34	0.00	6.11	0.00	7.57	1.28	4.73
568		50	50	25.500	14.500	0.00	11.55	0.00	12.41	0.00	8.69	0.01	9.12
569		50	50	24.500	15.500	0.00	8.41	0.00	16.71	0.12	6.88	0.00	13.21
570		50	50	23.500	16.500	-4.98	0.49	0.00	14.30	0.94	4.64	1.34	9.52
571		50	50	22.500	17.500	0.00	11.48	0.00	5.15	0.00	8.52	1.34	3.84
572		50	50	21.500	18.500	0.00	15.54	-2.78	0.36	2.74	8.33	0.58	2.73
573		50	50	28.500	12.500	-3.81	0.00	-11.87	0.00	1.82	1.28	5.72	3.09
574		50	50	27.500	13.500	0.00	4.55	0.00	9.30	1.53	2.54	0.00	6.97
575		50	50	26.500	14.500	0.00	12.69	-0.07	7.49	0.71	7.96	0.01	8.02
576		50	50	25.500	15.500	0.00	12.93	0.00	14.53	0.00	10.99	0.00	11.71
577		50	50	24.500	16.500	-0.71	6.20	0.00	14.77	6.47	5.55	4.56	10.28
578		50	50	23.500	17.500	0.00	6.14	-8.05	0.00	8.89	3.02	6.76	3.25
579		50	50	22.500	18.500	0.00	14.17	0.00	1.89	3.08	8.70	1.59	1.54
580		50	50	28.500	13.500	-0.19	1.56	0.00	11.34	1.63	1.27	3.75	5.57
581		50	50	27.500	14.500	-4.28	0.82	0.00	11.19	4.40	3.01	3.98	5.69
582		50	50	26.500	15.500	0.00	13.82	0.00	10.37	3.03	9.96	2.95	7.90
583		50	50	25.500	16.500	0.00	18.00	0.00	14.83	0.12	12.31	0.00	11.24
584		50	50	24.500	17.500	-32.82	0.00	-27.25	0.00	8.87	4.71	5.93	4.73
585		50	50	23.500	18.500	-14.78	0.00	-4.89	0.00	7.09	4.24	2.69	1.63
586		50	50	28.500	14.500	-3.85	0.00	-6.10	5.94	1.73	1.77	2.75	5.98
587		50	50	27.500	15.500	-18.17	0.00	-17.64	0.00	3.77	4.55	4.14	5.91
588		50	50	26.500	16.500	0.00	19.35	0.00	14.46	0.02	12.97	0.00	10.36
589		50	50	25.500	17.500	0.00	15.78	0.00	7.57	5.50	12.75	4.93	5.06
590		50	50	24.500	18.500	-18.93	0.00	0.00	5.94	14.13	4.71	7.22	1.23
591		50	50	28.500	15.500	0.00	6.12	-7.12	0.00	5.87	1.28	6.48	4.35
592		50	50	27.500	16.500	-0.11	6.43	0.00	13.63	6.75	4.32	5.73	7.23
593		50	50	26.500	17.500	0.00	18.43	0.00	7.82	2.64	13.09	3.06	5.07
594		50	50	25.500	18.500	0.00	22.53	-2.18	0.00	3.95	13.11	0.83	2.90
595		50	50	28.500	16.500	-5.98	0.04	0.00	14.84	1.26	4.07	2.77	5.97
596		50	50	27.500	17.500	-15.87	0.00	-16.49	0.00	3.72	5.51	3.79	4.55
597		50	50	26.500	18.500	0.00	23.13	-1.84	0.43	1.30	13.94	0.83	2.91
598		50	50	28.500	17.500	0.00	6.87	-6.18	0.00	6.21	1.43	6.32	3.09
599		50	50	27.500	18.500	-6.29	1.10	0.00	5.73	6.28	5.07	5.39	1.28
600		50	50	28.500	18.500	-7.74	0.00	-7.41	0.00	3.91	2.21	3.78	1.59

ZEMİN GERİLMESİ t/m²

Nok. no	1 g	2 q	3 q	4 q	5 q	6 q	7 q	8 z	9 e	10 e	11 e	12 e	13 w	14 w	15 w	16 w	max. σ
1	26.54	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.943	4.000	-2.94	-4.58	0.084	0.062	-0.09	-0.14	26.54
2	21.95	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.904	1.697	-2.99	-4.23	0.036	0.019	-0.09	-0.13	21.95
3	24.06	0.000	0.000	0.000	0.000	0.000	0.000	0.00	3.412	4.165	-1.38	-2.55	0.087	0.071	-0.04	-0.08	24.06
4	17.24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.38	0.121	-2.52	-3.30	0.003	-0.00	-0.08	-0.10	17.24
5	19.68	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.253	1.744	-1.47	-2.23	0.037	0.026	-0.04	-0.07	19.68
6	21.13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	3.413	3.869	-0.21	-0.92	0.081	0.071	-0.00	-0.03	21.13
7	15.02	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.61	-0.26	-2.08	-2.63	-0.00	-0.01	-0.06	-0.08	15.02
8	14.72	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.19	0.077	-1.33	-1.75	0.002	-0.00	-0.04	-0.05	14.72
9	16.53	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.379	1.632	-0.38	-0.77	0.034	0.029	-0.01	-0.02	16.53
10	19.10	0.000	0.000	0.000	0.000	0.000	0.000	0.00	3.346	3.591	0.509	0.129	0.075	0.070	0.016	0.004	19.10
11	15.41	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.45	-0.15	-1.98	-2.46	-0.00	-0.00	-0.06	-0.08	15.41
12	12.30	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.45	-0.28	-1.07	-1.34	-0.00	-0.00	-0.03	-0.04	12.30
13	12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.03	0.064	-0.41	-0.56	0.001	-0.00	-0.01	-0.01	12.21
14	15.21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.375	1.464	0.272	0.135	0.031	0.029	0.009	0.004	15.21
15	16.70	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.916	3.014	0.769	0.616	0.063	0.061	0.025	0.020	16.70
16	15.32	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.55	-0.28	-2.08	-2.50	-0.00	-0.01	-0.06	-0.08	15.32
17	12.30	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.28	-0.14	-0.89	-1.11	-0.00	-0.00	-0.02	-0.03	12.30
18	9.518	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.42	-0.39	-0.31	-0.35	-0.00	-0.00	-0.01	-0.01	9.518
19	10.47	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.02	-0.05	0.103	0.137	-0.00	-0.00	0.003	0.004	10.47
20	13.23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.300	1.289	0.584	0.600	0.027	0.027	0.019	0.019	13.23
21	14.75	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.654	2.707	0.656	0.573	0.056	0.055	0.021	0.019	14.75
22	13.21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.58	-0.39	-1.79	-2.09	-0.00	-0.01	-0.05	-0.06	13.21
23	12.02	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.44	-0.35	-0.82	-0.96	-0.00	-0.00	-0.02	-0.03	12.02
24	8.512	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.36	-0.36	-0.12	-0.12	-0.00	-0.00	-0.00	-0.00	8.512
25	7.543	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.42	-0.46	0.054	0.131	-0.01	-0.00	0.002	0.004	7.543
26	9.464	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.120	0.062	0.296	0.386	0.001	0.002	0.010	0.013	9.464
27	11.70	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.195	1.197	0.392	0.389	0.025	0.025	0.013	0.013	11.70
28	13.67	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.549	2.532	0.790	0.817	0.053	0.053	0.026	0.026	13.67
29	12.13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.20	-0.03	-1.60	-1.87	-0.00	-0.00	-0.05	-0.06	12.13
30	9.700	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.54	-0.50	-0.75	-0.82	-0.01	-0.01	-0.02	-0.02	9.700
31	7.625	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.37	-0.41	0.051	0.117	-0.00	-0.00	0.002	0.004	7.625
32	6.093	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.44	-0.50	0.107	0.197	-0.01	-0.00	0.003	0.006	6.093
33	6.927	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.35	-0.41	0.107	0.202	-0.00	-0.00	0.003	0.007	6.927
34	9.011	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.179	0.128	0.275	0.355	0.003	0.004	0.009	0.012	9.011
35	11.57	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.115	1.053	0.601	0.698	0.022	0.023	0.019	0.023	11.57
36	11.07	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.953	1.868	0.898	1.045	0.039	0.041	0.029	0.034	11.07
37	12.71	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.114	0.305	-1.74	-2.04	0.006	0.002	-0.05	-0.06	12.71
38	9.020	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.15	-0.08	-0.67	-0.77	-0.00	-0.00	-0.02	-0.02	9.020
39	6.581	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.35	-0.39	-0.01	0.045	-0.00	-0.00	-0.00	0.001	

40	5.299	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.36	-0.42	0.171	0.269	-0.00	-0.00	0.006	0.009	5.299
41	5.769	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.45	-0.50	0.041	0.123	-0.01	-0.00	0.001	0.004	5.769
42	7.504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.21	-0.26	-0.102	0.182	-0.00	-0.00	0.003	0.006	7.504
43	8.995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.129	0.044	0.434	0.566	0.001	0.003	0.014	0.018	8.995
44	9.685	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.938	0.814	0.801	0.994	0.017	0.019	0.026	0.032	9.685
45	7.632	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.396	1.320	0.574	0.692	0.027	0.029	0.019	0.022	7.632
46	12.84	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.04	0.121	-2.02	-2.28	0.003	-0.00	-0.06	-0.07	12.84
47	9.713	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.197	0.291	-0.67	-0.82	0.006	0.004	-0.02	-0.02	9.713
48	6.192	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.11	-0.12	-0.04	-0.02	-0.00	-0.00	-0.00	-0.00	6.192
49	4.769	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.24	-0.30	0.173	0.257	-0.00	-0.00	0.006	0.008	4.769
50	5.244	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.38	-0.43	0.067	0.142	-0.00	-0.00	0.002	0.005	5.244
51	7.277	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.42	-0.45	-0.08	-0.03	-0.01	-0.00	-0.00	-0.00	7.277
52	8.447	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.03	-0.10	0.311	0.422	-0.00	-0.00	0.010	0.014	8.447
53	8.209	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.202	0.092	0.578	0.748	0.002	0.004	0.019	0.024	8.209
54	6.889	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.702	0.623	0.484	0.607	0.013	0.015	0.016	0.020	6.889
55	5.498	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.141	1.132	0.057	0.070	0.024	0.024	0.002	0.002	5.498
56	11.54	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.20	-0.09	-1.84	-2.01	-0.00	-0.00	-0.06	-0.06	11.54
57	9.922	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.00	0.052	-0.73	-0.83	0.001	0.000	-0.02	-0.02	9.922
58	6.444	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.089	0.095	0.040	0.030	0.002	0.002	0.001	0.001	6.444
59	4.569	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.09	-0.12	0.157	0.210	-0.00	-0.00	0.005	0.007	4.569
60	4.854	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.21	-0.25	0.093	0.154	-0.00	-0.00	0.003	0.005	4.854
61	7.205	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.45	-0.48	-0.00	0.051	-0.01	-0.00	0.000	0.002	7.205
62	10.34	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.35	-0.41	0.219	0.321	-0.00	-0.00	0.007	0.010	10.34
63	8.329	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.07	-0.16	0.488	0.636	-0.00	-0.00	0.016	0.021	8.329
64	6.341	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.175	0.101	0.394	0.509	0.002	0.004	0.013	0.016	6.341
65	5.140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.572	0.563	0.046	0.059	0.012	0.012	0.001	0.002	5.140
66	5.623	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.260	1.314	-0.42	-0.51	0.027	0.026	-0.01	-0.01	5.623
67	11.29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.078	0.180	-1.72	-1.88	0.004	0.002	-0.05	-0.06	11.29
68	8.532	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.22	-0.20	-0.74	-0.78	-0.00	-0.00	-0.02	-0.02	8.532
69	6.347	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.004	0.142	0.164	0.000	0.000	0.005	0.005	6.347
70	4.648	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	-0.01	0.192	0.226	0.000	0.000	0.006	0.007	4.648
71	4.746	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.06	-0.09	0.063	0.099	-0.00	-0.00	0.002	0.003	4.746
72	6.470	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.20	-0.22	0.049	0.092	-0.00	-0.00	0.002	0.003	6.470
73	9.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.51	-0.57	0.168	0.259	-0.01	-0.01	0.005	0.008	9.683
74	9.679	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.27	-0.36	0.506	0.658	-0.00	-0.00	0.016	0.021	9.679
75	6.494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.11	-0.17	0.339	0.441	-0.00	-0.00	0.011	0.014	6.494
76	4.849	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.122	0.114	0.033	0.045	0.002	0.003	0.001	0.001	4.849
77	5.124	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.600	0.658	-0.36	-0.45	0.014	0.013	-0.01	-0.01	5.124
78	8.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.712	1.776	-0.66	-0.76	0.037	0.036	-0.02	-0.02	8.017
79	12.47	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.362	0.476	-1.95	-2.12	0.010	0.008	-0.06	-0.06	12.47
80	8.506	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.120	-0.71	-0.79	0.003	0.002	-0.02	-0.02	8.506
81	5.951	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.07	-0.09	0.022	0.048	-0.00	-0.00	0.001	0.002	5.951
82	4.686	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	-0.01	0.228	0.264	0.000	0.000	0.007	0.009	4.686
83	4.964	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	-0.03	0.045	0.066	-0.00	-0.00	0.001	0.002	4.964
84	6.401	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.013	-0.01	-0.00	0.000	0.000	-0.00	0.000	6.401
85	8.104	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.17	-0.20	0.157	0.211	-0.00	-0.00	0.005	0.007	8.104
86	9.210	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.34	-0.41	0.348	0.457	-0.00	-0.00	0.011	0.015	9.210
87	6.974	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.23	-0.29	0.306	0.396	-0.00	-0.00	0.010	0.013	6.974
88	4.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.13	-0.14	0.022	0.032	-0.00	-0.00	0.001	0.001	4.948
89	4.734	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.108	0.162	-0.30	-0.39	0.003	0.002	-0.01	-0.01	4.734
90	6.878	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.748	0.841	-0.61	-0.76	0.018	0.016	-0.02	-0.02	6.878
91	11.38	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.222	2.203	-0.44	-0.41	0.046	0.046	-0.01	-0.01	11.38
92	12.99	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.203	0.280	-2.33	-2.45	0.006	0.004	-0.07	-0.08	12.99
93	9.635	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.379	0.453	-0.75	-0.86	0.009	0.008	-0.02	-0.02	9.635
94	6.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.064	0.071	-0.02	-0.03	0.001	0.001	-0.00	-0.00	6.039
95	4.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	-0.01	0.211	0.242	0.000	0.000	0.007	0.008	4.662
96	5.168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	-0.03	0.084	0.104	-0.00	-0.00	0.003	0.003	5.168
97	7.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.03	-0.03	-0.13	-0.14	-0.00	-0.00	-0.00	-0.00	7.099
98	8.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.159	0.144	0.159	0.183	0.003	0.003	0.005	0.006	8.279
99	8.217	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.14	-0.18	0.271	0.336	-0.00	-0.00	0.009	0.011	8.217
100	7.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.23	-0.27	0.248	0.318	-0.00	-0.00	0.008	0.010	7.032
101	5.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.23	-0.24	0.014	0.021	-0.00	-0.00	0.000	0.001	5.267
102	4.820	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.10	-0.28	-0.35	-0.00	-0.00	-0.00	-0.01	4.820
103	6.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.098	0.178	-0.43	-0.56	0.004	0.002	-0.01	-0.01	6.071
104	9.955	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.923	0.944	-0.33	-0.36	0.020	0.019	-0.01	-0.01	9.955
105	13.10	0.000	0.000	0.000														

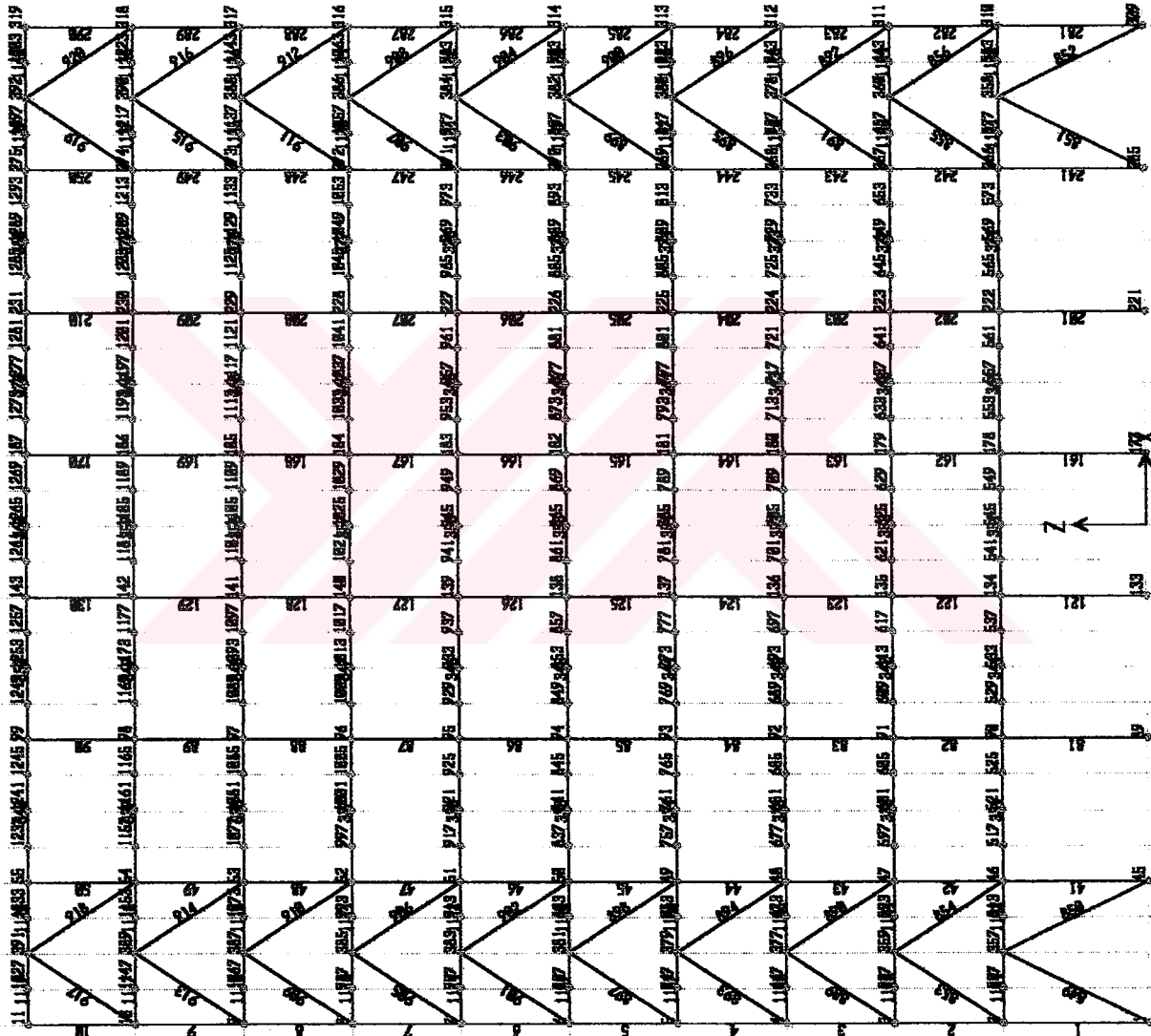
127	10.34	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.22	-0.25	0.147	0.183	-0.00	-0.00	0.005	0.006	10.34
128	10.30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.00	-0.04	0.449	0.512	-0.00	0.000	0.015	0.017	10.30
129	7.176	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	-0.04	0.238	0.275	-0.00	0.000	0.008	0.009	7.176
130	5.597	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.12	-0.13	0.006	0.009	-0.00	-0.00	0.000	0.000	5.597
131	5.579	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.25	-0.22	-0.22	-0.27	-0.00	-0.00	-0.00	-0.00	5.579
132	6.950	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.32	-0.24	-0.43	-0.55	-0.00	-0.00	-0.01	-0.01	6.950
133	7.995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.03	-0.00	-0.16	-0.21	0.000	-0.00	-0.00	-0.00	7.995
134	9.186	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.144	-0.05	-0.06	0.003	0.003	-0.00	-0.00	9.186
135	11.65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.951	0.962	-0.39	-0.41	0.020	0.020	-0.01	-0.01	11.65
136	16.30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.536	2.492	-0.92	-0.85	0.052	0.053	-0.03	-0.02	16.30
137	13.01	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.19	-0.26	-2.44	-2.32	-0.00	-0.00	-0.07	-0.07	13.01
138	8.832	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.085	-0.86	-0.87	0.002	0.002	-0.02	-0.02	8.832

max ZEMİN GERİLMESİ=26.788 t/m²

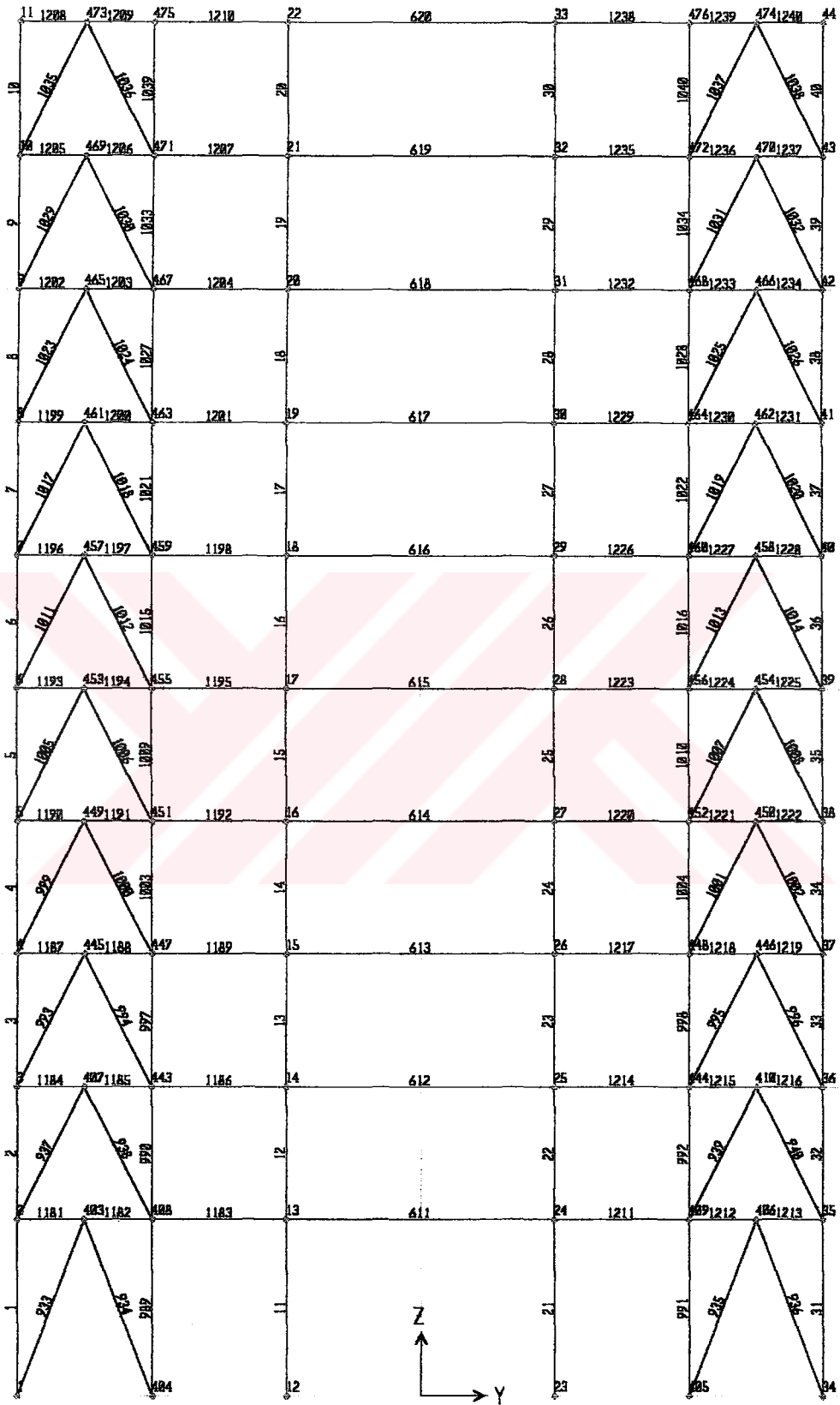
Çelik Sistem Yapının Metraji

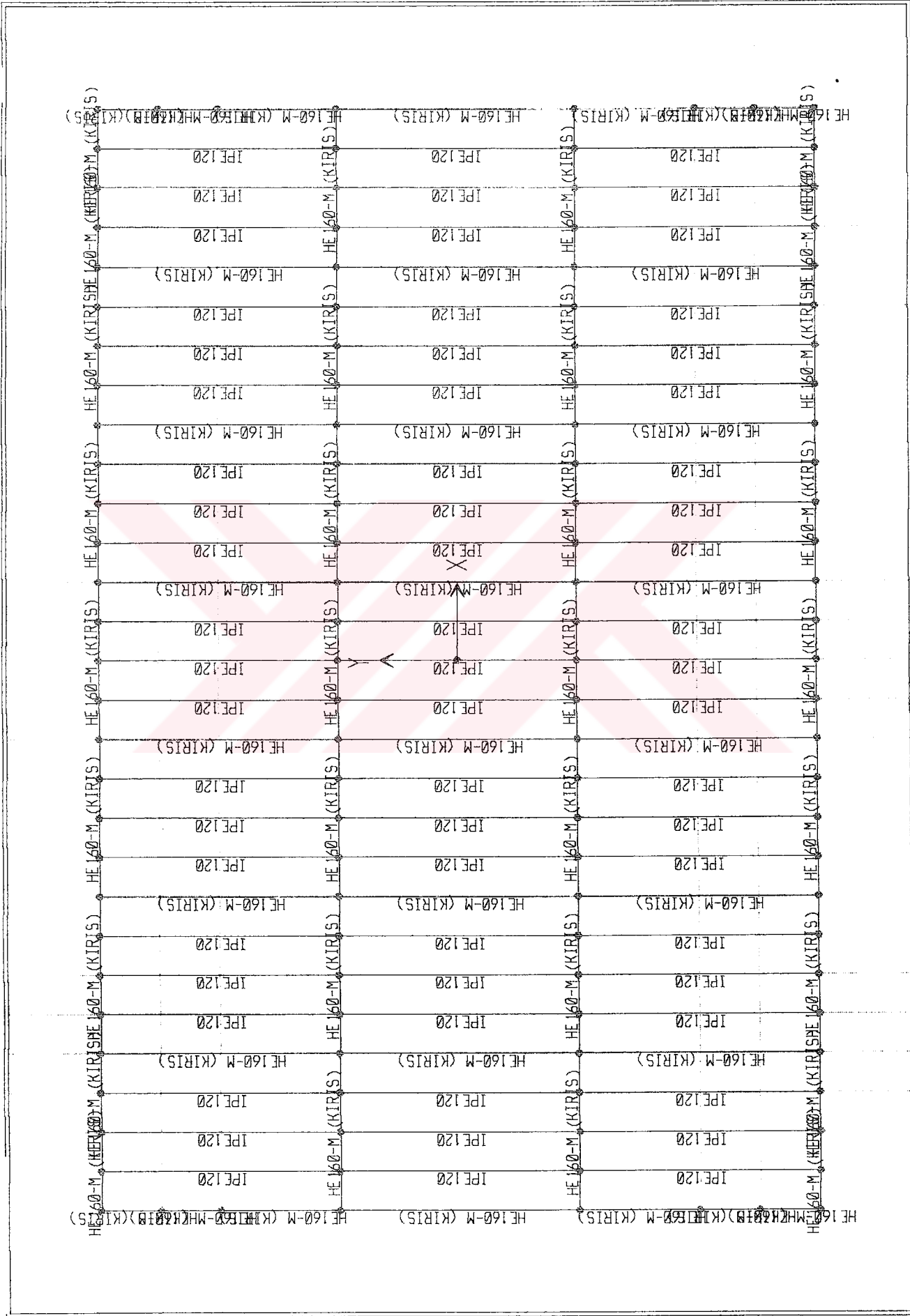
	Malzeme Cinsi	Mahal	Adet	Uzunluk(mt)	Toplam Uzunluk(mt)	Birim Ağırlık (kg/m)	Toplam Ağırlık(ton)
PROFİL	HE - 160 M	Ana Kiriş	427	6	2562	76.06	194.87
	HE - 180 M	Diyagonal	158	6	948	88.51	83.91
	HE - 340 M	Kolon	186	6	1116	247.53	276.24
	IPE 120	Nervür	630	6	3780	10.34	39.09
TOPLAM AĞIRLIK						594.10 TON	

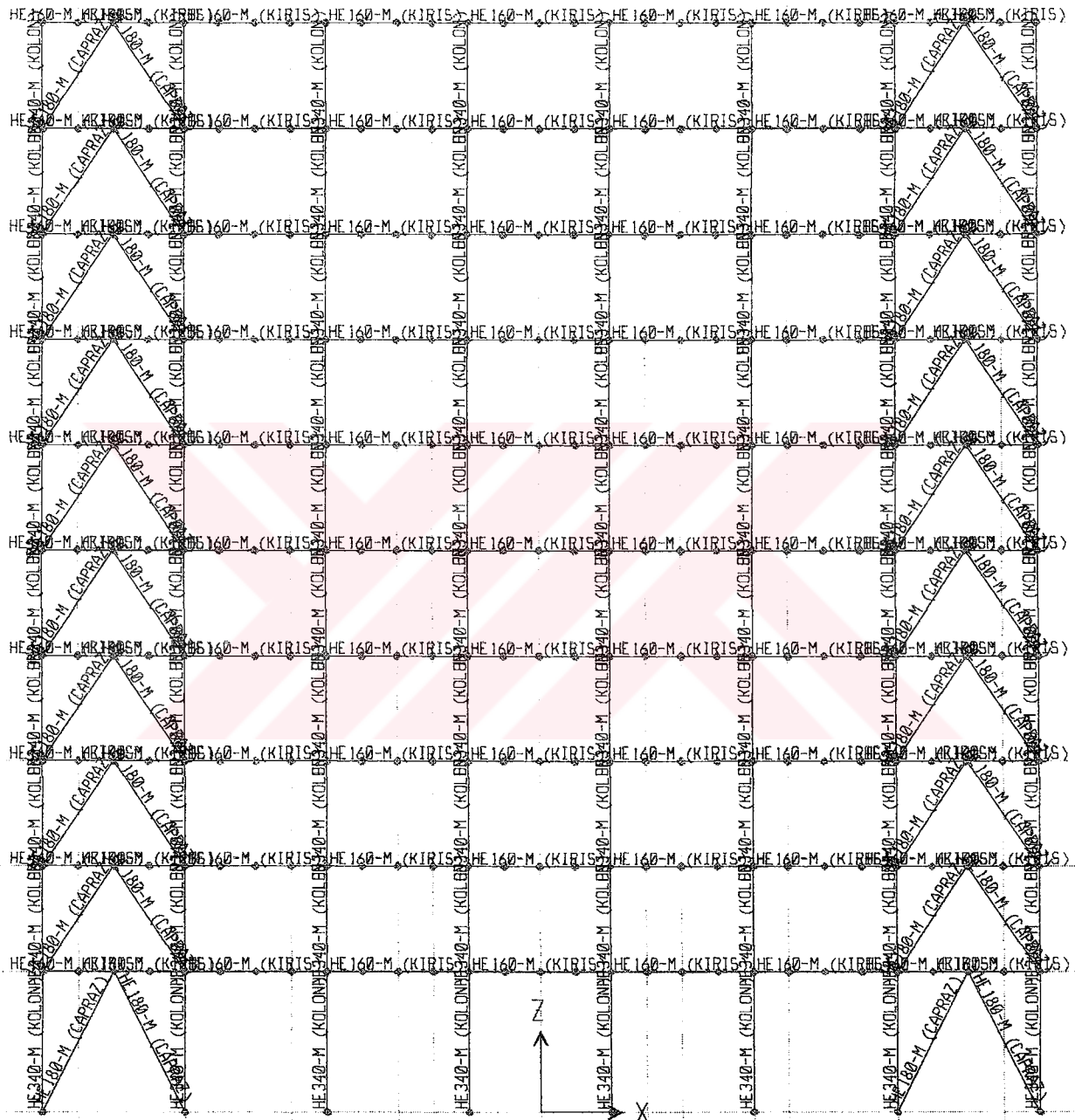
	Malzeme	Mahal	Birim	Miktar
BETON+DEMİR	BS 25	Döşeme	M3	554.3
	BS 25	Temel	M3	275.5
	BÇ III	Döşeme	TON	32.316
	BÇ III	Temel	TON	22.78
	Kalıp Yap.	Temel	M2	48
	Kalıp Yap.	Döşeme	M2	4500

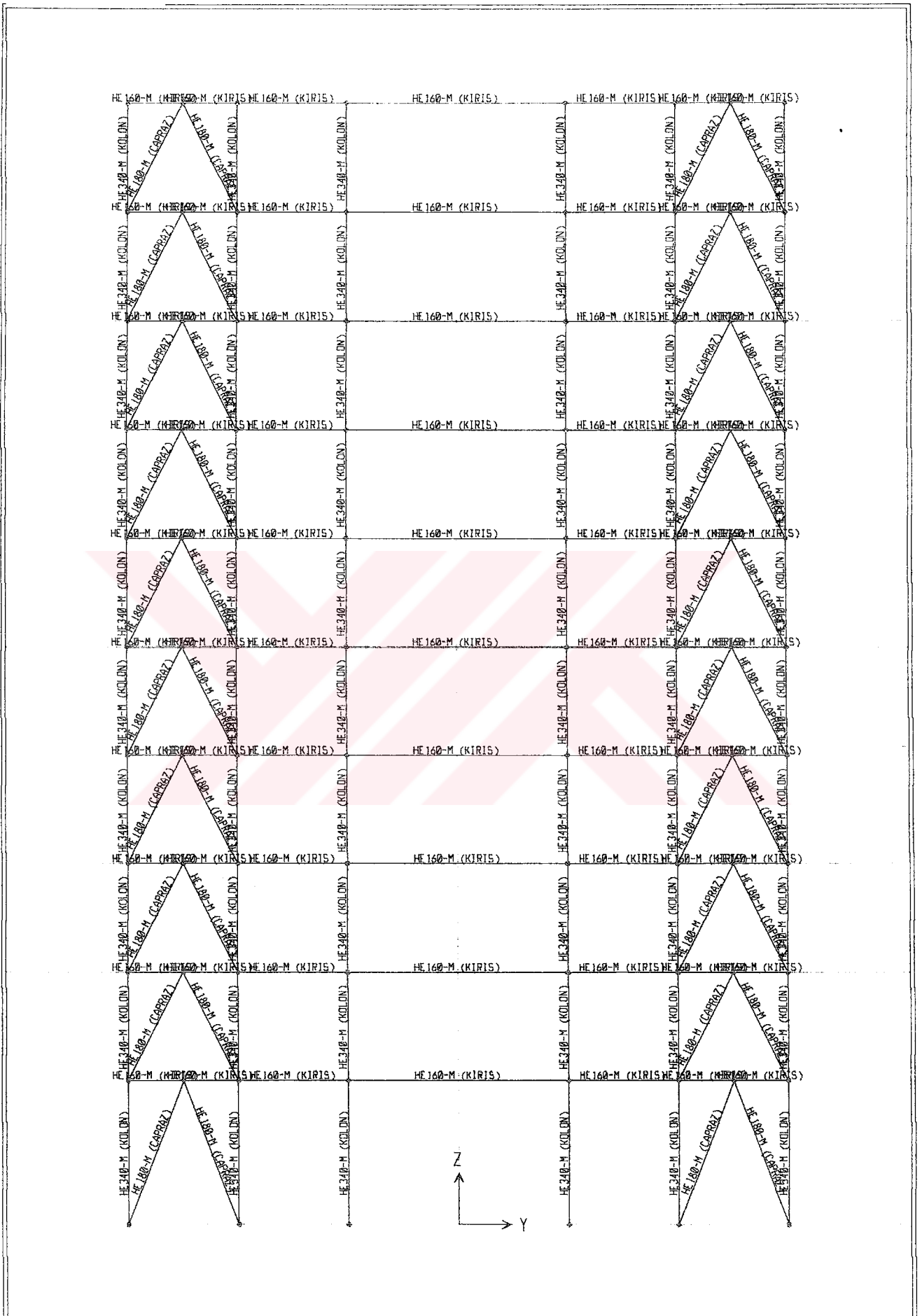


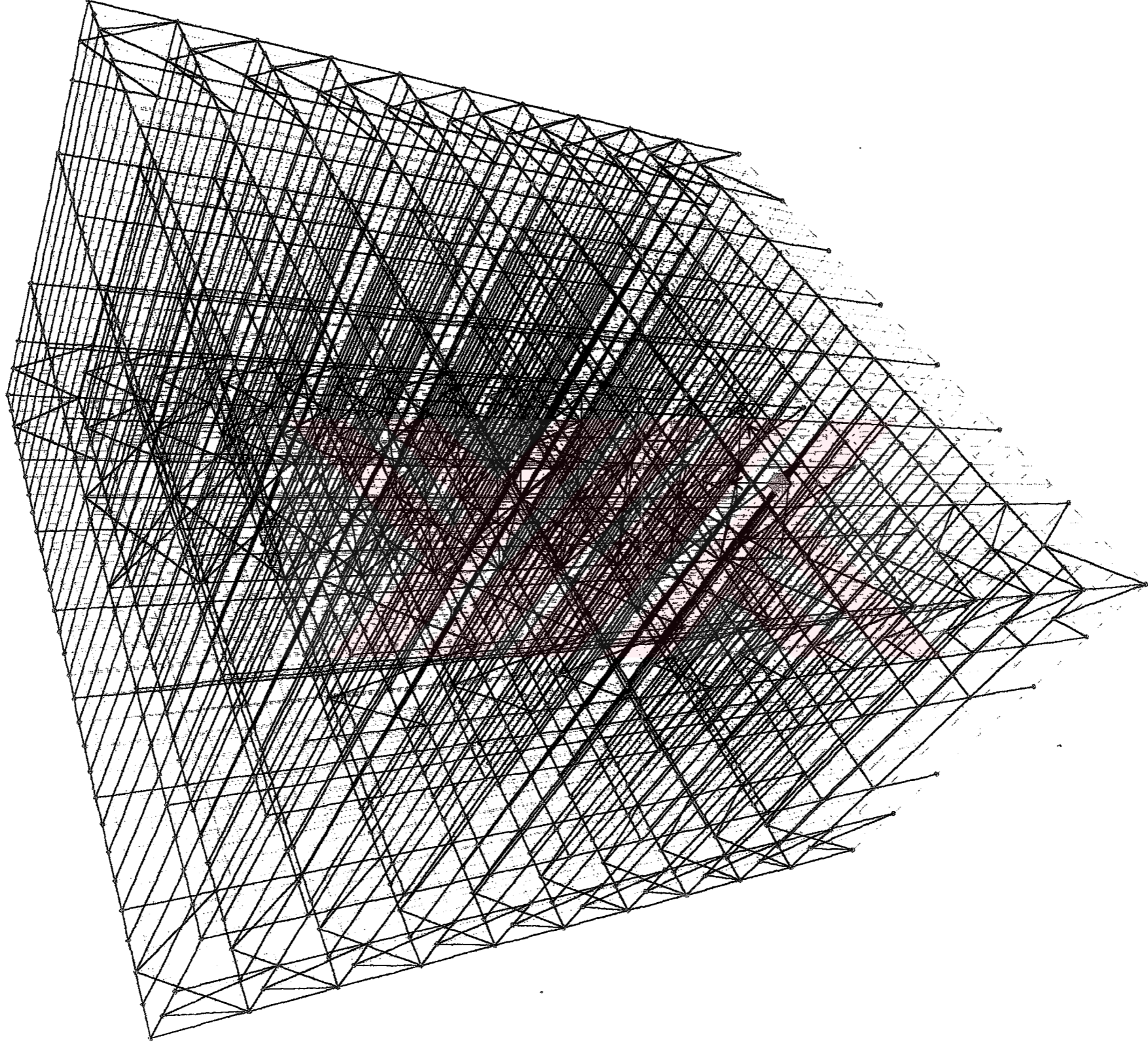
SAP2000

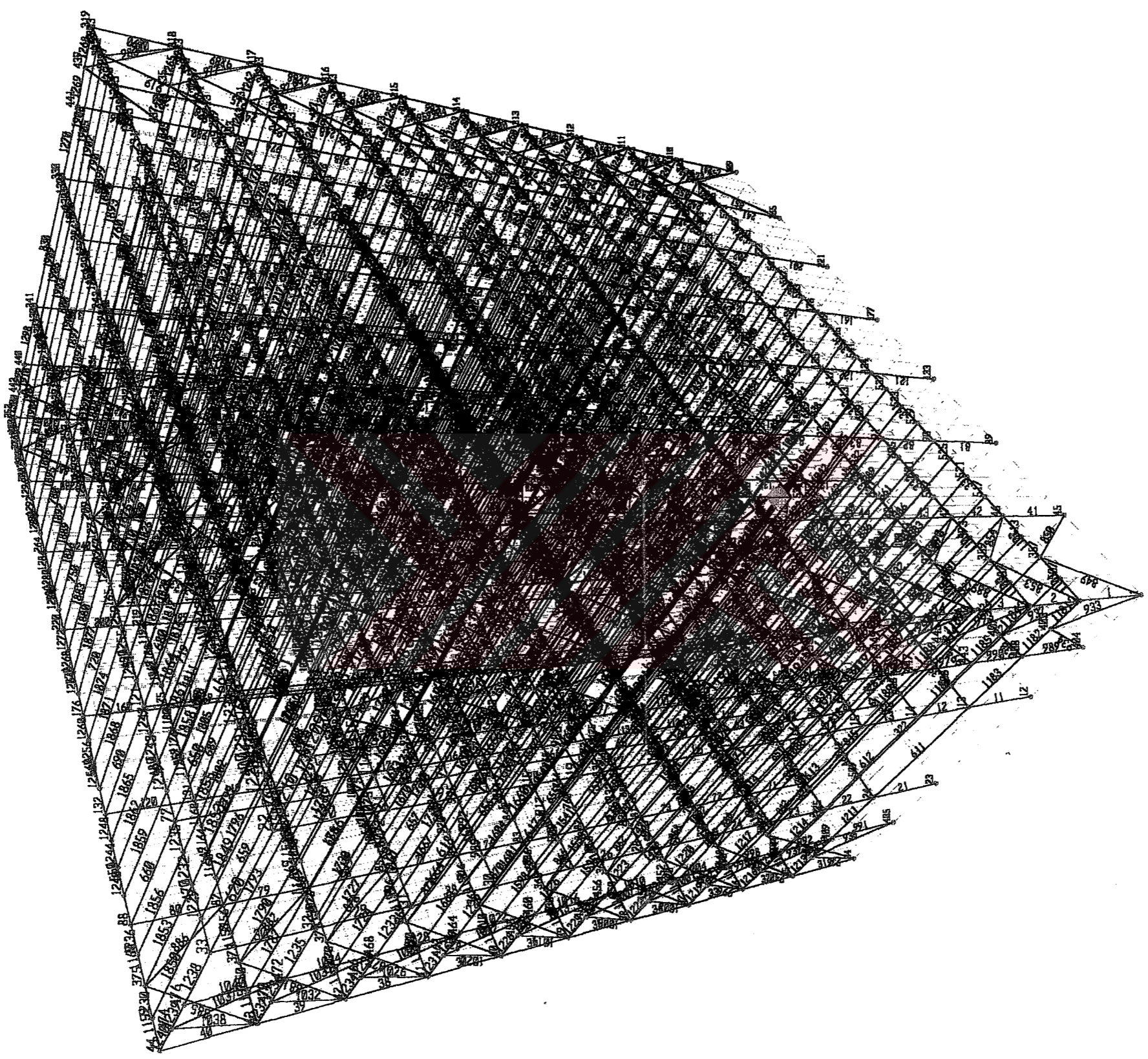


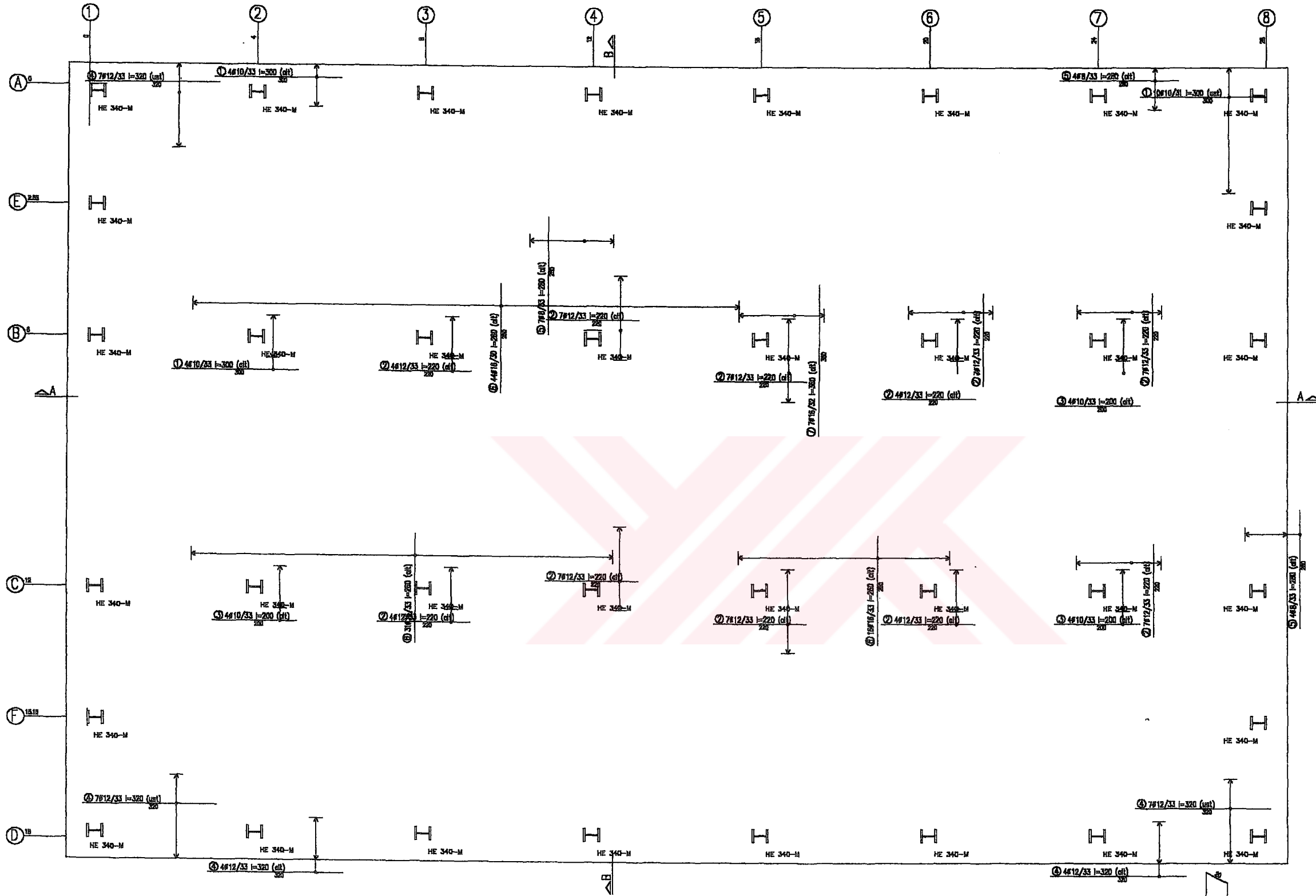








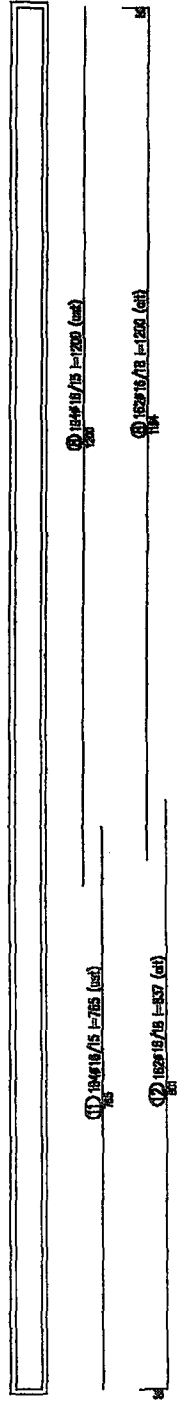




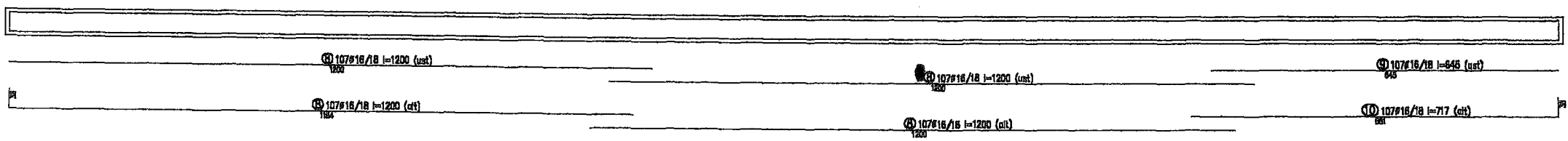
RADYE TEMEL APLIKASYON PLANI (1/100)

A - A KESİTİ

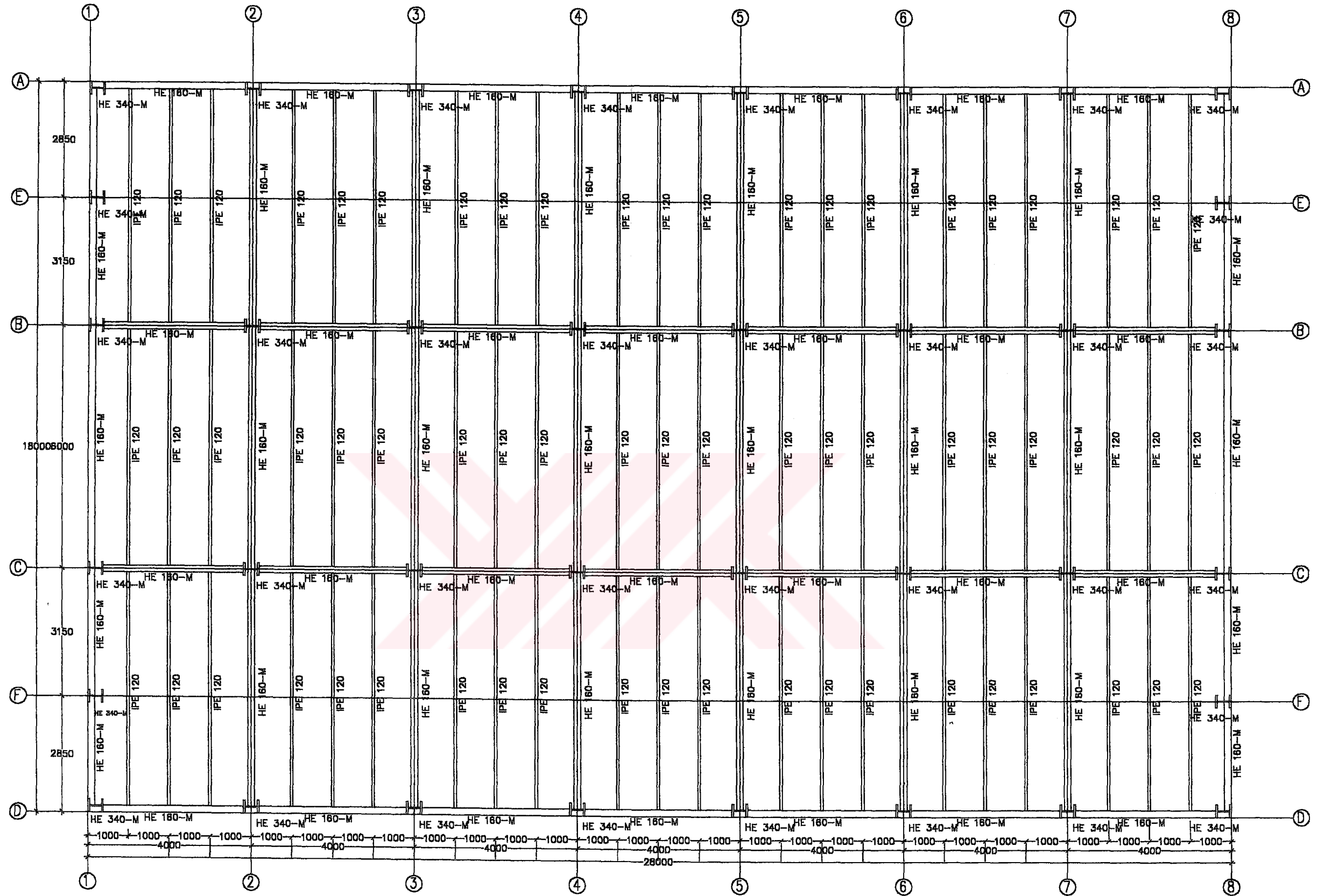
B - B KESİTİ



1102/8 I=112 (selpa 2 adet/m2)

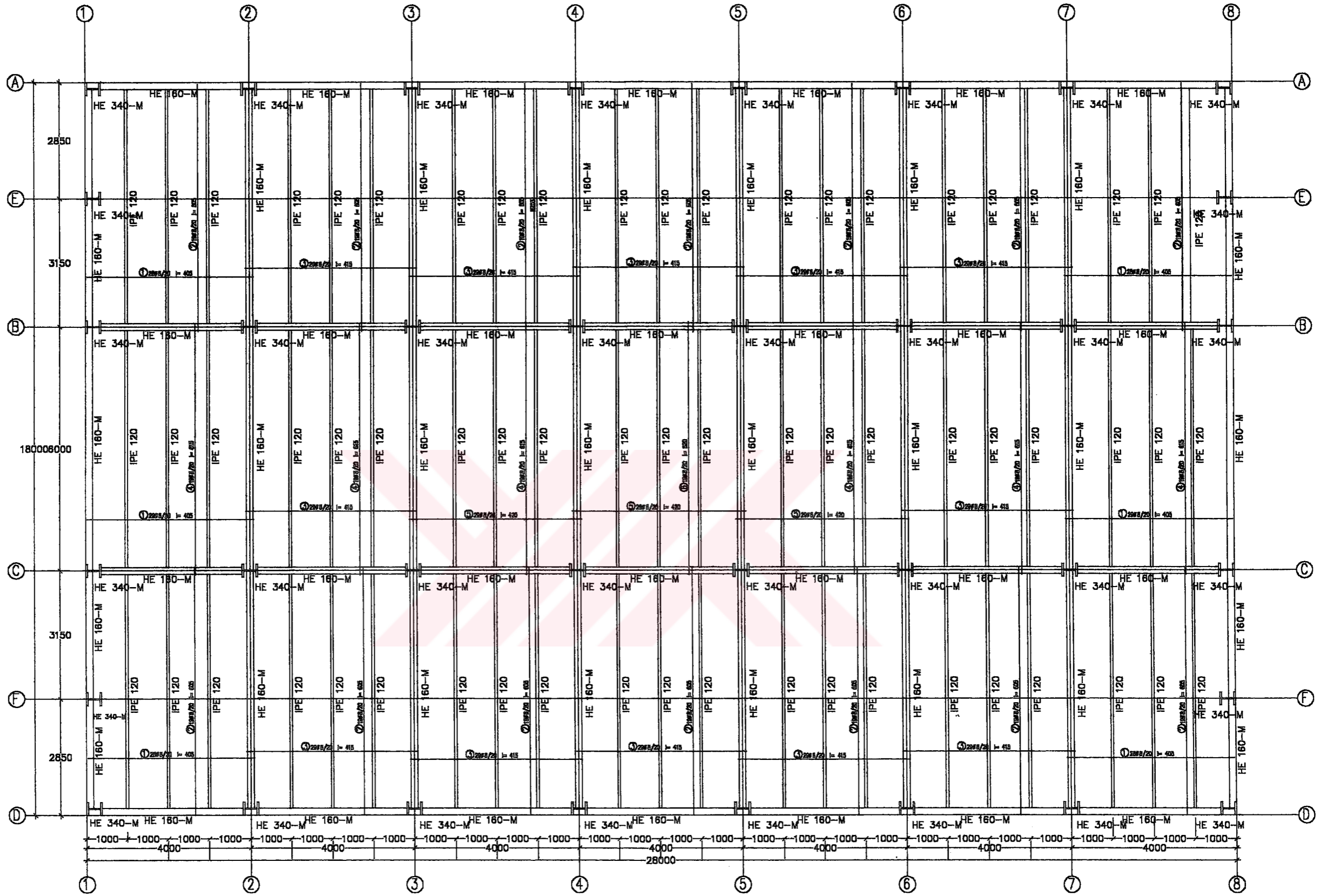


PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
RADYE TEMEL APLIKASYON PLANI (1/100)			
YAP. SAHNE	PAFTA	ADA	PARSEL
ŞEHİR			
PROJE MÜHÜRÜ	İDA VİZESİ	BELEDİYE DİŞİ	



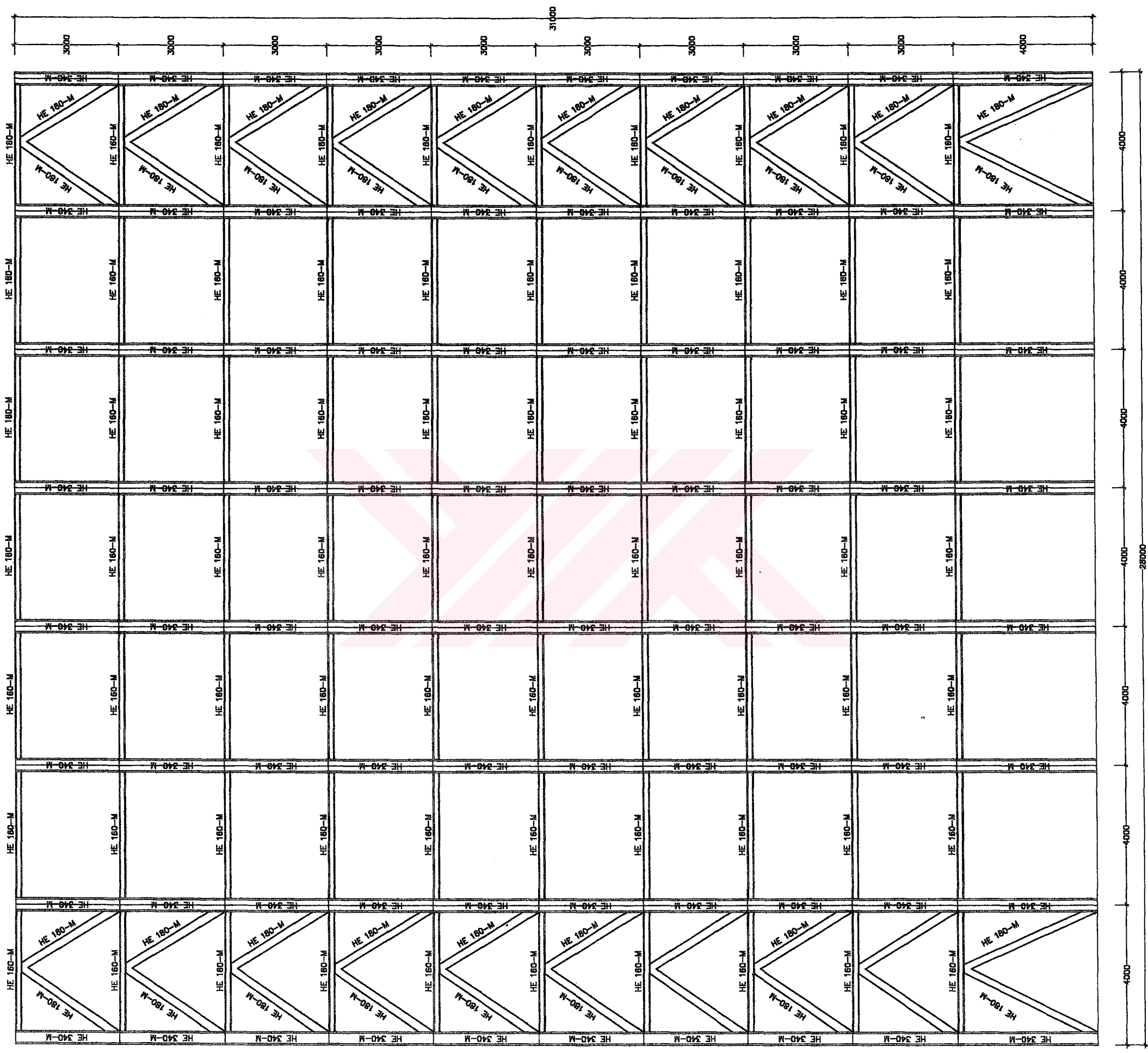
ÇELİK KAT PLANI

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
ZEMİN 1-2-3-4-5-6-7-8-9. KAT KOLON APLİKASYON PLANI (1/100)			
YAPİ SAHİBİ	PAFTA	ADA	PARSEL
ONAY			
PROJE MÜHÜRÜ	MİMAR MÜHÜRÜ	BELEDİYE ONAYI	

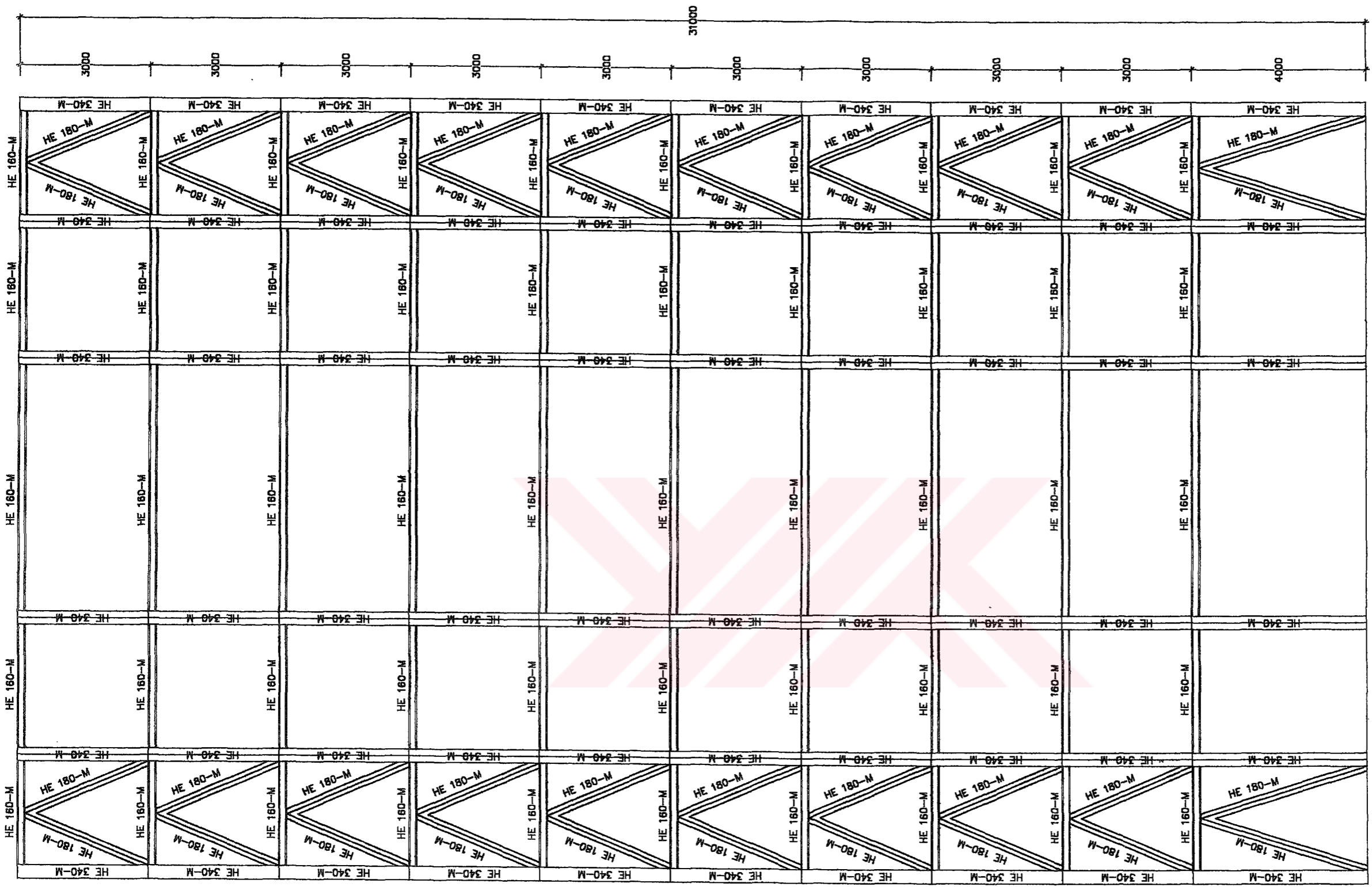


Betonarme Döşeme Donatısı

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
ZEMİN 1-2-3-4-5-6-7-8-9. KAT BETONARME DÖŞEME PLANI (1/100)			
YAPİ SAHİSİ	PAFTA	ADA	PARSEL
ORJANİZASYON			
PROJE MÜELLİFİ	ORGANİZASYON	BELEDİYE ORJANİZASYON	



PROJE			
10 KATU İŞ MERKEZİ PROJESİ			
D-3 AKS ÇARŞISI (1/100)			
YATAY KESİM	YATAY	AKS	PARSEL
YATAY KESİM	AKS	YATAY	PARSEL
YATAY KESİM	AKS	YATAY	PARSEL
YATAY KESİM	AKS	YATAY	PARSEL



31000

3000 3000 3000 3000 3000 3000 3000 3000 3000 4000

2850 3150 6000 3150 2850 18000

PROJE		YATIRIMCI		YAPILAN	
10 KATLI İŞ MERKEZİ PROJESİ		YATIRIMCI		YAPILAN	
1-1 AKSI GÖRÜNÜŞÜ (1/100)		YATIRIMCI		YAPILAN	
PROJE YERİ		PROJE NO		PROJE TARİHİ	
PROJE YERİ		PROJE NO		PROJE TARİHİ	

EK 3 – SİSTEMİN KOMPOZİT ANALİZİ VE ÇİZİMLER

YÜK ANALİZLERİ

NORMAL KAT

	B. A. (t/m ²)	Kalınlık (m)	Ağırlık (t/m ²)
10 cm beton plak	2.5	0.1	0.25
kaplama fayans	2.20	0.01	0.022
kaplama harcı	2.20	0.02	0.044
tesviye betonu	2.00	0.03	0.060
konstrüksiyon	0.01	1.00	0.010
asma tavan (2 cm alçı) (t/m ²)	0.02		0.020

$$g = 0.406 \text{ t/m}^2$$

$$q = 0.35 \text{ t/m}^2$$

Kirişlere gelen yükler			
	dış	iç	
g =	1.218	2.436	t/m
q =	1.05	2.1	t/m

$$\text{Kat Alanı} \quad A = x \times y = 28 \times 18 = 504 \quad \text{m}^2$$

$$\text{Döşeme Ağırlığı} \quad W_g = 0,406 \times 504 = 205 \quad \text{t}$$

$$W_q = 0,35 \times 504 = 176 \quad \text{t}$$

$$\text{İtibari Ağırlık} \quad W_z = W_g + n \times W_q$$

n : Hareketli Yük Katılım Katsayısı Bizim yapımızın kullanım amacı iş yeri olduğu için 97 ABYYHY gereği n=0,3 'tür.

$$W_{\text{döşeme}} = 258 \quad \text{t}$$

dış cephe 13 cm ytong

$$1.5 \quad 3.036$$

ÇATI KATI

	B. A. (t/m ²)	Kalınlık (m)	Ağırlık (t/m ²)
kaplama su izolasyonu (t/m ²)	0.020		0.020
şap	2.000	0.04	0.080
kar yükü	0.075		0.075
10 cm beton plak	2.500	0.10	0.250
konstrüksiyon	0.010	1.00	0.010
asma tavan (2 cm alçı) (t/m ²)	0.020		0.020

$$g = 0.455 \text{ t/m}^2$$

$$q = 0.15 \text{ t/m}^2$$

Kirişlere gelen yükler			
	dış	iç	
g =	1.365	2.73	t/m
q =	0.45	0.9	t/m

$$\text{Kat Alanı} \quad A = x \times y = 28 \times 18 = 504 \quad \text{m}^2$$

$$\text{Döşeme Ağırlığı} \quad W_g = 0,455 \times 504 = 229 \quad \text{t}$$

$$W_q = 0,35 \times 504 = 76 \quad \text{t}$$

$$\text{İtibari Ağırlık} \quad W_z = W_g + n \times W_q$$

n : Hareketli Yük Katılım Katsayısı Bizim yapımızın kullanım amacı iş yeri olduğu için 97 ABYYHY gereği n=0,3 'tür.

$$W_{\text{döşeme}} = 252 \quad \text{t}$$

TOPLAM BİNA AĞIRLIĞI

KAT	PROFİL	AĞIRLIK	PERDE	DUVAR	DÖŞEME	TOPLAM	M	W=M/G
							537.34	55
7	HE 260-M	21.80	132.00	126	258	537.34	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
1	HE 260-M	16.40	99.00	126	258	498.94	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
2	HE 260-M	16.40	99.00	126	258	498.94	367.40	37
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
3	HE 260-M	16.40	99.00	126	258	498.94	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
4	HE 260-M	16.40	99.00	126	258	498.94	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
5	HE 260-M	16.40	99.00	126	258	498.94	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
6	HE 260-M	16.40	99.00	126	258	498.94	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
7	HE 260-M	16.40	99.00	126	258	498.94	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
8	HE 260-M	16.40	99.00	126	258	498.94	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
9	HE 260-M	16.40	99.00	0	252	367.40	498.94	51
	HE 220-M						498.94	51
	HE 160 M						498.94	51
	HE 120 B						498.94	51
							4896.30	

KATLARA ETKİYEN DEPREM KUVVETLERİNİN HESAPLANMASI

Deprem Atalet Kuvveti

$$V_t = W_t \times A_0 \times I \times S(T_1) / R_a(T_1)$$

$$A_0 \text{ (1. Derece Deprem Böl.)} = 0.4$$

$$I \text{ (Yapı Önem Katsayısı)} = 1$$

$$R \text{ (Yapı Davranış Katsayısı)} = 7$$

$$\text{TB Spektrum Karakteristik Per)} = 0.4$$

$$W_t = 4896 \text{ t Yapı Ağırlığı } 279.788$$

$$V_t = 297.800$$

Z2 için

$$25 \text{ m} < H_N = 31$$

$$T_1 = C_t \times H_N^{3/4} = 0.92 \text{ s}$$

$$\Delta F_N = C_t \times T_1 \times V_t = 18.01 \text{ t}$$

$$C_t = 0.07$$

$$T_1 = 0.92$$

$$V_t = 279.79$$

$$\Delta F_N < 0.2 V_t = 59.560 \text{ uygundur}$$

$$e_x = 1.4 \text{ m}$$

$$e_y = .9 \text{ m}$$

EŞDEĞER DEPREM YÜKLERİ VE KAT KESME KUVVETLERİ

Kat	W_i	h_i	$W_i \times h_i$	F_i	V_i
Zemin	537.34	4	2149.38	7.21	297.80
1. Kat	498.94	7	3492.61	11.72	290.59
2. Kat	498.94	10	4989.44	16.74	278.87
3. Kat	498.94	13	6486.27	21.76	262.13
4. Kat	498.94	16	7983.10	26.78	240.37
5. Kat	498.94	19	9479.94	31.81	213.58
6. Kat	498.94	22	10976.77	36.83	181.78
7. Kat	498.94	25	12473.60	41.85	144.95
8. Kat	498.94	28	13970.43	46.87	103.10
9. Kat	367.40	31	11389.40	56.22	56.22
			83390.94		

KAT DEPLASMANLARI

5000	MAX MAX	2.21E+03	2.22E+03	0 0 0	1.03E+00
5000	MAX MIN	-2.21E+03	-2.21E+03	0 0 0	-1.03E+01
5001	MAX MAX	5.06E+03	4.99E+03	0 0 0	2.33E+01
5001	MAX MIN	-5.06E+02	-4.96E+02	0 0 0	-2.33E+01
5002	MAX MAX	8.65E+02	8.47E+03	0 0 0	4.06E+01
5002	MAX MIN	-8.65E+03	-8.43E+03	0 0 0	-4.06E+01
5003	MAX MAX	1.28E+04	1.25E+04	0 0 0	6.20E+01
5003	MAX MIN	-1.28E+04	-1.24E+04	0 0 0	-6.20E+01
5004	MAX MAX	1.74E+04	1.70E+04	0 0 0	8.61E+01
5004	MAX MIN	-1.74E+04	-1.68E+04	0 0 0	-8.60E+01
5005	MAX MAX	2.21E+04	2.16E+04	0 0 0	1.12E+02
5005	MAX MIN	-2.21E+04	-2.15E+04	0 0 0	-1.12E+02
5006	MAX MAX	2.69E+04	2.64E+04	0 0 0	1.38E+02
5006	MAX MIN	-2.69E+04	-2.62E+04	0 0 0	-1.38E+02
5007	MAX MAX	3.16E+04	3.10E+04	0 0 0	1.63E+02
5007	MAX MIN	-3.16E+04	-3.09E+04	0 0 0	-1.63E+02
5008	MAX MAX	3.61E+04	3.56E+04	0 0 0	1.88E+02
5008	MAX MIN	-3.61E+04	-3.54E+04	0 0 0	-1.88E+02
5009	MAX MAX	4.03E+04	3.98E+04	0 0 0	2.12E+02
5009	MAX MIN	-4.03E+04	-3.97E+04	0 0 0	-2.12E+02

2. Aşama Yönlendirme														Taban Dev.Mom		hi
kat	X-DEPREM						Y-DEPREM						Mx	My		
	dix	mi	mi x di2	Fi	Fi x di	Sx x Fi	diy	mi	mi x di2	Fi	Fi x di	Sy x Fi				
2	0.000765	54.78	3.2038E-05	7.21	0.01	8.17	0.000690	54.78	2.608E-05	7.21	0.00	8.42	32.69	33.70	4	
1N	0.001998	50.86	0.00020303	11.72	0.02	13.28	0.000182	50.86	1.68E-06	11.72	0.00	13.69	92.95	95.83	7	
2N	0.003662	50.86	0.0006822	16.74	0.06	18.97	0.003352	50.86	0.0005715	16.74	0.06	19.56	189.70	195.57	10	
3N	0.005661	50.86	0.00162977	21.76	0.12	24.66	0.000521	50.86	1.378E-05	21.76	0.01	25.42	320.59	330.51	13	
4N	0.007906	50.86	0.00317895	26.78	0.21	30.35	0.007297	50.86	0.0027083	26.78	0.20	31.29	485.63	500.66	16	
5N	0.010321	50.86	0.00541741	31.81	0.33	36.04	0.009556	50.86	0.004644	31.81	0.30	37.16	684.81	706.01	19	
6N	0.012838	50.86	0.00838256	36.83	0.47	41.73	0.000000	50.86	7.222E-15	36.83	0.00	43.03	918.14	946.56	22	
7N	0.015403	50.86	0.01206671	41.85	0.64	47.42	0.014326	50.86	0.0104379	41.85	0.60	48.89	1185.62	1222.31	25	
8N	0.017974	50.86	0.01643208	46.87	0.84	53.12	0.016745	50.86	0.0142604	46.87	0.78	54.76	1487.24	1533.27	28	
9N	0.020525	37.45	0.01577781	56.22	1.15	63.71	0.019148	37.45	0.013731	56.22	1.08	65.68	1975.10	2036.23	31	
			0.06380256		3.8674			0.0463946		3.035		7372.46	7600.7			
				Tx =	0.807					Ty =	0.776					
				Sx =	1.133					Sy =	1.168					

GÖRELİ KAT ÖTELEMELERİ

1 N	0.001398
2 N	0.001886
3 N	0.002265
4 N	0.002545
5 N	0.002737
6 N	0.002853
7 N	0.002907
8 N	0.002914
9 N	0.002891

0.001344
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.0013	0.001344
-0.0018	0.000000
0.0058	0.000000
0.0025	0.000000
0.0027	0.000000
-0.0114	0.000000
0.0172	0.000000
0.0029	0.000000
0.0029	0.000000

MAX 0.002914

0.00097 <0,0035

0.00097 <0,02/R = 0.00285714

0.001344

0.000448 <0,0035

0.000448 <0,02/R = 0.0028571

Kompozit Sistem Statik Hesapları

STATIC LOAD CASES

STATIC CASE	CASE TYPE	SELF WT FACTOR
G	DEAD	0.0000
ZATI	DEAD	0.0000
Q	LIVE	0.0000
EX	QUAKE	0.0000
EY	QUAKE	0.0000
RXP	WIND	0.0000
RKN	WIND	0.0000
RYP	WIND	0.0000
RYN	WIND	0.0000

MATERIAL PROPERTY DATA

MAT LABEL	MODULUS OF ELASTICITY	POISSON'S RATIO	THERMAL COEFF	WEIGHT PER UNIT VOL	MASS PER UNIT VOL
STEEL	21000000.0	0.300	1.170E-05	7.833	0.798
CONC	3000000.00	0.200	9.900E-06	2.403	0.000
OTHER	2531050.65	0.200	9.900E-06	2.403	0.245

MATERIAL DESIGN DATA

MAT LABEL	DESIGN CODE	STEEL FY	CONCRETE FC	REBAR FY	CONCRETE FCS	REBAR FYS
STEEL	S	24000.000				
CONC	C		2500.000	36520.000	2500.000	36520.000
OTHER	N					

FRAME SECTION PROPERTY DATA

SECTION LABEL	MAT LABEL	SECTION TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
FSEC1	STEEL		0.500	0.300	0.000	0.000	0.000	0.000
HE160-M	STEEL	HE160-M	0.180	0.166	2.300E-02	1.400E-02	0.166	2.300E-02
HE180-M	STEEL	HE180-M	0.200	0.186	2.400E-02	1.450E-02	0.186	2.400E-02
HE200-M	STEEL	HE200-M	0.220	0.206	2.500E-02	1.500E-02	0.206	2.500E-02
HE220-M	STEEL	HE220-M	0.240	0.226	2.600E-02	1.550E-02	0.226	2.600E-02
HE240-M	STEEL	HE240-M	0.270	0.248	3.200E-02	1.800E-02	0.248	3.200E-02
HE260-M	STEEL	HE260-M	0.290	0.268	3.250E-02	1.800E-02	0.268	3.250E-02
HE280-M	STEEL	HE280-M	0.310	0.288	3.300E-02	1.850E-02	0.288	3.300E-02
HE300-M	STEEL	HE300-M	0.340	0.310	3.900E-02	2.100E-02	0.310	3.900E-02
HE320-M	STEEL	HE320-M	0.359	0.309	4.000E-02	2.100E-02	0.309	4.000E-02
HE340-M	STEEL	HE340-M	0.377	0.309	4.000E-02	2.100E-02	0.309	4.000E-02
HE360-M	STEEL	HE360-M	0.395	0.308	4.000E-02	2.100E-02	0.308	4.000E-02
HE400-M	STEEL	HE400-M	0.432	0.307	4.000E-02	2.100E-02	0.307	4.000E-02
HE450-M	STEEL	HE450-M	0.478	0.307	4.000E-02	2.100E-02	0.307	4.000E-02
HE500-M	STEEL	HE500-M	0.524	0.306	4.000E-02	2.100E-02	0.306	4.000E-02
HE600-M	STEEL	HE600-M	0.620	0.305	4.000E-02	2.100E-02	0.305	4.000E-02
HE140-B	STEEL	HE140-B	0.140	0.140	1.200E-02	7.000E-03	0.140	1.200E-02
HE120-B	STEEL	HE120-B	0.120	0.120	1.100E-02	6.500E-03	0.120	1.100E-02

FRAME SECTION PROPERTY DATA

SECTION LABEL	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
FSEC1	0.150	2.817E-03	3.125E-03	1.125E-03	0.125	0.125
HE160-M	9.710E-03	1.610E-06	5.098E-05	1.759E-05	2.520E-03	6.363E-03
HE180-M	1.130E-02	2.010E-06	7.483E-05	2.580E-05	2.900E-03	7.440E-03
HE200-M	1.310E-02	2.580E-06	1.064E-04	3.651E-05	3.300E-03	8.583E-03
HE220-M	1.490E-02	3.130E-06	1.460E-04	5.012E-05	3.720E-03	9.793E-03
HE240-M	2.000E-02	6.260E-06	2.429E-04	8.153E-05	4.860E-03	1.323E-02
HE260-M	2.200E-02	7.200E-06	3.131E-04	1.045E-04	5.220E-03	1.452E-02
HE280-M	2.400E-02	8.070E-06	3.955E-04	1.316E-04	5.735E-03	1.584E-02
HE300-M	3.030E-02	1.411E-05	5.920E-04	1.940E-04	7.140E-03	2.015E-02
HE320-M	3.120E-02	1.506E-05	6.813E-04	1.971E-04	7.539E-03	2.060E-02
HE340-M	3.160E-02	1.512E-05	7.637E-04	1.971E-04	7.917E-03	2.060E-02
HE360-M	3.190E-02	1.513E-05	8.487E-04	1.952E-04	8.295E-03	2.053E-02
HE400-M	3.260E-02	1.520E-05	1.041E-03	1.934E-04	9.072E-03	2.047E-02
HE450-M	3.350E-02	1.534E-05	1.315E-03	1.934E-04	1.004E-02	2.047E-02
HE500-M	3.440E-02	1.544E-05	1.619E-03	1.915E-04	1.100E-02	2.040E-02
HE600-M	3.640E-02	1.570E-05	2.374E-03	1.898E-04	1.302E-02	2.033E-02
HE140-B	4.300E-03	0.000	1.509E-05	5.500E-06	9.800E-04	2.800E-03
HE120-B	3.400E-03	0.000	8.640E-06	3.180E-06	7.800E-04	2.200E-03

FRAME SECTION PROPERTY DATA

SECTION LABEL	SECTION MODULII		PLASTIC MODULII		RADI OF GYRATION	
	S33	S22	Z33	Z22	R33	R22
FSEC1	1.250E-02	7.500E-03	1.875E-02	1.125E-02	0.144	8.660E-02
HE160-M	5.664E-04	2.119E-04	6.750E-04	3.250E-04	7.246E-02	4.256E-02
HE180-M	7.483E-04	2.774E-04	8.830E-04	4.250E-04	8.138E-02	4.778E-02
HE200-M	9.673E-04	3.545E-04	1.135E-03	5.430E-04	9.012E-02	5.279E-02
HE220-M	1.217E-03	4.435E-04	1.419E-03	6.790E-04	9.899E-02	5.800E-02
HE240-M	1.799E-03	6.575E-04	2.117E-03	1.006E-03	0.110	6.385E-02
HE260-M	2.159E-03	7.799E-04	2.524E-03	1.192E-03	0.119	6.892E-02
HE280-M	2.552E-03	9.139E-04	2.966E-03	1.397E-03	0.128	7.405E-02
HE300-M	3.482E-03	1.252E-03	4.078E-03	1.913E-03	0.140	8.002E-02
HE320-M	3.796E-03	1.276E-03	4.435E-03	1.951E-03	0.148	7.948E-02
HE340-M	4.051E-03	1.276E-03	4.718E-03	1.953E-03	0.155	7.898E-02
HE360-M	4.297E-03	1.268E-03	4.989E-03	1.942E-03	0.163	7.822E-02
HE400-M	4.819E-03	1.260E-03	5.571E-03	1.934E-03	0.179	7.702E-02
HE450-M	5.502E-03	1.260E-03	6.331E-03	1.939E-03	0.198	7.598E-02
HE500-M	6.179E-03	1.252E-03	7.094E-03	1.932E-03	0.217	7.461E-02
HE600-M	7.658E-03	1.245E-03	8.772E-03	1.930E-03	0.255	7.221E-02
HE140-B	2.156E-04	7.857E-05	2.450E-04	1.200E-04	5.924E-02	3.576E-02
HE120-B	1.440E-04	5.300E-05	1.650E-04	8.100E-05	5.041E-02	3.058E-02

FRAME SECTION PROPERTY DATA

SECTION LABEL	TOTAL WEIGHT	TOTAL MASS
HE160-M	40.465	4.123
HE220-M	43.419	4.424
HE260-M	42.739	4.354
HE120-B	42.294	4.309

SHELL SECTION PROPERTY DATA

SECTION LABEL	MAT LABEL	SHELL TYPE	MEMBRANE THICK	BENDING THICK	MATERIAL ANGLE
SSEC1	CONC	4	1.000	1.000	0.000
PERDE	CONC	1	0.300	0.300	0.000

SHELL SECTION PROPERTY DATA

SECTION LABEL	TOTAL WEIGHT	TOTAL MASS
SSEC1	0.000	0.000
PERDE	983.308	0.000

LOAD COMBINATION MULTIPLIERS

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB1	ADD				1,35G+1,50Q
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		Q	1.5000	STATIC (LIVE)	
COMB2	ADD				1,35G
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
COMB3	ADD				1,35G+1,50RX
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RXP	1.5000	STATIC (WIND)	
COMB4	ADD				1,35G-1,50RX
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RXN	1.5000	STATIC (WIND)	
COMB5	ADD				1,35G+RY
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	

		RYP	1.5000	STATIC (WIND)	
COMB6	ADD				1,35G-RY
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RYN	1.5000	STATIC (WIND)	
COMB7	ADD				G+1,50R
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		RXP	1.5000	STATIC (WIND)	
COMB8	ADD				G-1,50RX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		RXN	1.5000	STATIC (WIND)	
COMB9	ADD				G+RY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		RYP	1.5000	STATIC (WIND)	
COMB10	ADD				G-1,50RY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		RYN	1.5000	STATIC (WIND)	
COMB11	ADD				1,35G+1,35Q+1,35RX
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RXP	1.3500	STATIC (WIND)	
		Q	1.3500	STATIC (LIVE)	
COMB12	ADD				1,35G+1,35Q-1,35RX
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RXN	1.3500	STATIC (WIND)	
		Q	1.3500	STATIC (LIVE)	
COMB13	ADD				1,35G+1,35Q+1,35RY
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RYP	1.3500	STATIC (WIND)	
		Q	1.3500	STATIC (LIVE)	
COMB14	ADD				1,35G+1,35Q-1,35RY
		G	1.3500	STATIC (DEAD)	
		ZATI	1.3500	STATIC (DEAD)	
		RYN	1.3500	STATIC (WIND)	
		Q	1.3500	STATIC (LIVE)	
COMB15	ADD				G+EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	1.0000	STATIC (QUAKE)	
COMB16	ADD				G-EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	-1.0000	STATIC (QUAKE)	
COMB17	ADD				G+EY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EY	1.0000	STATIC (QUAKE)	
COMB18	ADD				G-EY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EY	-1.0000	STATIC (QUAKE)	
COMB19	ADD				G+0,45Q+EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	1.0000	STATIC (QUAKE)	
		Q	0.4500	STATIC (LIVE)	
COMB20	ADD				G+0,45Q-EX
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EX	-1.0000	STATIC (QUAKE)	
		Q	0.4500	STATIC (LIVE)	
COMB21	ADD				G+0,45Q-EY
		G	1.0000	STATIC (DEAD)	
		ZATI	1.0000	STATIC (DEAD)	
		EY	-1.0000	STATIC (QUAKE)	
		Q	0.4500	STATIC (LIVE)	

21	MAX3	MAX	0.00	-73.37	2.496E-01	1.467E-01	6.791E-05	2.998E-01	-8.837E-02
			2.00	-73.13	-4.311E-01	1.467E-01	6.791E-05	6.182E-03	9.578E-01
			4.00	-72.90	-1.921E-01	1.467E-01	6.791E-05	-2.378E-01	3.49
21	MAX3	MIN	0.00	-163.55	-1.52	7.562E-02	-6.786E-05	-4.265E-02	-1.83
			2.00	-163.24	-1.22	7.562E-02	-6.786E-05	-1.783E-01	1.413E-01
			4.00	-162.92	-1.77	7.562E-02	-6.786E-05	-3.820E-01	1.21
22	MAX3	MAX	0.00	-65.56	-9.283E-01	4.407E-01	1.691E-04	7.138E-01	-1.94
			1.50	-65.38	-1.34	4.407E-01	1.691E-04	8.527E-02	9.668E-03
			3.00	-65.21	-1.26	4.407E-01	1.691E-04	-2.917E-01	5.00
22	MAX3	MIN	0.00	-146.58	-3.65	2.224E-01	-1.689E-04	2.130E-01	-5.63
			1.50	-146.35	-3.53	2.224E-01	-1.689E-04	-4.694E-02	-3.852E-01
			3.00	-146.11	-3.83	2.224E-01	-1.689E-04	-6.304E-01	1.95
51	MAX3	MAX	0.00	-161.25	2.127E-01	6.533E-03	1.562E-04	2.559E-01	1.05
			2.00	-160.91	2.127E-01	6.533E-03	1.562E-04	2.073E-01	5.564E-01
			4.00	-160.56	2.127E-01	6.533E-03	1.562E-04	7.432E-02	-3.916E-03
51	MAX3	MIN	0.00	-336.32	-1.756E-01	-6.654E-03	-1.561E-04	-3.140E-01	-9.976E-01
			2.00	-335.85	-1.756E-01	-6.654E-03	-1.561E-04	-2.527E-01	-5.847E-01
			4.00	-335.39	-1.756E-01	-6.654E-03	-1.561E-04	-8.834E-02	-1.126E-01
52	MAX3	MAX	0.00	-144.26	3.717E-01	4.049E-02	3.889E-04	1.657E-01	1.11
			1.50	-144.00	3.717E-01	4.049E-02	3.889E-04	1.265E-01	4.101E-01
			3.00	-143.74	3.717E-01	4.049E-02	3.889E-04	6.475E-02	3.404E-01
52	MAX3	MIN	0.00	-300.64	-3.474E-01	-6.378E-02	-3.886E-04	-2.763E-01	-1.01
			1.50	-300.29	-3.474E-01	-6.378E-02	-3.886E-04	-1.675E-01	-3.496E-01
			3.00	-299.94	-3.474E-01	-6.378E-02	-3.886E-04	-2.734E-02	-3.187E-01
61	MAX3	MAX	0.00	-161.31	2.051E-01	1.508E-02	1.562E-04	2.650E-01	9.804E-01
			2.00	-160.97	2.051E-01	1.508E-02	1.562E-04	2.025E-01	5.111E-01
			4.00	-160.62	2.051E-01	1.508E-02	1.562E-04	5.741E-02	-2.266E-02
61	MAX3	MIN	0.00	-336.37	-1.666E-01	2.783E-03	-1.561E-04	-3.021E-01	-9.307E-01
			2.00	-335.91	-1.666E-01	2.783E-03	-1.561E-04	-2.590E-01	-5.405E-01
			4.00	-335.44	-1.666E-01	2.783E-03	-1.561E-04	-1.104E-01	-1.164E-01
62	MAX3	MAX	0.00	-144.32	3.480E-01	7.563E-02	3.889E-04	2.073E-01	1.02
			1.50	-144.06	3.480E-01	7.563E-02	3.889E-04	1.230E-01	3.716E-01
			3.00	-143.80	3.480E-01	7.563E-02	3.889E-04	1.257E-02	3.196E-01
62	MAX3	MIN	0.00	-300.70	-3.180E-01	-3.115E-02	-3.886E-04	-2.231E-01	-9.208E-01
			1.50	-300.35	-3.180E-01	-3.115E-02	-3.886E-04	-1.716E-01	-3.119E-01
			3.00	-300.00	-3.180E-01	-3.115E-02	-3.886E-04	-8.366E-02	-3.072E-01
81	MAX3	MAX	0.00	-80.11	5.836E-02	2.596E-01	6.791E-05	2.181E-02	4.646E-01
			2.00	-79.88	5.836E-02	-2.204E-01	6.791E-05	3.093E-01	3.148E-01
			4.00	-79.64	5.836E-02	-2.309E-02	6.791E-05	1.12	1.184E-01
81	MAX3	MIN	0.00	-168.32	-7.005E-02	-5.902E-01	-6.786E-05	-6.961E-01	-4.798E-01
			2.00	-168.01	-7.005E-02	-3.502E-01	-6.786E-05	1.473E-02	-3.060E-01
			4.00	-167.69	-7.005E-02	-7.875E-01	-6.786E-05	5.128E-01	-8.689E-02
82	MAX3	MAX	0.00	-71.66	5.002E-02	-3.505E-01	1.691E-04	-9.203E-01	3.533E-01
			1.50	-71.48	5.002E-02	-6.916E-01	1.691E-04	-3.669E-02	2.019E-01
			3.00	-71.31	5.002E-02	-5.359E-01	1.691E-04	1.55	7.912E-02
82	MAX3	MIN	0.00	-150.57	-1.012E-01	-1.15	-1.689E-04	-1.73	-4.234E-01
			1.50	-150.34	-1.012E-01	-9.675E-01	-1.689E-04	-1.775E-01	-1.950E-01
			3.00	-150.10	-1.012E-01	-1.32	-1.689E-04	8.807E-01	2.815E-02
91	MAX3	MAX	0.00	-152.08	2.582E-01	1.236E-02	1.562E-04	2.696E-01	1.10
			2.00	-151.74	2.582E-01	1.236E-02	1.562E-04	2.002E-01	5.246E-01
			4.00	-151.39	2.582E-01	1.236E-02	1.562E-04	5.332E-02	4.041E-02
91	MAX3	MIN	0.00	-327.92	-1.742E-01	6.212E-03	-1.561E-04	-3.047E-01	-9.936E-01
			2.00	-327.46	-1.742E-01	6.212E-03	-1.561E-04	-2.578E-01	-5.889E-01
			4.00	-326.99	-1.742E-01	6.212E-03	-1.561E-04	-1.112E-01	-2.684E-01
92	MAX3	MAX	0.00	-135.55	6.201E-01	5.418E-02	3.889E-04	2.061E-01	1.41
			1.50	-135.29	6.201E-01	5.418E-02	3.889E-04	1.295E-01	3.511E-01
			3.00	-135.04	6.201E-01	5.418E-02	3.889E-04	2.689E-02	1.935E-01
92	MAX3	MIN	0.00	-292.83	-2.793E-01	-3.076E-02	-3.886E-04	-2.390E-01	-9.386E-01
			1.50	-292.48	-2.793E-01	-3.076E-02	-3.886E-04	-1.641E-01	-3.896E-01

	3.00	-292.14	-2.793E-01	-3.076E-02	-3.886E-04	-5.639E-02	-7.420E-01
101	MAX3 MAX						
	0.00	-153.01	2.662E-01	1.321E-03	1.562E-04	2.552E-01	1.06
	2.00	-152.67	2.662E-01	1.321E-03	1.562E-04	2.078E-01	4.677E-01
	4.00	-152.32	2.662E-01	1.321E-03	1.562E-04	7.797E-02	-3.670E-02
101	MAX3 MIN						
	0.00	-325.25	-1.659E-01	-3.404E-03	-1.561E-04	-3.163E-01	-9.286E-01
	2.00	-324.78	-1.659E-01	-3.404E-03	-1.561E-04	-2.515E-01	-5.446E-01
	4.00	-324.32	-1.659E-01	-3.404E-03	-1.561E-04	-8.714E-02	-2.603E-01
102	MAX3 MAX						
	0.00	-136.42	6.641E-01	4.418E-02	3.889E-04	1.727E-01	1.42
	1.50	-136.16	6.641E-01	4.418E-02	3.889E-04	1.196E-01	3.056E-01
	3.00	-135.90	6.641E-01	4.418E-02	3.889E-04	4.178E-02	1.728E-01
102	MAX3 MIN						
	0.00	-290.21	-2.487E-01	-4.949E-02	-3.886E-04	-2.677E-01	-8.511E-01
	1.50	-289.86	-2.487E-01	-4.949E-02	-3.886E-04	-1.743E-01	-3.570E-01
	3.00	-289.51	-2.487E-01	-4.949E-02	-3.886E-04	-4.502E-02	-8.456E-01
111	MAX3 MAX						
	0.00	-80.13	5.098E-02	5.945E-01	6.791E-05	6.692E-01	3.771E-01
	2.00	-79.90	5.098E-02	3.551E-01	6.791E-05	-3.623E-02	2.486E-01
	4.00	-79.67	5.098E-02	7.919E-01	6.791E-05	-5.263E-01	8.340E-02
111	MAX3 MIN						
	0.00	-167.89	-6.339E-02	-2.563E-01	-6.786E-05	-4.170E-02	-3.933E-01
	2.00	-167.57	-6.339E-02	2.237E-01	-6.786E-05	-3.408E-01	-2.392E-01
	4.00	-167.26	-6.339E-02	2.626E-02	-6.786E-05	-1.14	-4.999E-02
112	MAX3 MAX						
	0.00	-71.68	2.803E-02	1.15	1.691E-04	1.69	2.488E-01
	1.50	-71.50	2.803E-02	9.773E-01	1.691E-04	1.562E-01	1.474E-01
	3.00	-71.33	2.803E-02	1.33	1.691E-04	-8.867E-01	8.397E-02
112	MAX3 MIN						
	0.00	-150.15	-8.224E-02	3.551E-01	-1.689E-04	8.931E-01	-3.233E-01
	1.50	-149.91	-8.224E-02	6.954E-01	-1.689E-04	1.523E-02	-1.403E-01
	3.00	-149.68	-8.224E-02	5.402E-01	-1.689E-04	-1.55	3.016E-02
121	MAX3 MAX						
	0.00	-80.73	5.532E-02	2.626E-01	6.791E-05	2.610E-02	4.605E-01
	2.00	-80.50	5.532E-02	-2.174E-01	6.791E-05	3.074E-01	3.162E-01
	4.00	-80.27	5.532E-02	-2.147E-02	6.791E-05	1.11	1.237E-01
121	MAX3 MIN						
	0.00	-169.49	-5.532E-02	-5.878E-01	-6.786E-05	-6.926E-01	-4.604E-01
	2.00	-169.17	-5.532E-02	-3.478E-01	-6.786E-05	1.244E-02	-3.161E-01
	4.00	-168.86	-5.532E-02	-7.837E-01	-6.786E-05	5.086E-01	-1.236E-01
122	MAX3 MAX						
	0.00	-72.26	4.009E-02	-3.369E-01	1.691E-04	-9.012E-01	3.379E-01
	1.50	-72.09	4.009E-02	-6.955E-01	1.691E-04	-3.939E-02	2.009E-01
	3.00	-71.91	4.009E-02	-5.281E-01	1.691E-04	1.52	4.819E-02
122	MAX3 MIN						
	0.00	-151.71	-4.012E-02	-1.13	-1.689E-04	-1.71	-3.378E-01
	1.50	-151.47	-4.012E-02	-9.548E-01	-1.689E-04	-1.795E-01	-2.007E-01
	3.00	-151.23	-4.012E-02	-1.30	-1.689E-04	8.679E-01	-4.803E-02
151	MAX3 MAX						
	0.00	-80.63	5.054E-02	5.898E-01	6.791E-05	6.626E-01	3.766E-01
	2.00	-80.39	5.054E-02	3.498E-01	6.791E-05	-3.312E-02	2.479E-01
	4.00	-80.16	5.054E-02	7.864E-01	6.791E-05	-5.176E-01	8.113E-02
151	MAX3 MIN						
	0.00	-168.97	-5.052E-02	-2.605E-01	-6.786E-05	-4.757E-02	-3.764E-01
	2.00	-168.65	-5.052E-02	2.195E-01	-6.786E-05	-3.352E-01	-2.479E-01
	4.00	-168.34	-5.052E-02	2.289E-02	-6.786E-05	-1.12	-8.112E-02
152	MAX3 MAX						
	0.00	-72.16	2.892E-02	1.13	1.691E-04	1.66	2.489E-01
	1.50	-71.99	2.892E-02	9.529E-01	1.691E-04	1.565E-01	1.453E-01
	3.00	-71.81	2.892E-02	1.30	1.691E-04	-8.650E-01	3.018E-02
152	MAX3 MIN						
	0.00	-151.21	-2.890E-02	3.377E-01	-1.689E-04	8.682E-01	-2.488E-01
	1.50	-150.97	-2.890E-02	6.877E-01	-1.689E-04	1.745E-02	-1.452E-01
	3.00	-150.73	-2.890E-02	5.263E-01	-1.689E-04	-1.52	-3.014E-02
161	MAX3 MAX						
	0.00	-80.73	5.527E-02	2.626E-01	6.791E-05	2.607E-02	4.605E-01
	2.00	-80.50	5.527E-02	-2.174E-01	6.791E-05	3.075E-01	3.162E-01
	4.00	-80.27	5.527E-02	-2.147E-02	6.791E-05	1.11	1.237E-01
161	MAX3 MIN						
	0.00	-169.49	-5.527E-02	-5.877E-01	-6.786E-05	-6.926E-01	-4.604E-01
	2.00	-169.17	-5.527E-02	-3.477E-01	-6.786E-05	1.247E-02	-3.161E-01
	4.00	-168.86	-5.527E-02	-7.837E-01	-6.786E-05	5.086E-01	-1.235E-01
162	MAX3 MAX						
	0.00	-72.26	4.005E-02	-3.369E-01	1.691E-04	-9.012E-01	3.380E-01
	1.50	-72.09	4.005E-02	-6.954E-01	1.691E-04	-3.942E-02	2.008E-01
	3.00	-71.91	4.005E-02	-5.281E-01	1.691E-04	1.52	4.808E-02
162	MAX3 MIN						
	0.00	-151.71	-3.998E-02	-1.13	-1.689E-04	-1.71	-3.377E-01

	1.50	-151.47	-3.998E-02	-9.548E-01	-1.689E-04	-1.795E-01	-2.007E-01
	3.00	-151.23	-3.998E-02	-1.30	-1.689E-04	8.680E-01	-4.811E-02
191	MAX3 MAX						
	0.00	-80.63	5.046E-02	5.898E-01	6.791E-05	6.627E-01	3.765E-01
	2.00	-80.39	5.046E-02	3.498E-01	6.791E-05	-3.316E-02	2.480E-01
	4.00	-80.16	5.046E-02	7.864E-01	6.791E-05	-5.175E-01	8.116E-02
191	MAX3 MIN						
	0.00	-168.97	-5.048E-02	-2.605E-01	-6.786E-05	-4.751E-02	-3.764E-01
	2.00	-168.65	-5.048E-02	2.195E-01	-6.786E-05	-3.353E-01	-2.479E-01
	4.00	-168.34	-5.048E-02	2.289E-02	-6.786E-05	-1.12	-8.106E-02
192	MAX3 MAX						
	0.00	-72.16	2.878E-02	1.13	1.691E-04	1.66	2.489E-01
	1.50	-71.99	2.878E-02	9.529E-01	1.691E-04	1.565E-01	1.452E-01
	3.00	-71.81	2.878E-02	1.30	1.691E-04	-8.650E-01	3.019E-02
192	MAX3 MIN						
	0.00	-151.21	-2.880E-02	3.378E-01	-1.689E-04	8.682E-01	-2.488E-01
	1.50	-150.97	-2.880E-02	6.876E-01	-1.689E-04	1.750E-02	-1.452E-01
	3.00	-150.73	-2.880E-02	5.264E-01	-1.689E-04	-1.52	-3.012E-02
211	MAX3 MAX						
	0.00	-152.08	1.734E-01	1.253E-02	1.562E-04	2.691E-01	9.934E-01
	2.00	-151.74	1.734E-01	1.253E-02	1.562E-04	2.004E-01	5.893E-01
	4.00	-151.40	1.734E-01	1.253E-02	1.562E-04	5.298E-02	2.684E-01
211	MAX3 MIN						
	0.00	-327.92	-2.573E-01	6.228E-03	-1.561E-04	-3.040E-01	-1.10
	2.00	-327.46	-2.573E-01	6.228E-03	-1.561E-04	-2.580E-01	-5.245E-01
	4.00	-326.99	-2.573E-01	6.228E-03	-1.561E-04	-1.108E-01	-4.026E-02
212	MAX3 MAX						
	0.00	-135.55	2.777E-01	5.634E-02	3.889E-04	2.058E-01	9.392E-01
	1.50	-135.30	2.777E-01	5.634E-02	3.889E-04	1.295E-01	3.900E-01
	3.00	-135.04	2.777E-01	5.634E-02	3.889E-04	2.679E-02	7.420E-01
212	MAX3 MIN						
	0.00	-292.83	-6.181E-01	-3.247E-02	-3.886E-04	-2.385E-01	-1.41
	1.50	-292.49	-6.181E-01	-3.247E-02	-3.886E-04	-1.641E-01	-3.509E-01
	3.00	-292.14	-6.181E-01	-3.247E-02	-3.886E-04	-5.624E-02	-1.938E-01
231	MAX3 MAX						
	0.00	-80.13	6.361E-02	5.945E-01	6.791E-05	6.689E-01	3.936E-01
	2.00	-79.90	6.361E-02	3.551E-01	6.791E-05	-3.603E-02	2.393E-01
	4.00	-79.67	6.361E-02	7.918E-01	6.791E-05	-5.264E-01	5.012E-02
231	MAX3 MIN						
	0.00	-167.89	-5.119E-02	-2.564E-01	-6.786E-05	-4.194E-02	-3.772E-01
	2.00	-167.57	-5.119E-02	2.236E-01	-6.786E-05	-3.405E-01	-2.484E-01
	4.00	-167.26	-5.119E-02	2.625E-02	-6.786E-05	-1.14	-8.342E-02
232	MAX3 MAX						
	0.00	-71.68	8.266E-02	1.15	1.691E-04	1.69	3.235E-01
	1.50	-71.50	8.266E-02	9.771E-01	1.691E-04	1.560E-01	1.404E-01
	3.00	-71.33	8.266E-02	1.33	1.691E-04	-8.866E-01	-3.013E-02
232	MAX3 MIN						
	0.00	-150.15	-2.844E-02	3.549E-01	-1.689E-04	8.930E-01	-2.488E-01
	1.50	-149.91	-2.844E-02	6.958E-01	-1.689E-04	1.515E-02	-1.473E-01
	3.00	-149.68	-2.844E-02	5.402E-01	-1.689E-04	-1.55	-8.387E-02
251	MAX3 MAX						
	0.00	-161.21	1.755E-01	6.551E-03	1.562E-04	2.558E-01	9.978E-01
	2.00	-160.86	1.755E-01	6.551E-03	1.562E-04	2.073E-01	5.850E-01
	4.00	-160.52	1.755E-01	6.551E-03	1.562E-04	7.426E-02	1.116E-01
251	MAX3 MIN						
	0.00	-336.26	-2.121E-01	-6.657E-03	-1.561E-04	-3.139E-01	-1.04
	2.00	-335.79	-2.121E-01	-6.657E-03	-1.561E-04	-2.526E-01	-5.565E-01
	4.00	-335.33	-2.121E-01	-6.657E-03	-1.561E-04	-8.824E-02	3.139E-03
252	MAX3 MAX						
	0.00	-144.21	3.473E-01	4.067E-02	3.889E-04	1.654E-01	1.01
	1.50	-143.96	3.473E-01	4.067E-02	3.889E-04	1.264E-01	3.498E-01
	3.00	-143.70	3.473E-01	4.067E-02	3.889E-04	6.469E-02	3.155E-01
252	MAX3 MIN						
	0.00	-300.58	-3.694E-01	-6.401E-02	-3.886E-04	-2.761E-01	-1.11
	1.50	-300.23	-3.694E-01	-6.401E-02	-3.886E-04	-1.672E-01	-4.101E-01
	3.00	-299.89	-3.694E-01	-6.401E-02	-3.886E-04	-2.704E-02	-3.405E-01
291	MAX3 MAX						
	0.00	-70.03	1.53	-8.257E-02	6.791E-05	1.017E-02	1.84
	2.00	-69.80	1.23	-8.257E-02	6.791E-05	1.591E-01	-1.213E-01
	4.00	-69.57	1.78	-8.257E-02	6.791E-05	3.657E-01	-1.21
291	MAX3 MIN						
	0.00	-160.76	-2.489E-01	-1.452E-01	-6.786E-05	-3.250E-01	8.749E-02
	2.00	-160.44	4.320E-01	-1.452E-01	-6.786E-05	-2.868E-02	-9.602E-01
	4.00	-160.13	1.928E-01	-1.452E-01	-6.786E-05	2.379E-01	-3.49
292	MAX3 MAX						
	0.00	-62.31	3.65	-2.389E-01	1.691E-04	-2.655E-01	5.65
	1.50	-62.14	3.54	-2.389E-01	1.691E-04	2.017E-02	3.849E-01
	3.00	-61.96	3.84	-2.389E-01	1.691E-04	7.401E-01	-1.95
292	MAX3 MIN						

	0.00	-143.84	9.306E-01	-4.979E-01	-1.689E-04	-8.198E-01	1.90
	1.50	-143.60	1.34	-4.979E-01	-1.689E-04	-7.891E-02	-2.692E-02
	3.00	-143.37	1.26	-4.979E-01	-1.689E-04	2.998E-01	-5.01
331	MAX3	MAX					
	0.00	0.00	-3.02	0.00	-1.290E-04	0.00	-1.92
	1.00	0.00	-1.48	0.00	-1.290E-04	0.00	5.770E-01
	2.00	0.00	6.748E-02	0.00	-1.290E-04	0.00	2.45
	3.00	0.00	3.62	0.00	-1.290E-04	0.00	6.636E-01
	4.00	0.00	7.28	0.00	-1.290E-04	0.00	-1.84
331	MAX3	MIN					
	0.00	0.00	-7.36	0.00	-2.145E-04	0.00	-4.96
	1.00	0.00	-3.70	0.00	-2.145E-04	0.00	1.529E-01
	2.00	0.00	-1.138E-01	0.00	-2.145E-04	0.00	1.03
	3.00	0.00	1.44	0.00	-2.145E-04	0.00	1.939E-01
	4.00	0.00	2.98	0.00	-2.145E-04	0.00	-4.78
341	MAX3	MAX					
	0.00	0.00	-3.04	0.00	6.960E-06	0.00	-1.95
	1.00	0.00	-1.49	0.00	6.960E-06	0.00	6.107E-01
	2.00	0.00	5.358E-02	0.00	6.960E-06	0.00	2.44
	3.00	0.00	3.66	0.00	6.960E-06	0.00	6.103E-01
	4.00	0.00	7.32	0.00	6.960E-06	0.00	-1.95
341	MAX3	MIN					
	0.00	0.00	-7.32	0.00	-3.022E-06	0.00	-4.88
	1.00	0.00	-3.66	0.00	-3.022E-06	0.00	2.047E-01
	2.00	0.00	-5.334E-02	0.00	-3.022E-06	0.00	1.03
	3.00	0.00	1.49	0.00	-3.022E-06	0.00	2.037E-01
	4.00	0.00	3.04	0.00	-3.022E-06	0.00	-4.88
342	MAX3	MAX					
	0.00	0.00	-3.01	0.00	1.106E-05	0.00	-1.90
	1.00	0.00	-1.47	0.00	1.106E-05	0.00	6.111E-01
	2.00	0.00	7.959E-02	0.00	1.106E-05	0.00	2.44
	3.00	0.00	3.66	0.00	1.106E-05	0.00	6.105E-01
	4.00	0.00	7.32	0.00	1.106E-05	0.00	-1.90
342	MAX3	MIN					
	0.00	0.00	-7.32	0.00	-5.000E-06	0.00	-4.88
	1.00	0.00	-3.66	0.00	-5.000E-06	0.00	1.790E-01
	2.00	0.00	-7.927E-02	0.00	-5.000E-06	0.00	1.03
	3.00	0.00	1.47	0.00	-5.000E-06	0.00	1.778E-01
	4.00	0.00	3.01	0.00	-5.000E-06	0.00	-4.88
351	MAX3	MAX					
	0.00	0.00	-3.04	0.00	7.076E-06	0.00	-1.95
	1.00	0.00	-1.49	0.00	7.076E-06	0.00	6.101E-01
	2.00	0.00	5.349E-02	0.00	7.076E-06	0.00	2.44
	3.00	0.00	3.66	0.00	7.076E-06	0.00	6.100E-01
	4.00	0.00	7.32	0.00	7.076E-06	0.00	-1.95
351	MAX3	MIN					
	0.00	0.00	-7.32	0.00	-7.103E-06	0.00	-4.88
	1.00	0.00	-3.66	0.00	-7.103E-06	0.00	2.040E-01
	2.00	0.00	-5.346E-02	0.00	-7.103E-06	0.00	1.03
	3.00	0.00	1.49	0.00	-7.103E-06	0.00	2.040E-01
	4.00	0.00	3.04	0.00	-7.103E-06	0.00	-4.88
352	MAX3	MAX					
	0.00	0.00	-3.01	0.00	1.120E-05	0.00	-1.90
	1.00	0.00	-1.47	0.00	1.120E-05	0.00	6.101E-01
	2.00	0.00	7.927E-02	0.00	1.120E-05	0.00	2.44
	3.00	0.00	3.66	0.00	1.120E-05	0.00	6.100E-01
	4.00	0.00	7.32	0.00	1.120E-05	0.00	-1.90
352	MAX3	MIN					
	0.00	0.00	-7.32	0.00	-1.121E-05	0.00	-4.88
	1.00	0.00	-3.66	0.00	-1.121E-05	0.00	1.782E-01
	2.00	0.00	-7.923E-02	0.00	-1.121E-05	0.00	1.03
	3.00	0.00	1.47	0.00	-1.121E-05	0.00	1.782E-01
	4.00	0.00	3.01	0.00	-1.121E-05	0.00	-4.88
361	MAX3	MAX					
	0.00	0.00	-3.04	0.00	3.146E-06	0.00	-1.95
	1.00	0.00	-1.49	0.00	3.146E-06	0.00	6.103E-01
	2.00	0.00	5.336E-02	0.00	3.146E-06	0.00	2.44
	3.00	0.00	3.66	0.00	3.146E-06	0.00	6.107E-01
	4.00	0.00	7.32	0.00	3.146E-06	0.00	-1.95
361	MAX3	MIN					
	0.00	0.00	-7.32	0.00	-6.835E-06	0.00	-4.88
	1.00	0.00	-3.66	0.00	-6.835E-06	0.00	2.038E-01
	2.00	0.00	-5.355E-02	0.00	-6.835E-06	0.00	1.03
	3.00	0.00	1.49	0.00	-6.835E-06	0.00	2.047E-01
	4.00	0.00	3.04	0.00	-6.835E-06	0.00	-4.88
371	MAX3	MAX					
	0.00	0.00	-2.98	0.00	2.146E-04	0.00	-1.84
	1.00	0.00	-1.44	0.00	2.146E-04	0.00	6.637E-01
	2.00	0.00	1.138E-01	0.00	2.146E-04	0.00	2.45
	3.00	0.00	3.70	0.00	2.146E-04	0.00	5.770E-01
	4.00	0.00	7.36	0.00	2.146E-04	0.00	-1.92
371	MAX3	MIN					

	0.00	0.00	-7.28	0.00	1.292E-04	0.00	-4.78
	1.00	0.00	-3.62	0.00	1.292E-04	0.00	1.939E-01
	2.00	0.00	-6.744E-02	0.00	1.292E-04	0.00	1.03
	3.00	0.00	1.48	0.00	1.292E-04	0.00	1.530E-01
	4.00	0.00	3.02	0.00	1.292E-04	0.00	-4.96
391	MAX3	MAX					
	0.00	0.00	-5.87	0.00	1.287E-03	0.00	-3.31
	1.00	0.00	-2.76	0.00	1.287E-03	0.00	1.82
	2.00	0.00	3.930E-01	0.00	1.287E-03	0.00	5.22
	3.00	0.00	7.63	0.00	1.287E-03	0.00	1.26
	4.00	0.00	14.98	0.00	1.287E-03	0.00	-3.74
391	MAX3	MIN					
	0.00	0.00	-14.43	0.00	6.605E-04	0.00	-8.93
	1.00	0.00	-7.07	0.00	6.605E-04	0.00	5.141E-01
	2.00	0.00	-1.378E-01	0.00	6.605E-04	0.00	2.20
	3.00	0.00	2.97	0.00	6.605E-04	0.00	2.989E-01
	4.00	0.00	6.09	0.00	6.605E-04	0.00	-10.04
392	MAX3	MAX					
	0.00	0.00	-5.85	0.00	9.608E-04	0.00	-3.32
	1.00	0.00	-2.74	0.00	9.608E-04	0.00	1.49
	2.00	0.00	3.824E-01	0.00	9.608E-04	0.00	5.12
	3.00	0.00	7.40	0.00	9.608E-04	0.00	1.39
	4.00	0.00	14.75	0.00	9.608E-04	0.00	-3.33
392	MAX3	MIN					
	0.00	0.00	-14.66	0.00	3.562E-04	0.00	-9.49
	1.00	0.00	-7.30	0.00	3.562E-04	0.00	2.475E-01
	2.00	0.00	-3.624E-01	0.00	3.562E-04	0.00	2.16
	3.00	0.00	2.75	0.00	3.562E-04	0.00	2.411E-01
	4.00	0.00	5.86	0.00	3.562E-04	0.00	-9.68
401	MAX3	MAX					
	0.00	0.00	-5.97	0.00	1.151E-04	0.00	-3.63
	1.00	0.00	-2.85	0.00	1.151E-04	0.00	1.22
	2.00	0.00	2.574E-01	0.00	1.151E-04	0.00	4.91
	3.00	0.00	7.34	0.00	1.151E-04	0.00	1.24
	4.00	0.00	14.70	0.00	1.151E-04	0.00	-3.62
401	MAX3	MIN					
	0.00	0.00	-14.71	0.00	-4.610E-05	0.00	-9.81
	1.00	0.00	-7.36	0.00	-4.610E-05	0.00	2.561E-01
	2.00	0.00	-2.641E-01	0.00	-4.610E-05	0.00	2.07
	3.00	0.00	2.85	0.00	-4.610E-05	0.00	2.662E-01
	4.00	0.00	5.96	0.00	-4.610E-05	0.00	-9.78
402	MAX3	MAX					
	0.00	0.00	-5.83	0.00	1.437E-04	0.00	-3.35
	1.00	0.00	-2.72	0.00	1.437E-04	0.00	1.25
	2.00	0.00	3.960E-01	0.00	1.437E-04	0.00	4.92
	3.00	0.00	7.36	0.00	1.437E-04	0.00	1.23
	4.00	0.00	14.71	0.00	1.437E-04	0.00	-3.37
402	MAX3	MIN					
	0.00	0.00	-14.70	0.00	-1.014E-04	0.00	-9.77
	1.00	0.00	-7.34	0.00	-1.014E-04	0.00	1.350E-01
	2.00	0.00	-3.887E-01	0.00	-1.014E-04	0.00	2.07
	3.00	0.00	2.72	0.00	-1.014E-04	0.00	1.345E-01
	4.00	0.00	5.84	0.00	-1.014E-04	0.00	-9.80
411	MAX3	MAX					
	0.00	0.00	-5.74	0.00	4.966E-04	0.00	-3.18
	1.00	0.00	-2.63	0.00	4.966E-04	0.00	1.56
	2.00	0.00	5.206E-01	0.00	4.966E-04	0.00	4.90
	3.00	0.00	7.69	0.00	4.966E-04	0.00	8.911E-01
	4.00	0.00	15.04	0.00	4.966E-04	0.00	-3.82
411	MAX3	MIN					
	0.00	0.00	-14.37	0.00	2.289E-04	0.00	-9.13
	1.00	0.00	-7.02	0.00	2.289E-04	0.00	3.609E-01
	2.00	0.00	-1.609E-01	0.00	2.289E-04	0.00	2.07
	3.00	0.00	2.95	0.00	2.289E-04	0.00	3.159E-02
	4.00	0.00	6.06	0.00	2.289E-04	0.00	-10.47
412	MAX3	MAX					
	0.00	0.00	-5.45	0.00	4.819E-04	0.00	-2.60
	1.00	0.00	-2.34	0.00	4.819E-04	0.00	1.80
	2.00	0.00	8.340E-01	0.00	4.819E-04	0.00	4.90
	3.00	0.00	7.92	0.00	4.819E-04	0.00	8.420E-01
	4.00	0.00	15.27	0.00	4.819E-04	0.00	-3.70
412	MAX3	MIN					
	0.00	0.00	-14.13	0.00	2.076E-04	0.00	-8.65
	1.00	0.00	-6.78	0.00	2.076E-04	0.00	3.007E-01
	2.00	0.00	-2.215E-01	0.00	2.076E-04	0.00	2.07
	3.00	0.00	2.89	0.00	2.076E-04	0.00	-2.560E-01
	4.00	0.00	6.00	0.00	2.076E-04	0.00	-10.94
421	MAX3	MAX					
	0.00	0.00	-6.10	0.00	1.389E-04	0.00	-3.91
	1.00	0.00	-2.99	0.00	1.389E-04	0.00	1.20
	2.00	0.00	1.240E-01	0.00	1.389E-04	0.00	4.88
	3.00	0.00	7.35	0.00	1.389E-04	0.00	1.20

421	MAX3 MIN	4.00	0.00	14.70	0.00	1.389E-04	0.00	-3.91
		0.00	0.00	-14.70	0.00	-1.389E-04	0.00	-9.82
		1.00	0.00	-7.35	0.00	-1.389E-04	0.00	3.840E-01
		2.00	0.00	-1.240E-01	0.00	-1.389E-04	0.00	2.05
		3.00	0.00	2.99	0.00	-1.389E-04	0.00	3.835E-01
		4.00	0.00	6.10	0.00	-1.389E-04	0.00	-9.82
422	MAX3 MAX	0.00	0.00	-6.07	0.00	1.266E-04	0.00	-3.86
		1.00	0.00	-2.96	0.00	1.266E-04	0.00	1.19
		2.00	0.00	1.525E-01	0.00	1.266E-04	0.00	4.87
		3.00	0.00	7.35	0.00	1.266E-04	0.00	1.19
		4.00	0.00	14.70	0.00	1.266E-04	0.00	-3.86
422	MAX3 MIN	0.00	0.00	-14.70	0.00	-1.266E-04	0.00	-9.84
		1.00	0.00	-7.35	0.00	-1.266E-04	0.00	3.495E-01
		2.00	0.00	-1.525E-01	0.00	-1.266E-04	0.00	2.04
		3.00	0.00	2.96	0.00	-1.266E-04	0.00	3.495E-01
		4.00	0.00	6.07	0.00	-1.266E-04	0.00	-9.84
431	MAX3 MAX	0.00	0.00	-6.06	0.00	-2.294E-04	0.00	-3.82
		1.00	0.00	-2.95	0.00	-2.294E-04	0.00	8.915E-01
		2.00	0.00	1.614E-01	0.00	-2.294E-04	0.00	4.90
		3.00	0.00	7.02	0.00	-2.294E-04	0.00	1.56
		4.00	0.00	14.37	0.00	-2.294E-04	0.00	-3.18
431	MAX3 MIN	0.00	0.00	-15.04	0.00	-4.967E-04	0.00	-10.47
		1.00	0.00	-7.69	0.00	-4.967E-04	0.00	3.125E-02
		2.00	0.00	-5.207E-01	0.00	-4.967E-04	0.00	2.07
		3.00	0.00	2.63	0.00	-4.967E-04	0.00	3.607E-01
		4.00	0.00	5.74	0.00	-4.967E-04	0.00	-9.13
432	MAX3 MAX	0.00	0.00	-6.00	0.00	-2.077E-04	0.00	-3.70
		1.00	0.00	-2.89	0.00	-2.077E-04	0.00	8.424E-01
		2.00	0.00	2.218E-01	0.00	-2.077E-04	0.00	4.90
		3.00	0.00	6.78	0.00	-2.077E-04	0.00	1.80
		4.00	0.00	14.13	0.00	-2.077E-04	0.00	-2.60
432	MAX3 MIN	0.00	0.00	-15.27	0.00	-4.822E-04	0.00	-10.94
		1.00	0.00	-7.92	0.00	-4.822E-04	0.00	-2.558E-01
		2.00	0.00	-8.337E-01	0.00	-4.822E-04	0.00	2.07
		3.00	0.00	2.34	0.00	-4.822E-04	0.00	3.004E-01
		4.00	0.00	5.45	0.00	-4.822E-04	0.00	-8.66
441	MAX3 MAX	0.00	0.00	-5.96	0.00	4.606E-05	0.00	-3.62
		1.00	0.00	-2.85	0.00	4.606E-05	0.00	1.24
		2.00	0.00	2.642E-01	0.00	4.606E-05	0.00	4.91
		3.00	0.00	7.36	0.00	4.606E-05	0.00	1.22
		4.00	0.00	14.71	0.00	4.606E-05	0.00	-3.63
441	MAX3 MIN	0.00	0.00	-14.70	0.00	-1.152E-04	0.00	-9.78
		1.00	0.00	-7.34	0.00	-1.152E-04	0.00	2.664E-01
		2.00	0.00	-2.573E-01	0.00	-1.152E-04	0.00	2.07
		3.00	0.00	2.85	0.00	-1.152E-04	0.00	2.560E-01
		4.00	0.00	5.97	0.00	-1.152E-04	0.00	-9.81
442	MAX3 MAX	0.00	0.00	-5.84	0.00	1.011E-04	0.00	-3.37
		1.00	0.00	-2.72	0.00	1.011E-04	0.00	1.23
		2.00	0.00	3.889E-01	0.00	1.011E-04	0.00	4.92
		3.00	0.00	7.34	0.00	1.011E-04	0.00	1.25
		4.00	0.00	14.70	0.00	1.011E-04	0.00	-3.35
442	MAX3 MIN	0.00	0.00	-14.71	0.00	-1.438E-04	0.00	-9.80
		1.00	0.00	-7.36	0.00	-1.438E-04	0.00	1.348E-01
		2.00	0.00	-3.958E-01	0.00	-1.438E-04	0.00	2.07
		3.00	0.00	2.72	0.00	-1.438E-04	0.00	1.348E-01
		4.00	0.00	5.83	0.00	-1.438E-04	0.00	-9.77
451	MAX3 MAX	0.00	0.00	-6.09	0.00	-6.762E-04	0.00	-3.74
		1.00	0.00	-2.97	0.00	-6.762E-04	0.00	1.27
		2.00	0.00	1.377E-01	0.00	-6.762E-04	0.00	5.22
		3.00	0.00	7.08	0.00	-6.762E-04	0.00	1.82
		4.00	0.00	14.43	0.00	-6.762E-04	0.00	-3.31
451	MAX3 MIN	0.00	0.00	-14.98	0.00	-1.251E-03	0.00	-10.04
		1.00	0.00	-7.63	0.00	-1.251E-03	0.00	3.006E-01
		2.00	0.00	-3.912E-01	0.00	-1.251E-03	0.00	2.20
		3.00	0.00	2.76	0.00	-1.251E-03	0.00	5.144E-01
		4.00	0.00	5.87	0.00	-1.251E-03	0.00	-8.94
452	MAX3 MAX	0.00	0.00	-5.86	0.00	-3.074E-04	0.00	-3.33
		1.00	0.00	-2.75	0.00	-3.074E-04	0.00	1.40

	2.00	0.00	3.626E-01	0.00	-3.074E-04	0.00	5.12
	3.00	0.00	7.31	0.00	-3.074E-04	0.00	1.48
	4.00	0.00	14.66	0.00	-3.074E-04	0.00	-3.32
452	MAX3 MIN						
	0.00	0.00	-14.74	0.00	-1.110E-03	0.00	-9.67
	1.00	0.00	-7.39	0.00	-1.110E-03	0.00	2.443E-01
	2.00	0.00	-3.786E-01	0.00	-1.110E-03	0.00	2.16
	3.00	0.00	2.75	0.00	-1.110E-03	0.00	2.473E-01
	4.00	0.00	5.86	0.00	-1.110E-03	0.00	-9.50
461	MAX3 MAX						
	0.00	0.00	-5.89	0.00	-6.179E-04	0.00	-3.34
	1.00	0.00	-2.77	0.00	-6.179E-04	0.00	1.82
	2.00	0.00	3.786E-01	0.00	-6.179E-04	0.00	5.22
	3.00	0.00	7.63	0.00	-6.179E-04	0.00	1.26
	4.00	0.00	14.98	0.00	-6.179E-04	0.00	-3.78
461	MAX3 MIN						
	0.00	0.00	-14.42	0.00	-1.194E-03	0.00	-8.93
	1.00	0.00	-7.07	0.00	-1.194E-03	0.00	5.320E-01
	2.00	0.00	-1.200E-01	0.00	-1.194E-03	0.00	2.20
	3.00	0.00	2.99	0.00	-1.194E-03	0.00	3.136E-01
	4.00	0.00	6.10	0.00	-1.194E-03	0.00	-10.05
462	MAX3 MAX						
	0.00	0.00	-5.88	0.00	-2.991E-04	0.00	-3.36
	1.00	0.00	-2.77	0.00	-2.991E-04	0.00	1.49
	2.00	0.00	3.594E-01	0.00	-2.991E-04	0.00	5.12
	3.00	0.00	7.40	0.00	-2.991E-04	0.00	1.39
	4.00	0.00	14.76	0.00	-2.991E-04	0.00	-3.39
462	MAX3 MIN						
	0.00	0.00	-14.65	0.00	-8.350E-04	0.00	-9.48
	1.00	0.00	-7.30	0.00	-8.350E-04	0.00	2.768E-01
	2.00	0.00	-3.332E-01	0.00	-8.350E-04	0.00	2.16
	3.00	0.00	2.78	0.00	-8.350E-04	0.00	2.647E-01
	4.00	0.00	5.89	0.00	-8.350E-04	0.00	-9.69
471	MAX3 MAX						
	0.00	0.00	-5.99	0.00	1.895E-05	0.00	-3.67
	1.00	0.00	-2.87	0.00	1.895E-05	0.00	1.23
	2.00	0.00	2.373E-01	0.00	1.895E-05	0.00	4.91
	3.00	0.00	7.35	0.00	1.895E-05	0.00	1.24
	4.00	0.00	14.70	0.00	1.895E-05	0.00	-3.67
471	MAX3 MIN						
	0.00	0.00	-14.71	0.00	-8.883E-05	0.00	-9.81
	1.00	0.00	-7.36	0.00	-8.883E-05	0.00	2.772E-01
	2.00	0.00	-2.425E-01	0.00	-8.883E-05	0.00	2.07
	3.00	0.00	2.87	0.00	-8.883E-05	0.00	2.882E-01
	4.00	0.00	5.98	0.00	-8.883E-05	0.00	-9.78
472	MAX3 MAX						
	0.00	0.00	-5.86	0.00	6.963E-05	0.00	-3.41
	1.00	0.00	-2.75	0.00	6.963E-05	0.00	1.25
	2.00	0.00	3.641E-01	0.00	6.963E-05	0.00	4.92
	3.00	0.00	7.36	0.00	6.963E-05	0.00	1.24
	4.00	0.00	14.71	0.00	6.963E-05	0.00	-3.44
472	MAX3 MIN						
	0.00	0.00	-14.69	0.00	-1.131E-04	0.00	-9.76
	1.00	0.00	-7.34	0.00	-1.131E-04	0.00	1.696E-01
	2.00	0.00	-3.542E-01	0.00	-1.131E-04	0.00	2.08
	3.00	0.00	2.76	0.00	-1.131E-04	0.00	1.696E-01
	4.00	0.00	5.87	0.00	-1.131E-04	0.00	-9.80
481	MAX3 MAX						
	0.00	0.00	-5.69	0.00	-5.416E-06	0.00	-3.08
	1.00	0.00	-2.58	0.00	-5.416E-06	0.00	1.65
	2.00	0.00	5.743E-01	0.00	-5.416E-06	0.00	4.94
	3.00	0.00	7.74	0.00	-5.416E-06	0.00	8.765E-01
	4.00	0.00	15.09	0.00	-5.416E-06	0.00	-3.81
481	MAX3 MIN						
	0.00	0.00	-14.31	0.00	-1.441E-04	0.00	-8.99
	1.00	0.00	-6.96	0.00	-1.441E-04	0.00	3.819E-01
	2.00	0.00	-1.596E-01	0.00	-1.441E-04	0.00	2.08
	3.00	0.00	2.95	0.00	-1.441E-04	0.00	-7.898E-03
	4.00	0.00	6.06	0.00	-1.441E-04	0.00	-10.54
482	MAX3 MAX						
	0.00	0.00	-5.36	0.00	-7.246E-06	0.00	-2.42
	1.00	0.00	-2.25	0.00	-7.246E-06	0.00	1.95
	2.00	0.00	9.411E-01	0.00	-7.246E-06	0.00	4.93
	3.00	0.00	8.05	0.00	-7.246E-06	0.00	8.326E-01
	4.00	0.00	15.40	0.00	-7.246E-06	0.00	-3.72
482	MAX3 MIN						
	0.00	0.00	-14.00	0.00	-1.938E-04	0.00	-8.37
	1.00	0.00	-6.65	0.00	-1.938E-04	0.00	3.473E-01
	2.00	0.00	-1.992E-01	0.00	-1.938E-04	0.00	2.07
	3.00	0.00	2.91	0.00	-1.938E-04	0.00	-3.512E-01
	4.00	0.00	6.02	0.00	-1.938E-04	0.00	-11.17
541	MAX3 MAX						

	0.00	0.00	-3.04	0.00	2.134E-04	0.00	-1.97
	1.00	0.00	-1.50	0.00	2.134E-04	0.00	5.739E-01
	2.00	0.00	4.441E-02	0.00	2.134E-04	0.00	2.45
	3.00	0.00	3.61	0.00	2.134E-04	0.00	6.669E-01
	4.00	0.00	7.27	0.00	2.134E-04	0.00	-1.88
541	MAX3 MIN						
	0.00	0.00	-7.37	0.00	1.281E-04	0.00	-4.96
	1.00	0.00	-3.71	0.00	1.281E-04	0.00	1.732E-01
	2.00	0.00	-9.388E-02	0.00	1.281E-04	0.00	1.03
	3.00	0.00	1.46	0.00	1.281E-04	0.00	2.171E-01
	4.00	0.00	3.00	0.00	1.281E-04	0.00	-4.78
542	MAX3 MAX						
	0.00	0.00	-3.03	0.00	1.282E-04	0.00	-1.94
	1.00	0.00	-1.49	0.00	1.282E-04	0.00	5.258E-01
	2.00	0.00	5.782E-02	0.00	1.282E-04	0.00	2.45
	3.00	0.00	3.57	0.00	1.282E-04	0.00	7.102E-01
	4.00	0.00	7.23	0.00	1.282E-04	0.00	-1.77
542	MAX3 MIN						
	0.00	0.00	-7.41	0.00	7.320E-05	0.00	-5.06
	1.00	0.00	-3.75	0.00	7.320E-05	0.00	1.151E-01
	2.00	0.00	-1.547E-01	0.00	7.320E-05	0.00	1.03
	3.00	0.00	1.40	0.00	7.320E-05	0.00	2.041E-01
	4.00	0.00	2.94	0.00	7.320E-05	0.00	-4.69
551	MAX3 MAX						
	0.00	0.00	-3.05	0.00	4.042E-06	0.00	-1.98
	1.00	0.00	-1.50	0.00	4.042E-06	0.00	6.108E-01
	2.00	0.00	4.206E-02	0.00	4.042E-06	0.00	2.44
	3.00	0.00	3.66	0.00	4.042E-06	0.00	6.103E-01
	4.00	0.00	7.32	0.00	4.042E-06	0.00	-1.98
551	MAX3 MIN						
	0.00	0.00	-7.32	0.00	-1.031E-05	0.00	-4.88
	1.00	0.00	-3.66	0.00	-1.031E-05	0.00	2.162E-01
	2.00	0.00	-4.175E-02	0.00	-1.031E-05	0.00	1.03
	3.00	0.00	1.50	0.00	-1.031E-05	0.00	2.154E-01
	4.00	0.00	3.05	0.00	-1.031E-05	0.00	-4.88
552	MAX3 MAX						
	0.00	0.00	-3.03	0.00	6.799E-06	0.00	-1.94
	1.00	0.00	-1.48	0.00	6.799E-06	0.00	6.113E-01
	2.00	0.00	6.090E-02	0.00	6.799E-06	0.00	2.44
	3.00	0.00	3.66	0.00	6.799E-06	0.00	6.104E-01
	4.00	0.00	7.32	0.00	6.799E-06	0.00	-1.94
552	MAX3 MIN						
	0.00	0.00	-7.32	0.00	-1.501E-05	0.00	-4.88
	1.00	0.00	-3.66	0.00	-1.501E-05	0.00	1.977E-01
	2.00	0.00	-6.047E-02	0.00	-1.501E-05	0.00	1.03
	3.00	0.00	1.48	0.00	-1.501E-05	0.00	1.966E-01
	4.00	0.00	3.03	0.00	-1.501E-05	0.00	-4.88
561	MAX3 MAX						
	0.00	0.00	-3.05	0.00	2.660E-06	0.00	-1.98
	1.00	0.00	-1.50	0.00	2.660E-06	0.00	6.101E-01
	2.00	0.00	4.186E-02	0.00	2.660E-06	0.00	2.44
	3.00	0.00	3.66	0.00	2.660E-06	0.00	6.100E-01
	4.00	0.00	7.32	0.00	2.660E-06	0.00	-1.98
561	MAX3 MIN						
	0.00	0.00	-7.32	0.00	-2.626E-06	0.00	-4.88
	1.00	0.00	-3.66	0.00	-2.626E-06	0.00	2.156E-01
	2.00	0.00	-4.184E-02	0.00	-2.626E-06	0.00	1.03
	3.00	0.00	1.50	0.00	-2.626E-06	0.00	2.156E-01
	4.00	0.00	3.05	0.00	-2.626E-06	0.00	-4.88

SHELL ELEMENT RESULTS

SHELL	LOAD	JOINT	F11	F22	F12	M11	M22	M12	V13	V23
126	MAX3 MAX									
		34	14.78	73.88	4.59	2.169E-01	1.05	1.295E-02	2.372E-01	2.970E-01
		353	5.33	26.63	5.62	2.079E-01	1.05	2.862E-02	2.372E-01	6.238E-01
		355	6.36	72.20	12.39	2.129E-01	8.622E-01	2.176E-02	1.56	2.970E-01
		354	8.56	25.49	13.43	1.311E-01	8.727E-01	5.889E-02	1.56	6.238E-01
126	MAX3 MIN									
		34	-28.57	-142.87	-8.81	-1.693E-01	-1.32	-2.695E-02	-1.02	-1.95
		353	-18.04	-90.22	-10.65	-3.671E-01	-1.34	-1.490E-02	-1.02	-2.965E-01
		355	-8.46	-138.85	-18.49	2.791E-03	-4.644E-01	-2.183E-02	-3.563E-01	-1.95
		354	-9.58	-86.75	-20.33	-1.271E-01	-5.024E-01	-3.123E-02	-3.563E-01	-2.965E-01
127	MAX3 MAX									
		355	4.98	65.07	7.93	2.860E-01	8.992E-01	3.779E-02	1.20	1.10
		354	7.92	26.18	16.38	1.090E-01	9.006E-01	4.261E-02	1.20	3.809E-01
		357	6.09	65.30	8.14	2.367E-01	7.339E-01	3.950E-02	3.003E-01	1.10
		356	7.16	26.24	16.56	9.985E-02	7.469E-01	2.173E-02	3.003E-01	3.809E-01
127	MAX3 MIN									
		355	-5.00	-121.39	-9.31	-3.751E-02	-5.515E-01	-2.916E-02	-3.306E-01	-4.942E-01
		354	-9.42	-89.88	-18.42	-1.681E-01	-6.316E-01	-2.343E-02	-3.306E-01	-8.994E-01

	357	-5.77	-121.55	-9.55	1.579E-02	-4.323E-01	-4.301E-02	-5.549E-01	-4.942E-01
	356	-8.32	-89.86	-18.63	-1.549E-01	-5.185E-01	-1.468E-02	-5.549E-01	-8.994E-01
128	MAX3 MAX								
	357	4.57	57.66	10.31	2.365E-01	9.607E-01	3.711E-02	1.374E-01	1.212E-01
	356	7.80	22.41	16.59	6.269E-02	8.403E-01	3.624E-02	1.374E-01	5.429E-01
	359	4.66	57.67	13.79	2.144E-01	7.111E-01	2.745E-02	9.807E-01	1.212E-01
	358	6.53	22.62	19.86	9.932E-02	6.058E-01	-1.033E-02	9.807E-01	5.429E-01
128	MAX3 MIN								
	357	-3.78	-111.51	-13.08	-1.347E-02	-7.231E-01	-2.312E-02	-2.620E-01	-6.998E-01
	356	-9.01	-86.28	-18.91	-1.172E-01	-6.926E-01	-4.690E-02	-2.620E-01	-3.127E-01
	359	-5.05	-111.77	-11.89	1.638E-02	-2.997E-01	-4.123E-02	-2.964E-01	-6.998E-01
	358	-8.92	-86.73	-17.60	-1.512E-01	-2.832E-01	-3.224E-02	-2.964E-01	-3.127E-01
129	MAX3 MAX								
	359	2.29	45.91	15.00	1.981E-01	8.996E-01	2.827E-02	1.43	1.95
	358	8.47	20.11	24.37	9.083E-02	9.134E-01	-1.007E-02	1.43	4.374E-02
	35	9.47	47.35	11.25	1.119E-01	3.413E-01	3.747E-02	2.607E-01	1.95
	360	4.19	20.97	20.72	1.055E-01	3.601E-01	2.795E-02	2.607E-01	4.374E-02
129	MAX3 MIN								
	359	-4.30	-108.13	-8.16	-3.670E-02	-6.083E-01	-4.766E-02	-3.933E-01	-6.458E-01
	358	-9.05	-75.17	-19.52	-9.972E-02	-6.023E-01	-3.020E-02	-3.933E-01	-4.672E-01
	35	-22.35	-111.74	-9.66	-5.350E-02	-4.973E-01	-7.169E-03	-9.540E-01	-6.458E-01
	360	-15.64	-78.21	-21.12	-2.201E-01	-4.851E-01	-1.116E-02	-9.540E-01	-4.672E-01
130	MAX3 MAX								
	353	5.33	26.63	5.62	2.158E-01	1.06	2.074E-02	9.910E-02	1.854E-01
	361	4.08	20.38	8.12	2.024E-01	1.03	-2.072E-03	9.910E-02	2.566E-01
	354	3.40	26.24	12.01	1.747E-01	8.687E-01	5.676E-02	6.229E-01	1.854E-01
	362	6.34	20.00	14.29	1.507E-01	8.414E-01	1.692E-02	6.229E-01	2.566E-01
130	MAX3 MIN								
	353	-18.04	-90.22	-10.65	-1.978E-01	-1.18	1.398E-03	-4.152E-01	-9.375E-01
	361	-17.17	-85.85	-6.60	-2.703E-01	-1.16	-2.000E-02	-4.152E-01	-2.041E-01
	354	-8.63	-88.34	-19.88	-1.395E-01	-6.321E-01	-3.782E-02	-1.344E-01	-9.375E-01
	362	-11.95	-83.97	-15.62	-2.022E-01	-6.273E-01	-4.218E-02	-1.344E-01	-2.041E-01
131	MAX3 MAX								
	354	3.54	26.93	14.93	2.025E-01	9.483E-01	5.316E-02	3.815E-01	2.597E-01
	362	6.32	20.29	14.54	1.652E-01	9.611E-01	1.942E-02	3.815E-01	2.869E-01
	356	3.97	26.68	18.27	1.217E-01	7.340E-01	1.724E-02	1.193E-01	2.597E-01
	363	9.73	20.04	17.62	7.204E-02	7.572E-01	-2.106E-02	1.193E-01	2.869E-01
131	MAX3 MIN								
	354	-9.26	-91.47	-17.94	-1.436E-01	-7.277E-01	-2.536E-02	-9.887E-02	-2.246E-01
	362	-12.52	-87.26	-20.64	-2.560E-01	-8.091E-01	-5.459E-02	-9.887E-02	-5.125E-01
	356	-4.54	-90.19	-17.25	-1.166E-01	-4.215E-01	-1.836E-02	-9.734E-02	-2.246E-01
	363	-10.79	-85.98	-19.69	-2.222E-01	-5.064E-01	-4.567E-02	-9.734E-02	-5.125E-01
132	MAX3 MAX								
	356	3.31	22.85	18.00	1.615E-01	8.916E-01	-4.391E-03	8.467E-02	2.604E-01
	363	9.97	21.08	18.23	9.110E-02	8.965E-01	9.829E-03	8.467E-02	2.932E-01
	358	2.09	22.87	18.22	1.174E-01	6.088E-01	1.899E-02	2.563E-01	2.604E-01
	364	6.27	21.11	18.12	5.402E-02	6.257E-01	3.082E-02	2.563E-01	2.932E-01
132	MAX3 MIN								
	356	-3.93	-86.60	-17.32	-1.883E-01	-6.928E-01	-4.752E-02	1.079E-02	-3.823E-01
	363	-10.05	-82.16	-15.84	-2.343E-01	-6.574E-01	-2.267E-02	1.079E-02	-3.694E-01
	358	-7.85	-87.65	-20.42	-7.553E-02	-3.128E-01	-1.596E-02	-1.152E-01	-3.823E-01
	364	-11.50	-83.21	-18.60	-1.326E-01	-2.855E-01	1.518E-02	-1.152E-01	-3.694E-01
133	MAX3 MAX								
	358	1.85	20.35	22.53	1.372E-01	8.342E-01	2.254E-03	5.829E-01	8.657E-01
	364	5.24	16.05	20.60	9.939E-02	8.254E-01	4.132E-02	5.829E-01	2.048E-01
	360	4.19	20.97	21.59	1.016E-01	3.766E-01	2.699E-02	1.289E-01	8.657E-01
	365	3.33	16.67	19.58	6.935E-02	3.837E-01	6.878E-02	1.289E-01	2.048E-01
133	MAX3 MIN								
	358	-5.80	-76.09	-22.13	-1.504E-01	-6.439E-01	-1.591E-02	-1.770E-01	-3.672E-01
	364	-10.55	-78.59	-22.45	-1.758E-01	-6.441E-01	1.615E-02	-1.770E-01	-3.851E-01
	360	-15.64	-78.21	-17.91	-6.130E-02	-3.507E-01	-3.095E-02	-4.019E-01	-3.672E-01
	365	-16.14	-80.70	-18.15	-9.900E-02	-3.564E-01	-4.496E-03	-4.019E-01	-3.851E-01
134	MAX3 MAX								
	361	4.08	20.38	8.12	2.050E-01	1.03	8.531E-03	5.572E-02	2.032E-01
	366	16.82	84.12	8.60	1.951E-01	9.685E-01	-5.175E-03	5.572E-02	1.916E-01
	362	3.79	20.32	17.79	1.532E-01	8.373E-01	-9.163E-03	2.489E-01	2.032E-01
	367	12.33	83.22	18.21	1.345E-01	7.828E-01	-2.330E-02	2.489E-01	1.916E-01
134	MAX3 MIN								
	361	-17.17	-85.85	-6.60	-2.052E-01	-1.10	5.746E-03	-1.528E-01	-5.870E-01
	366	-30.10	-150.50	-10.15	-2.403E-01	-1.13	-9.469E-03	-1.528E-01	-2.850E-01
	362	-6.59	-83.72	-15.10	-1.340E-01	-6.654E-01	-4.965E-02	-5.562E-02	-5.870E-01
	367	-15.31	-147.54	-18.59	-1.665E-01	-7.038E-01	-6.169E-02	-5.562E-02	-2.850E-01
135	MAX3 MAX								
	362	3.80	20.61	17.77	1.843E-01	9.764E-01	1.136E-02	1.139E-01	1.933E-01
	367	13.10	87.19	18.58	1.634E-01	9.435E-01	-4.303E-02	1.139E-01	2.537E-01
	363	7.02	19.91	15.25	8.403E-02	7.487E-01	-1.601E-02	7.106E-02	1.933E-01
	368	5.78	85.73	15.60	5.574E-02	7.238E-01	-6.974E-02	7.106E-02	2.537E-01
135	MAX3 MIN								
	362	-7.20	-87.01	-19.85	-1.523E-01	-8.139E-01	-3.703E-02	-3.179E-02	-3.129E-01
	367	-16.80	-155.09	-13.60	-2.085E-01	-8.565E-01	-8.305E-02	-3.179E-02	-3.805E-01
	363	-9.61	-86.15	-21.78	-1.363E-01	-4.644E-01	-5.836E-02	3.746E-03	-3.129E-01
	368	-8.67	-153.46	-15.07	-1.880E-01	-5.121E-01	-1.169E-01	3.746E-03	-3.805E-01
136	MAX3 MAX								
	363	7.71	20.95	15.48	1.179E-01	9.010E-01	-2.554E-02	1.027E-01	2.960E-01
	368	3.92	76.40	8.79	1.147E-01	1.04	-6.139E-02	1.027E-01	2.463E-01
	364	1.44	21.14	17.76	2.453E-02	6.248E-01	7.832E-02	2.466E-02	2.960E-01
	369	8.09	77.24	10.39	1.145E-02	7.709E-01	3.343E-02	2.466E-02	2.463E-01
136	MAX3 MIN								
	363	-9.33	-82.34	-17.56	-1.795E-01	-6.530E-01	-5.729E-02	-8.778E-03	-3.178E-01
	368	-6.89	-144.57	-18.48	-1.945E-01	-5.738E-01	-1.135E-01	-8.778E-03	-4.098E-01
	364	-7.46	-83.40	-13.97	-1.640E-01	-2.893E-01	3.716E-02	-7.252E-02	-3.178E-01
	369	-15.47	-146.29	-14.21	-1.789E-01	-2.093E-01	-8.666E-03	-7.252E-02	-4.098E-01
137	MAX3 MAX								
	364	4.270E-01	16.09	20.03	4.160E-02	7.810E-01	2.376E-03	2.191E-01	4.472E-01

	369	6.48	69.19	14.66	4.629E-02	8.742E-01	1.177E-01	2.191E-01	2.523E-01
	365	3.33	16.67	15.72	9.760E-02	4.260E-01	1.091E-01	3.771E-02	4.472E-01
	370	14.14	70.72	10.00	9.343E-02	5.291E-01	2.473E-01	3.771E-02	2.523E-01
137	MAX3 MIN								
	364	-6.54	-78.78	-17.61	-2.480E-01	-6.701E-01	-3.650E-02	-9.333E-02	-2.879E-01
	369	-10.45	-121.16	-11.33	-2.370E-01	-5.386E-01	6.542E-02	-9.333E-02	-3.684E-01
	365	-16.14	-80.70	-21.96	-6.145E-02	-3.411E-01	4.744E-02	-1.875E-01	-2.879E-01
	370	-24.81	-124.04	-15.32	-4.893E-02	-2.108E-01	1.461E-01	-1.875E-01	-3.684E-01
138	MAX3 MAX								
	366	16.82	84.12	8.60	1.875E-01	9.647E-01	3.816E-02	4.492E-02	2.114E-01
	78	36.96	184.79	20.11	1.629E-01	7.872E-01	1.727E-02	4.492E-02	1.767E-01
	367	9.83	78.49	14.50	5.994E-02	7.702E-01	-1.890E-02	6.525E-02	2.114E-01
	371	8.78	179.16	25.98	2.780E-02	6.005E-01	1.492E-02	6.525E-02	1.767E-01
138	MAX3 MIN								
	366	-30.10	-150.50	-10.15	-2.182E-01	-1.11	-1.656E-02	-2.803E-02	-4.336E-01
	78	-51.37	-256.86	-11.37	-2.252E-01	-1.11	-3.956E-02	-2.803E-02	-3.655E-01
	367	-11.58	-142.56	-15.28	-1.004E-01	-7.093E-01	-1.017E-01	-1.504E-02	-4.336E-01
	371	-11.68	-248.92	-16.48	-1.037E-01	-7.152E-01	-1.795E-01	-1.504E-02	-3.655E-01
139	MAX3 MAX								
	367	8.36	82.46	14.78	9.837E-02	9.361E-01	-2.477E-02	2.749E-02	2.085E-01
	371	2.99	150.18	2.98	1.097E-01	1.04	1.998E-02	2.749E-02	2.386E-01
	368	6.13	83.78	11.70	1.828E-02	7.108E-01	-4.043E-02	2.870E-02	2.085E-01
	372	9.99	151.50	-2.527E-01	2.475E-02	8.150E-01	-4.183E-02	2.870E-02	2.386E-01
139	MAX3 MIN								
	367	-10.83	-150.11	-10.21	-1.257E-01	-8.419E-01	-1.244E-01	-2.493E-02	-3.655E-01
	371	-4.44	-212.75	-8.18	-1.477E-01	-9.295E-01	-1.562E-01	-2.493E-02	-3.746E-01
	368	-3.96	-150.50	-7.08	2.098E-03	-4.724E-01	-9.593E-02	-5.079E-03	-3.655E-01
	372	-6.80	-213.14	-5.09	-2.044E-02	-5.593E-01	-8.498E-02	-5.079E-03	-3.746E-01
140	MAX3 MAX								
	368	7.90	74.45	4.36	8.245E-02	1.03	1.862E-02	2.625E-02	2.503E-01
	372	6.62	134.75	12.60	6.244E-02	1.01	-9.298E-02	2.625E-02	2.908E-01
	369	3.86	73.77	6.045E-02	-5.830E-02	7.578E-01	-3.350E-02	7.591E-02	2.503E-01
	373	2.80	134.06	7.41	-8.164E-02	7.386E-01	-1.071E-01	7.591E-02	2.908E-01
140	MAX3 MIN								
	368	-5.83	-141.61	-9.96	-1.084E-02	-5.422E-01	-2.071E-02	-1.546E-02	-3.711E-01
	372	-3.47	-196.57	-3.90	-4.884E-02	-6.961E-01	-1.781E-01	-1.546E-02	-3.135E-01
	369	-9.96	-142.56	-13.45	-1.561E-01	-1.997E-01	-1.042E-01	4.170E-02	-3.711E-01
	373	-7.84	-197.52	-6.46	-1.956E-01	-3.535E-01	-2.823E-01	4.170E-02	-3.135E-01
141	MAX3 MAX								
	369	8.58	65.72	3.51	-3.207E-02	8.431E-01	-1.620E-01	1.765E-03	3.671E-01
	373	-1.13	114.40	-9.71	8.012E-02	1.59	2.064E-02	1.765E-03	2.033E-01
	370	14.14	70.72	19.35	1.349E-01	5.528E-01	6.359E-01	-1.628E-01	3.671E-01
	79	23.88	119.40	-4.230E-01	2.546E-01	1.45	8.324E-01	-1.628E-01	2.033E-01
141	MAX3 MIN								
	369	-11.27	-117.44	-9.70	-2.087E-01	-5.446E-01	-2.816E-01	-8.365E-02	-2.813E-01
	373	-9.28	-200.24	-32.49	-6.966E-02	3.524E-01	-1.442E-01	-8.365E-02	-4.358E-01
	370	-24.81	-124.04	1.20	-1.137E-02	-1.917E-01	4.336E-01	-2.791E-01	-2.813E-01
	79	-41.37	-206.84	-8.96	1.165E-01	7.172E-01	5.775E-01	-2.791E-01	-4.358E-01
142	MAX3 MAX								
	298	36.94	184.70	11.39	1.678E-01	8.222E-01	3.881E-02	2.805E-02	2.256E-01
	374	16.81	84.06	10.17	1.950E-01	9.921E-01	1.559E-02	2.805E-02	2.239E-01
	376	8.77	179.07	16.52	2.827E-02	6.038E-01	1.722E-01	5.701E-03	2.256E-01
	375	9.82	78.43	15.33	6.289E-02	7.664E-01	9.594E-02	5.701E-03	2.239E-01
142	MAX3 MIN								
	298	-51.36	-256.78	-20.14	-2.281E-01	-1.13	-1.628E-02	-3.482E-02	-3.929E-01
	374	-30.10	-150.50	-8.62	-2.222E-01	-1.12	-3.745E-02	-3.482E-02	-4.475E-01
	376	-11.67	-248.84	-26.03	-1.047E-01	-7.121E-01	-1.238E-02	-6.883E-02	-3.929E-01
	375	-11.59	-142.56	-14.54	-1.025E-01	-7.046E-01	1.949E-02	-6.883E-02	-4.475E-01
143	MAX3 MAX								
	376	2.97	150.07	8.22	1.045E-01	1.02	1.498E-01	2.128E-02	2.537E-01
	375	8.35	82.40	10.24	1.033E-01	9.310E-01	1.177E-01	2.128E-02	2.108E-01
	378	9.98	151.39	5.10	2.294E-02	7.926E-01	8.166E-02	-7.065E-03	2.537E-01
	377	6.12	83.72	7.12	2.336E-02	6.971E-01	9.638E-02	-7.065E-03	2.108E-01
143	MAX3 MIN								
	376	-4.43	-212.65	-3.02	-1.472E-01	-9.192E-01	-2.071E-02	-1.989E-02	-3.695E-01
	375	-10.83	-150.12	-14.81	-1.275E-01	-8.354E-01	2.863E-02	-1.989E-02	-3.712E-01
	378	-6.79	-213.04	2.100E-01	-1.979E-02	-5.488E-01	3.976E-02	-3.607E-02	-3.695E-01
	377	-3.96	-150.51	-11.73	5.883E-03	-4.656E-01	3.919E-02	-3.607E-02	-3.712E-01
144	MAX3 MAX								
	378	6.61	134.67	3.95	5.473E-02	9.833E-01	1.783E-01	8.067E-03	2.763E-01
	377	7.90	74.39	10.00	8.522E-02	1.02	1.951E-02	8.067E-03	2.452E-01
	380	2.80	133.99	6.52	-8.581E-02	7.240E-01	2.842E-01	-4.751E-02	2.763E-01
	379	3.85	73.70	13.46	-5.196E-02	7.528E-01	1.013E-01	-4.751E-02	2.452E-01
144	MAX3 MIN								
	378	-3.47	-196.51	-12.65	-4.421E-02	-6.876E-01	9.120E-02	-2.989E-02	-2.984E-01
	377	-5.83	-141.62	-4.40	-5.580E-03	-5.328E-01	-2.135E-02	-2.989E-02	-3.654E-01
	380	-7.83	-197.46	-7.47	-2.003E-01	-3.555E-01	1.118E-01	-8.335E-02	-2.984E-01
	379	-9.96	-142.57	-1.042E-01	-1.587E-01	-2.006E-01	3.946E-02	-8.335E-02	-3.654E-01
145	MAX3 MAX								
	380	-1.13	114.36	32.50	7.982E-02	1.59	1.426E-01	6.601E-02	1.626E-01
	379	8.57	65.66	9.74	-2.847E-02	8.359E-01	2.848E-01	6.601E-02	3.658E-01
	299	23.87	119.36	8.97	2.543E-01	1.46	-5.749E-01	2.916E-01	1.626E-01
	381	14.13	70.66	-1.15	1.397E-01	5.666E-01	-4.317E-01	2.916E-01	3.658E-01
145	MAX3 MIN								
	380	-9.28	-200.22	9.70	-7.327E-02	3.488E-01	-1.406E-02	-1.204E-02	-4.352E-01
	379	-11.27	-117.46	-3.55	-2.115E-01	-5.469E-01	1.659E-01	-1.204E-02	-2.739E-01
	299	-41.36	-206.82	4.236E-01	1.146E-01	7.097E-01	-8.294E-01	1.747E-01	-4.352E-01
	381	-24.81	-124.05	-19.36	-1.232E-02	-1.981E-01	-6.327E-01	1.747E-01	-2.739E-01
146	MAX3 MAX								
	374	16.81	84.06	10.17	1.966E-01	9.902E-01	8.838E-03	1.532E-01	2.393E-01
	382	4.08	20.42	6.61	2.110E-01	1.05	-4.525E-03	1.532E-01	1.992E-01
	375	12.30	83.15	18.62	1.318E-01	7.824E-01	5.908E-02	4.815E-02	2.393E-01
	383	3.80	20.35	15.12	1.547E-01	8.320E-01	4.815E-02	4.815E-02	1.992E-01
146	MAX3 MIN								
	374	-30.10	-150.50	-8.62	-2.409E-01	-1.14	4.008E-03	-5.012E-02	-3.206E-01

382	-17.20	-86.00	-8.13-2.095E-01	-1.11-7.914E-03	-5.012E-02	-5.842E-01
375	-15.28	-147.53	-18.24-1.613E-01	-7.004E-01	2.156E-02	-2.489E-01
383	-6.61	-83.87	-17.82-1.322E-01	-6.608E-01	8.562E-03	-2.489E-01
147	MAX3	MAX				
375	13.07	87.13	13.62	1.563E-01	9.351E-01	8.095E-02
383	3.81	20.64	19.87	1.895E-01	9.757E-01	3.495E-02
377	5.75	85.66	15.09	5.054E-02	7.094E-01	1.172E-01
384	7.04	19.94	21.80	9.064E-02	7.421E-01	5.796E-02
147	MAX3	MIN				
375	-16.76	-155.08	-18.61-2.011E-01	-8.494E-01	4.242E-02	-1.114E-01
383	-7.22	-87.17	-17.78-1.522E-01	-8.105E-01	1.312E-02	-1.114E-01
377	-8.64	-153.46	-15.62-1.848E-01	-5.042E-01	6.977E-02	-7.543E-02
384	-9.64	-86.31	-15.26-1.402E-01	-4.602E-01	1.504E-02	-7.543E-02
148	MAX3	MAX				
377	3.89	76.33	18.50	1.099E-01	1.02	1.123E-01
384	7.73	20.98	17.56	1.238E-01	8.940E-01	5.799E-02
379	8.07	77.17	14.23	5.347E-03	7.620E-01	4.377E-03
385	1.45	21.16	13.98	2.943E-02	6.241E-01	-3.705E-02
148	MAX3	MIN				
377	-6.86	-144.58	-8.81-1.928E-01	-5.662E-01	6.015E-02	-1.034E-01
384	-9.36	-82.48	-15.49-1.820E-01	-6.487E-01	2.586E-02	-1.034E-01
379	-15.46	-146.29	-10.41-1.730E-01	-2.074E-01	-2.812E-02	-2.779E-02
385	-7.48	-83.55	-17.77-1.625E-01	-2.908E-01	-7.591E-02	-2.779E-02
149	MAX3	MAX				
379	6.46	69.13	11.35	4.382E-02	8.699E-01	-6.600E-02
385	4.338E-01	16.10	17.62	4.270E-02	7.750E-01	3.269E-02
381	14.13	70.66	15.35	9.312E-02	5.378E-01	-1.437E-01
386	3.34	16.68	21.98	1.010E-01	4.328E-01	-4.662E-02
149	MAX3	MIN				
379	-10.43	-121.18	-14.69-2.331E-01	-5.400E-01	-1.148E-01	-2.249E-01
385	-6.55	-78.91	-20.03-2.443E-01	-6.675E-01	1.911E-03	-2.249E-01
381	-24.81	-124.05	-10.03-4.949E-02	-2.168E-01	-2.433E-01	-3.020E-02
386	-16.17	-80.84	-15.74-6.245E-02	-3.429E-01	-1.078E-01	-3.020E-02
150	MAX3	MAX				
382	4.08	20.42	6.61	2.018E-01	1.04	2.028E-02
387	5.34	26.69	10.66	2.196E-01	1.07	-5.897E-04
383	6.31	20.03	15.63	1.501E-01	8.407E-01	4.131E-02
388	3.41	26.30	19.89	1.783E-01	8.649E-01	3.708E-02
150	MAX3	MIN				
382	-17.20	-86.00	-8.13-2.695E-01	-1.17	1.995E-03	-9.514E-02
387	-18.09	-90.45	-5.62-2.009E-01	-1.18	-2.180E-02	-9.514E-02
383	-11.91	-84.12	-14.31-2.025E-01	-6.269E-01	1.722E-02	-6.225E-01
388	-8.66	-88.57	-12.01-1.436E-01	-6.299E-01	-5.765E-02	-6.225E-01
151	MAX3	MAX				
383	6.28	20.32	20.65	1.619E-01	9.581E-01	5.322E-02
388	3.55	26.99	17.95	2.099E-01	9.519E-01	2.514E-02
384	9.71	20.07	19.70	6.748E-02	7.487E-01	4.383E-02
389	4.00	26.74	17.25	1.280E-01	7.323E-01	1.837E-02
151	MAX3	MIN				
383	-12.49	-87.41	-14.54-2.544E-01	-8.061E-01	-2.076E-02	-3.794E-01
388	-9.29	-91.71	-14.93-1.502E-01	-7.305E-01	-5.297E-02	-3.794E-01
384	-10.75	-86.12	-17.62-2.166E-01	-4.996E-01	2.123E-02	-1.312E-01
389	-4.57	-90.42	-18.26-1.190E-01	-4.207E-01	-1.709E-02	-1.312E-01
152	MAX3	MAX				
384	9.94	21.10	15.84	8.752E-02	8.895E-01	2.279E-02
389	3.35	22.91	17.32	1.668E-01	8.886E-01	4.442E-02
385	6.25	21.13	18.60	5.260E-02	6.216E-01	-1.313E-02
390	2.10	22.93	20.41	1.238E-01	6.086E-01	1.495E-02
152	MAX3	MIN				
384	-10.01	-82.30	-18.23-2.300E-01	-6.533E-01	-9.875E-03	-8.707E-02
389	-3.96	-86.84	-17.99-1.892E-01	-6.878E-01	4.991E-03	-8.707E-02
385	-11.49	-83.35	-18.12-1.337E-01	-2.856E-01	-2.855E-02	-2.565E-01
390	-7.88	-87.89	-18.21-8.087E-02	-3.116E-01	-1.684E-02	-2.565E-01
153	MAX3	MAX				
385	5.22	16.07	22.45	9.958E-02	8.228E-01	-1.672E-02
390	1.86	20.39	22.11	1.409E-01	8.328E-01	1.837E-02
386	3.34	16.68	18.15	6.907E-02	3.860E-01	4.925E-03
391	4.20	21.01	17.89	1.039E-01	3.801E-01	3.129E-02
153	MAX3	MIN				
385	-10.54	-78.72	-20.60-1.774E-01	-6.440E-01	-3.955E-02	-5.841E-01
390	-5.82	-76.30	-22.52-1.550E-01	-6.476E-01	-1.499E-03	-5.841E-01
386	-16.17	-80.84	-19.58-9.889E-02	-3.564E-01	-6.923E-02	-1.254E-01
391	-15.68	-78.41	-21.58-6.304E-02	-3.546E-01	-2.701E-02	-1.254E-01
154	MAX3	MAX				
387	5.34	26.69	10.66	2.070E-01	1.05	1.435E-02
342	14.76	73.81	8.80	2.184E-01	1.05	2.666E-02
388	8.55	25.55	20.34	1.311E-01	8.718E-01	3.025E-02
392	6.38	72.13	18.48	2.138E-01	8.609E-01	2.030E-02
154	MAX3	MIN				
387	-18.09	-90.45	-5.62-3.660E-01	-1.34	-2.825E-02	-2.374E-01
342	-28.61	-143.04	-4.57-1.710E-01	-1.32	-1.246E-02	-2.374E-01
388	-9.56	-86.97	-13.41-1.270E-01	-5.027E-01	-5.968E-02	-1.55
392	-8.48	-139.02	-12.37	1.684E-03	-4.664E-01	-2.163E-02
155	MAX3	MAX				
388	7.90	26.24	18.42	1.089E-01	9.030E-01	2.231E-02
392	5.00	65.02	9.31	2.881E-01	9.011E-01	2.776E-02
389	7.15	26.29	18.61	9.865E-02	7.436E-01	1.587E-02
397	6.11	65.25	9.53	2.400E-01	7.301E-01	4.700E-02
155	MAX3	MIN				
388	-9.40	-90.11	-16.37-1.683E-01	-6.348E-01	-4.335E-02	-1.20
392	-5.03	-121.54	-7.91-3.772E-02	-5.492E-01	-3.774E-02	-1.20
389	-8.30	-90.09	-16.54-1.533E-01	-5.153E-01	-2.088E-02	-2.994E-01
397	-5.79	-121.70	-8.12	1.506E-02	-4.234E-01	-4.096E-02
156	MAX3	MAX				

389	7.79	22.46	18.89	6.175E-02	8.365E-01	5.093E-02	2.543E-01	5.381E-01
397	4.59	57.60	13.06	2.386E-01	9.647E-01	2.421E-02	2.543E-01	1.250E-01
390	6.52	22.68	17.57	9.881E-02	6.039E-01	2.875E-02	2.998E-01	5.381E-01
398	4.67	57.61	11.86	2.149E-01	7.172E-01	4.487E-02	2.998E-01	1.250E-01
156	MAX3	MIN						
389	-8.99	-86.51	-16.48	-1.152E-01	-6.859E-01	-3.779E-02	-1.399E-01	-3.147E-01
397	-3.80	-111.65	-10.30	-1.490E-02	-7.320E-01	-3.604E-02	-1.399E-01	-6.894E-01
390	-8.91	-86.96	-19.83	-1.508E-01	-2.820E-01	7.213E-03	-9.732E-01	-3.147E-01
398	-5.06	-111.90	-13.77	1.543E-02	-3.144E-01	-3.530E-02	-9.732E-01	-6.894E-01
157	MAX3	MAX						
390	8.47	20.14	19.48	9.111E-02	9.142E-01	2.656E-02	3.947E-01	3.184E-02
398	2.30	45.83	8.13	1.996E-01	8.928E-01	5.100E-02	3.947E-01	1.95
391	4.20	21.01	21.08	1.057E-01	3.599E-01	1.768E-02	9.510E-01	3.184E-02
343	9.45	47.26	9.62	1.118E-01	3.460E-01	5.423E-03	9.510E-01	1.95
157	MAX3	MIN						
390	-9.04	-75.37	-24.34	-9.977E-02	-6.079E-01	7.313E-03	-1.43-4.559E-01	
398	-4.32	-108.29	-14.98	-3.635E-02	-5.932E-01	-3.598E-02	-1.43-6.495E-01	
391	-15.68	-78.41	-20.69	-2.198E-01	-4.855E-01	-2.760E-02	-2.629E-01	-4.559E-01
343	-22.38	-111.90	-11.22	-5.149E-02	-4.893E-01	-2.941E-02	-2.629E-01	-6.495E-01
158	MAX3	MAX						
1	12.57	62.87	3.70	2.016E-01	1.49	3.196E-02	1.17	2.19
399	3.05	15.26	5.83	4.028E-01	1.53	1.094E-02	1.17	4.532E-01
403	6.79	61.71	12.37	7.726E-02	6.079E-01	4.476E-02	6.070E-01	2.19
402	11.33	14.55	14.49	1.461E-01	6.576E-01	3.013E-02	6.070E-01	4.532E-01
158	MAX3	MIN						
1	-32.02	-160.09	-9.38	-1.846E-01	-9.139E-01	-8.928E-03	-4.018E-01	-5.557E-01
399	-20.96	-104.80	-11.38	-1.793E-01	-9.056E-01	-3.355E-02	-4.018E-01	-7.607E-01
403	-9.65	-155.61	-20.41	-2.509E-01	-6.966E-01	-1.893E-02	-1.79-5.557E-01	
402	-12.65	-100.78	-22.42	-1.076E-01	-6.991E-01	-4.995E-02	-1.79-7.607E-01	
159	MAX3	MAX						
403	5.43	54.92	9.43	1.458E-01	7.014E-01	4.738E-02	4.282E-01	5.513E-01
402	10.64	14.53	18.69	1.804E-01	7.683E-01	2.417E-02	4.282E-01	9.375E-01
407	7.31	55.29	11.39	6.175E-02	5.951E-01	4.449E-02	6.182E-01	5.513E-01
406	9.58	14.62	20.64	1.917E-01	6.679E-01	9.622E-03	6.182E-01	9.375E-01
159	MAX3	MIN						
403	-6.09	-137.86	-10.68	-3.407E-01	-7.257E-01	-3.209E-02	-1.35	-1.25
402	-12.77	-104.82	-21.19	-9.445E-02	-7.433E-01	-3.394E-02	-1.35-3.524E-01	
407	-7.15	-136.07	-11.51	-2.753E-01	-5.622E-01	-3.707E-02	-2.587E-01	-1.25
406	-10.89	-104.75	-22.01	-1.255E-01	-5.913E-01	-2.727E-02	-2.587E-01	-3.524E-01
160	MAX3	MAX						
407	5.86	48.02	13.17	1.072E-01	8.855E-01	-4.032E-04	2.929E-01	7.851E-01
406	10.16	10.95	21.60	1.503E-01	8.518E-01	4.817E-02	2.929E-01	4.590E-01
411	5.09	47.86	18.45	7.931E-02	4.270E-01	4.512E-02	4.680E-01	7.851E-01
410	9.23	11.12	26.90	1.918E-01	4.086E-01	8.048E-02	4.680E-01	4.590E-01
160	MAX3	MIN						
407	-5.14	-128.03	-15.63	-2.891E-01	-7.858E-01	-2.369E-02	-7.558E-02	-8.459E-02
406	-11.45	-100.96	-22.51	-8.278E-02	-6.773E-01	-3.429E-02	-7.558E-02	-6.949E-01
411	-6.13	-128.23	-15.15	-2.638E-01	-5.604E-01	-4.813E-02	-1.19-8.459E-02	
410	-12.28	-101.48	-22.05	-1.234E-01	-4.660E-01	-4.553E-02	-1.19-6.949E-01	
161	MAX3	MAX						
411	2.94	37.09	21.77	1.108E-01	7.694E-01	6.387E-02	7.737E-01	1.24
410	11.16	9.50	33.09	1.208E-01	7.650E-01	6.352E-02	7.737E-01	4.906E-01
2	7.61	38.03	17.20	8.303E-02	5.688E-01	3.317E-02	1.17	1.24
414	1.99	9.94	28.51	2.656E-01	5.739E-01	3.135E-02	1.17	4.906E-01
161	MAX3	MIN						
411	-5.51	-125.11	-11.57	-2.244E-01	-7.206E-01	-6.430E-02	-1.76	-2.44
410	-11.98	-88.76	-25.02	-6.899E-02	-7.334E-01	-3.136E-02	-1.76-5.057E-02	
2	-25.83	-129.17	-12.84	-8.119E-02	-1.355E-01	-7.849E-02	-5.144E-01	-2.44
414	-18.47	-92.34	-26.29	-9.908E-02	-1.652E-01	-4.408E-02	-5.144E-01	-5.057E-02
162	MAX3	MAX						
399	3.05	15.26	5.83	2.328E-01	1.36	-5.981E-04	4.738E-01	9.393E-01
415	7.40	36.98	9.57	3.078E-01	1.34	2.169E-02	4.738E-01	2.987E-01
402	2.53	15.16	13.21	1.721E-01	7.946E-01	2.454E-02	2.454E-01	9.393E-01
418	9.89	37.48	16.70	2.368E-01	7.870E-01	2.886E-02	2.454E-01	2.987E-01
162	MAX3	MIN						
399	-20.96	-104.80	-11.38	-1.827E-01	-9.114E-01	-2.114E-02	-1.637E-01	-1.904E-01
415	-25.54	-127.71	-7.48	-1.741E-01	-8.729E-01	-1.509E-04	-1.637E-01	-3.375E-01
402	-9.74	-102.56	-21.52	-1.411E-01	-7.007E-01	-4.467E-02	-7.229E-01	-1.904E-01
418	-17.34	-126.07	-17.38	-1.219E-01	-6.726E-01	-5.702E-03	-7.229E-01	-3.375E-01
163	MAX3	MAX						
402	2.53	15.13	17.41	1.741E-01	8.771E-01	1.263E-02	1.324E-01	2.683E-01
418	10.07	38.37	17.42	2.865E-01	9.634E-01	4.565E-02	1.324E-01	5.330E-01
406	4.03	15.01	21.37	1.442E-01	5.661E-01	1.872E-02	1.146E-01	2.683E-01
419	12.95	38.95	21.09	2.509E-01	6.559E-01	5.540E-02	1.146E-01	5.330E-01
163	MAX3	MIN						
402	-10.55	-106.60	-20.29	-1.668E-01	-7.849E-01	-4.186E-02	-4.309E-01	-3.212E-01
418	-18.38	-131.26	-23.10	-1.391E-01	-8.027E-01	-1.224E-02	-4.309E-01	-2.741E-01
406	-5.38	-105.15	-20.03	-8.492E-02	-5.738E-01	-1.741E-02	-1.013E-01	-3.212E-01
419	-14.58	-130.50	-22.54	-4.630E-02	-6.017E-01	8.556E-03	-1.013E-01	-2.741E-01
164	MAX3	MAX						
406	3.52	11.34	22.21	2.186E-01	8.488E-01	5.239E-02	4.705E-02	4.159E-01
419	13.08	39.57	20.99	2.649E-01	8.147E-01	1.992E-02	4.705E-02	3.755E-01
410	7.008E-01	11.23	23.16	1.045E-01	4.500E-01	5.572E-02	1.676E-01	4.159E-01
422	9.73	38.90	21.70	1.594E-01	4.250E-01	2.326E-02	1.676E-01	3.755E-01
164	MAX3	MIN						
406	-4.84	-101.36	-20.41	-1.231E-01	-7.229E-01	-1.109E-03	-1.091E-01	-2.319E-01
419	-13.70	-126.09	-18.14	-6.389E-02	-7.313E-01	-6.613E-03	-1.091E-01	-2.808E-01
410	-8.64	-102.58	-23.93	-8.371E-02	-4.625E-01	-5.842E-02	-3.189E-01	-2.319E-01
422	-16.96	-126.74	-21.41	-3.050E-02	-4.820E-01	-6.393E-02	-3.189E-01	-2.808E-01
165	MAX3	MAX						
410	8.327E-01	9.61	29.08	1.845E-01	8.116E-01	6.424E-02	3.420E-01	6.778E-01
422	8.24	31.47	24.86	2.115E-01	8.108E-01	1.564E-02	3.420E-01	3.961E-01
414	1.99	9.94	27.94	9.205E-02	5.079E-01	3.151E-02	4.938E-01	6.778E-01
423	6.21	31.06	23.47	1.206E-01	5.131E-01	-1.689E-02	4.938E-01	3.961E-01
165	MAX3	MIN						

410	-6.55	-89.86	-26.63-1.016E-01-6.609E-01-5.151E-02-7.223E-01	-1.11
422	-15.20	-117.93	-26.14-6.868E-02-6.512E-01-7.104E-02-7.223E-01-1.898E-01	
414	-18.47	-92.34	-22.35-7.154E-02-2.413E-01-2.550E-02-2.389E-01	-1.11
423	-23.93	-119.67	-21.60-3.446E-02-2.465E-01-4.522E-02-2.389E-01-1.898E-01	
166	MAX3	MAX		
415	7.40	36.98	9.57 2.393E-01 1.27-3.206E-03 1.715E-01 5.969E-01	
426	25.54	127.68	11.71 2.759E-01 1.30 9.500E-03 1.715E-01 2.910E-01	
418	2.88	35.21	21.66 1.638E-01 8.268E-01 4.007E-02 9.876E-02 5.969E-01	
427	16.70	125.91	23.64 1.975E-01 8.617E-01 5.692E-02 9.876E-02 2.910E-01	
166	MAX3	MIN		
415	-25.54	-127.71	-7.48-1.723E-01-8.737E-01-8.419E-03-7.360E-02-2.068E-01	
426	-43.72	-218.60	-11.96-1.649E-01-8.125E-01 3.087E-03-7.360E-02-1.905E-01	
418	-7.63	-123.26	-17.60-1.196E-01-6.710E-01 1.627E-02-2.903E-01-2.068E-01	
427	-21.49	-214.15	-21.92-1.036E-01-6.185E-01 2.598E-02-2.903E-01-1.905E-01	
167	MAX3	MAX		
418	2.83	36.11	21.97 1.806E-01 9.697E-01 2.308E-02 4.621E-02 3.179E-01	
427	18.09	132.81	22.70 2.404E-01 1.02 7.771E-02 4.621E-02 3.935E-01	
419	8.88	34.06	18.56 1.639E-01 6.109E-01 5.324E-02 2.136E-02 3.179E-01	
430	7.83	130.76	18.76 2.178E-01 6.638E-01 1.165E-01 2.136E-02 3.935E-01	
167	MAX3	MIN		
418	-8.43	-128.46	-22.91-1.505E-01-8.154E-01-5.509E-04-1.321E-01-1.894E-01	
427	-23.94	-226.40	-16.48-1.344E-01-7.824E-01 4.232E-02-1.321E-01-2.471E-01	
419	-11.85	-125.88	-24.53-5.557E-02-5.932E-01 2.842E-02-8.941E-02-1.894E-01	
430	-11.04	-223.82	-17.55-3.151E-02-5.678E-01 5.944E-02-8.941E-02-2.471E-01	
168	MAX3	MAX		
419	9.67	34.67	18.04 2.091E-01 8.083E-01 6.083E-02 3.688E-02 3.336E-01	
430	5.68	120.02	10.38 2.262E-01 7.340E-01 1.131E-01 3.688E-02 4.232E-01	
422	5.106E-01	36.04	19.18 1.906E-01 4.300E-01-1.785E-02 8.687E-02 3.336E-01	
431	12.52	121.39	10.87 2.081E-01 3.548E-01 1.286E-02 8.687E-02 4.232E-01	
168	MAX3	MIN		
419	-11.64	-121.47	-19.69-8.775E-02-7.359E-01 1.621E-02-1.239E-01-2.738E-01	
430	-8.92	-213.22	-20.00-8.864E-02-8.716E-01 7.244E-02-1.239E-01-2.314E-01	
422	-8.65	-124.07	-15.61 6.086E-03-4.784E-01-8.789E-02-4.179E-02-2.738E-01	
431	-21.94	-215.83	-15.26 1.445E-02-6.236E-01-3.085E-02-4.179E-02-2.314E-01	
169	MAX3	MAX		
422	3.403E-01	28.61	22.12 2.800E-01 8.373E-01 5.108E-02 1.609E-01 4.262E-01	
431	10.00	108.75	13.84 2.692E-01 6.998E-01-5.618E-02 1.609E-01 3.850E-01	
423	6.21	31.06	19.48 9.188E-02 4.962E-01-5.090E-02 2.232E-01 4.262E-01	
434	22.24	111.20	10.97 7.935E-02 3.599E-01-1.578E-01 2.232E-01 3.850E-01	
169	MAX3	MIN		
422	-7.52	-115.25	-20.11-7.636E-03-6.101E-01-1.269E-02-2.782E-01-5.388E-01	
431	-15.58	-183.98	-11.90-1.436E-02-7.045E-01-1.143E-01-2.782E-01-2.347E-01	
423	-23.93	-119.67	-25.28-6.804E-02-2.838E-01-1.099E-01-7.764E-02-5.388E-01	
434	-37.68	-188.40	-16.84-6.625E-02-3.876E-01-2.456E-01-7.764E-02-2.347E-01	
170	MAX3	MAX		
426	25.54	127.68	11.71 2.514E-01 1.28 2.155E-02 3.348E-02 4.450E-01	
45	51.07	255.35	27.00 2.565E-01 1.26 3.341E-02 3.348E-02 3.725E-01	
427	12.68	119.72	19.54 1.193E-01 8.664E-01 9.385E-02 2.866E-02 4.450E-01	
435	11.29	247.39	34.88 1.198E-01 8.549E-01 1.594E-01 2.866E-02 3.725E-01	
170	MAX3	MIN		
426	-43.72	-218.60	-11.96-1.562E-01-8.074E-01-3.215E-02-4.210E-02-2.115E-01	
45	-70.96	-354.81	-15.85-1.348E-01-6.478E-01-2.242E-02-4.210E-02-1.769E-01	
427	-14.49	-207.36	-18.31-4.212E-02-6.096E-01 9.410E-03-7.515E-02-2.115E-01	
435	-14.80	-343.57	-22.26-1.395E-02-4.569E-01-3.456E-02-7.515E-02-1.769E-01	
171	MAX3	MAX		
427	10.31	126.62	18.50 1.453E-01 1.00 1.148E-01 2.242E-02 3.751E-01	
435	3.98	210.84	3.89 1.709E-01 1.11 1.379E-01 2.242E-02 3.885E-01	
430	6.88	128.14	13.73 2.103E-03 6.183E-01 1.061E-01 7.758E-03 3.751E-01	
438	12.01	212.37-9.490E-01	2.761E-02 7.243E-01 7.880E-02 7.758E-03 3.885E-01	
171	MAX3	MIN		
427	-13.19	-219.61	-12.77-7.979E-02-7.769E-01 1.589E-02-3.245E-02-2.027E-01	
435	-5.20	-295.57	-8.74-9.048E-02-8.605E-01-4.009E-02-3.245E-02-2.303E-01	
430	-5.25	-220.23	-8.63-1.135E-02-5.583E-01 4.496E-02-3.193E-02-2.027E-01	
438	-8.72	-296.19	-5.36-1.746E-02-6.459E-01 3.741E-02-3.193E-02-2.303E-01	
172	MAX3	MAX		
430	9.00	117.41	4.85 1.672E-02 6.972E-01 1.514E-02 2.379E-02 3.838E-01	
438	8.22	193.50	14.70 5.754E-02 8.690E-01 1.887E-01 2.379E-02 3.244E-01	
431	5.47	116.64-6.010E-01	1.812E-01 3.428E-01 1.134E-01-4.576E-02 3.838E-01	
439	3.98	192.73	8.29 2.298E-01 5.146E-01 3.124E-01-4.576E-02 3.244E-01	
172	MAX3	MIN		
430	-7.40	-209.64	-10.58-7.419E-02-8.683E-01-2.292E-02-3.434E-02-2.312E-01	
438	-4.91	-277.20	-5.52-5.314E-02-8.293E-01 9.770E-02-3.434E-02-2.780E-01	
431	-12.00	-210.49	-14.12 7.441E-02-6.119E-01 4.260E-02-8.323E-02-2.312E-01	
439	-8.80	-278.06	-7.44 9.845E-02-5.760E-01 1.252E-01-8.323E-02-2.780E-01	
173	MAX3	MAX		
431	11.49	104.00	1.71 2.290E-01 7.043E-01 2.990E-01 1.034E-01 2.944E-01	
434	4.515E-01	175.10	-9.65 8.622E-02-2.145E-01 1.641E-01 1.034E-01 4.509E-01	
434	22.24	111.20	18.41 4.016E-02 3.396E-01-4.445E-01 2.863E-01 2.944E-01	
46	36.46	182.30	3.073E-01-9.065E-02-5.920E-01-5.821E-01 2.863E-01 4.509E-01	
173	MAX3	MIN		
431	-14.17	-178.65	-9.44 5.108E-02-6.770E-01 1.699E-01-1.614E-02-3.455E-01	
439	-10.42	-286.18	-35.13-6.454E-02 -1.44-1.016E-03-1.614E-02-1.814E-01	
434	-37.68	-188.40	1.13-1.065E-01-4.101E-01-6.472E-01 1.659E-01-3.455E-01	
46	-59.19	-295.94	-11.76-2.154E-01 -1.25-8.237E-01 1.659E-01-1.814E-01	
174	MAX3	MAX		
265	51.06	255.28	15.90 2.624E-01 1.30 2.108E-02 2.913E-02 4.260E-01	
442	25.53	127.66	12.01 2.593E-01 1.31 3.146E-02 2.913E-02 4.735E-01	
446	11.28	247.33	22.34 1.207E-01 8.501E-01 2.994E-02 8.381E-02 4.260E-01	
445	12.65	119.70	18.40 1.221E-01 8.582E-01-1.138E-02 8.381E-02 4.735E-01	
174	MAX3	MIN		
265	-70.94	-354.69	-27.05-1.412E-01-6.916E-01-3.267E-02-2.853E-02-2.377E-01	
442	-43.72	-218.62	-11.76-1.656E-01-8.423E-01-2.024E-02-2.853E-02-2.294E-01	
446	-14.80	-343.46	-34.98-1.427E-02-4.611E-01-1.509E-01-2.739E-02-2.377E-01	
445	-14.49	-207.39	-19.63-4.525E-02-6.053E-01-8.673E-02-2.739E-02-2.294E-01	

175	MAX3	MAX	446	3.96	210.73	8.82	1.687E-01	1.09	3.966E-02	2.128E-02	3.852E-01
			445	10.28	126.61	12.83	1.479E-01	9.886E-01	-2.204E-02	2.128E-02	3.847E-01
			450	11.99	212.25	5.37	2.726E-02	7.029E-01	3.382E-02	4.672E-02	3.852E-01
			449	6.86	128.13	8.70	-2.590E-03	6.036E-01	-4.376E-02	4.672E-02	3.847E-01
175	MAX3	MIN	446	-5.19	-295.39	-3.96	-8.402E-02	-8.447E-01	-1.298E-01	-1.944E-02	-2.509E-01
			445	-13.19	-219.64	-18.57	-8.536E-02	-7.710E-01	-1.073E-01	-1.944E-02	-2.053E-01
			450	-8.70	-296.01	8.704E-01	-1.875E-02	-6.183E-01	-7.483E-02	2.312E-04	-2.509E-01
			449	-5.25	-220.26	-13.81	-1.562E-02	-5.408E-01	-1.069E-01	2.312E-04	-2.053E-01
176	MAX3	MAX	450	8.22	193.44	5.61	4.974E-02	8.499E-01	-9.587E-02	4.122E-02	2.983E-01
			449	8.98	117.40	10.65	9.934E-03	6.785E-01	2.743E-02	4.122E-02	3.731E-01
			454	3.97	192.67	7.53	2.362E-01	5.139E-01	-1.314E-01	9.348E-02	2.983E-01
			453	5.45	116.63	14.13	1.807E-01	3.424E-01	-4.949E-02	9.348E-02	3.731E-01
176	MAX3	MIN	450	-4.90	-277.07	-14.80	-4.411E-02	-7.984E-01	-1.892E-01	-2.138E-02	-2.619E-01
			449	-7.40	-209.66	-4.92	-7.871E-02	-8.498E-01	-1.393E-02	-2.138E-02	-2.241E-01
			454	-8.79	-277.93	-8.40	1.044E-01	-5.568E-01	-3.175E-01	5.449E-02	-2.619E-01
			453	-12.00	-210.52	5.216E-01	6.713E-02	-6.050E-01	-1.129E-01	5.449E-02	-2.241E-01
177	MAX3	MAX	454	4.582E-01	175.12	35.14	9.063E-02	-2.107E-01	-6.930E-03	3.850E-02	4.396E-01
			453	11.46	103.99	9.51	2.326E-01	7.057E-01	-1.751E-02	3.850E-02	2.791E-01
			266	36.46	182.32	11.64	-8.705E-02	-5.748E-01	8.199E-01	-1.727E-01	4.396E-01
			457	22.24	111.19	-1.04	4.296E-02	3.544E-01	6.431E-01	-1.727E-01	2.791E-01
177	MAX3	MIN	454	-10.43	-286.13	9.75	-6.332E-02	-1.43	-1.610E-01	-9.218E-02	-1.280E-01
			453	-14.17	-178.68	-1.79	4.718E-02	-6.673E-01	-3.021E-01	-9.218E-02	-3.432E-01
			266	-59.18	-295.88	-1.904E-01	-2.141E-01	-1.26	5.829E-01	-3.007E-01	-1.280E-01
			457	-37.69	-188.43	-18.42	-1.127E-01	-4.282E-01	4.419E-01	-3.007E-01	-3.432E-01
178	MAX3	MAX	442	25.53	127.66	12.01	2.779E-01	1.33	-1.972E-03	7.803E-02	3.541E-01
			458	7.39	36.97	7.51	2.474E-01	1.30	7.850E-03	7.803E-02	5.970E-01
			445	16.66	125.88	22.00	1.896E-01	8.560E-01	-2.803E-02	2.930E-01	3.541E-01
			461	2.89	35.19	17.66	1.616E-01	8.183E-01	-2.140E-02	2.930E-01	5.970E-01
178	MAX3	MIN	442	-43.72	-218.62	-11.76	-1.674E-01	-8.408E-01	-8.915E-03	-1.741E-01	-2.467E-01
			458	-25.57	-127.83	-9.61	-1.798E-01	-8.955E-01	2.068E-03	-1.741E-01	-2.061E-01
			445	-21.45	-214.16	-23.73	-1.011E-01	-6.182E-01	-5.339E-02	-1.056E-01	-2.467E-01
			461	-7.66	-123.38	-21.73	-1.217E-01	-6.648E-01	-3.849E-02	-1.056E-01	-2.061E-01
179	MAX3	MAX	445	18.04	132.79	16.53	2.284E-01	1.00	-4.641E-02	1.289E-01	3.927E-01
			461	2.84	36.11	22.96	1.814E-01	9.636E-01	-9.152E-04	1.289E-01	3.257E-01
			449	7.78	130.74	17.59	2.100E-01	6.472E-01	-6.006E-02	9.769E-02	3.927E-01
			462	8.91	34.05	24.55	1.691E-01	6.012E-01	-2.698E-02	9.769E-02	3.257E-01
179	MAX3	MIN	445	-23.89	-226.41	-22.77	-1.266E-01	-7.724E-01	-7.614E-02	-5.191E-02	-2.609E-01
			461	-8.47	-128.59	-22.01	-1.569E-01	-8.142E-01	-1.804E-02	-5.191E-02	-1.919E-01
			449	-11.00	-223.83	-18.81	-2.442E-02	-5.495E-01	-1.172E-01	-1.860E-02	-2.609E-01
			462	-11.90	-126.01	-18.59	-6.249E-02	-5.839E-01	-5.211E-02	-1.860E-02	-1.919E-01
180	MAX3	MAX	449	5.63	120.00	20.05	2.203E-01	7.176E-01	-7.050E-02	1.265E-01	3.970E-01
			462	9.70	34.66	19.71	2.123E-01	7.982E-01	-1.733E-02	1.265E-01	3.371E-01
			453	12.50	121.38	15.31	1.984E-01	3.498E-01	3.281E-02	4.775E-02	3.970E-01
			465	5.185E-01	36.03	15.63	1.896E-01	4.313E-01	8.699E-02	4.775E-02	3.371E-01
180	MAX3	MIN	449	-8.88	-213.23	-10.43	-8.173E-02	-8.522E-01	-1.113E-01	-4.043E-02	-2.137E-01
			462	-11.69	-121.58	-18.07	-9.421E-02	-7.264E-01	-6.067E-02	-4.043E-02	-2.750E-01
			453	-21.92	-215.84	-10.91	2.133E-02	-6.124E-01	-1.412E-02	-8.291E-02	-2.137E-01
			465	-8.67	-124.19	-19.21	-3.184E-04	-4.771E-01	1.560E-02	-8.291E-02	-2.750E-01
181	MAX3	MAX	453	9.98	108.74	11.94	2.632E-01	7.005E-01	1.116E-01	2.903E-01	3.604E-01
			465	-3.341E-01	28.59	20.13	2.752E-01	8.323E-01	1.474E-02	2.903E-01	4.247E-01
			457	22.24	111.19	16.90	8.063E-02	3.733E-01	2.403E-01	7.654E-02	3.604E-01
			466	6.21	31.04	25.32	9.470E-02	5.034E-01	1.086E-01	7.654E-02	4.247E-01
181	MAX3	MIN	453	-15.55	-184.00	-13.89	-1.177E-02	-6.986E-01	5.344E-02	-1.576E-01	-1.930E-01
			465	-7.54	-115.36	-22.13	-9.657E-03	-6.031E-01	-5.185E-02	-1.576E-01	-5.443E-01

SHELL ELEMENT STRESSES

SHELL	LOAD	JOINT	S11-BOT	S22-BOT	S12-BOT	S11-TOP	S22-TOP	S12-TOP	S13-AVG	S23-AVG
126	MAX3	MAX	34	50.32	261.89	15.63	48.18	230.65	14.97	7.907E-01
			353	31.61	158.69	18.45	3.89	18.82	19.04	7.907E-01
			355	22.21	256.29	39.86	21.02	225.03	42.77	5.18
			354	24.48	141.22	42.67	32.84	28.74	46.84	5.18
126	MAX3	MIN	34	-93.15	-509.71	-30.63	-97.35	-442.77	-28.10	-3.39
			353	-84.62	-390.03	-34.30	-35.67	-211.45	-36.72	-3.39
			355	-14.82	-451.94	-60.17	-42.38	-473.72	-63.08	-1.19
			354	-27.60	-320.72	-63.84	-36.49	-257.61	-71.69	-1.19
127	MAX3	MAX	355	17.62	220.29	24.48	18.95	213.51	28.37	4.00
			354	19.63	145.51	53.12	33.15	29.04	56.07	4.00
			357	22.30	237.66	25.79	19.24	197.68	28.47	1.00
			356	13.69	135.90	54.24	34.06	39.01	56.16	1.00
127	MAX3	MIN	355	-1.15	-384.83	-28.52	-35.61	-424.42	-33.56	-1.10
			354	-28.58	-339.91	-58.65	-34.23	-259.30	-64.16	-1.10
			357	-4.42	-405.05	-30.73	-35.02	-405.27	-32.94	-1.85
			356	-21.23	-332.76	-60.67	-34.25	-266.33	-63.52	-1.85

156	MAX3 MIN	398	19.38	207.44	38.65	14.48	176.64	40.45	9.994E-01	4.168E-01
		389	-25.94	-332.68	-54.14	-33.97	-244.04	-55.73	-4.665E-01	-1.05
		397	6.058E-01	-365.56	-32.70	-28.51	-378.76	-35.93	-4.665E-01	-2.30
		390	-23.20	-307.14	-65.37	-36.18	-272.60	-66.83	-3.24	-1.05
		398	-5.31	-361.54	-44.35	-31.12	-384.45	-47.43	-3.24	-2.30
157	MAX3 MAX	390	24.52	126.10	65.46	32.08	8.19	64.41	1.32	1.061E-01
		398	10.86	154.00	30.34	8.67	151.50	26.90	1.32	6.49
		391	13.34	87.71	68.75	14.67	52.34	71.79	3.17	1.061E-01
		343	33.86	180.57	30.16	29.14	134.47	34.02	3.17	6.49
157	MAX3 MIN	390	-27.00	-289.75	-79.71	-33.41	-212.69	-82.54	-4.76	-1.52
		398	-6.71	-342.24	-52.17	-26.28	-379.69	-50.74	-4.76	-2.17
		391	-59.22	-287.43	-68.10	-45.34	-235.32	-69.82	-8.764E-01	-1.52
		343	-72.94	-405.61	-37.10	-76.26	-340.40	-37.76	-8.764E-01	-2.17
158	MAX3 MAX	1	47.14	218.32	12.72	36.68	200.79	11.97	3.89	7.31
		399	-1.78	-9.51	19.00	22.12	111.23	19.85	3.89	1.51
		403	27.78	217.85	44.04	17.65	193.54	38.43	2.02	7.31
		402	42.15	1.91	50.32	33.40	95.12	46.30	2.02	1.51
158	MAX3 MIN	1	-110.83	-503.75	-30.11	-102.62	-563.50	-32.43	-1.34	-1.85
		399	-43.01	-247.45	-39.02	-96.72	-451.21	-36.85	-1.34	-2.54
		403	-48.88	-536.78	-69.13	-15.59	-500.65	-66.96	-5.96	-1.85
		402	-43.98	-292.08	-78.05	-40.37	-379.76	-71.39	-5.96	-2.54
159	MAX3 MAX	403	27.83	210.21	34.59	14.57	155.90	28.31	1.43	1.84
		402	43.18	-1.12	63.93	27.76	97.99	60.70	1.43	3.13
		407	28.49	190.69	37.73	20.82	177.92	38.17	2.06	1.84
		406	44.49	9.33	67.06	19.40	88.17	70.57	2.06	3.13
159	MAX3 MIN	403	-43.03	-488.30	-37.73	-3.79	-430.76	-33.48	-4.49	-4.15
		402	-44.56	-298.19	-72.88	-40.60	-400.62	-68.35	-4.49	-1.17
		407	-42.18	-464.42	-37.64	-6.04	-456.04	-39.07	-8.625E-01	-4.15
		406	-44.43	-304.64	-72.79	-28.18	-393.70	-73.94	-8.625E-01	-1.17
160	MAX3 MAX	407	26.66	180.83	42.83	15.05	139.28	44.99	9.764E-01	2.62
		406	43.67	-8.66	71.08	24.08	81.65	72.90	9.764E-01	1.53
		411	22.26	167.50	58.30	16.24	151.60	64.70	1.56	2.62
		410	43.34	5.99	86.76	18.23	68.12	92.58	1.56	1.53
160	MAX3 MIN	407	-36.41	-440.90	-52.64	-5.430E-01	-412.65	-51.59	-2.519E-01	-2.820E-01
		406	-43.46	-279.76	-73.20	-32.86	-393.34	-76.86	-2.519E-01	-2.32
		411	-38.02	-444.28	-47.50	-7.41	-410.59	-53.50	-3.96	-2.820E-01
		410	-48.92	-311.03	-68.27	-32.92	-365.52	-78.75	-3.96	-2.32
161	MAX3 MAX	411	17.17	154.97	68.29	8.12	92.31	76.87	2.58	4.13
		410	41.23	-17.23	108.39	33.19	80.56	112.19	2.58	1.64
		2	27.95	117.72	52.10	22.75	135.79	62.57	3.90	4.13
		414	8.73	23.69	92.20	4.53	42.58	97.89	3.90	1.64
161	MAX3 MIN	411	-33.32	-445.09	-34.32	-9.11	-388.95	-42.83	-5.86	-8.13
		410	-40.51	-244.88	-79.37	-39.38	-346.88	-87.45	-5.86	-1.686E-01
		2	-88.59	-392.65	-40.59	-83.64	-468.49	-45.02	-1.71	-8.13
		414	-52.55	-271.10	-85.65	-70.56	-344.48	-89.63	-1.71	-1.686E-01
162	MAX3 MAX	399	-2.01	-9.89	19.39	22.35	111.62	19.47	1.58	3.13
		415	30.90	134.73	31.95	18.40	111.78	31.83	1.58	9.956E-01
		402	6.25	3.80	45.66	17.85	97.23	42.38	8.180E-01	3.13
		418	39.36	119.89	57.21	26.59	129.95	54.12	8.180E-01	9.956E-01
162	MAX3 MIN	399	-54.35	-258.50	-39.35	-85.39	-440.16	-36.53	-5.456E-01	-6.348E-01
		415	-82.47	-405.98	-23.57	-87.81	-445.42	-26.32	-5.456E-01	-1.13
		402	-28.22	-288.88	-74.72	-43.95	-394.83	-68.76	-2.41	-6.348E-01
		418	-56.53	-407.57	-57.93	-59.07	-432.89	-57.93	-2.41	-1.13
163	MAX3 MAX	402	9.06	-1.89	58.87	19.55	102.76	57.18	4.414E-01	8.944E-01
		418	42.00	120.75	60.52	25.15	135.09	55.60	4.414E-01	1.78
		406	19.18	11.79	70.28	12.15	88.30	72.22	3.821E-01	8.944E-01
		419	56.89	130.59	70.86	29.61	129.09	69.72	3.821E-01	1.78
163	MAX3 MIN	402	-35.31	-296.86	-70.43	-46.78	-413.80	-64.85	-1.44	-1.07
		418	-59.86	-419.66	-77.23	-62.66	-455.42	-76.77	-1.44	-9.136E-01
		406	-19.71	-312.75	-65.71	-20.58	-388.24	-67.82	-3.378E-01	-1.07
		419	-48.68	-432.14	-71.43	-48.68	-437.87	-78.82	-3.378E-01	-9.136E-01
164	MAX3 MAX	406	20.61	-10.41	73.98	12.24	85.98	74.10	1.568E-01	1.39
		419	54.90	122.05	69.60	32.72	141.72	70.36	1.568E-01	1.25
		410	7.74	6.59	73.31	7.82	68.26	81.10	5.587E-01	1.39
		422	42.50	126.97	68.13	22.34	132.33	76.58	5.587E-01	1.25
164	MAX3 MIN	406	-18.65	-281.28	-64.57	-23.01	-394.45	-71.53	-3.637E-01	-7.731E-01
		419	-43.58	-404.91	-59.19	-48.20	-435.70	-61.73	-3.637E-01	-9.360E-01
		410	-32.81	-311.92	-76.06	-35.66	-371.92	-83.49	-1.06	-7.731E-01
		422	-58.03	-423.61	-69.88	-55.06	-421.35	-72.90	-1.06	-9.360E-01
165	MAX3 MAX	410	10.64	-12.01	93.68	7.93	76.10	100.34	1.14	2.26
		422	31.79	90.17	78.14	23.15	119.62	87.62	1.14	1.32
		414	1.86	17.05	91.53	11.40	49.23	94.74	1.65	2.26
		423	28.27	120.82	75.22	13.15	86.25	81.25	1.65	1.32
165	MAX3 MIN	410	-24.17	-245.42	-84.68	-32.51	-353.63	-93.04	-2.41	-3.69
		422	-45.47	-367.73	-86.09	-55.87	-418.46	-88.17	-2.41	-6.325E-01
		414	-55.42	-273.93	-72.50	-67.70	-341.65	-76.52	-7.962E-01	-3.69

	423	-81.60	-398.43	-73.14	-77.97	-399.40	-70.89-7.962E-01	-6.325E-01
166	MAX3 MAX							
	415	24.14	127.89	31.68	25.16	118.63	32.10 5.717E-01	1.99
	426	88.25	434.09	39.26	81.98	417.08	38.83 5.717E-01	9.701E-01
	418	1.63	116.47	73.97	17.58	118.27	70.41 3.292E-01	1.99
	427	59.34	422.38	81.09	52.03	417.01	76.52 3.292E-01	9.701E-01
166	MAX3 MIN							
	415	-80.17	-403.72	-25.51	-90.11	-447.67	-24.38-2.453E-01	-6.895E-01
	426	-141.47	-704.44	-39.25	-150.00	-752.87	-40.50-2.453E-01	-6.350E-01
	418	-14.51	-399.60	-56.77	-36.36	-422.16	-60.57-9.677E-01	-6.895E-01
	427	-69.04	-700.31	-70.05	-74.25	-727.36	-76.07-9.677E-01	-6.350E-01
167	MAX3 MAX							
	418-6.151E-01		112.28	74.28	19.46	128.44	72.17 1.540E-01	1.06
	427	64.06	439.29	78.72	56.51	446.11	72.64 1.540E-01	1.31
	419	34.40	110.58	63.85	24.82	116.48	59.91 7.120E-02	1.06
	430	35.57	437.22	66.58	16.60	434.50	58.50 7.120E-02	1.31
167	MAX3 MIN							
	418	-16.08	-409.82	-75.93	-40.15	-446.55	-76.83-4.402E-01	-6.313E-01
	427	-76.51	-735.62	-50.54	-83.10	-773.71	-59.31-4.402E-01	-8.238E-01
	419	-37.07	-415.45	-78.68	-41.93	-423.72	-84.83-2.980E-01	-6.313E-01
	430	-33.87	-741.02	-51.57	-39.75	-751.11	-65.45-2.980E-01	-8.238E-01
168	MAX3 MAX							
	419	39.49	103.34	61.20	25.00	127.81	59.04 1.229E-01	1.11
	430	24.44	382.84	39.50	13.42	417.31	29.73 1.229E-01	1.41
	422	2.11	116.68	58.23	1.30	123.60	69.63 2.896E-01	1.11
	431	51.87	395.45	34.18	31.62	413.82	38.30 2.896E-01	1.41
168	MAX3 MIN							
	419	-37.94	-387.82	-61.58	-39.64	-421.95	-69.70-4.129E-01	-9.125E-01
	430	-26.08	-702.68	-60.57	-33.41	-718.80	-72.78-4.129E-01	-7.712E-01
	422	-16.13	-413.33	-53.38	-41.54	-413.80	-50.68-1.393E-01	-9.125E-01
	431	-68.44	-728.15	-50.02	-77.86	-710.69	-51.74-1.393E-01	-7.712E-01
169	MAX3 MAX							
	422	8.61	86.33	72.99-6.251E-01	104.43	74.45	5.363E-01	1.42
	431	40.06	346.19	39.13	26.57	378.81	53.14 5.363E-01	1.28
	423	20.93	113.88	57.97	20.49	93.20	71.89 7.440E-01	1.42
	434	76.44	372.93	23.34	71.83	368.39	49.78 7.440E-01	1.28
169	MAX3 MIN							
	422	-16.66	-359.98	-63.74	-43.74	-408.38	-70.32-9.273E-01	-1.80
	431	-41.68	-597.28	-43.52	-62.16	-629.27	-35.84-9.273E-01	-7.822E-01
	423	-78.41	-395.09	-87.72	-81.15	-402.74	-80.85-2.588E-01	-1.80
	434	-127.03	-632.12	-66.73	-124.17	-623.90	-45.56-2.588E-01	-7.822E-01
170	MAX3 MAX							
	426	86.19	431.84	39.04	84.04	419.33	39.05 1.116E-01	1.48
	45	172.99	864.08	89.98	167.47	838.23	90.00 1.116E-01	1.24
	427	44.90	403.32	67.65	39.63	394.81	62.61 9.555E-02	1.48
	435	41.82	835.38	118.66	33.43	813.88	113.88 9.555E-02	1.24
170	MAX3 MIN							
	426	-140.46	-703.54	-40.57	-151.00	-753.77	-39.17-1.403E-01	-7.051E-01
	45	-231.18	-1154.69	-52.08	-241.89	-1210.68	-53.58-1.403E-01	-5.896E-01
	427	-45.78	-678.35	-56.67	-50.80	-704.08	-65.40-2.505E-01	-7.051E-01
	435	-46.48	-1129.46	-68.26	-52.21	-1161.03	-80.13-2.505E-01	-5.896E-01
171	MAX3 MAX							
	427	38.34	417.91	64.78	30.39	426.22	58.54 7.474E-02	1.25
	435	15.06	699.32	14.86	11.46	706.30	11.05 7.474E-02	1.30
	430	22.51	426.60	49.69	23.39	427.69	41.85 2.586E-02	1.25
	438	41.79	707.75-6.086E-01	38.26	708.02		-5.72 2.586E-02	1.30
171	MAX3 MIN							
	427	-43.57	-713.00	-36.96	-44.35	-751.08	-48.16-1.082E-01	-6.757E-01
	435	-13.78	-965.33	-24.52	-20.90	-1005.12	-33.76-1.082E-01	-7.676E-01
	430	-17.69	-729.57	-23.01	-17.33	-738.66	-34.51-1.064E-01	-6.757E-01
	438	-30.16	-981.92	-12.81	-27.99	-992.66	-22.92-1.064E-01	-7.676E-01
172	MAX3 MAX							
	430	30.01	372.55	14.74	30.02	410.16	17.59 7.929E-02	1.28
	438	26.81	633.07	56.92	28.00	656.91	41.11 7.929E-02	1.08
	431	26.22	378.95	2.26	10.24	398.64	-6.27-1.525E-01	1.28
	439	25.02	639.23	41.38	1.49	645.64	13.91-1.525E-01	1.08

JOINT REACTIONS

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	MAX3 MAX	16.0177	11.2164	143.1063	0.9987	2.2107	0.4722
1	MAX3 MIN	-5.2754	-3.1978	-48.5663	-1.6591	-1.4287	-0.2993
12	MAX3 MAX	1.5255	0.1510	161.8612	0.0148	1.8374	6.786E-05
12	MAX3 MIN	-0.2497	0.0782	70.8203	-0.3341	0.0850	-6.791E-05
23	MAX3 MAX	1.5242	-0.0756	163.5543	0.2998	1.8317	6.786E-05
23	MAX3 MIN	-0.2496	-0.1467	73.3672	-0.0427	0.0884	-6.791E-05
34	MAX3 MAX	14.9450	2.0798	128.1094	1.5278	1.9502	0.3202
34	MAX3 MIN	-6.9344	-10.0273	-54.1996	-1.1021	-1.3983	-0.3842
45	MAX3 MAX	21.4430	0.1848	161.5203	0.1889	1.0531	0.2595
45	MAX3 MIN	-31.9869	-0.0731	-110.9552	-0.5119	-1.6527	-0.2327
56	MAX3 MAX	0.1756	6.654E-03	336.3181	0.2559	0.9976	1.561E-04
56	MAX3 MIN	-0.2127	-6.533E-03	161.2536	-0.3140	-1.0455	-1.562E-04
67	MAX3 MAX	0.1666	-2.783E-03	336.3738	0.2650	0.9307	1.561E-04
67	MAX3 MIN	-0.2051	-0.0151	161.3134	-0.3021	-0.9804	-1.562E-04

78	MAX3	MAX	15.5702	0.0701	115.8223	0.4542	0.7743	0.1924
78	MAX3	MIN	-23.1283	-0.1834	-79.2090	-0.2436	-1.2494	-0.2962
89	MAX3	MAX	0.0700	0.5902	168.3229	0.0218	0.4798	6.786E-05
89	MAX3	MIN	-0.0584	-0.2596	80.1094	-0.6961	-0.4646	-6.791E-05
100	MAX3	MAX	0.1742	-6.212E-03	327.9218	0.2696	0.9936	1.561E-04
100	MAX3	MIN	-0.2582	-0.0124	152.0831	-0.3047	-1.1017	-1.562E-04
111	MAX3	MAX	0.1659	3.404E-03	325.2479	0.2552	0.9286	1.561E-04
111	MAX3	MIN	-0.2662	-1.321E-03	153.0111	-0.3163	-1.0577	-1.562E-04
122	MAX3	MAX	0.0634	0.2563	167.8877	0.6692	0.3933	6.786E-05
122	MAX3	MIN	-0.0510	-0.5945	80.1337	-0.0417	-0.3771	-6.791E-05
133	MAX3	MAX	0.0553	0.5878	169.4871	0.0261	0.4604	6.786E-05
133	MAX3	MIN	-0.0553	-0.2626	80.7344	-0.6926	-0.4605	-6.791E-05
144	MAX3	MAX	0.1858	44.9246	222.8293	1.0187	0.4346	0.2242
144	MAX3	MIN	-0.2409	-21.0983	-105.7334	-2.1643	-0.4675	-0.2079
155	MAX3	MAX	25.4901	13.3781	246.8196	3.2258	3.2861	0.9000
155	MAX3	MIN	-14.0624	-28.7218	-136.8933	-1.7237	-2.1141	-0.6742
166	MAX3	MAX	0.0505	0.2605	168.9685	0.6626	0.3764	6.786E-05
166	MAX3	MIN	-0.0505	-0.5898	80.6270	-0.0476	-0.3766	-6.791E-05
177	MAX3	MAX	0.0553	0.5877	169.4872	0.0261	0.4604	6.786E-05
177	MAX3	MIN	-0.0553	-0.2626	80.7345	-0.6926	-0.4605	-6.791E-05
188	MAX3	MAX	0.2224	44.9025	222.8446	1.0173	0.4568	0.2069
188	MAX3	MIN	-0.1670	-21.0704	-105.7055	-2.1633	-0.4234	-0.2229
199	MAX3	MAX	14.0293	13.3290	246.8691	3.2235	2.1139	0.6803
199	MAX3	MIN	-25.4563	-28.6907	-136.8355	-1.7183	-3.2880	-0.9068
210	MAX3	MAX	0.0505	0.2605	168.9686	0.6627	0.3764	6.786E-05
210	MAX3	MIN	-0.0505	-0.5898	80.6272	-0.0475	-0.3765	-6.791E-05
221	MAX3	MAX	0.0588	0.5903	168.3227	0.0222	0.4647	6.786E-05
221	MAX3	MIN	-0.0705	-0.2596	80.1094	-0.6956	-0.4802	-6.791E-05
232	MAX3	MAX	0.2573	-6.228E-03	327.9229	0.2691	1.1009	1.561E-04
232	MAX3	MIN	-0.1734	-0.0125	152.0849	-0.3040	-0.9934	-1.562E-04
243	MAX3	MAX	0.2649	4.557E-03	325.2498	0.2544	1.0568	1.561E-04
243	MAX3	MIN	-0.1647	-2.424E-03	153.0124	-0.3153	-0.9282	-1.562E-04
254	MAX3	MAX	0.0512	0.2564	167.8880	0.6689	0.3772	6.786E-05
254	MAX3	MIN	-0.0636	-0.5945	80.1342	-0.0419	-0.3936	-6.791E-05
265	MAX3	MAX	32.0477	0.2260	161.5693	0.2178	1.6555	0.2306
265	MAX3	MIN	-21.4949	-0.1100	-110.9920	-0.5342	-1.0556	-0.2539
276	MAX3	MAX	0.2121	6.657E-03	336.2568	0.2558	1.0446	1.561E-04
276	MAX3	MIN	-0.1755	-6.551E-03	161.2095	-0.3139	-0.9978	-1.562E-04
287	MAX3	MAX	0.2049	-2.723E-03	336.3440	0.2650	0.9800	1.561E-04
287	MAX3	MIN	-0.1667	-0.0151	161.3094	-0.3020	-0.9310	-1.562E-04
298	MAX3	MAX	23.1563	0.0999	115.8356	0.4653	1.2506	0.2915
298	MAX3	MIN	-15.5911	-0.2059	-79.1954	-0.2669	-0.7752	-0.1915
309	MAX3	MAX	5.2562	11.2272	143.2227	0.9899	1.4342	0.3055
309	MAX3	MIN	-16.0191	-3.1932	-48.3652	-1.6407	-2.2129	-0.4801
320	MAX3	MAX	0.2489	0.1452	160.7576	0.0102	-0.0875	6.786E-05
320	MAX3	MIN	-1.5259	0.0826	70.0329	-0.3250	-1.8426	-6.791E-05
331	MAX3	MAX	0.2492	-0.0798	163.0158	0.2933	-0.0898	6.786E-05
331	MAX3	MIN	-1.5245	-0.1439	73.2943	-0.0382	-1.8348	-6.791E-05
342	MAX3	MAX	6.9169	2.0721	128.2481	1.5152	1.3989	0.3876
342	MAX3	MIN	-14.9477	-10.0345	-54.1201	-1.0933	-1.9497	-0.3243
353	MAX3	MAX	9.7239	0.2066	90.3649	1.2293	1.5860	0.5308
353	MAX3	MIN	-4.2471	-0.5782	-26.8196	-1.0508	-1.0080	-0.5411
361	MAX3	MAX	7.2358	0.1986	83.8171	0.9177	1.0637	0.3666
361	MAX3	MIN	-6.6930	-0.4257	-20.3902	-0.9832	-1.2656	-0.5116
366	MAX3	MAX	9.0442	0.1952	152.1785	1.1162	1.5593	0.1711
366	MAX3	MIN	-10.6944	-0.3796	-86.8866	-0.9104	-1.3700	-0.4621
374	MAX3	MAX	10.7465	0.2353	152.2152	1.1384	1.3720	0.4431
374	MAX3	MIN	-9.0889	-0.4159	-86.8438	-0.9410	-1.5618	-0.1607
382	MAX3	MAX	6.7149	0.2189	83.9732	0.9183	1.2667	0.4945
382	MAX3	MIN	-7.2558	-0.4426	-20.4283	-0.9915	-1.0648	-0.3594

387	MAX3	MAX	4.2397	0.2063	90.5830	1.2429	1.0074	0.5275
387	MAX3	MIN	-9.7247	-0.5757	-26.8765	-1.0565	-1.5869	-0.5214
393	MAX3	MAX	0.1912	16.0723	109.6599	1.0468	0.3499	0.2966
393	MAX3	MIN	-0.2718	-20.4164	-89.4068	-0.9102	-0.3560	-0.3521
395	MAX3	MAX	0.2104	24.1324	132.8147	0.7635	0.3495	0.2799
395	MAX3	MIN	-0.2798	-13.1961	-70.4116	-1.2263	-0.3570	-0.2345
399	MAX3	MAX	9.6559	0.5940	104.5495	0.8904	1.7688	0.5416
399	MAX3	MIN	-3.4011	-0.2135	-15.7654	-1.4352	-1.1247	-0.5262
404	MAX3	MAX	0.2973	16.1283	109.7239	1.0471	0.3736	0.3492
404	MAX3	MIN	-0.2159	-20.4463	-89.6766	-0.9070	-0.3686	-0.2932
405	MAX3	MAX	0.2878	24.1544	132.9221	0.7600	0.3620	0.2341
405	MAX3	MIN	-0.2185	-13.2216	-70.5980	-1.2256	-0.3552	-0.2797
415	MAX3	MAX	7.5556	0.4379	124.5189	0.8241	1.2574	0.4964
415	MAX3	MIN	-7.8023	-0.2045	-36.7221	-1.0872	-1.5181	-0.3838
426	MAX3	MAX	11.0182	0.3897	219.9009	0.7423	1.8735	0.4331
426	MAX3	MIN	-14.7207	-0.1977	-130.2399	-1.2982	-1.8288	-0.2058
442	MAX3	MAX	14.8360	0.4571	220.0011	0.7804	1.8336	0.1874
442	MAX3	MIN	-11.1144	-0.2486	-130.2690	-1.3392	-1.8787	-0.4108
458	MAX3	MAX	7.8713	0.4747	124.6414	0.8385	1.5220	0.3674
458	MAX3	MIN	-7.6081	-0.2339	-36.7042	-1.0957	-1.2604	-0.4742
469	MAX3	MAX	3.4160	0.5991	104.7982	0.8973	1.1257	0.5079
469	MAX3	MIN	-9.6680	-0.2196	-15.7956	-1.4556	-1.7709	-0.5240
1069	MAX3	MAX	19.3082	0.9011	222.8532	1.6134	2.2708	0.7908
1069	MAX3	MIN	-14.9340	-1.5925	-130.6645	-1.8320	-1.9785	-0.4381
1076	MAX3	MAX	16.2456	0.7717	215.2150	1.3021	1.7483	0.1599
1076	MAX3	MIN	-16.2510	-1.2778	-125.3604	-0.7863	-1.7489	-0.1610
1080	MAX3	MAX	14.8985	0.8808	222.8727	1.6096	1.9768	0.4325
1080	MAX3	MIN	-19.2803	-1.5709	-130.6415	-1.8266	-2.2704	-0.7875
1383	MAX3	MAX	0.8921	3.5709	138.0323	0.9778	1.5525	0.9221
1383	MAX3	MIN	-0.5037	-3.2256	-69.8933	-1.1604	-1.1595	-0.6075
1387	MAX3	MAX	0.6763	6.9624	139.2556	1.2609	1.0936	0.7372
1387	MAX3	MIN	-0.4679	-9.8490	-91.2972	-1.2676	-1.0626	-0.4902
1394	MAX3	MAX	0.6319	7.5314	168.2964	1.1283	0.9659	0.3849
1394	MAX3	MIN	-0.4603	-5.2893	-68.6591	-1.4202	-0.9403	-0.5905
1401	MAX3	MAX	0.8217	2.7062	114.3961	1.0957	1.3415	0.5497
1401	MAX3	MIN	-0.5149	-6.0428	-33.9383	-1.0311	-0.9819	-0.7676
1405	MAX3	MAX	0.4684	3.5891	138.1443	0.9765	1.1406	0.6220
1405	MAX3	MIN	-0.8548	-3.2143	-69.6848	-1.1676	-1.5440	-0.9348
1409	MAX3	MAX	0.4256	6.9199	139.1984	1.2554	1.0391	0.5010
1409	MAX3	MIN	-0.6325	-9.8570	-90.8923	-1.2504	-1.0670	-0.7510
1416	MAX3	MAX	0.4434	7.5487	168.1312	1.1168	0.9311	0.5951
1416	MAX3	MIN	-0.6147	-5.2882	-68.3381	-1.4148	-0.9551	-0.3876
1423	MAX3	MAX	0.4953	2.6998	114.5049	1.1029	0.9736	0.7710
1423	MAX3	MIN	-0.8014	-6.0631	-33.8689	-1.0321	-1.3399	-0.5539
1743	MAX3	MAX	0.3857	23.9933	324.4639	1.7773	1.0858	0.2324
1743	MAX3	MIN	-0.4836	-12.3532	-130.5708	-2.5210	-1.1740	-0.2292
1750	MAX3	MAX	0.4134	12.7927	224.9525	1.2090	0.9817	0.4872
1750	MAX3	MIN	-0.4760	-8.6343	-53.1420	-1.8443	-0.8974	-0.3612
1754	MAX3	MAX	0.5033	5.6683	181.8364	1.4051	0.9641	0.7498
1754	MAX3	MIN	-0.5072	-9.6570	-28.9058	-1.1977	-1.1579	-0.7097
1758	MAX3	MAX	0.7128	3.6584	178.6815	1.5186	1.1845	1.2253
1758	MAX3	MIN	-0.5644	-12.9018	-46.8463	-1.0906	-0.7873	-1.1320
1762	MAX3	MAX	1.2095	5.0562	182.5440	2.1306	1.5394	1.4142
1762	MAX3	MIN	-0.7505	-18.1545	-69.8405	-1.3356	-1.6424	-1.4884
1766	MAX3	MAX	0.4465	23.9291	324.4992	1.7741	1.1518	0.2303
1766	MAX3	MIN	-0.3488	-12.2947	-130.5367	-2.5180	-1.0635	-0.2327
1773	MAX3	MAX	0.4378	12.7266	224.9894	1.2056	0.8745	0.3633
1773	MAX3	MIN	-0.3753	-8.5756	-53.1076	-1.8405	-0.9590	-0.4884
1777	MAX3	MAX	0.4681	5.6001	181.8767	1.4020	1.1339	0.7146

1777	MAX3 MIN	-0.4638	-9.6009	-28.8724	-1.1937	-0.9406	-0.7536
1781	MAX3 MAX	0.5244	3.5846	178.7212	1.5157	0.7657	1.1411
1781	MAX3 MIN	-0.6713	-12.8458	-46.8112	-1.0863	-1.1638	-1.2332
1785	MAX3 MAX	0.7109	4.9759	182.5831	2.1276	1.6294	1.4982
1785	MAX3 MIN	-1.1677	-18.0942	-69.7999	-1.3304	-1.5282	-1.4230

S T E E L S T R E S S C H E C K O U T P U T (EUROCODE 3-1993)

FRAME ID	SECTION ID	/-----MOMENT INTERACTION CHECK-----/				/---SHEAR22---/		/---SHEAR33---/		
		COMBO	RATIO	=	AXL + B33 + B22	COMBO	RATIO	COMBO	RATIO	
11	HE220-M	MAX3	(C)	0.851	=	0.710 + 0.118 + 0.024	MAX3	0.038	MAX3	0.001
12	HE220-M	MAX3	(C)	0.774	=	0.550 + 0.184 + 0.041	MAX3	0.082	MAX3	0.004
21	HE220-M	MAX3	(C)	0.860	=	0.718 + 0.118 + 0.025	MAX3	0.038	MAX3	0.001
22	HE220-M	MAX3	(C)	0.775	=	0.556 + 0.184 + 0.036	MAX3	0.082	MAX3	0.004
51	HE260-M	MAX3	(C)	0.941	=	0.909 + 0.019 + 0.012	MAX3	0.003	MAX3	0.000
52	HE260-M	MAX3	(C)	0.758	=	0.728 + 0.021 + 0.009	MAX3	0.006	MAX3	0.000
61	HE260-M	MAX3	(C)	0.940	=	0.909 + 0.018 + 0.013	MAX3	0.003	MAX3	0.000
62	HE260-M	MAX3	(C)	0.756	=	0.728 + 0.020 + 0.008	MAX3	0.005	MAX3	0.000
81	HE220-M	MAX3	(C)	0.816	=	0.739 + 0.004 + 0.073	MAX3	0.001	MAX3	0.006
82	HE220-M	MAX3	(C)	0.664	=	0.571 + 0.014 + 0.079	MAX3	0.002	MAX3	0.011
91	HE260-M	MAX3	(C)	0.919	=	0.886 + 0.020 + 0.013	MAX3	0.004	MAX3	0.000
92	HE260-M	MAX3	(C)	0.744	=	0.709 + 0.027 + 0.008	MAX3	0.009	MAX3	0.000
101	HE260-M	MAX3	(C)	0.911	=	0.879 + 0.019 + 0.012	MAX3	0.004	MAX3	0.000
102	HE260-M	MAX3	(C)	0.738	=	0.703 + 0.027 + 0.009	MAX3	0.010	MAX3	0.000
111	HE220-M	MAX3	(C)	0.814	=	0.737 + 0.003 + 0.075	MAX3	0.001	MAX3	0.006
112	HE220-M	MAX3	(C)	0.657	=	0.570 + 0.011 + 0.077	MAX3	0.002	MAX3	0.011
121	HE220-M	MAX3	(C)	0.821	=	0.744 + 0.004 + 0.073	MAX3	0.001	MAX3	0.006
122	HE220-M	MAX3	(C)	0.665	=	0.576 + 0.011 + 0.078	MAX3	0.001	MAX3	0.011
151	HE220-M	MAX3	(C)	0.818	=	0.741 + 0.003 + 0.074	MAX3	0.001	MAX3	0.006
152	HE220-M	MAX3	(C)	0.658	=	0.574 + 0.008 + 0.076	MAX3	0.001	MAX3	0.011
161	HE220-M	MAX3	(C)	0.821	=	0.744 + 0.004 + 0.073	MAX3	0.001	MAX3	0.006
162	HE220-M	MAX3	(C)	0.665	=	0.576 + 0.011 + 0.078	MAX3	0.001	MAX3	0.011
191	HE220-M	MAX3	(C)	0.818	=	0.741 + 0.003 + 0.074	MAX3	0.001	MAX3	0.006
192	HE220-M	MAX3	(C)	0.658	=	0.574 + 0.008 + 0.076	MAX3	0.001	MAX3	0.011
201	HE220-M	MAX3	(C)	0.816	=	0.739 + 0.004 + 0.073	MAX3	0.002	MAX3	0.006
202	HE220-M	MAX3	(C)	0.664	=	0.571 + 0.014 + 0.079	MAX3	0.002	MAX3	0.011
211	HE260-M	MAX3	(C)	0.919	=	0.886 + 0.020 + 0.013	MAX3	0.004	MAX3	0.000
212	HE260-M	MAX3	(C)	0.744	=	0.709 + 0.027 + 0.008	MAX3	0.009	MAX3	0.000
221	HE260-M	MAX3	(C)	0.911	=	0.879 + 0.019 + 0.012	MAX3	0.004	MAX3	0.000
222	HE260-M	MAX3	(C)	0.738	=	0.703 + 0.027 + 0.009	MAX3	0.010	MAX3	0.000
231	HE220-M	MAX3	(C)	0.814	=	0.737 + 0.003 + 0.075	MAX3	0.001	MAX3	0.006
232	HE220-M	MAX3	(C)	0.657	=	0.570 + 0.011 + 0.077	MAX3	0.002	MAX3	0.011
251	HE260-M	MAX3	(C)	0.940	=	0.909 + 0.019 + 0.012	MAX3	0.003	MAX3	0.000
252	HE260-M	MAX3	(C)	0.758	=	0.728 + 0.021 + 0.009	MAX3	0.006	MAX3	0.000
261	HE260-M	MAX3	(C)	0.940	=	0.909 + 0.018 + 0.013	MAX3	0.003	MAX3	0.000
262	HE260-M	MAX3	(C)	0.756	=	0.728 + 0.020 + 0.008	MAX3	0.005	MAX3	0.000
291	HE220-M	MAX3	(C)	0.845	=	0.705 + 0.118 + 0.022	MAX3	0.038	MAX3	0.001
292	HE220-M	MAX3	(C)	0.772	=	0.546 + 0.184 + 0.043	MAX3	0.082	MAX3	0.004
301	HE220-M	MAX3	(C)	0.857	=	0.715 + 0.118 + 0.024	MAX3	0.038	MAX3	0.001

302	HE220-M	MAX3	(C)	0.776	= 0.554 + 0.184 + 0.038	MAX3	0.082	MAX3	0.004
331	HE160-M	MAX3	(T)	0.368	= 0.000 + 0.368 + 0.000	MAX3	0.232	MAX3	0.000
332	HE160-M	MAX3	(T)	0.374	= 0.000 + 0.374 + 0.000	MAX3	0.233	MAX3	0.000
341	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
342	HE160-M	MAX3	(T)	0.362	= 0.000 + 0.362 + 0.000	MAX3	0.231	MAX3	0.000
351	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
352	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
361	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
362	HE160-M	MAX3	(T)	0.362	= 0.000 + 0.362 + 0.000	MAX3	0.231	MAX3	0.000
371	HE160-M	MAX3	(T)	0.368	= 0.000 + 0.368 + 0.000	MAX3	0.232	MAX3	0.000
372	HE160-M	MAX3	(T)	0.374	= 0.000 + 0.374 + 0.000	MAX3	0.233	MAX3	0.000
391	HE160-M	MAX3	(T)	0.743	= 0.000 + 0.743 + 0.000	MAX3	0.472	MAX3	0.000
392	HE160-M	MAX3	(T)	0.718	= 0.000 + 0.718 + 0.000	MAX3	0.465	MAX3	0.000
401	HE160-M	MAX3	(T)	0.729	= 0.000 + 0.729 + 0.000	MAX3	0.463	MAX3	0.000
402	HE160-M	MAX3	(T)	0.728	= 0.000 + 0.728 + 0.000	MAX3	0.463	MAX3	0.000
411	HE160-M	MAX3	(T)	0.774	= 0.000 + 0.774 + 0.000	MAX3	0.474	MAX3	0.000
412	HE160-M	MAX3	(T)	0.806	= 0.000 + 0.806 + 0.000	MAX3	0.481	MAX3	0.000
421	HE160-M	MAX3	(T)	0.730	= 0.000 + 0.730 + 0.000	MAX3	0.463	MAX3	0.000
422	HE160-M	MAX3	(T)	0.731	= 0.000 + 0.731 + 0.000	MAX3	0.463	MAX3	0.000
431	HE160-M	MAX3	(T)	0.774	= 0.000 + 0.774 + 0.000	MAX3	0.474	MAX3	0.000
432	HE160-M	MAX3	(T)	0.806	= 0.000 + 0.806 + 0.000	MAX3	0.481	MAX3	0.000
441	HE160-M	MAX3	(T)	0.729	= 0.000 + 0.729 + 0.000	MAX3	0.463	MAX3	0.000
442	HE160-M	MAX3	(T)	0.728	= 0.000 + 0.728 + 0.000	MAX3	0.463	MAX3	0.000
451	HE160-M	MAX3	(T)	0.742	= 0.000 + 0.742 + 0.000	MAX3	0.472	MAX3	0.000
452	HE160-M	MAX3	(T)	0.718	= 0.000 + 0.718 + 0.000	MAX3	0.464	MAX3	0.000
461	HE160-M	MAX3	(T)	0.743	= 0.000 + 0.743 + 0.000	MAX3	0.472	MAX3	0.000
462	HE160-M	MAX3	(T)	0.719	= 0.000 + 0.719 + 0.000	MAX3	0.465	MAX3	0.000
471	HE160-M	MAX3	(T)	0.728	= 0.000 + 0.728 + 0.000	MAX3	0.463	MAX3	0.000
472	HE160-M	MAX3	(T)	0.728	= 0.000 + 0.728 + 0.000	MAX3	0.463	MAX3	0.000
481	HE160-M	MAX3	(T)	0.779	= 0.000 + 0.779 + 0.000	MAX3	0.475	MAX3	0.000
482	HE160-M	MAX3	(T)	0.821	= 0.000 + 0.821 + 0.000	MAX3	0.485	MAX3	0.000
501	HE160-M	MAX3	(T)	0.779	= 0.000 + 0.779 + 0.000	MAX3	0.475	MAX3	0.000
502	HE160-M	MAX3	(T)	0.821	= 0.000 + 0.821 + 0.000	MAX3	0.485	MAX3	0.000
511	HE160-M	MAX3	(T)	0.728	= 0.000 + 0.728 + 0.000	MAX3	0.463	MAX3	0.000
512	HE160-M	MAX3	(T)	0.728	= 0.000 + 0.728 + 0.000	MAX3	0.463	MAX3	0.000
521	HE160-M	MAX3	(T)	0.743	= 0.000 + 0.743 + 0.000	MAX3	0.472	MAX3	0.000
522	HE160-M	MAX3	(T)	0.719	= 0.000 + 0.719 + 0.000	MAX3	0.465	MAX3	0.000
541	HE160-M	MAX3	(T)	0.368	= 0.000 + 0.368 + 0.000	MAX3	0.232	MAX3	0.000
542	HE160-M	MAX3	(T)	0.375	= 0.000 + 0.375 + 0.000	MAX3	0.234	MAX3	0.000
551	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
552	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
561	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
562	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
571	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
572	HE160-M	MAX3	(T)	0.363	= 0.000 + 0.363 + 0.000	MAX3	0.231	MAX3	0.000
581	HE160-M	MAX3	(T)	0.368	= 0.000 + 0.368 + 0.000	MAX3	0.232	MAX3	0.000
582	HE160-M	MAX3	(T)	0.375	= 0.000 + 0.375 + 0.000	MAX3	0.234	MAX3	0.000
611	HE140-B	MAX3	(T)	0.333	= 0.000 + 0.333 + 0.000	MAX3	0.108	MAX3	0.000

612	HE140-B	MAX3	(T)	0.337	=	0.000	+	0.337	+	0.000	MAX3	0.108	MAX3	0.000
631	HE140-B	MAX3	(T)	0.655	=	0.000	+	0.655	+	0.000	MAX3	0.208	MAX3	0.000
632	HE140-B	MAX3	(T)	0.669	=	0.000	+	0.669	+	0.000	MAX3	0.210	MAX3	0.000
641	HE140-B	MAX3	(T)	0.645	=	0.000	+	0.645	+	0.000	MAX3	0.206	MAX3	0.000
642	HE140-B	MAX3	(T)	0.649	=	0.000	+	0.649	+	0.000	MAX3	0.207	MAX3	0.000
651	HE140-B	MAX3	(T)	0.650	=	0.000	+	0.650	+	0.000	MAX3	0.207	MAX3	0.000
652	HE140-B	MAX3	(T)	0.660	=	0.000	+	0.660	+	0.000	MAX3	0.208	MAX3	0.000
661	HE140-B	MAX3	(T)	0.645	=	0.000	+	0.645	+	0.000	MAX3	0.207	MAX3	0.000
662	HE140-B	MAX3	(T)	0.644	=	0.000	+	0.644	+	0.000	MAX3	0.207	MAX3	0.000
671	HE140-B	MAX3	(T)	0.645	=	0.000	+	0.645	+	0.000	MAX3	0.206	MAX3	0.000
672	HE140-B	MAX3	(T)	0.648	=	0.000	+	0.648	+	0.000	MAX3	0.207	MAX3	0.000
681	HE140-B	MAX3	(T)	0.648	=	0.000	+	0.648	+	0.000	MAX3	0.208	MAX3	0.000
682	HE140-B	MAX3	(T)	0.649	=	0.000	+	0.649	+	0.000	MAX3	0.207	MAX3	0.000
691	HE140-B	MAX3	(T)	0.650	=	0.000	+	0.650	+	0.000	MAX3	0.208	MAX3	0.000
692	HE140-B	MAX3	(T)	0.655	=	0.000	+	0.655	+	0.000	MAX3	0.208	MAX3	0.000
711	HE140-B	MAX3	(T)	0.661	=	0.000	+	0.661	+	0.000	MAX3	0.210	MAX3	0.000
712	HE140-B	MAX3	(T)	0.671	=	0.000	+	0.671	+	0.000	MAX3	0.210	MAX3	0.000
721	HE140-B	MAX3	(T)	0.650	=	0.000	+	0.650	+	0.000	MAX3	0.208	MAX3	0.000
722	HE140-B	MAX3	(T)	0.655	=	0.000	+	0.655	+	0.000	MAX3	0.208	MAX3	0.000
741	HE140-B	MAX3	(T)	0.661	=	0.000	+	0.661	+	0.000	MAX3	0.210	MAX3	0.000
742	HE140-B	MAX3	(T)	0.671	=	0.000	+	0.671	+	0.000	MAX3	0.210	MAX3	0.000
751	HE140-B	MAX3	(T)	0.645	=	0.000	+	0.645	+	0.000	MAX3	0.207	MAX3	0.000
752	HE140-B	MAX3	(T)	0.644	=	0.000	+	0.644	+	0.000	MAX3	0.207	MAX3	0.000
761	HE140-B	MAX3	(T)	0.645	=	0.000	+	0.645	+	0.000	MAX3	0.206	MAX3	0.000
762	HE140-B	MAX3	(T)	0.648	=	0.000	+	0.648	+	0.000	MAX3	0.207	MAX3	0.000
771	HE140-B	MAX3	(T)	0.648	=	0.000	+	0.648	+	0.000	MAX3	0.208	MAX3	0.000
772	HE140-B	MAX3	(T)	0.649	=	0.000	+	0.649	+	0.000	MAX3	0.207	MAX3	0.000
781	HE140-B	MAX3	(T)	0.655	=	0.000	+	0.655	+	0.000	MAX3	0.208	MAX3	0.000
782	HE140-B	MAX3	(T)	0.669	=	0.000	+	0.669	+	0.000	MAX3	0.210	MAX3	0.000
791	HE140-B	MAX3	(T)	0.645	=	0.000	+	0.645	+	0.000	MAX3	0.206	MAX3	0.000
792	HE140-B	MAX3	(T)	0.649	=	0.000	+	0.649	+	0.000	MAX3	0.207	MAX3	0.000
801	HE140-B	MAX3	(T)	0.650	=	0.000	+	0.650	+	0.000	MAX3	0.207	MAX3	0.000
802	HE140-B	MAX3	(T)	0.660	=	0.000	+	0.660	+	0.000	MAX3	0.208	MAX3	0.000
821	HE140-B	MAX3	(T)	0.333	=	0.000	+	0.333	+	0.000	MAX3	0.108	MAX3	0.000
822	HE140-B	MAX3	(T)	0.336	=	0.000	+	0.336	+	0.000	MAX3	0.108	MAX3	0.000
1183	HE140-B	MAX3	(T)	0.120	=	0.000	+	0.120	+	0.000	MAX3	0.065	MAX3	0.000
1186	HE140-B	MAX3	(T)	0.166	=	0.000	+	0.166	+	0.000	MAX3	0.076	MAX3	0.000
1211	HE140-B	MAX3	(T)	0.109	=	0.000	+	0.109	+	0.000	MAX3	0.060	MAX3	0.000
1214	HE140-B	MAX3	(T)	0.148	=	0.000	+	0.148	+	0.000	MAX3	0.067	MAX3	0.000
1243	HE140-B	MAX3	(T)	0.120	=	0.000	+	0.120	+	0.000	MAX3	0.065	MAX3	0.000
1246	HE140-B	MAX3	(T)	0.164	=	0.000	+	0.164	+	0.000	MAX3	0.076	MAX3	0.000
1271	HE140-B	MAX3	(T)	0.109	=	0.000	+	0.109	+	0.000	MAX3	0.060	MAX3	0.000
1274	HE140-B	MAX3	(T)	0.146	=	0.000	+	0.146	+	0.000	MAX3	0.067	MAX3	0.000

JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
34	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	MAX3 MAX	7.700E-04	8.197E-04	2.636E-04	4.485E-04	3.270E-04	1.075E-05
35	MAX3 MIN	-7.698E-04	-1.002E-03	-5.284E-04	-3.540E-04	-3.118E-04	-1.074E-05
36	MAX3 MAX	1.987E-03	2.164E-03	3.875E-04	6.843E-04	4.770E-04	3.081E-05
36	MAX3 MIN	-1.986E-03	-2.711E-03	-8.301E-04	-5.312E-04	-4.796E-04	-3.078E-05
37	MAX3 MAX	3.615E-03	3.997E-03	4.768E-04	8.856E-04	5.991E-04	5.948E-05
37	MAX3 MIN	-3.614E-03	-5.080E-03	-1.077E-03	-6.776E-04	-5.940E-04	-5.942E-05
38	MAX3 MAX	5.558E-03	6.215E-03	5.361E-04	1.043E-03	6.891E-04	9.524E-05
38	MAX3 MIN	-5.556E-03	-7.985E-03	-1.274E-03	-7.893E-04	-6.869E-04	-9.511E-05
39	MAX3 MAX	7.731E-03	8.722E-03	5.704E-04	1.165E-03	7.528E-04	1.366E-04
39	MAX3 MIN	-7.728E-03	-0.0113	-1.425E-03	-8.708E-04	-7.500E-04	-1.364E-04
40	MAX3 MAX	0.0101	0.0114	5.840E-04	1.252E-03	7.940E-04	1.821E-04
40	MAX3 MIN	-0.0101	-0.0149	-1.535E-03	-9.251E-04	-7.898E-04	-1.819E-04
41	MAX3 MAX	0.0125	0.0143	5.820E-04	1.308E-03	8.132E-04	2.306E-04
41	MAX3 MIN	-0.0125	-0.0188	-1.608E-03	-9.555E-04	-8.130E-04	-2.303E-04
42	MAX3 MAX	0.0149	0.0172	5.700E-04	1.341E-03	8.228E-04	2.810E-04
42	MAX3 MIN	-0.0149	-0.0228	-1.650E-03	-9.692E-04	-8.128E-04	-2.806E-04
43	MAX3 MAX	0.0174	0.0201	5.546E-04	1.349E-03	8.085E-04	3.323E-04
43	MAX3 MIN	-0.0174	-0.0268	-1.667E-03	-9.636E-04	-8.204E-04	-3.320E-04
44	MAX3 MAX	0.0198	0.0230	5.462E-04	1.353E-03	8.183E-04	3.840E-04
44	MAX3 MIN	-0.0198	-0.0309	-1.671E-03	-9.690E-04	-7.936E-04	-3.836E-04
78	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
78	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
79	MAX3 MAX	7.700E-04	8.197E-04	6.390E-04	5.753E-04	4.345E-04	1.075E-05
79	MAX3 MIN	-7.698E-04	-1.002E-03	-9.477E-04	-2.337E-04	-2.003E-04	-1.074E-05
80	MAX3 MAX	1.987E-03	2.164E-03	9.780E-04	7.762E-04	5.786E-04	3.081E-05
80	MAX3 MIN	-1.986E-03	-2.711E-03	-1.471E-03	-4.282E-04	-3.882E-04	-3.078E-05
81	MAX3 MAX	3.615E-03	3.997E-03	1.231E-03	9.836E-04	7.030E-04	5.948E-05
81	MAX3 MIN	-3.614E-03	-5.080E-03	-1.885E-03	-5.678E-04	-4.917E-04	-5.942E-05
82	MAX3 MAX	5.558E-03	6.214E-03	1.411E-03	1.140E-03	7.924E-04	9.524E-05
82	MAX3 MIN	-5.556E-03	-7.984E-03	-2.203E-03	-6.784E-04	-5.851E-04	-9.511E-05
83	MAX3 MAX	7.731E-03	8.720E-03	1.529E-03	1.262E-03	8.565E-04	1.366E-04
83	MAX3 MIN	-7.728E-03	-0.0113	-2.439E-03	-7.581E-04	-6.455E-04	-1.364E-04
84	MAX3 MAX	0.0101	0.0114	1.596E-03	1.348E-03	8.989E-04	1.821E-04
84	MAX3 MIN	-0.0101	-0.0149	-2.602E-03	-8.114E-04	-6.833E-04	-1.819E-04
85	MAX3 MAX	0.0125	0.0143	1.620E-03	1.406E-03	9.165E-04	2.306E-04
85	MAX3 MIN	-0.0125	-0.0188	-2.702E-03	-8.403E-04	-7.087E-04	-2.303E-04
86	MAX3 MAX	0.0149	0.0172	1.616E-03	1.433E-03	9.328E-04	2.810E-04
86	MAX3 MIN	-0.0149	-0.0228	-2.752E-03	-8.565E-04	-6.997E-04	-2.806E-04
87	MAX3 MAX	0.0174	0.0201	1.597E-03	1.468E-03	9.021E-04	3.323E-04
87	MAX3 MIN	-0.0174	-0.0268	-2.767E-03	-8.339E-04	-7.324E-04	-3.320E-04
88	MAX3 MAX	0.0198	0.0230	1.579E-03	1.322E-03	1.002E-03	3.840E-04
88	MAX3 MIN	-0.0198	-0.0308	-2.772E-03	-9.502E-04	-5.748E-04	-3.836E-04
122	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123	MAX3 MAX	7.700E-04	8.196E-04	-1.021E-03	1.095E-03	3.160E-04	1.075E-05
123	MAX3 MIN	-7.698E-04	-1.002E-03	-2.142E-03	3.141E-04	-3.041E-04	-1.074E-05
124	MAX3 MAX	1.987E-03	2.164E-03	-1.707E-03	1.053E-03	4.583E-04	3.081E-05
124	MAX3 MIN	-1.986E-03	-2.711E-03	-3.580E-03	-1.146E-04	-4.396E-04	-3.078E-05
125	MAX3 MAX	3.615E-03	3.996E-03	-2.313E-03	1.316E-03	5.765E-04	5.948E-05
125	MAX3 MIN	-3.614E-03	-5.079E-03	-4.849E-03	-1.850E-04	-5.505E-04	-5.942E-05
126	MAX3 MAX	5.558E-03	6.213E-03	-2.839E-03	1.449E-03	6.641E-04	9.524E-05
126	MAX3 MIN	-5.556E-03	-7.982E-03	-5.950E-03	-3.095E-04	-6.317E-04	-9.511E-05
127	MAX3 MAX	7.731E-03	8.718E-03	-3.287E-03	1.571E-03	7.265E-04	1.366E-04
127	MAX3 MIN	-7.728E-03	-0.0113	-6.884E-03	-3.816E-04	-6.889E-04	-1.364E-04
128	MAX3 MAX	0.0101	0.0114	-3.655E-03	1.649E-03	7.665E-04	1.821E-04

128	MAX3 MIN	-0.0101	-0.0149	-7.650E-03	-4.378E-04	-7.243E-04	-1.819E-04
129	MAX3 MAX	0.0125	0.0143	-3.945E-03	1.719E-03	7.881E-04	2.306E-04
129	MAX3 MIN	-0.0125	-0.0188	-8.249E-03	-4.545E-04	-7.432E-04	-2.303E-04
130	MAX3 MAX	0.0149	0.0172	-4.156E-03	1.689E-03	7.921E-04	2.810E-04
130	MAX3 MIN	-0.0149	-0.0228	-8.682E-03	-5.148E-04	-7.410E-04	-2.806E-04
131	MAX3 MAX	0.0174	0.0201	-4.289E-03	1.932E-03	7.968E-04	3.323E-04
131	MAX3 MIN	-0.0174	-0.0268	-8.948E-03	-3.245E-04	-7.619E-04	-3.320E-04
132	MAX3 MAX	0.0198	0.0230	-4.343E-03	1.011E-03	7.478E-04	3.840E-04
132	MAX3 MIN	-0.0198	-0.0308	-9.047E-03	-1.063E-03	-6.305E-04	-3.836E-04
166	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
166	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
167	MAX3 MAX	7.700E-04	8.196E-04	-1.028E-03	1.076E-03	3.152E-04	1.075E-05
167	MAX3 MIN	-7.698E-04	-1.002E-03	-2.156E-03	3.105E-04	-3.151E-04	-1.074E-05
168	MAX3 MAX	1.987E-03	2.164E-03	-1.718E-03	1.028E-03	4.554E-04	3.081E-05
168	MAX3 MIN	-1.986E-03	-2.710E-03	-3.603E-03	-1.190E-04	-4.552E-04	-3.078E-05
169	MAX3 MAX	3.615E-03	3.996E-03	-2.328E-03	1.281E-03	5.717E-04	5.948E-05
169	MAX3 MIN	-3.614E-03	-5.079E-03	-4.882E-03	-1.922E-04	-5.715E-04	-5.942E-05
170	MAX3 MAX	5.558E-03	6.212E-03	-2.859E-03	1.407E-03	6.573E-04	9.524E-05
170	MAX3 MIN	-5.556E-03	-7.981E-03	-5.992E-03	-3.185E-04	-6.571E-04	-9.511E-05
171	MAX3 MAX	7.731E-03	8.717E-03	-3.310E-03	1.524E-03	7.179E-04	1.366E-04
171	MAX3 MIN	-7.728E-03	-0.0113	-6.934E-03	-3.928E-04	-7.176E-04	-1.364E-04
172	MAX3 MAX	0.0101	0.0114	-3.681E-03	1.597E-03	7.561E-04	1.821E-04
172	MAX3 MIN	-0.0101	-0.0149	-7.707E-03	-4.509E-04	-7.557E-04	-1.819E-04
173	MAX3 MAX	0.0125	0.0143	-3.974E-03	1.665E-03	7.763E-04	2.306E-04
173	MAX3 MIN	-0.0125	-0.0188	-8.312E-03	-4.689E-04	-7.759E-04	-2.303E-04
174	MAX3 MAX	0.0149	0.0172	-4.187E-03	1.625E-03	7.782E-04	2.810E-04
174	MAX3 MIN	-0.0149	-0.0228	-8.749E-03	-5.320E-04	-7.780E-04	-2.806E-04
175	MAX3 MAX	0.0174	0.0201	-4.321E-03	1.897E-03	7.865E-04	3.323E-04
175	MAX3 MIN	-0.0174	-0.0268	-9.018E-03	-3.354E-04	-7.856E-04	-3.320E-04
176	MAX3 MAX	0.0198	0.0230	-4.375E-03	8.540E-04	7.157E-04	3.840E-04
176	MAX3 MIN	-0.0198	-0.0308	-9.118E-03	-1.105E-03	-7.170E-04	-3.836E-04
210	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
210	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
211	MAX3 MAX	7.700E-04	8.196E-04	-1.028E-03	1.076E-03	3.152E-04	1.075E-05
211	MAX3 MIN	-7.698E-04	-1.002E-03	-2.156E-03	3.106E-04	-3.151E-04	-1.074E-05
212	MAX3 MAX	1.987E-03	2.164E-03	-1.718E-03	1.028E-03	4.554E-04	3.081E-05
212	MAX3 MIN	-1.986E-03	-2.710E-03	-3.603E-03	-1.190E-04	-4.552E-04	-3.078E-05
213	MAX3 MAX	3.615E-03	3.996E-03	-2.328E-03	1.281E-03	5.717E-04	5.948E-05
213	MAX3 MIN	-3.614E-03	-5.078E-03	-4.882E-03	-1.920E-04	-5.715E-04	-5.942E-05
214	MAX3 MAX	5.558E-03	6.211E-03	-2.859E-03	1.407E-03	6.573E-04	9.524E-05
214	MAX3 MIN	-5.556E-03	-7.980E-03	-5.992E-03	-3.182E-04	-6.571E-04	-9.511E-05
215	MAX3 MAX	7.731E-03	8.715E-03	-3.310E-03	1.523E-03	7.179E-04	1.366E-04
215	MAX3 MIN	-7.728E-03	-0.0113	-6.934E-03	-3.926E-04	-7.176E-04	-1.364E-04
216	MAX3 MAX	0.0101	0.0114	-3.681E-03	1.597E-03	7.561E-04	1.821E-04
216	MAX3 MIN	-0.0101	-0.0149	-7.707E-03	-4.508E-04	-7.557E-04	-1.819E-04
217	MAX3 MAX	0.0125	0.0143	-3.974E-03	1.665E-03	7.762E-04	2.306E-04
217	MAX3 MIN	-0.0125	-0.0188	-8.312E-03	-4.687E-04	-7.760E-04	-2.303E-04
218	MAX3 MAX	0.0149	0.0171	-4.187E-03	1.625E-03	7.783E-04	2.810E-04
218	MAX3 MIN	-0.0149	-0.0228	-8.749E-03	-5.319E-04	-7.779E-04	-2.806E-04
219	MAX3 MAX	0.0174	0.0201	-4.321E-03	1.897E-03	7.859E-04	3.323E-04
219	MAX3 MIN	-0.0174	-0.0268	-9.018E-03	-3.353E-04	-7.862E-04	-3.320E-04
220	MAX3 MAX	0.0198	0.0230	-4.375E-03	8.539E-04	7.173E-04	3.840E-04
220	MAX3 MIN	-0.0198	-0.0308	-9.118E-03	-1.105E-03	-7.154E-04	-3.836E-04
254	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
254	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
255	MAX3 MAX	7.700E-04	8.196E-04	-1.021E-03	1.094E-03	3.042E-04	1.075E-05
255	MAX3 MIN	-7.698E-04	-1.001E-03	-2.142E-03	3.139E-04	-3.158E-04	-1.074E-05
256	MAX3 MAX	1.987E-03	2.164E-03	-1.707E-03	1.053E-03	4.398E-04	3.081E-05
256	MAX3 MIN	-1.986E-03	-2.710E-03	-3.580E-03	-1.144E-04	-4.581E-04	-3.078E-05

257	MAX3	MAX	3.615E-03	3.995E-03	-2.313E-03	1.315E-03	5.507E-04	5.948E-05
257	MAX3	MIN	-3.614E-03	-5.078E-03	-4.849E-03	-1.846E-04	-5.763E-04	-5.942E-05
258	MAX3	MAX	5.558E-03	6.210E-03	-2.839E-03	1.448E-03	6.319E-04	9.524E-05
258	MAX3	MIN	-5.556E-03	-7.978E-03	-5.950E-03	-3.088E-04	-6.639E-04	-9.511E-05
259	MAX3	MAX	7.731E-03	8.713E-03	-3.287E-03	1.570E-03	6.891E-04	1.366E-04
259	MAX3	MIN	-7.728E-03	-0.0113	-6.884E-03	-3.812E-04	-7.262E-04	-1.364E-04
260	MAX3	MAX	0.0101	0.0114	-3.655E-03	1.649E-03	7.245E-04	1.821E-04
260	MAX3	MIN	-0.0101	-0.0149	-7.650E-03	-4.376E-04	-7.661E-04	-1.819E-04
261	MAX3	MAX	0.0125	0.0143	-3.945E-03	1.719E-03	7.435E-04	2.306E-04
261	MAX3	MIN	-0.0125	-0.0188	-8.249E-03	-4.543E-04	-7.877E-04	-2.303E-04
262	MAX3	MAX	0.0149	0.0171	-4.156E-03	1.689E-03	7.413E-04	2.810E-04
262	MAX3	MIN	-0.0149	-0.0227	-8.682E-03	-5.146E-04	-7.917E-04	-2.806E-04
263	MAX3	MAX	0.0174	0.0201	-4.289E-03	1.931E-03	7.622E-04	3.323E-04
263	MAX3	MIN	-0.0174	-0.0268	-8.948E-03	-3.243E-04	-7.965E-04	-3.320E-04
264	MAX3	MAX	0.0198	0.0229	-4.343E-03	1.010E-03	6.307E-04	3.840E-04
264	MAX3	MIN	-0.0198	-0.0308	-9.047E-03	-1.063E-03	-7.475E-04	-3.836E-04
298	MAX3	MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
298	MAX3	MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
299	MAX3	MAX	7.700E-04	8.196E-04	6.387E-04	5.734E-04	2.003E-04	1.075E-05
299	MAX3	MIN	-7.698E-04	-1.001E-03	-9.475E-04	-2.336E-04	-4.343E-04	-1.074E-05
300	MAX3	MAX	1.987E-03	2.163E-03	9.776E-04	7.762E-04	3.884E-04	3.081E-05
300	MAX3	MIN	-1.986E-03	-2.710E-03	-1.471E-03	-4.282E-04	-5.782E-04	-3.078E-05
301	MAX3	MAX	3.615E-03	3.995E-03	1.230E-03	9.820E-04	4.917E-04	5.948E-05
301	MAX3	MIN	-3.614E-03	-5.077E-03	-1.884E-03	-5.670E-04	-7.028E-04	-5.942E-05
302	MAX3	MAX	5.558E-03	6.209E-03	1.411E-03	1.140E-03	5.854E-04	9.524E-05
302	MAX3	MIN	-5.556E-03	-7.977E-03	-2.203E-03	-6.784E-04	-7.920E-04	-9.511E-05
303	MAX3	MAX	7.731E-03	8.712E-03	1.529E-03	1.256E-03	6.455E-04	1.366E-04
303	MAX3	MIN	-7.728E-03	-0.0113	-2.439E-03	-7.540E-04	-8.561E-04	-1.364E-04
304	MAX3	MAX	0.0101	0.0114	1.596E-03	1.370E-03	6.848E-04	1.821E-04
304	MAX3	MIN	-0.0101	-0.0149	-2.602E-03	-8.272E-04	-8.996E-04	-1.819E-04
305	MAX3	MAX	0.0125	0.0142	1.620E-03	1.393E-03	7.089E-04	2.306E-04
305	MAX3	MIN	-0.0125	-0.0188	-2.702E-03	-8.306E-04	-9.161E-04	-2.303E-04
306	MAX3	MAX	0.0149	0.0171	1.616E-03	1.435E-03	7.000E-04	2.810E-04
306	MAX3	MIN	-0.0149	-0.0227	-2.752E-03	-8.583E-04	-9.324E-04	-2.806E-04
307	MAX3	MAX	0.0174	0.0201	1.596E-03	1.466E-03	7.327E-04	3.323E-04
307	MAX3	MIN	-0.0174	-0.0268	-2.767E-03	-8.325E-04	-9.018E-04	-3.320E-04
308	MAX3	MAX	0.0198	0.0229	1.578E-03	1.323E-03	5.751E-04	3.840E-04
308	MAX3	MIN	-0.0198	-0.0308	-2.772E-03	-9.505E-04	-1.001E-03	-3.836E-04
342	MAX3	MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
342	MAX3	MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
343	MAX3	MAX	7.700E-04	8.195E-04	2.633E-04	4.477E-04	3.119E-04	1.075E-05
343	MAX3	MIN	-7.698E-04	-1.001E-03	-5.291E-04	-3.523E-04	-3.269E-04	-1.074E-05
344	MAX3	MAX	1.987E-03	2.163E-03	3.870E-04	6.855E-04	4.798E-04	3.081E-05
344	MAX3	MIN	-1.986E-03	-2.709E-03	-8.312E-04	-5.353E-04	-4.768E-04	-3.078E-05
345	MAX3	MAX	3.615E-03	3.995E-03	4.758E-04	8.797E-04	5.943E-04	5.948E-05
345	MAX3	MIN	-3.614E-03	-5.076E-03	-1.079E-03	-6.651E-04	-5.988E-04	-5.942E-05
346	MAX3	MAX	5.558E-03	6.208E-03	5.351E-04	1.048E-03	6.868E-04	9.524E-05
346	MAX3	MIN	-5.556E-03	-7.975E-03	-1.276E-03	-8.064E-04	-6.891E-04	-9.511E-05
347	MAX3	MAX	7.731E-03	8.710E-03	5.691E-04	1.159E-03	7.503E-04	1.366E-04
347	MAX3	MIN	-7.728E-03	-0.0113	-1.427E-03	-8.581E-04	-7.525E-04	-1.364E-04
348	MAX3	MAX	0.0101	0.0114	5.829E-04	1.253E-03	7.902E-04	1.821E-04
348	MAX3	MIN	-0.0101	-0.0149	-1.537E-03	-9.288E-04	-7.936E-04	-1.819E-04
349	MAX3	MAX	0.0125	0.0142	5.809E-04	1.306E-03	8.132E-04	2.306E-04
349	MAX3	MIN	-0.0125	-0.0188	-1.610E-03	-9.531E-04	-8.128E-04	-2.303E-04
350	MAX3	MAX	0.0149	0.0171	5.688E-04	1.340E-03	8.131E-04	2.810E-04
350	MAX3	MIN	-0.0149	-0.0227	-1.652E-03	-9.691E-04	-8.224E-04	-2.806E-04
351	MAX3	MAX	0.0174	0.0201	5.535E-04	1.348E-03	8.207E-04	3.323E-04
351	MAX3	MIN	-0.0174	-0.0268	-1.669E-03	-9.627E-04	-8.082E-04	-3.320E-04
352	MAX3	MAX	0.0198	0.0229	5.450E-04	1.352E-03	7.939E-04	3.840E-04
352	MAX3	MIN	-0.0198	-0.0308	-1.673E-03	-9.685E-04	-8.180E-04	-3.836E-04

382	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
383	MAX3 MAX	6.925E-05	7.013E-05	2.178E-05	1.338E-04	1.044E-04	0.0000
383	MAX3 MIN	-6.574E-05	-7.005E-05	-9.174E-05	-1.260E-04	-8.925E-05	-3.836E-06
384	MAX3 MAX	2.280E-04	2.463E-04	4.387E-05	2.569E-04	1.563E-04	0.0000
384	MAX3 MIN	-2.237E-04	-2.687E-04	-1.870E-04	-2.157E-04	-1.872E-04	-1.208E-05
385	MAX3 MAX	4.635E-04	4.997E-04	6.706E-05	3.671E-04	2.804E-04	2.211E-06
385	MAX3 MIN	-4.596E-04	-5.848E-04	-2.782E-04	-2.802E-04	-2.441E-04	-1.258E-05
386	MAX3 MAX	7.700E-04	8.196E-04	8.485E-05	4.544E-04	2.797E-04	1.075E-05
386	MAX3 MIN	-7.698E-04	-1.001E-03	-3.644E-04	-3.505E-04	-3.241E-04	-1.074E-05
387	MAX3 MAX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
387	MAX3 MIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
388	MAX3 MAX	7.350E-05	7.420E-05	2.847E-05	1.375E-04	9.108E-05	6.941E-06
388	MAX3 MIN	-6.198E-05	-7.163E-05	-9.648E-05	-1.293E-04	-9.491E-05	-3.078E-06
389	MAX3 MAX	2.362E-04	2.482E-04	5.766E-05	2.572E-04	1.888E-04	1.244E-05
389	MAX3 MIN	-2.184E-04	-2.719E-04	-1.963E-04	-2.106E-04	-1.732E-04	-6.318E-06
390	MAX3 MAX	4.675E-04	4.994E-04	8.278E-05	3.638E-04	2.293E-04	9.941E-06
390	MAX3 MIN	-4.557E-04	-5.867E-04	-2.923E-04	-2.806E-04	-2.597E-04	-8.104E-06
391	MAX3 MAX	7.700E-04	8.196E-04	1.052E-04	4.500E-04	3.222E-04	1.075E-05
391	MAX3 MIN	-7.698E-04	-1.001E-03	-3.760E-04	-3.516E-04	-3.038E-04	-1.074E-05
392	MAX3 MAX	9.497E-05	8.082E-05	7.873E-05	1.360E-04	1.430E-04	2.614E-06
392	MAX3 MIN	-7.092E-05	-7.049E-05	-1.526E-04	-1.305E-04	-1.175E-04	-3.708E-06
397	MAX3 MAX	2.568E-04	2.480E-04	1.499E-04	2.518E-04	1.839E-04	7.679E-06
397	MAX3 MIN	-2.261E-04	-2.662E-04	-2.865E-04	-2.051E-04	-1.934E-04	-8.485E-06
398	MAX3 MAX	4.868E-04	4.990E-04	2.129E-04	3.700E-04	2.603E-04	8.830E-06
398	MAX3 MIN	-4.633E-04	-5.802E-04	-4.097E-04	-2.829E-04	-2.700E-04	-9.469E-06
481	MAX3 MAX	1.111E-03	1.210E-03	1.232E-04	5.270E-04	3.629E-04	1.511E-05
481	MAX3 MIN	-1.118E-03	-1.487E-03	-4.542E-04	-4.196E-04	-3.438E-04	-2.782E-05
482	MAX3 MAX	1.117E-03	1.211E-03	3.082E-04	5.128E-04	3.704E-04	2.066E-05
482	MAX3 MIN	-1.135E-03	-1.474E-03	-6.368E-04	-4.164E-04	-3.962E-04	-2.295E-05
483	MAX3 MAX	1.518E-03	1.660E-03	1.404E-04	6.113E-04	4.197E-04	2.349E-05
483	MAX3 MIN	-1.525E-03	-2.058E-03	-5.344E-04	-4.697E-04	-4.238E-04	-3.414E-05
484	MAX3 MAX	1.524E-03	1.660E-03	3.512E-04	6.257E-04	4.358E-04	2.748E-05
484	MAX3 MIN	-1.541E-03	-2.045E-03	-7.338E-04	-4.708E-04	-4.123E-04	-2.895E-05
485	MAX3 MAX	1.987E-03	2.164E-03	1.551E-04	6.856E-04	4.644E-04	3.081E-05
485	MAX3 MIN	-1.986E-03	-2.711E-03	-6.051E-04	-5.307E-04	-4.554E-04	-3.078E-05
486	MAX3 MAX	1.113E-03	1.207E-03	1.041E-04	5.327E-04	3.544E-04	1.522E-05
486	MAX3 MIN	-1.113E-03	-1.494E-03	-4.420E-04	-4.137E-04	-3.772E-04	-1.886E-05
487	MAX3 MAX	1.521E-03	1.656E-03	1.205E-04	6.069E-04	4.228E-04	1.942E-05
487	MAX3 MIN	-1.521E-03	-2.065E-03	-5.201E-04	-4.743E-04	-4.113E-04	-2.683E-05
488	MAX3 MAX	1.987E-03	2.164E-03	1.341E-04	6.810E-04	4.731E-04	3.081E-05
488	MAX3 MIN	-1.986E-03	-2.711E-03	-5.943E-04	-5.338E-04	-4.644E-04	-3.078E-05
489	MAX3 MAX	1.128E-03	1.200E-03	4.035E-04	5.268E-04	3.866E-04	3.112E-06
489	MAX3 MIN	-1.119E-03	-1.504E-03	-7.517E-04	-4.230E-04	-3.362E-04	-2.879E-05
490	MAX3 MAX	1.535E-03	1.659E-03	4.684E-04	5.953E-04	4.366E-04	3.066E-05
490	MAX3 MIN	-1.527E-03	-2.064E-03	-8.812E-04	-4.833E-04	-4.270E-04	-1.506E-05
491	MAX3 MAX	1.987E-03	2.164E-03	5.252E-04	6.950E-04	4.510E-04	3.081E-05
491	MAX3 MIN	-1.986E-03	-2.711E-03	-9.864E-04	-5.178E-04	-4.888E-04	-3.078E-05
492	MAX3 MAX	1.164E-03	1.173E-03	7.739E-04	4.773E-04	3.837E-04	-1.896E-05
492	MAX3 MIN	-1.136E-03	-1.527E-03	-1.128E-03	-4.636E-04	-4.413E-04	-5.494E-05
493	MAX3 MAX	1.561E-03	1.678E-03	8.842E-04	5.572E-04	3.781E-04	5.547E-05
493	MAX3 MIN	-1.550E-03	-2.044E-03	-1.295E-03	-5.342E-04	-4.261E-04	8.968E-06
494	MAX3 MAX	2.479E-03	2.729E-03	1.681E-04	7.530E-04	5.053E-04	4.025E-05
494	MAX3 MIN	-2.484E-03	-3.428E-03	-6.717E-04	-5.891E-04	-5.058E-04	-4.819E-05
495	MAX3 MAX	2.483E-03	2.730E-03	4.203E-04	7.448E-04	5.152E-04	4.288E-05
495	MAX3 MIN	-2.498E-03	-3.420E-03	-9.201E-04	-5.879E-04	-5.251E-04	-4.323E-05
496	MAX3 MAX	3.023E-03	3.342E-03	1.797E-04	8.259E-04	5.557E-04	5.049E-05
496	MAX3 MIN	-3.028E-03	-4.219E-03	-7.394E-04	-6.273E-04	-5.438E-04	-5.608E-05
497	MAX3 MAX	3.027E-03	3.342E-03	4.515E-04	8.336E-04	5.653E-04	5.230E-05
497	MAX3 MIN	-3.041E-03	-4.211E-03	-9.989E-04	-6.268E-04	-5.531E-04	-5.324E-05

498	MAX3	MAX	3.615E-03	3.997E-03	1.898E-04	8.860E-04	5.855E-04	5.948E-05
498	MAX3	MIN	-3.614E-03	-5.080E-03	-7.984E-04	-6.758E-04	-5.876E-04	-5.942E-05
499	MAX3	MAX	2.481E-03	2.727E-03	1.485E-04	7.585E-04	5.046E-04	4.166E-05
499	MAX3	MIN	-2.480E-03	-3.430E-03	-6.609E-04	-5.832E-04	-4.991E-04	-3.681E-05
500	MAX3	MAX	3.026E-03	3.339E-03	1.605E-04	8.249E-04	5.523E-04	4.770E-05
500	MAX3	MIN	-3.024E-03	-4.223E-03	-7.267E-04	-6.305E-04	-5.605E-04	-5.157E-05
501	MAX3	MAX	3.615E-03	3.997E-03	1.694E-04	8.840E-04	5.987E-04	5.948E-05
501	MAX3	MIN	-3.614E-03	-5.080E-03	-7.893E-04	-6.780E-04	-5.746E-04	-5.942E-05
502	MAX3	MAX	2.493E-03	2.723E-03	5.683E-04	7.522E-04	5.251E-04	3.051E-05
502	MAX3	MIN	-2.485E-03	-3.435E-03	-1.092E-03	-5.921E-04	-5.058E-04	-4.926E-05
503	MAX3	MAX	3.037E-03	3.344E-03	6.151E-04	8.173E-04	5.735E-04	5.910E-05
503	MAX3	MIN	-3.030E-03	-4.220E-03	-1.195E-03	-6.377E-04	-5.399E-04	-3.775E-05
504	MAX3	MAX	3.615E-03	3.997E-03	6.568E-04	9.000E-04	5.716E-04	5.948E-05
504	MAX3	MIN	-3.614E-03	-5.080E-03	-1.278E-03	-6.608E-04	-6.271E-04	-5.942E-05
505	MAX3	MAX	2.523E-03	2.700E-03	1.082E-03	7.059E-04	5.245E-04	1.001E-05
505	MAX3	MIN	-2.497E-03	-3.452E-03	-1.612E-03	-6.335E-04	-5.504E-04	-7.242E-05
506	MAX3	MAX	3.057E-03	3.365E-03	1.165E-03	7.823E-04	5.145E-04	8.420E-05
506	MAX3	MIN	-3.047E-03	-4.196E-03	-1.744E-03	-6.865E-04	-5.856E-04	-1.460E-05
507	MAX3	MAX	4.224E-03	4.701E-03	1.981E-04	9.390E-04	6.201E-04	7.012E-05
507	MAX3	MIN	-4.228E-03	-5.991E-03	-8.538E-04	-7.220E-04	-6.116E-04	-7.785E-05
508	MAX3	MAX	4.227E-03	4.702E-03	4.990E-04	9.303E-04	6.258E-04	7.294E-05
508	MAX3	MIN	-4.239E-03	-5.983E-03	-1.150E-03	-7.205E-04	-6.394E-04	-7.418E-05
509	MAX3	MAX	4.873E-03	5.442E-03	2.052E-04	9.969E-04	6.557E-04	8.302E-05
509	MAX3	MIN	-4.877E-03	-6.960E-03	-9.094E-04	-7.510E-04	-6.499E-04	-8.887E-05
510	MAX3	MAX	4.875E-03	5.443E-03	5.202E-04	1.005E-03	6.658E-04	8.496E-05
510	MAX3	MIN	-4.887E-03	-6.953E-03	-1.212E-03	-7.505E-04	-6.517E-04	-8.587E-05
511	MAX3	MAX	5.558E-03	6.215E-03	2.111E-04	1.044E-03	6.781E-04	9.524E-05
511	MAX3	MIN	-5.556E-03	-7.985E-03	-9.576E-04	-7.877E-04	-6.757E-04	-9.511E-05
512	MAX3	MAX	4.226E-03	4.699E-03	1.795E-04	9.438E-04	6.163E-04	7.202E-05
512	MAX3	MIN	-4.225E-03	-5.994E-03	-8.442E-04	-7.169E-04	-6.216E-04	-6.920E-05
513	MAX3	MAX	4.876E-03	5.439E-03	1.871E-04	9.955E-04	6.536E-04	8.068E-05
513	MAX3	MIN	-4.873E-03	-6.964E-03	-8.985E-04	-7.536E-04	-6.539E-04	-8.494E-05
514	MAX3	MAX	5.558E-03	6.215E-03	1.919E-04	1.042E-03	6.894E-04	9.524E-05
514	MAX3	MIN	-5.556E-03	-7.985E-03	-9.500E-04	-7.903E-04	-6.706E-04	-9.511E-05
515	MAX3	MAX	4.236E-03	4.694E-03	6.853E-04	9.373E-04	6.393E-04	6.092E-05
515	MAX3	MIN	-4.227E-03	-5.999E-03	-1.362E-03	-7.257E-04	-6.071E-04	-8.077E-05
516	MAX3	MAX	4.884E-03	5.443E-03	7.170E-04	9.871E-04	6.720E-04	9.228E-05
516	MAX3	MIN	-4.877E-03	-6.961E-03	-1.443E-03	-7.614E-04	-6.469E-04	-7.211E-05
517	MAX3	MAX	5.558E-03	6.214E-03	7.459E-04	1.057E-03	6.633E-04	9.524E-05
517	MAX3	MIN	-5.556E-03	-7.984E-03	-1.505E-03	-7.728E-04	-7.132E-04	-9.511E-05
518	MAX3	MAX	4.260E-03	4.670E-03	1.310E-03	8.920E-04	6.288E-04	3.988E-05
518	MAX3	MIN	-4.235E-03	-6.017E-03	-1.992E-03	-7.691E-04	-6.705E-04	-1.058E-04
519	MAX3	MAX	4.898E-03	5.465E-03	1.369E-03	9.502E-04	6.211E-04	1.171E-04
519	MAX3	MIN	-4.891E-03	-6.938E-03	-2.094E-03	-8.105E-04	-6.816E-04	-4.768E-05
520	MAX3	MAX	6.254E-03	7.025E-03	2.155E-04	1.085E-03	7.033E-04	1.076E-04
520	MAX3	MIN	-6.256E-03	-9.048E-03	-1.002E-03	-8.227E-04	-6.975E-04	-1.143E-04
521	MAX3	MAX	6.256E-03	7.026E-03	5.496E-04	1.078E-03	7.075E-04	1.101E-04
521	MAX3	MIN	-6.265E-03	-9.042E-03	-1.330E-03	-8.217E-04	-7.170E-04	-1.108E-04
522	MAX3	MAX	6.980E-03	7.862E-03	2.187E-04	1.130E-03	7.292E-04	1.224E-04
522	MAX3	MIN	-6.982E-03	-0.0102	-1.047E-03	-8.430E-04	-7.214E-04	-1.267E-04
523	MAX3	MAX	6.981E-03	7.863E-03	5.623E-04	1.136E-03	7.377E-04	1.239E-04
523	MAX3	MIN	-6.990E-03	-0.0102	-1.378E-03	-8.421E-04	-7.267E-04	-1.246E-04
524	MAX3	MAX	7.731E-03	8.721E-03	2.211E-04	1.166E-03	7.436E-04	1.366E-04
524	MAX3	MIN	-7.728E-03	-0.0113	-1.084E-03	-8.691E-04	-7.421E-04	-1.364E-04
525	MAX3	MAX	6.256E-03	7.023E-03	1.981E-04	1.090E-03	6.998E-04	1.101E-04
525	MAX3	MIN	-6.254E-03	-9.050E-03	-9.940E-04	-8.182E-04	-7.013E-04	-1.063E-04
526	MAX3	MAX	6.982E-03	7.859E-03	2.020E-04	1.129E-03	7.266E-04	1.204E-04
526	MAX3	MIN	-6.979E-03	-0.0102	-1.037E-03	-8.447E-04	-7.293E-04	-1.246E-04
527	MAX3	MAX	7.731E-03	8.721E-03	2.032E-04	1.163E-03	7.544E-04	1.366E-04
527	MAX3	MIN	-7.728E-03	-0.0113	-1.078E-03	-8.715E-04	-7.342E-04	-1.364E-04

528	MAX3	MAX	6.263E-03	7.018E-03	7.622E-04	1.083E-03	7.209E-04	9.887E-05
528	MAX3	MIN	-6.255E-03	-9.054E-03	-1.571E-03	-8.270E-04	-6.928E-04	-1.189E-04
529	MAX3	MAX	6.988E-03	7.863E-03	7.812E-04	1.121E-03	7.448E-04	1.322E-04
529	MAX3	MIN	-6.981E-03	-0.0102	-1.631E-03	-8.528E-04	-7.165E-04	-1.113E-04
530	MAX3	MAX	7.731E-03	8.720E-03	7.995E-04	1.179E-03	7.283E-04	1.366E-04
530	MAX3	MIN	-7.728E-03	-0.0113	-1.676E-03	-8.538E-04	-7.801E-04	-1.364E-04
531	MAX3	MAX	6.282E-03	6.994E-03	1.468E-03	1.038E-03	7.055E-04	7.753E-05
531	MAX3	MIN	-6.259E-03	-9.073E-03	-2.282E-03	-8.719E-04	-7.450E-04	-1.434E-04
532	MAX3	MAX	6.998E-03	7.885E-03	1.507E-03	1.083E-03	6.987E-04	1.567E-04
532	MAX3	MIN	-6.991E-03	-0.0101	-2.356E-03	-9.017E-04	-7.607E-04	-8.701E-05
533	MAX3	MAX	8.488E-03	9.607E-03	2.222E-04	1.195E-03	7.608E-04	1.502E-04
533	MAX3	MIN	-8.488E-03	-0.0125	-1.119E-03	-8.938E-04	-7.548E-04	-1.557E-04
534	MAX3	MAX	8.488E-03	9.609E-03	5.765E-04	1.189E-03	7.639E-04	1.524E-04
534	MAX3	MIN	-8.494E-03	-0.0125	-1.467E-03	-8.929E-04	-7.715E-04	-1.531E-04
535	MAX3	MAX	9.264E-03	0.0105	2.221E-04	1.228E-03	7.787E-04	1.663E-04
535	MAX3	MIN	-9.265E-03	-0.0137	-1.153E-03	-9.066E-04	-7.700E-04	-1.698E-04
536	MAX3	MAX	9.264E-03	0.0105	5.822E-04	1.233E-03	7.849E-04	1.677E-04
536	MAX3	MIN	-9.270E-03	-0.0137	-1.502E-03	-9.055E-04	-7.763E-04	-1.681E-04
537	MAX3	MAX	0.0101	0.0114	2.218E-04	1.252E-03	7.847E-04	1.821E-04
537	MAX3	MIN	-0.0101	-0.0149	-1.181E-03	-9.233E-04	-7.850E-04	-1.819E-04
538	MAX3	MAX	8.489E-03	9.605E-03	2.062E-04	1.199E-03	7.582E-04	1.529E-04
538	MAX3	MIN	-8.486E-03	-0.0125	-1.112E-03	-8.900E-04	-7.596E-04	-1.493E-04
539	MAX3	MAX	9.266E-03	0.0105	2.070E-04	1.227E-03	7.742E-04	1.647E-04
539	MAX3	MIN	-9.262E-03	-0.0137	-1.145E-03	-9.076E-04	-7.780E-04	-1.686E-04
540	MAX3	MAX	0.0101	0.0114	2.055E-04	1.250E-03	7.974E-04	1.821E-04
540	MAX3	MIN	-0.0101	-0.0149	-1.177E-03	-9.258E-04	-7.746E-04	-1.819E-04
541	MAX3	MAX	8.494E-03	9.600E-03	8.058E-04	1.192E-03	7.772E-04	1.417E-04
541	MAX3	MIN	-8.487E-03	-0.0125	-1.725E-03	-8.987E-04	-7.487E-04	-1.617E-04
542	MAX3	MAX	9.270E-03	0.0105	8.146E-04	1.219E-03	7.938E-04	1.764E-04
542	MAX3	MIN	-9.264E-03	-0.0137	-1.767E-03	-9.159E-04	-7.638E-04	-1.557E-04
543	MAX3	MAX	0.0101	0.0114	8.243E-04	1.265E-03	7.681E-04	1.821E-04
543	MAX3	MIN	-0.0101	-0.0149	-1.797E-03	-9.080E-04	-8.229E-04	-1.819E-04
544	MAX3	MAX	8.509E-03	9.576E-03	1.567E-03	1.149E-03	7.577E-04	1.199E-04
544	MAX3	MIN	-8.487E-03	-0.0125	-2.491E-03	-9.449E-04	-7.996E-04	-1.869E-04
545	MAX3	MAX	9.276E-03	0.0105	1.589E-03	1.181E-03	7.499E-04	2.008E-04
545	MAX3	MIN	-9.271E-03	-0.0137	-2.543E-03	-9.648E-04	-8.118E-04	-1.308E-04
546	MAX3	MAX	0.0109	0.0124	2.203E-04	1.271E-03	7.979E-04	1.967E-04
546	MAX3	MIN	-0.0109	-0.0162	-1.206E-03	-9.390E-04	-7.888E-04	-2.012E-04
547	MAX3	MAX	0.0109	0.0124	5.845E-04	1.267E-03	7.969E-04	1.988E-04
547	MAX3	MIN	-0.0109	-0.0162	-1.563E-03	-9.379E-04	-8.045E-04	-1.990E-04
548	MAX3	MAX	0.0117	0.0133	2.180E-04	1.294E-03	8.051E-04	2.140E-04
548	MAX3	MIN	-0.0117	-0.0175	-1.231E-03	-9.454E-04	-8.009E-04	-2.159E-04
549	MAX3	MAX	0.0117	0.0133	5.847E-04	1.298E-03	8.130E-04	2.149E-04
549	MAX3	MIN	-0.0117	-0.0175	-1.587E-03	-9.447E-04	-8.032E-04	-2.153E-04
550	MAX3	MAX	0.0125	0.0143	2.157E-04	1.310E-03	8.101E-04	2.306E-04
550	MAX3	MIN	-0.0125	-0.0188	-1.250E-03	-9.539E-04	-8.043E-04	-2.303E-04
551	MAX3	MAX	0.0109	0.0124	2.061E-04	1.275E-03	7.919E-04	1.998E-04
551	MAX3	MIN	-0.0108	-0.0162	-1.201E-03	-9.359E-04	-7.971E-04	-1.956E-04
552	MAX3	MAX	0.0117	0.0133	2.047E-04	1.294E-03	8.048E-04	2.123E-04
552	MAX3	MIN	-0.0117	-0.0175	-1.225E-03	-9.457E-04	-8.030E-04	-2.162E-04
553	MAX3	MAX	0.0125	0.0143	2.015E-04	1.307E-03	8.165E-04	2.306E-04
553	MAX3	MIN	-0.0125	-0.0188	-1.248E-03	-9.563E-04	-8.013E-04	-2.303E-04
554	MAX3	MAX	0.0109	0.0124	8.227E-04	1.268E-03	8.137E-04	1.883E-04
554	MAX3	MIN	-0.0108	-0.0162	-1.831E-03	-9.447E-04	-7.808E-04	-2.085E-04
555	MAX3	MAX	0.0117	0.0133	8.238E-04	1.286E-03	8.185E-04	2.243E-04
555	MAX3	MIN	-0.0117	-0.0175	-1.859E-03	-9.542E-04	-7.945E-04	-2.030E-04
556	MAX3	MAX	0.0125	0.0143	8.273E-04	1.323E-03	7.937E-04	2.306E-04
556	MAX3	MIN	-0.0125	-0.0188	-1.875E-03	-9.380E-04	-8.401E-04	-2.303E-04
557	MAX3	MAX	0.0109	0.0123	1.618E-03	1.225E-03	7.854E-04	1.664E-04

557	MAX3	MIN	-0.0108	-0.0162	-2.631E-03	-9.920E-04	-8.341E-04	-2.335E-04
558	MAX3	MAX	0.0117	0.0133	1.627E-03	1.246E-03	7.840E-04	2.483E-04
558	MAX3	MIN	-0.0117	-0.0175	-2.663E-03	-1.003E-03	-8.377E-04	-1.782E-04
559	MAX3	MAX	0.0133	0.0152	2.128E-04	1.319E-03	8.120E-04	2.458E-04
559	MAX3	MIN	-0.0133	-0.0201	-1.267E-03	-9.622E-04	-8.110E-04	-2.495E-04
560	MAX3	MAX	0.0133	0.0152	5.785E-04	1.317E-03	8.147E-04	2.475E-04
560	MAX3	MIN	-0.0133	-0.0201	-1.625E-03	-9.619E-04	-8.152E-04	-2.482E-04
561	MAX3	MAX	0.0141	0.0162	2.091E-04	1.333E-03	8.217E-04	2.631E-04
561	MAX3	MIN	-0.0141	-0.0214	-1.283E-03	-9.643E-04	-8.059E-04	-2.656E-04
562	MAX3	MAX	0.0141	0.0162	5.753E-04	1.335E-03	8.196E-04	2.646E-04
562	MAX3	MIN	-0.0141	-0.0214	-1.638E-03	-9.626E-04	-8.195E-04	-2.644E-04
563	MAX3	MAX	0.0149	0.0172	2.061E-04	1.340E-03	8.113E-04	2.810E-04
563	MAX3	MIN	-0.0149	-0.0228	-1.295E-03	-9.667E-04	-8.209E-04	-2.806E-04
564	MAX3	MAX	0.0133	0.0152	2.006E-04	1.323E-03	8.137E-04	2.485E-04
564	MAX3	MIN	-0.0133	-0.0201	-1.264E-03	-9.593E-04	-8.083E-04	-2.454E-04
565	MAX3	MAX	0.0141	0.0162	1.981E-04	1.333E-03	8.100E-04	2.617E-04
565	MAX3	MIN	-0.0141	-0.0214	-1.280E-03	-9.637E-04	-8.231E-04	-2.663E-04
566	MAX3	MAX	0.0149	0.0172	1.939E-04	1.336E-03	8.320E-04	2.810E-04
566	MAX3	MIN	-0.0149	-0.0228	-1.295E-03	-9.704E-04	-7.966E-04	-2.806E-04
567	MAX3	MAX	0.0133	0.0152	8.203E-04	1.316E-03	8.247E-04	2.373E-04
567	MAX3	MIN	-0.0133	-0.0201	-1.897E-03	-9.676E-04	-8.041E-04	-2.579E-04
568	MAX3	MAX	0.0141	0.0162	8.162E-04	1.325E-03	8.363E-04	2.734E-04
568	MAX3	MIN	-0.0141	-0.0214	-1.912E-03	-9.724E-04	-7.949E-04	-2.535E-04
569	MAX3	MAX	0.0149	0.0172	8.162E-04	1.351E-03	7.904E-04	2.810E-04
569	MAX3	MIN	-0.0149	-0.0228	-1.919E-03	-9.532E-04	-8.602E-04	-2.806E-04
570	MAX3	MAX	0.0133	0.0152	1.632E-03	1.275E-03	8.032E-04	2.147E-04
570	MAX3	MIN	-0.0133	-0.0201	-2.713E-03	-1.015E-03	-8.411E-04	-2.835E-04
571	MAX3	MAX	0.0141	0.0162	1.631E-03	1.285E-03	7.896E-04	2.973E-04
571	MAX3	MIN	-0.0141	-0.0214	-2.729E-03	-1.021E-03	-8.597E-04	-2.283E-04
572	MAX3	MAX	0.0157	0.0181	2.024E-04	1.343E-03	8.246E-04	2.977E-04
572	MAX3	MIN	-0.0157	-0.0241	-1.305E-03	-9.695E-04	-8.028E-04	-2.986E-04
573	MAX3	MAX	0.0157	0.0181	5.648E-04	1.341E-03	8.114E-04	2.993E-04
573	MAX3	MIN	-0.0157	-0.0241	-1.658E-03	-9.658E-04	-8.227E-04	-2.977E-04
574	MAX3	MAX	0.0166	0.0191	1.992E-04	1.351E-03	8.107E-04	3.169E-04
574	MAX3	MIN	-0.0166	-0.0255	-1.313E-03	-9.665E-04	-8.226E-04	-3.135E-04
575	MAX3	MAX	0.0166	0.0191	5.600E-04	1.354E-03	8.249E-04	3.156E-04
575	MAX3	MIN	-0.0166	-0.0255	-1.664E-03	-9.693E-04	-8.087E-04	-3.159E-04
576	MAX3	MAX	0.0174	0.0201	1.961E-04	1.353E-03	8.240E-04	3.323E-04
576	MAX3	MIN	-0.0174	-0.0268	-1.319E-03	-9.639E-04	-7.973E-04	-3.320E-04
577	MAX3	MAX	0.0157	0.0181	1.928E-04	1.345E-03	8.060E-04	3.013E-04
577	MAX3	MIN	-0.0157	-0.0241	-1.304E-03	-9.686E-04	-8.277E-04	-2.942E-04
578	MAX3	MAX	0.0166	0.0191	1.901E-04	1.351E-03	8.257E-04	3.156E-04
578	MAX3	MIN	-0.0166	-0.0255	-1.313E-03	-9.658E-04	-8.016E-04	-3.149E-04
579	MAX3	MAX	0.0174	0.0201	1.867E-04	1.355E-03	8.088E-04	3.323E-04
579	MAX3	MIN	-0.0174	-0.0268	-1.321E-03	-9.623E-04	-8.229E-04	-3.320E-04
580	MAX3	MAX	0.0157	0.0181	8.065E-04	1.335E-03	8.403E-04	2.899E-04
580	MAX3	MIN	-0.0157	-0.0241	-1.931E-03	-9.791E-04	-7.880E-04	-3.071E-04
581	MAX3	MAX	0.0166	0.0191	8.009E-04	1.343E-03	8.176E-04	3.279E-04
581	MAX3	MIN	-0.0166	-0.0254	-1.937E-03	-9.743E-04	-8.197E-04	-3.014E-04
582	MAX3	MAX	0.0174	0.0201	8.001E-04	1.376E-03	8.113E-04	3.323E-04
582	MAX3	MIN	-0.0174	-0.0268	-1.937E-03	-9.395E-04	-8.220E-04	-3.320E-04
583	MAX3	MAX	0.0158	0.0181	1.621E-03	1.292E-03	7.886E-04	2.675E-04
583	MAX3	MIN	-0.0157	-0.0241	-2.749E-03	-1.029E-03	-8.620E-04	-3.322E-04
584	MAX3	MAX	0.0166	0.0191	1.615E-03	1.301E-03	8.099E-04	3.531E-04
584	MAX3	MIN	-0.0166	-0.0254	-2.754E-03	-1.024E-03	-8.318E-04	-2.749E-04
585	MAX3	MAX	0.0182	0.0210	1.943E-04	1.350E-03	8.014E-04	3.471E-04
585	MAX3	MIN	-0.0182	-0.0282	-1.322E-03	-9.633E-04	-8.249E-04	-3.514E-04
586	MAX3	MAX	0.0182	0.0210	5.499E-04	1.349E-03	8.151E-04	3.487E-04
586	MAX3	MIN	-0.0182	-0.0282	-1.669E-03	-9.673E-04	-7.980E-04	-3.510E-04

587	MAX3	MAX	0.0190	0.0220	1.918E-04	1.349E-03	8.278E-04	3.643E-04
587	MAX3	MIN	-0.0190	-0.0295	-1.326E-03	-9.636E-04	-7.839E-04	-3.687E-04
588	MAX3	MAX	0.0190	0.0220	5.478E-04	1.348E-03	8.014E-04	3.668E-04
588	MAX3	MIN	-0.0190	-0.0295	-1.670E-03	-9.573E-04	-8.198E-04	-3.671E-04
589	MAX3	MAX	0.0198	0.0230	1.922E-04	1.349E-03	7.952E-04	3.840E-04
589	MAX3	MIN	-0.0198	-0.0309	-1.326E-03	-9.637E-04	-8.315E-04	-3.836E-04
590	MAX3	MAX	0.0182	0.0210	1.858E-04	1.355E-03	8.285E-04	3.447E-04
590	MAX3	MIN	-0.0182	-0.0282	-1.324E-03	-9.587E-04	-7.847E-04	-3.533E-04
591	MAX3	MAX	0.0190	0.0220	1.858E-04	1.347E-03	7.858E-04	3.589E-04
591	MAX3	MIN	-0.0190	-0.0295	-1.326E-03	-9.650E-04	-8.446E-04	-3.738E-04
592	MAX3	MAX	0.0198	0.0230	1.821E-04	1.340E-03	8.450E-04	3.840E-04
592	MAX3	MIN	-0.0198	-0.0309	-1.331E-03	-9.708E-04	-7.607E-04	-3.836E-04
593	MAX3	MAX	0.0182	0.0210	7.917E-04	1.362E-03	7.998E-04	3.281E-04
593	MAX3	MIN	-0.0182	-0.0282	-1.944E-03	-9.562E-04	-8.311E-04	-3.703E-04
594	MAX3	MAX	0.0190	0.0220	7.875E-04	1.334E-03	8.580E-04	3.559E-04
594	MAX3	MIN	-0.0190	-0.0295	-1.946E-03	-9.777E-04	-7.428E-04	-3.746E-04
595	MAX3	MAX	0.0198	0.0230	7.941E-04	1.332E-03	7.469E-04	3.840E-04
595	MAX3	MIN	-0.0198	-0.0309	-1.940E-03	-9.718E-04	-9.035E-04	-3.836E-04
596	MAX3	MAX	0.0182	0.0210	1.600E-03	1.335E-03	8.175E-04	3.051E-04
596	MAX3	MIN	-0.0182	-0.0282	-2.756E-03	-9.925E-04	-8.021E-04	-3.958E-04
597	MAX3	MAX	0.0190	0.0220	1.596E-03	1.320E-03	7.430E-04	3.581E-04
597	MAX3	MIN	-0.0190	-0.0295	-2.756E-03	-1.004E-03	-9.070E-04	-3.685E-04
598	MAX3	MAX	1.120E-03	1.200E-03	4.032E-04	5.265E-04	3.362E-04	2.875E-05
598	MAX3	MIN	-1.127E-03	-1.503E-03	-7.518E-04	-4.229E-04	-3.864E-04	-3.122E-06
599	MAX3	MAX	1.136E-03	1.173E-03	7.735E-04	4.773E-04	4.414E-04	5.452E-05
599	MAX3	MIN	-1.164E-03	-1.526E-03	-1.128E-03	-4.636E-04	-3.835E-04	1.875E-05
600	MAX3	MAX	1.528E-03	1.659E-03	4.680E-04	5.952E-04	4.271E-04	1.484E-05
600	MAX3	MIN	-1.534E-03	-2.063E-03	-8.813E-04	-4.832E-04	-4.363E-04	-3.080E-05
601	MAX3	MAX	1.550E-03	1.677E-03	8.838E-04	5.573E-04	4.261E-04	-8.959E-06
601	MAX3	MIN	-1.560E-03	-2.043E-03	-1.295E-03	-5.338E-04	-3.778E-04	-5.533E-05
602	MAX3	MAX	1.987E-03	2.163E-03	5.248E-04	6.948E-04	4.888E-04	3.081E-05
602	MAX3	MIN	-1.986E-03	-2.710E-03	-9.865E-04	-5.176E-04	-4.507E-04	-3.078E-05
603	MAX3	MAX	1.113E-03	1.206E-03	1.042E-04	5.325E-04	3.774E-04	1.864E-05
603	MAX3	MIN	-1.113E-03	-1.494E-03	-4.427E-04	-4.138E-04	-3.543E-04	-1.538E-05
604	MAX3	MAX	1.521E-03	1.655E-03	1.206E-04	6.066E-04	4.114E-04	2.698E-05
604	MAX3	MIN	-1.520E-03	-2.063E-03	-5.209E-04	-4.740E-04	-4.227E-04	-1.937E-05
605	MAX3	MAX	1.987E-03	2.163E-03	1.342E-04	6.808E-04	4.646E-04	3.081E-05
605	MAX3	MIN	-1.986E-03	-2.710E-03	-5.953E-04	-5.338E-04	-4.728E-04	-3.078E-05
606	MAX3	MAX	1.118E-03	1.210E-03	1.235E-04	5.266E-04	3.439E-04	2.795E-05
606	MAX3	MIN	-1.110E-03	-1.487E-03	-4.554E-04	-4.192E-04	-3.628E-04	-1.513E-05
607	MAX3	MAX	1.526E-03	1.660E-03	1.407E-04	6.112E-04	4.241E-04	3.398E-05
607	MAX3	MIN	-1.518E-03	-2.057E-03	-5.358E-04	-4.699E-04	-4.196E-04	-2.362E-05
608	MAX3	MAX	1.987E-03	2.163E-03	1.554E-04	6.850E-04	4.555E-04	3.081E-05
608	MAX3	MIN	-1.986E-03	-2.709E-03	-6.068E-04	-5.299E-04	-4.643E-04	-3.078E-05
609	MAX3	MAX	1.135E-03	1.211E-03	3.078E-04	5.132E-04	3.965E-04	2.312E-05
609	MAX3	MIN	-1.117E-03	-1.474E-03	-6.376E-04	-4.184E-04	-3.702E-04	-2.066E-05
610	MAX3	MAX	1.542E-03	1.660E-03	3.507E-04	6.240E-04	4.124E-04	2.881E-05
610	MAX3	MIN	-1.523E-03	-2.044E-03	-7.348E-04	-4.671E-04	-4.357E-04	-2.763E-05
611	MAX3	MAX	2.485E-03	2.723E-03	5.678E-04	7.517E-04	5.060E-04	4.899E-05
611	MAX3	MIN	-2.492E-03	-3.433E-03	-1.092E-03	-5.917E-04	-5.247E-04	-3.049E-05
612	MAX3	MAX	2.497E-03	2.699E-03	1.082E-03	7.056E-04	5.504E-04	7.243E-05
612	MAX3	MIN	-2.522E-03	-3.450E-03	-1.612E-03	-6.331E-04	-5.243E-04	-9.603E-06
613	MAX3	MAX	3.031E-03	3.342E-03	6.145E-04	8.164E-04	5.400E-04	3.792E-05
613	MAX3	MIN	-3.035E-03	-4.218E-03	-1.196E-03	-6.371E-04	-5.733E-04	-5.878E-05
614	MAX3	MAX	3.048E-03	3.364E-03	1.164E-03	7.814E-04	5.859E-04	1.436E-05
614	MAX3	MIN	-3.055E-03	-4.194E-03	-1.743E-03	-6.858E-04	-5.141E-04	-8.406E-05
615	MAX3	MAX	3.615E-03	3.995E-03	6.562E-04	8.985E-04	6.274E-04	5.948E-05
615	MAX3	MIN	-3.614E-03	-5.077E-03	-1.278E-03	-6.598E-04	-5.712E-04	-5.942E-05
616	MAX3	MAX	2.481E-03	2.726E-03	1.485E-04	7.579E-04	4.992E-04	3.710E-05
616	MAX3	MIN	-2.480E-03	-3.429E-03	-6.620E-04	-5.826E-04	-5.044E-04	-4.142E-05

617	MAX3	MAX	3.025E-03	3.337E-03	1.604E-04	8.239E-04	5.609E-04	5.136E-05
617	MAX3	MIN	-3.025E-03	-4.221E-03	-7.278E-04	-6.298E-04	-5.520E-04	-4.779E-05
618	MAX3	MAX	3.615E-03	3.995E-03	1.693E-04	8.826E-04	5.747E-04	5.948E-05
618	MAX3	MIN	-3.614E-03	-5.077E-03	-7.905E-04	-6.772E-04	-5.985E-04	-5.942E-05
619	MAX3	MAX	2.485E-03	2.728E-03	1.684E-04	7.526E-04	5.062E-04	4.806E-05
619	MAX3	MIN	-2.478E-03	-3.427E-03	-6.735E-04	-5.892E-04	-5.051E-04	-4.034E-05
620	MAX3	MAX	3.030E-03	3.340E-03	1.800E-04	8.248E-04	5.440E-04	5.660E-05
620	MAX3	MIN	-3.022E-03	-4.217E-03	-7.414E-04	-6.260E-04	-5.555E-04	-5.022E-05
621	MAX3	MAX	3.615E-03	3.995E-03	1.901E-04	8.847E-04	5.880E-04	5.948E-05
621	MAX3	MIN	-3.614E-03	-5.077E-03	-8.004E-04	-6.752E-04	-5.853E-04	-5.942E-05
622	MAX3	MAX	2.499E-03	2.729E-03	4.196E-04	7.419E-04	5.253E-04	4.301E-05
622	MAX3	MIN	-2.482E-03	-3.417E-03	-9.214E-04	-5.816E-04	-5.150E-04	-4.297E-05
623	MAX3	MAX	3.042E-03	3.341E-03	4.507E-04	8.362E-04	5.534E-04	5.372E-05
623	MAX3	MIN	-3.026E-03	-4.208E-03	-1.000E-03	-6.352E-04	-5.651E-04	-5.200E-05
624	MAX3	MAX	4.229E-03	4.691E-03	6.846E-04	9.355E-04	6.071E-04	8.088E-05
624	MAX3	MIN	-4.234E-03	-5.994E-03	-1.362E-03	-7.244E-04	-6.391E-04	-6.070E-05
625	MAX3	MAX	4.236E-03	4.667E-03	1.309E-03	8.900E-04	6.707E-04	1.054E-04
625	MAX3	MIN	-4.258E-03	-6.012E-03	-1.992E-03	-7.675E-04	-6.284E-04	-3.973E-05
626	MAX3	MAX	4.879E-03	5.439E-03	7.163E-04	9.856E-04	6.471E-04	7.202E-05
626	MAX3	MIN	-4.882E-03	-6.954E-03	-1.443E-03	-7.602E-04	-6.716E-04	-9.219E-05
627	MAX3	MAX	4.893E-03	5.460E-03	1.368E-03	9.491E-04	6.816E-04	4.764E-05
627	MAX3	MIN	-4.897E-03	-6.932E-03	-2.094E-03	-8.097E-04	-6.209E-04	-1.167E-04
628	MAX3	MAX	5.558E-03	6.209E-03	7.452E-04	1.056E-03	7.132E-04	9.524E-05
628	MAX3	MIN	-5.556E-03	-7.976E-03	-1.506E-03	-7.726E-04	-6.631E-04	-9.511E-05
629	MAX3	MAX	4.226E-03	4.696E-03	1.793E-04	9.419E-04	6.220E-04	6.905E-05
629	MAX3	MIN	-4.225E-03	-5.988E-03	-8.454E-04	-7.154E-04	-6.160E-04	-7.210E-05
630	MAX3	MAX	4.875E-03	5.434E-03	1.869E-04	9.940E-04	6.540E-04	8.521E-05
630	MAX3	MIN	-4.874E-03	-6.957E-03	-8.998E-04	-7.529E-04	-6.534E-04	-8.053E-05
631	MAX3	MAX	5.558E-03	6.209E-03	1.916E-04	1.040E-03	6.710E-04	9.524E-05
631	MAX3	MIN	-5.556E-03	-7.976E-03	-9.513E-04	-7.887E-04	-6.890E-04	-9.511E-05
632	MAX3	MAX	4.230E-03	4.698E-03	1.984E-04	9.373E-04	6.118E-04	7.849E-05
632	MAX3	MIN	-4.223E-03	-5.986E-03	-8.560E-04	-7.210E-04	-6.199E-04	-6.982E-05
633	MAX3	MAX	4.879E-03	5.437E-03	2.053E-04	9.947E-04	6.502E-04	8.891E-05
633	MAX3	MIN	-4.871E-03	-6.953E-03	-9.116E-04	-7.492E-04	-6.554E-04	-8.302E-05
634	MAX3	MAX	5.558E-03	6.209E-03	2.114E-04	1.043E-03	6.758E-04	9.524E-05
634	MAX3	MIN	-5.556E-03	-7.976E-03	-9.601E-04	-7.866E-04	-6.779E-04	-9.511E-05
635	MAX3	MAX	4.241E-03	4.699E-03	4.981E-04	9.341E-04	6.395E-04	7.490E-05
635	MAX3	MIN	-4.225E-03	-5.978E-03	-1.151E-03	-7.341E-04	-6.256E-04	-7.275E-05
636	MAX3	MAX	4.889E-03	5.438E-03	5.190E-04	9.960E-04	6.522E-04	8.600E-05
636	MAX3	MIN	-4.874E-03	-6.945E-03	-1.214E-03	-7.308E-04	-6.655E-04	-8.510E-05
637	MAX3	MAX	6.257E-03	7.012E-03	7.615E-04	1.082E-03	6.931E-04	1.190E-04
637	MAX3	MIN	-6.261E-03	-9.045E-03	-1.571E-03	-8.262E-04	-7.205E-04	-9.851E-05
638	MAX3	MAX	6.261E-03	6.989E-03	1.467E-03	1.038E-03	7.449E-04	1.433E-04
638	MAX3	MIN	-6.280E-03	-9.065E-03	-2.282E-03	-8.717E-04	-7.052E-04	-7.713E-05
639	MAX3	MAX	6.984E-03	7.856E-03	7.805E-04	1.119E-03	7.165E-04	1.112E-04
639	MAX3	MIN	-6.985E-03	-0.0101	-1.631E-03	-8.517E-04	-7.446E-04	-1.318E-04
640	MAX3	MAX	6.994E-03	7.880E-03	1.506E-03	1.082E-03	7.611E-04	8.710E-05
640	MAX3	MIN	-6.995E-03	-0.0101	-2.356E-03	-9.007E-04	-6.984E-04	-1.560E-04
641	MAX3	MAX	7.731E-03	8.711E-03	7.988E-04	1.174E-03	7.805E-04	1.366E-04
641	MAX3	MIN	-7.728E-03	-0.0113	-1.677E-03	-8.506E-04	-7.279E-04	-1.364E-04
642	MAX3	MAX	6.256E-03	7.016E-03	1.979E-04	1.088E-03	7.014E-04	1.063E-04
642	MAX3	MIN	-6.254E-03	-9.040E-03	-9.954E-04	-8.178E-04	-6.996E-04	-1.099E-04
643	MAX3	MAX	6.981E-03	7.851E-03	2.018E-04	1.127E-03	7.297E-04	1.250E-04
643	MAX3	MIN	-6.979E-03	-0.0101	-1.039E-03	-8.432E-04	-7.263E-04	-1.200E-04
644	MAX3	MAX	7.731E-03	8.711E-03	2.031E-04	1.160E-03	7.343E-04	1.366E-04
644	MAX3	MIN	-7.728E-03	-0.0113	-1.080E-03	-8.694E-04	-7.541E-04	-1.364E-04
645	MAX3	MAX	6.259E-03	7.017E-03	2.157E-04	1.083E-03	6.978E-04	1.146E-04
645	MAX3	MIN	-6.252E-03	-9.037E-03	-1.005E-03	-8.210E-04	-7.029E-04	-1.074E-04
646	MAX3	MAX	6.984E-03	7.853E-03	2.190E-04	1.128E-03	7.217E-04	1.264E-04

646	MAX3 MIN	-6.977E-03	-0.0101	-1.049E-03	-8.417E-04	-7.289E-04	-1.224E-04
647	MAX3 MAX	7.731E-03	8.711E-03	2.214E-04	1.163E-03	7.425E-04	1.366E-04
647	MAX3 MIN	-7.728E-03	-0.0113	-1.087E-03	-8.679E-04	-7.433E-04	-1.364E-04
648	MAX3 MAX	6.268E-03	7.018E-03	5.483E-04	1.069E-03	7.175E-04	1.111E-04
648	MAX3 MIN	-6.254E-03	-9.029E-03	-1.332E-03	-8.019E-04	-7.071E-04	-1.099E-04
649	MAX3 MAX	6.992E-03	7.852E-03	5.611E-04	1.140E-03	7.268E-04	1.243E-04
649	MAX3 MIN	-6.978E-03	-0.0101	-1.380E-03	-8.553E-04	-7.376E-04	-1.239E-04
650	MAX3 MAX	8.489E-03	9.588E-03	8.051E-04	1.186E-03	7.487E-04	1.614E-04
650	MAX3 MIN	-8.491E-03	-0.0125	-1.725E-03	-8.946E-04	-7.768E-04	-1.419E-04
651	MAX3 MAX	8.490E-03	9.563E-03	1.567E-03	1.140E-03	7.999E-04	1.869E-04
651	MAX3 MIN	-8.506E-03	-0.0125	-2.491E-03	-9.387E-04	-7.572E-04	-1.199E-04
652	MAX3 MAX	9.267E-03	0.0105	8.139E-04	1.219E-03	7.642E-04	1.557E-04
652	MAX3 MIN	-9.267E-03	-0.0137	-1.768E-03	-9.157E-04	-7.934E-04	-1.766E-04
653	MAX3 MAX	9.275E-03	0.0105	1.589E-03	1.179E-03	8.119E-04	1.299E-04
653	MAX3 MIN	-9.273E-03	-0.0136	-2.543E-03	-9.638E-04	-7.495E-04	-2.012E-04
654	MAX3 MAX	0.0101	0.0114	8.233E-04	1.278E-03	8.237E-04	1.821E-04
654	MAX3 MIN	-0.0101	-0.0149	-1.797E-03	-9.169E-04	-7.683E-04	-1.819E-04
655	MAX3 MAX	8.489E-03	9.593E-03	2.062E-04	1.195E-03	7.601E-04	1.497E-04
655	MAX3 MIN	-8.486E-03	-0.0125	-1.114E-03	-8.874E-04	-7.578E-04	-1.529E-04
656	MAX3 MAX	9.266E-03	0.0105	2.071E-04	1.227E-03	7.784E-04	1.686E-04
656	MAX3 MIN	-9.263E-03	-0.0137	-1.147E-03	-9.076E-04	-7.741E-04	-1.655E-04
657	MAX3 MAX	0.0101	0.0114	2.057E-04	1.255E-03	7.749E-04	1.821E-04
657	MAX3 MIN	-0.0101	-0.0149	-1.179E-03	-9.297E-04	-7.969E-04	-1.819E-04
658	MAX3 MAX	8.491E-03	9.595E-03	2.226E-04	1.193E-03	7.550E-04	1.556E-04
658	MAX3 MIN	-8.485E-03	-0.0125	-1.122E-03	-8.920E-04	-7.606E-04	-1.506E-04
659	MAX3 MAX	9.268E-03	0.0105	2.226E-04	1.228E-03	7.704E-04	1.704E-04
659	MAX3 MIN	-9.261E-03	-0.0137	-1.156E-03	-9.070E-04	-7.782E-04	-1.664E-04
660	MAX3 MAX	0.0101	0.0114	2.223E-04	1.253E-03	7.853E-04	1.821E-04
660	MAX3 MIN	-0.0101	-0.0149	-1.184E-03	-9.233E-04	-7.845E-04	-1.819E-04
661	MAX3 MAX	8.498E-03	9.596E-03	5.754E-04	1.192E-03	7.718E-04	1.530E-04
661	MAX3 MIN	-8.485E-03	-0.0125	-1.469E-03	-9.013E-04	-7.635E-04	-1.526E-04
662	MAX3 MAX	9.274E-03	0.0105	5.811E-04	1.230E-03	7.766E-04	1.687E-04
662	MAX3 MIN	-9.261E-03	-0.0137	-1.504E-03	-8.992E-04	-7.846E-04	-1.675E-04
663	MAX3 MAX	0.0109	0.0124	8.218E-04	1.275E-03	7.814E-04	2.098E-04
663	MAX3 MIN	-0.0109	-0.0162	-1.831E-03	-9.496E-04	-8.135E-04	-1.868E-04
664	MAX3 MAX	0.0109	0.0123	1.618E-03	1.238E-03	8.351E-04	2.357E-04
664	MAX3 MIN	-0.0109	-0.0162	-2.632E-03	-1.001E-03	-7.859E-04	-1.657E-04
665	MAX3 MAX	0.0117	0.0133	8.232E-04	1.275E-03	7.946E-04	2.037E-04
665	MAX3 MIN	-0.0117	-0.0175	-1.859E-03	-9.464E-04	-8.180E-04	-2.230E-04
666	MAX3 MAX	0.0117	0.0133	1.626E-03	1.227E-03	8.374E-04	1.797E-04
666	MAX3 MIN	-0.0117	-0.0175	-2.663E-03	-9.893E-04	-7.829E-04	-2.469E-04
667	MAX3 MAX	0.0125	0.0142	8.266E-04	1.314E-03	8.403E-04	2.306E-04
667	MAX3 MIN	-0.0125	-0.0188	-1.876E-03	-9.316E-04	-7.931E-04	-2.303E-04
668	MAX3 MAX	0.0109	0.0124	2.064E-04	1.277E-03	7.974E-04	1.956E-04
668	MAX3 MIN	-0.0108	-0.0162	-1.203E-03	-9.375E-04	-7.916E-04	-1.981E-04
669	MAX3 MAX	0.0117	0.0133	2.051E-04	1.289E-03	8.035E-04	2.166E-04
669	MAX3 MIN	-0.0117	-0.0175	-1.227E-03	-9.425E-04	-8.045E-04	-2.108E-04
670	MAX3 MAX	0.0125	0.0142	2.019E-04	1.302E-03	8.015E-04	2.306E-04
670	MAX3 MIN	-0.0125	-0.0188	-1.250E-03	-9.524E-04	-8.161E-04	-2.303E-04
671	MAX3 MAX	0.0109	0.0124	2.209E-04	1.271E-03	7.892E-04	2.017E-04
671	MAX3 MIN	-0.0108	-0.0162	-1.209E-03	-9.394E-04	-7.976E-04	-1.959E-04
672	MAX3 MAX	0.0117	0.0133	2.186E-04	1.292E-03	8.011E-04	2.161E-04
672	MAX3 MIN	-0.0117	-0.0175	-1.234E-03	-9.439E-04	-8.047E-04	-2.133E-04
673	MAX3 MAX	0.0125	0.0142	2.163E-04	1.307E-03	8.047E-04	2.306E-04
673	MAX3 MIN	-0.0125	-0.0188	-1.253E-03	-9.524E-04	-8.098E-04	-2.303E-04
674	MAX3 MAX	0.0109	0.0124	5.834E-04	1.264E-03	8.048E-04	1.995E-04
674	MAX3 MIN	-0.0108	-0.0162	-1.565E-03	-9.336E-04	-7.967E-04	-1.983E-04
675	MAX3 MAX	0.0117	0.0133	5.836E-04	1.298E-03	8.036E-04	2.155E-04
675	MAX3 MIN	-0.0117	-0.0175	-1.588E-03	-9.464E-04	-8.125E-04	-2.145E-04

676	MAX3	MAX	0.0133	0.0152	8.196E-04	1.315E-03	8.044E-04	2.579E-04
676	MAX3	MIN	-0.0133	-0.0201	-1.898E-03	-9.667E-04	-8.244E-04	-2.374E-04
677	MAX3	MAX	0.0133	0.0152	1.631E-03	1.274E-03	8.415E-04	2.836E-04
677	MAX3	MIN	-0.0133	-0.0201	-2.713E-03	-1.015E-03	-8.028E-04	-2.148E-04
678	MAX3	MAX	0.0141	0.0162	8.155E-04	1.327E-03	7.953E-04	2.538E-04
678	MAX3	MIN	-0.0141	-0.0214	-1.913E-03	-9.739E-04	-8.360E-04	-2.733E-04
679	MAX3	MAX	0.0141	0.0162	1.631E-03	1.289E-03	8.601E-04	2.283E-04
679	MAX3	MIN	-0.0141	-0.0214	-2.729E-03	-1.023E-03	-7.894E-04	-2.972E-04
680	MAX3	MAX	0.0149	0.0171	8.155E-04	1.352E-03	8.605E-04	2.810E-04
680	MAX3	MIN	-0.0149	-0.0227	-1.919E-03	-9.542E-04	-7.902E-04	-2.806E-04
681	MAX3	MAX	0.0133	0.0152	2.010E-04	1.322E-03	8.087E-04	2.457E-04
681	MAX3	MIN	-0.0133	-0.0201	-1.266E-03	-9.584E-04	-8.134E-04	-2.486E-04
682	MAX3	MAX	0.0141	0.0162	1.986E-04	1.333E-03	8.234E-04	2.665E-04
682	MAX3	MIN	-0.0141	-0.0214	-1.282E-03	-9.642E-04	-8.097E-04	-2.617E-04
683	MAX3	MAX	0.0149	0.0171	1.944E-04	1.337E-03	7.970E-04	2.810E-04
683	MAX3	MIN	-0.0149	-0.0227	-1.297E-03	-9.709E-04	-8.316E-04	-2.806E-04
684	MAX3	MAX	0.0133	0.0152	2.134E-04	1.318E-03	8.113E-04	2.498E-04
684	MAX3	MIN	-0.0133	-0.0201	-1.270E-03	-9.609E-04	-8.117E-04	-2.459E-04
685	MAX3	MAX	0.0141	0.0162	2.097E-04	1.332E-03	8.062E-04	2.659E-04
685	MAX3	MIN	-0.0141	-0.0214	-1.286E-03	-9.641E-04	-8.213E-04	-2.630E-04
686	MAX3	MAX	0.0149	0.0171	2.067E-04	1.339E-03	8.212E-04	2.810E-04
686	MAX3	MIN	-0.0149	-0.0227	-1.298E-03	-9.664E-04	-8.110E-04	-2.806E-04
687	MAX3	MAX	0.0133	0.0152	5.773E-04	1.316E-03	8.156E-04	2.485E-04
687	MAX3	MIN	-0.0133	-0.0201	-1.627E-03	-9.622E-04	-8.144E-04	-2.474E-04
688	MAX3	MAX	0.0141	0.0162	5.742E-04	1.334E-03	8.197E-04	2.648E-04
688	MAX3	MIN	-0.0141	-0.0214	-1.640E-03	-9.610E-04	-8.193E-04	-2.644E-04
689	MAX3	MAX	0.0157	0.0181	8.058E-04	1.335E-03	7.883E-04	3.076E-04
689	MAX3	MIN	-0.0157	-0.0241	-1.932E-03	-9.787E-04	-8.399E-04	-2.895E-04
690	MAX3	MAX	0.0157	0.0181	1.620E-03	1.291E-03	8.623E-04	3.326E-04
690	MAX3	MIN	-0.0157	-0.0241	-2.749E-03	-1.029E-03	-7.883E-04	-2.671E-04
691	MAX3	MAX	0.0166	0.0191	8.002E-04	1.342E-03	8.199E-04	3.018E-04
691	MAX3	MIN	-0.0166	-0.0254	-1.938E-03	-9.734E-04	-8.173E-04	-3.275E-04
692	MAX3	MAX	0.0166	0.0191	1.615E-03	1.299E-03	8.322E-04	2.753E-04
692	MAX3	MIN	-0.0166	-0.0254	-2.754E-03	-1.023E-03	-8.096E-04	-3.526E-04
693	MAX3	MAX	0.0174	0.0201	7.993E-04	1.374E-03	8.224E-04	3.323E-04
693	MAX3	MIN	-0.0174	-0.0268	-1.937E-03	-9.385E-04	-8.110E-04	-3.320E-04
694	MAX3	MAX	0.0157	0.0181	1.933E-04	1.344E-03	8.280E-04	2.945E-04
694	MAX3	MIN	-0.0157	-0.0241	-1.306E-03	-9.681E-04	-8.057E-04	-3.009E-04
695	MAX3	MAX	0.0166	0.0191	1.906E-04	1.349E-03	8.019E-04	3.153E-04
695	MAX3	MIN	-0.0166	-0.0254	-1.315E-03	-9.650E-04	-8.254E-04	-3.152E-04
696	MAX3	MAX	0.0174	0.0201	1.872E-04	1.353E-03	8.232E-04	3.323E-04
696	MAX3	MIN	-0.0174	-0.0268	-1.323E-03	-9.614E-04	-8.085E-04	-3.320E-04
697	MAX3	MAX	0.0157	0.0181	2.031E-04	1.343E-03	8.031E-04	2.990E-04
697	MAX3	MIN	-0.0157	-0.0241	-1.308E-03	-9.691E-04	-8.242E-04	-2.973E-04
698	MAX3	MAX	0.0166	0.0191	1.998E-04	1.350E-03	8.229E-04	3.139E-04
698	MAX3	MIN	-0.0166	-0.0254	-1.316E-03	-9.657E-04	-8.103E-04	-3.165E-04
699	MAX3	MAX	0.0174	0.0201	1.967E-04	1.352E-03	7.977E-04	3.323E-04
699	MAX3	MIN	-0.0174	-0.0268	-1.322E-03	-9.633E-04	-8.237E-04	-3.320E-04
700	MAX3	MAX	0.0157	0.0181	5.636E-04	1.340E-03	8.230E-04	2.981E-04
700	MAX3	MIN	-0.0157	-0.0241	-1.660E-03	-9.648E-04	-8.111E-04	-2.990E-04
701	MAX3	MAX	0.0166	0.0191	5.589E-04	1.353E-03	8.090E-04	3.163E-04
701	MAX3	MIN	-0.0166	-0.0254	-1.666E-03	-9.690E-04	-8.245E-04	-3.153E-04
702	MAX3	MAX	0.0182	0.0210	7.909E-04	1.361E-03	8.313E-04	3.707E-04
702	MAX3	MIN	-0.0182	-0.0281	-1.944E-03	-9.555E-04	-7.995E-04	-3.277E-04
703	MAX3	MAX	0.0182	0.0210	1.599E-03	1.334E-03	8.024E-04	3.962E-04
703	MAX3	MIN	-0.0182	-0.0282	-2.756E-03	-9.917E-04	-8.172E-04	-3.048E-04
704	MAX3	MAX	0.0190	0.0220	7.867E-04	1.334E-03	7.432E-04	3.749E-04
704	MAX3	MIN	-0.0190	-0.0295	-1.947E-03	-9.775E-04	-8.577E-04	-3.555E-04
705	MAX3	MAX	0.0190	0.0220	1.596E-03	1.320E-03	9.073E-04	3.688E-04
705	MAX3	MIN	-0.0190	-0.0295	-2.756E-03	-1.004E-03	-7.427E-04	-3.578E-04

706	MAX3	MAX	0.0198	0.0229	7.934E-04	1.332E-03	9.038E-04	3.840E-04
706	MAX3	MIN	-0.0198	-0.0308	-1.940E-03	-9.717E-04	-7.466E-04	-3.836E-04
707	MAX3	MAX	0.0182	0.0210	1.864E-04	1.354E-03	7.851E-04	3.537E-04
707	MAX3	MIN	-0.0182	-0.0281	-1.327E-03	-9.581E-04	-8.282E-04	-3.443E-04
708	MAX3	MAX	0.0190	0.0220	1.863E-04	1.346E-03	8.449E-04	3.742E-04
708	MAX3	MIN	-0.0190	-0.0295	-1.329E-03	-9.646E-04	-7.855E-04	-3.585E-04
709	MAX3	MAX	0.0198	0.0229	1.827E-04	1.340E-03	7.610E-04	3.840E-04
709	MAX3	MIN	-0.0198	-0.0308	-1.333E-03	-9.705E-04	-8.447E-04	-3.836E-04
710	MAX3	MAX	0.0182	0.0210	1.949E-04	1.349E-03	8.252E-04	3.519E-04
710	MAX3	MIN	-0.0182	-0.0281	-1.325E-03	-9.626E-04	-8.011E-04	-3.468E-04
711	MAX3	MAX	0.0190	0.0220	1.924E-04	1.348E-03	7.842E-04	3.691E-04
711	MAX3	MIN	-0.0190	-0.0295	-1.329E-03	-9.631E-04	-8.275E-04	-3.640E-04
712	MAX3	MAX	0.0198	0.0229	1.929E-04	1.348E-03	8.317E-04	3.840E-04
712	MAX3	MIN	-0.0198	-0.0308	-1.329E-03	-9.632E-04	-7.949E-04	-3.836E-04
713	MAX3	MAX	0.0182	0.0210	5.487E-04	1.348E-03	7.984E-04	3.514E-04
713	MAX3	MIN	-0.0182	-0.0281	-1.671E-03	-9.669E-04	-8.148E-04	-3.484E-04
714	MAX3	MAX	0.0190	0.0220	5.466E-04	1.347E-03	8.200E-04	3.675E-04
714	MAX3	MIN	-0.0190	-0.0295	-1.672E-03	-9.566E-04	-8.011E-04	-3.664E-04



DİKDÖRTGEN KOLON BETONARME KESİT HESABI

HESAP YÖNTEMİ : TAŞIMA GÜCÜ

$f_{yk} = 4200 \text{ kg/cm}^2$

$f_{ck} = 250 \text{ kg/cm}^2$

$N = 140.0 \text{ t}$

$M_x = 560.0 \text{ tm}$

$M_y = 0.00 \text{ tm}$

$B = 30 \text{ cm}$

$D = 400 \text{ cm}$

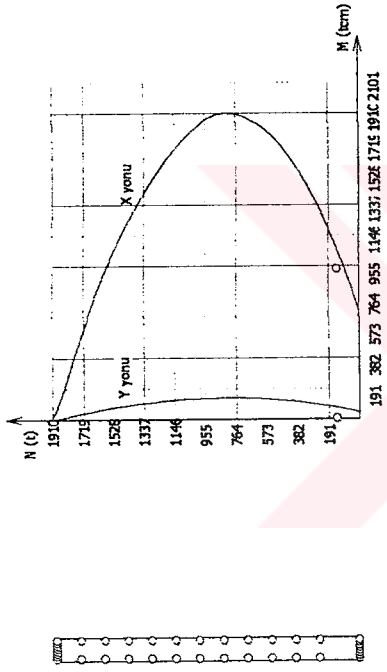
$h = 3 \text{ cm}$

SONUÇLAR:

Donatı: 7ø20+11.6666666666667ø12 (govde)

$A_{sx} = 21.95 \text{ cm}^2$

$A_{sy} = 15.0 \text{ cm}^2$



DİKDÖRTGEN KOLON BETONARME KESİT HESABI

HESAP YÖNTEMİ : TAŞIMA GÜCÜ

$f_{yk} = 4200 \text{ kg/cm}^2$

$f_{ck} = 250 \text{ kg/cm}^2$

$N = 240.0 \text{ t}$

$M_x = 965.0 \text{ tm}$

$M_y = 0.00 \text{ tm}$

$B = 30 \text{ cm}$

$D = 400 \text{ cm}$

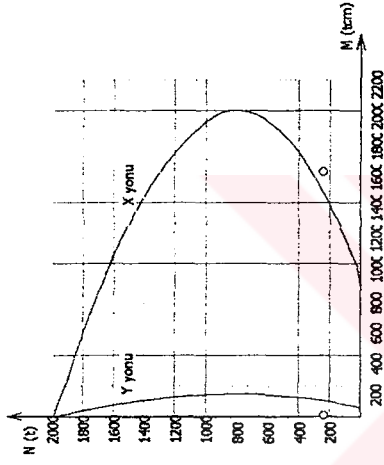
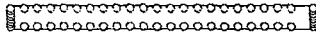
$h = 3 \text{ cm}$

SONUÇLAR:

Donatı:13ø20+11.6666666666667ø12 (govde)

Asx= 40.40 cm²

Asy= 15.0 cm²



DİKDÖRTGEN KOLON BETONARME KESİT HESABI

HESAP YÖNTEMİ : TAŞIMA GÜCÜ

$f_{yk} = 4200 \text{ kg/cm}^2$

$f_{ck} = 250 \text{ kg/cm}^2$

$N = 240.0 \text{ t}$

$M_x = 720.0 \text{ tm}$

$M_y = 0.00 \text{ tm}$

$B = 30 \text{ cm}$

$D = 300 \text{ cm}$

$h = 3 \text{ cm}$

SONUÇLAR:

Donatı:14ø20+8.3333333333333ø12 (govde)

Asx= 41.97 cm²

Asy= 11.25 cm²

N (t)
1580
1422
1264
1106
948
790
632
474
316
158

Y yonu

X yonu

M (tm)

158 316 474 632 790 948 1106 1264 1422 1580 1738

Kompozit Sistem Radye Temel Statik Hesabı

Z.em :30 t/m², Temel Kalınlığı : 0,50 mt, BS 25 ST III

ZEMİN YATAK KATSAYISI (t/m³) : 7000.0
 ZEMİN EMNİYET GERİLMESİ (t/m²) : 30.0
 BETONARME HESAP YÖNTEMİTAŞIMA GÜCÜ YÖNTEMİ (TS 500, 2000)
 BETON ve ÇELİK MALEME BİLGİLERİ
 Beton dayanım gerilmesi (kg/cm²) :250
 Çelik akma gerilmesi (kg/cm²) :4200

BETONARME HESAP YÜK KOMBİNASYON PARAMETRESİ

Ölü yük Cg	Hareketli yük Cq	Zemin Cs	Deprem iCe	Rüzgar iCw
1.40	1.60	0.00	0.00	0.00
1.40	1.60	1.60	0.00	0.00
1.40	0.00	0.00	0.00	0.00
1.00	1.00	0.00	1.00	0.00
1.00	1.00	1.00	1.00	0.00
0.90	0.00	0.00	1.00	0.00
1.00	1.30	0.00	0.00	1.30
1.00	1.30	1.00	0.00	1.30
0.90	0.00	0.00	0.00	1.30
0.90	0.00	0.90	0.00	1.30

CODE:TS500T.COD

ZEMİN GERİLMESİ YÜK KOMBİNASYONU

Ölü yük Cg	Hareketli yük Cq	Zemin Cs	Deprem iCe	Rüzgar iCw
1.00	1.00	0.00	0.00	0.00
1.00	1.00	1.00	0.00	0.00
0.67	0.67	0.67	0.67	0.00
0.80	0.00	0.80	0.00	0.80

STATİK ANALİZ YÜK KOMBİNASYON NOTASYONLARI:

1. G+G+G+G+G	GENEL ÖLÜ YÜK
2. Q+Q+Q+Q+Q	1. GENEL HAREKETLİ YÜK
3. Q+o+Q+o+Q	2. HAREKETLİ YÜK
4. o+Q+o+Q+o	3. HAREKETLİ YÜK
5. Q+Q+o+Q+Q	4. HAREKETLİ YÜK
6. o+Q+Q+o+Q	5. HAREKETLİ YÜK
7. Q+o+Q+Q+o	6. HAREKETLİ YÜK
8. Gz	Yatay zemin itkisi
9. Ex + %5 x ey	X yönü deprem + %5 eksantrisite
10. Ex - %5 x ey	X yönü deprem - %5 eksantrisite
11. Ey + %5 x ex	Y yönü deprem + %5 eksantrisite
12. Ey - %5 x ex	Y yönü deprem - %5 eksantrisite
13. Wx + %5 x ey	X yönü rüzgar + %5 eksantrisite
14. Wx - %5 x ey	X yönü rüzgar - %5 eksantrisite
15. Wy + %5 x ex	Y yönü rüzgar + %5 eksantrisite
16. Wy - %5 x ex	Y yönü rüzgar - %5 eksantrisite

NOKTALARIN X YÖNÜ STATİK SONUÇLARI Mx (tm)

Nokta no	1 Mg	2 Mq	3 Mq	4 Mq	5 Mq	6 Mq	7 Mq	8 Mz	9 Me	10 Me	11 Me	12 Me	13 Mw	14 Mw	15 Mw	16 Mw
1	-3.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.26	-3.77	0.30	1.09	-0.08	-0.07	0.01	0.04
2	-1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09	2.30	5.06	6.28	0.04	0.06	0.17	0.21
3	2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.82	3.08	0.56	0.14	0.07	0.06	0.02	0.00
4	7.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.46	9.14	2.03	0.97	0.20	0.18	0.07	0.03
5	-23.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.71	4.95	1.58	1.21	0.11	0.10	0.05	0.04
6	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.65	-1.77	-0.47	-0.27	-0.04	-0.04	-0.02	-0.01
7	-0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.82	0.42	-0.43	0.10	0.09	0.01	-0.01
8	6.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.66	6.31	0.16	-0.85	0.14	0.12	0.00	-0.03
9	-13.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61	3.28	-1.75	-2.80	0.07	0.06	-0.06	-0.09
10	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.97	-0.14	-0.33	0.02	0.02	0.00	-0.01
11	-4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.87	4.44	0.30	-0.59	0.10	0.08	0.01	-0.02
12	-2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.61	4.22	-0.73	-1.68	0.09	0.08	-0.02	-0.06
13	14.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	7.61	-0.94	-2.46	0.17	0.15	-0.03	-0.08
14	-11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.85	3.50	-1.49	-2.50	0.08	0.06	-0.05	-0.08
15	-0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-0.38	-0.12	-0.09	-0.01	-0.01	0.00	0.00
16	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	2.89	-1.79	-2.81	0.06	0.05	-0.06	-0.09
17	-0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	2.28	-0.95	-1.65	0.05	0.04	-0.03	-0.05
18	12.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	3.81	-1.33	-2.30	0.08	0.07	-0.04	-0.08

105	-2.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.75	-0.69	-0.14	-0.23	-0.01	-0.02	0.00	-0.01
106	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	1.84	-0.29	-0.58	0.04	0.04	-0.01	-0.02
107	-16.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-0.14	-0.12	-0.09	0.00	0.00	0.00	0.00
108	-1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.22	-1.36	-0.42	-0.20	-0.03	-0.03	-0.01	-0.01
109	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-0.23	-0.19	-0.15	-0.01	0.00	-0.01	0.00
110	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.10	-0.15	-0.14	0.00	0.00	0.00	0.00
111	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.14	0.19	0.00	0.00	0.00	0.01
112	-4.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.04	-1.11	-0.05	0.05	-0.02	-0.02	0.00	0.00
113	7.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.06	0.03	0.08	0.00	0.00	0.00	0.00
114	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.25	0.13	0.16	0.01	0.01	0.00	0.01
115	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.22	-0.01	-0.02	0.00	0.00	0.00	0.00
116	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.25	-0.06	-0.07	0.01	0.01	0.00	0.00
117	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.63	-0.30	-0.33	0.01	0.01	-0.01	-0.01
118	8.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	1.23	-0.28	-0.24	0.03	0.03	-0.01	-0.01
119	-1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1.39	-1.11	-1.30	0.03	0.03	-0.04	-0.04
120	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.39	-0.06	-0.03	0.01	0.01	0.00	0.00
121	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.64	-1.82	-0.60	-0.31	-0.04	-0.04	-0.02	-0.01
122	5.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	-0.24	-0.24	0.00	0.00	-0.01	-0.01
123	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15	-0.14	-1.32	-1.34	0.00	0.00	-0.04	-0.04
124	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-0.39	-0.32	-0.27	-0.01	-0.01	-0.01	-0.01
125	5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17	-0.19	-0.22	-0.19	0.00	0.00	-0.01	-0.01
126	6.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.19	0.00	0.02	0.00	0.00	0.00	0.00
127	-9.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.07	0.98	1.14	0.00	0.00	0.03	0.04
128	6.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.06	-0.05	-0.02	0.00	0.00	0.00	0.00
129	6.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	-0.02	0.17	0.23	0.00	0.00	0.01	0.01
130	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.12	0.11	0.13	0.00	0.00	0.00	0.00
131	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.03	0.03	0.00	0.00	0.00	0.00
132	-0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	0.02	0.02	0.00	0.00	0.00	0.00
133	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.66	-0.31	-0.32	0.01	0.01	-0.01	-0.01
134	9.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.57	2.46	-0.30	-0.13	0.05	0.05	-0.01	0.00
135	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	1.66	-0.19	0.00	0.03	0.04	-0.01	0.00
136	-1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.63	-0.61	0.17	0.13	-0.01	-0.01	0.01	0.00
137	-10.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.18	1.88	1.77	0.00	0.00	0.06	0.06
138	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.05	-0.23	-0.23	0.00	0.00	-0.01	-0.01
139	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.92	-0.01	-0.17	0.02	0.02	0.00	-0.01
140	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.25	-0.26	-0.29	-0.26	-0.01	-0.01	-0.01	-0.01
141	3.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.44	-0.47	-0.05	0.01	-0.01	-0.01	0.00	0.00
142	8.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.17	-0.20	-0.19	0.00	0.00	-0.01	-0.01
143	13.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.09	0.02	-0.03	0.02	0.02	0.00	0.00
144	-26.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	-0.09	-0.08	0.00	0.00	0.00	0.00
145	-2.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.87	-0.91	-0.09	-0.01	-0.02	-0.02	0.00	0.00
146	5.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.16	0.19	0.00	0.00	0.01	0.01
147	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.09	0.09	0.00	0.00	0.00	0.00
148	-1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.09	0.21	0.25	0.00	0.00	0.01	0.01
149	-7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.79	-0.74	-0.06	-0.12	-0.02	-0.02	0.00	0.00
150	8.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.00	-0.13	-0.03	0.02	0.02	0.00	0.00
151	8.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	1.97	-0.14	0.11	0.04	0.04	0.00	0.00
152	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.05	1.02	1.71	0.04	0.05	0.03	0.06
153	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.94	0.15	0.36	0.02	0.02	0.01	0.01
154	-6.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	2.48	-0.21	-0.60	0.05	0.05	-0.01	-0.02
155	-16.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.17	-0.07	-0.10	0.00	0.00	0.00	0.00
156	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.84	-0.95	-0.16	0.00	-0.02	-0.02	-0.01	0.00
157	3.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11	-0.11	-0.03	-0.03	0.00	0.00	0.00	0.00
158	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.41	0.30	0.36	-0.01	-0.01	0.01	0.01
159	-1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.36	-1.43	0.05	0.15	-0.03	-0.03	0.00	0.01
160	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-0.22	0.06	0.07	0.00	0.00	0.00	0.00
161	13.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.04	-0.04	-0.06	0.00	0.00	0.00	0.00
162	7.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	-1.14	-1.28	0.00	0.00	-0.04	-0.04
163	6.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12	-0.05	-0.04	0.00	0.00	0.00	0.00
164	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.23	0.26	0.00	0.00	0.01	0.01
165	2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.08	0.09	0.00	0.00	0.00	0.00
166	-14.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.03	0.99	1.19	0.00	0.00	0.03	0.04
167	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.28	-0.14	-0.14	0.01	0.01	0.00	0.00
168	8.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	1.30	-0.04	0.15	0.03	0.03	0.00	0.01
169	9.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.76	3.38	0.17	0.77	0.07	0.08	0.01	0.03
170	-7.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.41	2.80	1.37	2.33	0.06	0.07	0.05	0.08
171	-0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.87	-1.74	0.48	0.28	-0.04	-0.04	0.02	0.01
172	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.56	-1.02	-1.05	0.01	0.01	-0.03	-0.03
173	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.54	-0.29	-0.36	0.01	0.01	-0.01	-0.01
174	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.14	-1.29	-1.26	0.00	0.00	-0.04	-0.04
175	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00
176	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15	-0.17	0.52	0.55	0.00	0.00	0.02	0.02
177	-5.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.21	-1.31	1.33	1.48	-0.03	-0.03	0.04	0.05
178	1.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.31	-1.36	0.43	0.52	-0.03	-0.03	0.01	0.02
179	14.51	0.0															

192	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.39	-0.54	-0.56	0.01	0.01	-0.02	-0.02	
193	-0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1.42	-0.12	-0.35	0.03	0.03	0.00	-0.01	
194	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.21	-0.13	-0.15	0.00	0.00	0.00	0.00	
195	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.53	0.00	0.00	0.02	0.02	
196	-3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.11	1.25	1.30	0.00	0.00	0.04	0.04	
197	-24.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.13	1.30	1.38	0.00	0.00	0.04	0.05	
198	-2.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.28	-1.38	1.67	1.83	-0.03	-0.03	0.06	0.06	
199	12.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.56	-1.58	0.72	0.76	-0.03	-0.03	0.02	0.02	
200	13.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.46	-0.43	-0.03	-0.07	-0.01	-0.01	0.00	0.00	
201	10.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.23	0.14	0.16	0.00	0.00	0.00	0.01	
202	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.19	1.17	1.30	0.00	0.01	0.04	0.04
203	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.07	-0.06	-0.10	0.00	0.00	0.00	0.00	
204	6.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.04	0.04	0.00	0.00	0.00	0.00	0.00	
205	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	-1.13	-1.38	0.00	0.00	-0.04	-0.05	
206	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.79	-0.06	0.08	0.02	0.02	0.00	0.00	
207	11.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.75	2.37	0.66	1.26	0.05	0.06	0.02	0.04	
208	11.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.22	5.54	0.13	1.17	0.11	0.13	0.01	0.04	
209	-28.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.73	4.48	-1.45	-1.07	0.09	0.10	-0.05	-0.03	
210	-4.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.05	-3.51	-0.36	-1.21	-0.07	-0.08	-0.01	-0.04	
211	-5.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.74	-2.02	-0.88	-0.45	-0.04	-0.04	-0.03	-0.01	
212	6.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.08	-0.64	-0.57	0.00	0.00	-0.02	-0.02	
213	5.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.39	-0.16	-0.22	0.01	0.01	-0.01	-0.01	
214	4.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.46	-0.09	-0.15	0.01	0.01	0.00	0.00	
215	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.23	0.60	0.55	0.01	0.00	0.02	0.02	
216	-4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.07	1.10	1.09	0.00	0.00	0.04	0.04	
217	-18.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.95	-0.06	-0.08	0.02	0.02	0.00	0.00	
218	-41.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	-0.90	-0.87	0.00	0.00	-0.03	-0.03	
219	-25.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.21	-1.29	1.50	1.63	-0.03	-0.03	0.05	0.05	
220	10.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.60	-2.60	0.42	0.42	-0.06	-0.06	0.01	0.01	
221	13.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.57	-0.55	0.01	-0.02	-0.01	-0.01	0.00	0.00	
222	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.14	0.14	0.20	0.02	0.02	0.00	0.01	
223	-29.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.11	0.08	0.06	0.00	0.00	0.00	0.00	
224	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.09	-1.01	-0.03	-0.14	-0.02	-0.02	0.00	0.00	
225	8.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.87	-0.14	-0.15	0.02	0.02	0.00	0.00	
226	6.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.28	-0.28	-0.30	0.01	0.01	-0.01	-0.01	
227	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.24	0.61	1.01	0.02	0.03	0.02	0.03	
228	11.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60	1.95	2.43	3.44	0.04	0.05	0.08	0.11	
229	15.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.78	5.16	0.02	0.98	0.11	0.12	0.00	0.03	
230	-4.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	4.16	-4.82	-5.66	0.09	0.08	-0.16	-0.19	
231	-9.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.56	1.43	1.26	0.01	0.01	0.05	0.04	
232	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.10	-0.56	-0.47	0.00	0.00	-0.02	-0.02	
233	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.09	-0.26	-0.23	0.00	0.00	-0.01	-0.01	
234	5.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.38	-0.05	-0.10	0.01	0.01	0.00	0.00	
235	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.53	0.45	0.37	0.01	0.01	0.01	0.01	
236	-4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.12	1.48	1.41	0.00	0.00	0.05	0.05	
237	-19.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.25	-0.23	-0.03	-0.05	0.00	-0.01	0.00	0.00	
238	-12.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.04	-1.52	-1.55	0.00	0.00	-0.05	-0.05	
239	-18.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	1.26	-1.34	-1.36	0.03	0.03	-0.04	-0.04	
240	-32.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.07	0.28	0.31	0.00	0.00	0.01	0.01	
241	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.68	-2.64	0.07	-0.01	-0.06	-0.06	0.00	0.00	
242	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	-0.50	-0.01	-0.05	-0.01	-0.01	0.00	0.00	
243	8.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.15	0.16	0.15	0.00	0.00	0.01	0.00	
244	-11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	0.03	-1.02	-1.20	0.00	0.00	-0.03	-0.04	
245	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.12	-0.07	-0.14	0.00	0.00	0.00	0.00	
246	6.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11	-0.06	-0.19	-0.27	0.00	0.00	-0.01	-0.01	
247	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.54	0.14	0.29	0.01	0.01	0.00	0.01	
248	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.04	3.36	1.46	2.52	0.07	0.08	0.05	0.08	
249	-24.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.76	3.23	0.59	1.41	0.07	0.08	0.02	0.05	
250	7.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.79	6.05	0.06	1.21	0.12	0.14	0.00	0.04	
251	12.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	2.57	-1.22	-1.35	0.05	0.05	-0.04	-0.04	
252	-14.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.44	-0.46	-0.44	0.01	0.01	-0.02	-0.01	
253	-1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.89	-1.03	-0.51	-0.30	-0.02	-0.02	-0.02	-0.01	
254	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.19	-0.18	0.00	0.00	-0.01	-0.01	
255	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.51	0.04	-0.01	0.01	0.01	0.00	0.00	
256	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.51	1.57	1.41	0.03	0.03	0.05	0.05	
257	-25.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-0.99	0.48	0.48	-0.02	-0.02	0.02	0.02	
258	-8.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.41	-1.41	-0.94	-0.95	-0.03	-0.03	-0.03	-0.03	
259	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.92	-0.97	-1.02	0.02	0.02	-0.03	-0.03	
260	-15.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60	2.59	-0.27	-0.25	0.05	0.05	-0.01	-0.01	
261	-38.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	-0.03	-0.04	0.00	0.00	0.00	0.00	
262	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.66	-2.57	-0.18	-0.31	-0.05	-0.06	-0.01	-0.01	
263	12.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.44	-0.42	0.19	0.17	-0.01	-0.01	0.01	0.01	
264	-3.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.01	0.07	0.11	0.02	0.02	0.00	0.00	
265	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.11	-0.19	-0.27	0.00	0.00	-0.01	-0.01	
266																		

279	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.65	-1.63	-0.24	-0.27	-0.03	-0.03	-0.01	-0.01
280	5.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	-0.48	-0.50	0.00	0.00	-0.02	-0.02
281	-15.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.82	2.79	-0.15	-0.10	0.06	0.06	0.00	0.00
282	-50.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.17	-0.40	-0.43	0.00	0.00	-0.01	-0.01
283	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.55	-1.50	-0.27	-0.36	-0.03	-0.03	-0.01	-0.01
284	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.28	-0.28	0.29	0.28	-0.01	-0.01	0.01	0.01
285	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	-0.01	-0.05	0.00	0.00	0.00	0.00
286	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24	-0.21	0.12	0.07	0.00	-0.01	0.00	0.00
287	6.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.56	-0.52	0.30	0.23	-0.01	-0.01	0.01	0.01
288	12.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-0.38	0.35	0.38	-0.01	-0.01	0.01	0.01
289	14.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.87	1.12	1.63	0.02	0.02	0.04	0.05
290	-11.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.46	5.77	-0.97	0.11	0.12	0.13	-0.03	0.00
291	5.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.90	-1.09	-0.23	0.05	-0.02	-0.02	-0.01	0.00
292	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.21	-1.20	-0.99	0.00	0.01	-0.04	-0.03
293	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	1.50	-0.35	-0.52	0.03	0.03	-0.01	-0.02
294	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.23	-0.44	-0.44	0.00	0.00	-0.01	-0.01
295	3.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.15	-0.12	-0.14	0.00	0.00	0.00	0.00
296	8.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	-0.43	-0.42	0.00	0.00	-0.01	-0.01
297	12.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	1.68	0.06	-0.02	0.04	0.03	0.00	0.00
298	-31.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	2.68	-0.71	-0.78	0.06	0.06	-0.02	-0.03
299	-31.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.11	-1.10	0.94	0.91	-0.02	-0.02	0.03	0.03
300	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.80	-2.78	-0.06	-0.09	-0.06	-0.06	0.00	0.00
301	9.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.14	-0.14	0.00	0.00	0.00	0.00
302	-12.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	2.72	-0.24	-0.16	0.06	0.06	-0.01	-0.01
303	-42.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.13	-1.56	-1.64	0.00	0.00	-0.05	-0.05
304	4.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.41	-1.34	-0.23	-0.33	-0.03	-0.03	-0.01	-0.01
305	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.15	0.12	0.10	0.00	0.00	0.00	0.00
306	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.06	0.11	0.10	0.00	0.00	0.00	0.00
307	4.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-0.35	0.46	0.45	-0.01	-0.01	0.02	0.01
308	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.87	-1.73	0.58	0.36	-0.04	-0.04	0.02	0.01
309	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-0.49	1.14	1.35	-0.01	-0.01	0.04	0.04
310	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.64	2.91	1.81	2.95	0.06	0.07	0.06	0.10
311	-1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.55	-4.24	-2.14	-1.06	-0.09	-0.08	-0.07	-0.03
312	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.54	-0.80	-1.37	-0.97	-0.02	-0.01	-0.04	-0.03
313	11.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.53	-0.68	-0.68	-0.44	-0.02	-0.01	-0.02	-0.01
314	5.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.42	-0.32	-0.34	0.01	0.01	-0.01	-0.01
315	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.10	0.04	0.00	0.00	0.00	0.00
316	-3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.18	-1.21	-0.19	-0.14	-0.03	-0.03	-0.01	0.00
317	12.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	-0.23	-0.24	0.00	0.00	-0.01	-0.01
318	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	1.91	0.04	-0.05	0.04	0.04	0.00	0.00
319	-16.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	1.83	-1.26	-1.23	0.04	0.04	-0.04	-0.04
320	-33.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26	-0.25	-0.01	-0.01	-0.01	-0.01	0.00	0.00
321	10.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.89	-2.85	-0.09	-0.15	-0.06	-0.06	0.00	0.00
322	11.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.05	0.05	0.00	0.00	0.00	0.00
323	-8.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	1.58	-0.23	-0.19	0.03	0.03	-0.01	-0.01
324	-13.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	-1.54	-1.62	0.00	0.00	-0.05	-0.05
325	2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26	-0.24	-0.17	-0.21	0.00	-0.01	-0.01	-0.01
326	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.08	0.06	0.05	0.00	0.00	0.00	0.00
327	3.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.06	0.30	0.32	0.00	0.00	0.01	0.01
328	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	-0.52	1.43	1.54	-0.01	-0.01	0.05	0.05
329	11.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.08	-1.08	0.81	0.80	-0.02	-0.02	0.03	0.03
330	20.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	-0.65	2.13	2.54	-0.02	-0.01	0.07	0.08
331	-4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.91	-5.04	2.74	2.94	-0.11	-0.10	0.09	0.10
332	11.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.64	-2.04	-1.53	-0.92	-0.05	-0.04	-0.05	-0.03
333	9.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	-0.75	-1.95	-1.48	-0.02	-0.01	-0.06	-0.05
334	7.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18	-0.38	-0.34	0.00	0.00	-0.01	-0.01
335	5.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.36	0.02	-0.05	0.01	0.01	0.00	0.00
336	2.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	0.00	1.15	0.98	0.00	0.00	0.04	0.03
337	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	-0.38	-0.13	-0.13	-0.01	-0.01	0.00	0.00
338	14.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.16	0.14	0.00	0.00	0.01	0.00
339	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	1.96	-0.17	-0.22	0.04	0.04	-0.01	-0.01
340	-15.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	2.73	-0.23	-0.21	0.06	0.06	-0.01	-0.01
341	-38.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24	-0.24	-0.17	-0.16	-0.01	-0.01	-0.01	-0.01
342	11.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.80	-2.74	-0.17	-0.25	-0.06	-0.06	-0.01	-0.01
343	11.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.00	0.00	0.01	0.01
344	-6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.36	-0.21	-0.16	0.03	0.03	-0.01	-0.01
345	-0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	-0.34	-0.37	0.00	0.00	-0.01	-0.01
346	3.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17	-0.15	0.08	-0.03	0.00	0.00	0.00	0.00
347	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.07	0.07	0.00	0.00	0.00	0.00
348	-0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.87	0.22	0.43	0.02	0.02	0.01	0.01
349	-12.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.63	-0.62	0.39	0.38	-0.01	-0.01	0.01	0.01
350	16.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.21	-3.04	1.33	1.07	-0.06	-0.07	0.04	0.03
351	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.61	-1.39	2.15	1.80	-0.03	-0.03	0.07	0.06
352	-11.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.83	-3.28	-1.22	-0.51	-0.07	-0.06	-0.04	-0.02
35																	

366	2.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	-0.08	0.05	0.02	0.00	0.00	0.00	0.00
367	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23	-0.21	0.07	0.03	0.00	0.00	0.00	0.00
368	4.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.14	0.17	0.00	0.00	0.00	0.01
369	4.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.39	0.46	0.00	0.00	0.01	0.02
370	-6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.82	-0.68	-1.33	-1.56	-0.01	-0.02	-0.04	-0.05
371	-2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.78	-0.50	1.71	1.28	-0.01	-0.02	0.06	0.04
372	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.04	-4.47	-0.45	0.21	-0.10	-0.09	-0.01	0.01
373	13.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.24	-4.09	-3.82	-2.50	-0.09	-0.07	-0.12	-0.08
374	10.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.18	-1.42	-0.94	-0.57	-0.03	-0.03	-0.03	-0.02
375	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.40	-0.41	0.01	0.04	-0.01	-0.01	0.00	0.00
376	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	-0.14	-0.15	0.00	0.00	0.00	-0.01
377	6.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.16	0.07	0.02	0.00	0.00	0.00	0.00
378	-9.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19	-0.27	-1.22	-1.10	-0.01	0.00	-0.04	-0.04
379	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.41	-0.42	-0.06	-0.04	-0.01	-0.01	0.00	0.00
380	13.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.18	0.16	0.00	0.00	0.01	0.01
381	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.73	-0.04	-0.02	0.02	0.02	0.00	0.00
382	-14.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	2.57	-0.35	-0.23	0.05	0.06	-0.01	-0.01
383	-41.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	-0.15	-1.65	-1.57	0.00	0.00	-0.05	-0.05
384	5.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.40	-1.37	-0.16	-0.21	-0.03	-0.03	-0.01	-0.01
385	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.16	0.17	0.00	0.00	0.01	0.01
386	3.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.15	0.15	0.00	0.00	0.00	0.00
387	2.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23	-0.20	0.30	0.27	0.00	0.00	0.01	0.01
388	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.36	-0.33	0.16	0.11	-0.01	-0.01	0.01	0.00
389	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.48	0.54	0.00	0.00	0.02	0.02
390	-4.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	1.77	0.31	0.73	0.04	0.04	0.01	0.02
391	-3.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	1.03	0.57	0.30	0.02	0.02	0.02	0.01
392	-8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.87	-2.91	1.30	1.35	-0.06	-0.06	0.04	0.04
393	14.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.88	-4.52	-2.25	-1.25	-0.10	-0.09	-0.07	-0.04
394	13.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.23	-2.60	-1.27	-0.69	-0.06	-0.05	-0.04	-0.02
395	8.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.97	-1.04	0.04	0.16	-0.02	-0.02	0.00	0.01
396	-4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.30	-1.32	0.14	0.18	-0.03	-0.03	0.00	0.01
397	6.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.00	0.16	0.10	0.00	0.00	0.01	0.00
398	8.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	1.02	0.08	-0.02	0.02	0.02	0.00	0.00
399	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26	-0.28	-0.24	-0.21	-0.01	-0.01	-0.01	-0.01
400	11.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.31	-0.31	0.19	0.18	-0.01	-0.01	0.01	0.01
401	13.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15	-0.13	0.33	0.30	0.00	0.00	0.01	0.01
402	8.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.52	-0.02	0.01	0.01	0.01	0.00	0.00
403	-10.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	1.47	-0.35	-0.27	0.03	0.03	-0.01	-0.01
404	-12.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.10	-1.61	-1.54	0.00	0.00	-0.05	-0.05
405	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.22	-0.22	-0.12	-0.11	0.00	0.00	0.00	0.00
406	4.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.06	0.17	0.19	0.00	0.00	0.01	0.01
407	3.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.45	0.47	0.00	0.00	0.01	0.02
408	-1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.36	-1.22	0.38	0.16	-0.03	-0.03	0.01	0.01
409	6.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	-0.36	0.48	0.45	-0.01	-0.01	0.02	0.01
410	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.16	0.92	1.06	0.00	0.00	0.03	0.03
411	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.81	0.15	0.22	-0.02	-0.02	0.01	0.01
412	-12.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.94	-1.93	0.94	0.94	-0.04	-0.04	0.03	0.03
413	14.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.69	-4.23	-1.47	-0.64	-0.09	-0.08	-0.05	-0.02
414	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.04	-2.22	-0.09	0.18	-0.05	-0.04	0.00	0.01
415	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.86	-0.74	1.44	1.25	-0.02	-0.02	0.05	0.04
416	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.34	0.22	0.19	-0.01	-0.01	0.01	0.01
417	7.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	-0.05	0.38	0.30	0.00	0.00	0.01	0.01
418	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.03	-0.06	-0.08	0.00	0.00	0.00	0.00
419	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20	-0.20	0.06	0.07	0.00	0.00	0.00	0.00
420	10.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26	-0.23	0.49	0.45	0.00	-0.01	0.02	0.01
421	15.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.18	-1.13	0.32	0.24	-0.02	-0.02	0.01	0.01
422	8.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.39	0.21	0.22	0.01	0.01	0.01	0.01
423	-7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	1.29	-0.31	-0.21	0.03	0.03	-0.01	-0.01
424	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.06	-0.36	-0.33	0.00	0.00	-0.01	-0.01
425	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.07	0.06	0.06	0.00	0.00	0.00	0.00
426	4.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.15	0.29	0.33	0.00	0.00	0.01	0.01
427	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	1.34	1.39	0.00	0.00	0.04	0.05
428	2.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.49	-0.44	0.31	0.24	-0.01	-0.01	0.01	0.01
429	7.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.56	-0.55	0.94	0.91	-0.01	-0.01	0.03	0.03
430	-2.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.00	0.16	0.01	0.02	0.02	0.00	0.00
431	-19.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.58	-3.09	-1.91	-1.11	-0.07	-0.06	-0.06	-0.04
432	13.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.33	-4.78	-0.79	-0.08	-0.10	-0.09	-0.03	0.00
433	12.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.65	-0.73	0.04	0.16	-0.02	-0.01	0.00	0.01
434	-31.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.61	-0.60	0.26	0.25	-0.01	-0.01	0.01	0.01
435	-7.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.27	-1.29	0.15	0.17	-0.03	-0.03	0.00	0.01
436	4.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12	-0.10	0.18	0.14	0.00	0.00	0.01	0.00
437	5.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.07	-0.02	-0.01	0.00	0.00	0.00	0.00
438	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.05	0.25	0.25	0.00	0.00	0.01	0.01
439	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24	-0.15	1.44	1.30	0.00	0.00	0.05	0.04
440	10.																

NOKTALARIN Y YÖNÜ STATİK SONUÇLARI My (tm)

Nokta no	1 M _y	2 M _y	3 M _y	4 M _y	5 M _y	6 M _y	7 M _y	8 M _z	9 M _e	10 M _e	11 M _e	12 M _e	13 M _w	14 M _w	15 M _w	16 M _w
1	-2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-0.91	3.03	4.10	-0.02	-0.01	0.10	0.14
2	2.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.67	-0.19	-2.57	-3.32	0.00	-0.01	-0.09	-0.11
3	-5.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.70	-5.92	-3.01	-2.67	-0.13	-0.12	-0.10	-0.09
4	-0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.24	1.34	1.71	0.00	0.01	0.04	0.06
5	-25.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.89	-1.22	-4.63	-5.68	-0.02	-0.04	-0.15	-0.19
6	-6.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.64	-1.18	-8.42	-10.6	-0.02	-0.05	-0.28	-0.35
7	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	-0.22	-0.33	0.00	0.00	-0.01	-0.01
8	-4.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	2.35	-2.87	-4.04	0.05	0.04	-0.10	-0.13
9	-6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	0.73	-5.79	-7.52	0.02	0.00	-0.19	-0.25
10	-4.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.42	0.83	-5.86	-7.82	0.02	0.00	-0.19	-0.26
11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.17	-0.38	-0.47	0.00	0.00	-0.01	-0.02
12	-10.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	1.31	-3.23	-4.31	0.03	0.02	-0.11	-0.14
13	9.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	2.26	-6.85	-9.09	0.05	0.02	-0.23	-0.30
14	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	1.74	-3.73	-5.10	0.04	0.02	-0.12	-0.17
15	12.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	3.06	-2.88	-4.25	0.07	0.05	-0.10	-0.14
16	-1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.15	0.48	0.54	0.00	0.00	0.02	0.02
17	-10.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.70	-2.55	-3.51	0.04	0.03	-0.08	-0.12
18	12.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	1.56	-5.42	-7.08	0.04	0.02	-0.18	-0.23
19	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.27	-4.20	-5.73	0.05	0.03	-0.14	-0.19
20	16.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	1.78	-1.30	-1.98	0.04	0.03	-0.04	-0.07
21	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	1.96	1.89	2.11	0.04	0.04	0.06	0.07
22	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.02	-0.35	-0.40	0.00	0.00	-0.01	-0.01
23	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	1.30	-1.83	-2.51	0.03	0.02	-0.06	-0.08
24	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.71	-3.84	-4.93	0.02	0.00	-0.13	-0.16
25	14.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.94	-2.90	-3.82	0.02	0.01	-0.10	-0.13
26	11.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.92	-1.86	-2.58	0.02	0.01	-0.06	-0.09
27	12.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	1.23	0.33	0.19	0.03	0.02	0.01	0.01
28	-5.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.90	-0.98	0.67	0.79	-0.02	-0.02	0.02	0.03
29	-1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-0.20	0.64	0.76	0.00	0.00	0.02	0.03
30	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.31	-0.12	-1.48	-1.78	0.00	-0.01	-0.05	-0.06
31	10.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.19	-3.16	-3.92	0.01	0.00	-0.10	-0.13
32	14.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24	0.13	-2.23	-2.81	0.00	0.00	-0.07	-0.09
33	13.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.52	-0.87	-1.19	0.01	0.01	-0.03	-0.04
34	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.40	1.06	1.29	0.01	0.01	0.04	0.04
35	-11.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.59	0.59	0.63	0.01	0.01	0.02	0.02
36	-4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.91	-1.26	-1.81	0.02	0.01	-0.04	-0.04
37	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	0.02	-0.95	-1.06	0.00	0.00	-0.03	-0.06
38	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.21	-1.20	-1.28	-1.29	-0.03	-0.03	-0.04	-0.04
39	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.14	-1.80	-2.16	0.00	-0.01	-0.06	-0.07
40	13.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.48	-0.25	-1.72	-2.08	0.00	-0.01	-0.06	-0.07
41	12.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12	0.00	-0.71	-0.89	0.00	0.00	-0.02	-0.03
42	10.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.21	1.05	1.26	0.00	0.01	0.03	0.04
43	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	1.28	0.51	0.53	0.03	0.03	0.02	0.02
44	3.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.54	0.19	0.16	0.01	0.01	0.01	0.01
45	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	1.15	0.02	-0.07	0.02	0.02	0.00	0.00
46	-2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.15	0.64	0.70	0.00	0.00	0.02	0.02
47	-11.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20	-0.10	-1.15	-1.31	0.00	0.00	-0.04	-0.04
48	9.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.15	-2.30	-2.64	0.00	-0.01	-0.08	-0.09
49	11.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.22	-1.30	-1.54	0.00	-0.01	-0.04	-0.05
50	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.35	-0.30	-0.46	-0.53	-0.01	-0.01	-0.02	-0.02
51	6.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	-0.02	0.18	0.23	0.00	0.00	0.01	0.01
52	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.71	-0.79	0.32	0.46	-0.02	-0.02	0.01	0.01
53	-3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.26	-0.71	-0.97	0.01	0.00	-0.02	-0.03
54	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.63	0.05	0.02	0.01	0.01	0.00	0.00
55	9.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.99	0.19	0.23	0.02	0.02	0.01	0.01
56	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	-0.15	-0.18	0.00	0.00	-0.01	-0.01
57	-2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	1.05	-0.78	-1.07	0.02	0.02	-0.03	-0.04
58	8.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-0.10	-1.19	-1.35	0.00	0.00	-0.04	-0.04
59	10.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15	-0.05	-1.02	-1.18	0.00	0.00	-0.03	-0.04
60	9.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23	-0.21	-0.35	-0.38	0.00	0.00	-0.01	-0.01
61	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	-0.13	1.01	1.27	0.00	0.00	0.03	0.04
62	-35.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.03	0.26	0.34	0.00	0.00	0.01	0.01
63	-9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.24	-0.81	-1.00	0.01	0.00	-0.03	-0.03
64	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.24	-0.08	-0.11	0.01	0.00	0.00	0.00
65	8.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.60	0.15	0.19	0.01	0.01	0.01	0.01
66	9.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.97	0.35	0.50	0.02	0.02	0.01	0.02
67	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.04	-0.17	-0.16	0.00	0.00	-0.01	-0.01
68	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.25	-0.78	-0.90	0.01	0.00	-0.03	-0.03
69	8.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11	0.04	-1.95	-2.19	0.00	0.00	-0.06	-0.07
70	10.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-0.07	-0.83	-0.92	0.00	0.00	-0.03	-0.03
71	8.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.07	-0.28	-0.31	0.00	0.00	-0.01	-0.01
72	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.20	0.26	0.00	0.00	0.01	0.01
73	-17.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	1.10	0.24	0.25	0.02	0.02	0.01	0.01
74	-0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.01	0.03	0.00	0.00	0.00	0.00
75	3.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.16	-0.11	-0.13	0.00	0.00	0.00	0.00
76	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.30	0.11	0.14	0.01	0.01	0.00	0.00
77	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.54	0.22	0.31	0.01	0.01	0.01	0.01

169	15.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.64	2.16	2.97	0.01	0.02	0.07	0.10
170	8.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.97	3.70	5.04	0.02	0.03	0.12	0.17
171	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.71	-2.11	8.11	10.29	-0.05	-0.02	0.27	0.34
172	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	-0.16	-0.17	0.00	0.00	-0.01	-0.01
173	-1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	1.01	-0.94	-1.07	0.02	0.02	-0.03	-0.04
174	12.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.06	-1.43	-1.40	0.00	0.00	-0.05	-0.05
175	17.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	-1.04	-1.04	0.00	0.00	-0.03	-0.03
176	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.42	0.42	0.00	0.00	0.01	0.01
177	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.38	1.71	1.76	-0.01	-0.01	0.06	0.06
178	-11.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.62	-1.72	1.29	1.45	-0.04	-0.03	0.04	0.05
179	-2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.21	1.03	1.10	0.00	0.00	0.03	0.04
180	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.49	-0.41	-0.90	-1.02	-0.01	-0.01	-0.03	-0.03
181	8.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30	-0.29	-0.06	-0.08	-0.01	-0.01	0.00	0.00
182	8.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	-0.10	0.17	0.18	0.00	0.00	0.01	0.01
183	5.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.17	1.19	1.33	0.00	0.00	0.04	0.04
184	-11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.28	-0.38	0.89	1.03	-0.01	-0.01	0.03	0.03
185	-36.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26	-0.19	-0.31	-0.42	-0.01	-0.01	-0.01	-0.01
186	9.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30	-0.14	-1.05	-1.31	0.00	-0.01	-0.03	-0.04
187	16.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.30	1.04	1.42	0.01	0.01	0.03	0.05
188	17.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	1.67	4.26	5.84	0.03	0.05	0.14	0.19
189	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	-0.12	4.74	6.15	-0.01	0.01	0.16	0.20
190	-8.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.71	-5.46	2.68	2.28	-0.11	-0.12	0.09	0.07
191	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.05	-0.18	-0.15	0.00	0.00	-0.01	0.00
192	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.14	-0.92	-0.89	0.00	0.00	-0.03	-0.03
193	11.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	-0.14	-2.24	-2.15	0.00	0.00	-0.07	-0.07
194	16.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16	-0.18	-0.89	-0.86	0.00	0.00	-0.03	-0.03
195	18.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.06	0.55	0.56	0.00	0.00	0.02	0.02
196	10.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.41	2.98	3.05	-0.01	-0.01	0.10	0.10
197	-38.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.80	-1.87	0.46	0.58	-0.04	-0.04	0.02	0.02
198	-17.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.46	-1.48	-1.07	-1.04	-0.03	-0.03	-0.04	-0.03
199	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.07	-1.09	0.71	0.75	-0.02	-0.02	0.02	0.02
200	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.75	-0.74	-0.07	-0.09	-0.02	-0.02	0.00	0.00
201	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.37	0.21	0.22	-0.01	-0.01	0.01	0.01
202	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.05	0.24	0.26	0.00	0.00	0.01	0.01
203	-4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.08	-1.03	0.08	0.00	-0.02	-0.02	0.00	0.00
204	-4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.90	-0.37	-0.41	0.02	0.02	-0.01	-0.01
205	6.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.25	-0.19	-0.25	-0.34	0.00	-0.01	-0.01	-0.01
206	16.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.01	0.69	0.88	0.00	0.00	0.02	0.03
207	20.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.70	2.88	3.83	0.01	0.02	0.10	0.13
208	16.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	1.20	7.57	10.01	0.02	0.05	0.25	0.33
209	-28.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17	-0.90	4.32	5.45	-0.02	-0.01	0.14	0.18
210	-5.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.12	-0.36	-3.44	-4.62	0.00	-0.02	-0.11	-0.15
211	-2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18	-0.15	0.69	0.63	0.00	0.00	0.02	0.02
212	3.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17	-0.24	-0.96	-0.84	-0.01	0.00	-0.03	-0.03
213	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.07	-1.17	-1.11	0.00	0.00	-0.04	-0.04
214	14.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.39	-0.86	-0.79	-0.01	-0.01	-0.03	-0.03
215	17.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.14	-0.15	0.44	0.46	0.00	0.00	0.01	0.02
216	10.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.04	3.12	3.13	0.00	0.00	0.10	0.10
217	-37.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	-0.52	1.55	1.63	-0.01	-0.01	0.05	0.05
218	-26.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.52	-0.17	-0.13	-0.01	-0.01	-0.01	0.00
219	-19.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.13	-1.29	-1.35	0.00	0.00	-0.04	-0.04
220	2.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.13	-1.11	-0.13	-0.15	-0.02	-0.02	0.00	-0.01
221	5.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.64	-0.64	0.17	0.16	-0.01	-0.01	0.01	0.01
222	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.15	1.04	1.15	0.00	0.00	0.03	0.04
223	-36.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.07	-0.04	-0.05	0.00	0.00	0.00	0.00
224	-10.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.25	-1.23	-1.40	0.01	0.00	-0.04	-0.05
225	6.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20	-0.02	-1.17	-1.45	0.00	0.00	-0.04	-0.05
226	13.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-0.27	0.53	0.62	-0.01	0.00	0.02	0.02
227	19.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	-0.13	2.35	2.96	0.00	0.00	0.08	0.10
228	18.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.90	4.61	6.05	0.01	0.03	0.15	0.20
229	-0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.84	2.70	3.63	0.01	0.03	0.09	0.12
230	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	-0.43	3.37	4.36	-0.01	0.00	0.11	0.14
231	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	-0.01	-1.02	-0.91	0.00	0.00	-0.03	-0.03
232	-2.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.87	-1.06	-1.18	-0.87	-0.02	-0.02	-0.04	-0.03
233	7.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	-0.18	-1.18	-1.06	0.00	0.00	-0.04	-0.03
234	12.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26	-0.30	-0.78	-0.71	-0.01	-0.01	-0.03	-0.02
235	14.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.32	-0.33	0.30	0.33	-0.01	-0.01	0.01	0.01
236	13.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.29	3.00	2.94	0.01	0.01	0.10	0.10
237	-39.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.08	0.63	0.62	0.00	0.00	0.02	0.02
238	-20.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.81	-2.05	-2.11	0.02	0.02	-0.07	-0.07
239	-2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	1.12	0.62	0.61	0.02	0.02	0.02	0.02
240	-10.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.22	-0.13	-0.16	0.00	0.00	0.00	-0.01
241	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.05	-1.03	0.08	0.05	-0.02	-0.02	0.00	0.00
242	-1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.37	0.04	0.03	-0.01	-0.01	0.00	0.00

256	11.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.20	1.78	1.73	0.00	0.00	0.06	0.06	
257	-34.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.42	1.41	1.34	0.01	0.01	0.05	0.04	
258	-18.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.11	-1.37	-1.42	0.00	0.00	-0.05	-0.05	
259	-5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	-1.33	-1.38	0.00	0.00	-0.04	-0.05	
260	-3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	1.15	0.07	0.05	0.02	0.02	0.00	0.00	
261	-17.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.09	0.08	0.00	0.00	0.00	0.00	
262	-5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.06	-1.02	-0.03	-0.09	-0.02	-0.02	0.00	0.00	
263	-5.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	-0.33	-0.36	0.00	0.00	-0.01	-0.01	
264	-10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.19	-1.29	-1.46	0.00	0.00	-0.04	-0.05	
265	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	-0.23	-0.29	0.00	0.00	-0.01	-0.01	
266	10.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15	-0.16	0.25	0.25	0.00	0.00	0.01	0.01	
267	13.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.14	-0.31	1.44	1.71	-0.01	0.00	0.05	0.06	
268	13.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	3.35	4.18	0.00	0.01	0.11	0.14
269	-14.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.08	2.59	3.72	0.04	0.06	0.09	0.12	
270	5.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	-0.19	1.71	2.19	-0.01	0.00	0.06	0.07	
271	-0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-0.06	0.60	0.49	0.00	0.00	0.02	0.02	
272	5.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.92	-1.56	-1.46	0.02	0.02	-0.05	-0.05	
273	9.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.04	-1.55	-1.34	0.00	0.00	-0.05	-0.04	
274	11.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.11	-0.84	-0.77	0.00	0.00	-0.03	-0.03	
275	10.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11	-0.10	0.17	0.16	0.00	0.00	0.01	0.01	
276	9.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.04	1.74	1.66	0.00	0.00	0.06	0.05	
277	-24.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	1.51	0.48	0.37	0.03	0.03	0.02	0.01	
278	-24.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.80	-0.84	-2.46	-2.40	-0.02	-0.02	-0.08	-0.08	
279	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.97	-0.96	0.23	0.20	-0.02	-0.02	0.01	0.01	
280	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.06	0.05	0.00	0.00	0.00	
281	-7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.02	0.12	0.13	0.02	0.02	0.00	0.00	
282	-32.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	-0.04	-0.05	0.00	0.00	0.00	0.00	
283	-11.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.94	-0.86	-1.23	-1.36	-0.02	-0.02	-0.04	-0.04	
284	-2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.25	-0.51	-0.56	0.01	0.00	-0.02	-0.02	
285	5.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.01	-0.25	-0.31	0.00	0.00	-0.01	-0.01	
286	9.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.08	0.25	0.26	0.00	0.00	0.01	0.01	
287	11.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.17	1.08	1.26	0.00	0.00	0.04	0.04	
288	11.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	-0.24	1.96	2.37	-0.01	0.00	0.06	0.08	
289	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	1.24	1.96	2.73	0.02	0.03	0.07	0.09	
290	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.29	-0.41	-0.50	0.01	0.01	-0.01	-0.02	
291	2.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	-0.11	-1.50	-1.21	0.00	0.00	-0.05	-0.04	
292	6.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	-0.84	-2.13	-1.63	-0.02	-0.01	-0.07	-0.05	
293	10.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	-0.01	-2.95	-2.53	0.00	0.00	-0.10	-0.08	
294	10.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.09	-0.97	-0.86	0.00	0.00	-0.03	-0.03	
295	10.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.12	0.08	0.06	0.00	0.00	0.00	0.00	
296	4.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.00	0.65	0.60	0.00	0.00	0.02	0.02	
297	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	1.56	1.43	1.28	0.03	0.03	0.05	0.04	
298	-24.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.30	-0.32	-0.37	0.01	0.01	-0.01	-0.01	
299	-21.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	-1.71	-1.68	0.00	0.00	-0.06	-0.06	
300	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.95	-0.95	-0.07	-0.08	-0.02	-0.02	0.00	0.00	
301	-1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.17	0.16	0.00	0.00	0.01	0.01	
302	-19.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	1.07	-0.14	-0.10	0.02	0.02	0.00	0.00	
303	-21.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.11	-0.29	-0.31	0.00	0.00	-0.01	-0.01	
304	-3.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.31	-1.33	-1.40	0.01	0.01	-0.04	-0.05	
305	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.18	-0.23	-0.26	0.00	0.00	-0.01	-0.01	
306	10.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.03	0.28	0.29	0.00	0.00	0.01	0.01	
307	11.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-0.19	0.86	0.96	0.00	0.00	0.03	0.03	
308	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08	-0.31	2.40	2.76	-0.01	0.00	0.08	0.09	
309	6.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	-0.18	1.60	1.94	0.00	0.00	0.05	0.06	
310	-1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	-0.28	-0.27	0.00	0.00	-0.01	-0.01	
311	-4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-0.09	2.05	1.68	0.00	-0.01	0.07	0.06	
312	-4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17	-0.56	-2.81	-2.20	-0.01	-0.01	-0.09	-0.07	
313	10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.05	-3.48	-2.88	0.00	0.01	-0.11	-0.09	
314	10.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.05	-1.35	-1.15	0.00	0.00	-0.04	-0.04	
315	9.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	-0.11	-0.11	0.00	0.00	0.00	0.00	
316	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	0.07	1.44	1.27	0.00	0.00	0.05	0.04	
317	-2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.30	0.34	0.29	0.01	0.01	0.01	0.01	
318	-9.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.59	-1.16	-1.19	0.03	0.03	-0.04	-0.04	
319	-3.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.04	0.46	0.40	0.02	0.02	0.01	0.01	
320	-10.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	-0.13	-0.14	0.00	0.00	0.00	0.00	
321	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.87	-0.86	0.17	0.15	-0.02	-0.02	0.01	0.00	
322	-6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	-0.17	-0.17	0.00	0.00	-0.01	-0.01	
323	-18.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.05	-1.39	-1.37	0.02	0.02	-0.05	-0.05	
324	7.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.13	-0.30	-0.32	0.00	0.00	-0.01	-0.01	
325	8.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	-0.10	-0.10	0.01	0.01	0.00	0.00	
326	10.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.34	0.35	0.00	0.00	0.01	0.01	
327	11.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18	-0.22	0.86	0.92	0.00	0.00	0.03	0.03	
328	9.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12	-0.23	1.25	1.42	-0.01	0.00	0.04	0.05	
329	5.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.18	-1.20	1.36	1.39	-0.03	-0.03	0.04	0.05	

343	-4.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	-0.57	-0.57	0.00	0.00	-0.02	-0.02
344	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.03	-1.36	-1.41	0.00	0.00	-0.04	-0.05
345	11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.03	0.03	0.00	0.00	0.00	0.00
346	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.14	0.43	0.45	0.00	0.00	0.01	0.01
347	10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.06	0.84	0.90	0.00	0.00	0.03	0.03
348	9.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.14	1.98	2.22	0.00	0.00	0.07	0.07
349	-10.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	-0.19	1.21	1.37	0.00	0.00	0.04	0.05
350	-1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23	-0.15	-0.63	-0.75	0.00	0.00	-0.02	-0.02
351	-1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.13	1.15	0.90	0.00	0.00	0.04	0.03
352	-15.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.90	-1.52	-3.74	-2.76	-0.04	-0.02	-0.12	-0.09
353	14.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	-0.84	-6.85	-5.41	-0.02	0.00	-0.22	-0.18
354	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.03	-2.15	-1.75	0.00	0.00	-0.07	-0.06
355	9.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.19	-0.25	-0.22	0.00	0.00	-0.01	-0.01
356	5.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.18	1.35	1.16	0.00	0.00	0.04	0.04
357	-35.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.16	0.11	0.00	0.00	0.01	0.00
358	-9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.13	-1.24	-1.13	0.00	0.00	-0.04	-0.04
359	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.36	-0.48	-0.46	0.01	0.01	-0.02	-0.02
360	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.45	-0.07	-0.06	0.01	0.01	0.00	0.00
361	-7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	1.03	0.21	0.23	0.02	0.02	0.01	0.01
362	-31.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.06	0.06	0.00	0.00	0.00	0.00
363	-9.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-0.99	-1.34	-1.35	-0.02	-0.02	-0.04	-0.04
364	3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	-0.58	-0.58	0.00	0.00	-0.02	-0.02
365	12.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.05	-0.06	-0.06	0.00	0.00	0.00	0.00
366	13.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.11	0.45	0.47	0.00	0.00	0.01	0.02
367	11.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.07	0.87	0.93	0.00	0.00	0.03	0.03
368	7.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	1.03	1.14	0.00	0.00	0.03	0.04
369	-2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.89	0.80	1.10	0.02	0.02	0.03	0.04

ZEMİN GERİLMESİ t/m²

Nok. no	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	max. σ
	g	g	g	g	g	g	g	z	e	e	e	e	w	w	w	w	
1	48.58	0.000	0.000	0.000	0.000	0.000	0.000	0.00	5.676	7.552	-5.28	-8.20	0.169	0.129	-0.17	-0.27	48.58
2	42.03	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.093	3.580	-5.73	-8.05	0.083	0.052	-0.19	-0.26	42.03
3	43.94	0.000	0.000	0.000	0.000	0.000	0.000	0.00	6.111	7.309	-1.87	-3.73	0.161	0.135	-0.06	-0.12	43.94
4	35.12	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.64	0.358	-5.26	-6.81	0.013	-0.00	-0.17	-0.22	35.12
5	37.29	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.547	3.372	-2.30	-3.59	0.075	0.058	-0.07	-0.11	37.29
6	37.75	0.000	0.000	0.000	0.000	0.000	0.000	0.00	5.503	6.047	0.717	-0.13	0.131	0.119	0.023	-0.00	37.75
7	28.90	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.96	-1.36	-4.33	-5.25	-0.02	-0.03	-0.14	-0.17	28.90
8	29.25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.20	0.241	-2.24	-2.93	0.007	-0.00	-0.07	-0.09	29.25
9	30.71	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.445	2.696	0.324	-0.06	0.058	0.053	0.010	-0.00	30.71
10	30.01	0.000	0.000	0.000	0.000	0.000	0.000	0.00	4.333	4.456	1.861	1.670	0.095	0.092	0.061	0.055	30.01
11	22.68	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-2.27	-1.96	-3.25	-3.73	-0.04	-0.04	-0.10	-0.12	22.68
12	23.06	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.39	-1.20	-1.85	-2.16	-0.02	-0.02	-0.06	-0.07	23.06
13	22.41	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.084	0.100	0.058	0.032	0.002	0.002	0.002	0.001	22.41
14	23.90	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.985	1.933	1.409	1.489	0.041	0.042	0.046	0.049	23.90
15	22.08	0.000	0.000	0.000	0.000	0.000	0.000	0.00	3.083	3.026	1.861	1.950	0.064	0.065	0.061	0.064	22.08
16	16.35	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.86	-1.72	-2.17	-2.39	-0.03	-0.03	-0.07	-0.07	16.35
17	17.62	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.76	-1.72	-1.40	-1.46	-0.03	-0.03	-0.04	-0.04	17.62
18	16.09	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.95	-1.05	-0.02	0.134	-0.02	-0.02	-0.00	0.005	16.09
19	16.51	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.175	0.007	0.983	1.246	-0.00	0.003	0.033	0.041	16.51
20	17.23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.466	1.321	1.474	1.701	0.027	0.030	0.049	0.056	17.23
21	16.68	0.000	0.000	0.000	0.000	0.000	0.000	0.00	2.229	2.150	1.356	1.479	0.045	0.047	0.045	0.049	16.68
22	12.01	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.11	-1.03	-1.45	-1.58	-0.02	-0.02	-0.04	-0.05	12.01
23	12.29	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.49	-1.51	-0.95	-0.92	-0.03	-0.03	-0.03	-0.03	12.29
24	11.51	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.25	-1.39	-0.02	0.190	-0.03	-0.02	-0.00	0.006	11.51
25	10.99	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.64	-0.84	0.671	0.981	-0.01	-0.01	0.022	0.033	10.99
26	12.06	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.213	0.022	1.061	1.358	0.000	0.004	0.035	0.045	12.06
27	12.94	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.044	0.928	1.031	1.211	0.019	0.022	0.034	0.040	12.94
28	13.87	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.738	1.657	0.994	1.120	0.035	0.036	0.033	0.037	13.87
29	10.81	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.53	-0.44	-1.13	-1.26	-0.00	-0.01	-0.03	-0.04	10.81
30	8.699	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.87	-0.88	-0.61	-0.60	-0.01	-0.01	-0.02	-0.02	8.699
31	7.971	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-1.07	-1.19	-0.04	0.139	-0.02	-0.02	-0.00	0.005	7.971
32	7.424	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.86	-1.04	0.463	0.747	-0.02	-0.01	0.016	0.025	7.424
33	8.168	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.42	-0.61	0.714	1.005	-0.01	-0.01	0.024	0.033	8.168
34	9.493	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.161	0.014	0.790	1.018	0.000	0.003	0.026	0.034	9.493
35	11.35	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.771	0.664	0.797	0.963	0.014	0.016	0.026	0.032	11.35
36	10.59	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.194	1.108	0.751	0.885	0.023	0.025	0.025	0.029	10.59
37	11.43	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.35	-0.29	-1.04	-1.15	-0.00	-0.00	-0.03	-0.03	11.43
38	7.577	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.36	-0.34	-0.42	-0.44	-0.00	-0.00	-0.01	-0.01	7.577
39	5.603	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.65	-0.72	0.002	0.119	-0.01	-0.01	0.000	0.004	5.603
40	5.136	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.74	-0.88	0.329	0.547	-0.01	-0.01	0.011	0.018	5.136
41	5.904	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.61	-0.77	0.471	0.712	-0.01	-0.01	0.016	0.024	5.904
42	7.382	0.000	0.000	0.000	0.000	0.000	0.000	0.00	-0.26	-0.40	0.533	0.746	-0.00	-0.00	0.018	0.025	7.382
43	8.430	0															

53	7.381	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069	-0.02	0.493	0.641	-0.00	0.001	0.016	0.021	7.381
54	6.215	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.350	0.291	0.365	0.457	0.006	0.007	0.012	0.015	6.215
55	4.956	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.567	0.556	0.079	0.095	0.012	0.012	0.003	0.003	4.956
56	9.514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.11	-0.08	-0.58	-0.63	-0.00	-0.00	-0.01	-0.02	9.514
57	7.989	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.26	-0.26	-0.27	-0.26	-0.00	-0.00	-0.00	-0.00	7.989
58	4.863	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.18	0.158	0.210	-0.00	-0.00	0.005	0.007	4.863
59	3.213	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.22	-0.28	0.252	0.341	-0.00	-0.00	0.008	0.011	3.213
60	3.772	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.36	-0.44	0.262	0.383	-0.01	-0.00	0.009	0.013	3.772
61	6.251	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.47	-0.55	0.222	0.348	-0.01	-0.01	0.007	0.012	6.251
62	9.387	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.34	-0.42	0.308	0.440	-0.00	-0.00	0.010	0.015	9.387
63	7.434	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.12	-0.21	0.395	0.525	-0.00	-0.00	0.013	0.017	7.434
64	5.598	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	-0.02	0.301	0.390	-0.00	0.000	0.010	0.013	5.598
65	4.526	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.234	0.222	0.079	0.098	0.005	0.005	0.003	0.003	4.526
66	4.952	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.593	0.622	-0.22	-0.26	0.013	0.013	-0.00	-0.00	4.952
67	9.560	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.190	-0.56	-0.64	0.004	0.003	-0.01	-0.02	9.560
68	7.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.05	-0.04	-0.22	-0.24	-0.00	-0.00	-0.00	-0.00	7.040
69	5.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.10	-0.13	0.080	0.117	-0.00	-0.00	0.003	0.004	5.021
70	3.265	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.07	-0.10	0.222	0.278	-0.00	-0.00	0.007	0.009	3.265
71	3.446	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.20	0.205	0.276	-0.00	-0.00	0.007	0.009	3.446
72	5.278	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.29	-0.34	0.174	0.258	-0.00	-0.00	0.006	0.009	5.278
73	8.564	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.42	-0.49	0.203	0.303	-0.01	-0.00	0.007	0.010	8.564
74	8.696	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.24	-0.32	0.353	0.471	-0.00	-0.00	0.012	0.016	8.696
75	5.705	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.13	-0.18	0.252	0.331	-0.00	-0.00	0.008	0.011	5.705
76	4.195	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	-0.03	0.078	0.098	-0.00	-0.00	0.003	0.003	4.195
77	4.396	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.213	0.244	-0.17	-0.22	0.005	0.005	-0.00	-0.00	4.396
78	6.968	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.834	0.881	-0.43	-0.50	0.019	0.018	-0.01	-0.01	6.968
79	10.90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.281	0.342	-0.75	-0.84	0.008	0.006	-0.02	-0.02	10.90
80	7.170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.160	0.191	-0.23	-0.28	0.004	0.004	-0.00	-0.00	7.170
81	4.862	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.019	0.007	0.014	0.000	0.000	0.000	0.000	4.862
82	3.550	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	-0.00	0.144	0.174	0.000	0.000	0.005	0.006	3.550
83	3.652	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	-0.02	0.130	0.165	-0.00	0.000	0.004	0.005	3.652
84	5.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.07	-0.10	0.097	0.140	-0.00	-0.00	0.003	0.005	5.040
85	6.817	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.21	-0.25	0.121	0.179	-0.00	-0.00	0.004	0.006	6.817
86	8.116	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.27	-0.32	0.215	0.296	-0.00	-0.00	0.007	0.010	8.116
87	6.118	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.18	-0.23	0.206	0.273	-0.00	-0.00	0.007	0.009	6.118
88	4.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.14	-0.16	0.073	0.094	-0.00	-0.00	0.002	0.003	4.250
89	3.989	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.06	-0.03	-0.12	-0.16	-0.00	-0.00	-0.00	-0.00	3.989
90	5.792	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.274	0.338	-0.38	-0.48	0.007	0.006	-0.01	-0.01	5.792
91	9.835	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.179	1.207	-0.49	-0.54	0.026	0.025	-0.01	-0.01	9.835
92	11.57	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.159	0.202	-1.09	-1.07	0.004	0.004	-0.03	-0.03	11.57
93	8.352	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.311	0.356	-0.31	-0.38	0.008	0.007	-0.01	-0.01	8.352
94	5.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.179	0.195	-0.04	-0.06	0.004	0.004	-0.00	-0.00	5.154
95	3.934	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.117	0.114	0.042	0.047	0.002	0.002	0.001	0.002	3.934
96	4.155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.104	0.034	0.044	0.002	0.002	0.001	0.001	4.155
97	5.693	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.085	-0.01	-0.00	0.002	0.002	0.000	0.000	5.693
98	6.784	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.015	0.031	0.051	0.000	0.001	0.001	0.002	6.784
99	6.956	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.11	-0.14	0.102	0.143	-0.00	-0.00	0.003	0.005	6.956
100	6.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.18	0.135	0.181	-0.00	-0.00	0.004	0.006	6.070
101	4.489	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.17	0.053	0.071	-0.00	-0.00	0.002	0.002	4.489
102	4.041	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.16	-0.15	-0.08	-0.11	-0.00	-0.00	-0.00	-0.00	4.041
103	4.982	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.10	-0.04	-0.26	-0.35	-0.00	-0.00	-0.00	-0.01	4.982
104	8.376	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.399	0.452	-0.40	-0.48	0.010	0.009	-0.01	-0.01	8.376
105	11.32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.341	1.374	-0.70	-0.75	0.029	0.029	-0.02	-0.02	11.32
106	10.61	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.014	-1.00	-1.02	0.000	0.000	-0.03	-0.03	10.61
107	8.868	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.164	0.190	-0.41	-0.45	0.004	0.004	-0.01	-0.01	8.868
108	5.840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.263	0.289	-0.06	-0.10	0.006	0.006	-0.00	-0.00	5.840
109	4.568	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.225	0.237	-0.05	-0.06	0.005	0.005	-0.00	-0.00	4.568
110	4.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.217	0.224	-0.07	-0.08	0.005	0.005	-0.00	-0.00	4.938
111	6.575	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.201	0.211	-0.13	-0.14	0.005	0.004	-0.00	-0.00	6.575
112	8.396	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.223	0.231	-0.10	-0.11	0.005	0.005	-0.00	-0.00	8.396
113	7.263	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.123	0.117	0.028	0.038	0.002	0.003	0.001	0.001	7.263
114	5.809	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	-0.04	0.062	0.085	-0.00	-0.00	0.002	0.003	5.809
115	4.624	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.09	-0.10	0.017	0.028	-0.00	-0.00	0.001	0.001	4.624
116	4.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.14	-0.08	-0.10	-0.00	-0.00	-0.00	-0.00	4.375
117	5.059	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.19	-0.15	-0.20	-0.27	-0.00	-0.00	-0.00	-0.00	5.059
118	6.480	0.000	0.000	0.000	0.000	0												

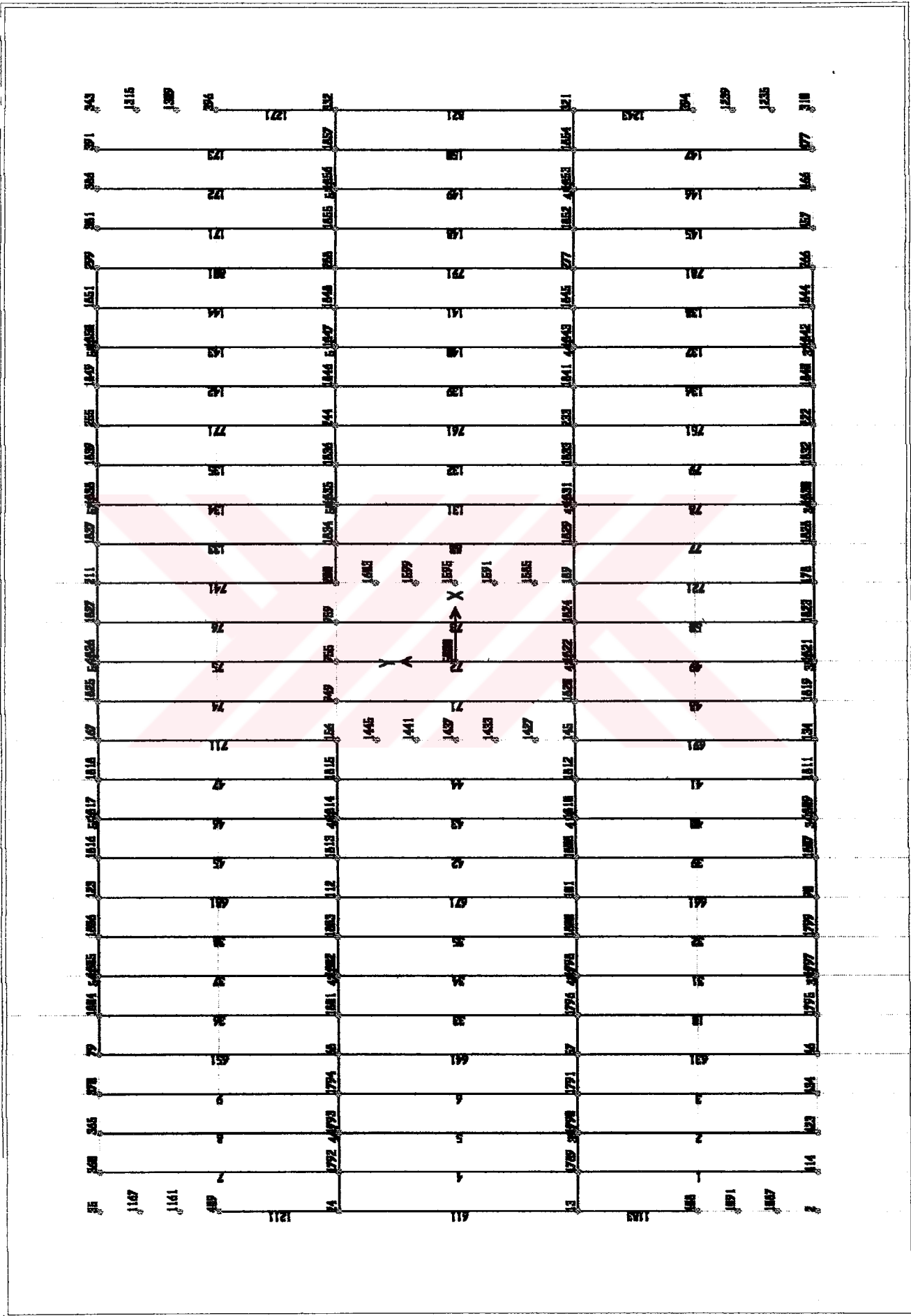
140	5.940	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.226	0.242	-0.23	-0.25	0.005	0.005	-0.00	-0.00	5.940
141	7.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.386	0.410	-0.37	-0.41	0.009	0.008	-0.01	-0.01	7.816
142	9.776	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.476	0.504	-0.37	-0.42	0.011	0.010	-0.01	-0.01	9.776
143	10.78	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.402	0.425	-0.33	-0.37	0.009	0.009	-0.01	-0.01	10.78
144	11.52	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.413	0.422	-0.12	-0.14	0.009	0.009	-0.00	-0.00	11.52
145	7.770	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.369	0.368	0.039	0.040	0.008	0.008	0.001	0.001	7.770
146	5.215	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.166	0.168	-0.03	-0.03	0.004	0.004	-0.00	-0.00	5.215
147	4.790	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.043	-0.11	-0.13	0.001	0.001	-0.00	-0.00	4.790
148	6.169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.08	-0.05	-0.20	-0.26	-0.00	-0.00	-0.00	-0.00	6.169
149	7.868	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.14	-0.09	-0.28	-0.36	-0.00	-0.00	-0.00	-0.01	7.868
150	7.183	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.23	-0.14	-0.37	-0.51	-0.00	-0.00	-0.01	-0.01	7.183
151	8.615	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	0.124	-0.79	-1.01	0.003	0.000	-0.02	-0.03	8.615
152	15.06	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.111	1.269	-1.51	-1.75	0.028	0.024	-0.05	-0.05	15.06
153	26.78	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.122	4.019	-1.88	-1.71	0.084	0.087	-0.06	-0.06	26.78
154	10.87	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.28	-0.34	-0.86	-0.77	-0.00	-0.00	-0.02	-0.02	10.87
155	8.758	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.18	-0.48	-0.44	-0.00	-0.00	-0.01	-0.01	8.758
156	5.657	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.01	-0.01	-0.21	-0.21	0.000	0.000	-0.00	-0.00	5.657
157	6.133	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.112	0.119	-0.32	-0.33	0.003	0.002	-0.01	-0.01	6.133
158	9.235	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.332	0.354	-0.55	-0.59	0.008	0.007	-0.01	-0.01	9.235
159	13.06	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.586	0.620	-0.58	-0.63	0.013	0.013	-0.01	-0.02	13.06
160	13.78	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.615	0.645	-0.43	-0.48	0.014	0.013	-0.01	-0.01	13.78
161	12.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.478	0.490	-0.24	-0.26	0.010	0.010	-0.00	-0.00	12.18
162	9.360	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.499	0.493	0.053	0.062	0.010	0.011	0.002	0.002	9.360
163	6.354	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.331	0.332	-0.00	-0.00	0.007	0.007	0.000	0.000	6.354
164	5.255	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.151	0.162	-0.12	-0.14	0.003	0.003	-0.00	-0.00	5.255
165	6.109	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.042	-0.19	-0.23	0.001	0.000	-0.00	-0.00	6.109
166	8.649	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.13	-0.07	-0.29	-0.38	-0.00	-0.00	-0.01	-0.01	8.649
167	8.591	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.08	-0.29	-0.40	-0.00	-0.00	-0.01	-0.01	8.591
168	7.258	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.34	-0.20	-0.57	-0.79	-0.00	-0.00	-0.01	-0.02	7.258
169	11.35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	0.171	-1.12	-1.43	0.005	0.000	-0.03	-0.04	11.35
170	22.53	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.779	1.839	-1.43	-1.53	0.039	0.038	-0.04	-0.05	22.53
171	37.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.809	5.293	-0.76	0.039	0.109	0.120	-0.02	0.002	37.16
172	9.556	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.12	-0.17	-0.67	-0.60	-0.00	-0.00	-0.02	-0.02	9.556
173	8.207	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.30	-0.34	-0.42	-0.35	-0.00	-0.00	-0.01	-0.01	8.207
174	5.782	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.15	-0.16	-0.15	-0.13	-0.00	-0.00	-0.00	-0.00	5.782
175	6.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	-0.02	-0.36	-0.36	-0.00	-0.00	-0.01	-0.01	6.003
176	9.956	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.177	0.189	-0.68	-0.70	0.004	0.004	-0.02	-0.02	9.956
177	15.91	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.496	0.529	-0.82	-0.87	0.011	0.011	-0.02	-0.02	15.91
178	19.46	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.789	0.828	-0.55	-0.61	0.018	0.017	-0.01	-0.02	19.46
179	16.51	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.727	0.750	-0.36	-0.40	0.016	0.015	-0.01	-0.01	16.51
180	12.26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.654	0.654	-0.07	-0.07	0.014	0.014	-0.00	-0.00	12.26
181	8.423	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.519	0.516	0.023	0.029	0.011	0.011	0.001	0.001	8.423
182	6.455	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.279	0.286	-0.09	-0.10	0.006	0.006	-0.00	-0.00	6.455
183	6.474	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.157	-0.17	-0.20	0.003	0.003	-0.00	-0.00	6.474
184	7.575	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.07	-0.03	-0.19	-0.24	-0.00	-0.00	-0.00	-0.00	7.575
185	9.127	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.21	-0.16	-0.19	-0.28	-0.00	-0.00	-0.00	-0.00	9.127
186	6.881	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.37	-0.26	-0.35	-0.51	-0.00	-0.00	-0.01	-0.01	6.881
187	8.398	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.55	-0.36	-0.79	-1.09	-0.00	-0.01	-0.02	-0.03	8.398
188	16.91	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.177	-1.03	-1.30	0.005	0.001	-0.03	-0.04	16.91
189	32.04	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.639	2.397	-0.35	0.024	0.049	0.055	-0.01	0.001	32.04
190	47.46	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.238	6.091	1.719	3.503	0.123	0.147	0.058	0.117	47.46
191	9.565	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.138	-0.68	-0.63	0.003	0.003	-0.02	-0.02	9.565
192	7.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.14	-0.17	-0.33	-0.28	-0.00	-0.00	-0.01	-0.00	7.034
193	5.545	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.24	-0.27	-0.17	-0.13	-0.00	-0.00	-0.00	-0.00	5.545
194	5.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.16	-0.17	-0.34	-0.32	-0.00	-0.00	-0.01	-0.01	5.578
195	9.793	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.02	-0.02	-0.73	-0.73	-0.00	0.000	-0.02	-0.02	9.793
196	17.37	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.245	0.262	-0.94	-0.97	0.006	0.005	-0.03	-0.03	17.37

Kompozit Sistem Yapının Metraji

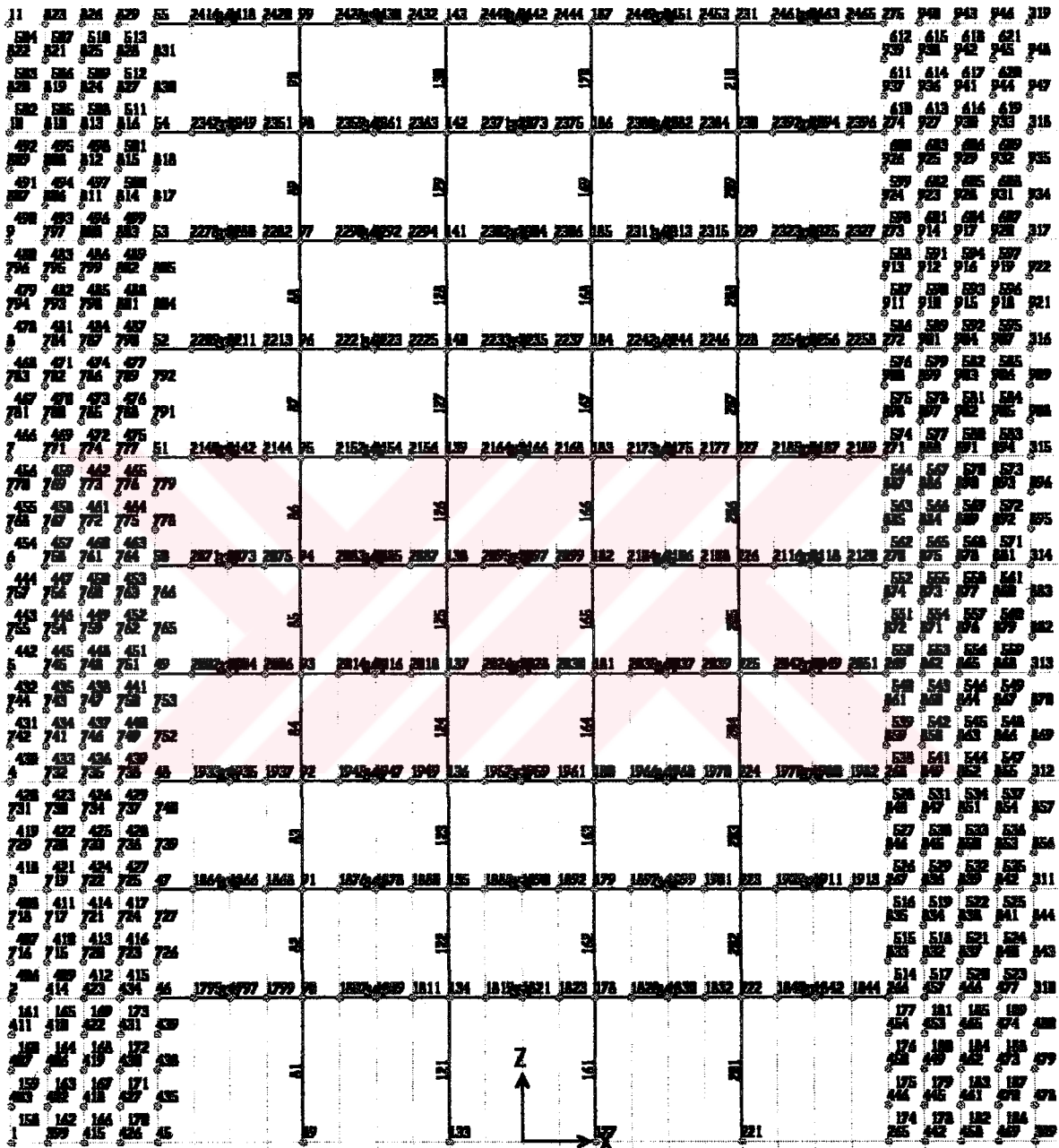
	Malzeme Cinsi	Mahal	Adet	Uzunluk(mt)	Toplam Uzunluk(mt)	Birim Ağırlık (kg/m)	Toplam Ağırlık(ton)
PROFİL	HE - 160 M	Ana Kiriş	87	6	522	76.06	39.70
	HE - 220 M	Kolon	62	6	372	116.71	43.42
	HE - 260 M	Kolon	42	6	252	172.33	43.43
	HE - 120 B	Kiriş	267	6	1602	26.63	42.66
	IPE 120	Nervür	630	6	3780	10.34	39.09
	TOPLAM AĞIRLIK						

	Malzeme	Mahal	Birim	Miktar
BETON+DEMİR	BS 25	Döşeme	M3	554.3
	BS 25	Perdeler	M3	410
	BS 25	Temel	M3	275.5
	BÇ III	Döşeme	TON	32.316
	BÇ III	Perdeler	TON	32
	BÇ III	Temel	TON	27
	Kalıp Yap.	Temel	M2	48
	Kalıp Yap.	Perdeler	M2	2740
	Kalıp Yap.	Döşeme	M2	4500

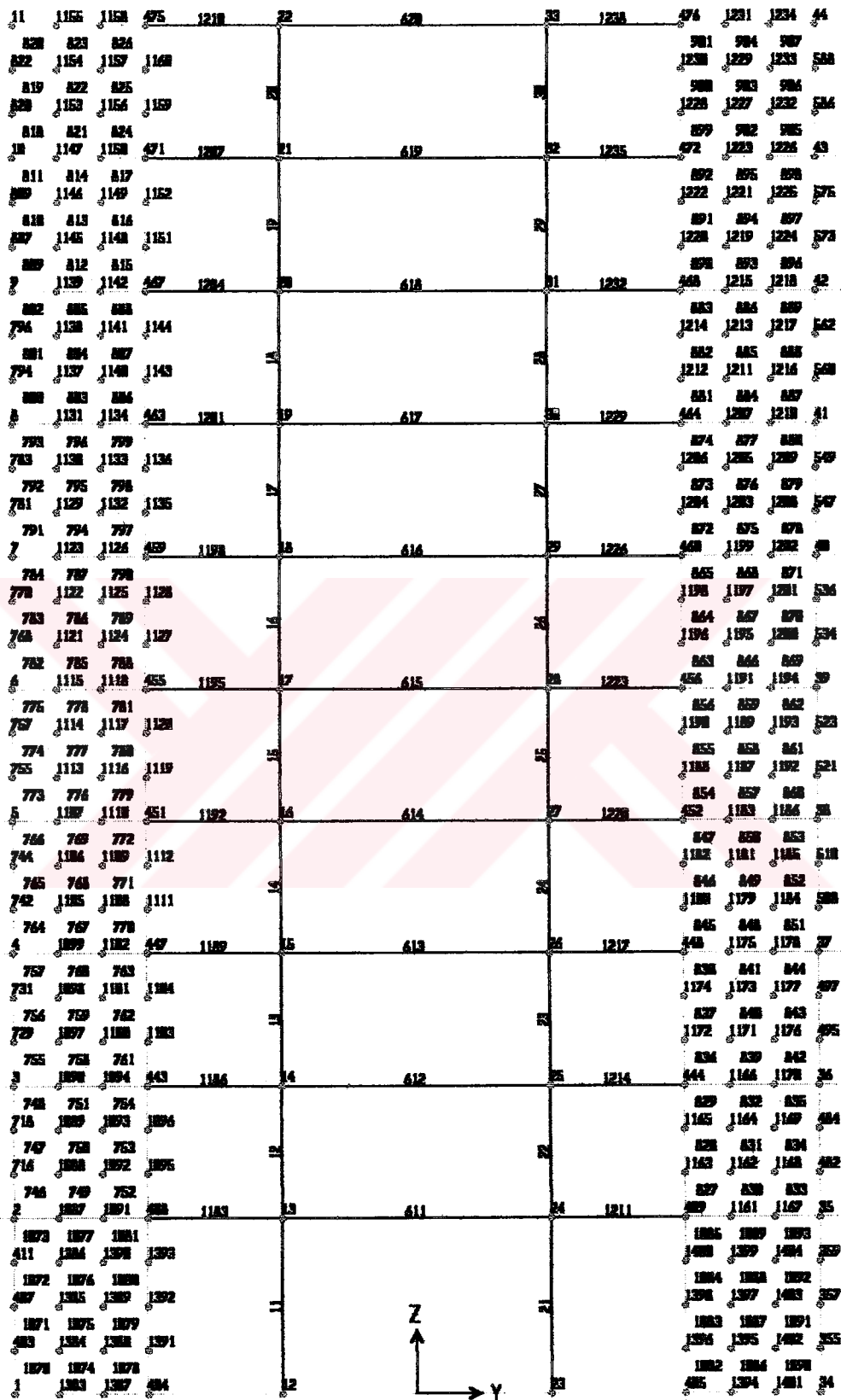
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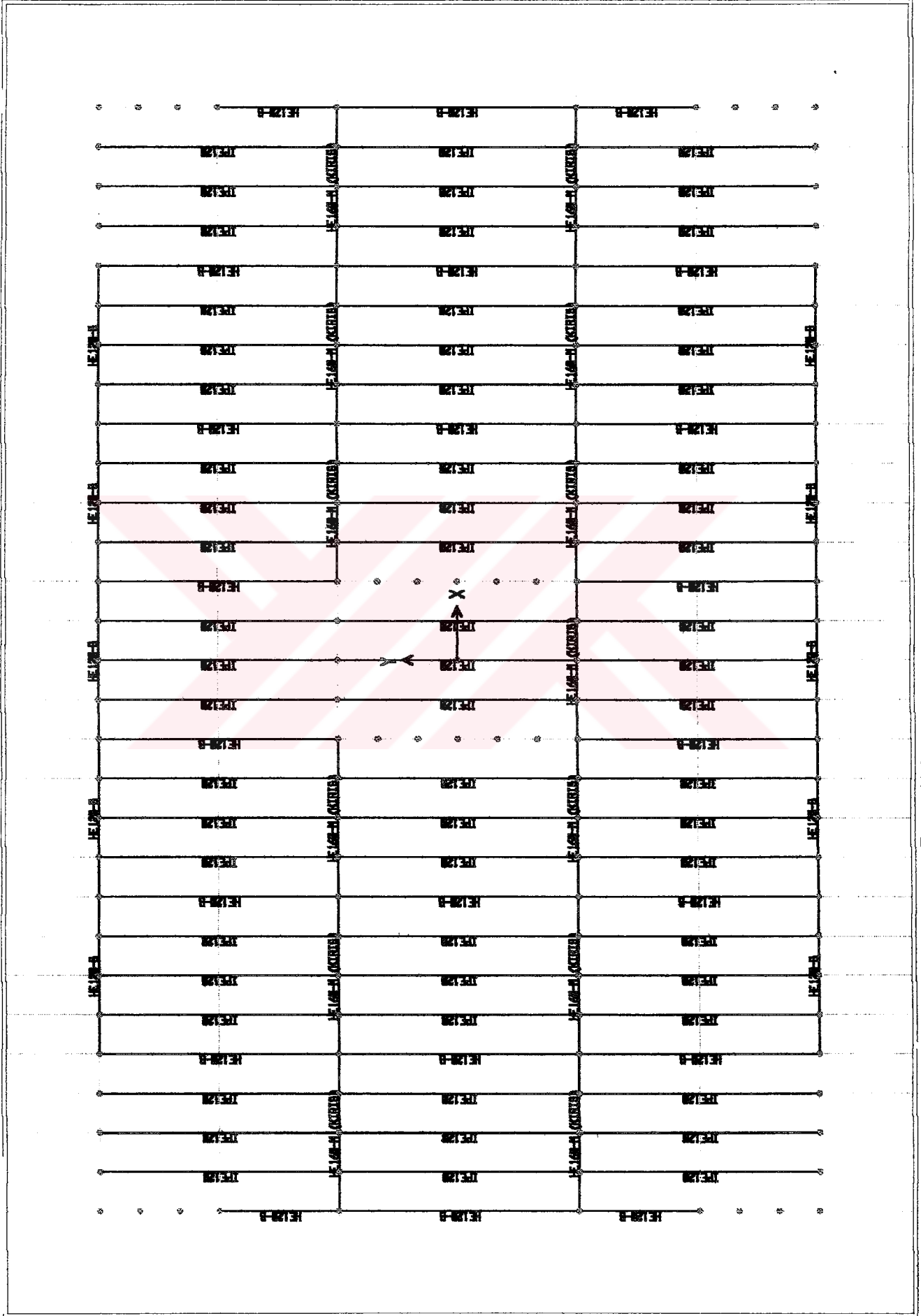


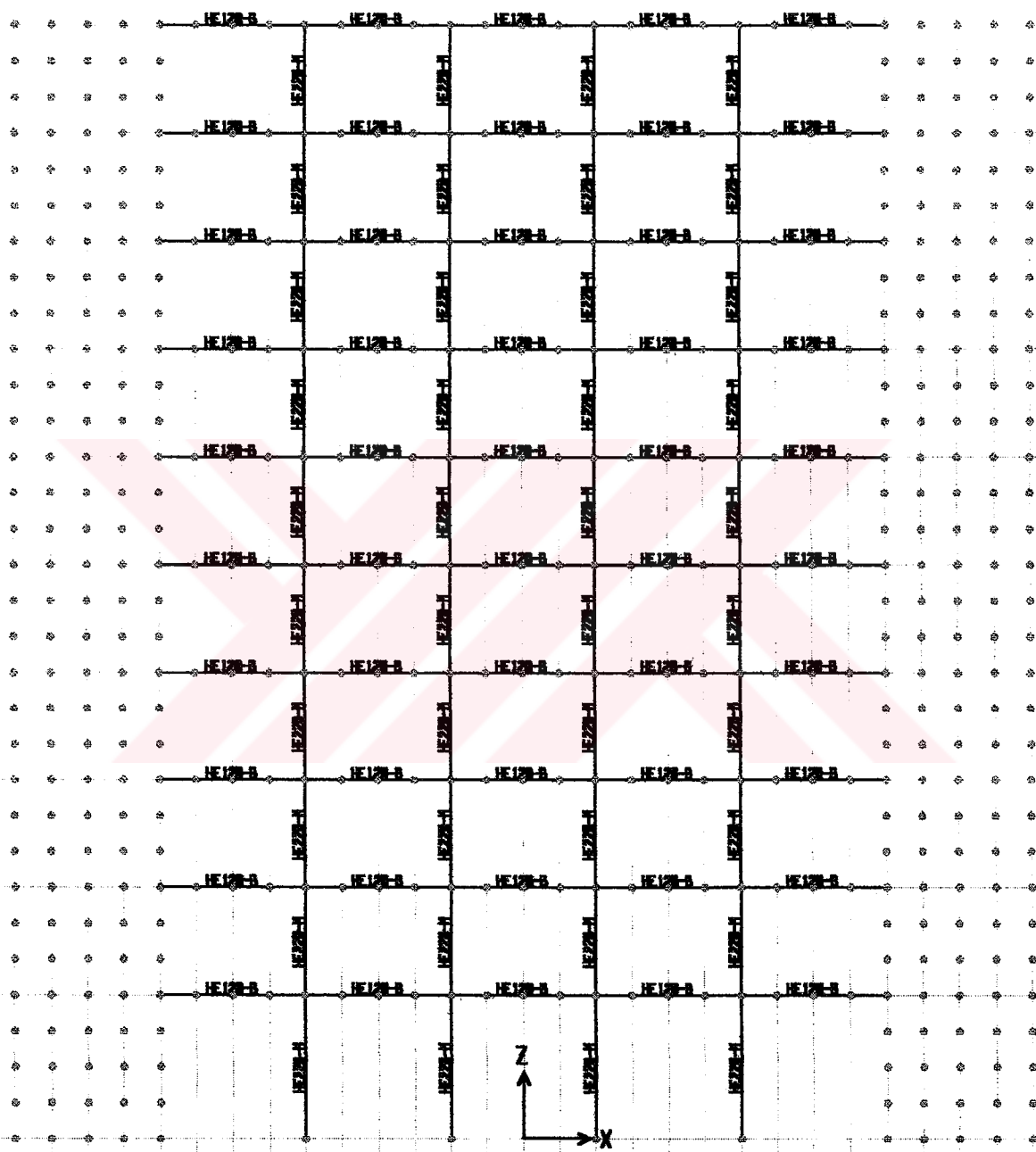
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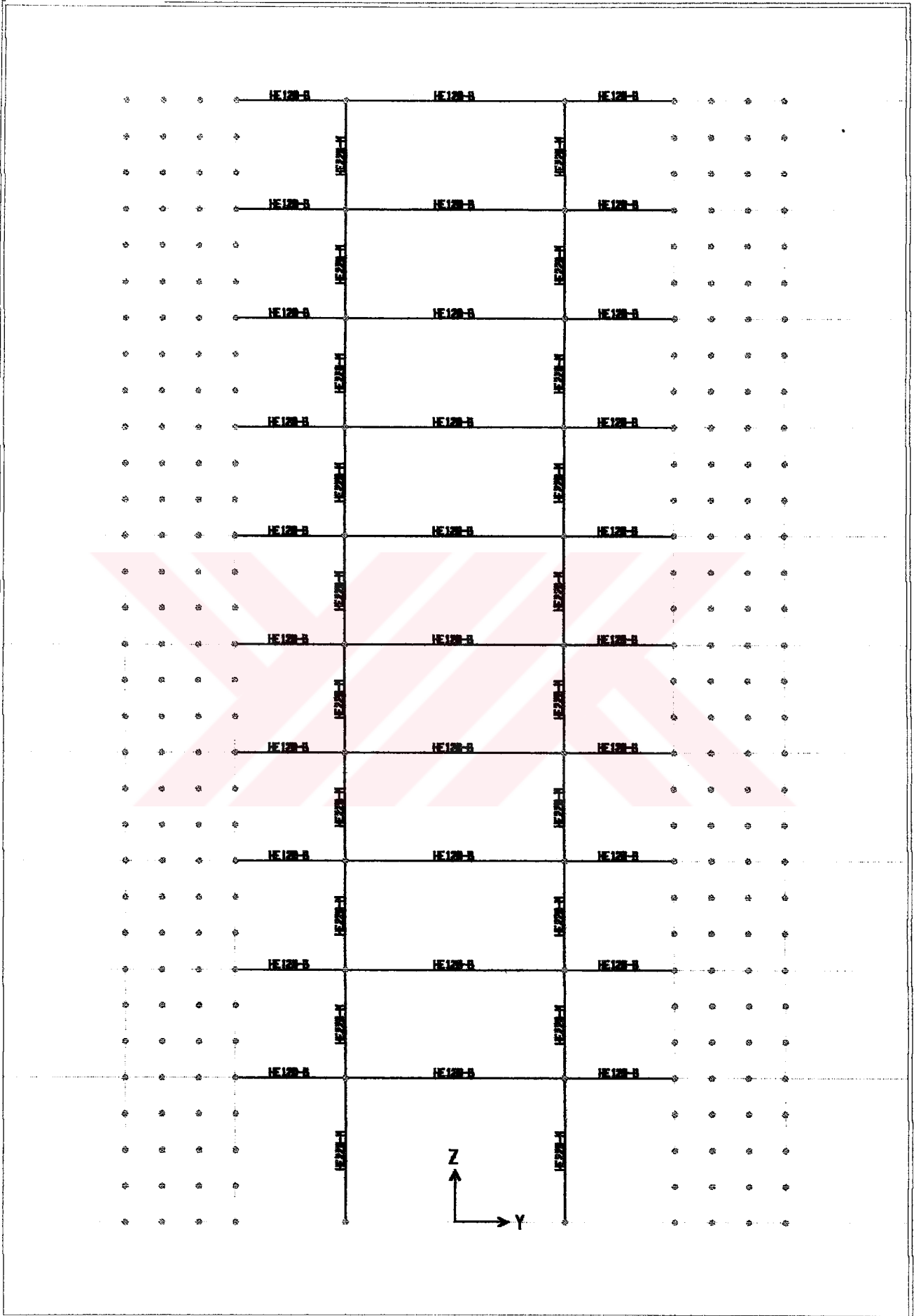


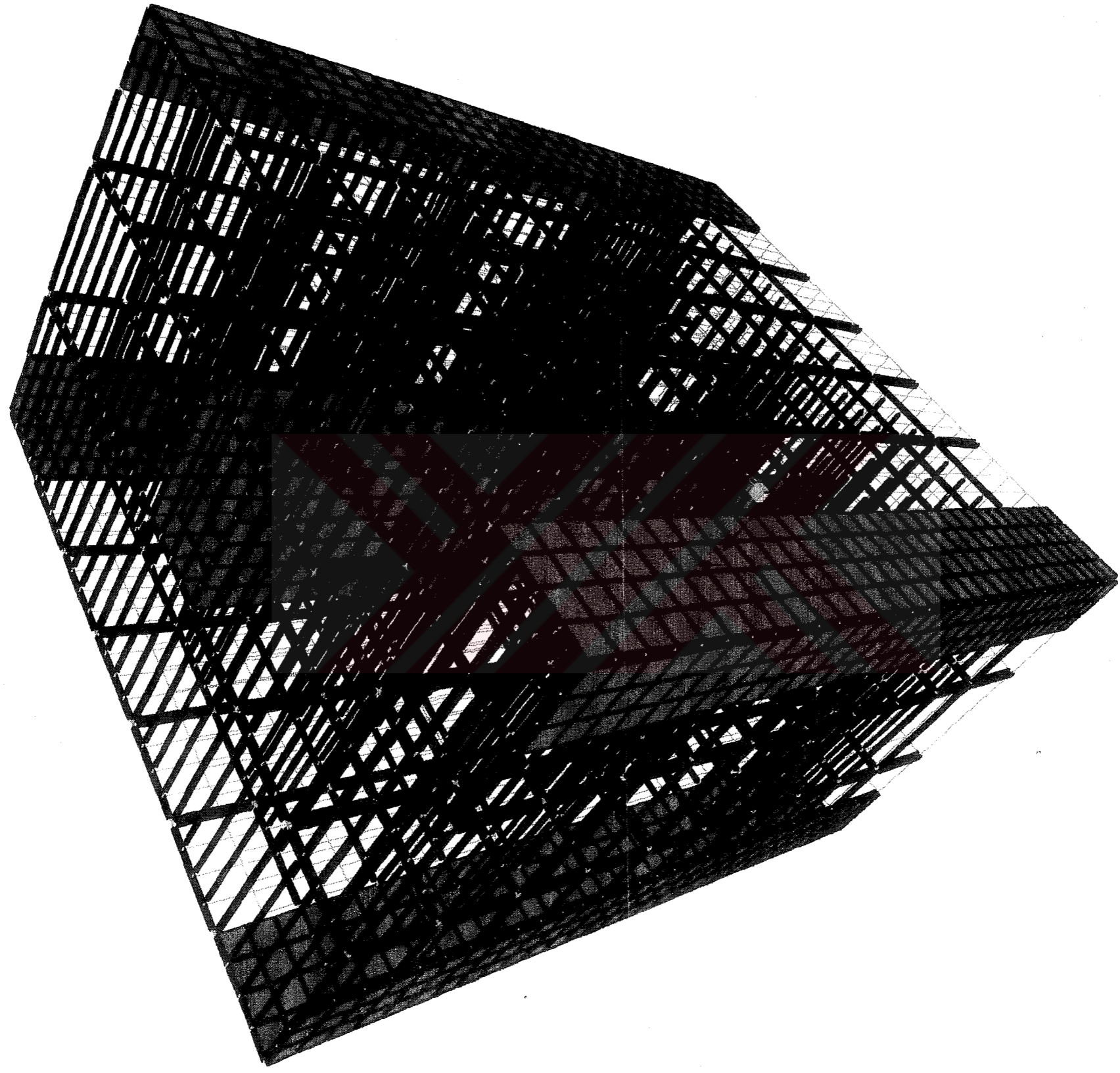
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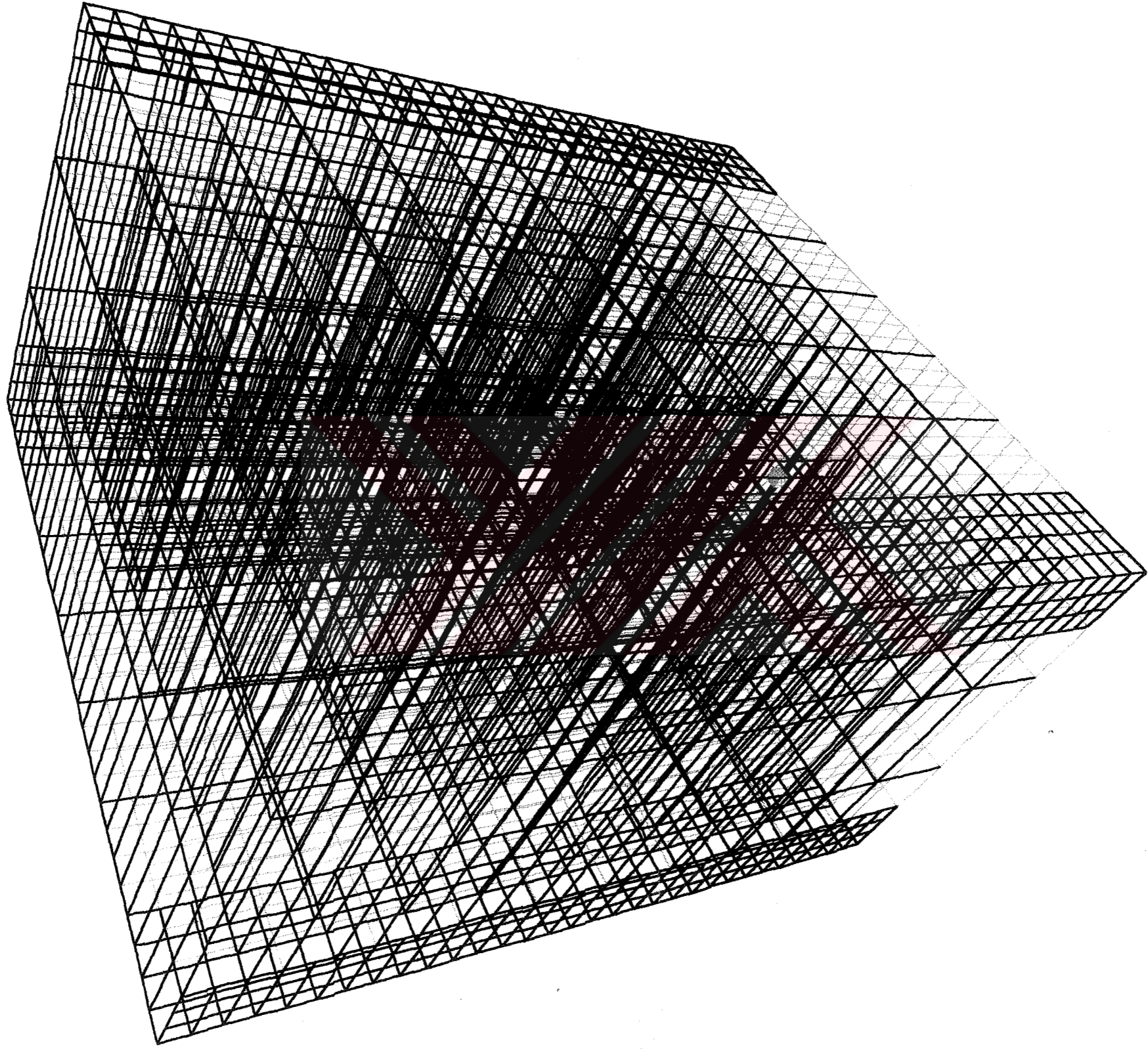


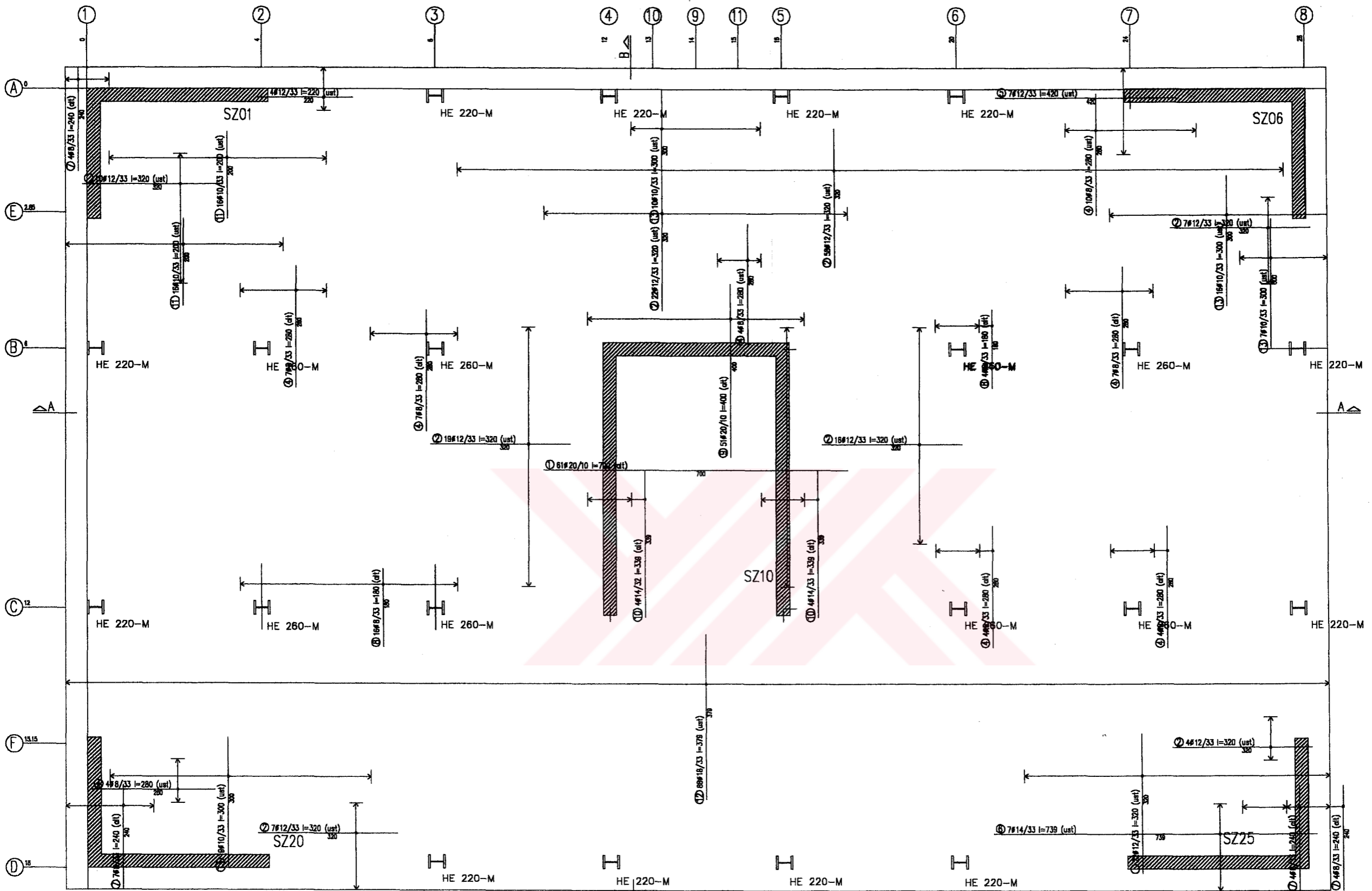








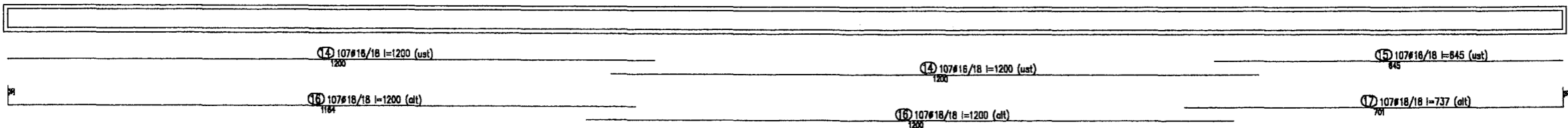




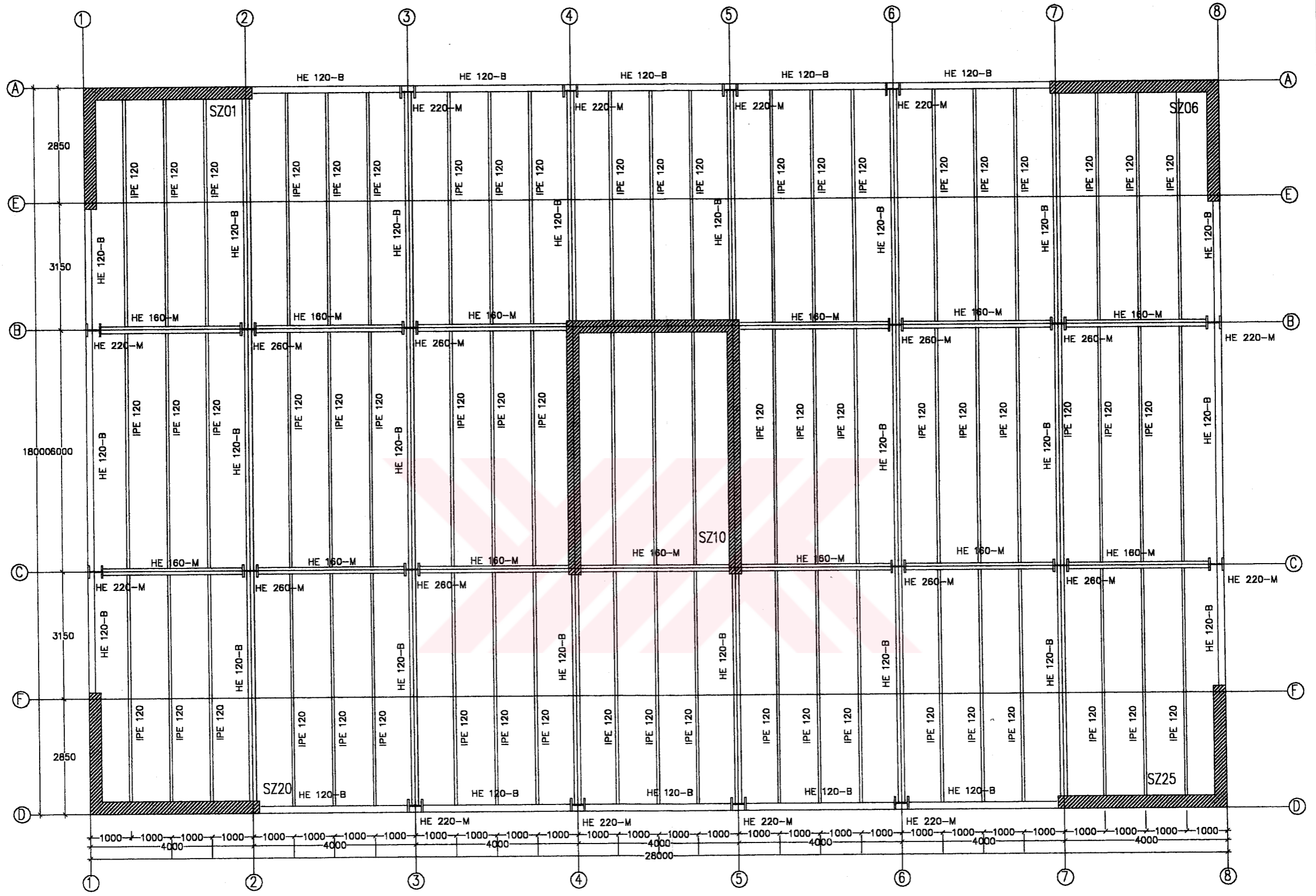
RADYE TEMEL APLIKASYON PLANI (1/100)

A - A KESİTİ

B - B KESİTİ

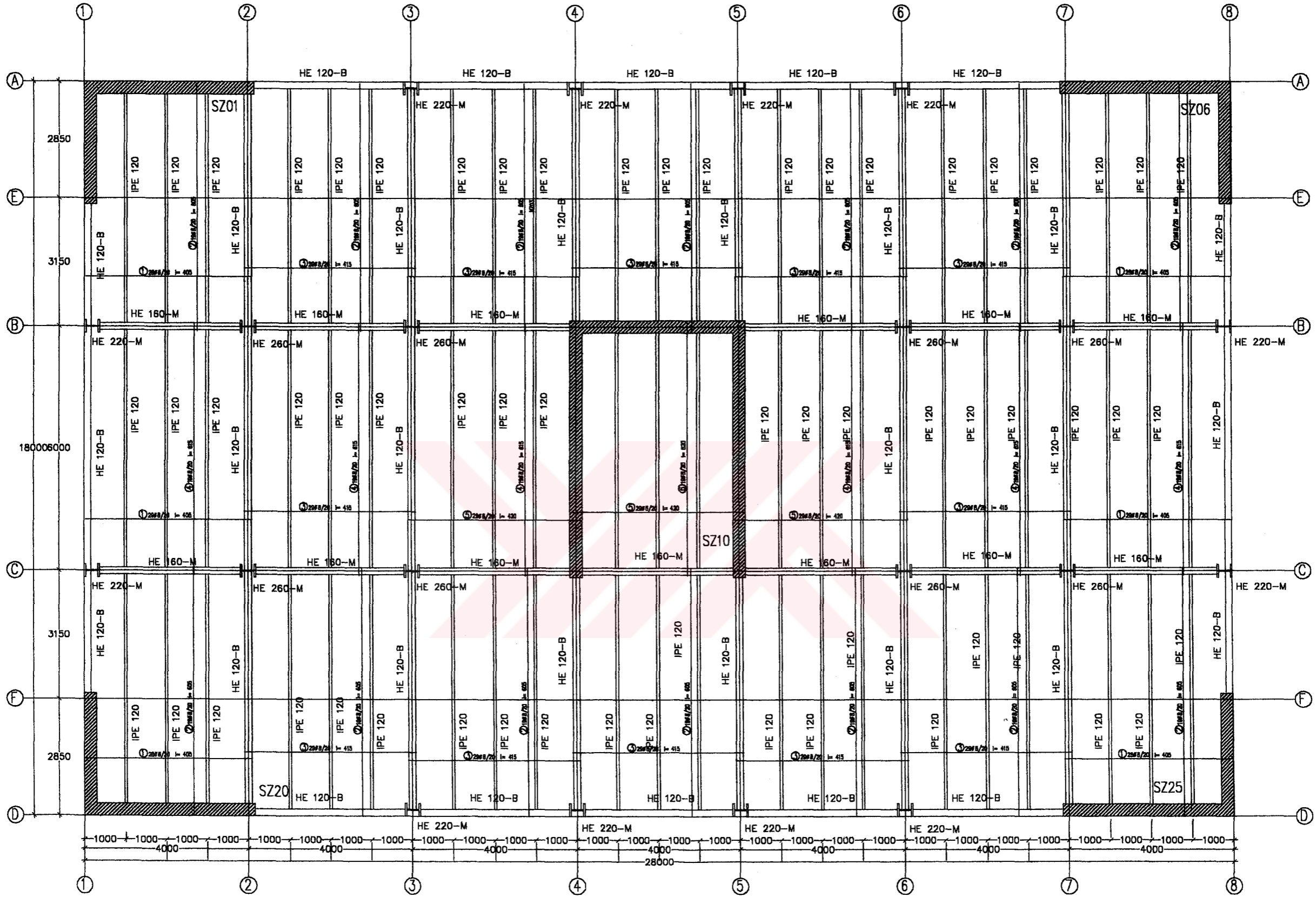


PROJE		
10 KATLI İŞ MERKEZİ PROJESİ		
RADYE TEMEL APLIKASYON PLANI (1/50)		
YAPI SAHİSİ	PAFTA	ADA PARSEL
ONAY		
PROJE MÜELLİFİ	ODA VİZESİ	BELEDİYE ONAYI



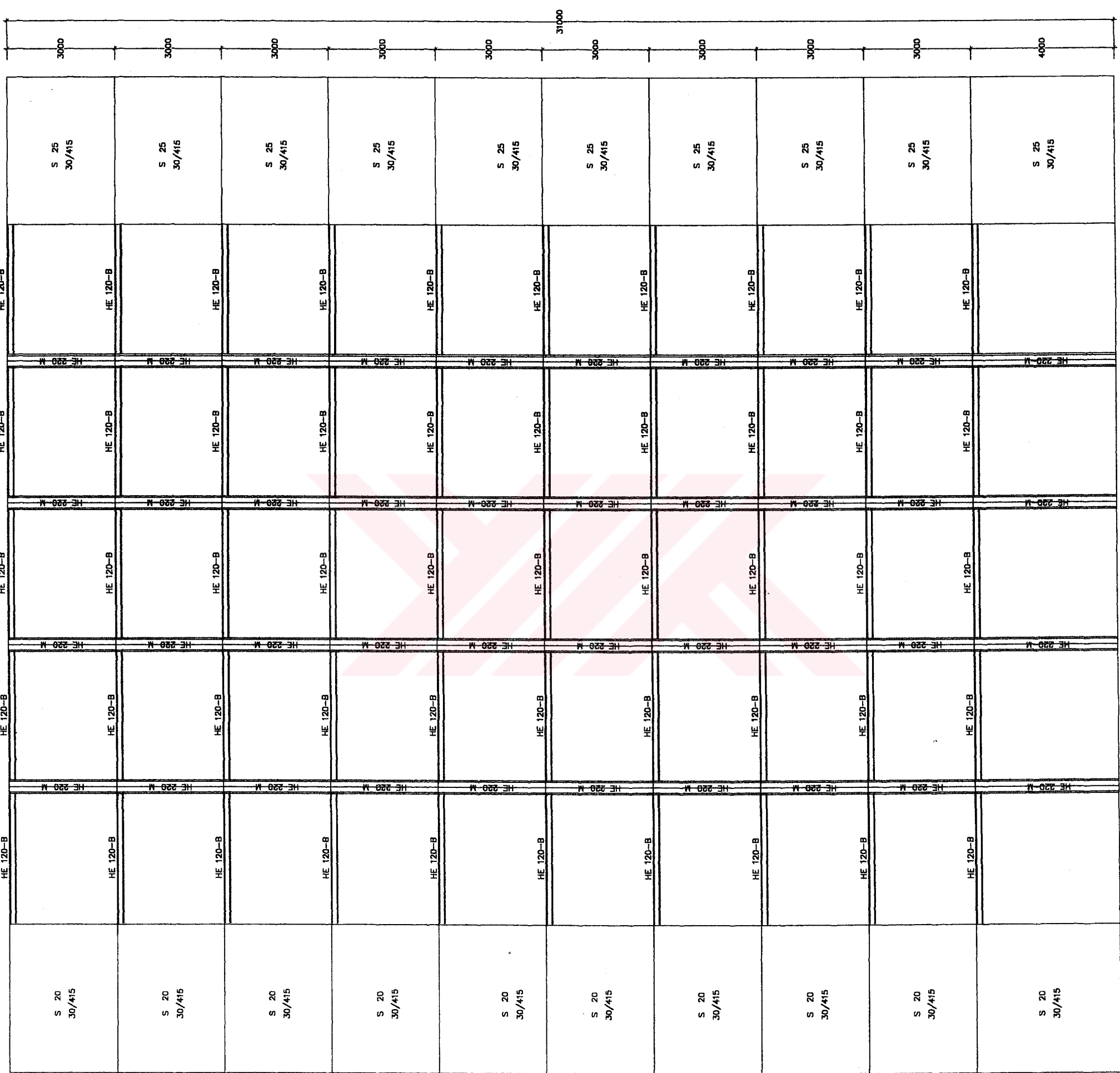
Kompozit Sistem Betonarme Döşeme Donatısı

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
ZEMİN 1-2-3-4-5-6-7-8-9. KAT BETONARME DÖŞEME PLANI (1/100)			
YAPI SAHİBİ	PAFTA	ADA	PARSEL
ONAY			
PROJE MÜELLİFİ	GDA VEZESİ	BELEDİYE ONAYI	



Kompozit Sistem Betonarme Döşeme Donatısı

PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
ZEMİN 1-2-3-4-5-6-7-8-9. KAT BETONARME DÖŞEME PLANI (1/100)			
YAPI SAHİBİ	PAFTA	ADA	PARSEL
ONAY			
PROJE MÜHÜRÜ	İDA VEZİRİ	BELEDİYE ONAYI	



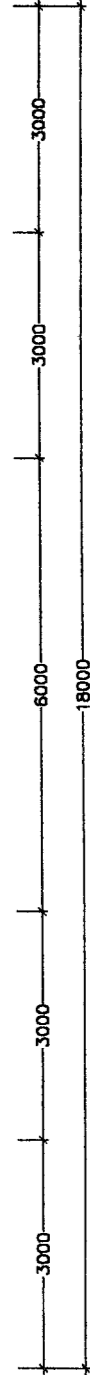
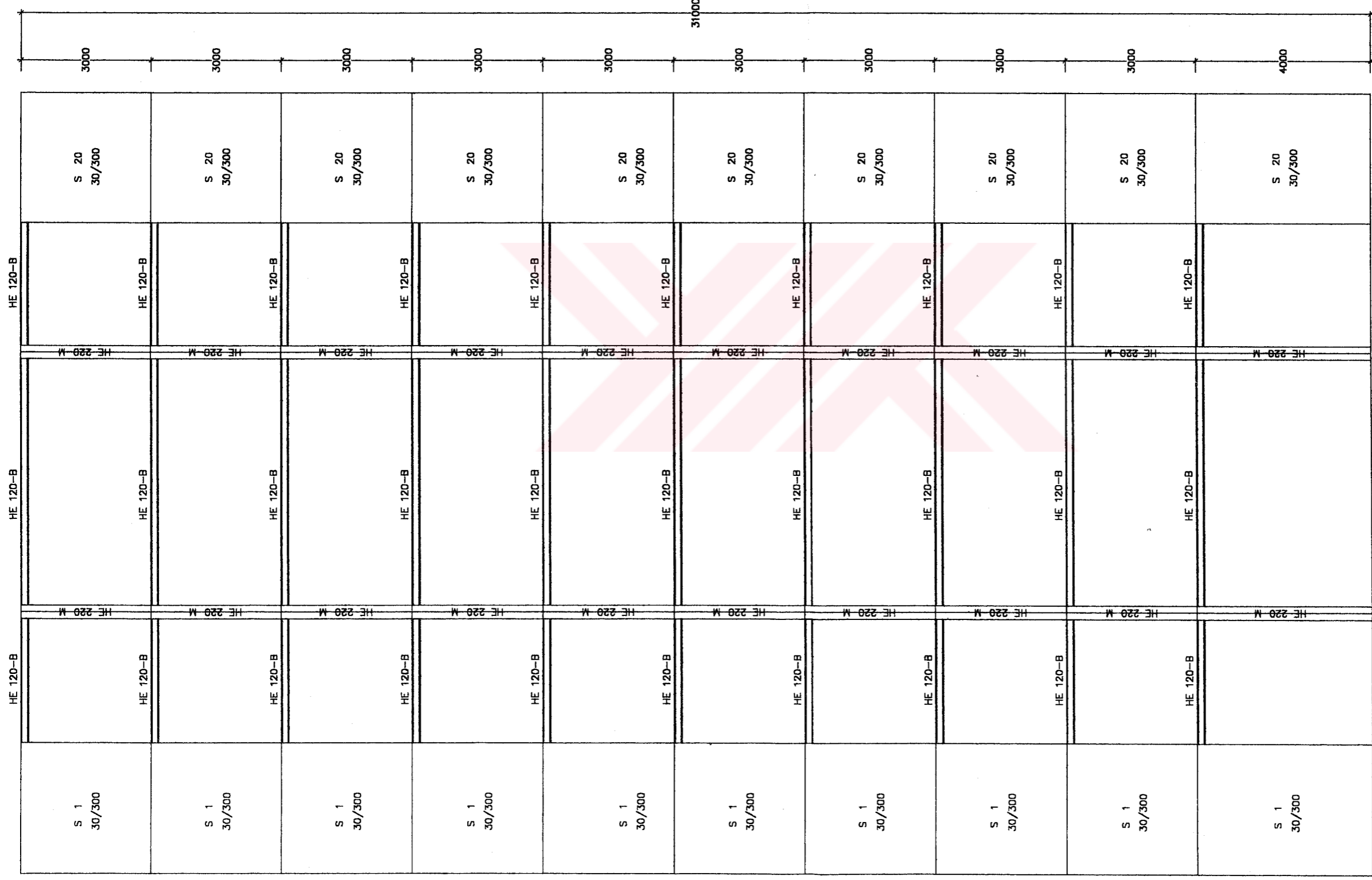
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31000

4150 3850 4000 4000 4000 3850 4150 28000

PROJE
10 KATLI İŞ MERKEZİ PROJESİ
D-D ANKS GÖRÜŞÜ (1/100)

ŞEHİR	İL	İLÇE	PAFTA	ADA	PARSEL
MÜHÜR			MÜHÜR		
MÜHÜR			MÜHÜR		



PROJE			
10 KATLI İŞ MERKEZİ PROJESİ			
1-1 AKS GÖRÜŞÜ (1/100)			
YAT. SAHNE	PAYFA	AMA	PANJEL
PROJE İZLEMLİ	ONAY	ONAY	BELEDİYE ONAY

ÖZGEÇMİŞ

Doğum Tarihi	11.09.1977	
Doğum Yeri	İstanbul	
Lise	1988-1995	Özel Üsküdar Fazilet Erkek Lisesi
Lisans	1995-1999	Sakarya Üniversitesi Mühendislik Fakültesi İnşaat Mühendisliği Bölümü
Yüksek Lisans	1999-Devam	Yıldız Teknik Üniversitesi Fen Bilimleri Enstitüsü İnşaat Müh. Anabilim Dalı, Yapı Programı
Çalıştığı Kurumlar	1995-1999	Hektaş Şirketler Grubu
	1999-2000	Geocon Zemin Araştırma
	2000-2001	Elm İnşaat A.Ş.
	2001-2002	Erdaş İnşaat A.Ş.